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DATA PACKAGE

SEMI-VOLATILE ORGANICS

PROJECT NAME : CON ED UTEN MOUNT VERNON, NY

CDM SMITH

110 Fieldcrest Ave

Raritan Center

Edison, NJ - 08837

Phone No: 732-225-7000

ORDER ID : Q2230

ATTENTION : Marcie Ann Encinas

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q2230

Project ID : Con Ed UTEN Mount Vernon, NY

Client : CDM Smith

Lab Sample Number	Client Sample Number
Q2230-01	FB-060425
Q2230-02	GW-MW01-060425
Q2230-03	GW-MW01-060425MS
Q2230-04	GW-MW01-060425MSD
Q2230-05	GW-MW901-060425
Q2230-06	TB060425

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: 6/17/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

CDM Smith
Project Name: Con Ed UTEN Mount Vernon, NY
Project # N/A
Order ID # Q2230
Test Name: SVOCMS Group3

A. Number of Samples and Date of Receipt:
6 Water samples were received on 06/04/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: SVOCMS Group3 and VOCMS Group3. This data package contains results for SVOCMS Group3.

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-GGAThe analysis of SVOCMS Group3 was based on method 8270E and extraction was done based on method 3510.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD met criteria .
The Blank Spike met requirements for all samples .
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 Project has been revised due to Benzo(b)fluoranthene compound added in SVOCMS Group3.

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Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

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

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

Signature_____

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DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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

ORDER ID: Q2230 MATRIX: Water

METHOD: 8270E/3510

		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 samples .			
9.	Internal Standard Area/Retention Time Shift Meet Criteria			✓
	Comments:			
10.	Extraction Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			
11.	Analysis Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			

ADDITIONAL COMMENTS:

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

NA NO YES

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.
The Project has been revised due to Benzo(b)fluoranthene compound added in SVOCMS Group3.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

_____ _____

QA REVIEW Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2230

	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:** 06/17/2025

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LAB CHRONICLE

OrderID:	Q2230	**OrderDate:**	6/4/2025 4:40:00 PM
Client:	CDM Smith	**Project:**	Con Ed UTEN Mount Vernon, NY
Contact:	Marcie Ann Encinas	**Location:**	N31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2230-01	**FB-060425**	**Water**			**06/04/25**			**06/04/25**
			SVOCMS Group3	8270E		06/06/25	06/09/25	
Q2230-02	**GW-MW01-060425**	**Water**			**06/04/25**			**06/04/25**
			SVOCMS Group3	8270E		06/06/25	06/09/25	
Q2230-05	**GW-MW901-060425**	**Water**			**06/04/25**			**06/04/25**
			SVOCMS Group3	8270E		06/06/25	06/09/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2230

Client: CDM Smith

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**GW-MW01-060425**							
Q2230-02	GW-MW01-060425	WATER	Naphthalene	2.200	J	0.55	5.5	ug/L
			Total Svoc :	**2.20**				
			Total Concentration:	**2.20**				

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q2230

Client: CDM Smith

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB168323BL	PB168323BL	Nitrobenzene-d5	100	85.2	85		67	132
		2-Fluorobiphenyl	100	84.3	84		52	132
		Terphenyl-d14	100	90.1	90		42	152
PB168323BS	PB168323BS	Nitrobenzene-d5	100	79.4	79		67	132
		2-Fluorobiphenyl	100	77.9	78		52	132
		Terphenyl-d14	100	79.2	79		42	152
Q2230-01	FB-060425	Nitrobenzene-d5	100	91.2	91		67	132
		2-Fluorobiphenyl	100	85.1	85		52	132
		Terphenyl-d14	100	86.2	86		42	152
Q2230-02	GW-MW01-060425	Nitrobenzene-d5	100	93.0	93		67	132
		2-Fluorobiphenyl	100	85.9	86		52	132
		Terphenyl-d14	100	78.5	79		42	152
Q2230-03MS	GW-MW01-060425MS	Nitrobenzene-d5	100	90.5	91		67	132
		2-Fluorobiphenyl	100	85.6	86		52	132
		Terphenyl-d14	100	80.4	80		42	152
Q2230-04MSD	GW-MW01-060425MSD	Nitrobenzene-d5	100	88.0	88		67	132
		2-Fluorobiphenyl	100	85.9	86		52	132
		Terphenyl-d14	100	89.3	89		42	152
Q2230-05	GW-MW901-060425	Nitrobenzene-d5	100	85.9	86		67	132
		2-Fluorobiphenyl	100	81.4	81		52	132
		Terphenyl-d14	100	82.1	82		42	152

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2230 **Analytical Method:** SW8270E

Client: CDM Smith **DataFile:** BP024879.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2230-03MS		**Client Sample ID: GW-MW01-060425MS**									
Naphthalene	52.1	2.20	42.7	ug/L	78				17	157	
Acenaphthylene	52.1	0	50.7	ug/L	97				40	141	
Acenaphthene	52.1	0	52.1	ug/L	100				37	146	
Fluorene	52.1	0	53.8	ug/L	103				39	144	
Phenanthrene	52.1	0	53.7	ug/L	103				40	147	
Anthracene	52.1	0	53.8	ug/L	103				41	146	
Fluoranthene	52.1	0	57.7	ug/L	111				42	146	
Pyrene	52.1	0	51.4	ug/L	99				41	149	
Benzo(a)anthracene	52.1	0	54.6	ug/L	105				41	147	
Chrysene	52.1	0	53.4	ug/L	102				44	144	
Benzo(b)fluoranthene	52.1	0	56.2	ug/L	108				40	150	
Benzo(k)fluoranthene	52.1	0	53.1	ug/L	102				40	147	
Benzo(a)pyrene	52.1	0	54.1	ug/L	104				42	147	
Indeno(1,2,3-cd)pyrene	52.1	0	56.3	ug/L	108				30	166	
Dibenz(a,h)anthracene	52.1	0	57.5	ug/L	110				23	172	
Benzo(g,h,i)perylene	52.1	0	56.4	ug/L	108				27	167	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2230 **Analytical Method:** SW8270E

Client: CDM Smith **DataFile:** BP024880.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2230-04MSD		**Client Sample ID: GW-MW01-060425MSD**									
Naphthalene	53.2	2.20	42.1	ug/L	75		4		17	157	20
Acenaphthylene	53.2	0	51.1	ug/L	96		1		40	141	20
Acenaphthene	53.2	0	52.7	ug/L	99		1		37	146	20
Fluorene	53.2	0	53.9	ug/L	101		2		39	144	20
Phenanthrene	53.2	0	53.6	ug/L	101		2		40	147	20
Anthracene	53.2	0	53.0	ug/L	100		3		41	146	20
Fluoranthene	53.2	0	54.9	ug/L	103		7		42	146	20
Pyrene	53.2	0	56.8	ug/L	107		8		41	149	20
Benzo(a)anthracene	53.2	0	55.1	ug/L	104		1		41	147	20
Chrysene	53.2	0	54.7	ug/L	103		1		44	144	20
Benzo(b)fluoranthene	53.2	0	56.0	ug/L	105		3		40	150	20
Benzo(k)fluoranthene	53.2	0	55.1	ug/L	104		2		40	147	20
Benzo(a)pyrene	53.2	0	54.8	ug/L	103		1		42	147	20
Indeno(1,2,3-cd)pyrene	53.2	0	55.3	ug/L	104		4		30	166	20
Dibenz(a,h)anthracene	53.2	0	55.8	ug/L	105		5		23	172	20
Benzo(g,h,i)perylene	53.2	0	54.4	ug/L	102		6		27	167	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2230 **Analytical Method:** 8270E

Client: CDM Smith **DataFile:** BP024873.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168323BS	Naphthalene	50	45.3	ug/L	91				64	107	
	Acenaphthylene	50	45.5	ug/L	91				79	103	
	Acenaphthene	50	45.2	ug/L	90				59	113	
	Fluorene	50	44.7	ug/L	89				64	107	
	Phenanthrene	50	45.8	ug/L	92				62	109	
	Anthracene	50	46.0	ug/L	92				65	110	
	Fluoranthene	50	45.9	ug/L	92				64	110	
	Pyrene	50	46.2	ug/L	92				71	103	
	Benzo(a)anthracene	50	46.6	ug/L	93				62	107	
	Chrysene	50	46.4	ug/L	93				61	108	
	Benzo(b)fluoranthene	50	47.3	ug/L	95				77	113	
	Benzo(k)fluoranthene	50	47.5	ug/L	95				77	105	
	Benzo(a)pyrene	50	47.7	ug/L	95				72	131	
	Indeno(1,2,3-cd)pyrene	50	47.4	ug/L	95				72	105	
	Dibenz(a,h)anthracene	50	47.6	ug/L	95				78	115	
	Benzo(g,h,i)perylene	50	47.6	ug/L	95				75	118	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168323BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2230 SAS No.: Q2230 SDG NO.: Q2230

Lab File ID: BP024872.D Lab Sample ID: PB168323BL

Instrument ID: BNA_P Date Extracted: 06/06/2025

Matrix: (soil/water) Water Date Analyzed: 06/09/2025

Level: (low/med) LOW Time Analyzed: 11:24

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168323BS	PB168323BS	BP024873.D	06/09/2025
FB-060425	Q2230-01	BP024876.D	06/09/2025
GW-MW01-060425	Q2230-02	BP024877.D	06/09/2025
GW-MW01-060425MS	Q2230-03MS	BP024879.D	06/09/2025
GW-MW01-060425MSD	Q2230-04MSD	BP024880.D	06/09/2025
GW-MW901-060425	Q2230-05	BP024881.D	06/09/2025

COMMENTS:

Form IV SV

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q2230 SDG NO.: Q2230

Lab File ID: BP024859.D DFTPP Injection Date: 06/06/2025

Instrument ID: BNA_P DFTPP Injection Time: 09:49

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.2
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	36.9
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	47.9
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	31.2
365	Greater than 1% of mass 198	4.6
441	Present, but less than mass 443	13.1
442	Greater than 50% of mass 198	84
443	15.0 - 24.0% of mass 442	16.1 (19.2) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BP024860.D	06/06/2025	10:30
SSTDICC005	SSTDICC005	BP024861.D	06/06/2025	11:11
SSTDICC010	SSTDICC010	BP024862.D	06/06/2025	11:52
SSTDICC020	SSTDICC020	BP024863.D	06/06/2025	12:33
SSTDICCC040	SSTDICCC040	BP024864.D	06/06/2025	13:14
SSTDICC050	SSTDICC050	BP024865.D	06/06/2025	13:56
SSTDICC060	SSTDICC060	BP024866.D	06/06/2025	14:37
SSTDICC080	SSTDICC080	BP024867.D	06/06/2025	15:18

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q2230 SDG NO.: Q2230

Lab File ID: BP024870.D DFTPP Injection Date: 06/09/2025

Instrument ID: BNA_P DFTPP Injection Time: 10:03

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.2
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	37.7
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	48.1
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
275	10.0 - 60.0% of mass 198	30.7
365	Greater than 1% of mass 198	4.3
441	Present, but less than mass 443	11.6
442	Greater than 50% of mass 198	75.5
443	15.0 - 24.0% of mass 442	14.5 (19.2) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP024871.D	06/09/2025	10:44
PB168323BL	PB168323BL	BP024872.D	06/09/2025	11:24
PB168323BS	PB168323BS	BP024873.D	06/09/2025	12:05
FB-060425	Q2230-01	BP024876.D	06/09/2025	14:12
GW-MW01-060425	Q2230-02	BP024877.D	06/09/2025	14:52
GW-MW01-060425MS	Q2230-03MS	BP024879.D	06/09/2025	16:14
GW-MW01-060425MSD	Q2230-04MSD	BP024880.D	06/09/2025	16:55
GW-MW901-060425	Q2230-05	BP024881.D	06/09/2025	17:35

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2230 SAS No.: Q2230 SDG NO.: Q2230

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/09/2025

Lab File ID: BP024871.D Time Analyzed: 10:44

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	255229	7.608	1115940	10.38	722087	14.24
	UPPER LIMIT	510458	8.108	2231880	10.878	1444170	14.742
	LOWER LIMIT	127615	7.108	557970	9.878	361044	13.742
	EPA SAMPLE NO.						
01	PB168323BL	278652	7.61	1083870	10.38	655689	14.25
02	PB168323BS	251786	7.61	1016040	10.38	628283	14.25
03	FB-060425	249050	7.61	993192	10.38	627635	14.25
04	GW-MW01-060425	193111	7.61	768427	10.37	479578	14.24
05	GW-MW01-060425MS	226271	7.61	937705	10.37	608220	14.25
06	GW-MW01-060425MSD	335961	7.61	1346860	10.38	841053	14.25
07	GW-MW901-060425	269752	7.61	1068630	10.37	664052	14.25

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: CHEMTECH

Lab Code: CHEM Case No.: Q2230 SAS No.: Q2230 SDG NO.: Q2230

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/09/2025

Lab File ID: BP024871.D Time Analyzed: 10:44

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	1406330	17.048	1456980	21.477	1778910	24.724
	UPPER LIMIT	2812660	17.548	2913960	21.977	3557820	25.224
	LOWER LIMIT	703165	16.548	728490	20.977	889455	24.224
	EPA SAMPLE NO.						
01	PB168323BL	1268480	17.07	1277130	21.49	1472670	24.73
02	PB168323BS	1189380	17.06	1268870	21.48	1547950	24.72
03	FB-060425	1279520	17.06	1631190	21.48	2005170	24.73
04	GW-MW01-060425	943300	17.04	1244700	21.47	1717480	24.71
05	GW-MW01-060425MS	1235200	17.04	1490400	21.47	1839740	24.71
06	GW-MW01-060425MSD	1657670	17.04	1681540	21.48	1927040	24.73
07	GW-MW901-060425	1331030	17.05	1566440	21.48	1838040	24.72

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

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

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

SAMPLE DATA

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/04/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	06/04/25
Client Sample ID:	FB-060425	SDG No.:	Q2230
Lab Sample ID:	Q2230-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	880 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024876.D	1	06/06/25 08:35	06/09/25 14:12	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
91-20-3	Naphthalene	5.70	U	0.57	5.70	ug/L
208-96-8	Acenaphthylene	5.70	U	0.85	5.70	ug/L
83-32-9	Acenaphthene	5.70	U	0.63	5.70	ug/L
86-73-7	Fluorene	5.70	U	0.72	5.70	ug/L
85-01-8	Phenanthrene	5.70	U	0.57	5.70	ug/L
120-12-7	Anthracene	5.70	U	0.69	5.70	ug/L
206-44-0	Fluoranthene	5.70	U	0.93	5.70	ug/L
129-00-0	Pyrene	5.70	U	0.57	5.70	ug/L
56-55-3	Benzo(a)anthracene	5.70	U	0.51	5.70	ug/L
218-01-9	Chrysene	5.70	U	0.50	5.70	ug/L
205-99-2	Benzo(b)fluoranthene	5.70	U	0.56	5.70	ug/L
207-08-9	Benzo(k)fluoranthene	5.70	U	0.55	5.70	ug/L
50-32-8	Benzo(a)pyrene	5.70	U	0.63	5.70	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	5.70	U	0.67	5.70	ug/L
53-70-3	Dibenzo(a,h)anthracene	5.70	U	0.76	5.70	ug/L
191-24-2	Benzo(g,h,i)perylene	5.70	U	0.78	5.70	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	91.2		67 - 132	91%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.1		52 - 132	85%	SPK: 100
1718-51-0	Terphenyl-d14	86.2		42 - 152	86%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	249000	7.608			
1146-65-2	Naphthalene-d8	993000	10.378			
15067-26-2	Acenaphthene-d10	628000	14.248			
1517-22-2	Phenanthrene-d10	1280000	17.06			
1719-03-5	Chrysene-d12	1630000	21.477			
1520-96-3	Perylene-d12	2010000	24.73			

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	06/04/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	06/04/25
Client Sample ID:	FB-060425	SDG No.:	Q2230
Lab Sample ID:	Q2230-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	880 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024876.D	1	06/06/25 08:35	06/09/25 14:12	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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\BP060925\
Data File : BP024876.D
Acq On : 09 Jun 2025 14:12
Operator : RC/JU
Sample : Q2230-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
FB-060425

Quant Time: Jun 09 14:31:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

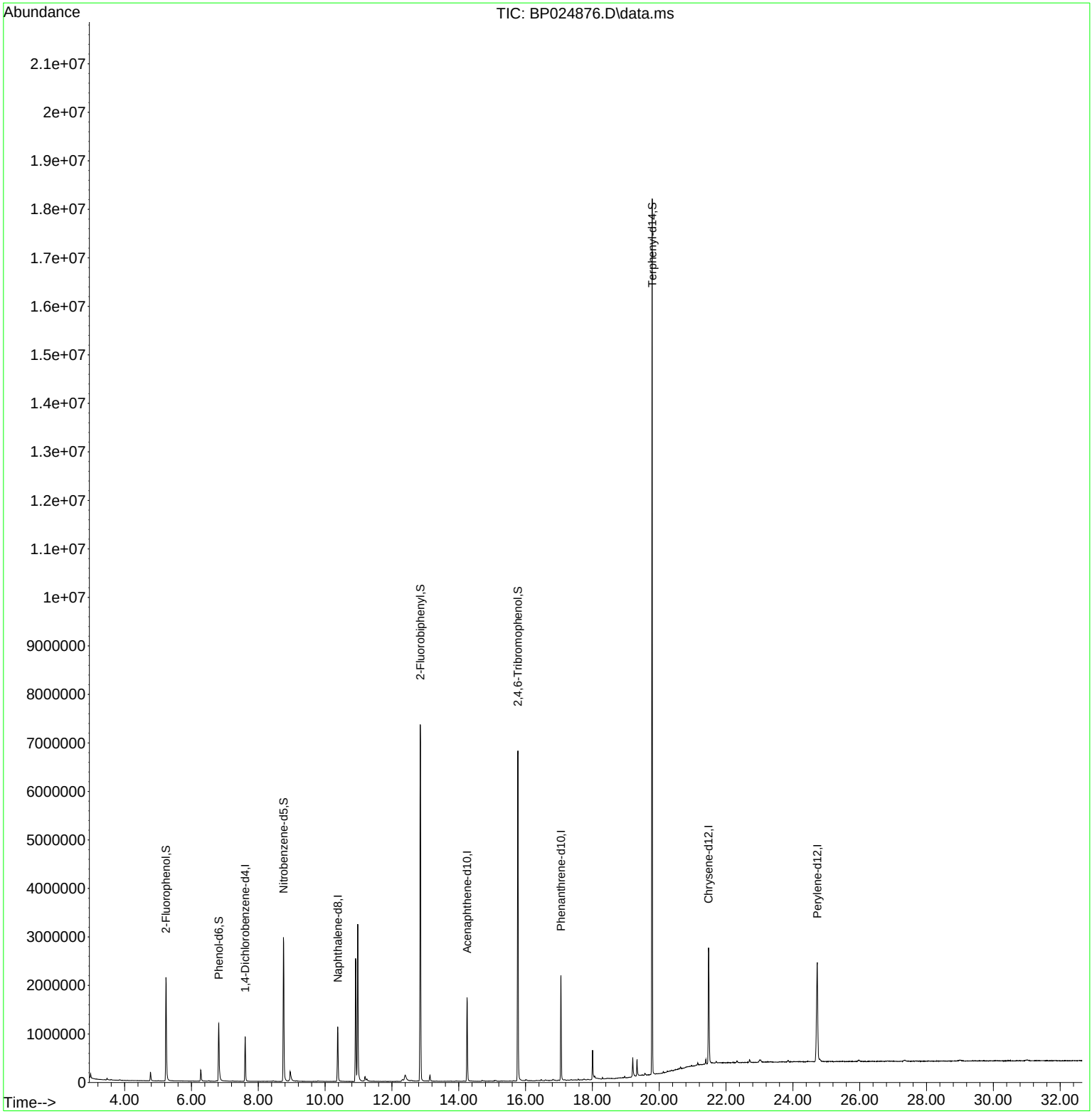
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	249050	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	993192	20.000	ng	0.00
39) Acenaphthene-d10	14.248	164	627635	20.000	ng	0.00
64) Phenanthrene-d10	17.060	188	1279517	20.000	ng	0.00
76) Chrysene-d12	21.477	240	1631185	20.000	ng	0.00
86) Perylene-d12	24.730	264	2005166	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.237	112	1057554	70.880	ng	0.00
7) Phenol-d6	6.813	99	834666	42.281	ng	0.00
23) Nitrobenzene-d5	8.755	82	1864297	91.213	ng	0.00
42) 2,4,6-Tribromophenol	15.772	330	1399332	161.262	ng	-0.01
45) 2-Fluorobiphenyl	12.848	172	3963034	85.060	ng	-0.01
79) Terphenyl-d14	19.789	244	7843217	86.177	ng	0.00
Target Compounds						Qvalue

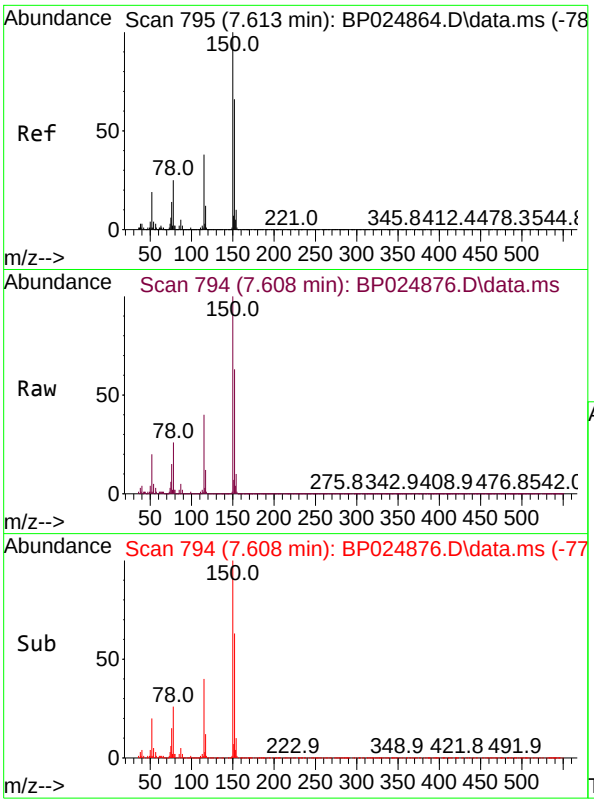
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024876.D
Acq On : 09 Jun 2025 14:12
Operator : RC/JU
Sample : Q2230-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
FB-060425

Quant Time: Jun 09 14:31:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration



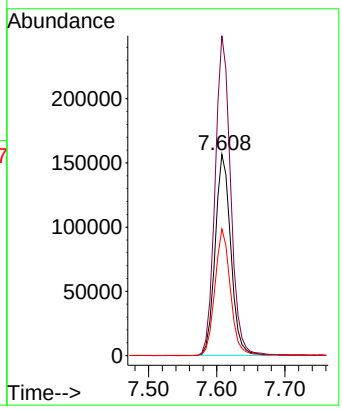


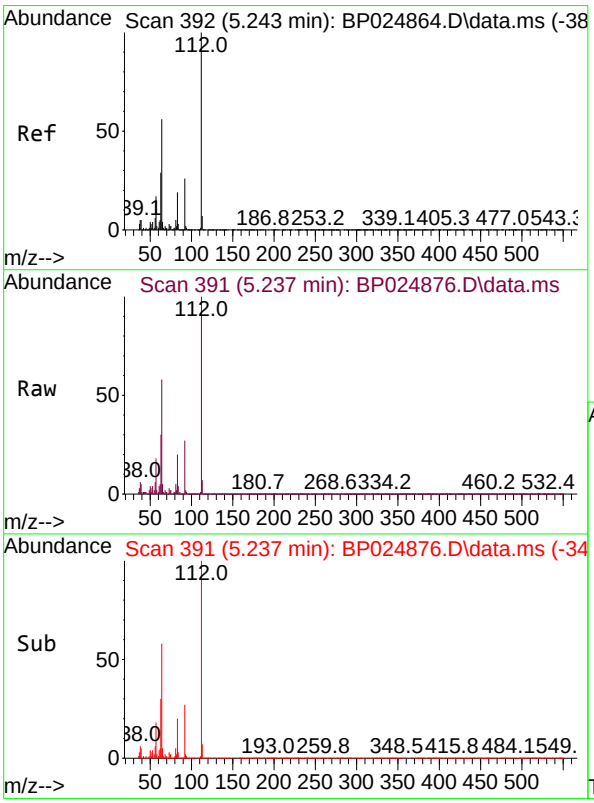
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 7
Delta R.T. -0.005 min
Lab File: BP024876.D
Acq: 09 Jun 2025 14:12

Instrument :
BNA_P
ClientSampleId :
FB-060425

Tgt Ion:152 Resp: 249050

Ion	Ratio	Lower	Upper
152	100		
150	159.1	122.1	183.1
115	63.0	46.4	69.6

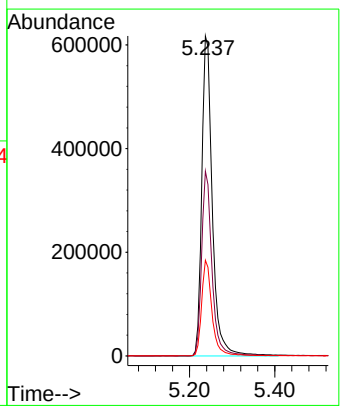


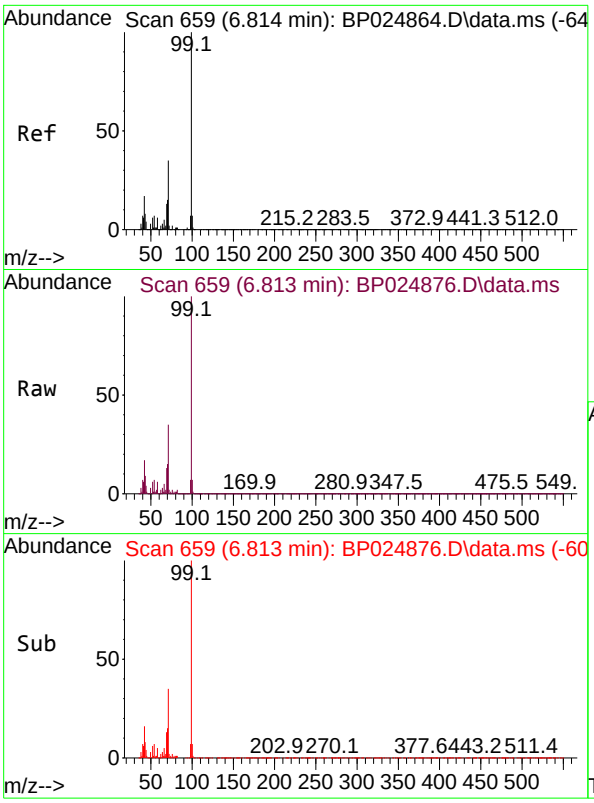


#5
2-Fluorophenol
Concen: 70.880 ng
RT: 5.237 min Scan# 391
Delta R.T. -0.006 min
Lab File: BP024876.D
Acq: 09 Jun 2025 14:12

Tgt Ion:112 Resp: 1057554

Ion	Ratio	Lower	Upper
112	100		
64	57.7	44.7	67.1
63	29.9	23.5	35.3



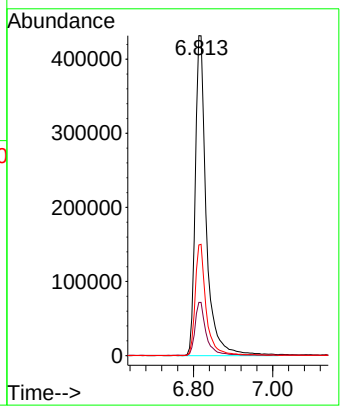


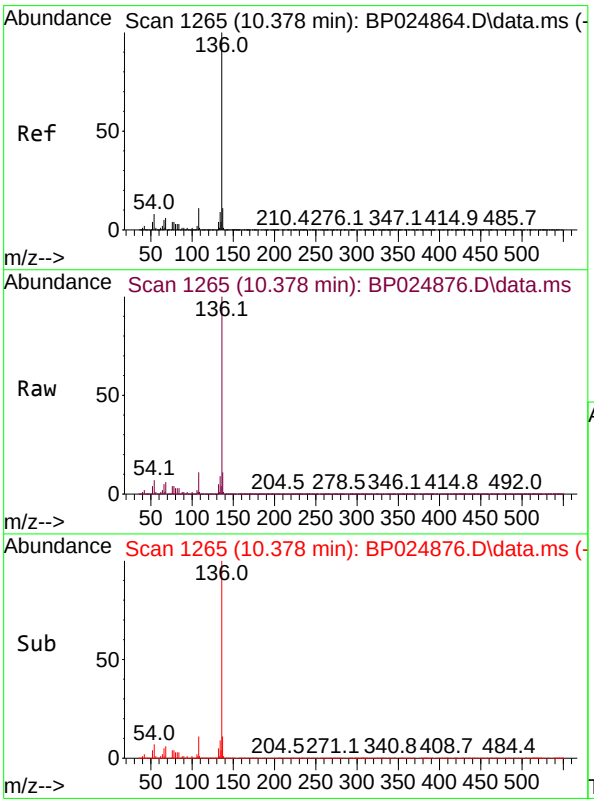
#7
Phenol-d6
Concen: 42.281 ng
RT: 6.813 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024876.D
Acq: 09 Jun 2025 14:12

Instrument :
BNA_P
ClientSampleId :
FB-060425

Tgt Ion: 99 Resp: 834666

Ion	Ratio	Lower	Upper
99	100		
42	16.6	13.4	20.2
71	34.6	27.6	41.4

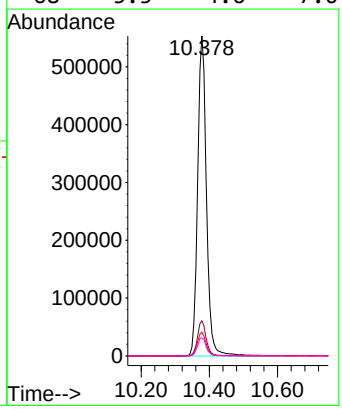


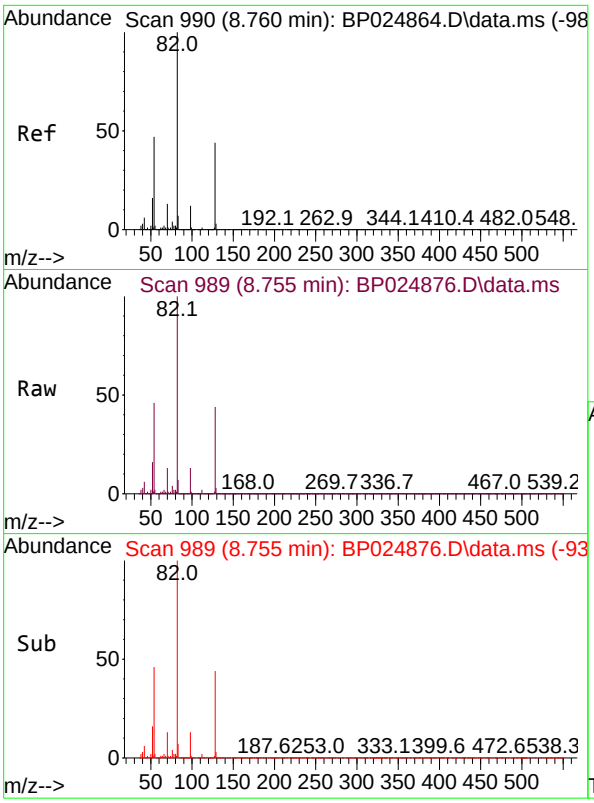


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BP024876.D
Acq: 09 Jun 2025 14:12

Tgt Ion:136 Resp: 993192

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.4	6.1	9.1
68	5.5	4.6	7.0



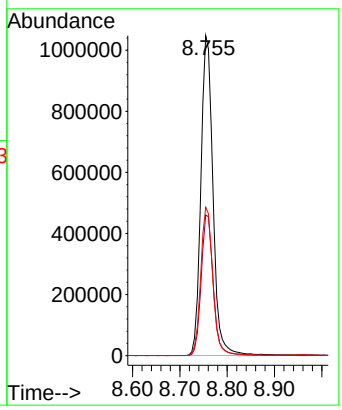


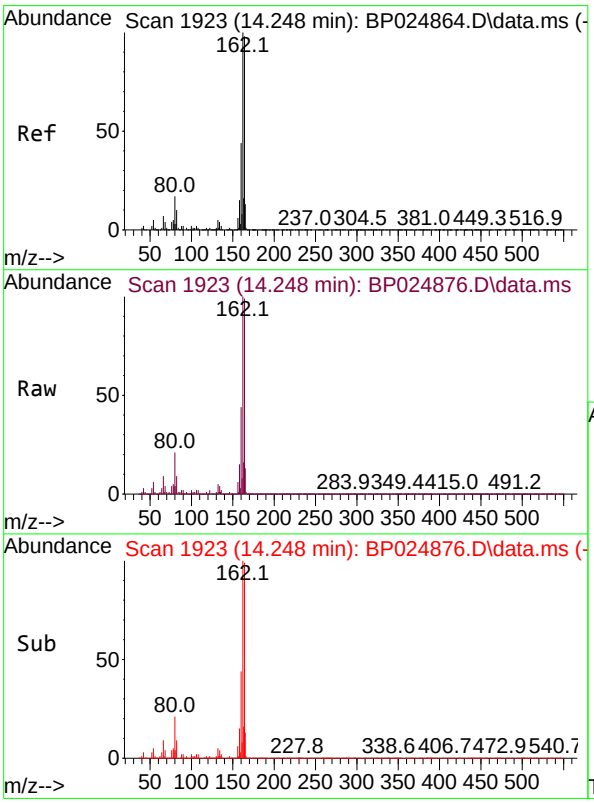
#23
Nitrobenzene-d5
Concen: 91.213 ng
RT: 8.755 min Scan# 98
Delta R.T. -0.006 min
Lab File: BP024876.D
Acq: 09 Jun 2025 14:12

Instrument :
BNA_P
ClientSampleId :
FB-060425

Tgt Ion: 82 Resp: 1864297

Ion	Ratio	Lower	Upper
82	100		
128	43.9	35.3	52.9
54	46.4	37.4	56.0

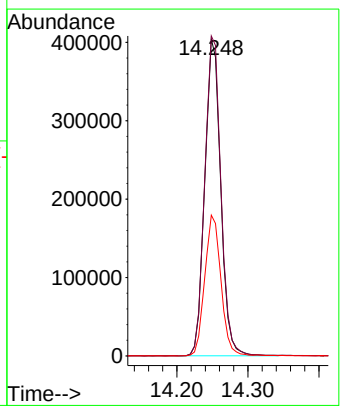


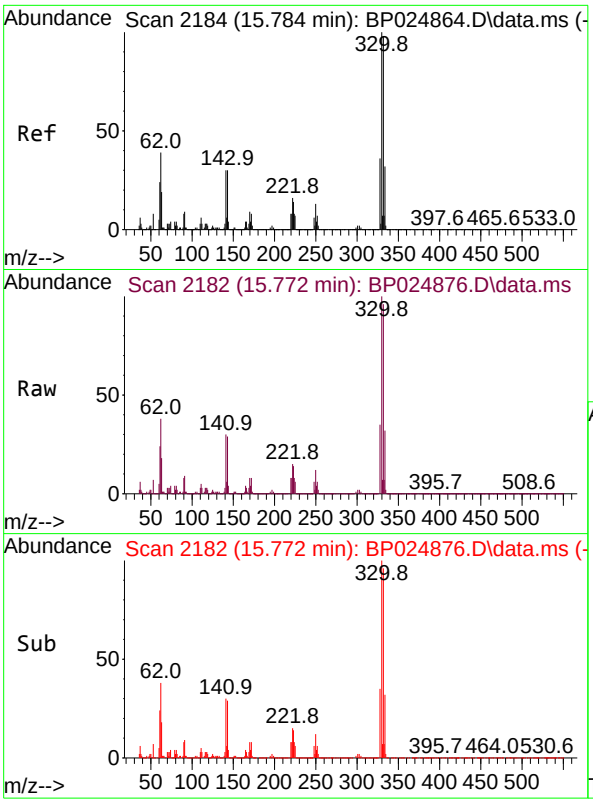


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.248 min Scan# 1923
Delta R.T. -0.000 min
Lab File: BP024876.D
Acq: 09 Jun 2025 14:12

Tgt Ion:164 Resp: 627635

Ion	Ratio	Lower	Upper
164	100		
162	101.0	81.6	122.4
160	44.4	36.2	54.2



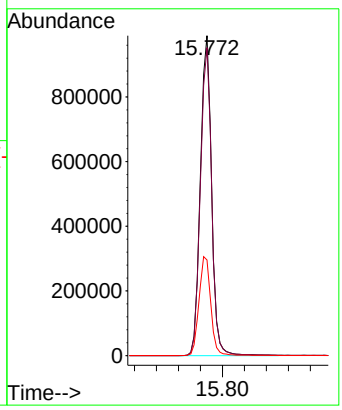


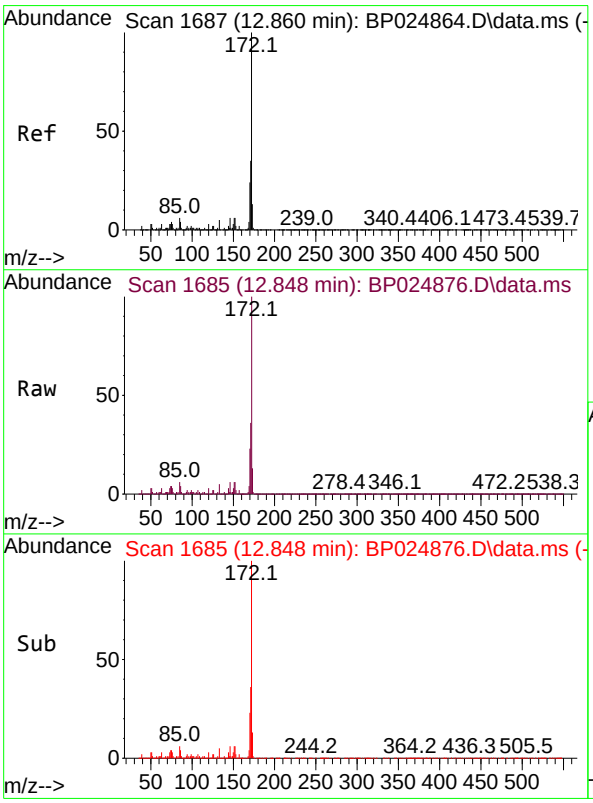
#42
2,4,6-Tribromophenol
Concen: 161.262 ng
RT: 15.772 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP024876.D
Acq: 09 Jun 2025 14:12

Instrument :
BNA_P
ClientSampleId :
FB-060425

Tgt Ion:330 Resp: 1399332

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.7	116.5
141	32.4	26.4	39.6

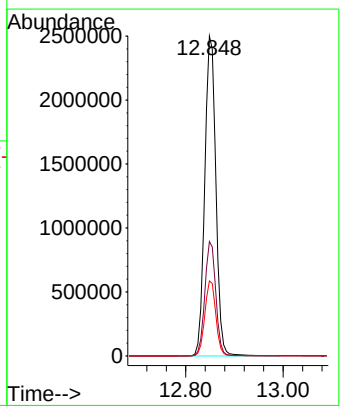


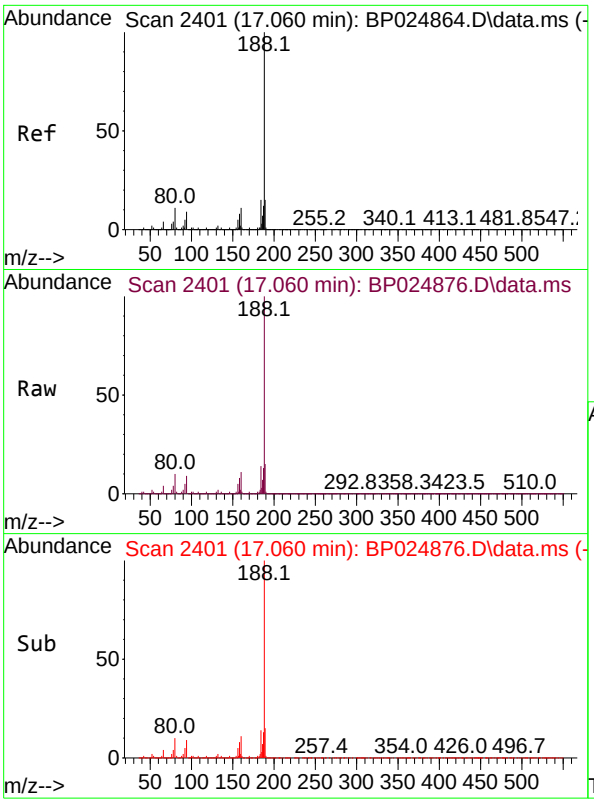


#45
2-Fluorobiphenyl
Concen: 85.060 ng
RT: 12.848 min Scan# 1685
Delta R.T. -0.012 min
Lab File: BP024876.D
Acq: 09 Jun 2025 14:12

Tgt Ion:172 Resp: 3963034

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.3	42.5
170	23.4	19.0	28.4



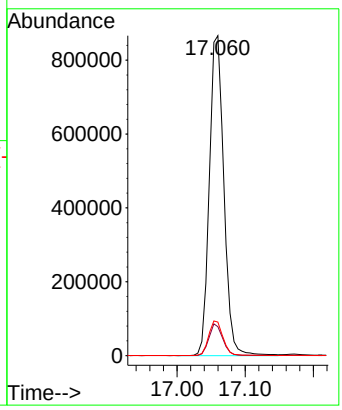


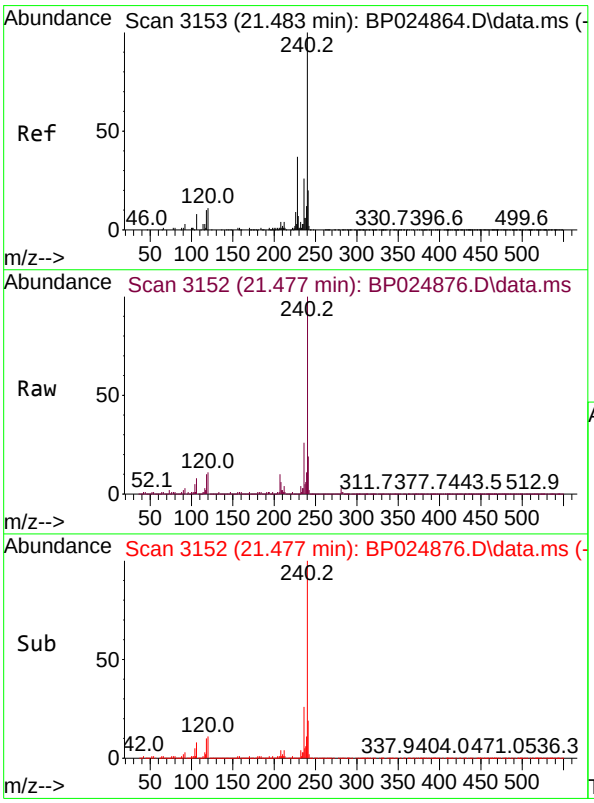
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.060 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP024876.D
Acq: 09 Jun 2025 14:12

Instrument :
BNA_P
ClientSampleId :
FB-060425

Tgt Ion:188 Resp: 1279517

Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.3	10.9
80	10.5	8.5	12.7

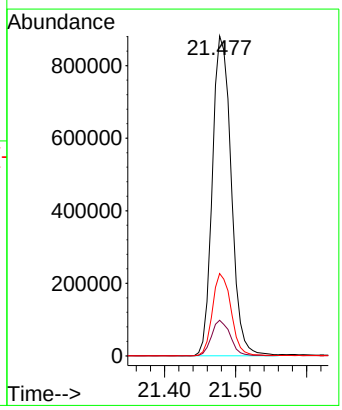


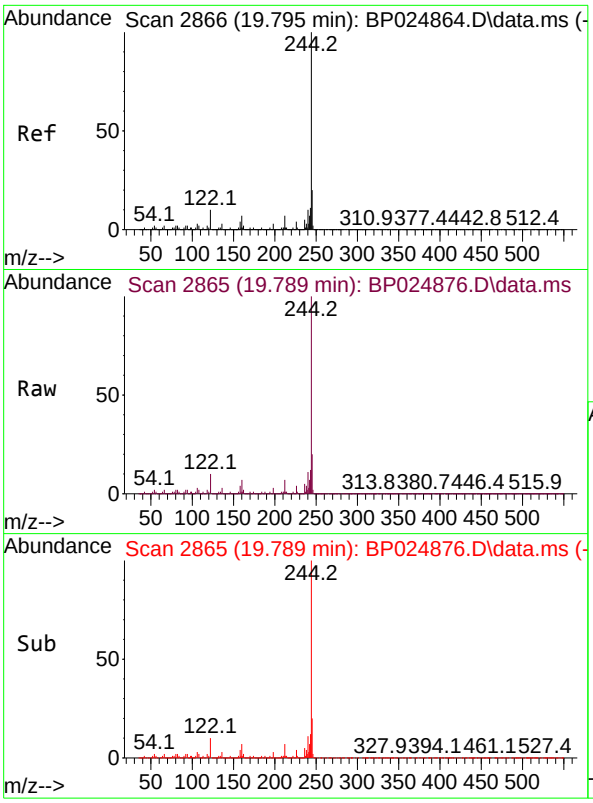


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.477 min Scan# 3152
Delta R.T. -0.006 min
Lab File: BP024876.D
Acq: 09 Jun 2025 14:12

Tgt Ion:240 Resp: 1631185

Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.9	13.3
236	25.7	20.9	31.3



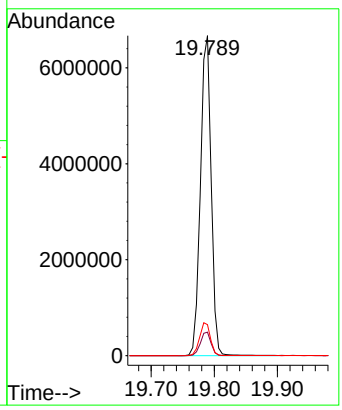


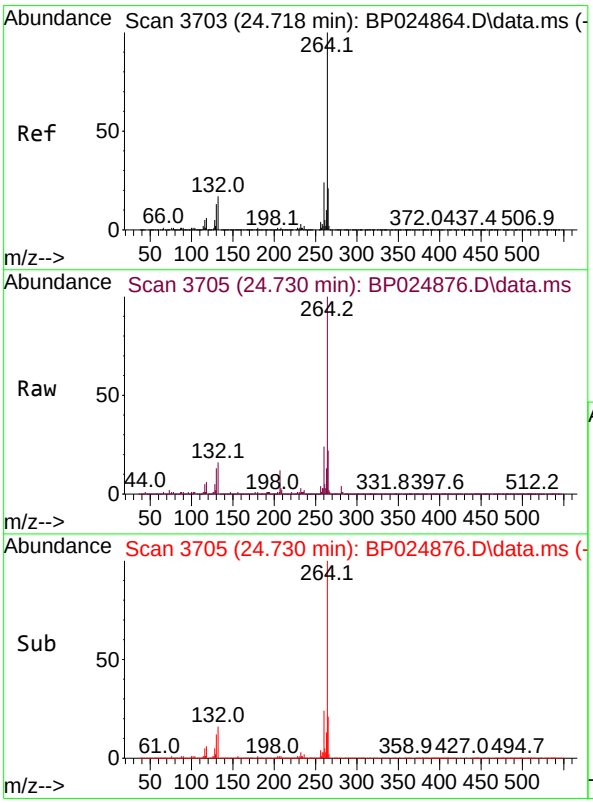
#79
Terphenyl-d14
Concen: 86.177 ng
RT: 19.789 min Scan# 28
Delta R.T. -0.006 min
Lab File: BP024876.D
Acq: 09 Jun 2025 14:12

Instrument :
BNA_P
ClientSampleId :
FB-060425

Tgt Ion:244 Resp: 7843217

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.6	8.4
122	9.7	7.7	11.5

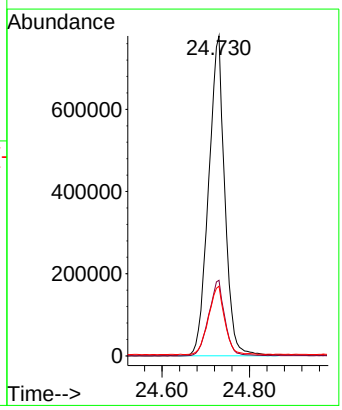




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.730 min Scan# 3705
Delta R.T. 0.012 min
Lab File: BP024876.D
Acq: 09 Jun 2025 14:12

Tgt Ion:264 Resp: 2005166

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.4
265	21.8	17.4	26.0



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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/04/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	06/04/25
Client Sample ID:	GW-MW01-060425	SDG No.:	Q2230
Lab Sample ID:	Q2230-02	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	910 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024877.D	1	06/06/25 08:35	06/09/25 14:52	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
91-20-3	Naphthalene	2.20	J	0.55	5.50	ug/L
208-96-8	Acenaphthylene	5.50	U	0.82	5.50	ug/L
83-32-9	Acenaphthene	5.50	U	0.60	5.50	ug/L
86-73-7	Fluorene	5.50	U	0.69	5.50	ug/L
85-01-8	Phenanthrene	5.50	U	0.55	5.50	ug/L
120-12-7	Anthracene	5.50	U	0.67	5.50	ug/L
206-44-0	Fluoranthene	5.50	U	0.90	5.50	ug/L
129-00-0	Pyrene	5.50	U	0.55	5.50	ug/L
56-55-3	Benzo(a)anthracene	5.50	U	0.49	5.50	ug/L
218-01-9	Chrysene	5.50	U	0.48	5.50	ug/L
205-99-2	Benzo(b)fluoranthene	5.50	U	0.54	5.50	ug/L
207-08-9	Benzo(k)fluoranthene	5.50	U	0.53	5.50	ug/L
50-32-8	Benzo(a)pyrene	5.50	U	0.60	5.50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	5.50	U	0.65	5.50	ug/L
53-70-3	Dibenzo(a,h)anthracene	5.50	U	0.74	5.50	ug/L
191-24-2	Benzo(g,h,i)perylene	5.50	U	0.76	5.50	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	93.0		67 - 132	93%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.9		52 - 132	86%	SPK: 100
1718-51-0	Terphenyl-d14	78.5		42 - 152	79%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	193000	7.608			
1146-65-2	Naphthalene-d8	768000	10.372			
15067-26-2	Acenaphthene-d10	480000	14.243			
1517-22-2	Phenanthrene-d10	943000	17.042			
1719-03-5	Chrysene-d12	1240000	21.472			
1520-96-3	Perylene-d12	1720000	24.713			

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/04/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	06/04/25
Client Sample ID:	GW-MW01-060425	SDG No.:	Q2230
Lab Sample ID:	Q2230-02	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	910 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024877.D	1	06/06/25 08:35	06/09/25 14:52	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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\BP060925\
Data File : BP024877.D
Acq On : 09 Jun 2025 14:52
Operator : RC/JU
Sample : Q2230-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

Quant Time: Jun 09 15:55:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.608	152	193111	20.000	ng		0.00
21) Naphthalene-d8	10.372	136	768427	20.000	ng		0.00
39) Acenaphthene-d10	14.243	164	479578	20.000	ng		0.00
64) Phenanthrene-d10	17.042	188	943300	20.000	ng		-0.02
76) Chrysene-d12	21.472	240	1244702	20.000	ng		-0.01
86) Perylene-d12	24.713	264	1717483	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.237	112	953456	82.414	ng		0.00
7) Phenol-d6	6.814	99	781439	51.051	ng		0.00
23) Nitrobenzene-d5	8.755	82	1471313	93.041	ng		0.00
42) 2,4,6-Tribromophenol	15.766	330	1067678	161.027	ng		-0.02
45) 2-Fluorobiphenyl	12.854	172	3058686	85.918	ng		0.00
79) Terphenyl-d14	19.772	244	5454769	78.543	ng		-0.02
Target Compounds							Qvalue
20) 3+4-Methylphenols	8.408	107	60786	4.043	ng		85
31) Naphthalene	10.425	128	79849	2.028	ng	#	90
32) Benzoic acid	9.713	122	37128	4.631	ng		97
38) 1-Methylnaphthalene	12.266	142	55989m	2.097	ng		

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

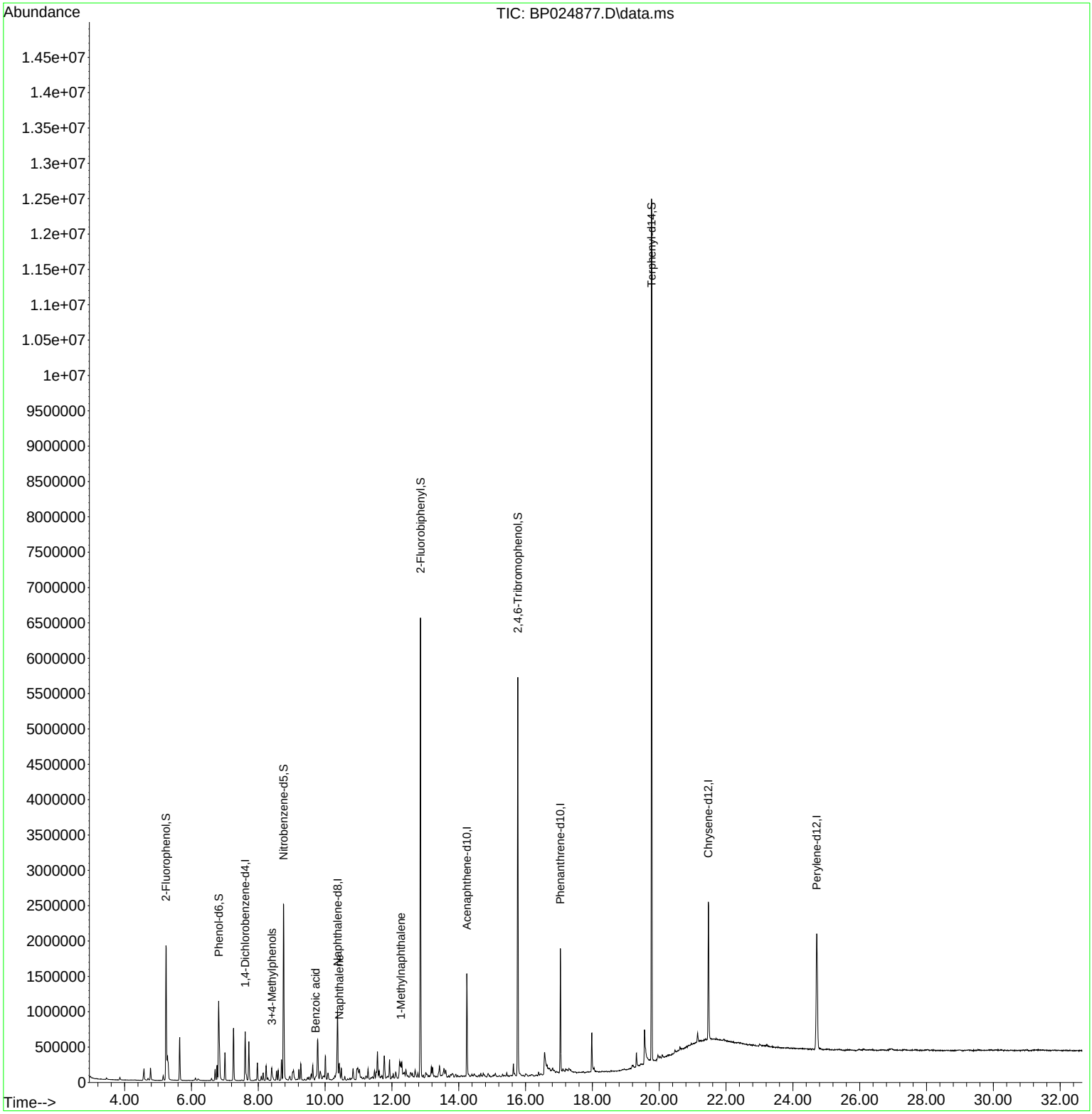
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024877.D
Acq On : 09 Jun 2025 14:52
Operator : RC/JU
Sample : Q2230-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

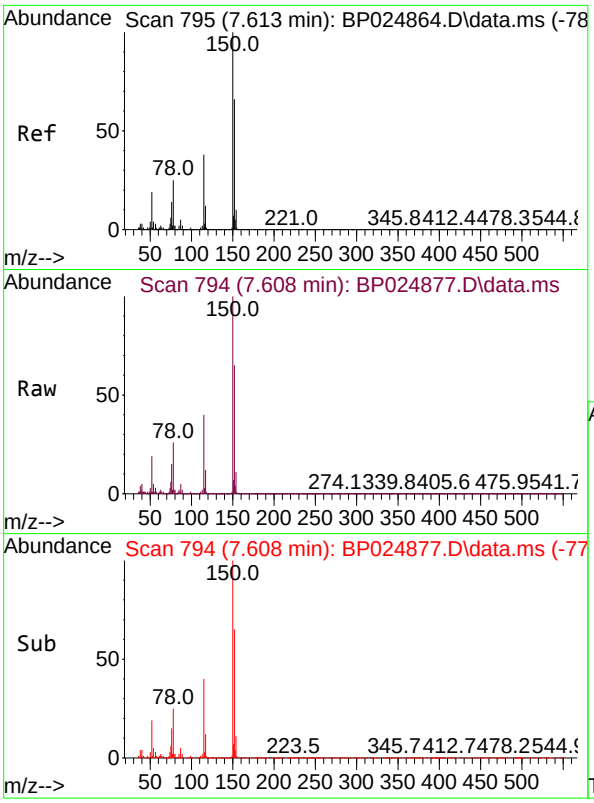
Quant Time: Jun 09 15:55:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

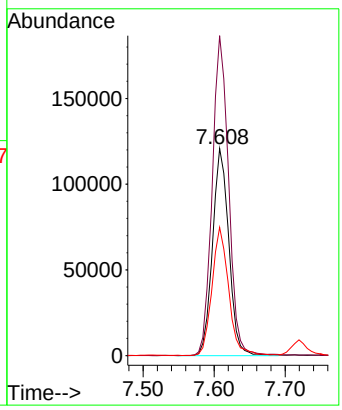




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 79
Delta R.T. -0.005 min
Lab File: BP024877.D
Acq: 09 Jun 2025 14:52

Tgt Ion:152 Resp: 193111

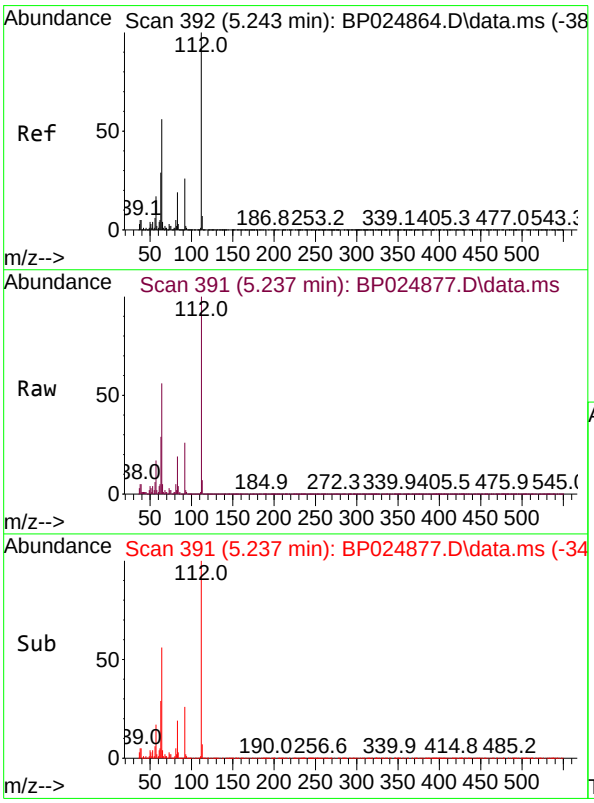
Ion	Ratio	Lower	Upper
152	100		
150	154.5	122.1	183.1
115	61.9	46.4	69.6



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425

Manual Integrations APPROVED

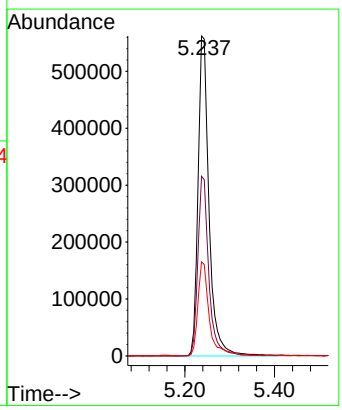
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

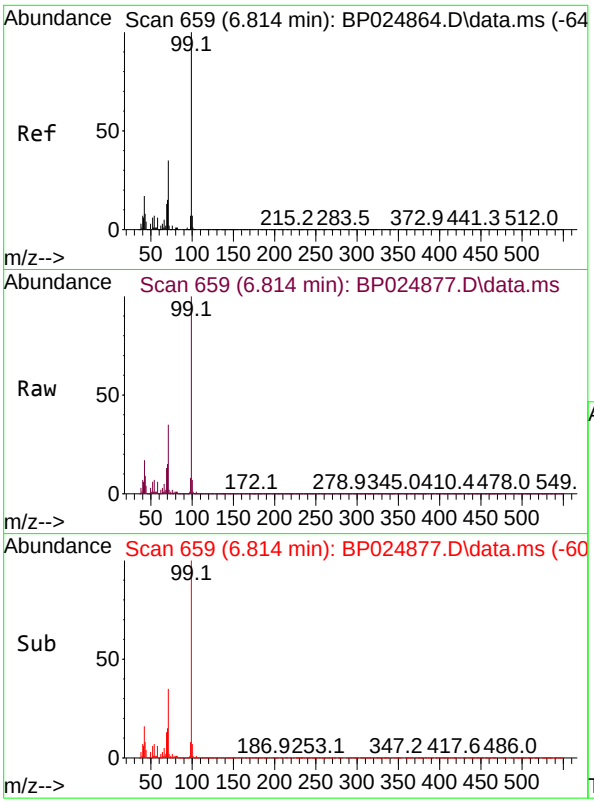


#5
2-Fluorophenol
Concen: 82.414 ng
RT: 5.237 min Scan# 391
Delta R.T. -0.006 min
Lab File: BP024877.D
Acq: 09 Jun 2025 14:52

Tgt Ion:112 Resp: 953456

Ion	Ratio	Lower	Upper
112	100		
64	56.1	44.7	67.1
63	29.4	23.5	35.3

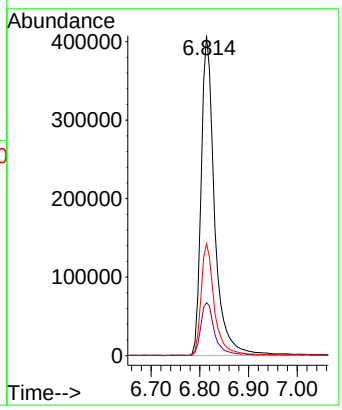




#7
Phenol-d6
Concen: 51.051 ng
RT: 6.814 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024877.D
Acq: 09 Jun 2025 14:52

Tgt Ion: 99 Resp: 78143

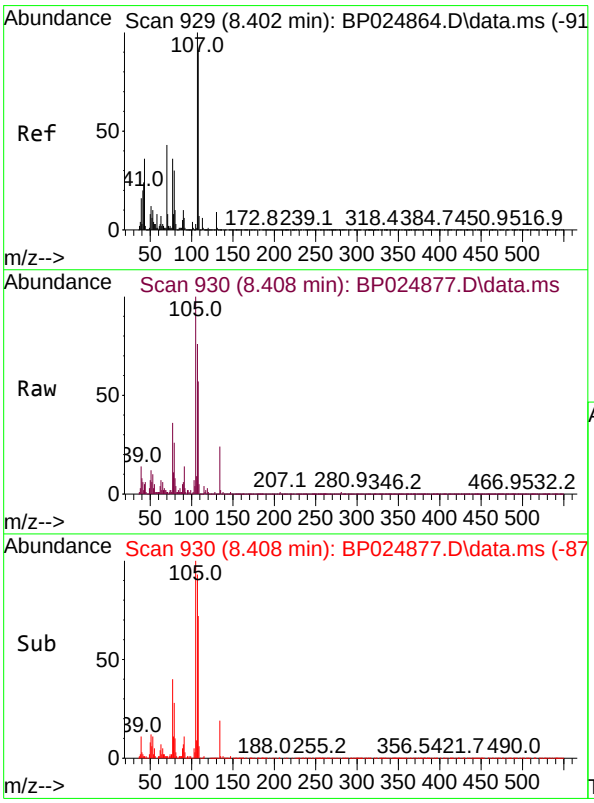
Ion	Ratio	Lower	Upper
99	100		
42	16.5	13.4	20.2
71	34.9	27.6	41.4



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425

Manual Integrations APPROVED

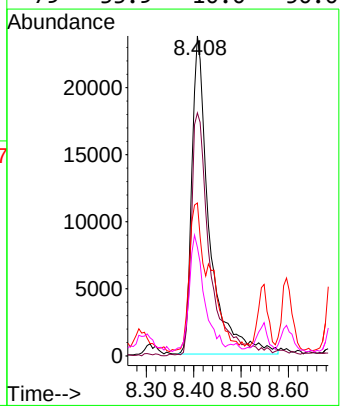
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

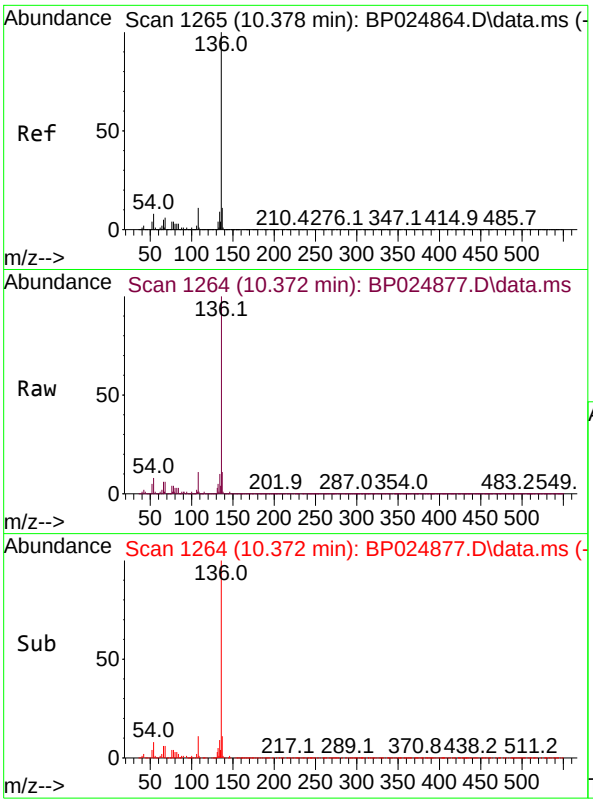


#20
3+4-Methylphenols
Concen: 4.043 ng
RT: 8.408 min Scan# 930
Delta R.T. 0.006 min
Lab File: BP024877.D
Acq: 09 Jun 2025 14:52

Tgt Ion:107 Resp: 60786

Ion	Ratio	Lower	Upper
107	100		
108	75.9	70.7	110.7
77	47.8	16.6	56.6
79	33.9	10.0	50.0

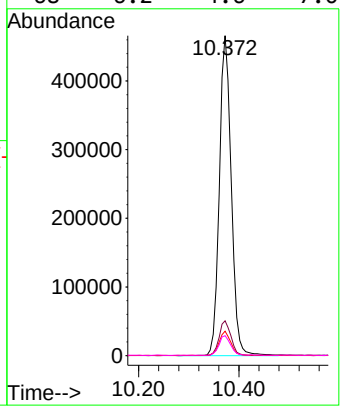




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.372 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024877.D
Acq: 09 Jun 2025 14:52

Tgt Ion:136 Resp: 76842

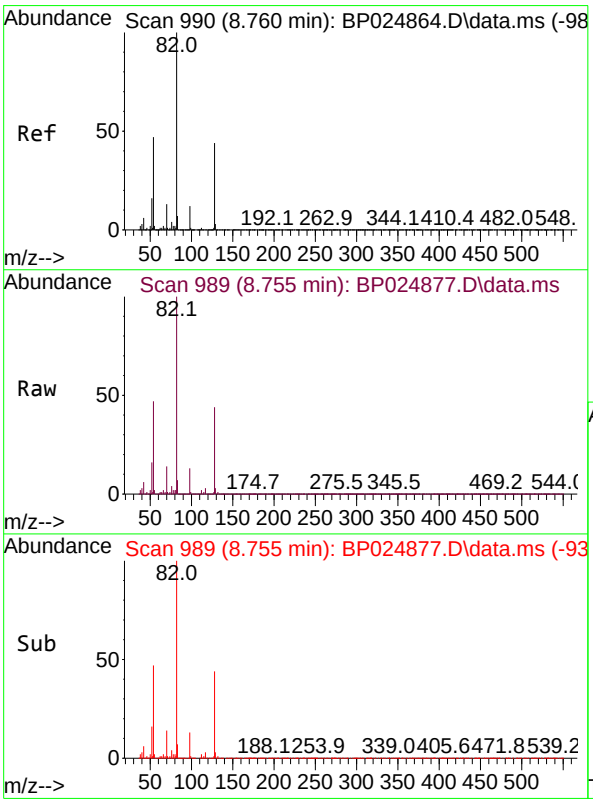
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.6	6.1	9.1
68	6.2	4.6	7.0



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425

Manual Integrations APPROVED

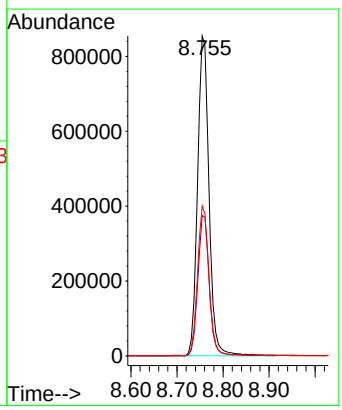
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

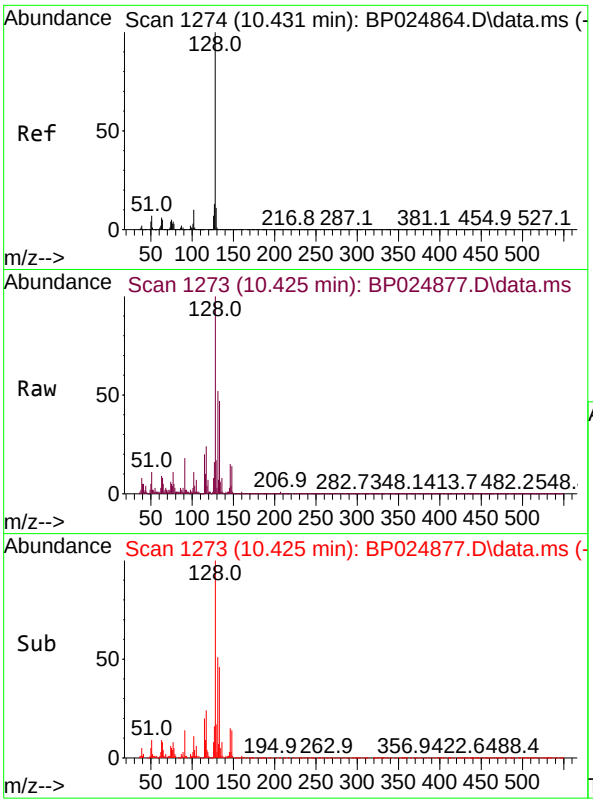


#23
Nitrobenzene-d5
Concen: 93.041 ng
RT: 8.755 min Scan# 989
Delta R.T. -0.006 min
Lab File: BP024877.D
Acq: 09 Jun 2025 14:52

Tgt Ion: 82 Resp: 1471313

Ion	Ratio	Lower	Upper
82	100		
128	43.9	35.3	52.9
54	46.9	37.4	56.0

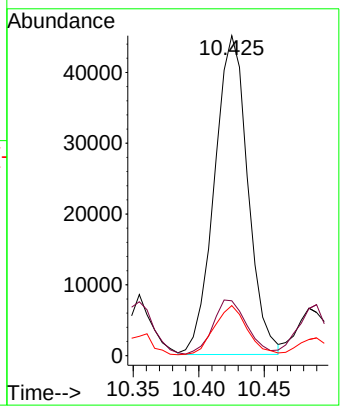




#31
Naphthalene
Concen: 2.028 ng
RT: 10.425 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024877.D
Acq: 09 Jun 2025 14:52

Tgt Ion:128 Resp: 7984

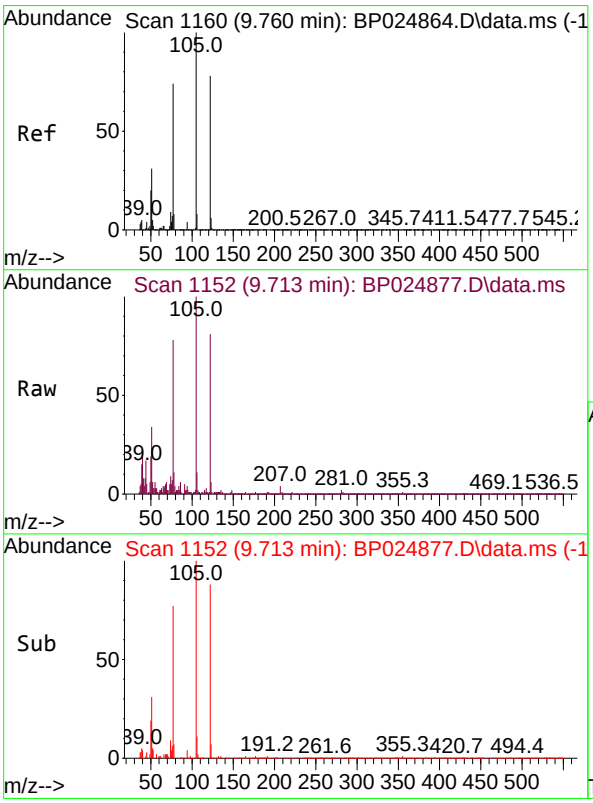
Ion	Ratio	Lower	Upper
128	100		
129	17.1	8.7	13.1#
127	15.6	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425

Manual Integrations APPROVED

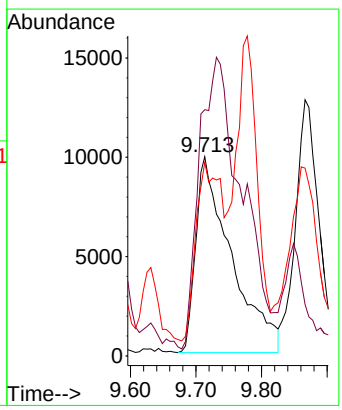
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

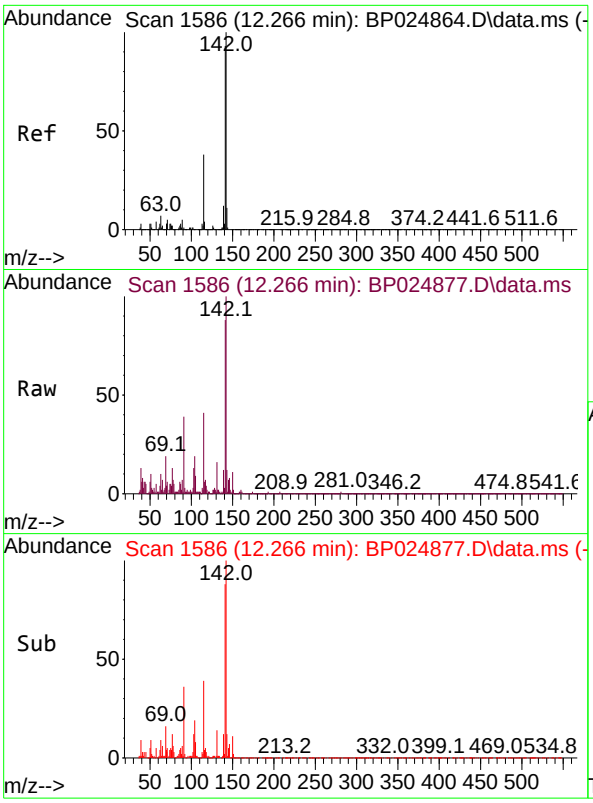


#32
Benzoic acid
Concen: 4.631 ng
RT: 9.713 min Scan# 1152
Delta R.T. -0.047 min
Lab File: BP024877.D
Acq: 09 Jun 2025 14:52

Tgt Ion:122 Resp: 37128

Ion	Ratio	Lower	Upper
122	100		
105	123.6	107.1	147.1
77	97.0	75.1	115.1

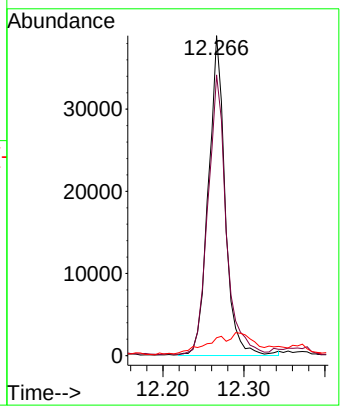




#38
1-Methylnaphthalene
Concen: 2.097 ng m
RT: 12.266 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024877.D
Acq: 09 Jun 2025 14:52

Tgt Ion:142 Resp: 5598

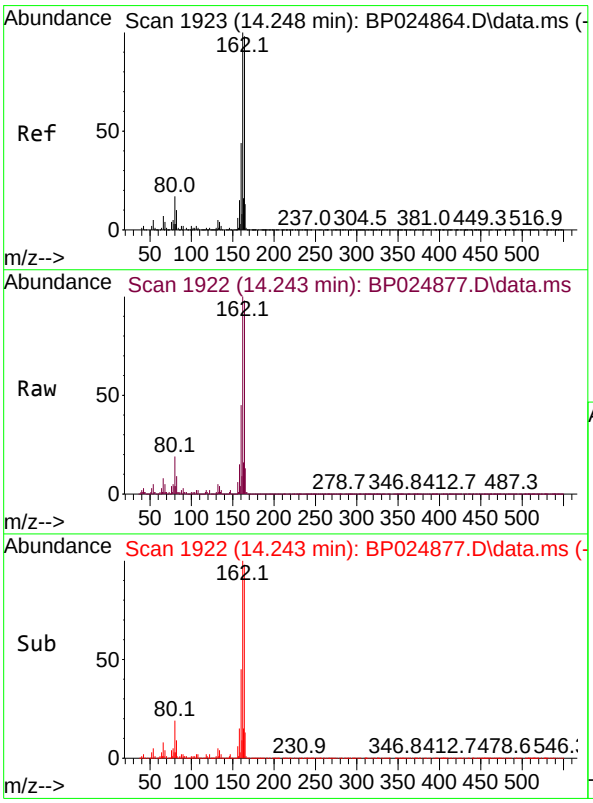
Ion	Ratio	Lower	Upper
142	100		
141	87.7	74.7	112.1
116	5.6	3.4	5.0



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425

Manual Integrations APPROVED

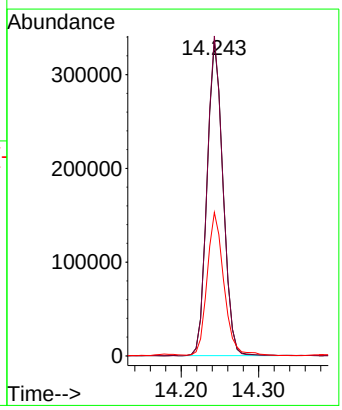
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

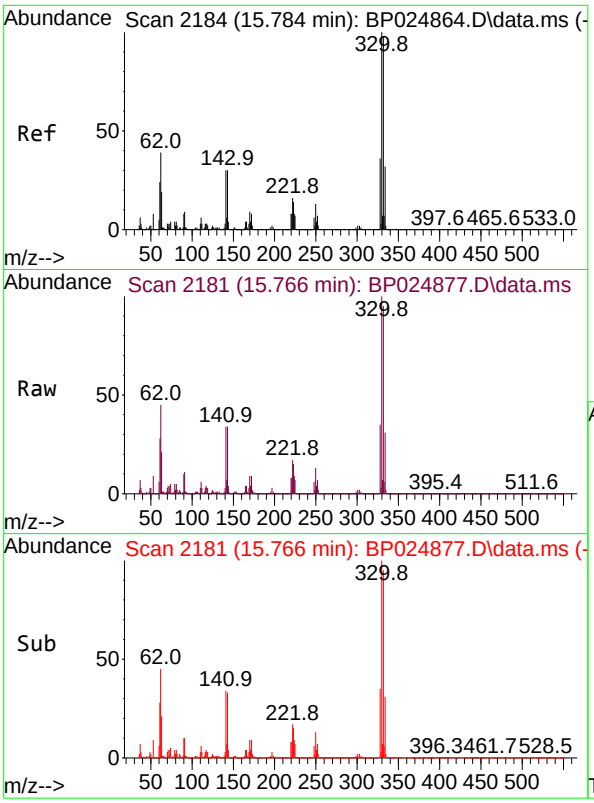


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.243 min Scan# 1922
Delta R.T. -0.006 min
Lab File: BP024877.D
Acq: 09 Jun 2025 14:52

Tgt Ion:164 Resp: 479578

Ion	Ratio	Lower	Upper
164	100		
162	101.7	81.6	122.4
160	45.6	36.2	54.2

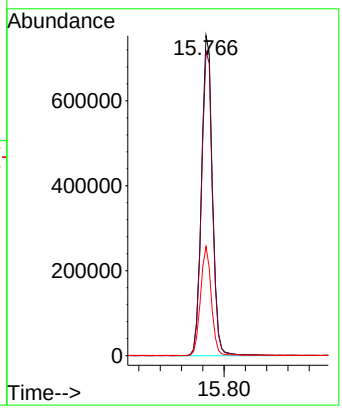




#42
2,4,6-Tribromophenol
Concen: 161.027 ng
RT: 15.766 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP024877.D
Acq: 09 Jun 2025 14:52

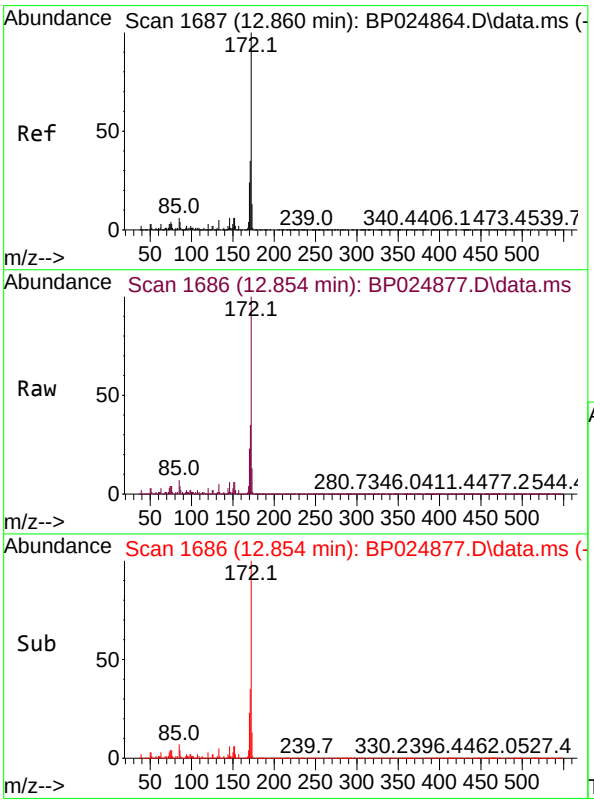
Tgt Ion:330 Resp: 106767

Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.7	116.5
141	33.6	26.4	39.6



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425

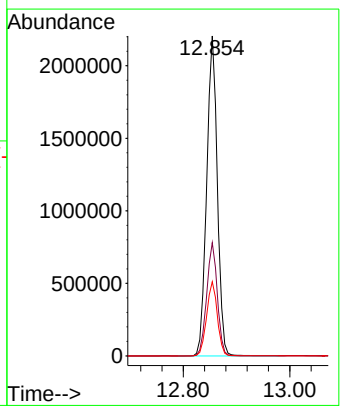
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

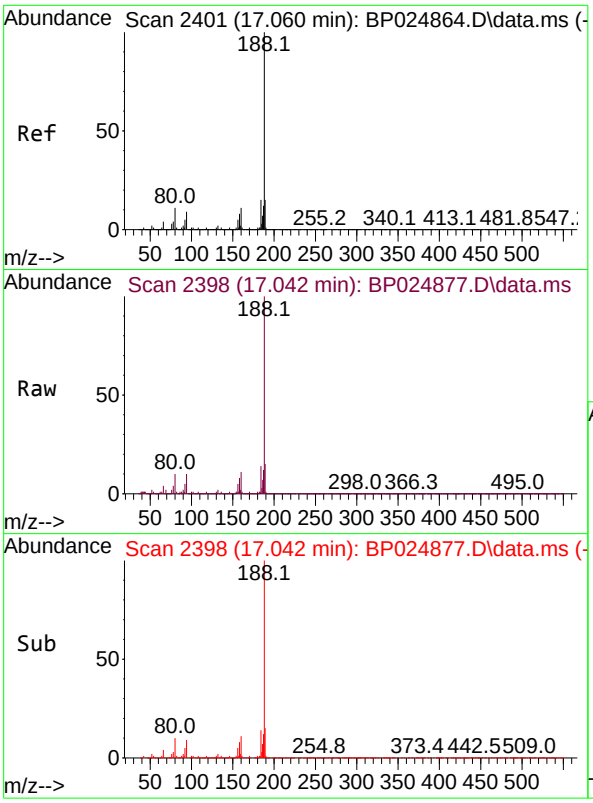


#45
2-Fluorobiphenyl
Concen: 85.918 ng
RT: 12.854 min Scan# 1686
Delta R.T. -0.006 min
Lab File: BP024877.D
Acq: 09 Jun 2025 14:52

Tgt Ion:172 Resp: 3058686

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.3	42.5
170	23.2	19.0	28.4

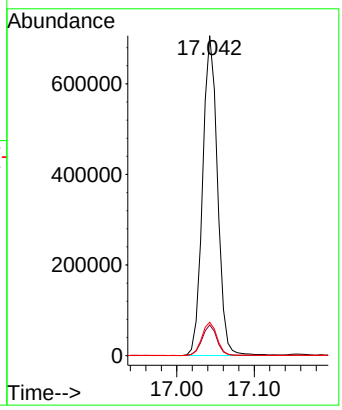




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.042 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024877.D
Acq: 09 Jun 2025 14:52

Tgt Ion:188 Resp: 94330

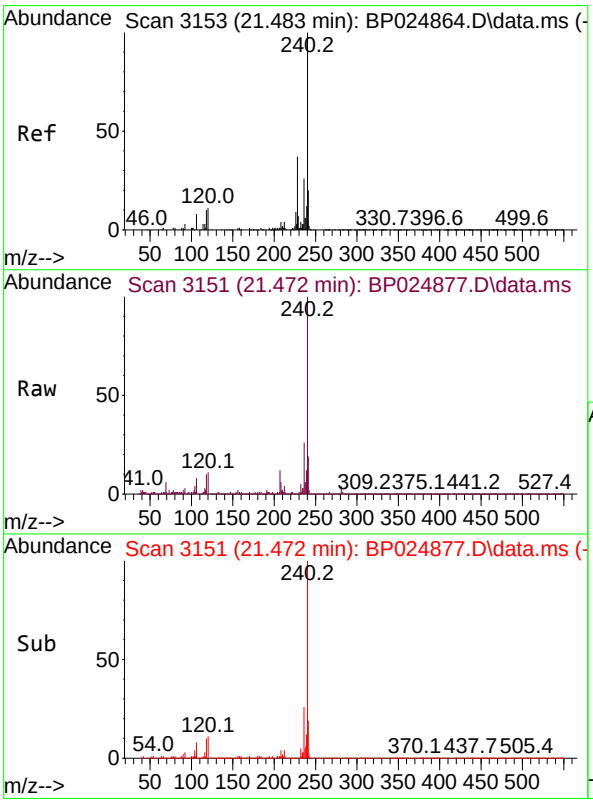
Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.3	10.9
80	10.4	8.5	12.7



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425

Manual Integrations
APPROVED

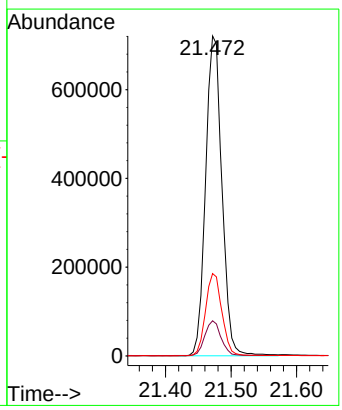
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

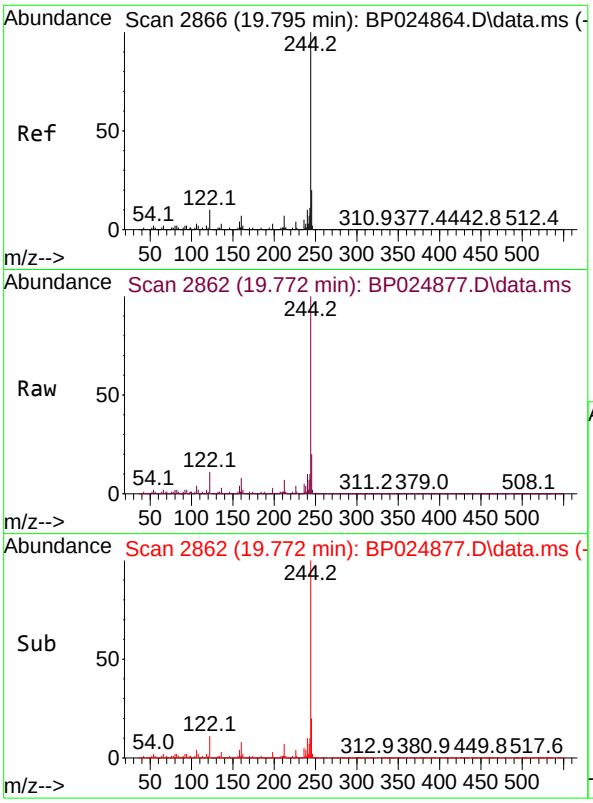


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.472 min Scan# 3151
Delta R.T. -0.012 min
Lab File: BP024877.D
Acq: 09 Jun 2025 14:52

Tgt Ion:240 Resp: 1244702

Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.9	13.3
236	25.7	20.9	31.3

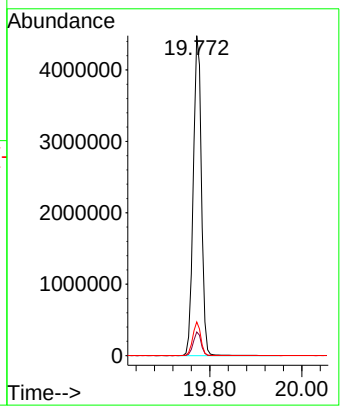




#79
Terphenyl-d14
Concen: 78.543 ng
RT: 19.772 min Scan# 28
Delta R.T. -0.023 min
Lab File: BP024877.D
Acq: 09 Jun 2025 14:52

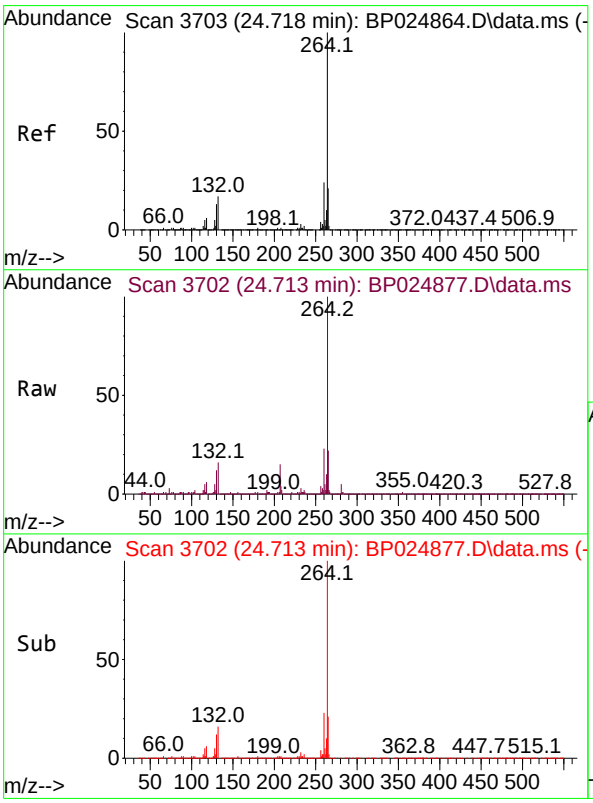
Tgt Ion:244 Resp: 5454769

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.6	8.4
122	10.5	7.7	11.5



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425

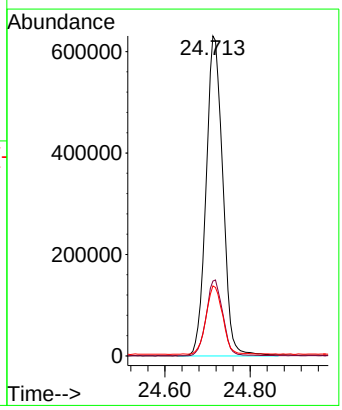
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.713 min Scan# 3702
Delta R.T. -0.006 min
Lab File: BP024877.D
Acq: 09 Jun 2025 14:52

Tgt Ion:264 Resp: 1717483

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.0	28.4
265	21.9	17.4	26.0



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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/04/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	06/04/25
Client Sample ID:	GW-MW901-060425	SDG No.:	Q2230
Lab Sample ID:	Q2230-05	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024881.D	1	06/06/25 08:35	06/09/25 17:35	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
91-20-3	Naphthalene	5.10	U	0.51	5.10	ug/L
208-96-8	Acenaphthylene	5.10	U	0.77	5.10	ug/L
83-32-9	Acenaphthene	5.10	U	0.56	5.10	ug/L
86-73-7	Fluorene	5.10	U	0.64	5.10	ug/L
85-01-8	Phenanthrene	5.10	U	0.51	5.10	ug/L
120-12-7	Anthracene	5.10	U	0.62	5.10	ug/L
206-44-0	Fluoranthene	5.10	U	0.84	5.10	ug/L
129-00-0	Pyrene	5.10	U	0.51	5.10	ug/L
56-55-3	Benzo(a)anthracene	5.10	U	0.46	5.10	ug/L
218-01-9	Chrysene	5.10	U	0.45	5.10	ug/L
205-99-2	Benzo(b)fluoranthene	5.10	U	0.50	5.10	ug/L
207-08-9	Benzo(k)fluoranthene	5.10	U	0.49	5.10	ug/L
50-32-8	Benzo(a)pyrene	5.10	U	0.56	5.10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	5.10	U	0.60	5.10	ug/L
53-70-3	Dibenzo(a,h)anthracene	5.10	U	0.68	5.10	ug/L
191-24-2	Benzo(g,h,i)perylene	5.10	U	0.70	5.10	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	85.9		67 - 132	86%	SPK: 100
321-60-8	2-Fluorobiphenyl	81.4		52 - 132	81%	SPK: 100
1718-51-0	Terphenyl-d14	82.1		42 - 152	82%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	270000	7.607			
1146-65-2	Naphthalene-d8	1070000	10.372			
15067-26-2	Acenaphthene-d10	664000	14.248			
1517-22-2	Phenanthrene-d10	1330000	17.054			
1719-03-5	Chrysene-d12	1570000	21.477			
1520-96-3	Perylene-d12	1840000	24.724			

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/04/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	06/04/25
Client Sample ID:	GW-MW901-060425	SDG No.:	Q2230
Lab Sample ID:	Q2230-05	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024881.D	1	06/06/25 08:35	06/09/25 17:35	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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\BP060925\
Data File : BP024881.D
Acq On : 09 Jun 2025 17:35
Operator : RC/JU
Sample : Q2230-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
GW-MW901-060425

Quant Time: Jun 09 18:16:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

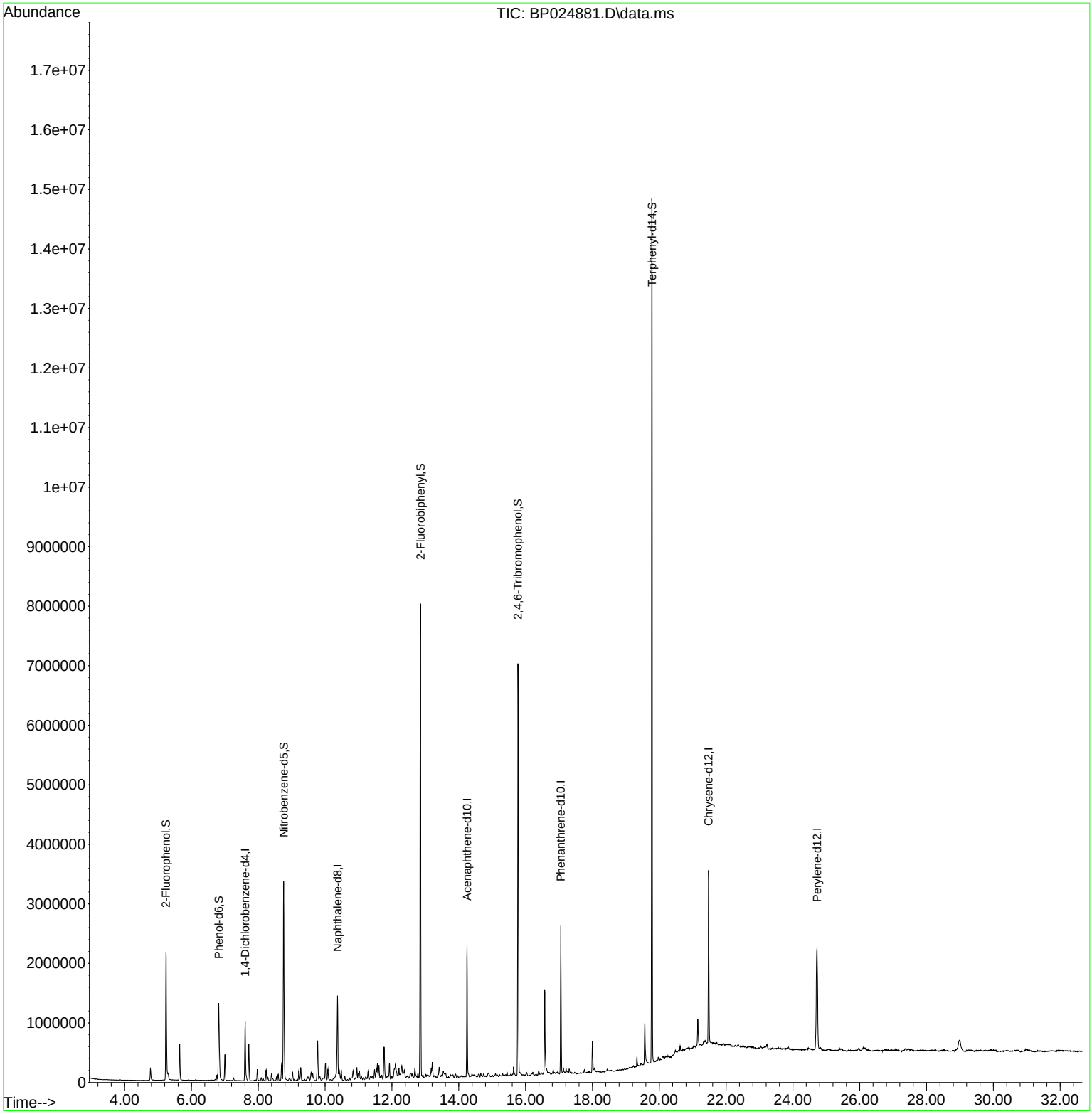
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.607	152	269752	20.000	ng	0.00
21) Naphthalene-d8	10.372	136	1068626	20.000	ng	0.00
39) Acenaphthene-d10	14.248	164	664052	20.000	ng	0.00
64) Phenanthrene-d10	17.054	188	1331033	20.000	ng	0.00
76) Chrysene-d12	21.477	240	1566442	20.000	ng	0.00
86) Perylene-d12	24.724	264	1838040	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.237	112	1084815	67.127	ng	0.00
7) Phenol-d6	6.813	99	875177	40.930	ng	0.00
23) Nitrobenzene-d5	8.760	82	1889460	85.918	ng	0.00
42) 2,4,6-Tribromophenol	15.772	330	1453971	158.369	ng	-0.01
45) 2-Fluorobiphenyl	12.854	172	4010432	81.357	ng	0.00
79) Terphenyl-d14	19.783	244	7173932	82.081	ng	-0.01
Target Compounds						Qvalue

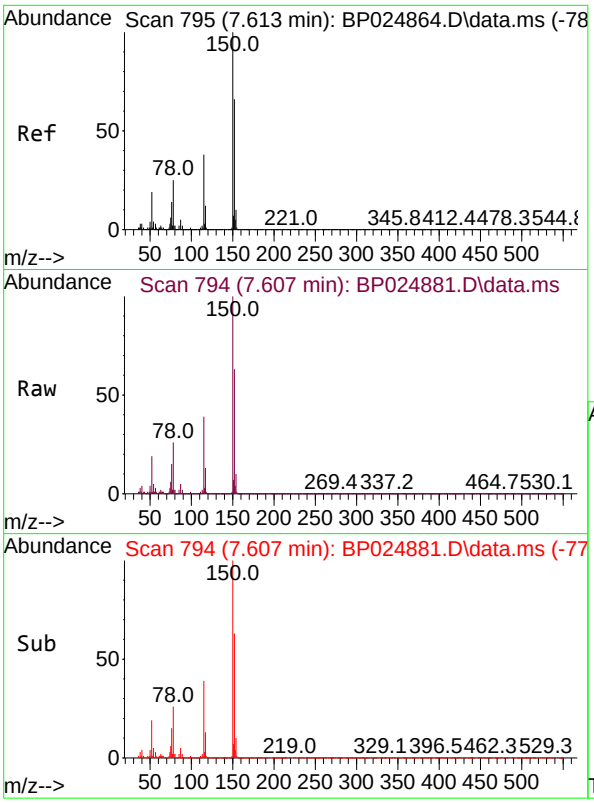
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024881.D
Acq On : 09 Jun 2025 17:35
Operator : RC/JU
Sample : Q2230-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
GW-MW901-060425

Quant Time: Jun 09 18:16:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration



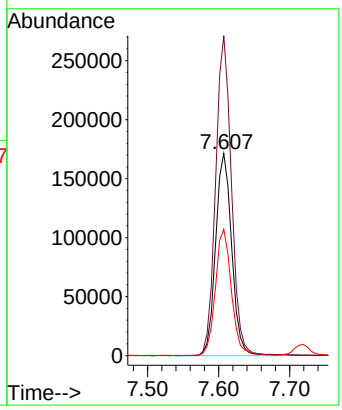


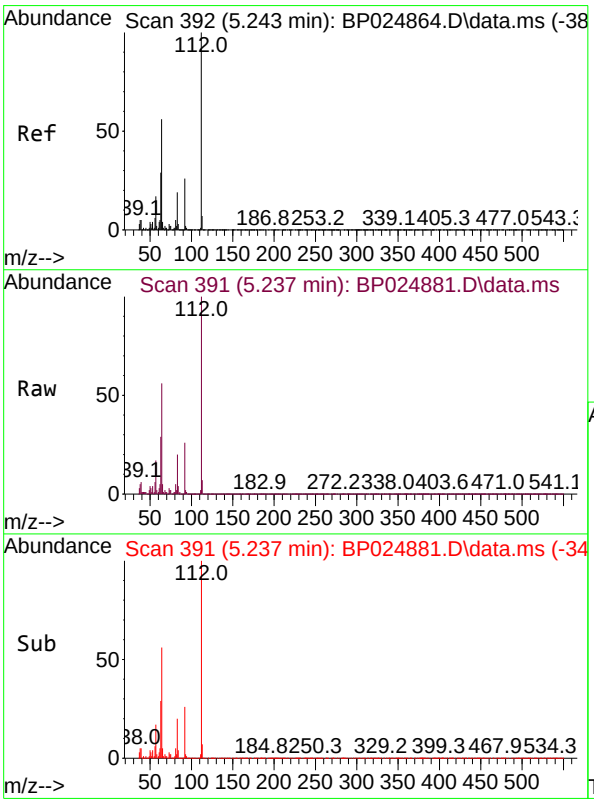
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.607 min Scan# 79
Delta R.T. -0.006 min
Lab File: BP024881.D
Acq: 09 Jun 2025 17:35

Instrument :
BNA_P
ClientSampleId :
GW-MW901-060425

Tgt Ion:152 Resp: 269752

Ion	Ratio	Lower	Upper
152	100		
150	158.3	122.1	183.1
115	62.5	46.4	69.6

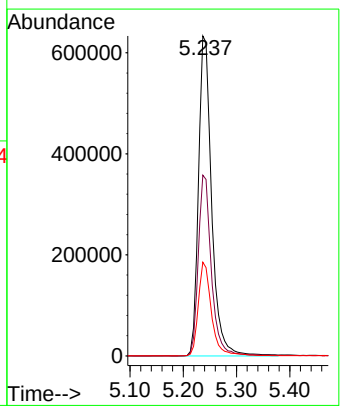


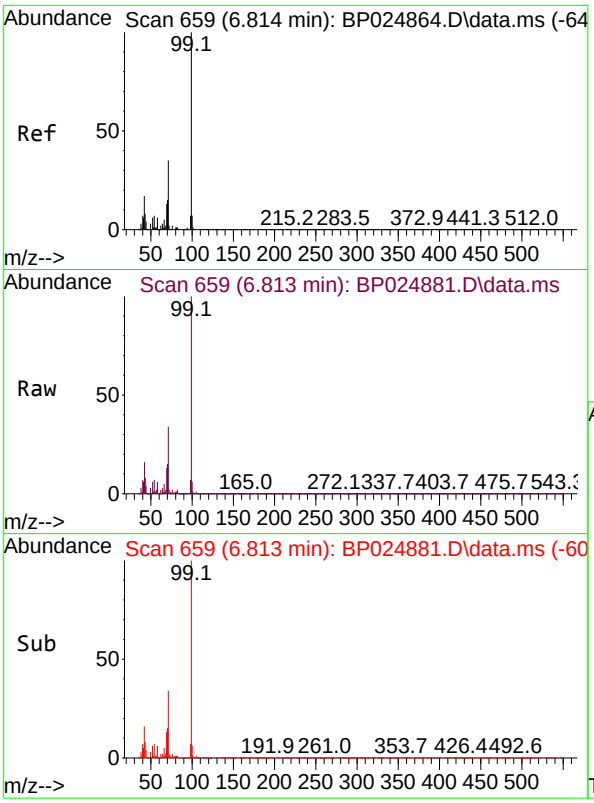


#5
2-Fluorophenol
Concen: 67.127 ng
RT: 5.237 min Scan# 391
Delta R.T. -0.006 min
Lab File: BP024881.D
Acq: 09 Jun 2025 17:35

Tgt Ion:112 Resp: 1084815

Ion	Ratio	Lower	Upper
112	100		
64	56.5	44.7	67.1
63	29.3	23.5	35.3



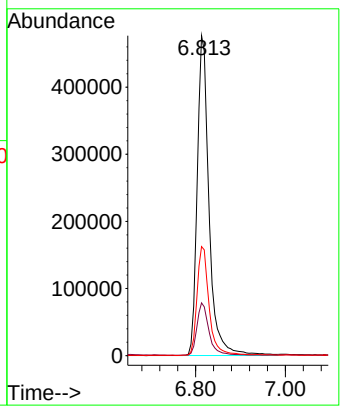


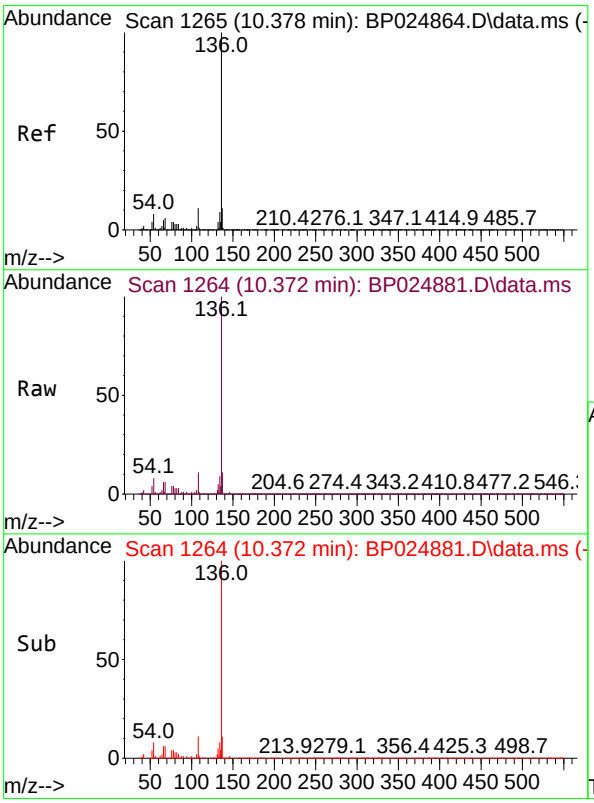
#7
Phenol-d6
Concen: 40.930 ng
RT: 6.813 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024881.D
Acq: 09 Jun 2025 17:35

Instrument :
BNA_P
ClientSampleId :
GW-MW901-060425

Tgt Ion: 99 Resp: 875177

Ion	Ratio	Lower	Upper
99	100		
42	16.5	13.4	20.2
71	34.1	27.6	41.4

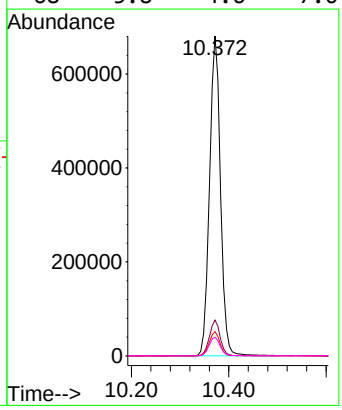


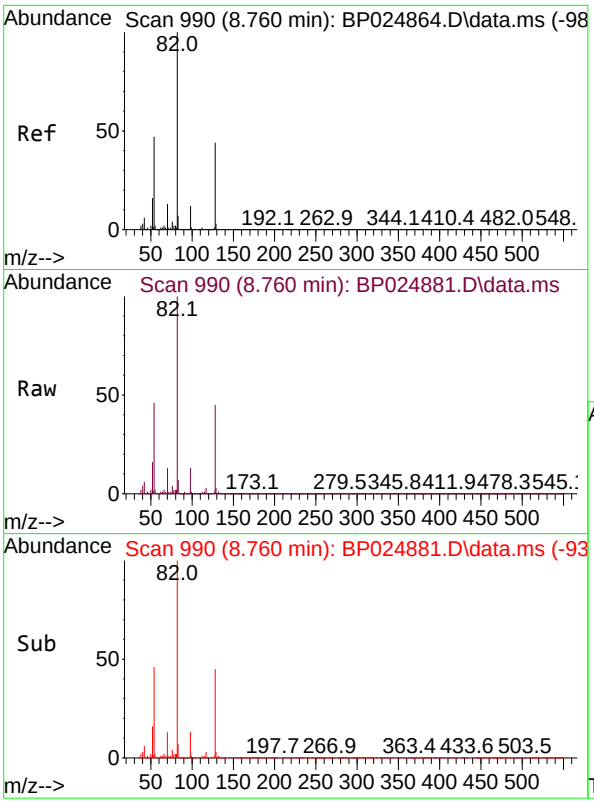


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.372 min Scan# 1264
Delta R.T. -0.006 min
Lab File: BP024881.D
Acq: 09 Jun 2025 17:35

Tgt Ion:136 Resp: 1068626

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.6	6.1	9.1
68	5.8	4.6	7.0



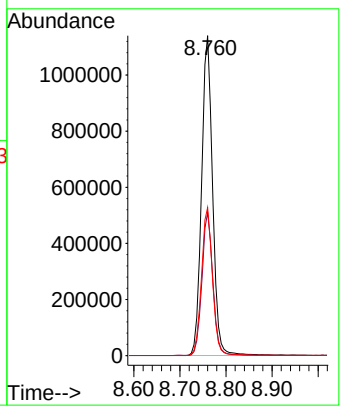


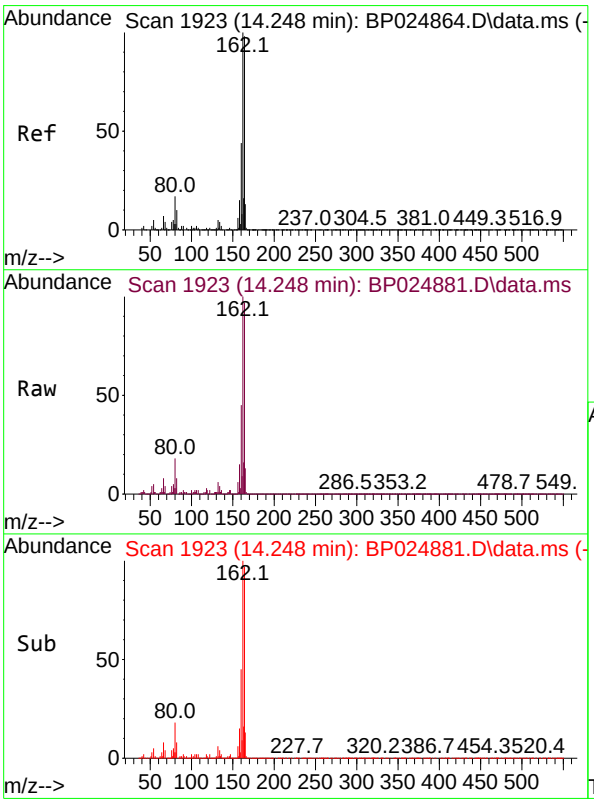
#23
Nitrobenzene-d5
Concen: 85.918 ng
RT: 8.760 min Scan# 99
Delta R.T. -0.000 min
Lab File: BP024881.D
Acq: 09 Jun 2025 17:35

Instrument :
BNA_P
ClientSampleId :
GW-MW901-060425

Tgt Ion: 82 Resp: 1889460

Ion	Ratio	Lower	Upper
82	100		
128	44.7	35.3	52.9
54	46.3	37.4	56.0

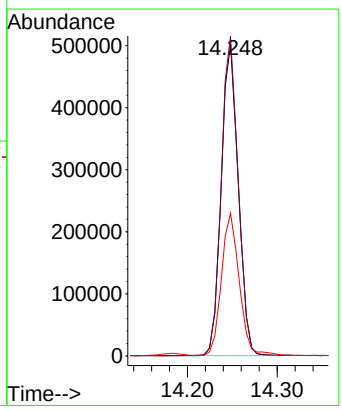


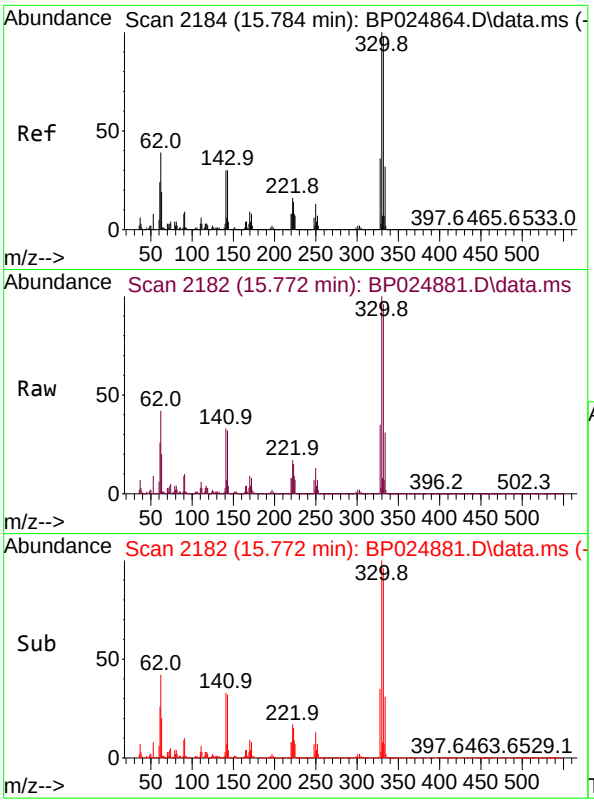


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.248 min Scan# 1923
Delta R.T. -0.000 min
Lab File: BP024881.D
Acq: 09 Jun 2025 17:35

Tgt Ion:164 Resp: 664052

Ion	Ratio	Lower	Upper
164	100		
162	102.7	81.6	122.4
160	45.8	36.2	54.2



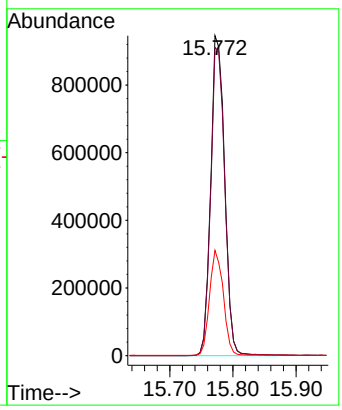


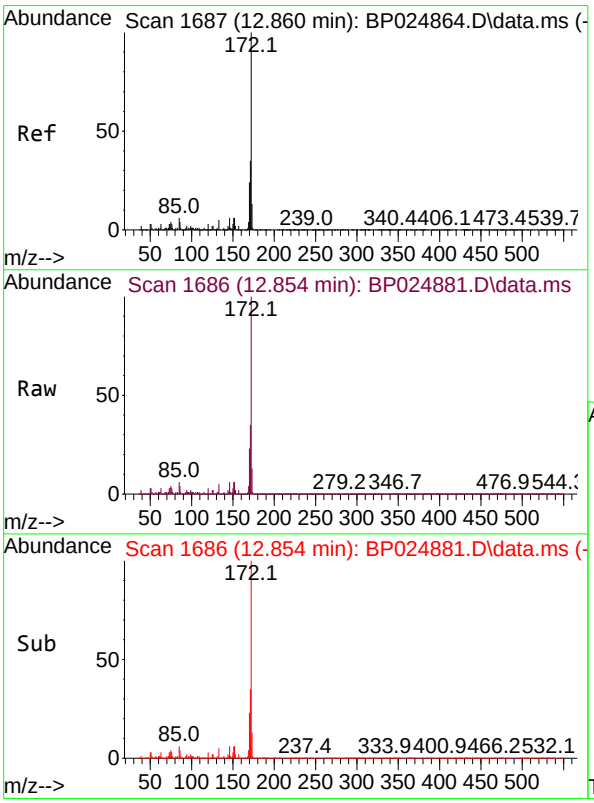
#42
2,4,6-Tribromophenol
Concen: 158.369 ng
RT: 15.772 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP024881.D
Acq: 09 Jun 2025 17:35

Instrument :
BNA_P
ClientSampleId :
GW-MW901-060425

Tgt Ion:330 Resp: 1453971

Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.7	116.5
141	32.3	26.4	39.6

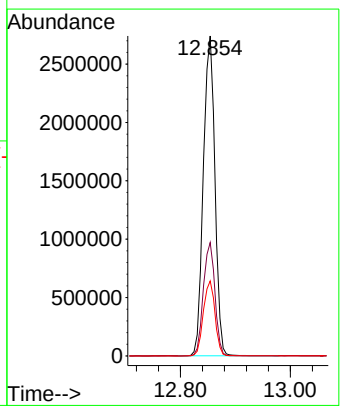


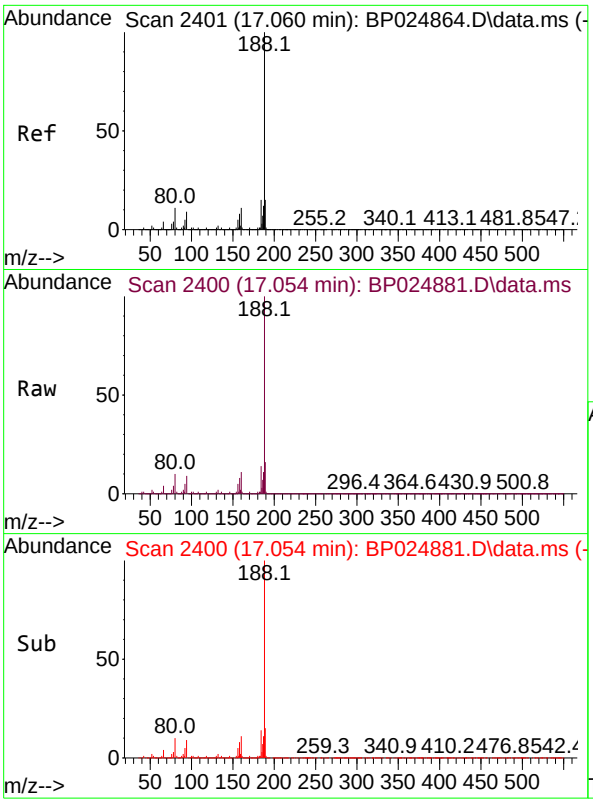


#45
2-Fluorobiphenyl
Concen: 81.357 ng
RT: 12.854 min Scan# 1686
Delta R.T. -0.006 min
Lab File: BP024881.D
Acq: 09 Jun 2025 17:35

Tgt Ion:172 Resp: 4010432

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.3	42.5
170	23.4	19.0	28.4



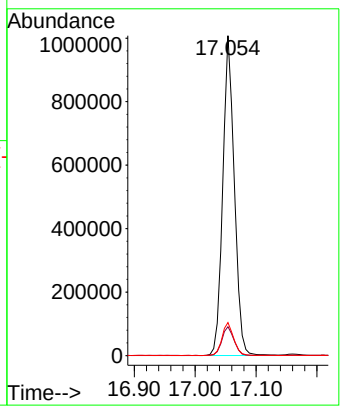


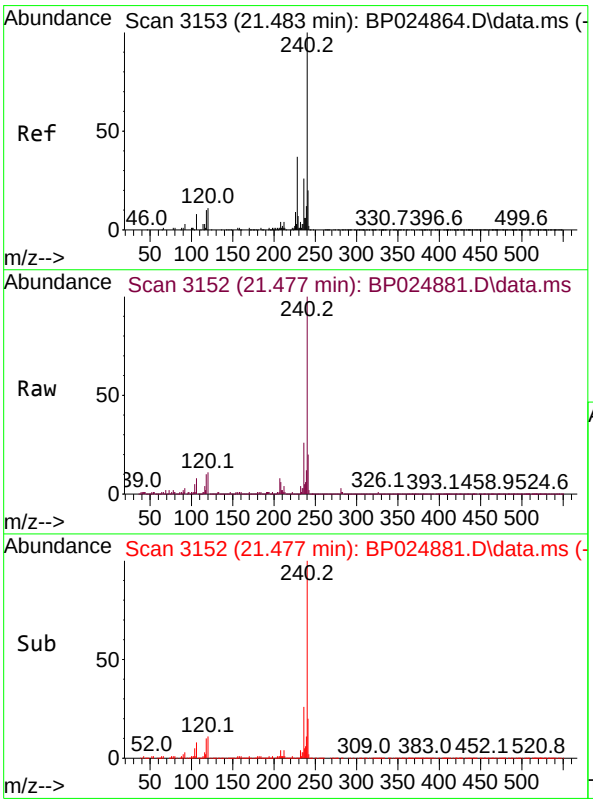
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.054 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024881.D
Acq: 09 Jun 2025 17:35

Instrument :
BNA_P
ClientSampleId :
GW-MW901-060425

Tgt Ion:188 Resp: 1331033

Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.3	10.9
80	10.3	8.5	12.7

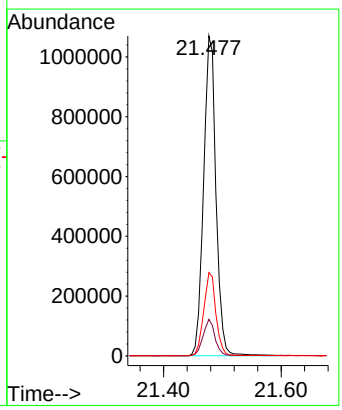


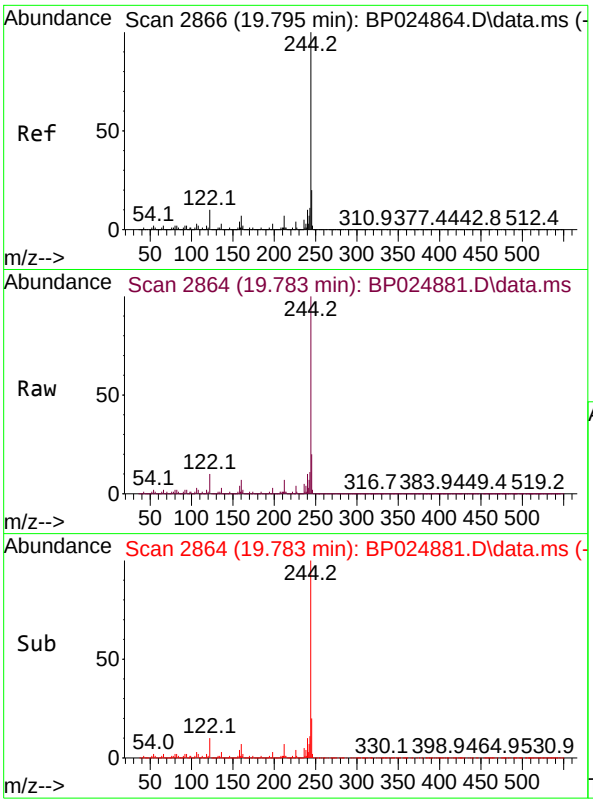


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.477 min Scan# 3152
Delta R.T. -0.006 min
Lab File: BP024881.D
Acq: 09 Jun 2025 17:35

Tgt Ion:240 Resp: 1566442

Ion	Ratio	Lower	Upper
240	100		
120	11.4	8.9	13.3
236	26.0	20.9	31.3



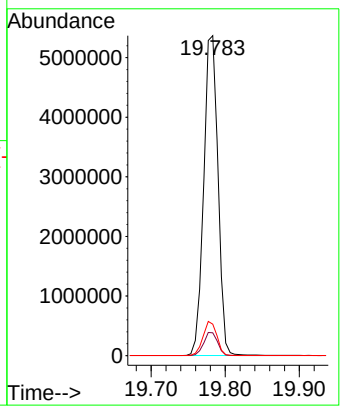


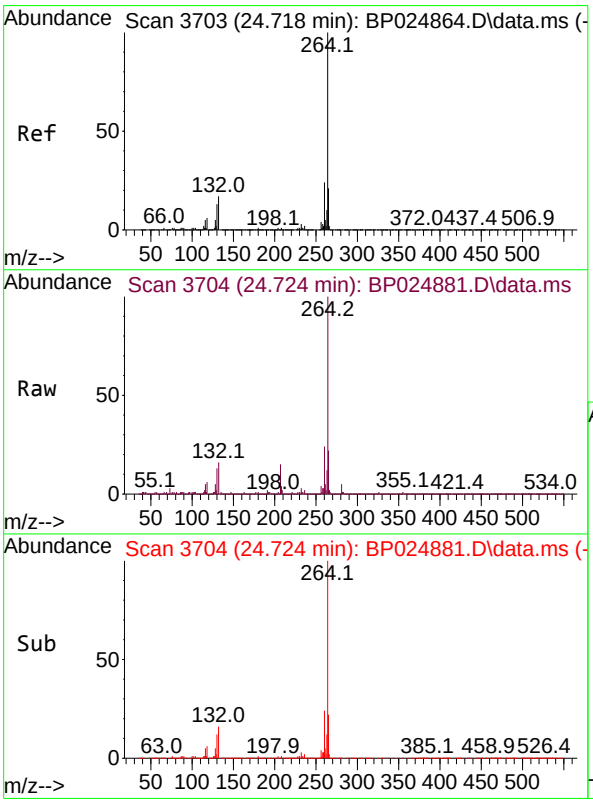
#79
Terphenyl-d14
Concen: 82.081 ng
RT: 19.783 min Scan# 28
Delta R.T. -0.012 min
Lab File: BP024881.D
Acq: 09 Jun 2025 17:35

Instrument :
BNA_P
ClientSampleId :
GW-MW901-060425

Tgt Ion:244 Resp: 7173932

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	9.8	7.7	11.5

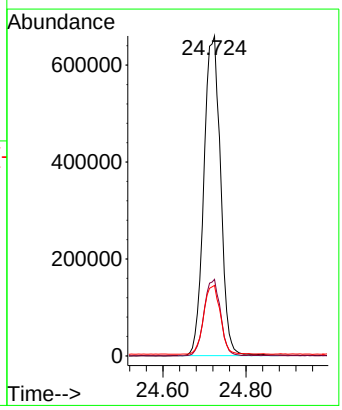




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.724 min Scan# 3704
Delta R.T. 0.006 min
Lab File: BP024881.D
Acq: 09 Jun 2025 17:35

Tgt Ion:264 Resp: 1838040

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.4
265	22.0	17.4	26.0



CALIBRATION SUMMARY

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP060625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jun 06 16:20:27 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP024860.D 5 =BP024861.D 10 =BP024862.D 20 =BP024863.D 40 =BP024864.D 50 =BP024865.D 60 =BP024866.D 80 =BP0248
67.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.564	0.529	0.524	0.495	0.546	0.515	0.517	0.527	4.21
3)		Pyridine		1.151	1.183	1.265	1.226	1.370	1.367	1.315	1.268	6.84
4)		n-Nitrosodimet...			0.478	0.509	0.502	0.542	0.554	0.525	0.518	5.36
5)	S	2-Fluorophenol		1.127	1.139	1.207	1.163	1.283	1.253	1.215	1.198	4.85
6)		Aniline		1.917	1.892	2.016	1.978	2.145	2.182	2.031	2.023	5.37
7)	S	Phenol-d6		1.507	1.528	1.588	1.545	1.676	1.689	1.564	1.585	4.49
8)		2-Chlorophenol		1.336	1.290	1.346	1.314	1.453	1.422	1.348	1.358	4.29
9)		Benzaldehyde			1.038	1.071	0.873	0.985	0.869	0.646	0.914	16.98
10)	C	Phenol		1.560	1.564	1.616	1.587	1.725	1.759	1.629	1.634	4.78
11)		bis(2-Chloroet...		1.222	1.277	1.334	1.234	1.363	1.322	1.246	1.285	4.26
12)		1,3-Dichlorobe...		1.570	1.515	1.537	1.425	1.571	1.519	1.471	1.515	3.49
13)	C	1,4-Dichlorobe...		1.596	1.507	1.535	1.439	1.604	1.534	1.488	1.529	3.82
14)		1,2-Dichlorobe...		1.529	1.637	1.488	1.401	1.540	1.492	1.422	1.501	5.25
15)		Benzyl Alcohol			1.137	1.185	1.170	1.289	1.309	1.211	1.217	5.63
16)		2,2'-oxybis(1-...		1.748	1.732	1.722	1.583	1.751	1.667	1.574	1.682	4.54
17)		2-Methylphenol		1.053	1.149	1.138	1.106	1.210	1.211	1.121	1.141	4.94
18)		Hexachloroethane		0.591	0.565	0.581	0.545	0.611	0.574	0.562	0.576	3.73
19)	P	n-Nitroso-di-n...	0.984	1.101	1.105	1.107	1.043	1.141	1.113	1.029	1.078	4.93
20)		3+4-Methylphenols			1.507	1.548	1.493	1.631	1.648	1.515	1.557	4.29
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.506	0.521	0.511	0.491	0.535	0.510	0.463	0.505	4.58
23)	S	Nitrobenzene-d5		0.407	0.397	0.423	0.404	0.444	0.423	0.383	0.412	4.89
24)		Nitrobenzene		0.366	0.351	0.375	0.360	0.392	0.376	0.339	0.366	4.81
25)		Isophorone		0.704	0.678	0.724	0.694	0.764	0.726	0.704	0.713	3.91
26)	C	2-Nitrophenol		0.154	0.157	0.178	0.180	0.201	0.195	0.198	0.180	10.62
27)		2,4-Dimethylph...		0.294	0.286	0.310	0.303	0.331	0.320	0.318	0.309	5.12
28)		bis(2-Chloroet...		0.414	0.408	0.438	0.414	0.465	0.423	0.416	0.426	4.70
29)	C	2,4-Dichloroph...		0.246	0.272	0.300	0.292	0.327	0.313	0.323	0.296	9.81
30)		1,2,4-Trichlor...		0.335	0.319	0.335	0.317	0.352	0.330	0.351	0.334	4.16
31)		Naphthalene		1.071	1.022	1.044	0.989	1.079	1.035	0.935	1.025	4.86
32)		Benzoic acid			0.159	0.181	0.204	0.230	0.235	0.243	0.209	16.01
33)		4-Chloroaniline		0.397	0.401	0.435	0.426	0.471	0.463	0.414	0.429	6.72
34)	C	Hexachlorobuta...		0.203	0.199	0.208	0.194	0.218	0.198	0.189	0.201	4.76
35)		Caprolactam			0.098	0.109	0.110	0.118	0.116	0.104	0.109	6.91
36)	C	4-Chloro-3-met...		0.312	0.322	0.351	0.341	0.374	0.363	0.329	0.342	6.58
37)		2-Methylnaphth...		0.659	0.638	0.659	0.633	0.696	0.664	0.602	0.650	4.54
38)		1-Methylnaphth...		0.720	0.680	0.718	0.671	0.741	0.693	0.643	0.695	4.86

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP060625.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.568	0.561	0.568	0.538	0.601	0.574	0.562	0.568	3.31
41)	P	Hexachlorocycl...		0.259	0.315	0.337	0.404	0.369	0.394	0.346	15.74
42)	S	2,4,6-Tribromo...	0.256	0.264	0.279	0.267	0.298	0.286	0.285	0.277	5.26
43)	C	2,4,6-Trichlor...	0.342	0.352	0.386	0.375	0.411	0.404	0.396	0.381	6.86
44)		2,4,5-Trichlor...	0.349	0.379	0.414	0.405	0.448	0.436	0.426	0.408	8.44
45)	S	2-Fluorobiphenyl	1.542	1.507	1.517	1.390	1.563	1.464	1.409	1.485	4.44
46)		1,1'-Biphenyl	1.477	1.456	1.485	1.386	1.509	1.458	1.403	1.453	3.05
47)		2-Chloronaphth...	1.123	1.104	1.135	1.069	1.171	1.136	1.081	1.117	3.16
48)		2-Nitroaniline	0.289	0.324	0.344	0.346	0.371	0.374	0.355	0.343	8.59
49)		Acenaphthylene	1.880	1.851	1.892	1.768	1.939	1.904	1.805	1.863	3.19
50)		Dimethylphthalate	1.515	1.450	1.501	1.400	1.550	1.473	1.438	1.475	3.45
51)		2,6-Dinitrotol...	0.299	0.301	0.326	0.312	0.339	0.333	0.317	0.318	4.86
52)	C	Acenaphthene	1.106	1.064	1.090	1.020	1.087	1.069	1.036	1.067	2.86
53)		3-Nitroaniline	0.263	0.292	0.337	0.338	0.367	0.364	0.349	0.330	11.74
54)	P	2,4-Dinitrophenol		0.117	0.155	0.179	0.203	0.208	0.205	0.178	20.23
55)		Dibenzofuran	1.815	1.721	1.756	1.627	1.757	1.702	1.615	1.713	4.22
56)	P	4-Nitrophenol		0.142	0.213	0.248	0.276	0.281	0.275	0.239	22.62
57)		2,4-Dinitrotol...	0.390	0.416	0.457	0.437	0.487	0.470	0.458	0.445	7.45
58)		Fluorene	1.437	1.394	1.420	1.304	1.434	1.370	1.329	1.384	3.77
59)		2,3,4,6-Tetrac...	0.343	0.350	0.360	0.354	0.395	0.381	0.370	0.365	5.04
60)		Diethylphthalate	1.501	1.474	1.487	1.393	1.545	1.444	1.449	1.470	3.27
61)		4-Chlorophenyl...	0.711	0.668	0.689	0.637	0.709	0.665	0.658	0.677	4.06
62)		4-Nitroaniline	0.239	0.235	0.307	0.311	0.336	0.333	0.334	0.299	14.69
63)		Azobenzene	1.346	1.334	1.394	1.300	1.425	1.335	1.307	1.349	3.37
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.102	0.125	0.130	0.147	0.143	0.142	0.131	12.78
66)	c	n-Nitrosodiphe...	0.627	0.608	0.633	0.597	0.659	0.622	0.594	0.620	3.68
67)		4-Bromophenyl-...	0.224	0.215	0.226	0.213	0.246	0.229	0.226	0.226	4.83
68)		Hexachlorobenzene	0.278	0.268	0.272	0.260	0.290	0.275	0.272	0.274	3.31
69)		Atrazine	0.213	0.212	0.231	0.217	0.244	0.228	0.228	0.225	5.16
70)	C	Pentachlorophenol		0.105	0.131	0.139	0.162	0.153	0.159	0.142	15.21
71)		Phenanthrene	1.158	1.108	1.110	1.056	1.161	1.102	1.041	1.105	4.12
72)		Anthracene	1.129	1.093	1.137	1.072	1.188	1.133	1.083	1.119	3.58
73)		Carbazole	1.023	1.013	1.057	0.998	1.112	1.052	1.007	1.038	3.83
74)		Di-n-butylphth...	1.178	1.245	1.326	1.272	1.421	1.273	1.284	1.285	5.81
75)	C	Fluoranthene	1.300	1.287	1.307	1.223	1.344	1.268	1.238	1.281	3.25
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.512	0.669	0.653	0.690	0.663	0.529	0.619	12.54
78)		Pyrene	1.307	1.195	1.261	1.184	1.322	1.272	1.206	1.249	4.41
79)	S	Terphenyl-d14	1.178	1.073	1.146	1.089	1.164	1.120	1.039	1.116	4.57
80)		Butylbenzylpht...	0.508	0.529	0.581	0.561	0.641	0.596	0.589	0.572	7.74
81)		Benzo(a)anthra...	1.312	1.234	1.288	1.219	1.347	1.310	1.243	1.279	3.73
82)		3,3'-Dichlorob...		0.468	0.513	0.493	0.542	0.531	0.501	0.508	5.29
83)		Chrysene	1.252	1.174	1.229	1.144	1.279	1.238	1.168	1.212	4.13
84)		Bis(2-ethylhex...	0.715	0.780	0.846	0.797	0.921	0.831	0.850	0.820	7.87
85)	c	Di-n-octyl pht...		1.320	1.438	1.384	1.587	1.470	1.473	1.445	6.25

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP060625.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.427	1.402	1.469	1.412	1.559	1.510	1.436	1.459	3.92
88)		Benzo(b)fluora...	1.103	1.104	1.133	1.127	1.232	1.180	1.133	1.145	4.06
89)		Benzo(k)fluora...	1.165	1.144	1.180	1.106	1.259	1.158	1.144	1.165	4.05
90)	C	Benzo(a)pyrene	1.096	1.069	1.127	1.070	1.214	1.136	1.113	1.118	4.46
91)		Dibenzo(a,h)an...	1.151	1.143	1.202	1.143	1.279	1.224	1.172	1.188	4.25
92)		Benzo(g,h,i)pe...	1.172	1.127	1.183	1.136	1.261	1.214	1.157	1.179	3.95

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024860.D
Acq On : 06 Jun 2025 10:30
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Jun 06 15:57:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration

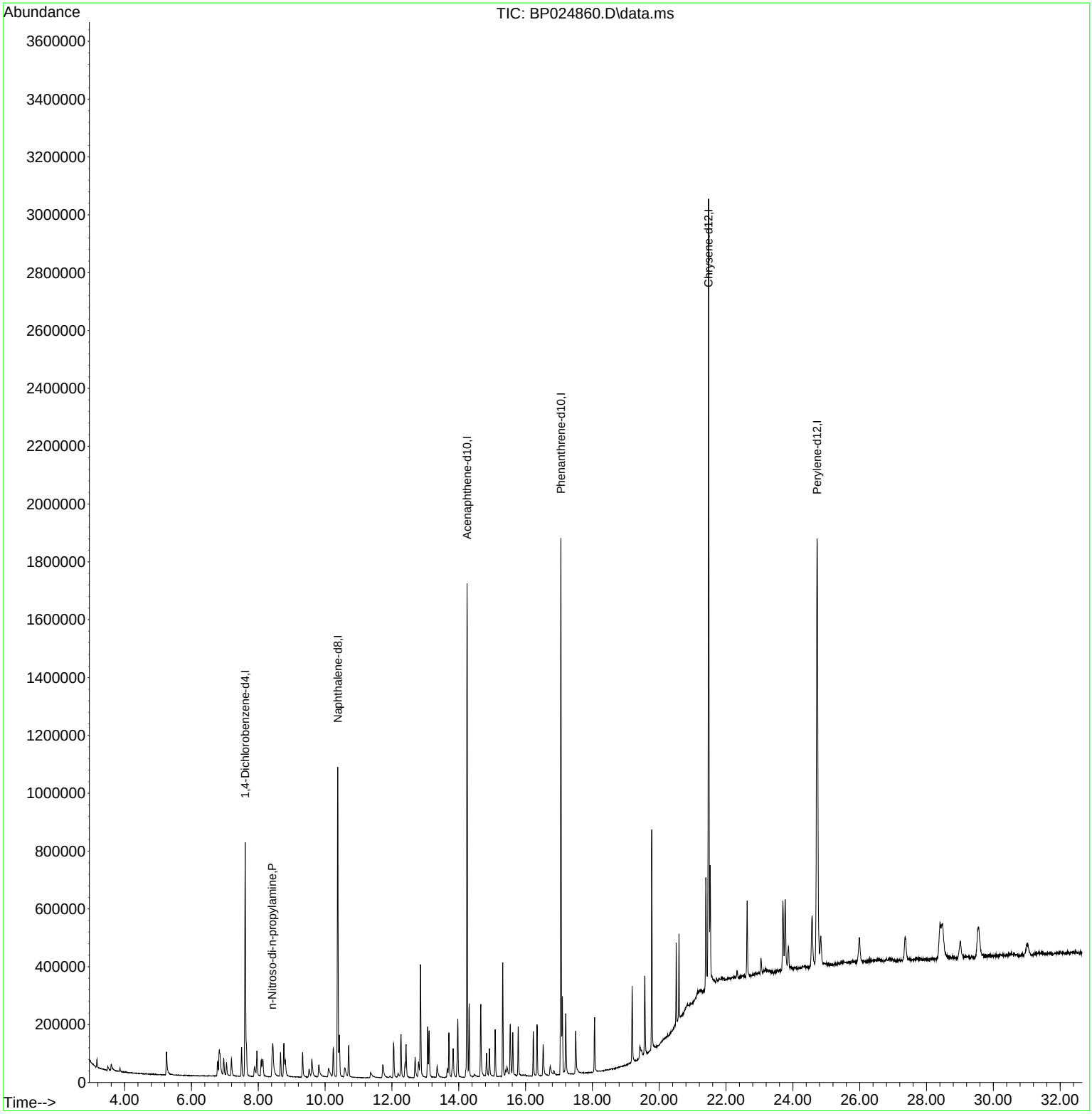
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	221050	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	909156	20.000	ng	0.00
39) Acenaphthene-d10	14.248	164	579004	20.000	ng	0.00
64) Phenanthrene-d10	17.060	188	1181298	20.000	ng	0.00
76) Chrysene-d12	21.477	240	1353951	20.000	ng	0.00
86) Perylene-d12	24.724	264	1640185	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...	8.413	70	27187	2.282	ng	98

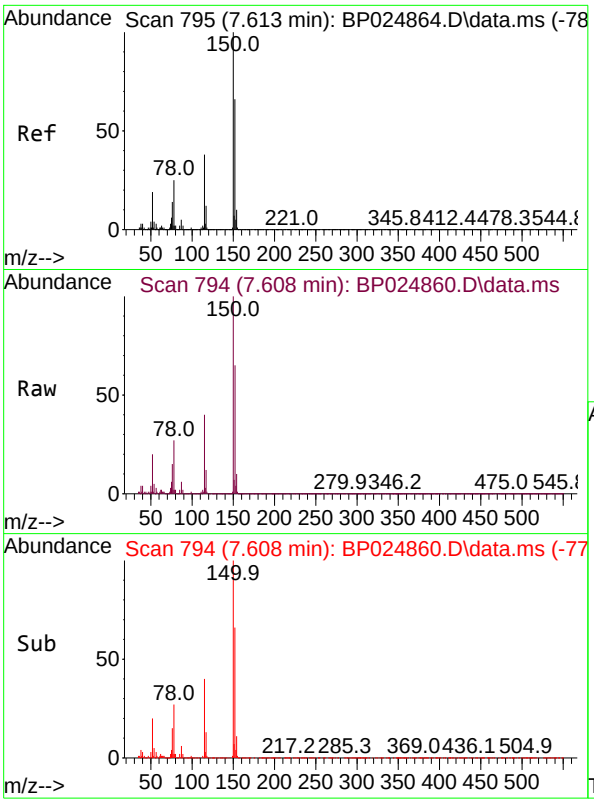
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024860.D
Acq On : 06 Jun 2025 10:30
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Jun 06 15:57:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration



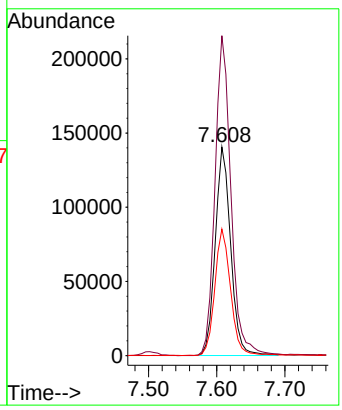


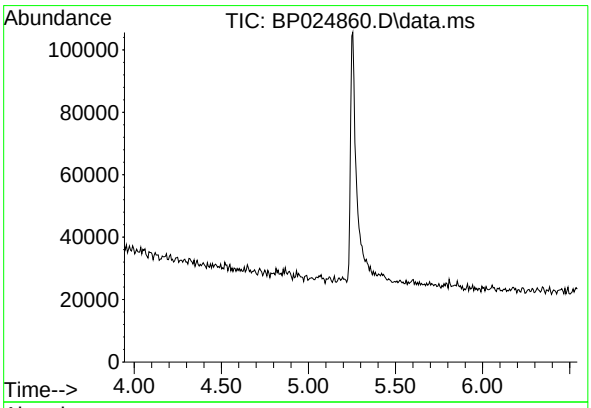
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 7
Delta R.T. -0.005 min
Lab File: BP024860.D
Acq: 06 Jun 2025 10:30

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 221050

Ion	Ratio	Lower	Upper
152	100		
150	153.5	122.1	183.1
115	60.6	46.4	69.6



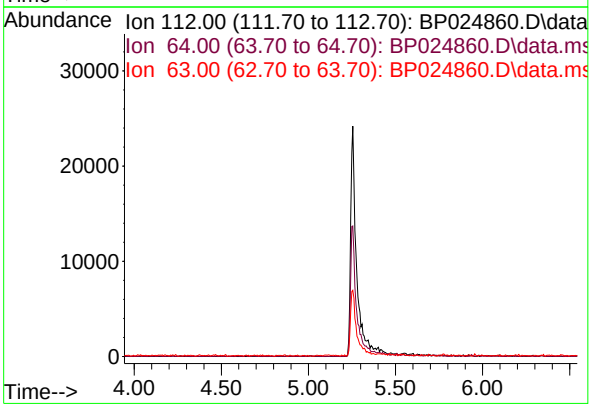


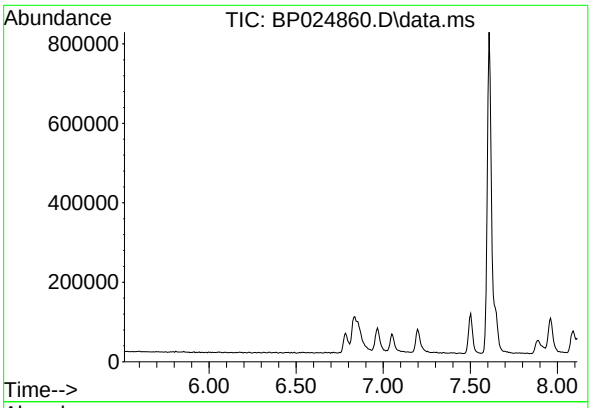
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.24 min

Lab File: BP024860.D
Acq: 06 Jun 2025 10:30

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	55.9
63	29.4





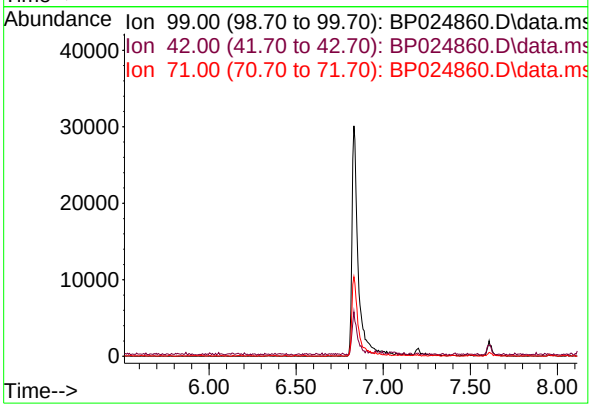
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.81 min

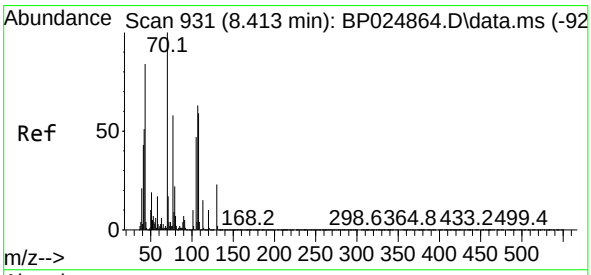
Lab File: BP024860.D
Acq: 06 Jun 2025 10:30

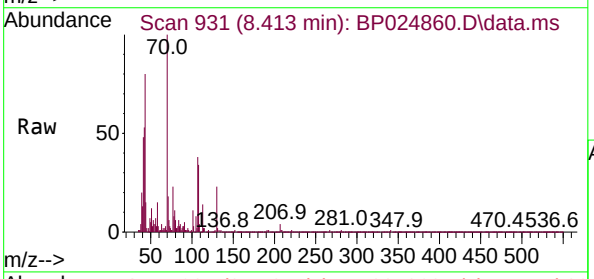
Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

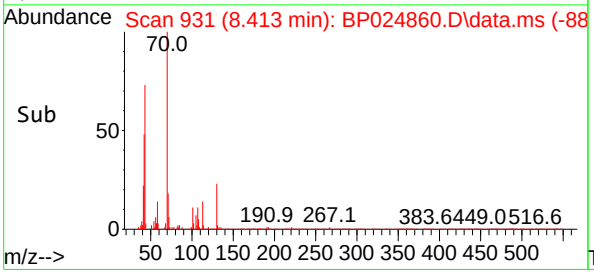
Tgt Ion: 99

Sig	Exp Ratio
99	100
42	16.8
71	34.5





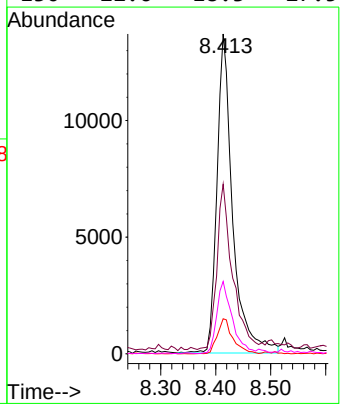


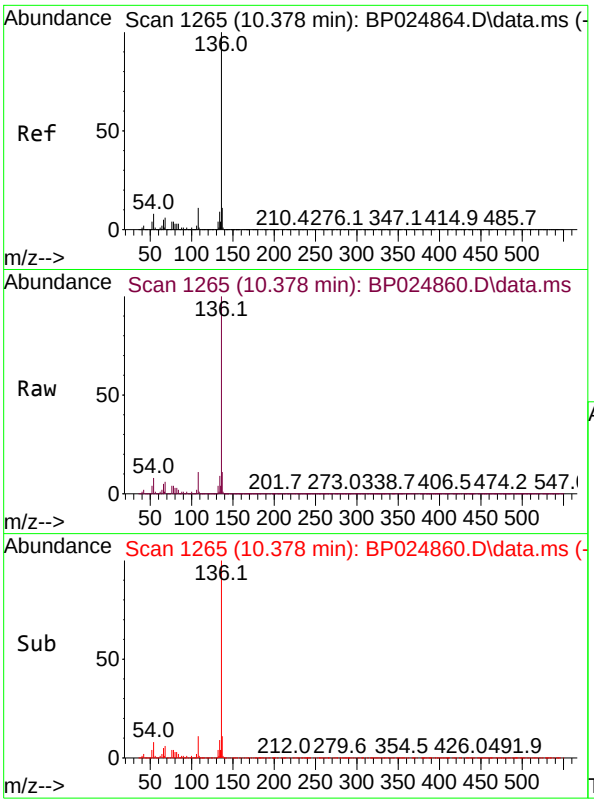


#19
n-Nitroso-di-n-propylamine
Concen: 2.282 ng
RT: 8.413 min Scan# 931
Delta R.T. 0.000 min
Lab File: BP024860.D
Acq: 06 Jun 2025 10:30

Tgt Ion: 70 Resp: 27187

Ion	Ratio	Lower	Upper
70	100		
42	53.0	41.2	61.8
101	11.0	8.3	12.5
130	22.6	18.3	27.5



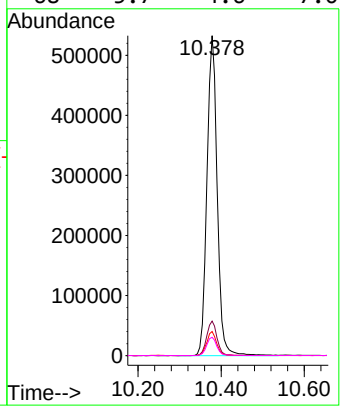


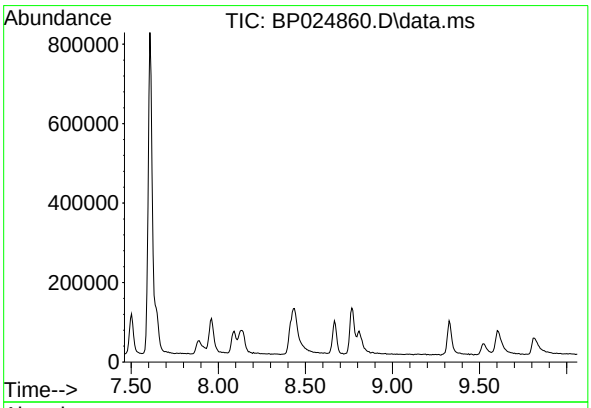
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024860.D
Acq: 06 Jun 2025 10:30

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 909156

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.5	6.1	9.1
68	5.7	4.6	7.0



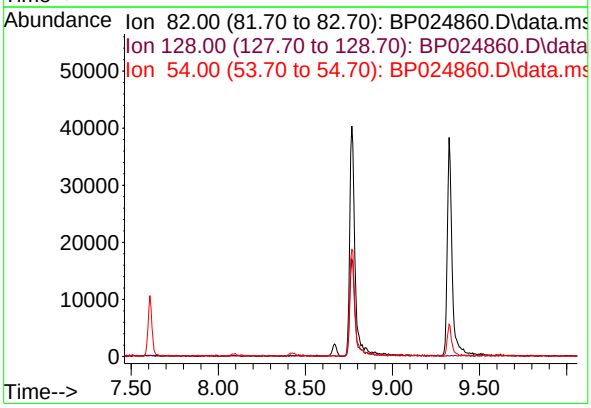


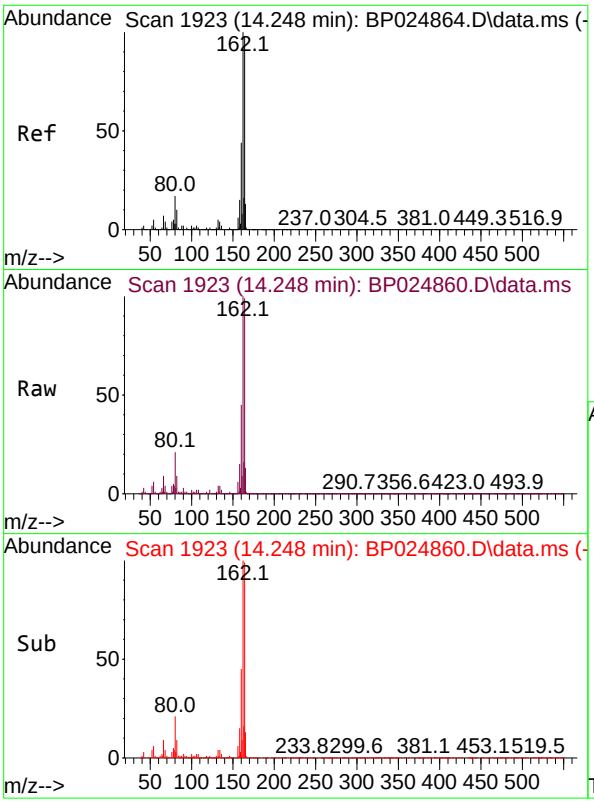
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 8.76 min

Lab File: BP024860.D
Acq: 06 Jun 2025 10:30

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	44.1
54	46.7



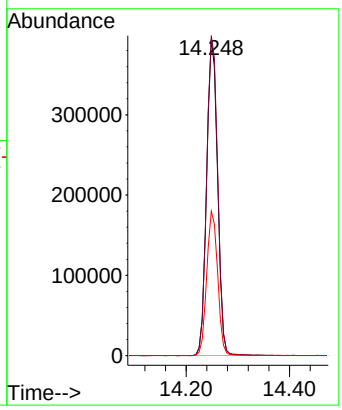


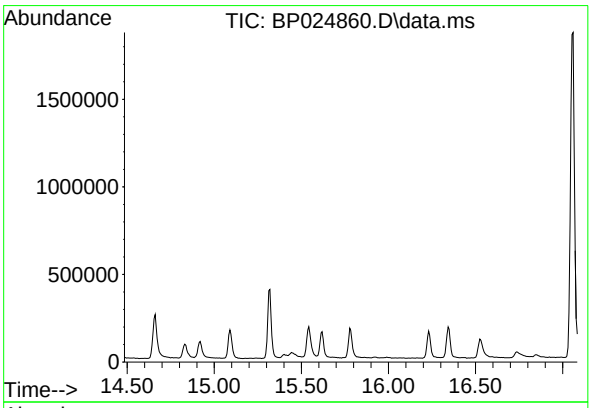
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.248 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP024860.D
Acq: 06 Jun 2025 10:30

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 579004

Ion	Ratio	Lower	Upper
164	100		
162	101.1	81.6	122.4
160	45.6	36.2	54.2



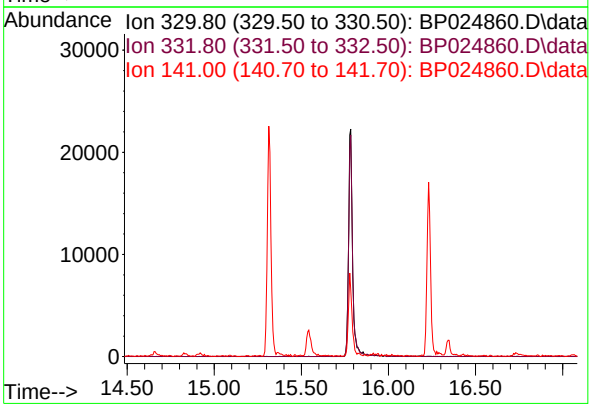


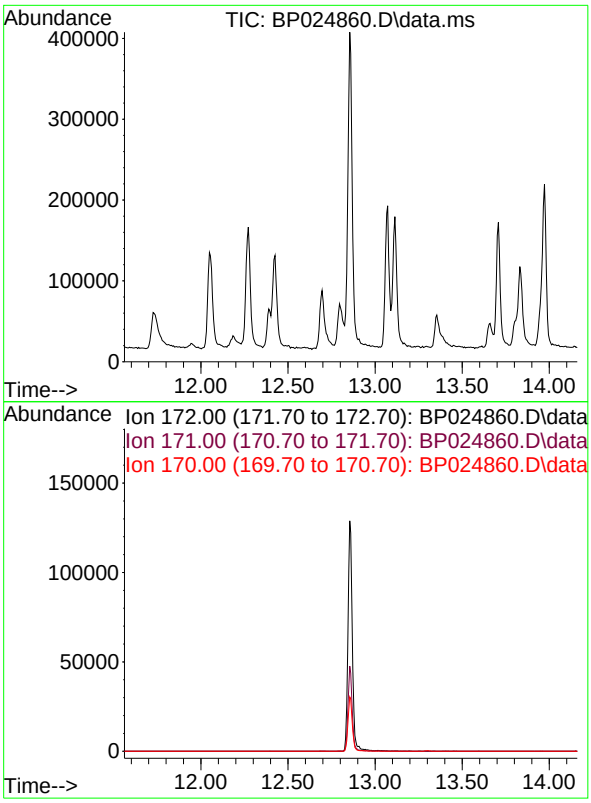
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.78 min

Lab File: BP024860.D
Acq: 06 Jun 2025 10:30

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	97.1
141	33.0





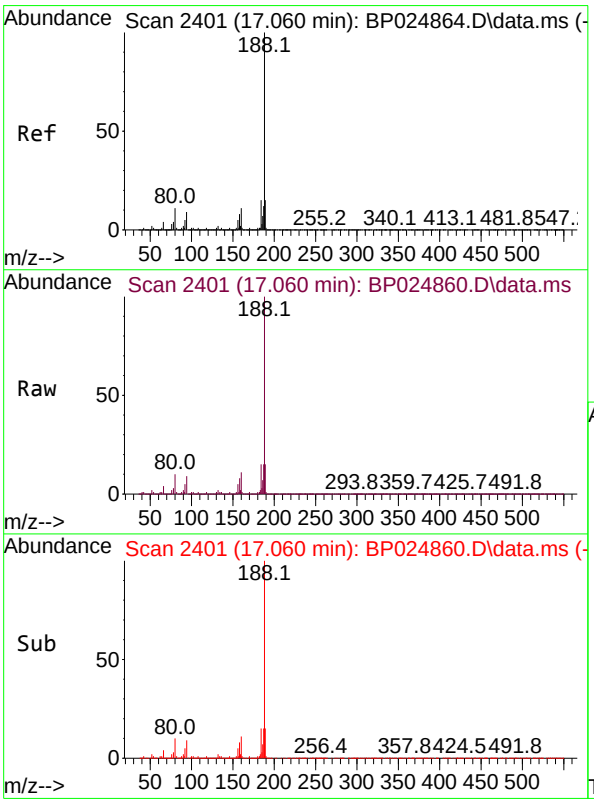
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 12.86 min

Lab File: BP024860.D
Acq: 06 Jun 2025 10:30

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

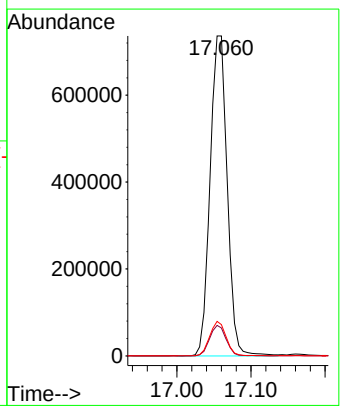
Sig	Exp Ratio
172	100
171	35.4
170	23.7

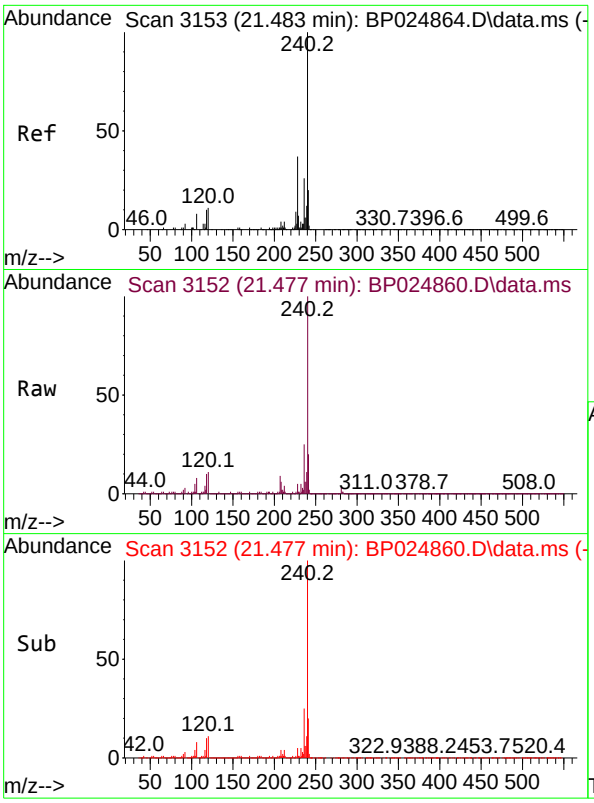


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.060 min Scan# 2401
Delta R.T. 0.000 min
Lab File: BP024860.D
Acq: 06 Jun 2025 10:30

Tgt Ion:188 Resp: 1181298

Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.3	10.9
80	9.8	8.5	12.7



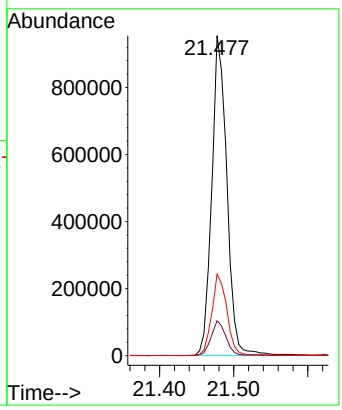


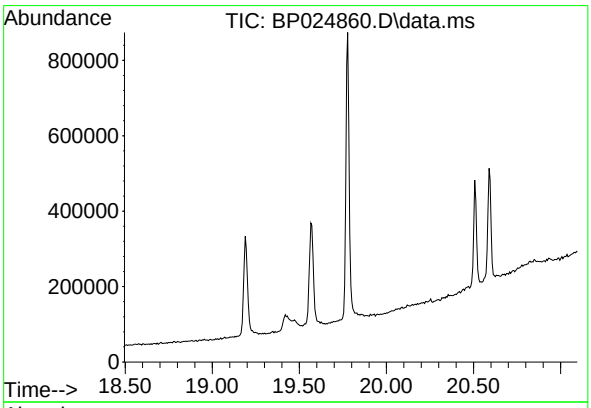
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.477 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP024860.D
Acq: 06 Jun 2025 10:30

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 1353951

Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.9	13.3
236	25.4	20.9	31.3



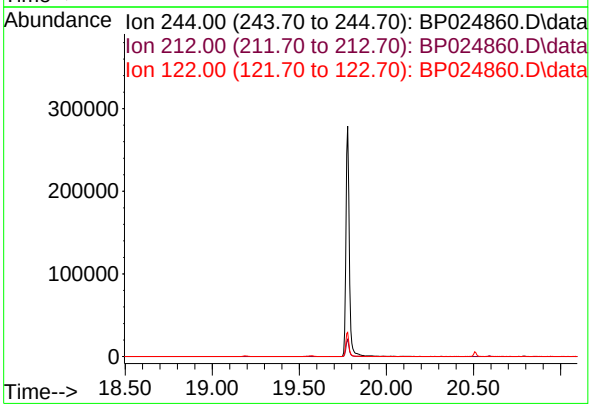


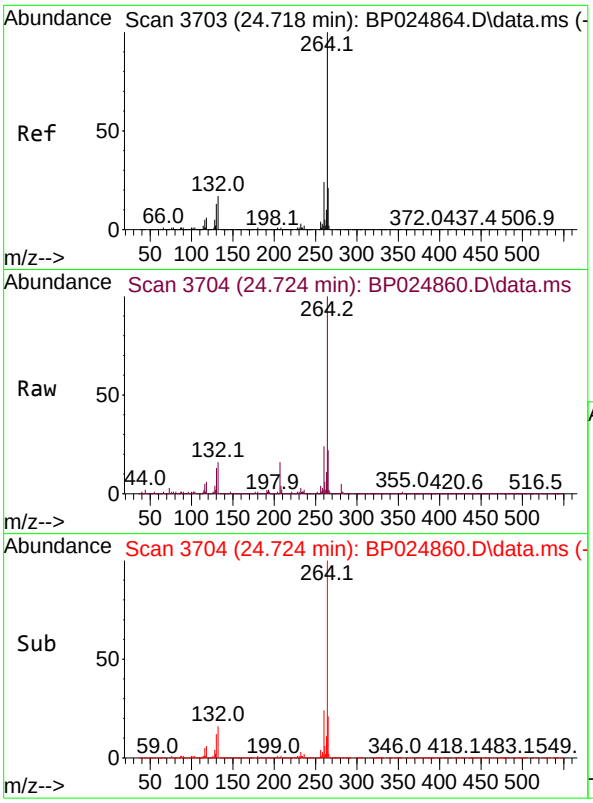
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.80 min

Lab File: BP024860.D
Acq: 06 Jun 2025 10:30

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.0
122	9.6



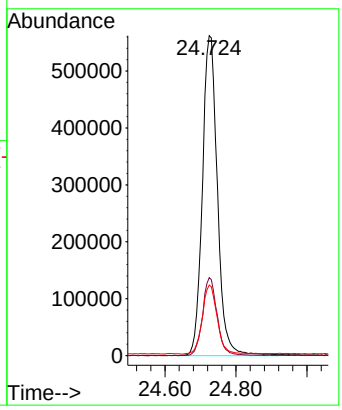


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.724 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024860.D
Acq: 06 Jun 2025 10:30

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 1640185

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.0	28.4
265	22.0	17.4	26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024861.D
Acq On : 06 Jun 2025 11:11
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

Quant Time: Jun 06 15:58:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	200188	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	863187	20.000	ng	0.00
39) Acenaphthene-d10	14.248	164	567242	20.000	ng	0.00
64) Phenanthrene-d10	17.048	188	1134887	20.000	ng	-0.01
76) Chrysene-d12	21.477	240	1194011	20.000	ng	0.00
86) Perylene-d12	24.724	264	1376894	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.249	112	112787	9.404	ng	0.00
7) Phenol-d6	6.831	99	150891	9.509	ng	0.02
23) Nitrobenzene-d5	8.760	82	175740	9.893	ng	0.00
42) 2,4,6-Tribromophenol	15.778	330	72727	9.274	ng	0.00
45) 2-Fluorobiphenyl	12.854	172	437483	10.390	ng	0.00
79) Terphenyl-d14	19.778	244	703502	10.560	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.167	88	28220	5.348	ng	99
3) Pyridine	3.590	79	57580	4.537	ng	90
6) Aniline	6.961	93	95932	4.737	ng	99
8) 2-Chlorophenol	7.196	128	66850	4.917	ng	98
10) Phenol	6.855	94	78090	4.774	ng	96
11) bis(2-Chloroethyl)ether	7.049	93	61139	4.752	ng	97
12) 1,3-Dichlorobenzene	7.502	146	78560	5.180	ng	99
13) 1,4-Dichlorobenzene	7.643	146	79892	5.221	ng	99
14) 1,2-Dichlorobenzene	7.960	146	76524	5.092	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.137	45	87492	5.196	ng	93
17) 2-Methylphenol	8.084	107	52716	4.615	ng	98
18) Hexachloroethane	8.672	117	29571	5.132	ng	94
19) n-Nitroso-di-n-propyla...	8.413	70	55096	5.108	ng	97
22) Acetophenone	8.437	105	109271	5.010	ng	96
24) Nitrobenzene	8.808	77	79033	5.008	ng	96
25) Isophorone	9.325	82	151837	4.932	ng	99
26) 2-Nitrophenol	9.519	139	33214	4.266	ng	94
27) 2,4-Dimethylphenol	9.596	122	63419	4.759	ng	94
28) bis(2-Chloroethoxy)met...	9.807	93	89295	4.862	ng	96
29) 2,4-Dichlorophenol	10.090	162	53164	4.158	ng	95
30) 1,2,4-Trichlorobenzene	10.249	180	72373	5.018	ng	99
31) Naphthalene	10.425	128	231024	5.223	ng	98
33) 4-Chloroaniline	10.572	127	85657	4.622	ng	99
34) Hexachlorobutadiene	10.707	225	43845	5.044	ng	98
36) 4-Chloro-3-methylphenol	11.719	107	67386	4.569	ng	99
37) 2-Methylnaphthalene	12.049	142	142250	5.070	ng	98
38) 1-Methylnaphthalene	12.266	142	155333	5.178	ng	97
40) 1,2,4,5-Tetrachloroben...	12.425	216	80613	5.008	ng	99
43) 2,4,6-Trichlorophenol	12.690	196	48501	4.487	ng	97
44) 2,4,5-Trichlorophenol	12.796	196	49421	4.269	ng	97
46) 1,1'-Biphenyl	13.072	154	209483	5.082	ng	96
47) 2-Chloronaphthalene	13.113	162	159251	5.026	ng	99
48) 2-Nitroaniline	13.348	65	40981	4.207	ng	99
49) Acenaphthylene	13.972	152	266639	5.047	ng	99
50) Dimethylphthalate	13.713	163	214893	5.136	ng	99
51) 2,6-Dinitrotoluene	13.831	165	42335	4.693	ng	93

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024861.D
Acq On : 06 Jun 2025 11:11
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

Quant Time: Jun 06 15:58:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52)	Acenaphthene	14.313	154	156832	5.181	ng		96
53)	3-Nitroaniline	14.190	138	37288	3.983	ng	#	90
55)	Dibenzofuran	14.660	168	257371	5.297	ng		100
57)	2,4-Dinitrotoluene	14.648	165	55352	4.387	ng	#	87
58)	Fluorene	15.319	166	203802	5.192	ng		99
59)	2,3,4,6-Tetrachlorophenol	14.907	232	48686m	4.699	ng		
60)	Diethylphthalate	15.090	149	212883	5.105	ng		98
61)	4-Chlorophenyl-phenyle...	15.319	204	100846	5.254	ng		97
62)	4-Nitroaniline	15.378	138	33952m	3.998	ng		
63)	Azobenzene	15.619	77	190856	4.990	ng		99
66)	n-Nitrosodiphenylamine	15.537	169	177845	5.056	ng		100
67)	4-Bromophenyl-phenylether	16.231	248	63678	4.973	ng		99
68)	Hexachlorobenzene	16.342	284	78966	5.087	ng		96
69)	Atrazine	16.519	200	60321	4.730	ng		98
71)	Phenanthrene	17.095	178	328431	5.237	ng		99
72)	Anthracene	17.195	178	320305	5.043	ng		99
73)	Carbazole	17.489	167	290344	4.932	ng		100
74)	Di-n-butylphthalate	18.060	149	334086	4.580	ng		99
75)	Fluoranthene	19.183	202	368810	5.074	ng		99
78)	Pyrene	19.560	202	389995	5.228	ng		99
80)	Butylbenzylphthalate	20.513	149	151685	4.439	ng		99
81)	Benzo(a)anthracene	21.460	228	391774	5.130	ng		99
83)	Chrysene	21.525	228	373726	5.165	ng		98
84)	Bis(2-ethylhexyl)phtha...	21.389	149	213559	4.362	ng		98
87)	Indeno(1,2,3-cd)pyrene	28.418	276	491160	4.889	ng	#	94
88)	Benzo(b)fluoranthene	23.707	252	379596	4.817	ng		98
89)	Benzo(k)fluoranthene	23.777	252	400877	4.998	ng		99
90)	Benzo(a)pyrene	24.571	252	377184	4.901	ng		100
91)	Dibenzo(a,h)anthracene	28.471	278	396286	4.846	ng		99
92)	Benzo(g,h,i)perylene	29.559	276	403533	4.974	ng		98

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

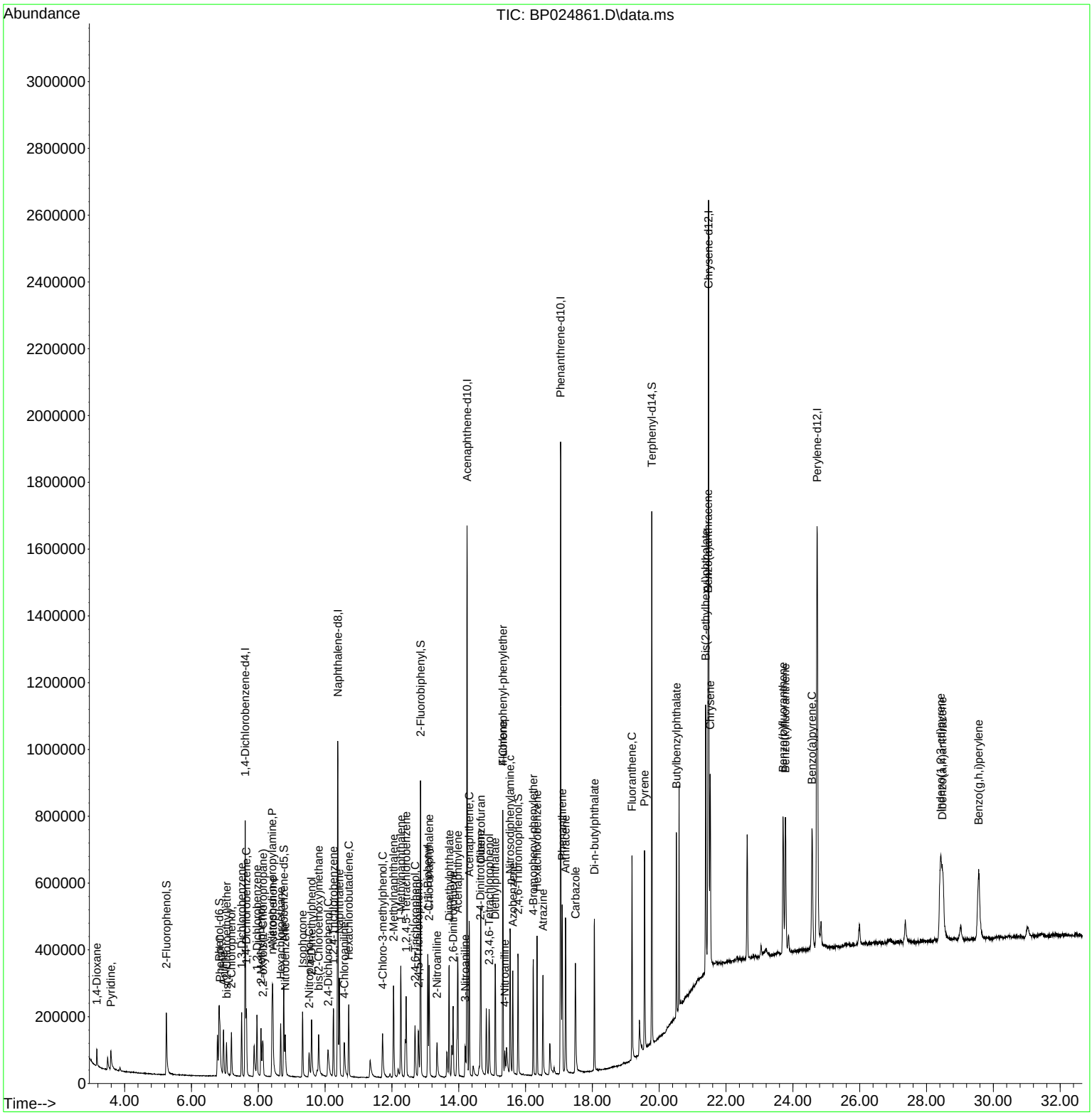
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024861.D
Acq On : 06 Jun 2025 11:11
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

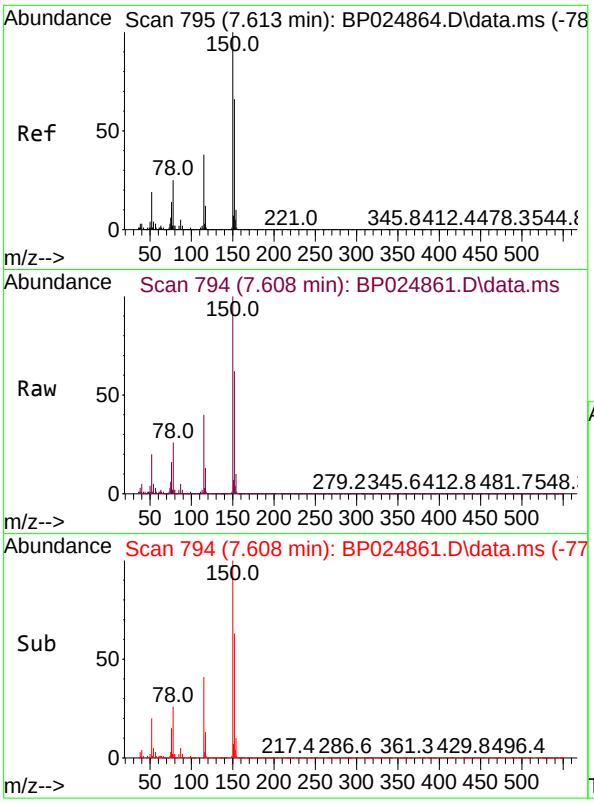
Quant Time: Jun 06 15:58:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

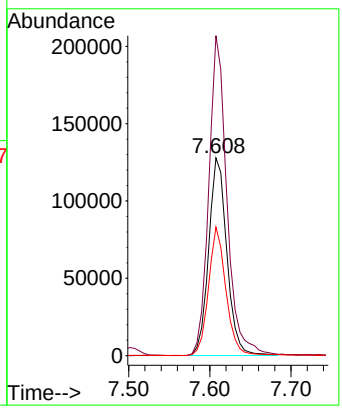




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 79
Delta R.T. -0.005 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:152 Resp: 200188

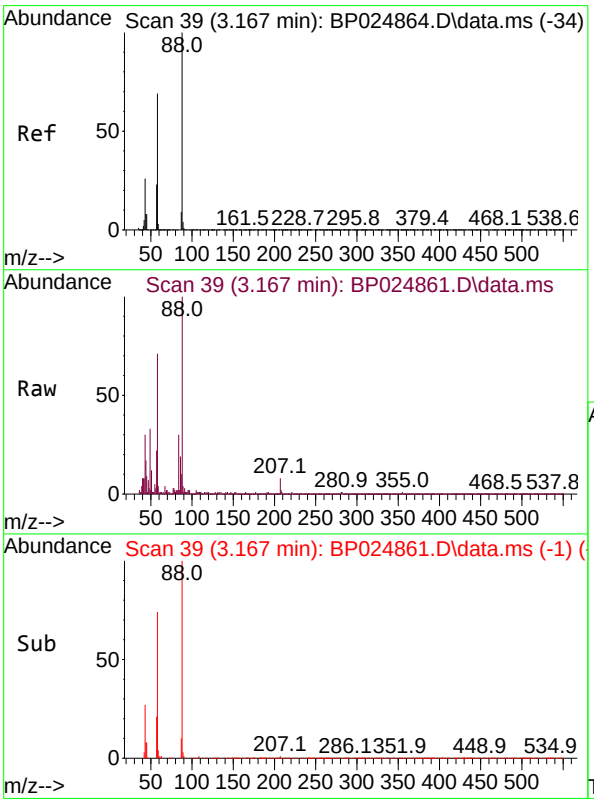
Ion	Ratio	Lower	Upper
152	100		
150	161.9	122.1	183.1
115	64.9	46.4	69.6



Instrument :
BNA_P
ClientSampleId :
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Manual Integrations APPROVED

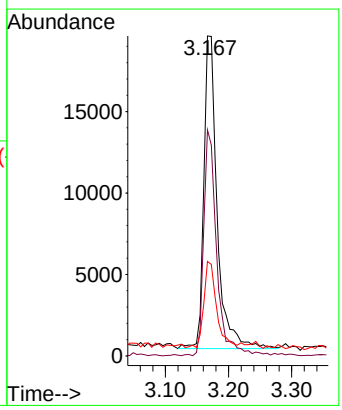
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

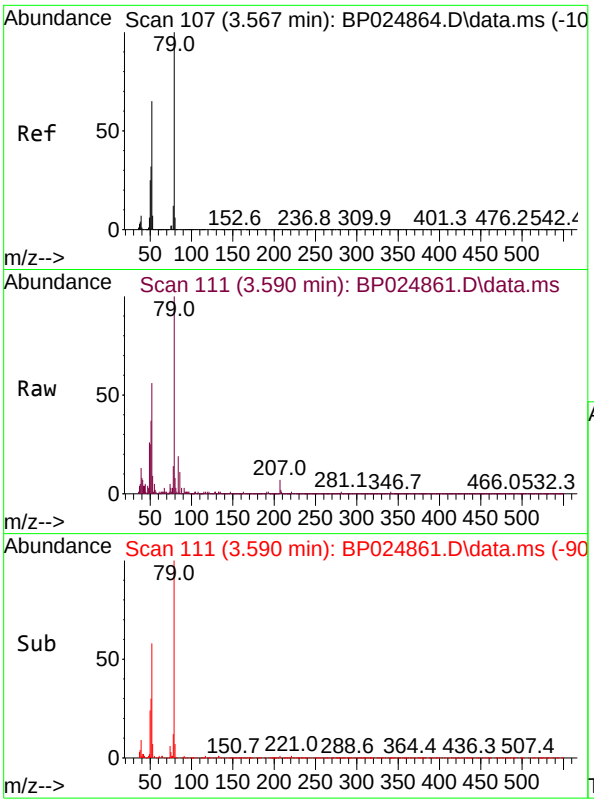


#2
1,4-Dioxane
Concen: 5.348 ng
RT: 3.167 min Scan# 39
Delta R.T. 0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion: 88 Resp: 28220

Ion	Ratio	Lower	Upper
88	100		
58	70.2	55.4	83.0
43	25.7	20.8	31.2

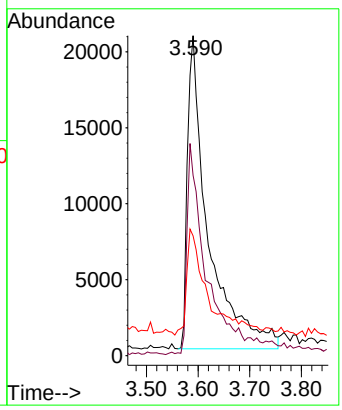




#3
Pyridine
Concen: 4.537 ng
RT: 3.590 min Scan# 11
Delta R.T. 0.024 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion: 79 Resp: 5758

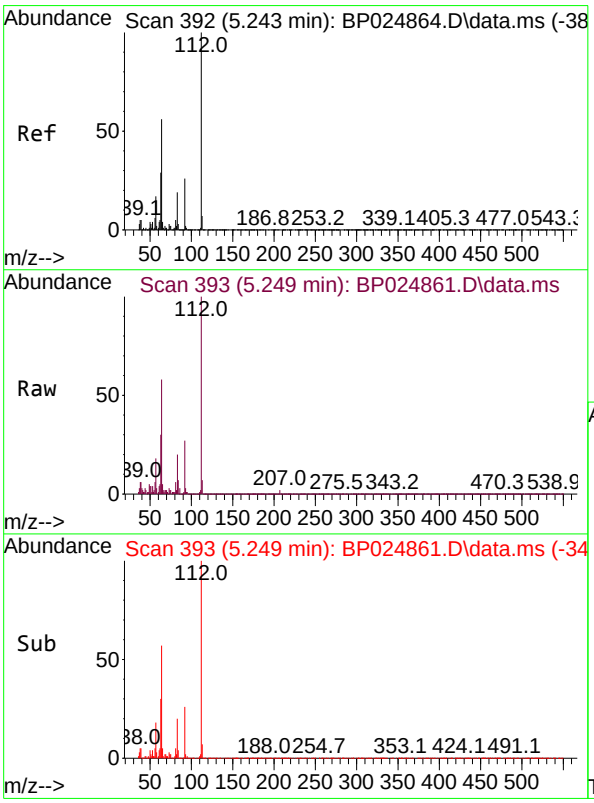
Ion	Ratio	Lower	Upper
79	100		
52	56.3	51.6	77.4
51	37.4	25.5	38.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

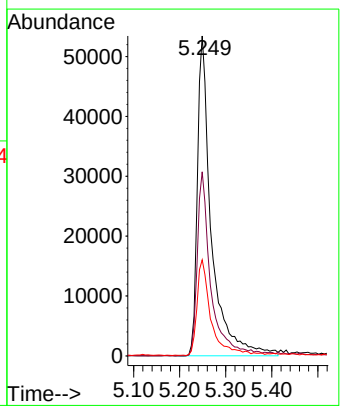
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

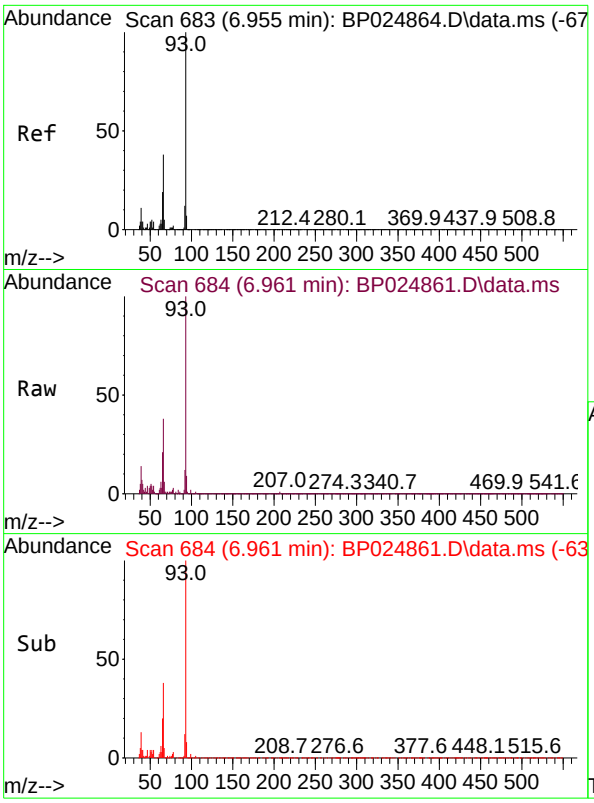


#5
2-Fluorophenol
Concen: 9.404 ng
RT: 5.249 min Scan# 393
Delta R.T. 0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:112 Resp: 112787

Ion	Ratio	Lower	Upper
112	100		
64	57.5	44.7	67.1
63	30.0	23.5	35.3

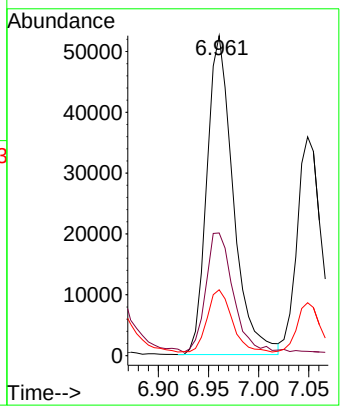




#6
Aniline
Concen: 4.737 ng
RT: 6.961 min Scan# 68
Delta R.T. 0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion: 93 Resp: 9593

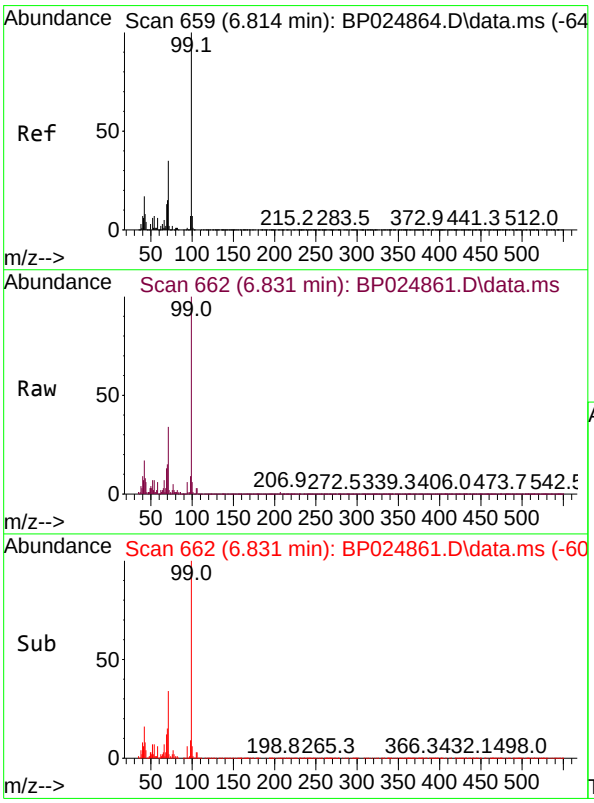
Ion	Ratio	Lower	Upper
93	100		
66	38.3	30.9	46.3
65	20.6	15.5	23.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

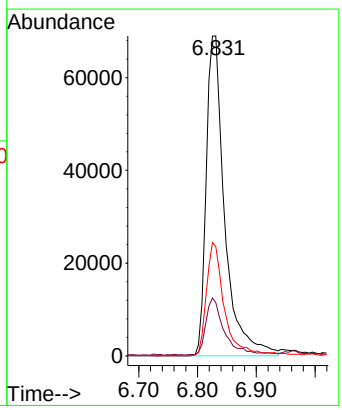
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

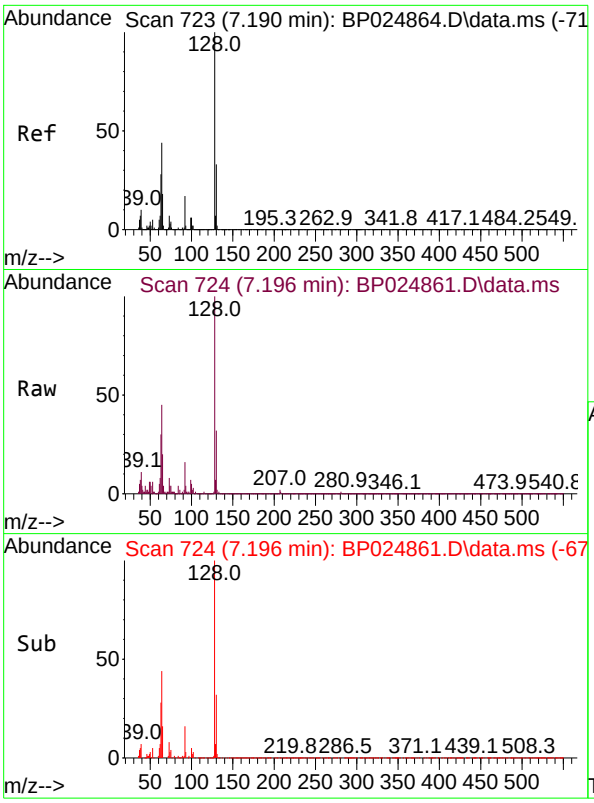


#7
Phenol-d6
Concen: 9.509 ng
RT: 6.831 min Scan# 662
Delta R.T. 0.018 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion: 99 Resp: 150891

Ion	Ratio	Lower	Upper
99	100		
42	16.7	13.4	20.2
71	34.1	27.6	41.4

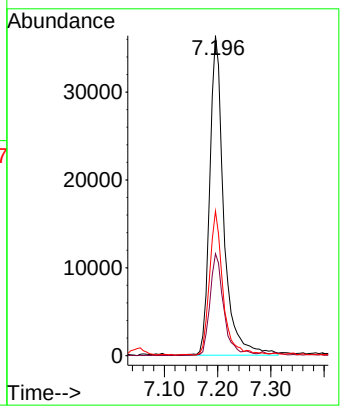




#8
2-Chlorophenol
Concen: 4.917 ng
RT: 7.196 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:128 Resp: 6685

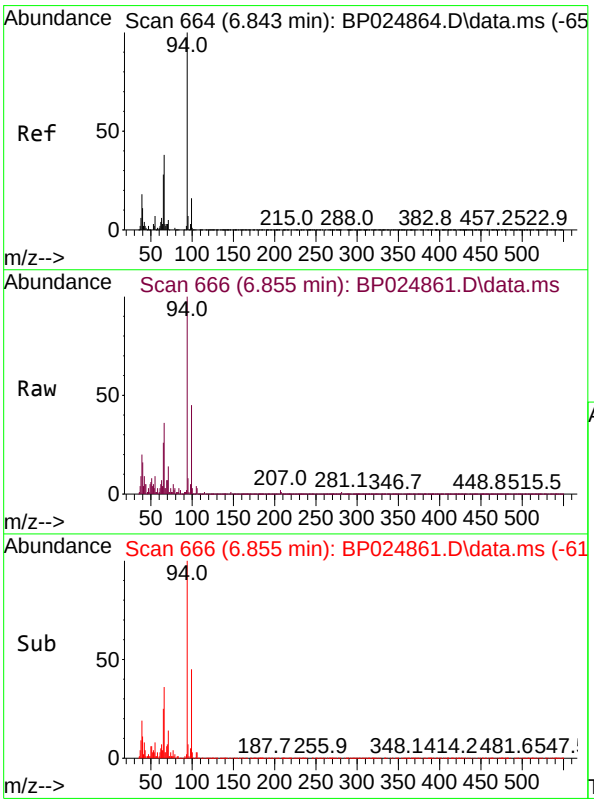
Ion	Ratio	Lower	Upper
128	100		
130	31.8	12.6	52.6
64	45.2	24.1	64.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

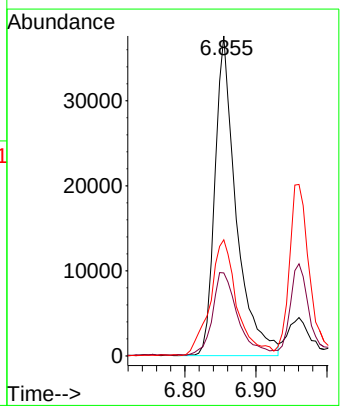
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

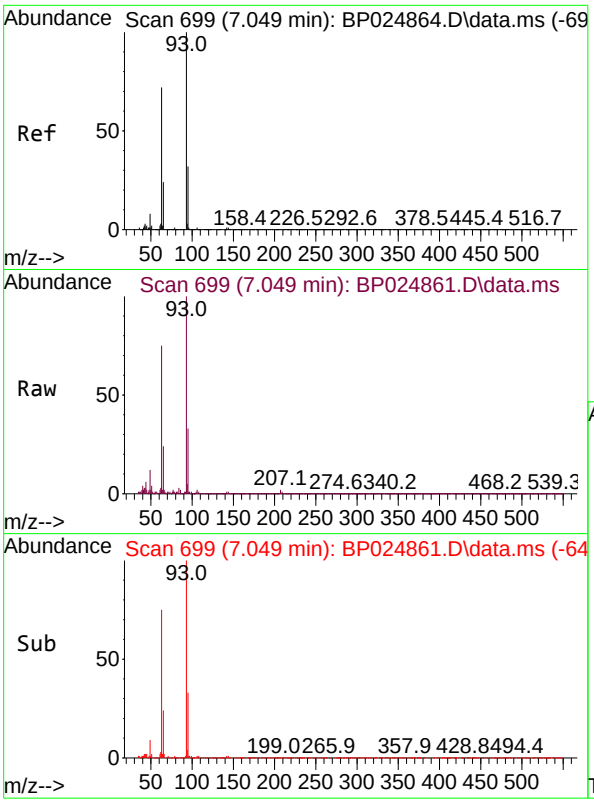


#10
Phenol
Concen: 4.774 ng
RT: 6.855 min Scan# 666
Delta R.T. 0.012 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion: 94 Resp: 78090

Ion	Ratio	Lower	Upper
94	100		
65	25.9	8.3	48.3
66	36.3	18.2	58.2

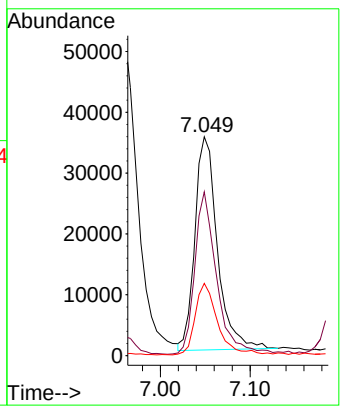




#11
bis(2-Chloroethyl)ether
Concen: 4.752 ng
RT: 7.049 min Scan# 69
Delta R.T. 0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion: 93 Resp: 6113

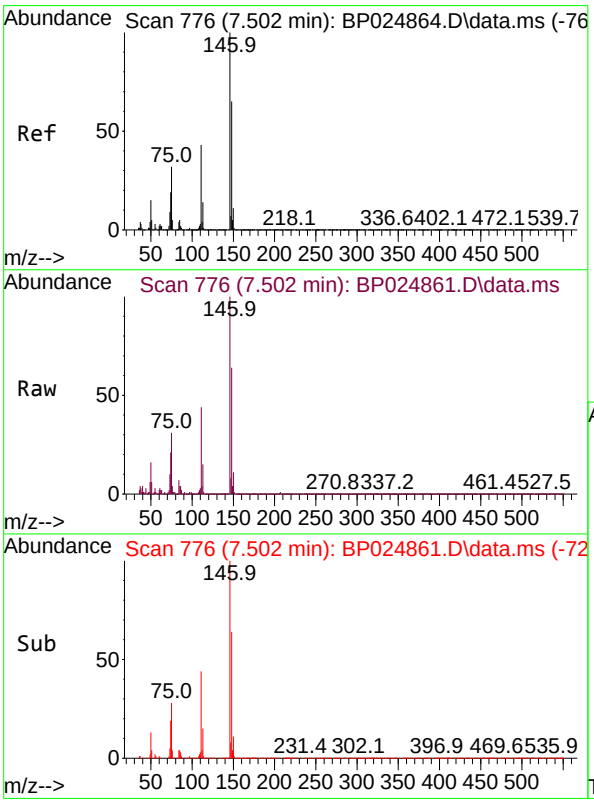
Ion	Ratio	Lower	Upper
93	100		
63	74.9	51.6	91.6
95	33.0	12.1	52.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

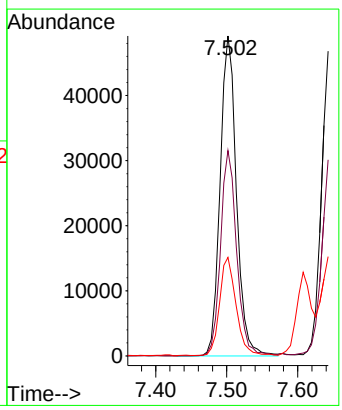
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

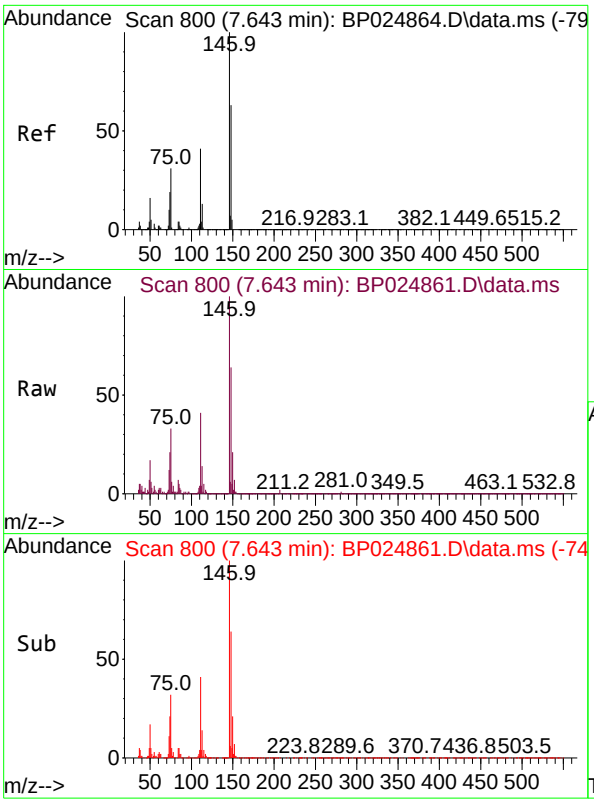


#12
1,3-Dichlorobenzene
Concen: 5.180 ng
RT: 7.502 min Scan# 776
Delta R.T. 0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:146 Resp: 78560

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.8	77.8
75	30.8	25.3	37.9

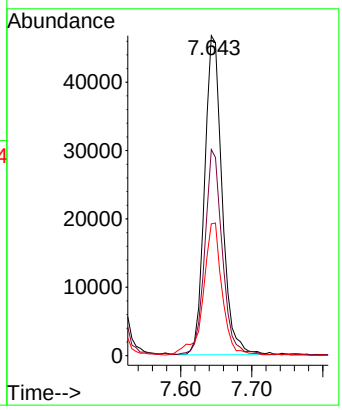




#13
1,4-Dichlorobenzene
Concen: 5.221 ng
RT: 7.643 min Scan# 80
Delta R.T. 0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:146 Resp: 7989

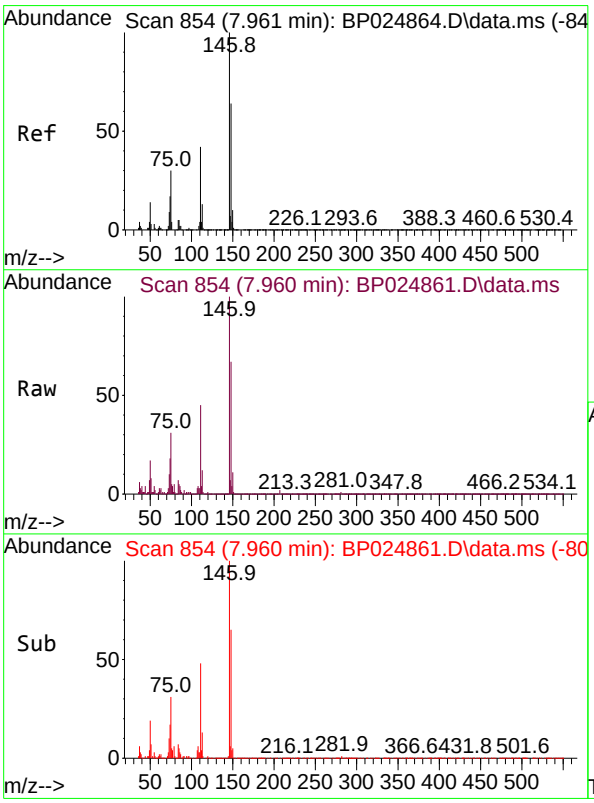
Ion	Ratio	Lower	Upper
146	100		
148	64.4	50.8	76.2
111	41.2	32.7	49.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

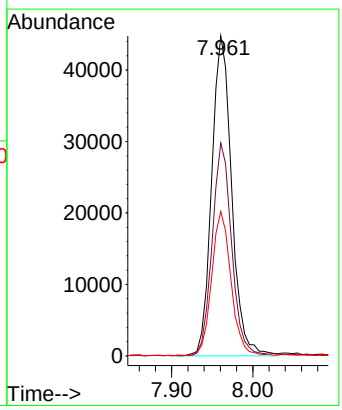
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

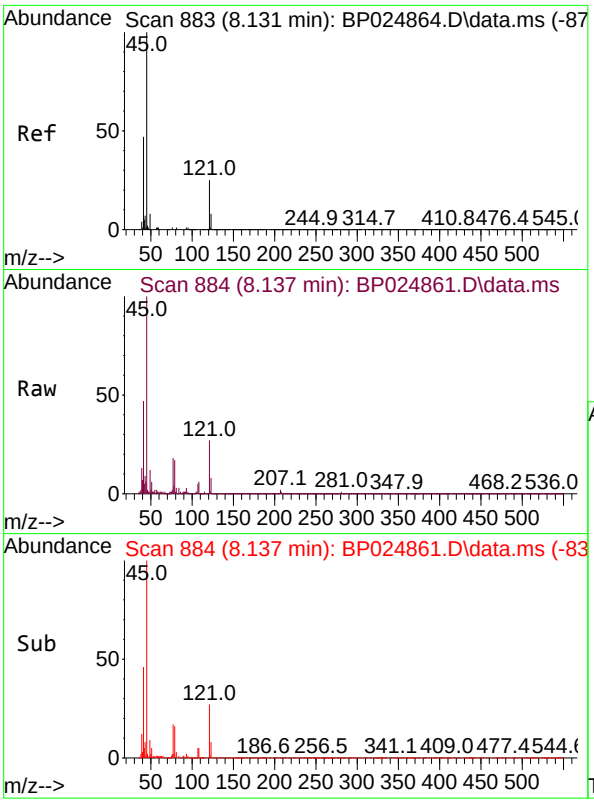


#14
1,2-Dichlorobenzene
Concen: 5.092 ng
RT: 7.960 min Scan# 854
Delta R.T. -0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:146 Resp: 76524

Ion	Ratio	Lower	Upper
146	100		
148	66.5	51.0	76.4
111	45.1	33.8	50.8





#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.196 ng
RT: 8.137 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

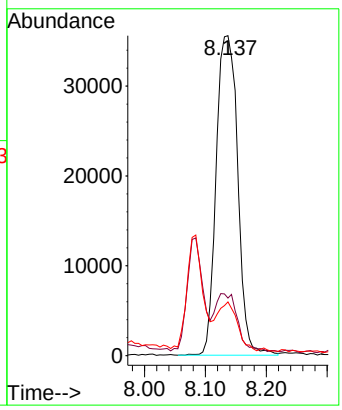
Tgt Ion: 45 Resp: 8749

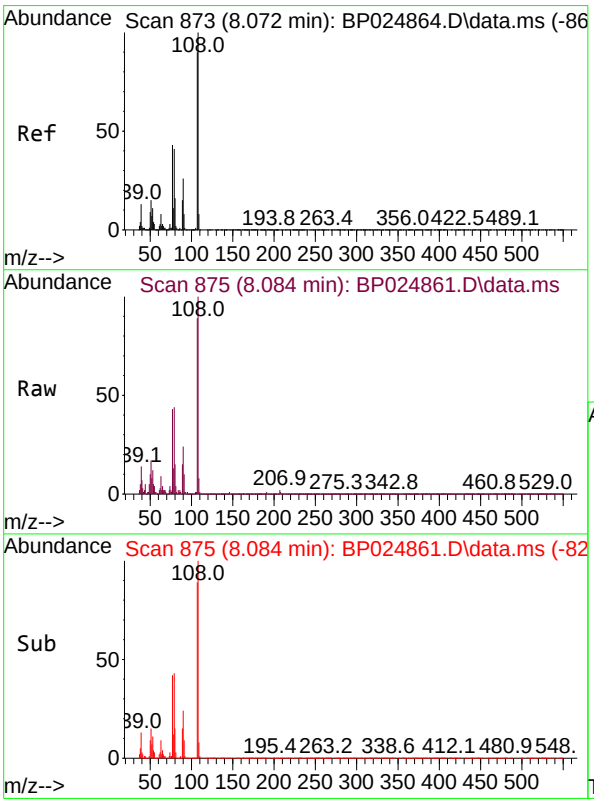
Ion	Ratio	Lower	Upper
45	100		
77	18.0	0.0	36.3
79	16.8	0.0	32.2

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

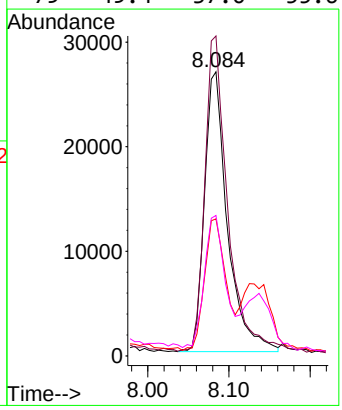


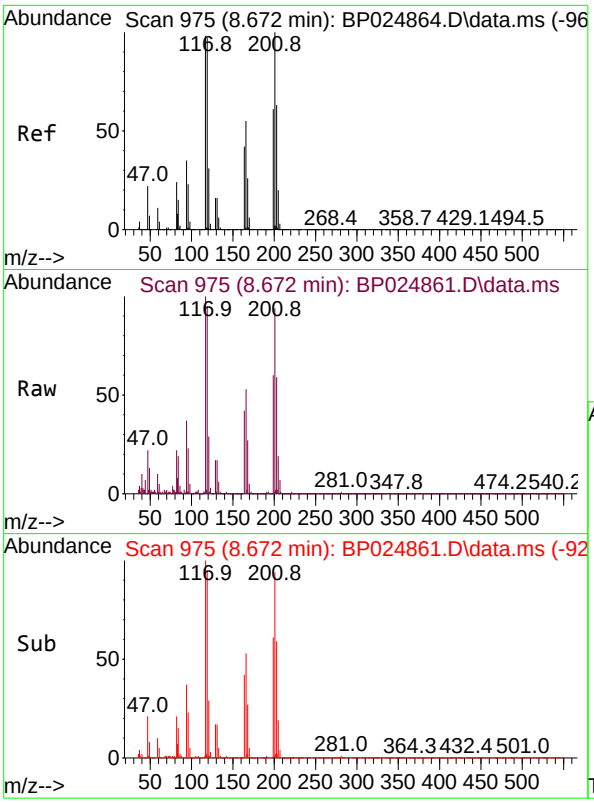


#17
2-Methylphenol
Concen: 4.615 ng
RT: 8.084 min Scan# 875
Delta R.T. 0.012 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:107 Resp: 52716

Ion	Ratio	Lower	Upper
107	100		
108	112.6	88.6	132.8
77	48.3	38.5	57.7
79	49.4	37.0	55.6

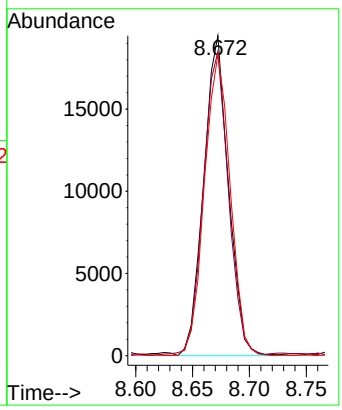




#18
Hexachloroethane
Concen: 5.132 ng
RT: 8.672 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:117 Resp: 2957

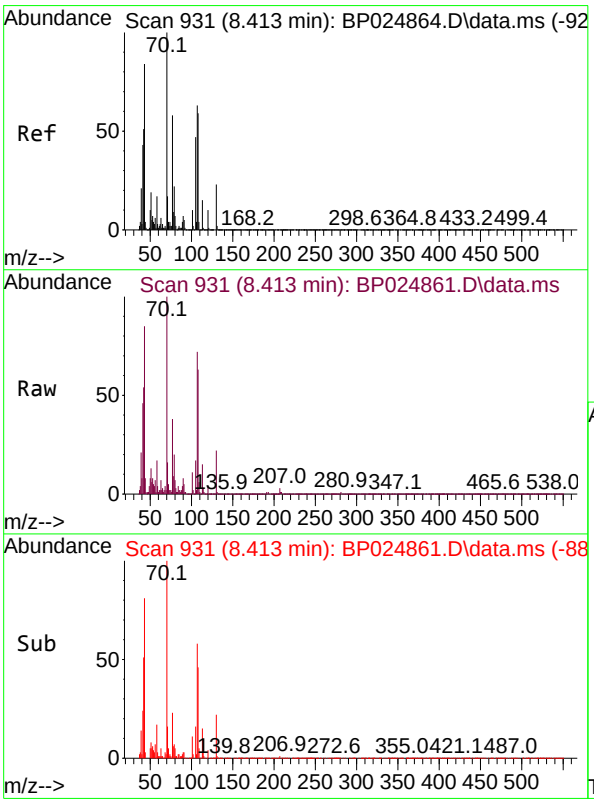
Ion	Ratio	Lower	Upper
117	100		
119	95.0	79.4	119.2
201	94.1	81.4	122.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

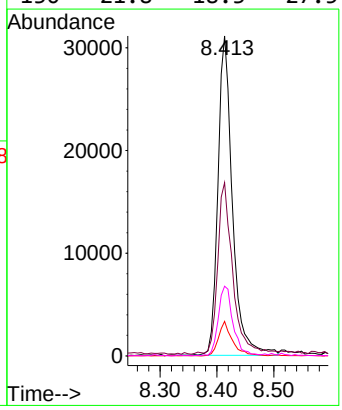
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

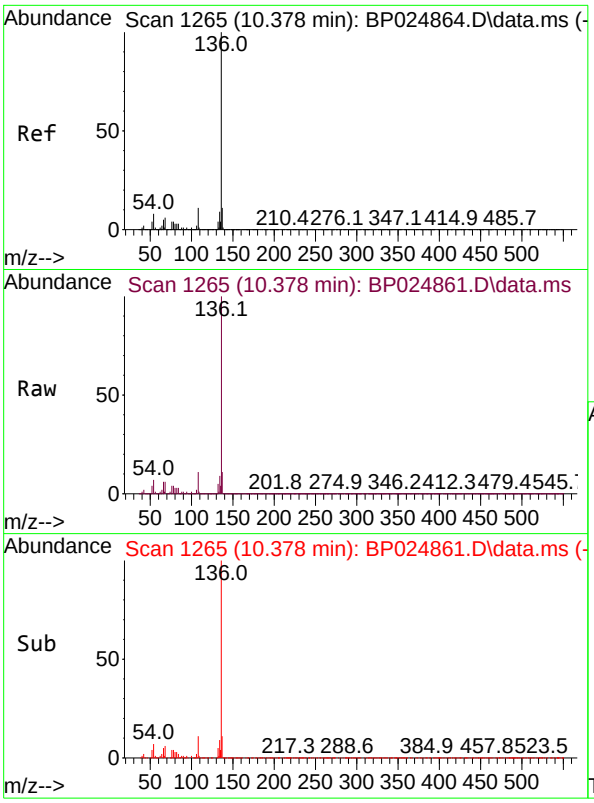


#19
n-Nitroso-di-n-propylamine
Concen: 5.108 ng
RT: 8.413 min Scan# 931
Delta R.T. 0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion: 70 Resp: 55096

Ion	Ratio	Lower	Upper
70	100		
42	54.1	41.2	61.8
101	10.8	8.3	12.5
130	21.8	18.3	27.5

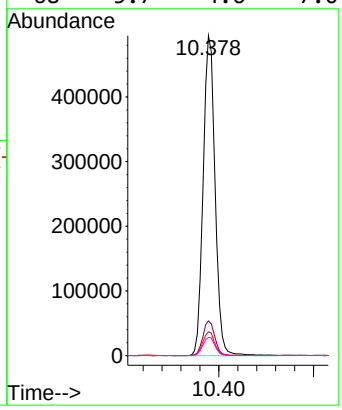




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:136 Resp: 86318

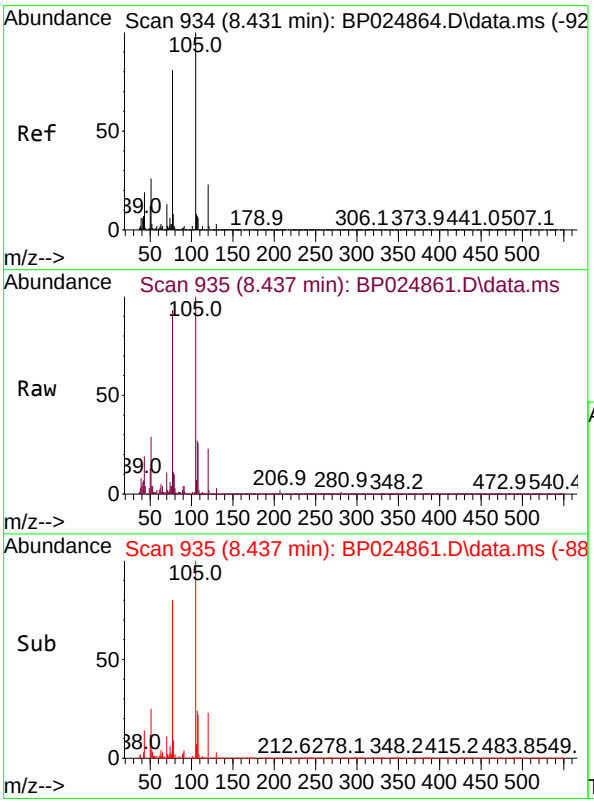
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.4	6.1	9.1
68	5.7	4.6	7.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

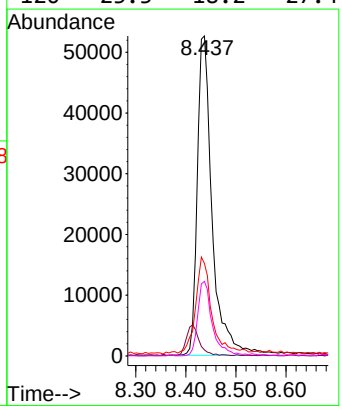
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

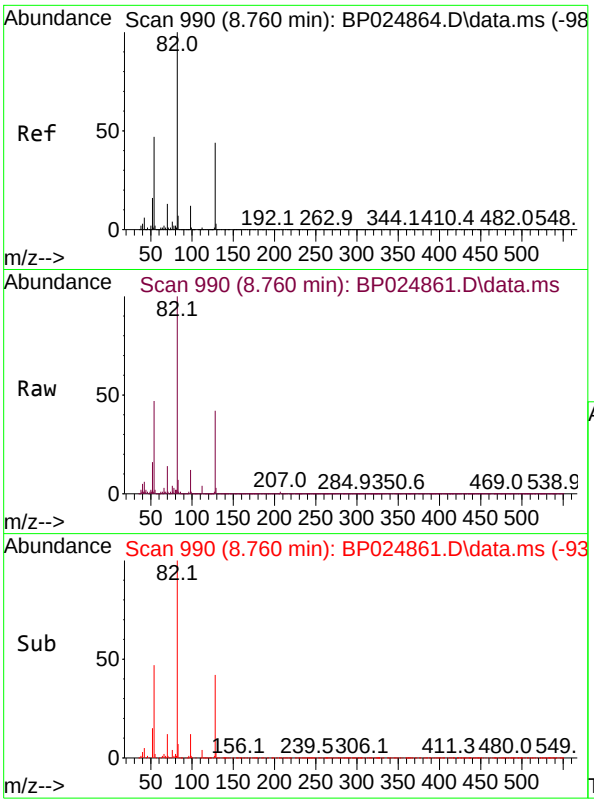


#22
Acetophenone
Concen: 5.010 ng
RT: 8.437 min Scan# 935
Delta R.T. 0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:105 Resp: 109271

Ion	Ratio	Lower	Upper
105	100		
71	1.9	1.6	2.4
51	28.9	20.6	31.0
120	23.3	18.2	27.4

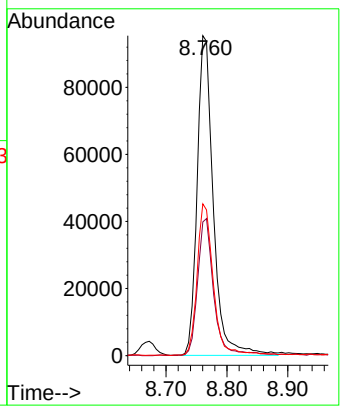




#23
Nitrobenzene-d5
Concen: 9.893 ng
RT: 8.760 min Scan# 99
Delta R.T. 0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion: 82 Resp: 175746

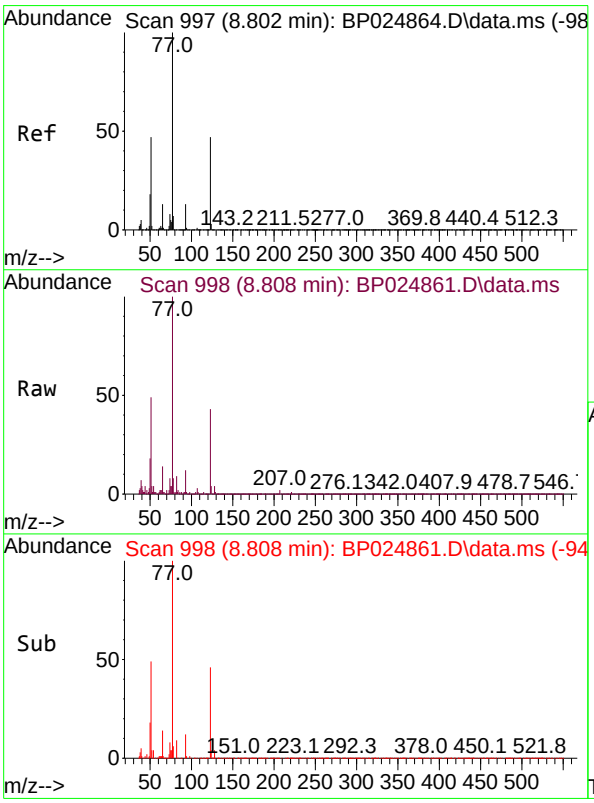
Ion	Ratio	Lower	Upper
82	100		
128	41.8	35.3	52.9
54	47.4	37.4	56.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

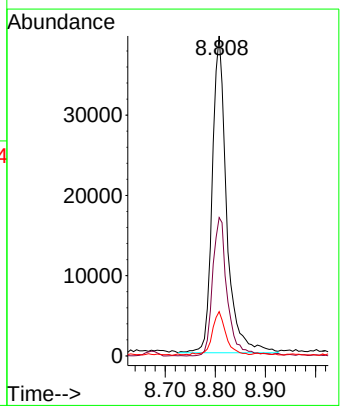
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

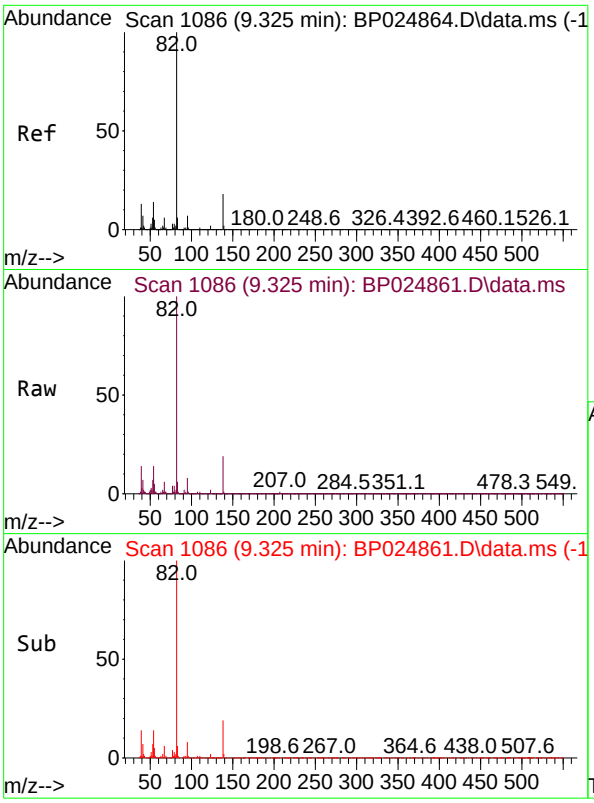


#24
Nitrobenzene
Concen: 5.008 ng
RT: 8.808 min Scan# 998
Delta R.T. 0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion: 77 Resp: 79033

Ion	Ratio	Lower	Upper
77	100		
123	43.2	37.3	55.9
65	13.8	10.8	16.2





#25
Isophorone
Concen: 4.932 ng
RT: 9.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

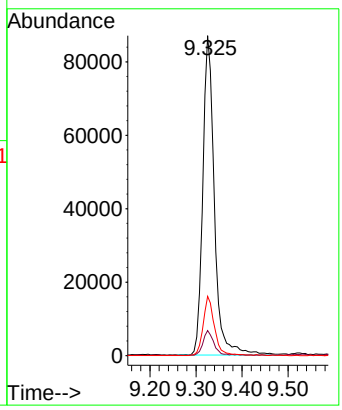
Tgt Ion: 82 Resp: 15183

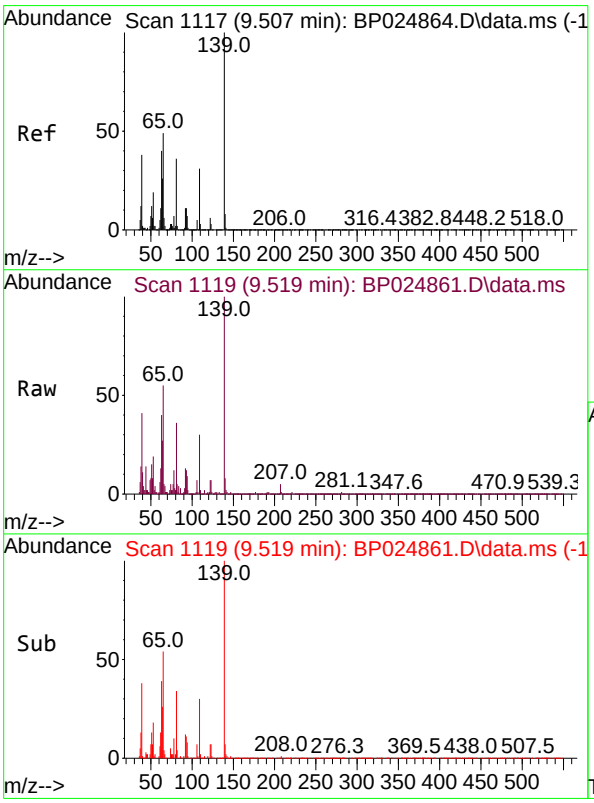
Ion	Ratio	Lower	Upper
82	100		
95	7.8	5.9	8.9
138	18.5	14.6	21.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

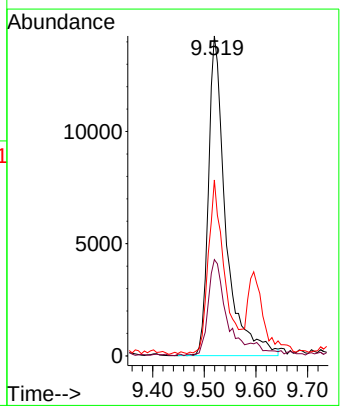


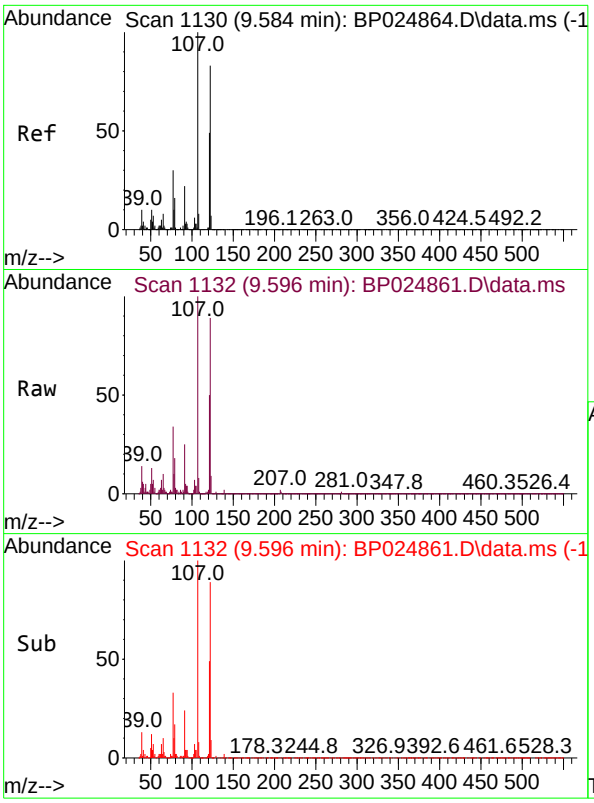


#26
2-Nitrophenol
Concen: 4.266 ng
RT: 9.519 min Scan# 1119
Delta R.T. 0.012 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:139 Resp: 33214

Ion	Ratio	Lower	Upper
139	100		
109	30.1	24.6	37.0
65	55.0	39.5	59.3

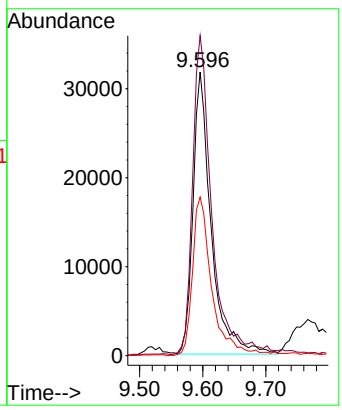




#27
2,4-Dimethylphenol
Concen: 4.759 ng
RT: 9.596 min Scan# 11
Delta R.T. 0.012 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:122 Resp: 6341

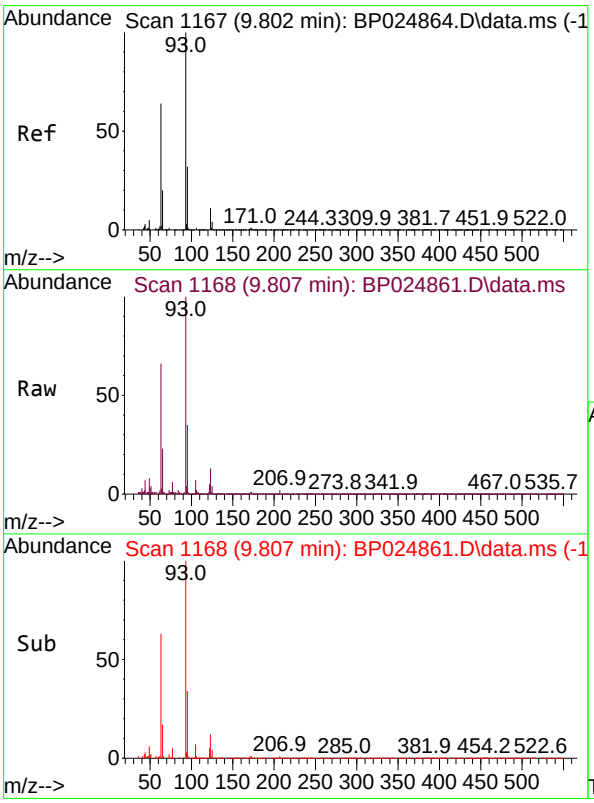
Ion	Ratio	Lower	Upper
122	100		
107	112.8	96.2	144.4
121	55.9	47.0	70.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

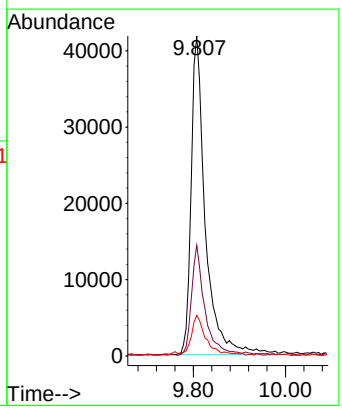
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

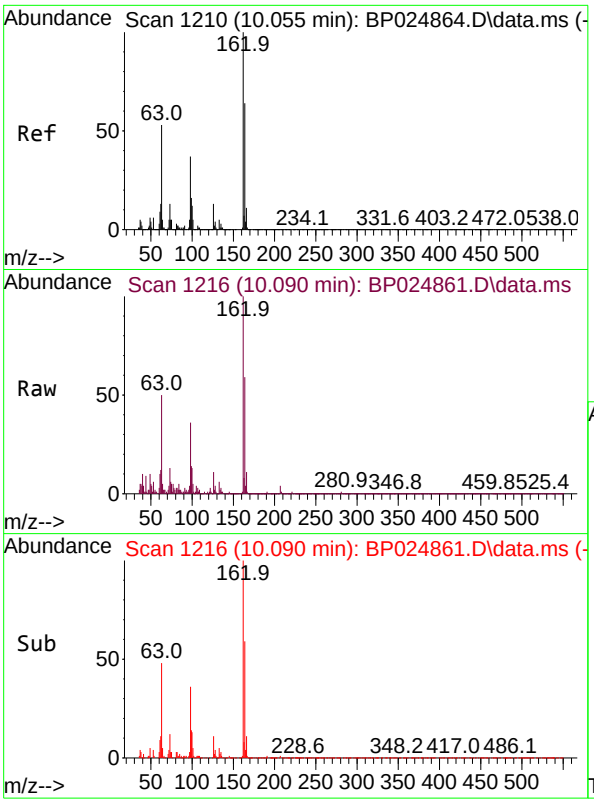


#28
bis(2-Chloroethoxy)methane
Concen: 4.862 ng
RT: 9.807 min Scan# 1168
Delta R.T. 0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion: 93 Resp: 89295

Ion	Ratio	Lower	Upper
93	100		
95	34.6	25.5	38.3
123	12.6	9.2	13.8





#29
2,4-Dichlorophenol
Concen: 4.158 ng
RT: 10.090 min Scan# 1
Delta R.T. 0.035 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

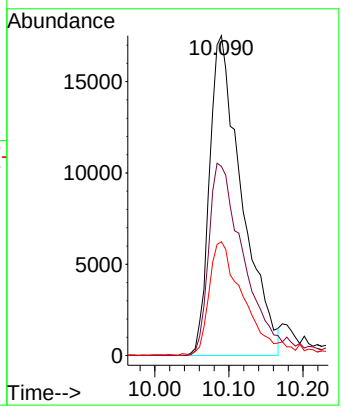
Tgt Ion:162 Resp: 5316

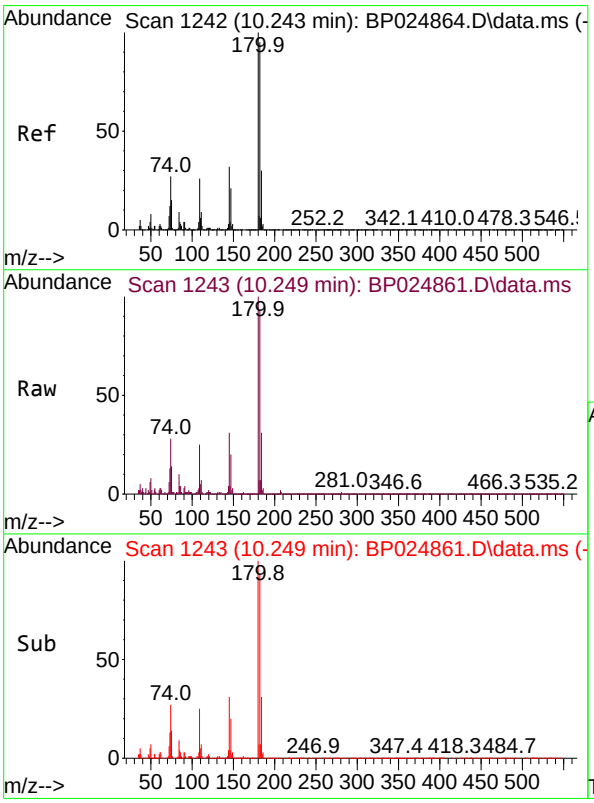
Ion	Ratio	Lower	Upper
162	100		
164	59.1	44.0	84.0
98	35.6	16.9	56.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

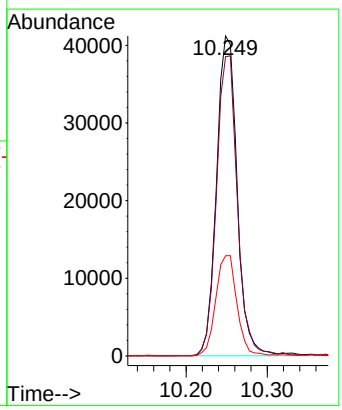


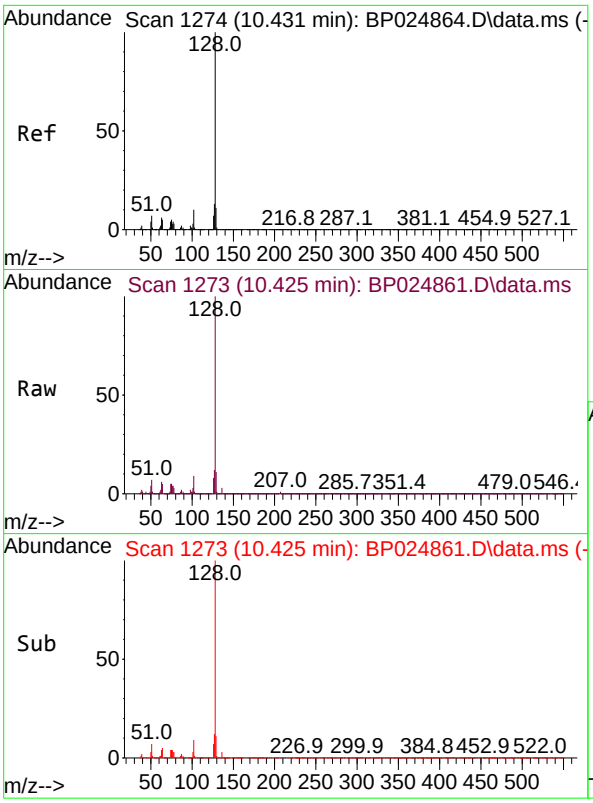


#30
1,2,4-Trichlorobenzene
Concen: 5.018 ng
RT: 10.249 min Scan# 1243
Delta R.T. 0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:180 Resp: 72373

Ion	Ratio	Lower	Upper
180	100		
182	93.5	75.8	113.6
145	31.3	25.7	38.5

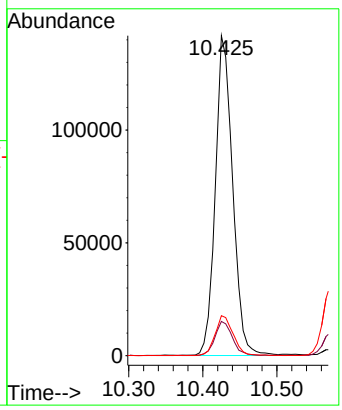




#31
Naphthalene
Concen: 5.223 ng
RT: 10.425 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:128 Resp: 23102

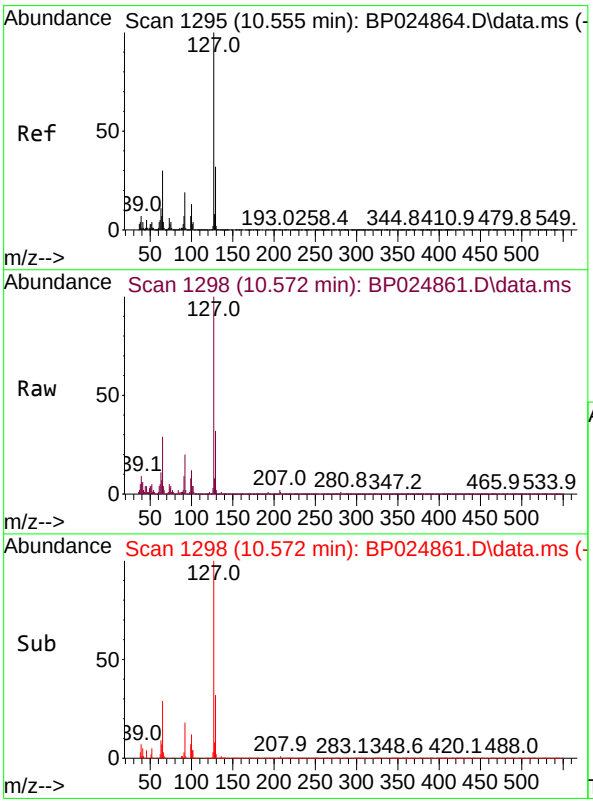
Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.7	13.1
127	12.5	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

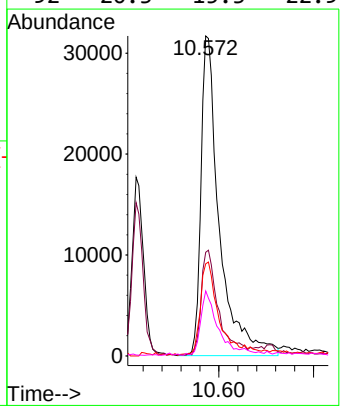
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

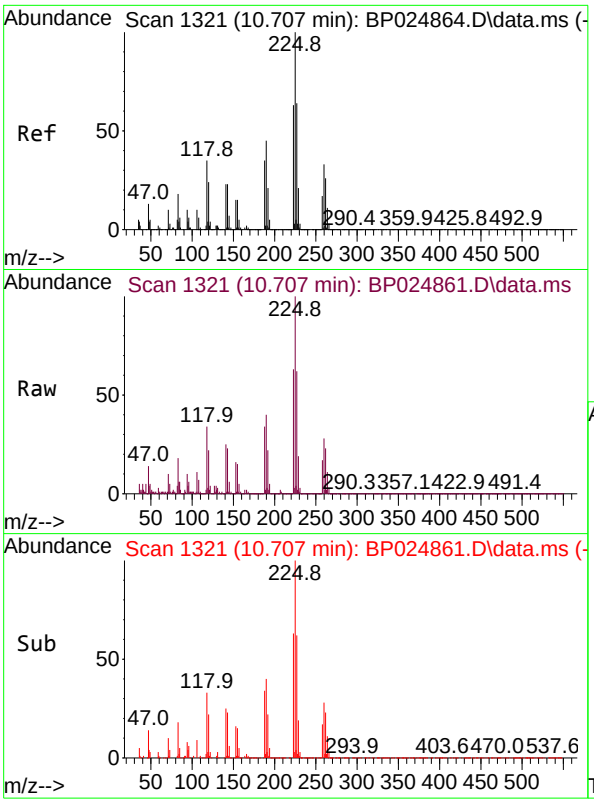


#33
4-Chloroaniline
Concen: 4.622 ng
RT: 10.572 min Scan# 1298
Delta R.T. 0.018 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:127 Resp: 85657

Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.9	38.9
65	28.8	23.9	35.9
92	20.3	15.3	22.9

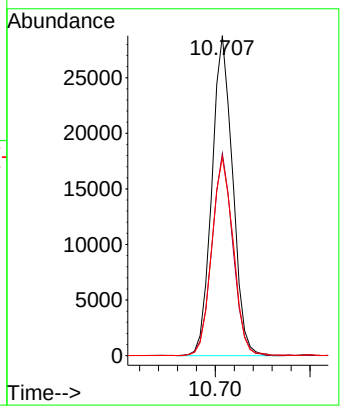




#34
Hexachlorobutadiene
Concen: 5.044 ng
RT: 10.707 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:225 Resp: 4384

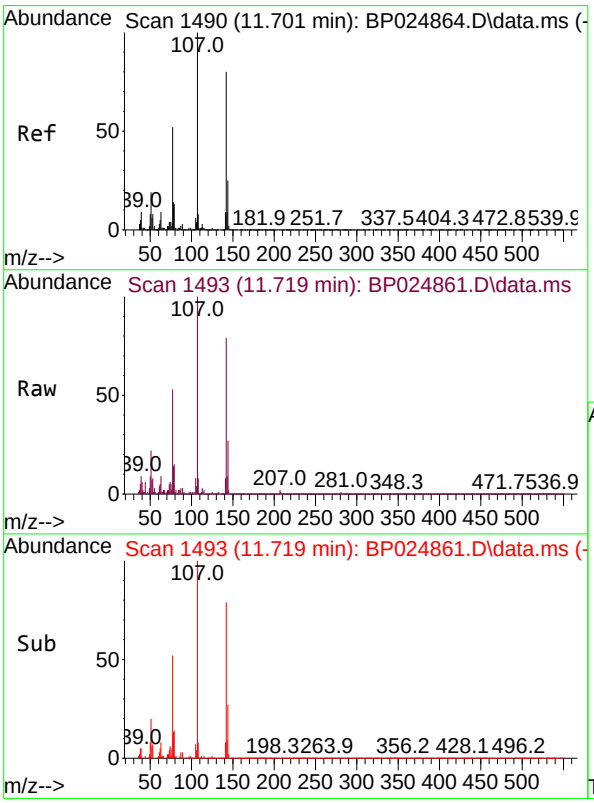
Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.5	75.7
227	62.0	51.4	77.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

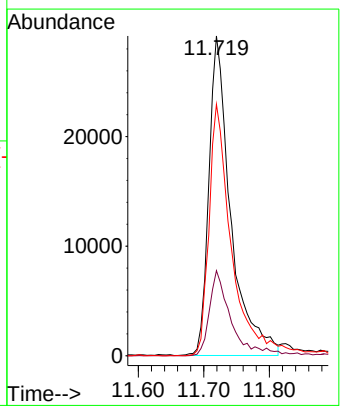
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

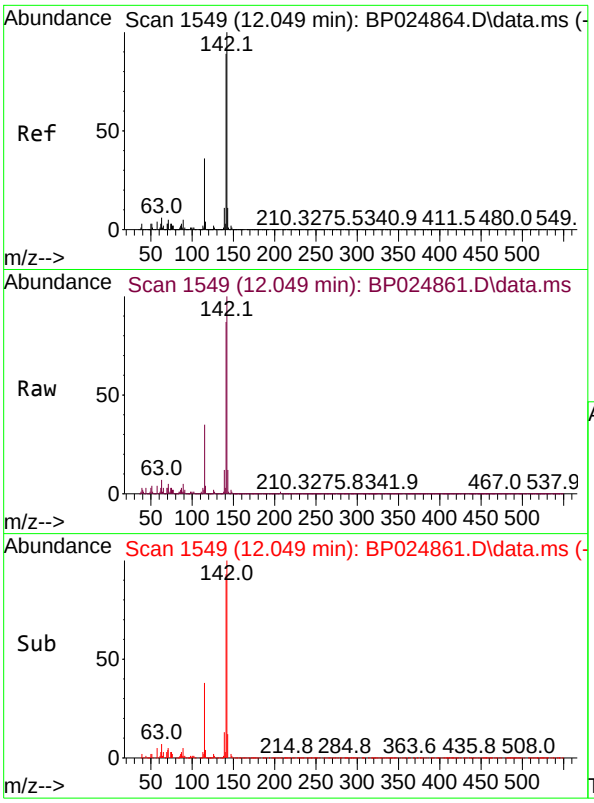


#36
4-Chloro-3-methylphenol
Concen: 4.569 ng
RT: 11.719 min Scan# 1493
Delta R.T. 0.018 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:107 Resp: 67386

Ion	Ratio	Lower	Upper
107	100		
144	26.6	20.4	30.6
142	78.6	63.8	95.6

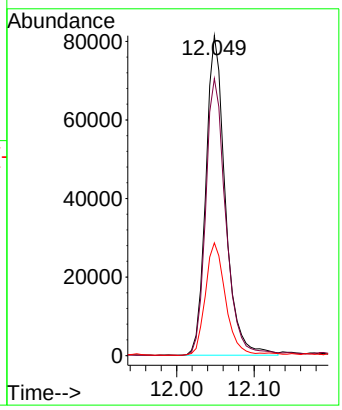




#37
2-Methylnaphthalene
Concen: 5.070 ng
RT: 12.049 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:142 Resp: 14225

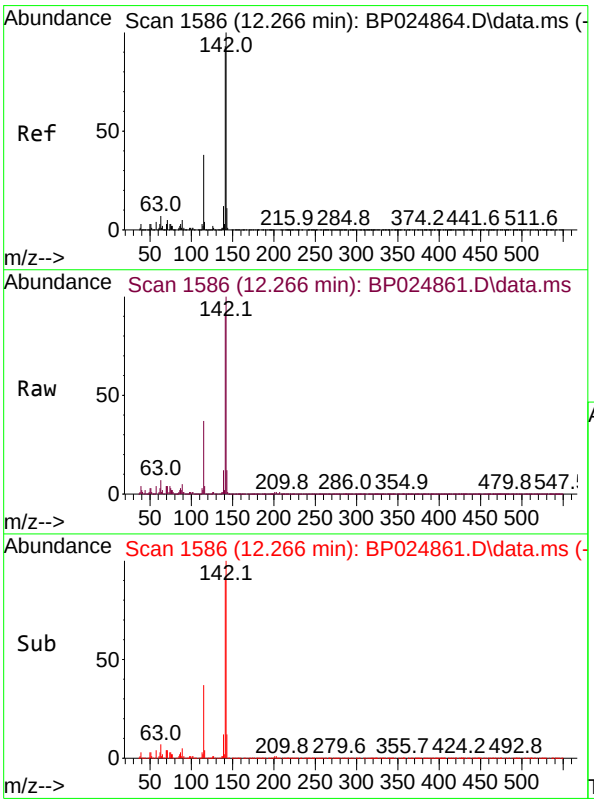
Ion	Ratio	Lower	Upper
142	100		
141	86.6	71.2	106.8
115	35.2	28.5	42.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

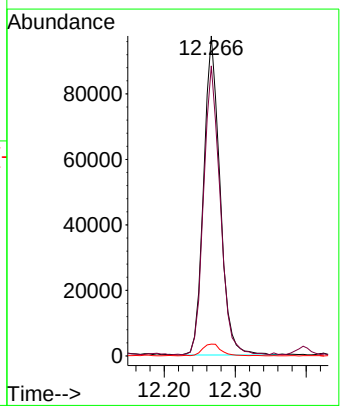
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

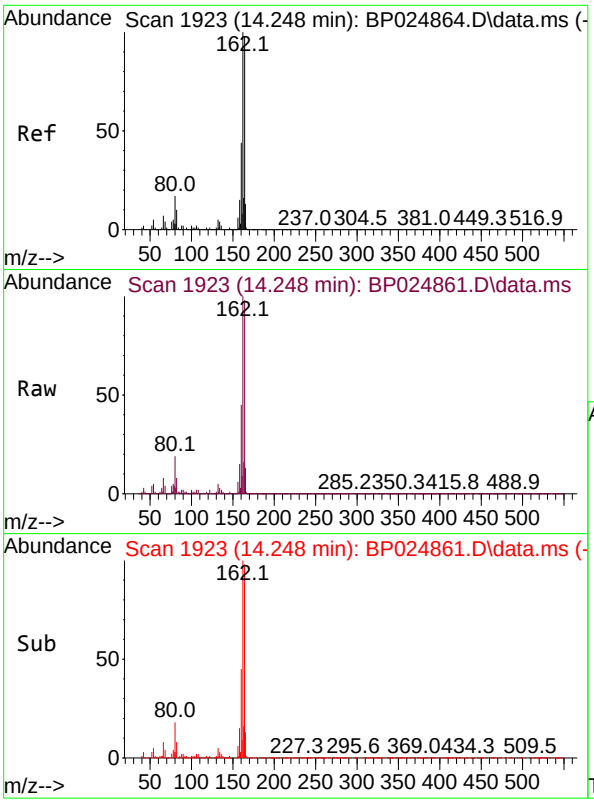


#38
1-Methylnaphthalene
Concen: 5.178 ng
RT: 12.266 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:142 Resp: 155333

Ion	Ratio	Lower	Upper
142	100		
141	90.6	74.7	112.1
116	3.7	3.4	5.0

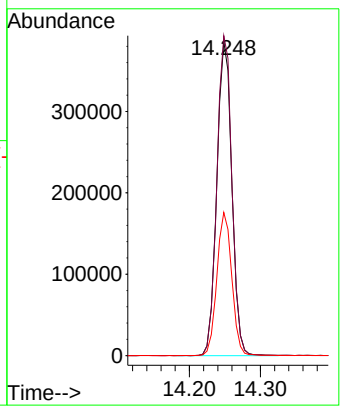




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.248 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:164 Resp: 56724

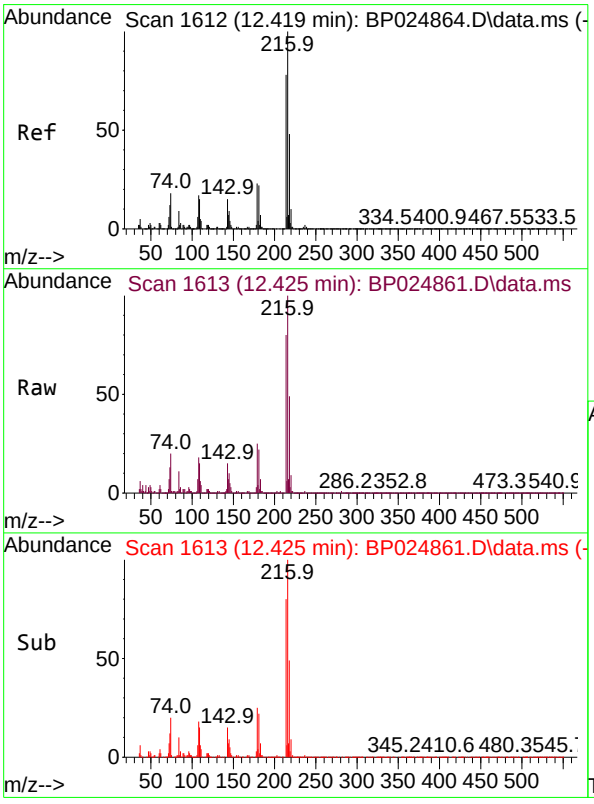
Ion	Ratio	Lower	Upper
164	100		
162	101.9	81.6	122.4
160	45.6	36.2	54.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

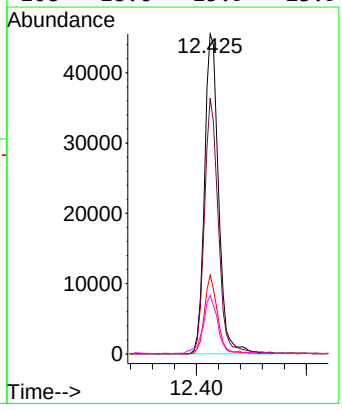
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

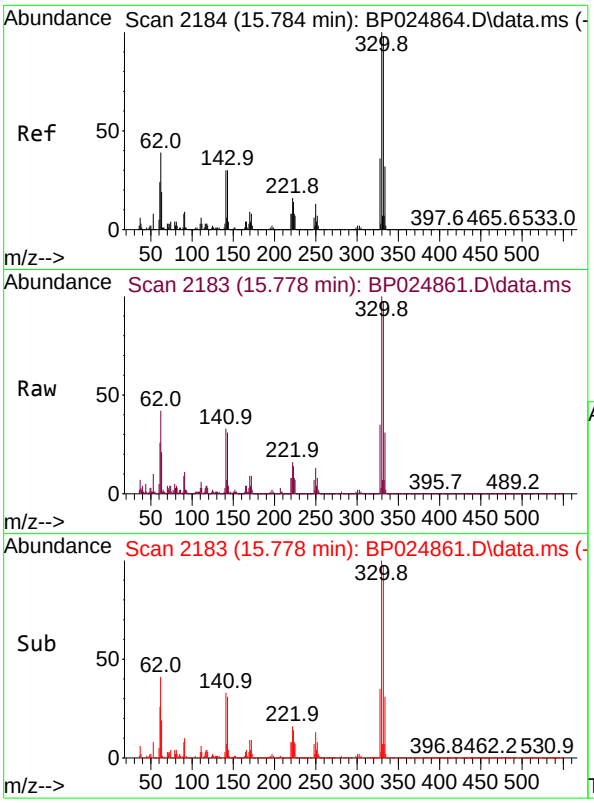


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.008 ng
RT: 12.425 min Scan# 1613
Delta R.T. 0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:216 Resp: 80613

Ion	Ratio	Lower	Upper
216	100		
214	78.4	63.0	94.4
179	22.8	17.8	26.6
108	18.6	15.9	23.9





#42
2,4,6-Tribromophenol
Concen: 9.274 ng
RT: 15.778 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

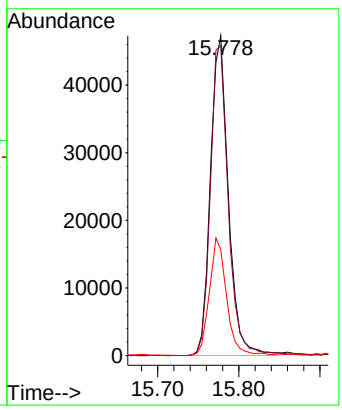
Tgt Ion:330 Resp: 7272

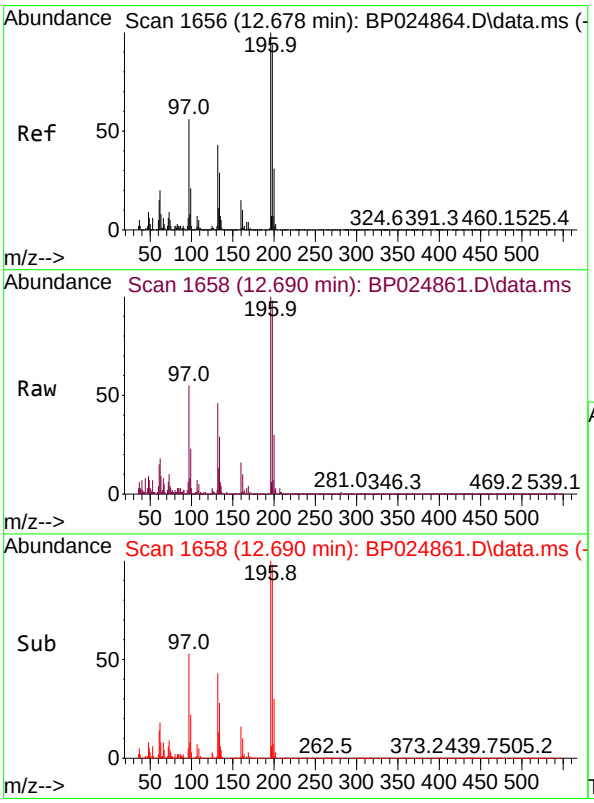
Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.7	116.5
141	35.4	26.4	39.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

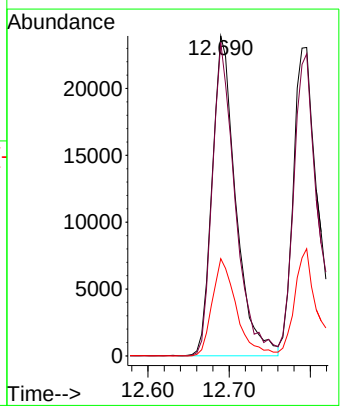


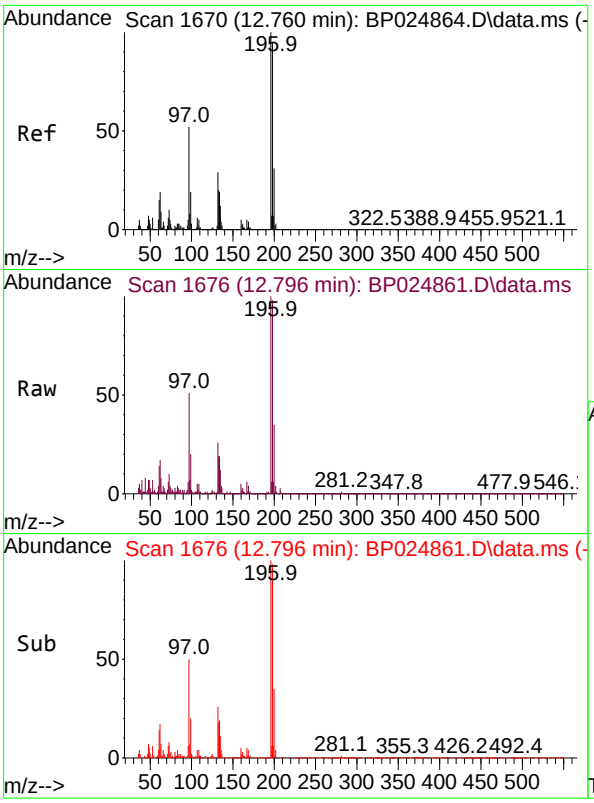


#43
2,4,6-Trichlorophenol
Concen: 4.487 ng
RT: 12.690 min Scan# 1658
Delta R.T. 0.012 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:196 Resp: 48501

Ion	Ratio	Lower	Upper
196	100		
198	98.0	75.4	113.0
200	30.4	24.4	36.6

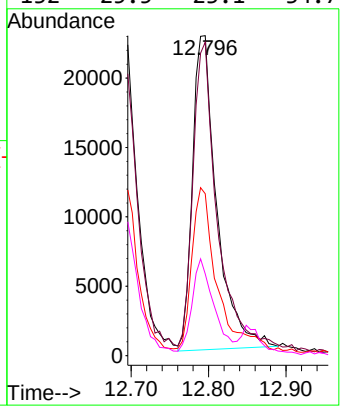




#44
2,4,5-Trichlorophenol
Concen: 4.269 ng
RT: 12.796 min Scan# 1
Delta R.T. 0.035 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:196 Resp: 4942

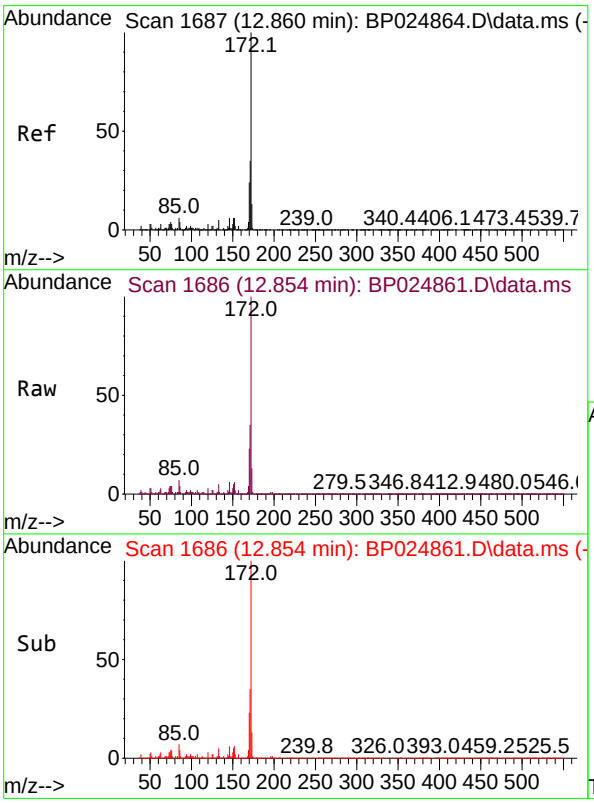
Ion	Ratio	Lower	Upper
196	100		
198	97.9	76.0	114.0
97	50.6	41.5	62.3
132	25.5	23.1	34.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

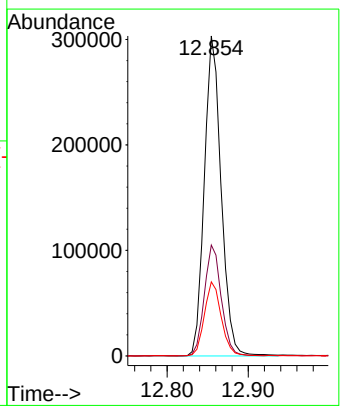
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

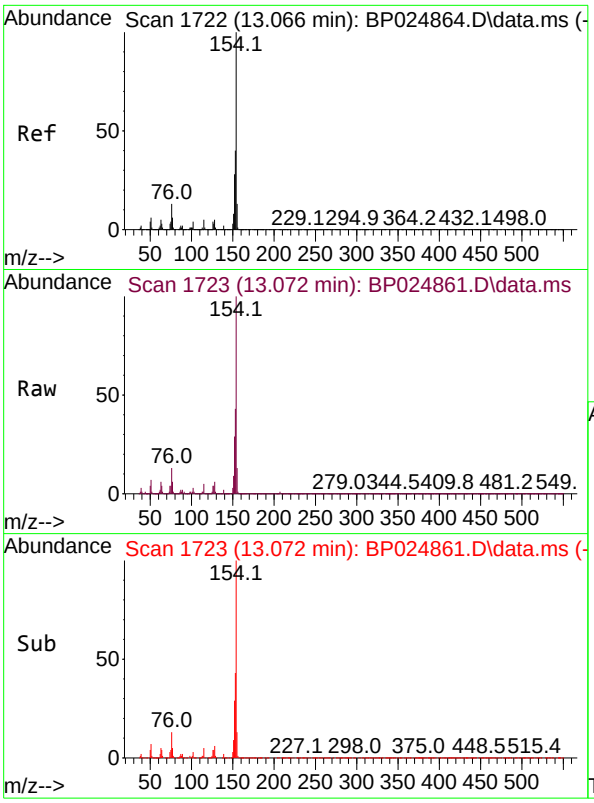


#45
2-Fluorobiphenyl
Concen: 10.390 ng
RT: 12.854 min Scan# 1686
Delta R.T. -0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:172 Resp: 437483

Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.3	42.5
170	23.1	19.0	28.4

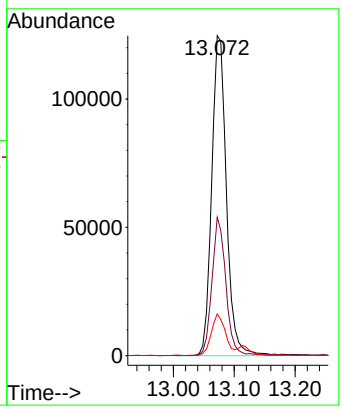




#46
1,1'-Biphenyl
Concen: 5.082 ng
RT: 13.072 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:154 Resp: 20948

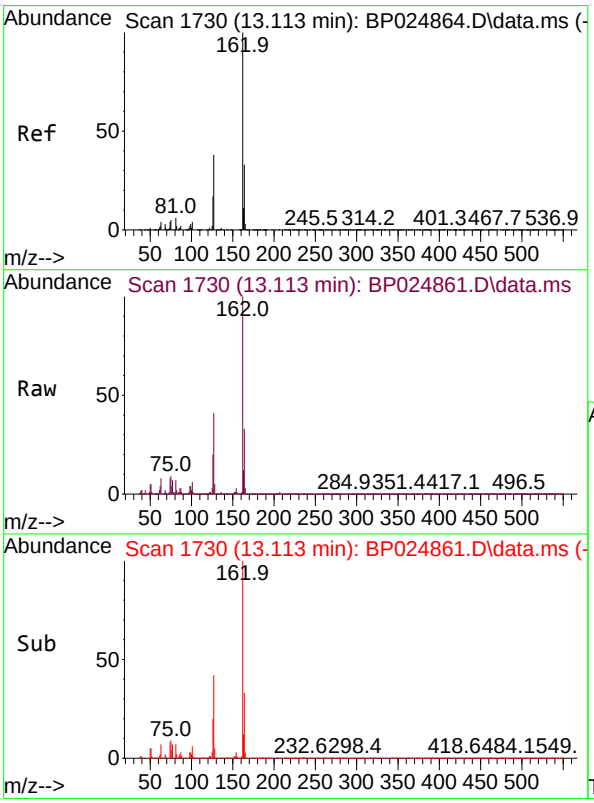
Ion	Ratio	Lower	Upper
154	100		
153	43.2	20.3	60.3
76	13.0	0.0	33.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

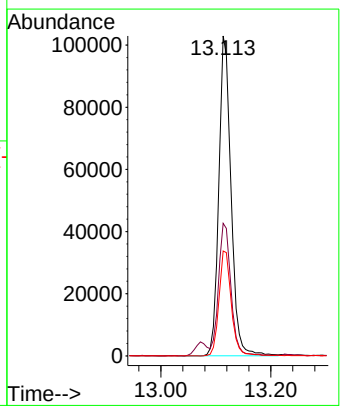
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

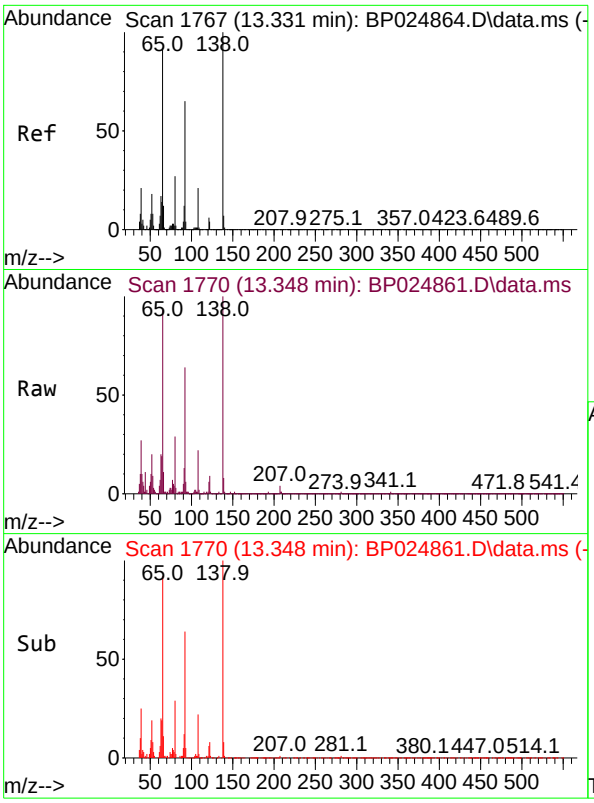


#47
2-Chloronaphthalene
Concen: 5.026 ng
RT: 13.113 min Scan# 1730
Delta R.T. 0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:162 Resp: 159251

Ion	Ratio	Lower	Upper
162	100		
127	41.4	32.5	48.7
164	32.8	26.2	39.2





#48
2-Nitroaniline
Concen: 4.207 ng
RT: 13.348 min Scan# 1
Delta R.T. 0.018 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

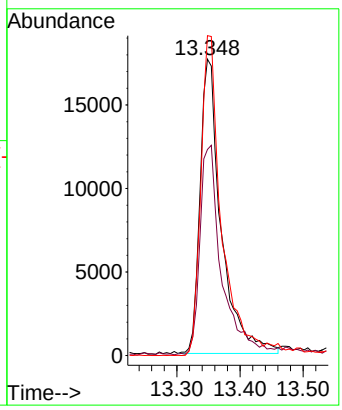
Instrument :
BNA_P
ClientSampleId :
SSTDICC005

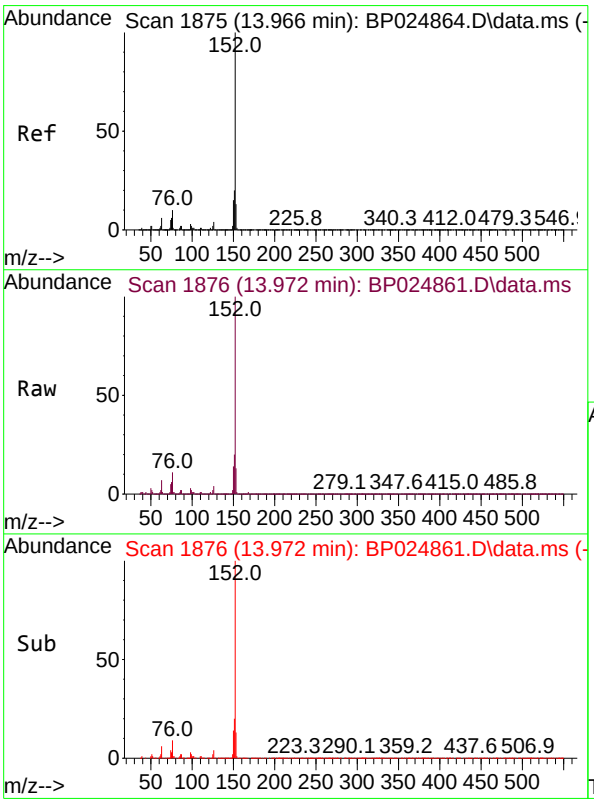
Tgt Ion: 65 Resp: 4098

Ion	Ratio	Lower	Upper
65	100		
92	69.6	56.8	85.2
138	107.9	86.9	130.3

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Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

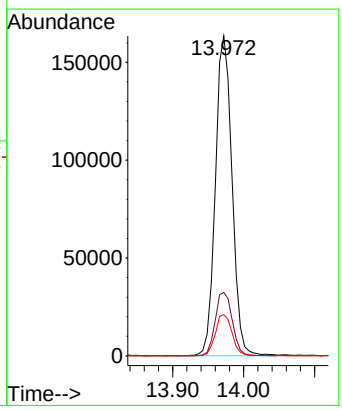


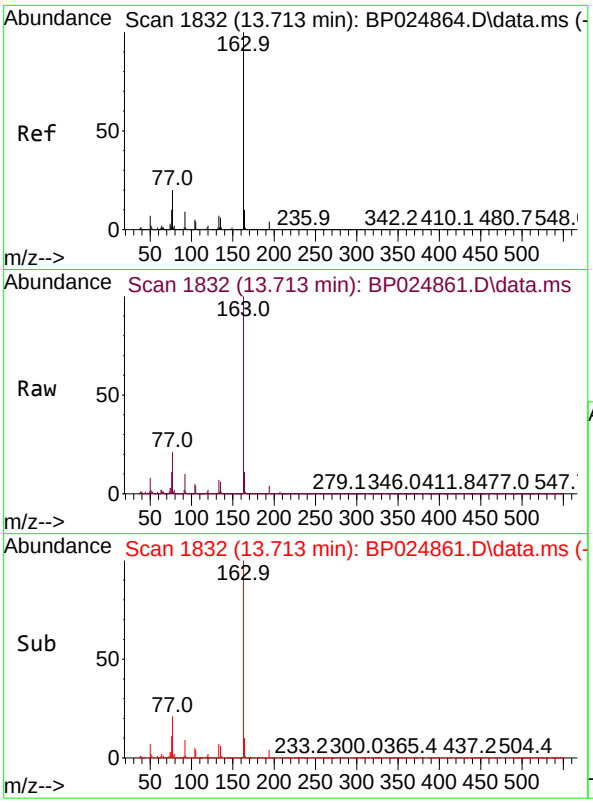


#49
Acenaphthylene
Concen: 5.047 ng
RT: 13.972 min Scan# 1876
Delta R.T. 0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:152 Resp: 266639

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.2	24.2
153	12.9	10.6	15.8





#50
Dimethylphthalate
Concen: 5.136 ng
RT: 13.713 min Scan# 18
Delta R.T. 0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

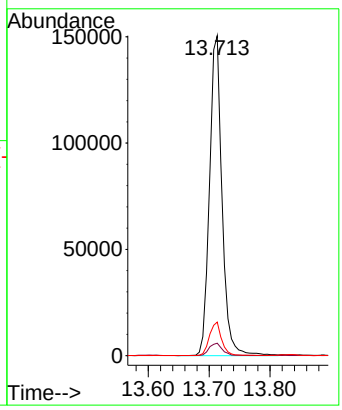
Tgt Ion:163 Resp: 21489

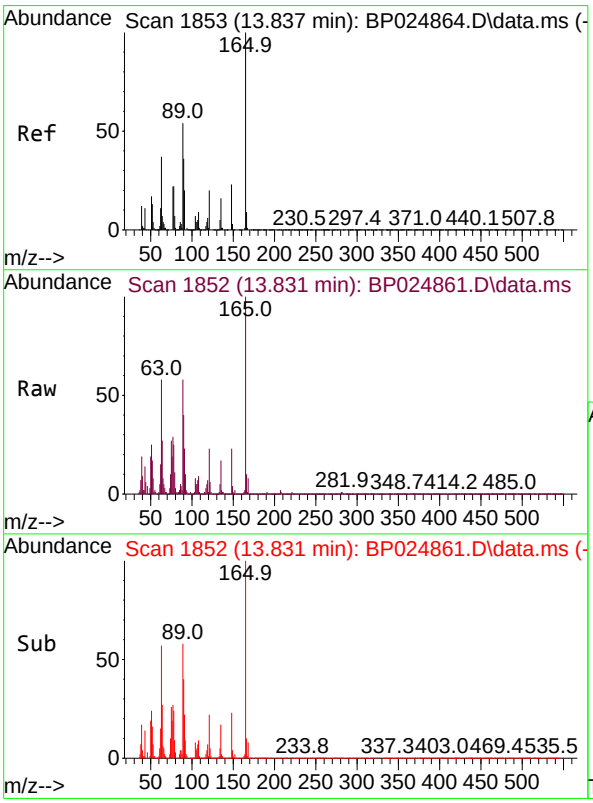
Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.4	5.0
164	10.5	8.0	12.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

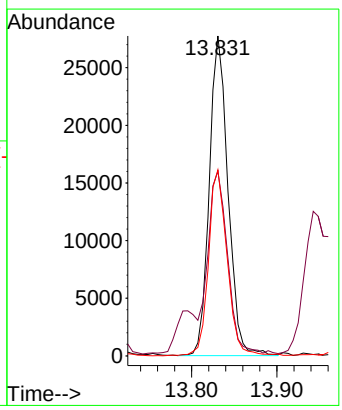


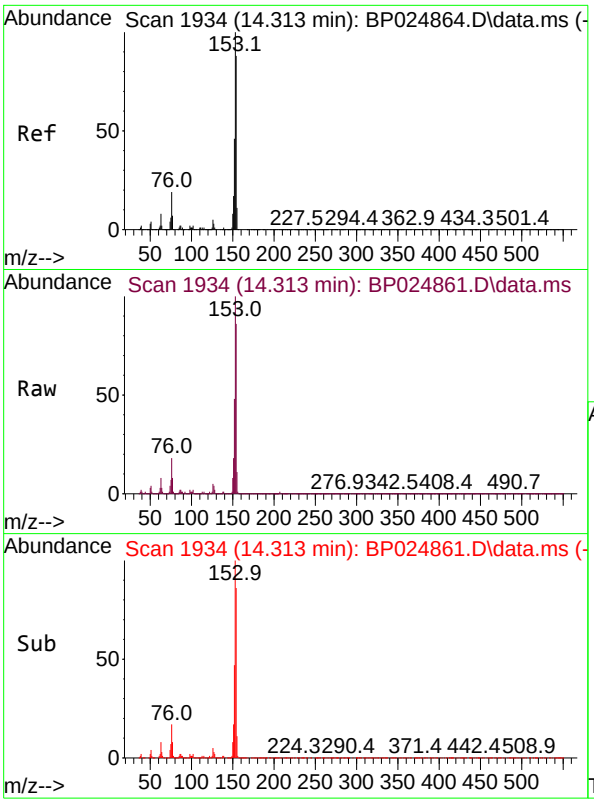


#51
2,6-Dinitrotoluene
Concen: 4.693 ng
RT: 13.831 min Scan# 1852
Delta R.T. -0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:165 Resp: 42335

Ion	Ratio	Lower	Upper
165	100		
63	57.7	41.8	62.8
89	58.1	43.1	64.7

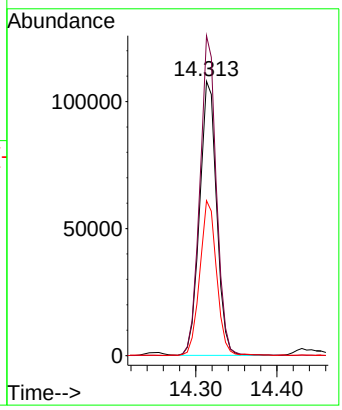




#52
Acenaphthene
Concen: 5.181 ng
RT: 14.313 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:154 Resp: 15683

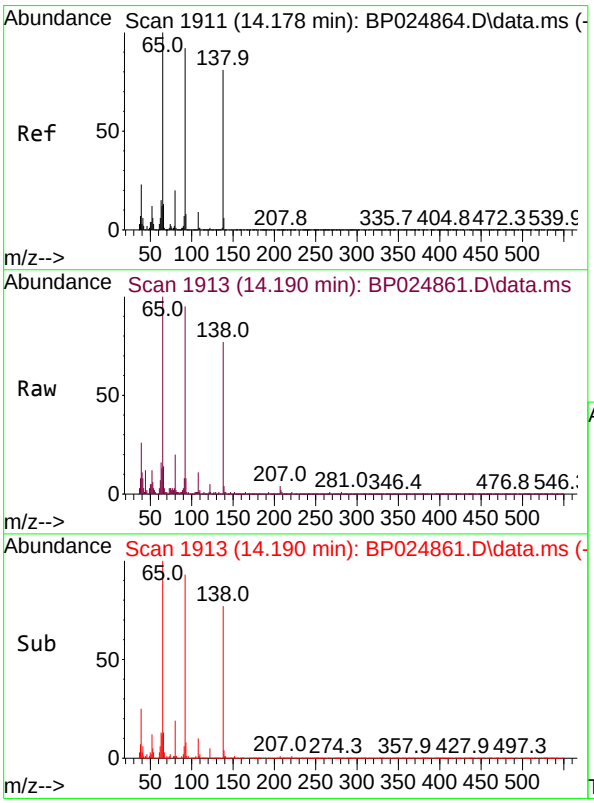
Ion	Ratio	Lower	Upper
154	100		
153	116.7	90.5	135.7
152	56.5	42.1	63.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

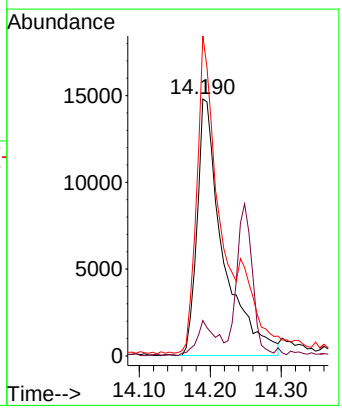
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

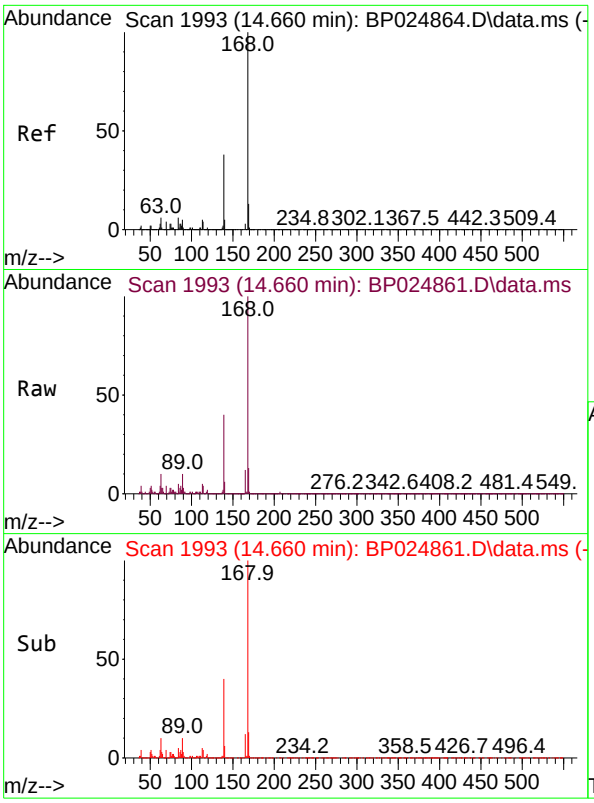


#53
3-Nitroaniline
Concen: 3.983 ng
RT: 14.190 min Scan# 1913
Delta R.T. 0.012 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:138 Resp: 37288

Ion	Ratio	Lower	Upper
138	100		
108	13.8	8.6	12.8#
92	124.5	91.3	136.9

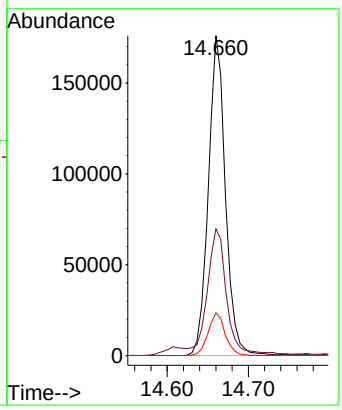




#55
Dibenzofuran
Concen: 5.297 ng
RT: 14.660 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:168 Resp: 25737

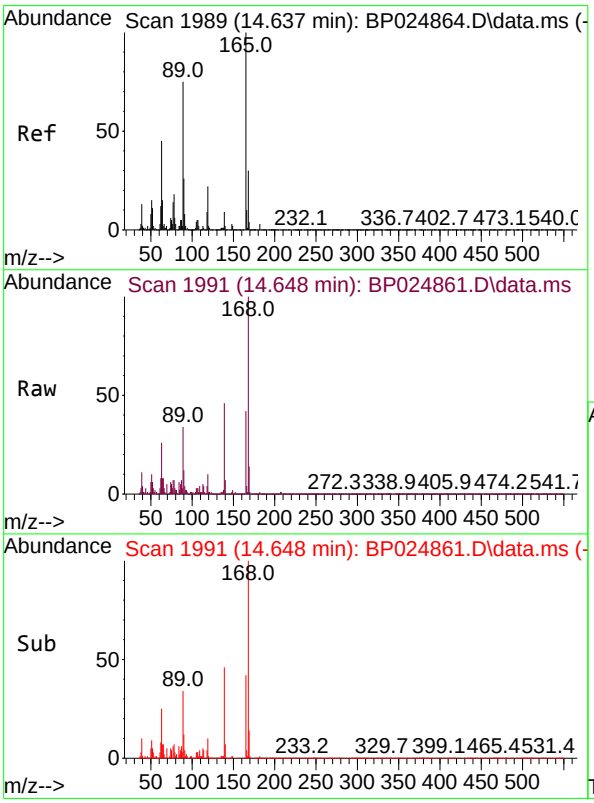
Ion	Ratio	Lower	Upper
168	100		
139	39.6	31.6	47.4
169	13.4	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

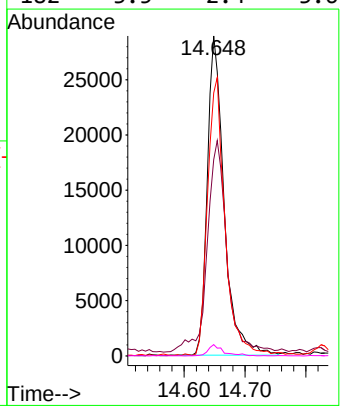
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

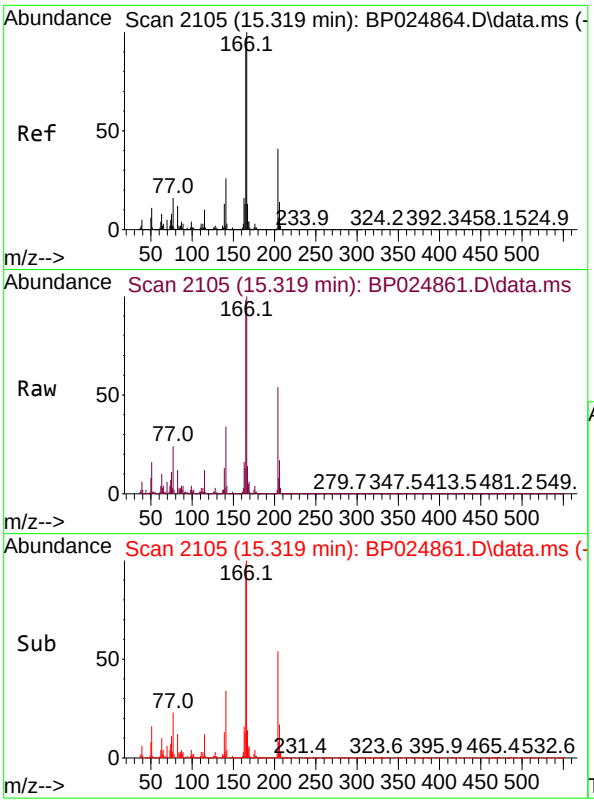


#57
2,4-Dinitrotoluene
Concen: 4.387 ng
RT: 14.648 min Scan# 1991
Delta R.T. 0.011 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:165 Resp: 55352

Ion	Ratio	Lower	Upper
165	100		
63	61.3	37.0	55.6#
89	82.2	60.1	90.1
182	3.5	2.4	3.6

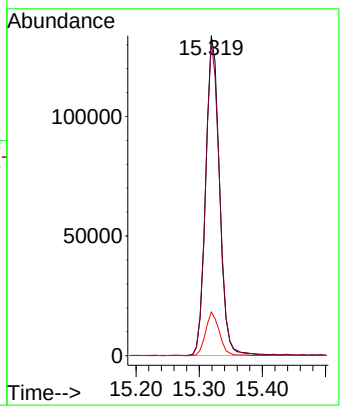




#58
Fluorene
Concen: 5.192 ng
RT: 15.319 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:166 Resp: 20380

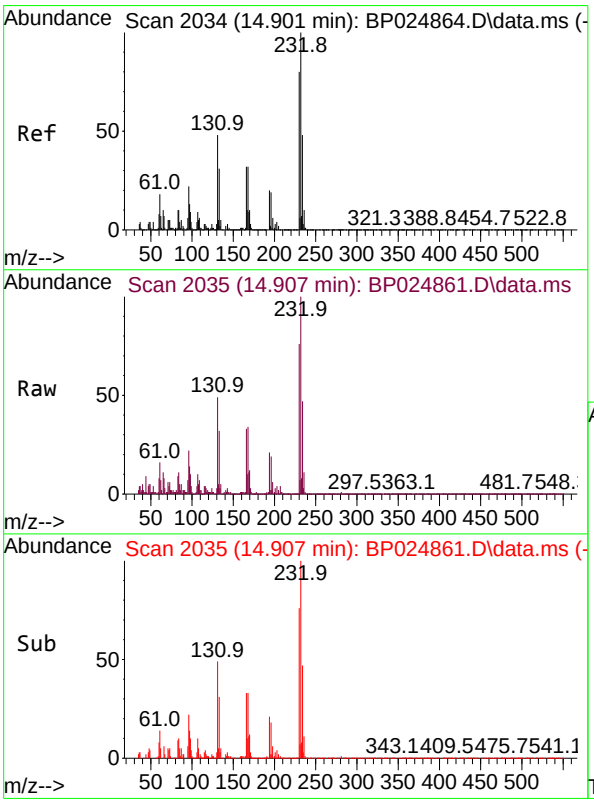
Ion	Ratio	Lower	Upper
166	100		
165	98.0	77.7	116.5
167	13.6	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

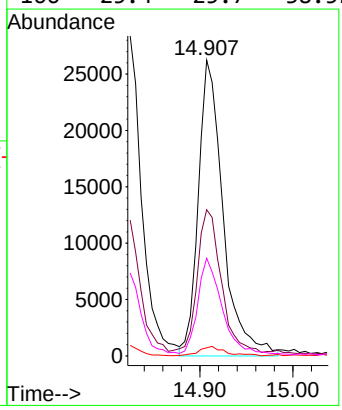
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

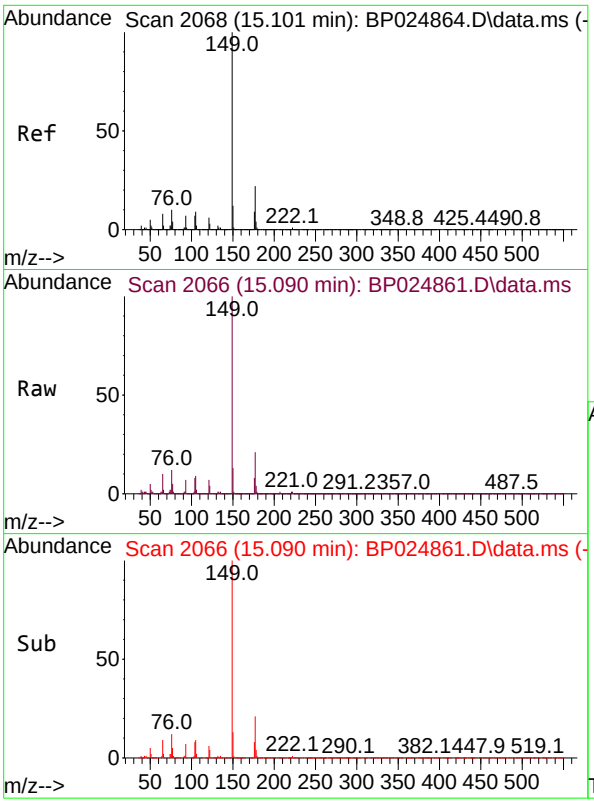


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.699 ng m
RT: 14.907 min Scan# 2035
Delta R.T. 0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:232 Resp: 48686

Ion	Ratio	Lower	Upper
232	100		
131	40.2	38.2	57.2
130	2.5	2.1	3.1
166	25.4	25.7	38.5#

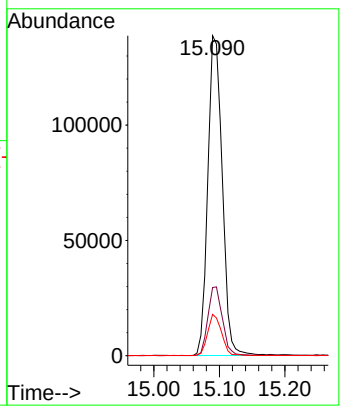




#60
Diethylphthalate
Concen: 5.105 ng
RT: 15.090 min Scan# 20
Delta R.T. -0.012 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:149 Resp: 21288

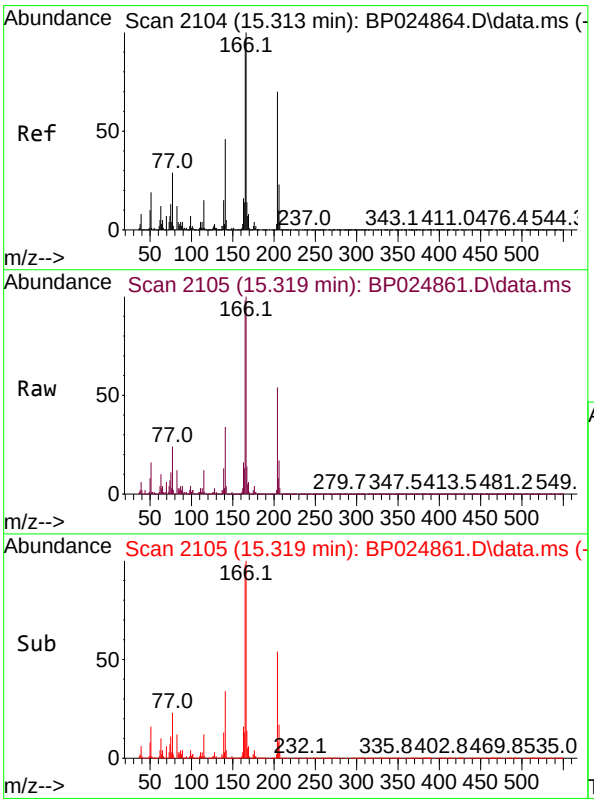
Ion	Ratio	Lower	Upper
149	100		
177	21.3	17.9	26.9
150	12.9	9.8	14.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

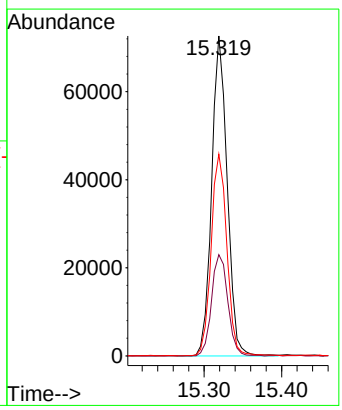
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

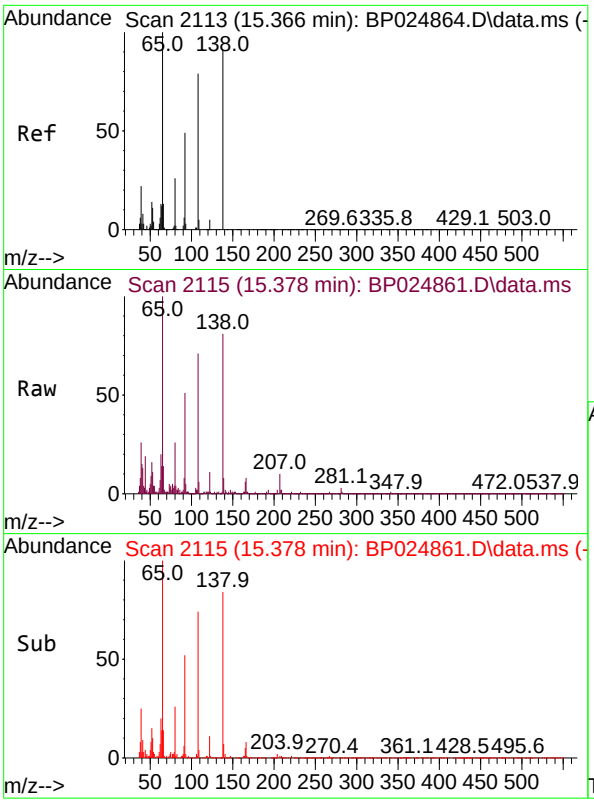


#61
4-Chlorophenyl-phenylether
Concen: 5.254 ng
RT: 15.319 min Scan# 2105
Delta R.T. 0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:204 Resp: 100846

Ion	Ratio	Lower	Upper
204	100		
206	31.6	26.6	40.0
141	63.0	52.4	78.6

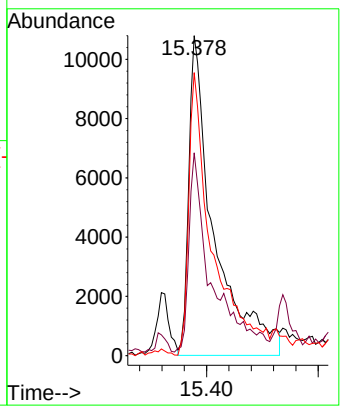




#62
4-Nitroaniline
Concen: 3.998 ng m
RT: 15.378 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:138 Resp: 3395

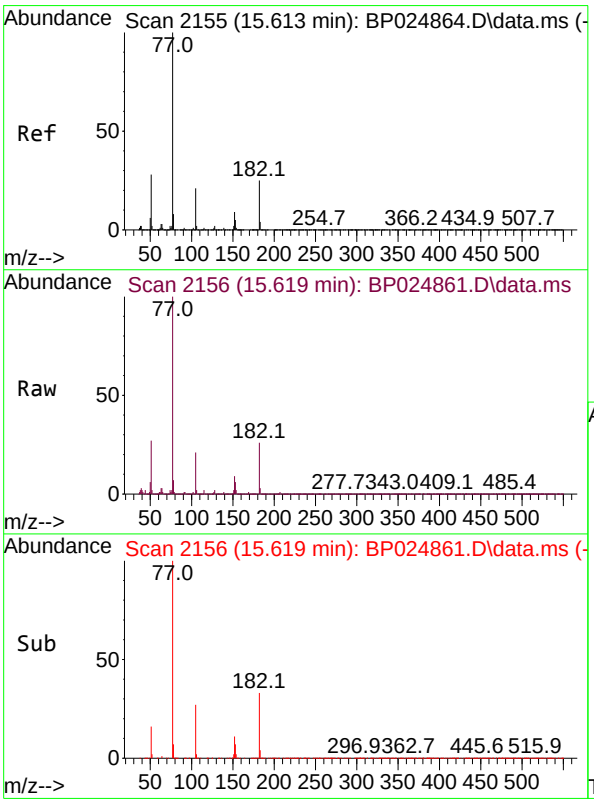
Ion	Ratio	Lower	Upper
138	100		
92	63.4	33.5	73.5
108	88.4	65.1	105.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

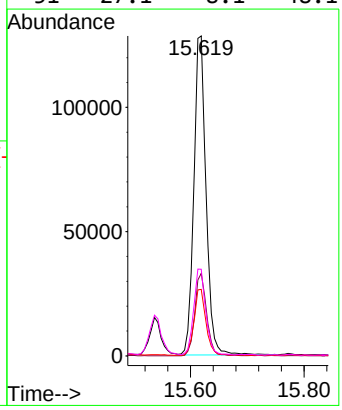
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

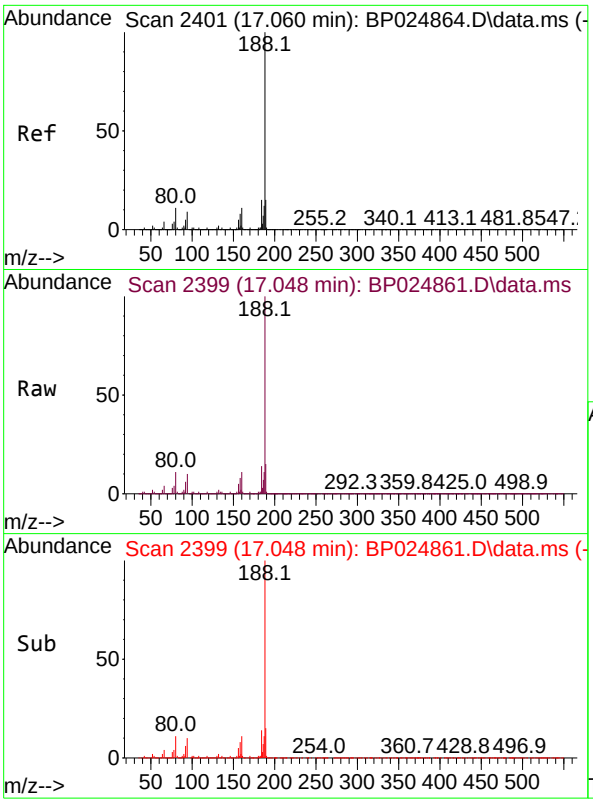


#63
Azobenzene
Concen: 4.990 ng
RT: 15.619 min Scan# 2156
Delta R.T. 0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion: 77 Resp: 190856

Ion	Ratio	Lower	Upper
77	100		
182	25.8	5.4	45.4
105	20.8	0.8	40.8
51	27.1	8.1	48.1

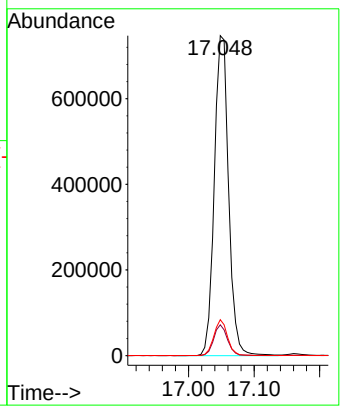




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.048 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:188 Resp: 113488

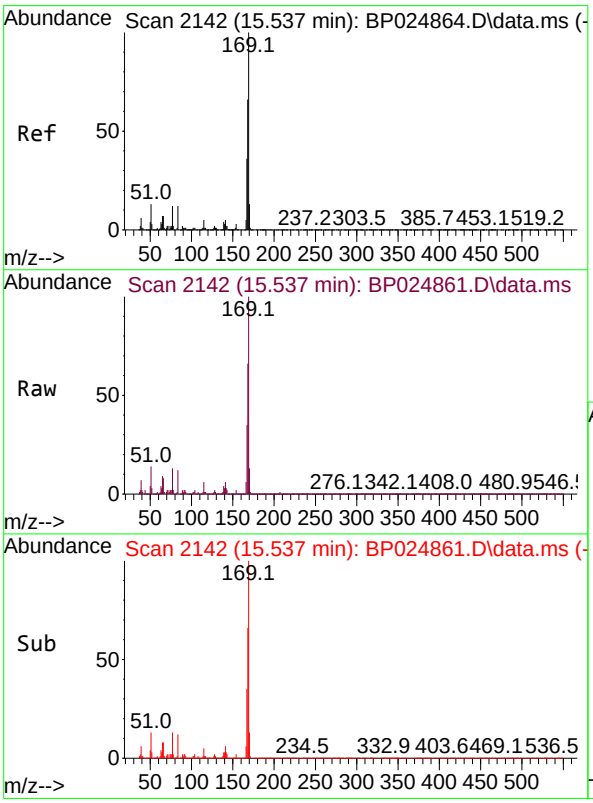
Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.3	10.9
80	11.2	8.5	12.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

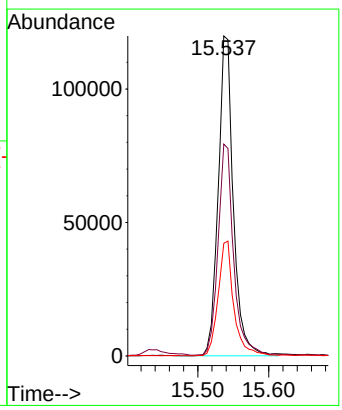
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

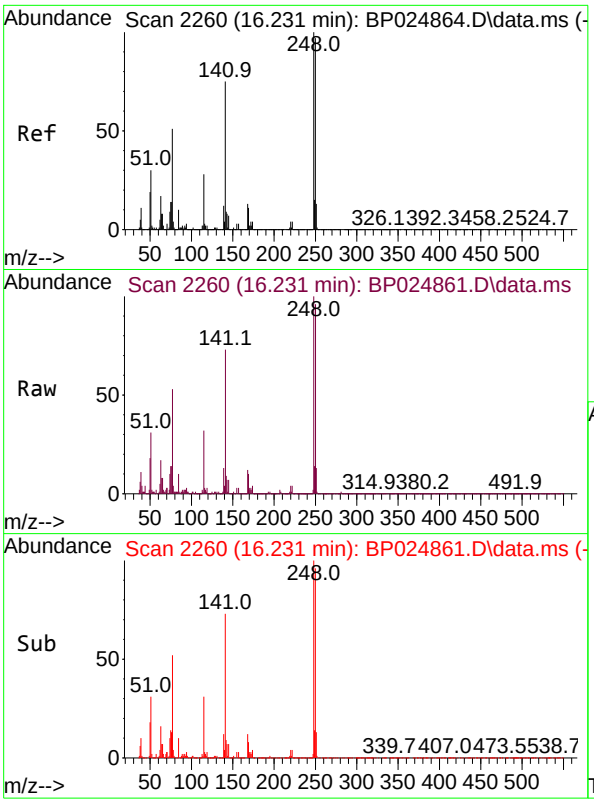


#66
n-Nitrosodiphenylamine
Concen: 5.056 ng
RT: 15.537 min Scan# 2142
Delta R.T. 0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:169 Resp: 177845

Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.0	79.6
167	35.2	28.6	43.0

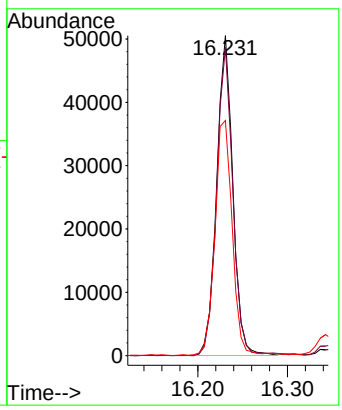




#67
4-Bromophenyl-phenylether
Concen: 4.973 ng
RT: 16.231 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:248 Resp: 6367

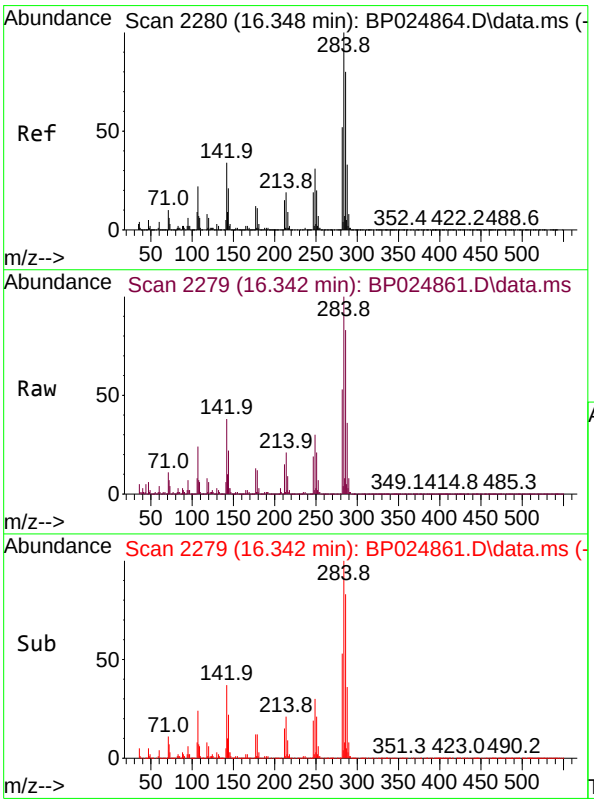
Ion	Ratio	Lower	Upper
248	100		
250	96.3	77.4	116.2
141	73.5	59.9	89.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

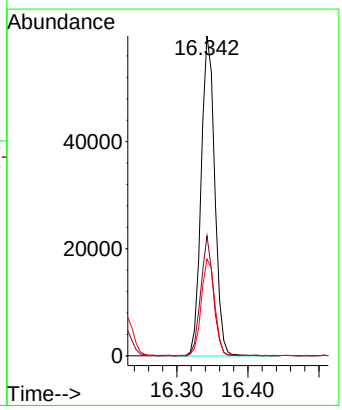
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

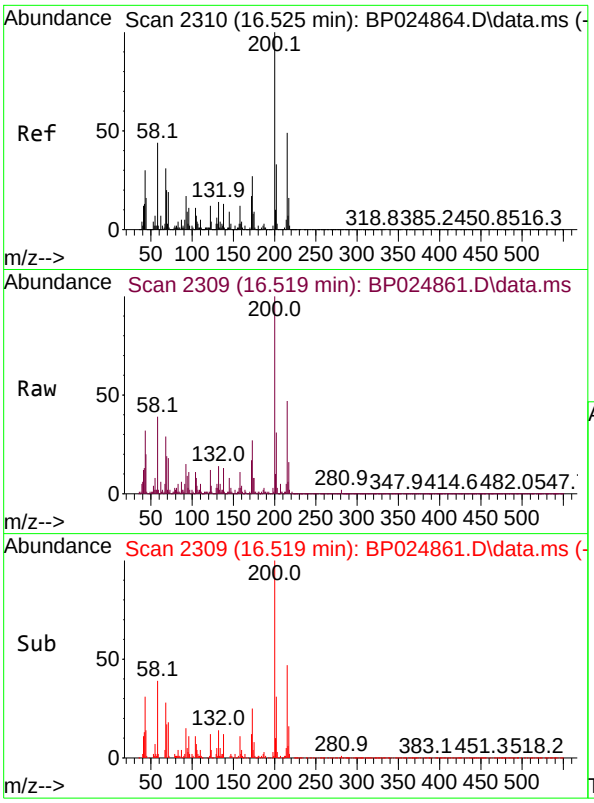


#68
Hexachlorobenzene
Concen: 5.087 ng
RT: 16.342 min Scan# 2279
Delta R.T. -0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:284 Resp: 78966

Ion	Ratio	Lower	Upper
284	100		
142	37.5	27.0	40.6
249	30.3	25.0	37.6

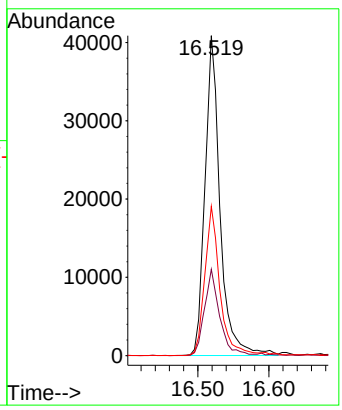




#69
Atrazine
Concen: 4.730 ng
RT: 16.519 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:200 Resp: 6032

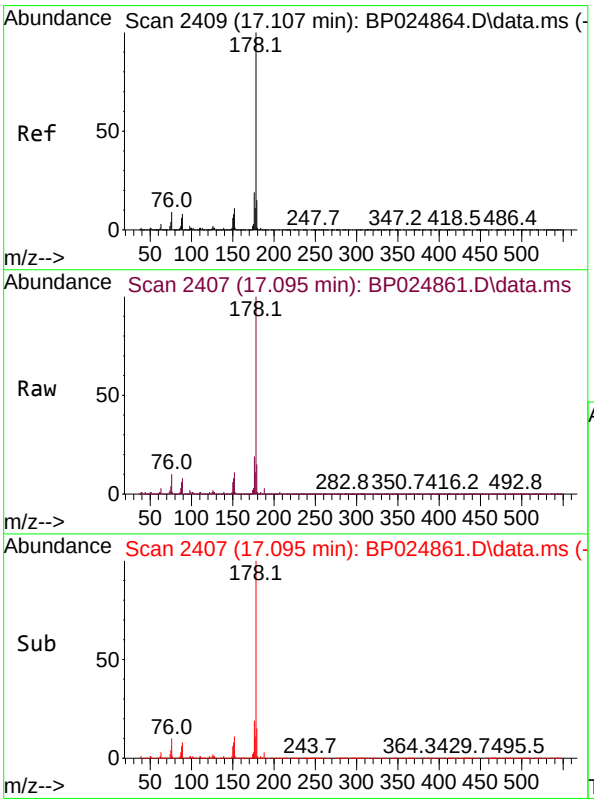
Ion	Ratio	Lower	Upper
200	100		
173	27.0	6.9	46.9
215	46.6	28.7	68.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

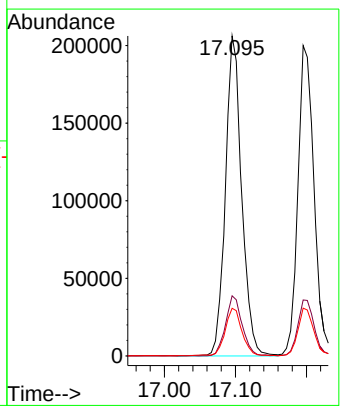
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

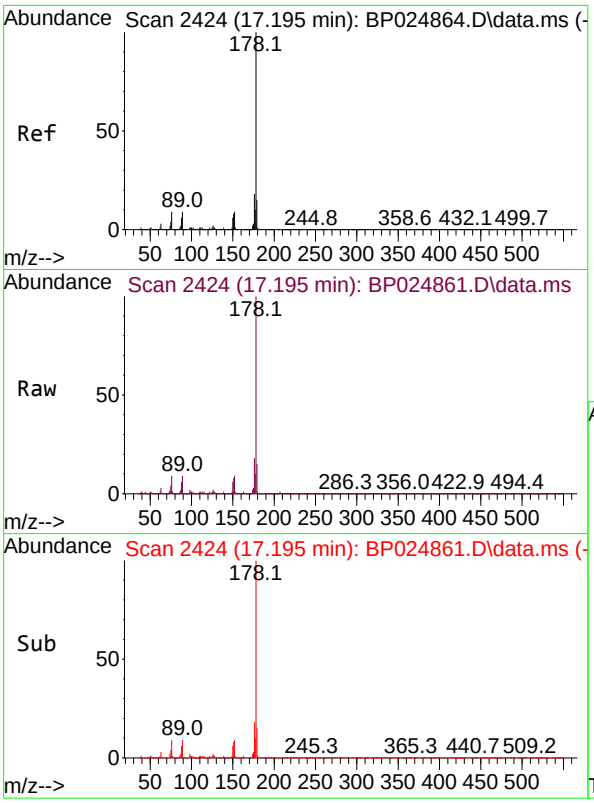


#71
Phenanthrene
Concen: 5.237 ng
RT: 17.095 min Scan# 2407
Delta R.T. -0.012 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:178 Resp: 328431

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	14.9	12.1	18.1

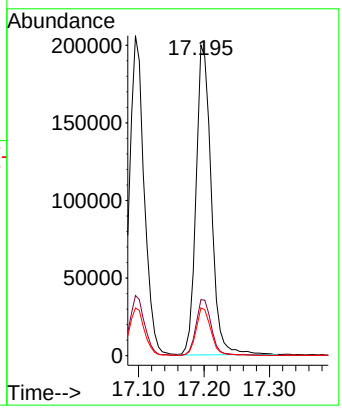




#72
Anthracene
Concen: 5.043 ng
RT: 17.195 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:178 Resp: 32030

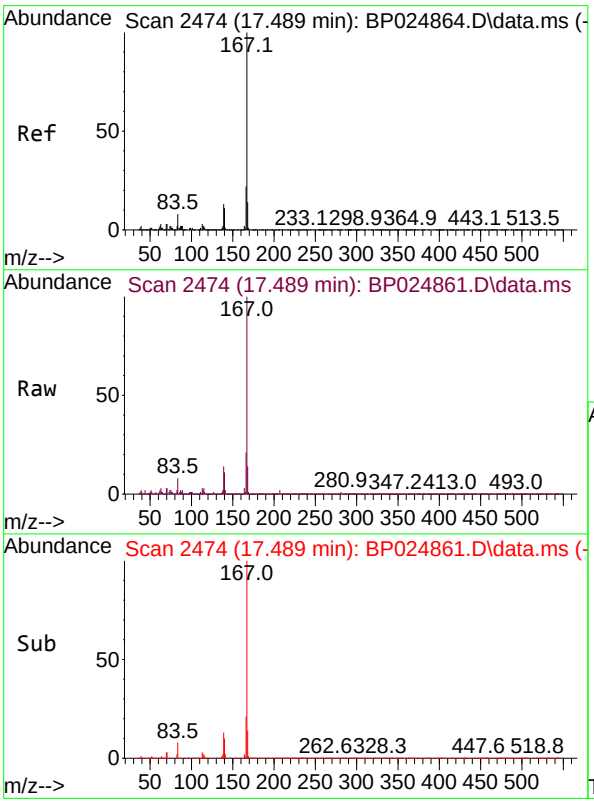
Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.7	22.1
179	15.4	12.3	18.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

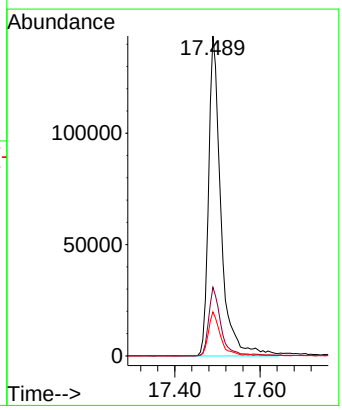
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

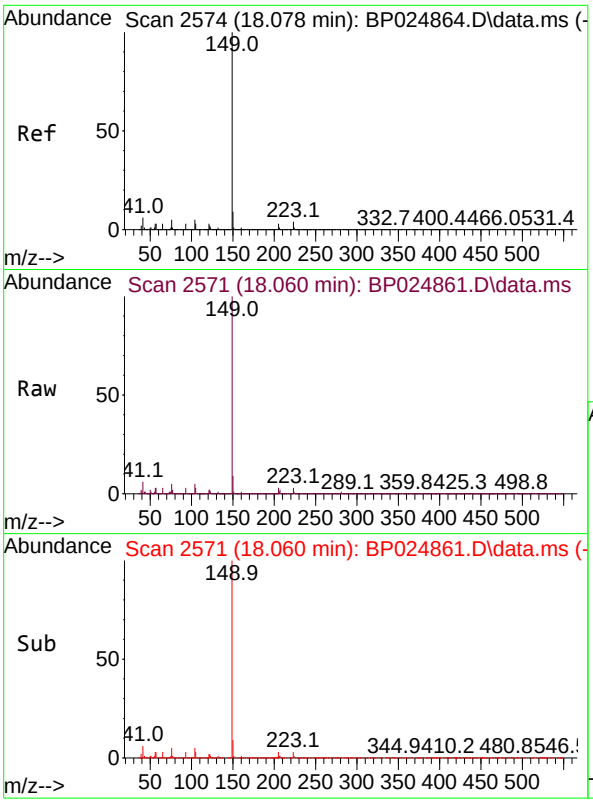


#73
Carbazole
Concen: 4.932 ng
RT: 17.489 min Scan# 2474
Delta R.T. 0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:167 Resp: 290344

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.3	25.9
139	13.7	10.8	16.2

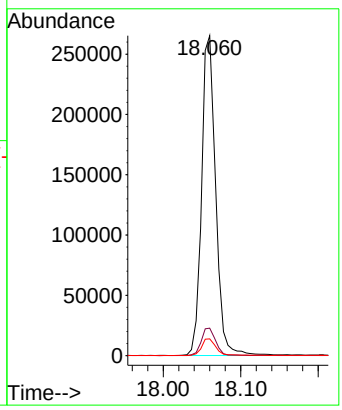




#74
Di-n-butylphthalate
Concen: 4.580 ng
RT: 18.060 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:149 Resp: 33408

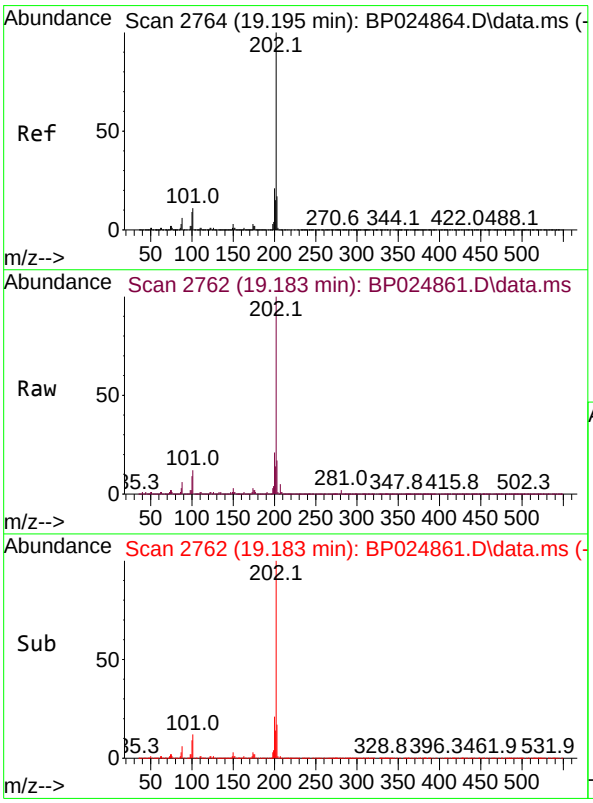
Ion	Ratio	Lower	Upper
149	100		
150	8.6	7.4	11.2
104	5.2	4.2	6.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

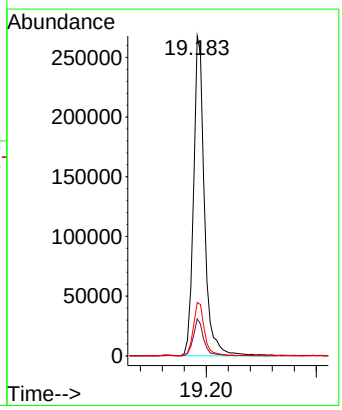
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

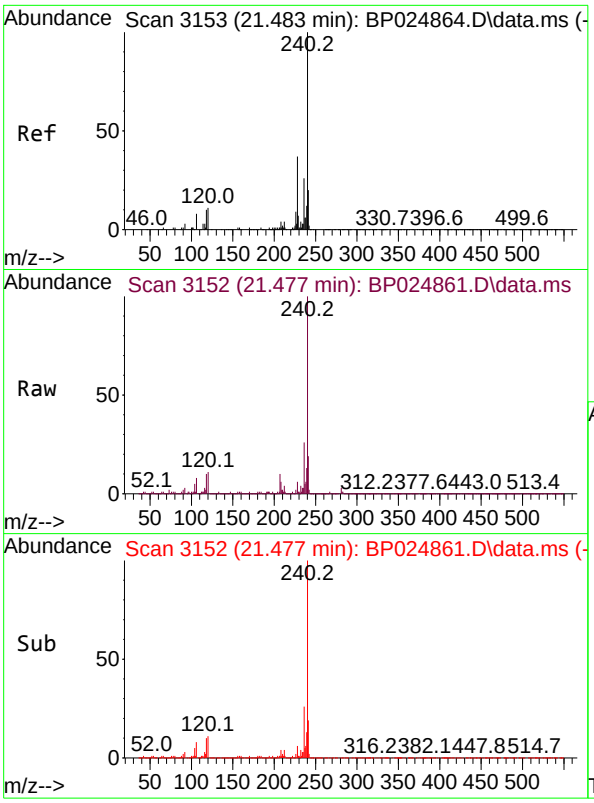


#75
Fluoranthene
Concen: 5.074 ng
RT: 19.183 min Scan# 2762
Delta R.T. -0.012 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:202 Resp: 368810

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	31.4
203	16.7	0.0	37.5

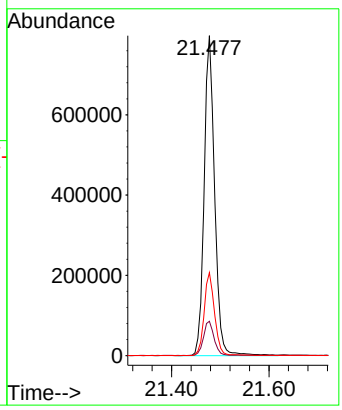




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.477 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:240 Resp: 119401

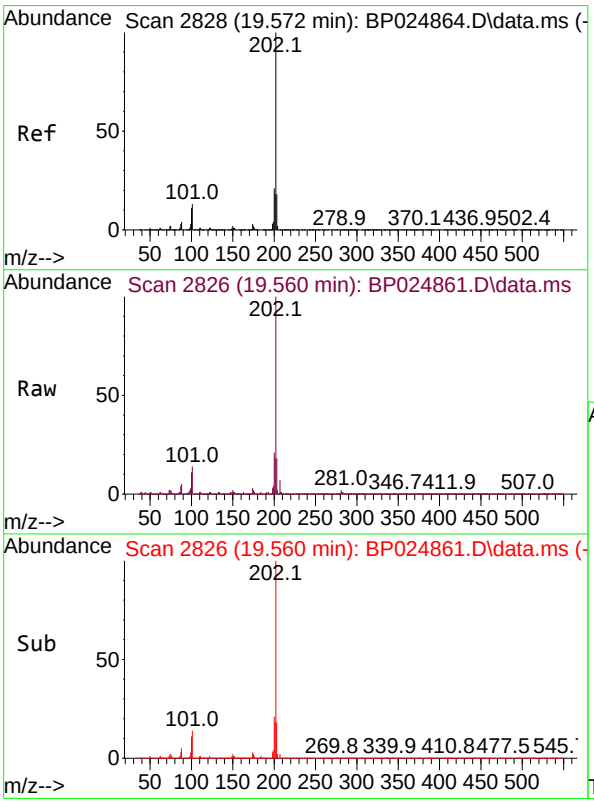
Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.9	13.3
236	25.9	20.9	31.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

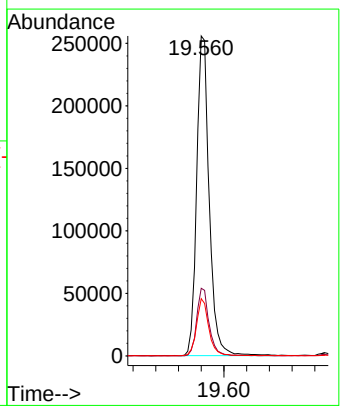
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

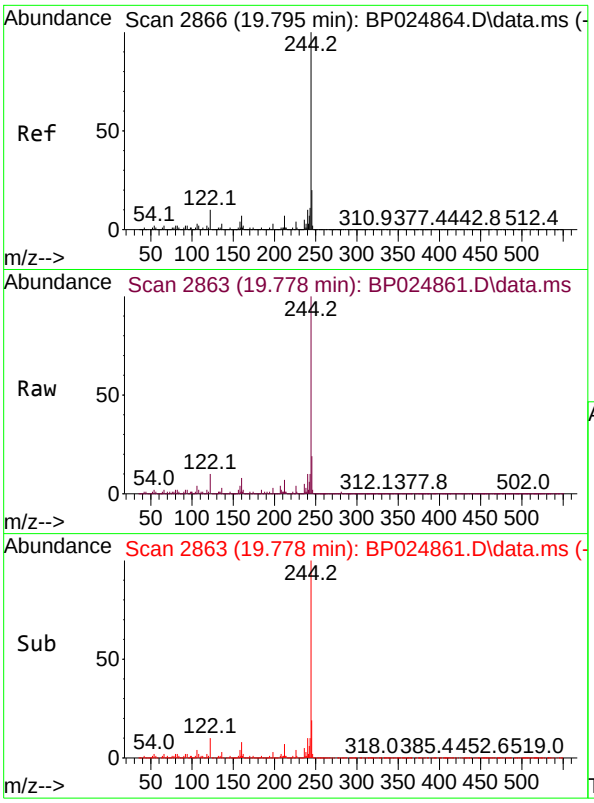


#78
Pyrene
Concen: 5.228 ng
RT: 19.560 min Scan# 2826
Delta R.T. -0.012 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:202 Resp: 389995

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.1	25.7
203	17.9	14.0	21.0

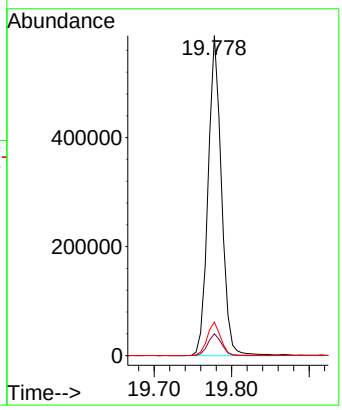




#79
Terphenyl-d14
Concen: 10.560 ng
RT: 19.778 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:244 Resp: 70350

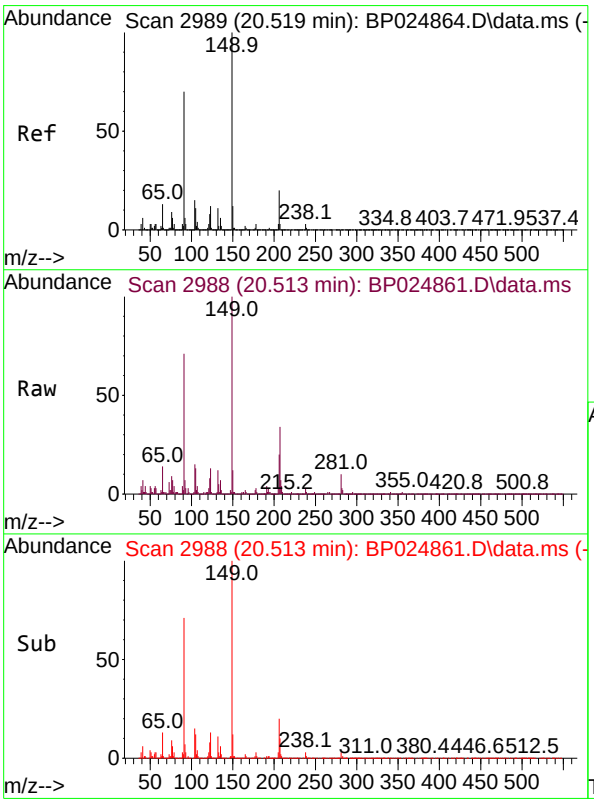
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	10.5	7.7	11.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

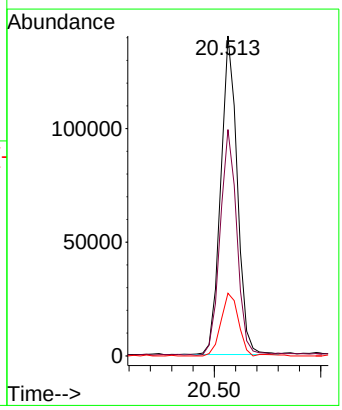
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

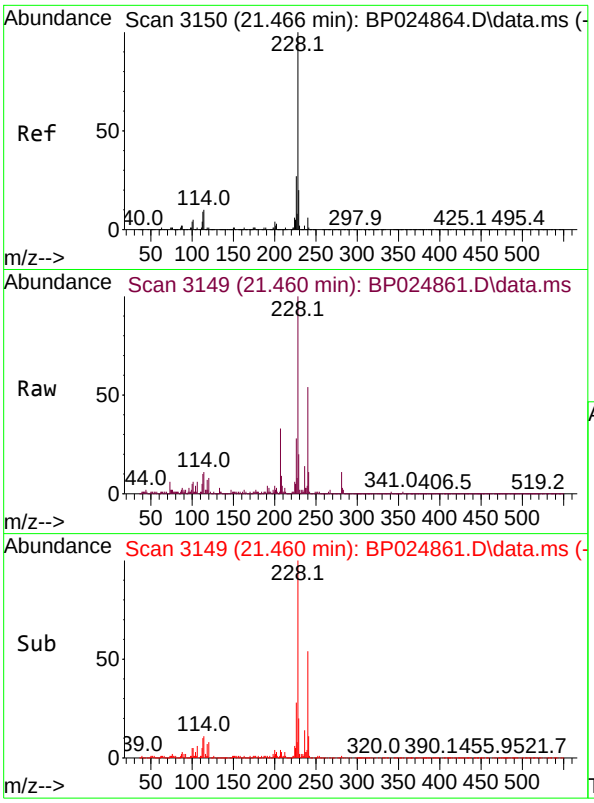


#80
Butylbenzylphthalate
Concen: 4.439 ng
RT: 20.513 min Scan# 2988
Delta R.T. -0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:149 Resp: 151685

Ion	Ratio	Lower	Upper
149	100		
91	70.7	55.8	83.8
206	19.6	16.2	24.2

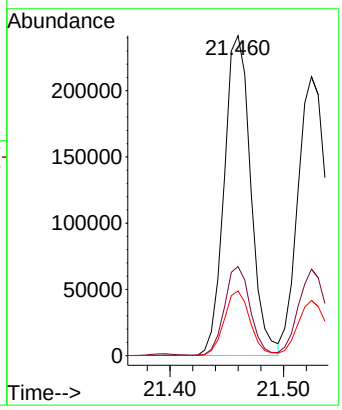




#81
Benzo(a)anthracene
Concen: 5.130 ng
RT: 21.460 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:228 Resp: 39177

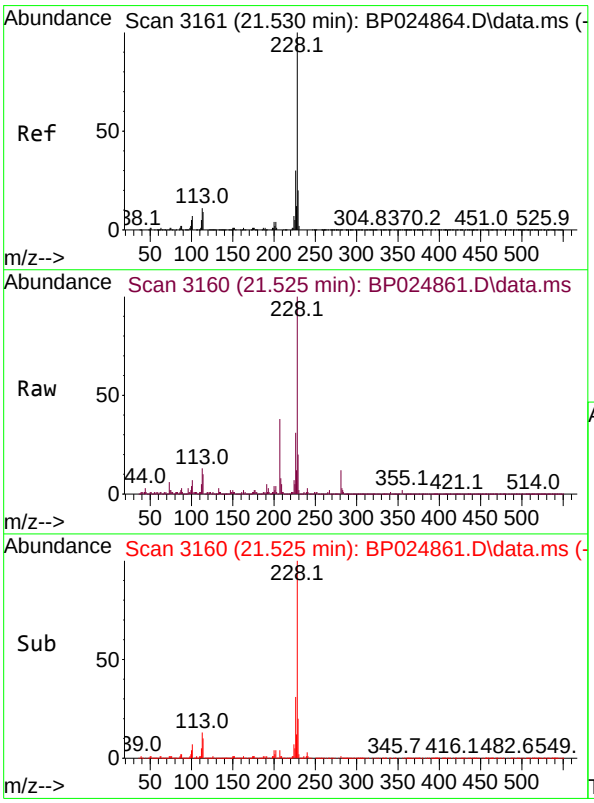
Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.1	33.1
229	20.2	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

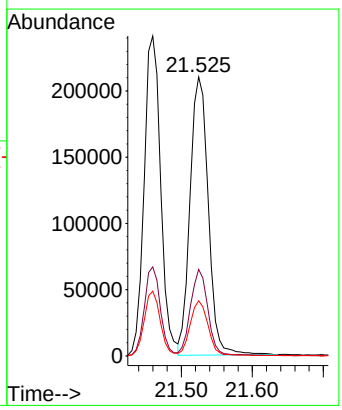
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

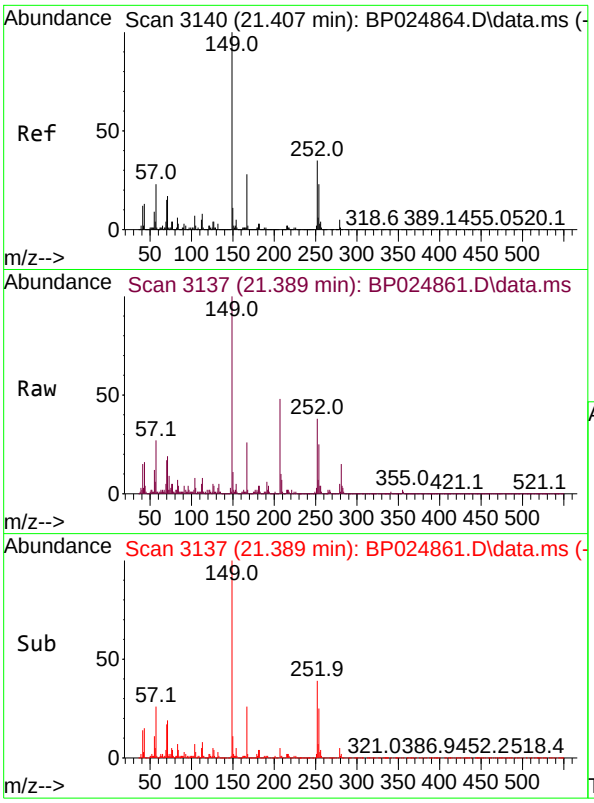


#83
Chrysene
Concen: 5.165 ng
RT: 21.525 min Scan# 3160
Delta R.T. -0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:228 Resp: 373726

Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.8	35.6
229	19.7	15.6	23.4





#84
Bis(2-ethylhexyl)phthalate
Concen: 4.362 ng
RT: 21.389 min Scan# 31
Delta R.T. -0.018 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

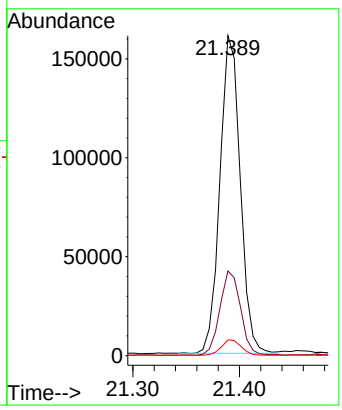
Tgt Ion:149 Resp: 213559

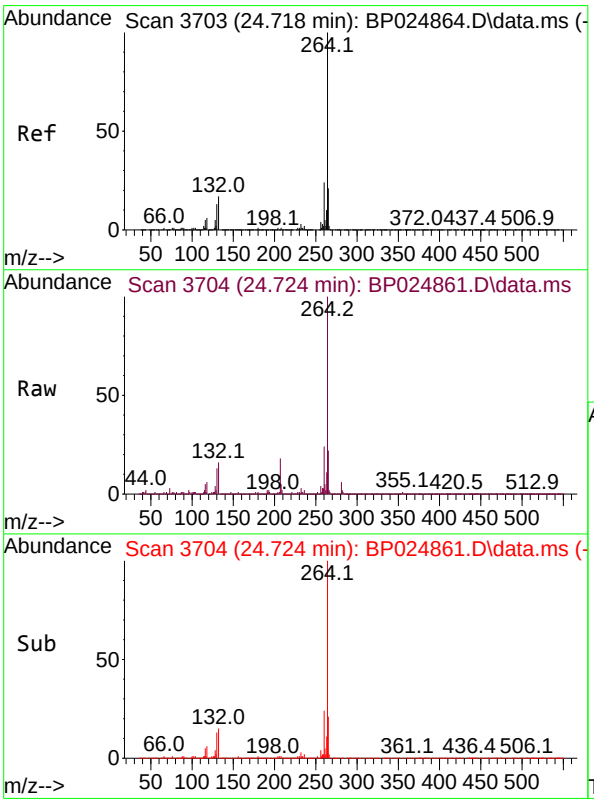
Ion	Ratio	Lower	Upper
149	100		
167	26.5	22.2	33.4
279	4.9	4.0	6.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

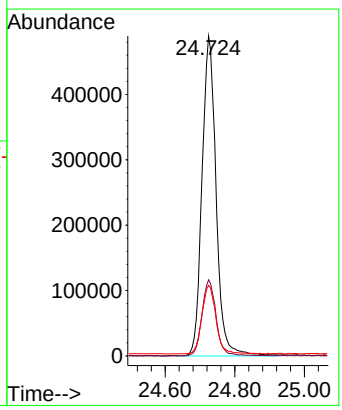


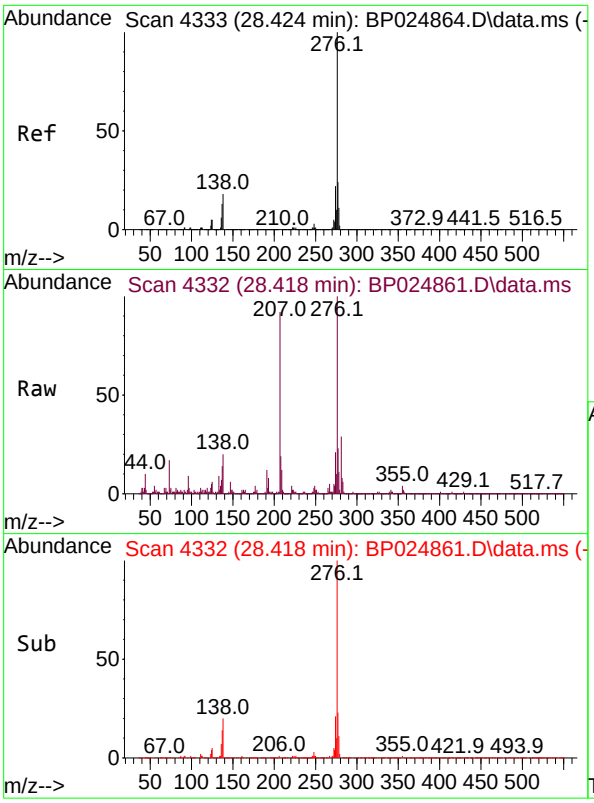


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.724 min Scan# 3704
Delta R.T. 0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:264 Resp: 1376894

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.0	28.4
265	22.0	17.4	26.0

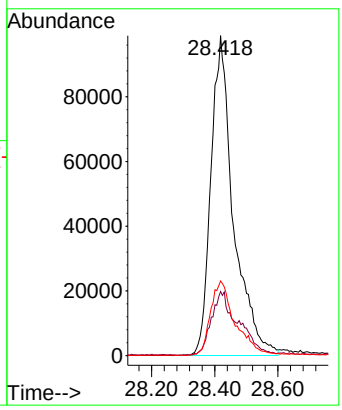




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.889 ng
RT: 28.418 min Scan# 4
Delta R.T. -0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:276 Resp: 49116

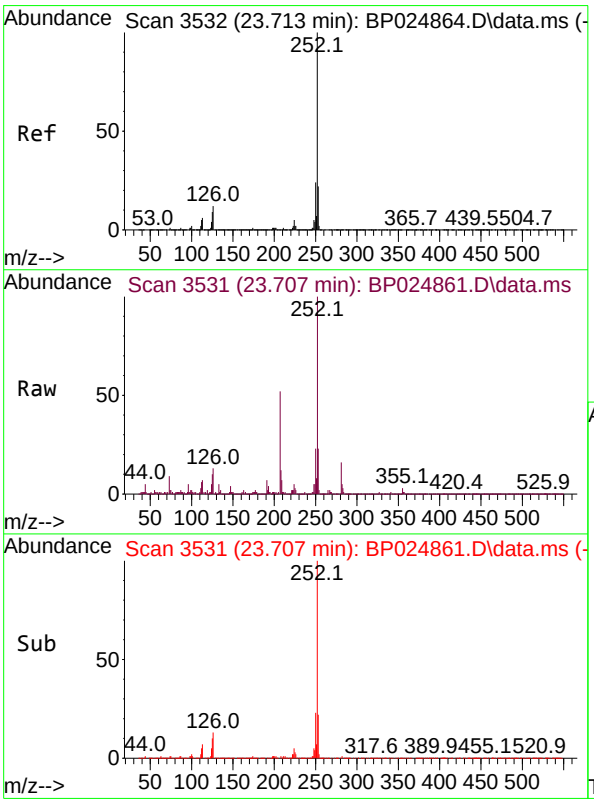
Ion	Ratio	Lower	Upper
276	100		
138	17.4	18.6	27.8
277	25.7	20.2	30.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

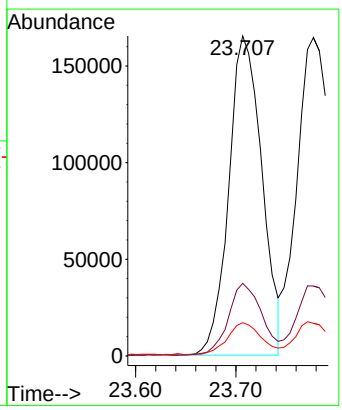
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

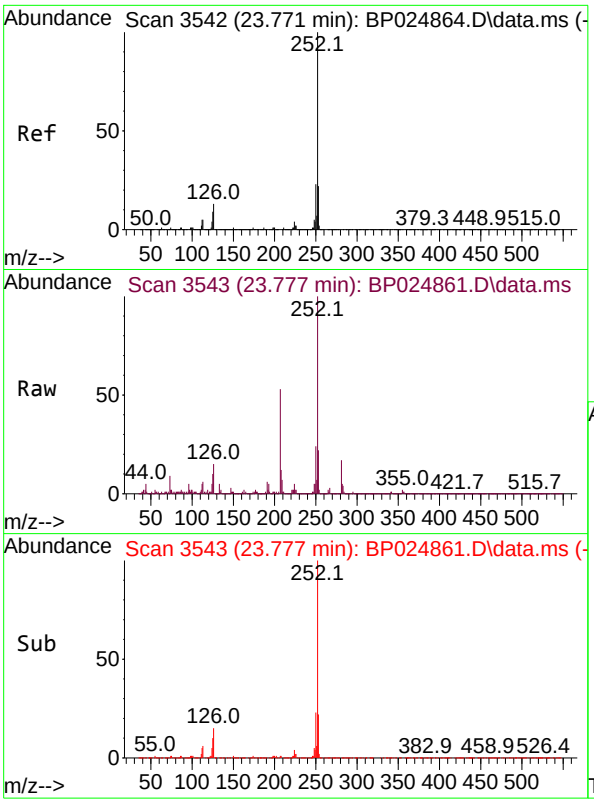


#88
Benzo(b)fluoranthene
Concen: 4.817 ng
RT: 23.707 min Scan# 3531
Delta R.T. -0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:252 Resp: 379596

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.6	26.4
125	10.4	7.1	10.7

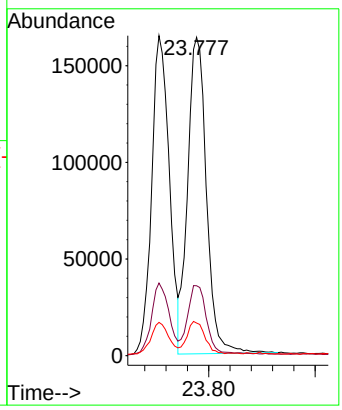




#89
Benzo(k)fluoranthene
Concen: 4.998 ng
RT: 23.777 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:252 Resp: 40087

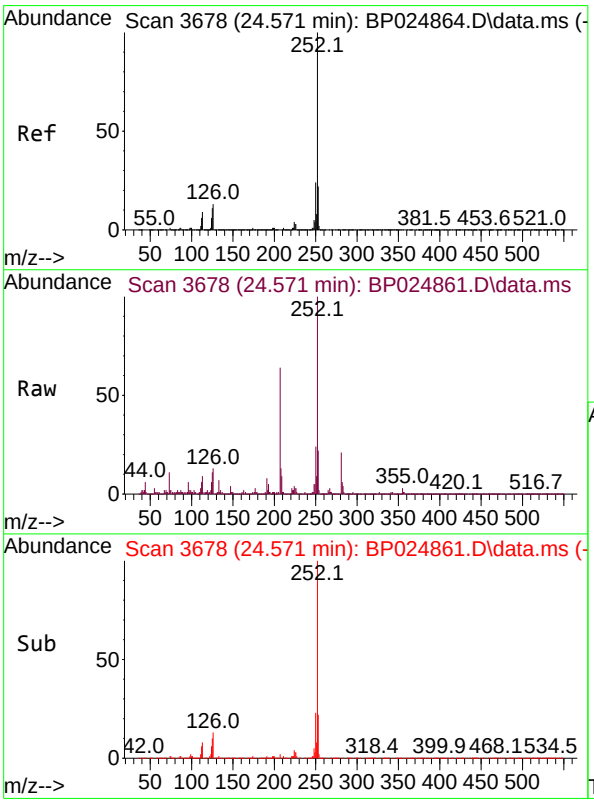
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	10.2	7.4	11.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

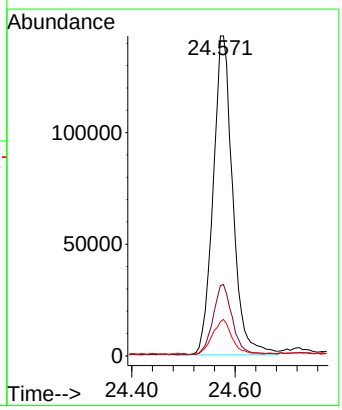
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

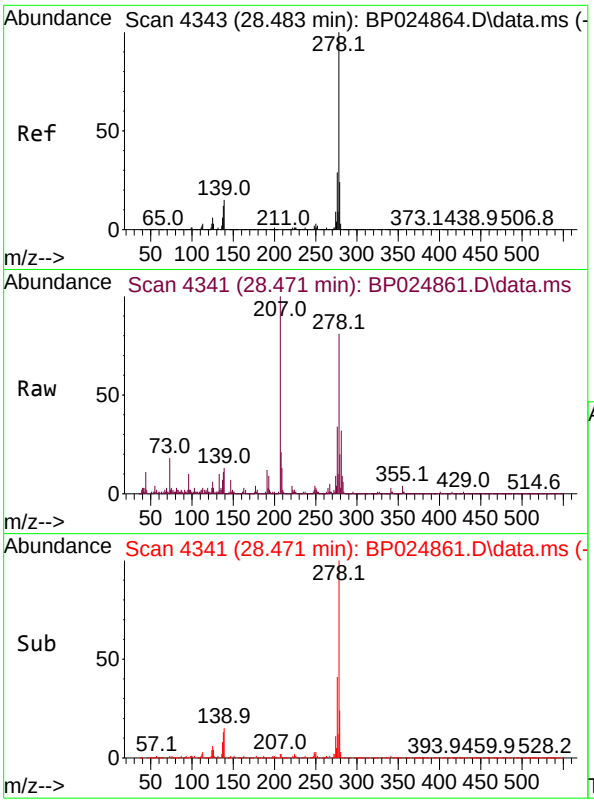


#90
Benzo(a)pyrene
Concen: 4.901 ng
RT: 24.571 min Scan# 3678
Delta R.T. 0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:252 Resp: 377184

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	10.7	8.8	13.2

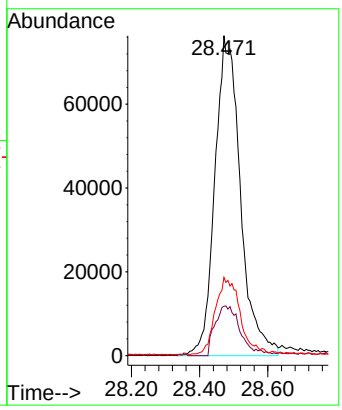




#91
Dibenzo(a,h)anthracene
Concen: 4.846 ng
RT: 28.471 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:278 Resp: 39628

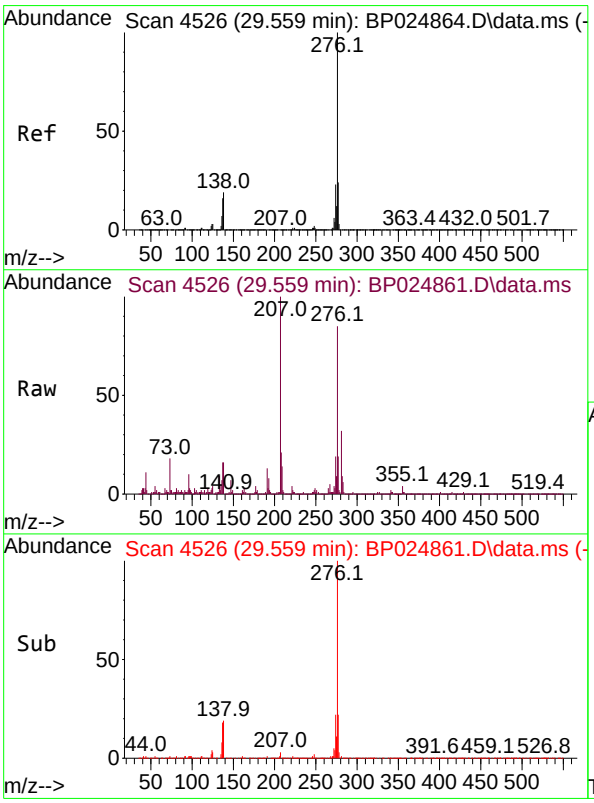
Ion	Ratio	Lower	Upper
278	100		
139	15.4	12.0	18.0
279	24.4	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

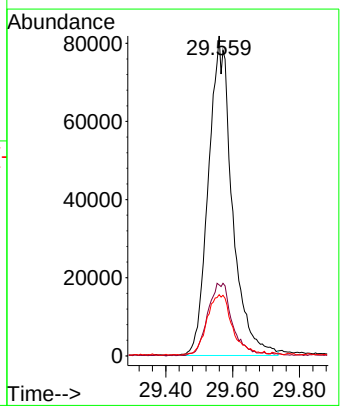
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025



#92
Benzo(g,h,i)perylene
Concen: 4.974 ng
RT: 29.559 min Scan# 4526
Delta R.T. 0.000 min
Lab File: BP024861.D
Acq: 06 Jun 2025 11:11

Tgt Ion:276 Resp: 403533

Ion	Ratio	Lower	Upper
276	100		
277	22.2	19.1	28.7
138	19.1	15.4	23.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024862.D
Acq On : 06 Jun 2025 11:52
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

Quant Time: Jun 06 15:59:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.613	152	222073	20.000	ng		0.00
21) Naphthalene-d8	10.378	136	929717	20.000	ng		0.00
39) Acenaphthene-d10	14.248	164	594373	20.000	ng		0.00
64) Phenanthrene-d10	17.048	188	1185891	20.000	ng		-0.01
76) Chrysene-d12	21.472	240	1377321	20.000	ng		-0.01
86) Perylene-d12	24.718	264	1582534	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.249	112	253023	19.018	ng		0.00
7) Phenol-d6	6.819	99	339256	19.273	ng		0.00
23) Nitrobenzene-d5	8.760	82	369077	19.290	ng		0.00
42) 2,4,6-Tribromophenol	15.772	330	156861	19.089	ng		-0.01
45) 2-Fluorobiphenyl	12.854	172	896004	20.308	ng		0.00
79) Terphenyl-d14	19.778	244	1478395	19.238	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.173	88	58704	10.028	ng		98
3) Pyridine	3.578	79	131346	9.330	ng		98
4) n-Nitrosodimethylamine	3.490	42	53104	9.227	ng	#	98
6) Aniline	6.961	93	210089	9.352	ng		99
8) 2-Chlorophenol	7.196	128	143265	9.499	ng		98
9) Benzaldehyde	6.772	77	115279m	11.330	ng		
10) Phenol	6.849	94	173645	9.569	ng		98
11) bis(2-Chloroethyl)ether	7.049	93	141777	9.934	ng		99
12) 1,3-Dichlorobenzene	7.502	146	168166	9.995	ng		99
13) 1,4-Dichlorobenzene	7.643	146	167333	9.857	ng		99
14) 1,2-Dichlorobenzene	7.960	146	181774	10.904	ng		98
15) Benzyl Alcohol	7.866	79	126194	9.341	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.131	45	192365	10.298	ng		96
17) 2-Methylphenol	8.078	107	127589	10.069	ng		98
18) Hexachloroethane	8.672	117	62735	9.815	ng		95
19) n-Nitroso-di-n-propyla...	8.413	70	122711	10.254	ng		97
20) 3+4-Methylphenols	8.408	107	167301	9.677	ng		94
22) Acetophenone	8.431	105	242331	10.317	ng	#	98
24) Nitrobenzene	8.802	77	163008	9.590	ng		99
25) Isophorone	9.325	82	315027	9.500	ng		100
26) 2-Nitrophenol	9.513	139	72892	8.692	ng		97
27) 2,4-Dimethylphenol	9.590	122	132781	9.251	ng		97
28) bis(2-Chloroethoxy)met...	9.802	93	189690	9.590	ng		98
29) 2,4-Dichlorophenol	10.072	162	126522	9.187	ng		99
30) 1,2,4-Trichlorobenzene	10.243	180	148252	9.544	ng		97
31) Naphthalene	10.425	128	474962	9.969	ng		99
32) Benzoic acid	9.731	122	74032m	7.736	ng		
33) 4-Chloroaniline	10.566	127	186400	9.338	ng		98
34) Hexachlorobutadiene	10.707	225	92498	9.880	ng		97
35) Caprolactam	11.337	113	45366	8.949	ng		98
36) 4-Chloro-3-methylphenol	11.707	107	149607	9.418	ng		97
37) 2-Methylnaphthalene	12.043	142	296478	9.810	ng		98
38) 1-Methylnaphthalene	12.266	142	316179	9.786	ng		99
40) 1,2,4,5-Tetrachloroben...	12.419	216	166771	9.888	ng		99
41) Hexachlorocyclopentadiene	12.396	237	76916	7.477	ng		97
43) 2,4,6-Trichlorophenol	12.684	196	104746	9.248	ng		97

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024862.D
Acq On : 06 Jun 2025 11:52
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

Quant Time: Jun 06 15:59:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.778	196	112735	9.294	ng	99
46) 1,1'-Biphenyl	13.072	154	432819	10.020	ng	99
47) 2-Chloronaphthalene	13.113	162	328060	9.882	ng	98
48) 2-Nitroaniline	13.337	65	96210	9.426	ng	100
49) Acenaphthylene	13.966	152	550191	9.939	ng	98
50) Dimethylphthalate	13.707	163	430821	9.826	ng	100
51) 2,6-Dinitrotoluene	13.831	165	89432	9.461	ng	93
52) Acenaphthene	14.313	154	316133	9.967	ng	98
53) 3-Nitroaniline	14.184	138	86690	8.838	ng	97
54) 2,4-Dinitrophenol	14.413	184	34890	10.838	ng	97
55) Dibenzofuran	14.660	168	511434	10.045	ng	100
56) 4-Nitrophenol	14.572	139	42087	10.135	ng	92
57) 2,4-Dinitrotoluene	14.643	165	123499	9.340	ng	97
58) Fluorene	15.319	166	414235	10.071	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.907	232	103935	9.573	ng	99
60) Diethylphthalate	15.090	149	437955	10.022	ng	98
61) 4-Chlorophenyl-phenyle...	15.319	204	198649	9.878	ng	98
62) 4-Nitroaniline	15.372	138	69780	7.841	ng	95
63) Azobenzene	15.619	77	396356	9.890	ng	99
65) 4,6-Dinitro-2-methylph...	15.425	198	60252	7.732	ng	92
66) n-Nitrosodiphenylamine	15.537	169	360674	9.812	ng	98
67) 4-Bromophenyl-phenylether	16.231	248	127516	9.530	ng	98
68) Hexachlorobenzene	16.342	284	158870	9.794	ng	97
69) Atrazine	16.519	200	125777	9.439	ng	99
70) Pentachlorophenol	16.719	266	62407	7.434	ng	98
71) Phenanthrene	17.089	178	657004	10.025	ng	99
72) Anthracene	17.195	178	648264	9.767	ng	99
73) Carbazole	17.484	167	600475	9.761	ng	100
74) Di-n-butylphthalate	18.060	149	738469	9.688	ng	99
75) Fluoranthene	19.183	202	763158	10.047	ng	98
77) Benzidine	19.401	184	352835	8.271	ng	99
78) Pyrene	19.554	202	823026	9.565	ng	99
80) Butylbenzylphthalate	20.507	149	364314	9.243	ng	97
81) Benzo(a)anthracene	21.448	228	850043	9.650	ng	99
82) 3,3'-Dichlorobenzidine	21.377	252	322154	9.212	ng	99
83) Chrysene	21.519	228	808582	9.687	ng	100
84) Bis(2-ethylhexyl)phtha...	21.389	149	536981	9.509	ng	100
85) Di-n-octyl phthalate	22.619	149	909174	9.134	ng	99
87) Indeno(1,2,3-cd)pyrene	28.395	276	1109298	9.607	ng	99
88) Benzo(b)fluoranthene	23.689	252	873515m	9.645	ng	
89) Benzo(k)fluoranthene	23.760	252	905265	9.819	ng	99
90) Benzo(a)pyrene	24.566	252	845698	9.562	ng	99
91) Dibenzo(a,h)anthracene	28.459	278	904527	9.624	ng	99
92) Benzo(g,h,i)perylene	29.542	276	891492	9.560	ng	97

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

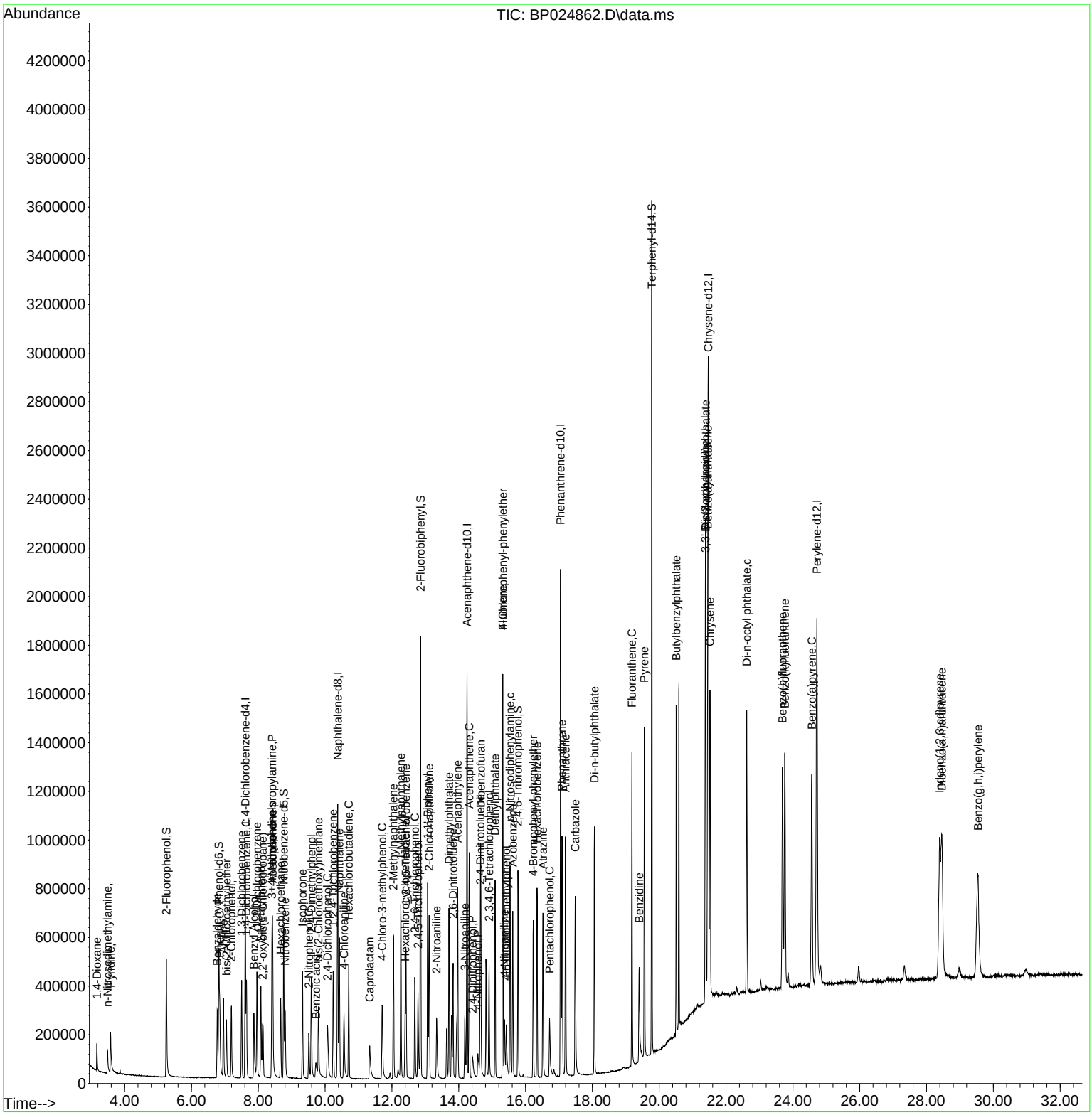
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Data File : BP024862.D
Acq On : 06 Jun 2025 11:52
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

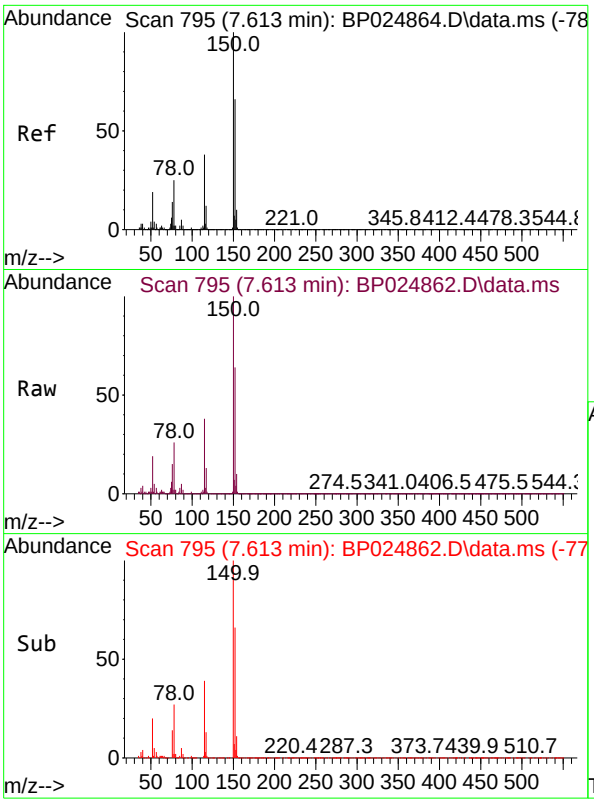
Quant Time: Jun 06 15:59:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

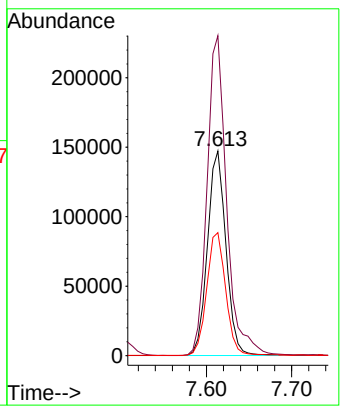




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.613 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:152 Resp: 22207

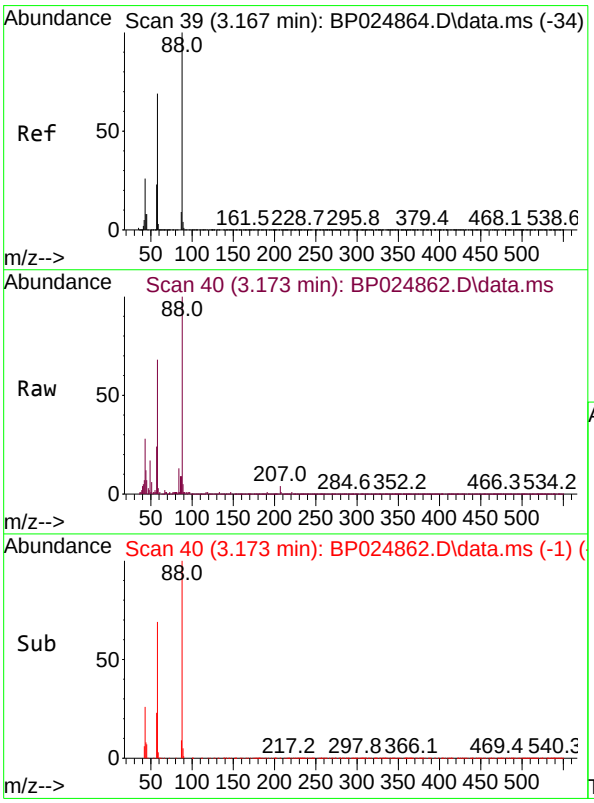
Ion	Ratio	Lower	Upper
152	100		
150	156.5	122.1	183.1
115	60.1	46.4	69.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

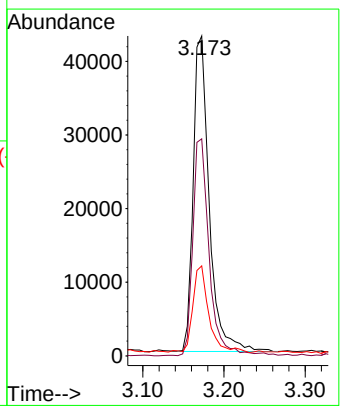
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

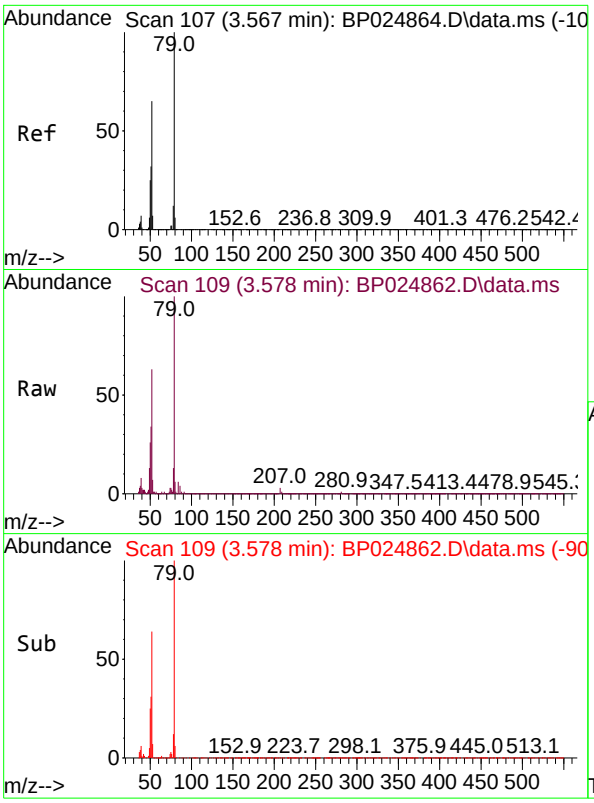


#2
1,4-Dioxane
Concen: 10.028 ng
RT: 3.173 min Scan# 40
Delta R.T. 0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion: 88 Resp: 58704

Ion	Ratio	Lower	Upper
88	100		
58	70.3	55.4	83.0
43	27.4	20.8	31.2

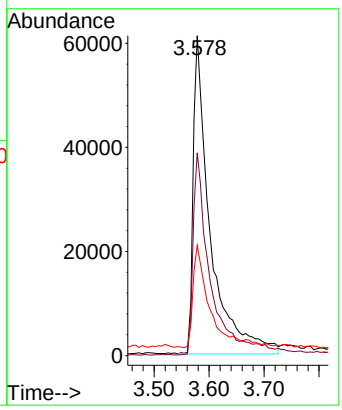




#3
Pyridine
Concen: 9.330 ng
RT: 3.578 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion: 79 Resp: 13134

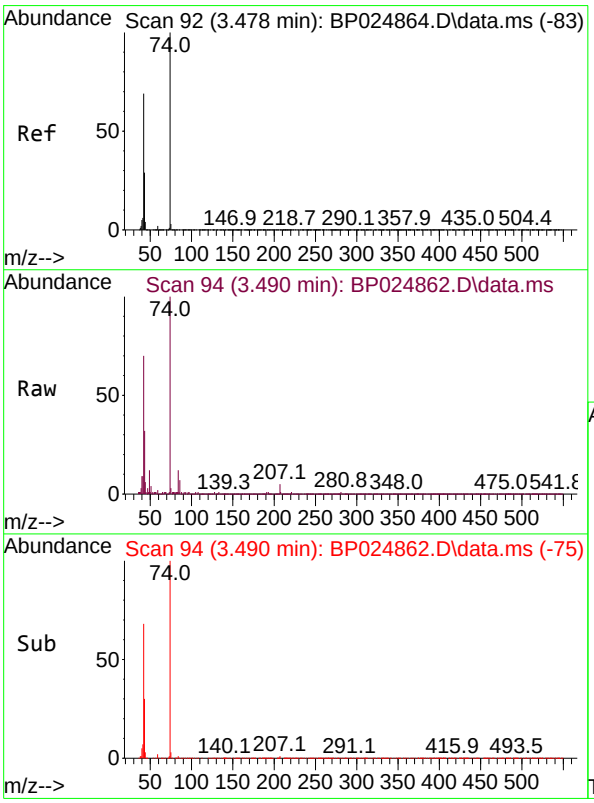
Ion	Ratio	Lower	Upper
79	100		
52	63.4	51.6	77.4
51	34.4	25.5	38.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

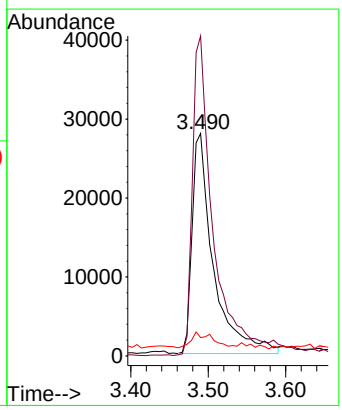
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

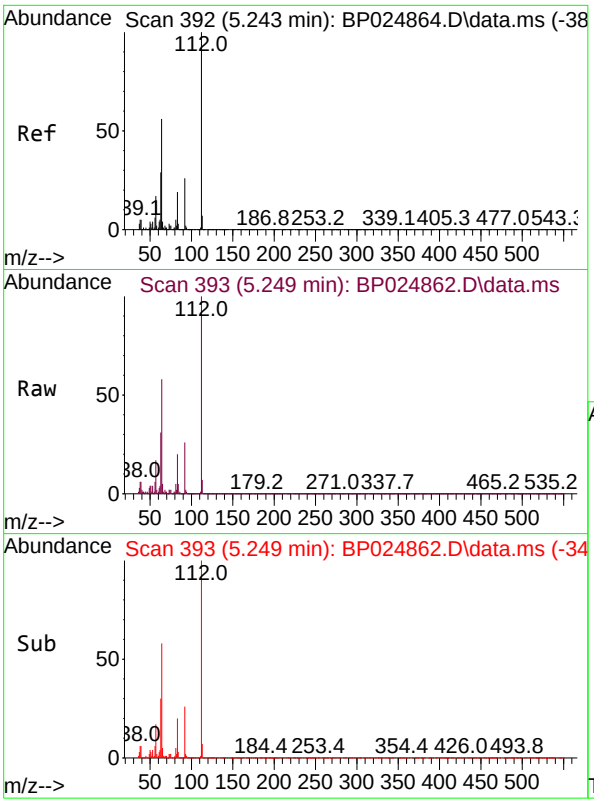


#4
n-Nitrosodimethylamine
Concen: 9.227 ng
RT: 3.490 min Scan# 94
Delta R.T. 0.012 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion: 42 Resp: 53104

Ion	Ratio	Lower	Upper
42	100		
74	143.9	116.6	174.8
44	8.2	5.4	8.0#





#5
2-Fluorophenol
Concen: 19.018 ng
RT: 5.249 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

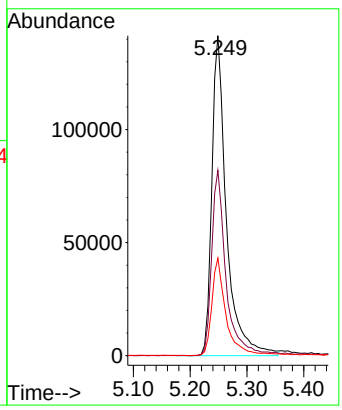
Tgt Ion:112 Resp: 25302

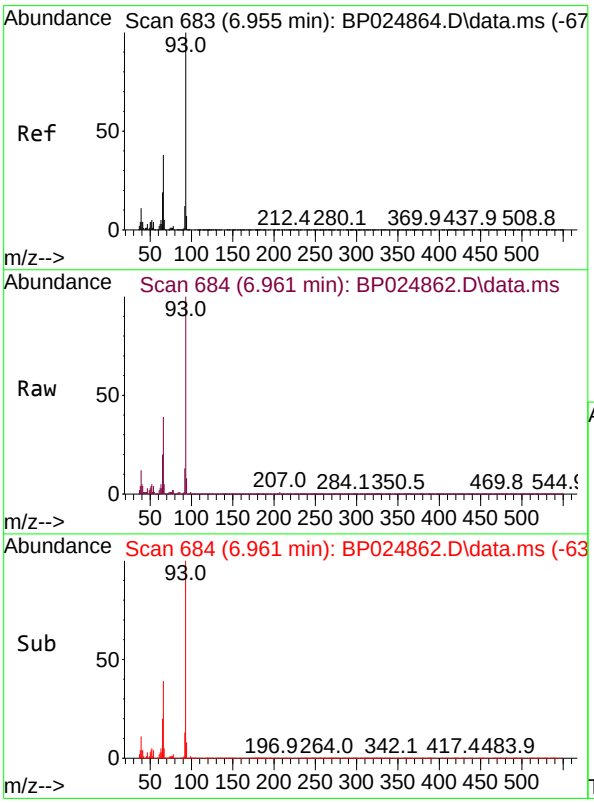
Ion	Ratio	Lower	Upper
112	100		
64	57.9	44.7	67.1
63	30.5	23.5	35.3

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

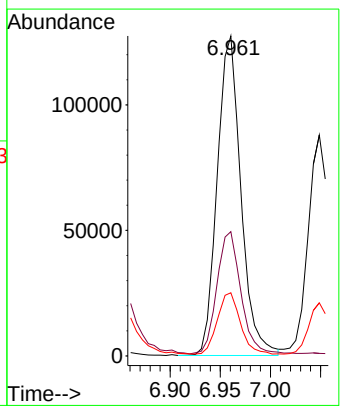


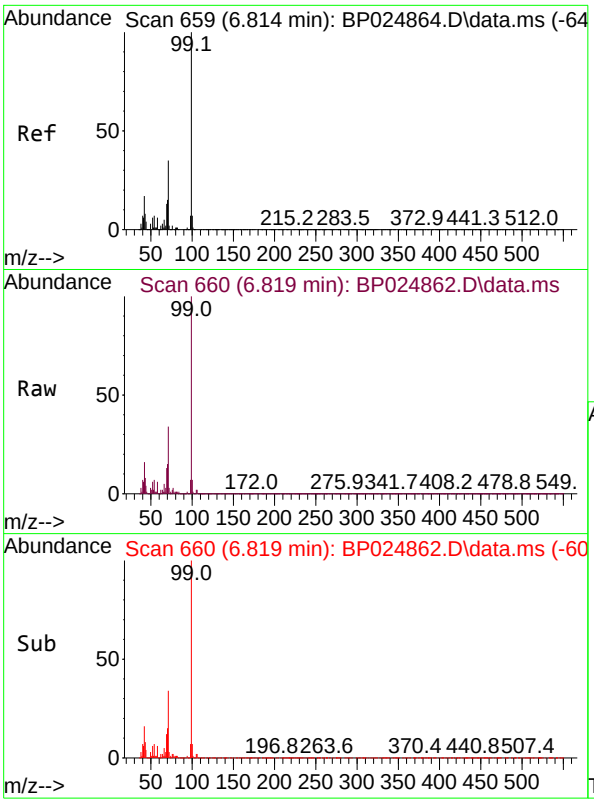


#6
Aniline
Concen: 9.352 ng
RT: 6.961 min Scan# 684
Delta R.T. 0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion: 93 Resp: 210089

Ion	Ratio	Lower	Upper
93	100		
66	38.8	30.9	46.3
65	19.7	15.5	23.3

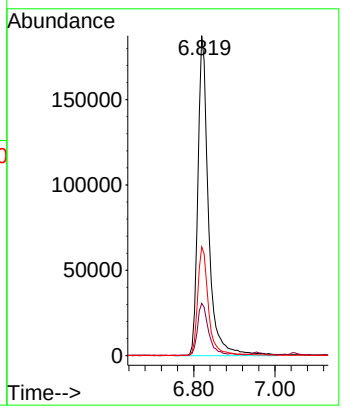




#7
Phenol-d6
Concen: 19.273 ng
RT: 6.819 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion: 99 Resp: 33925

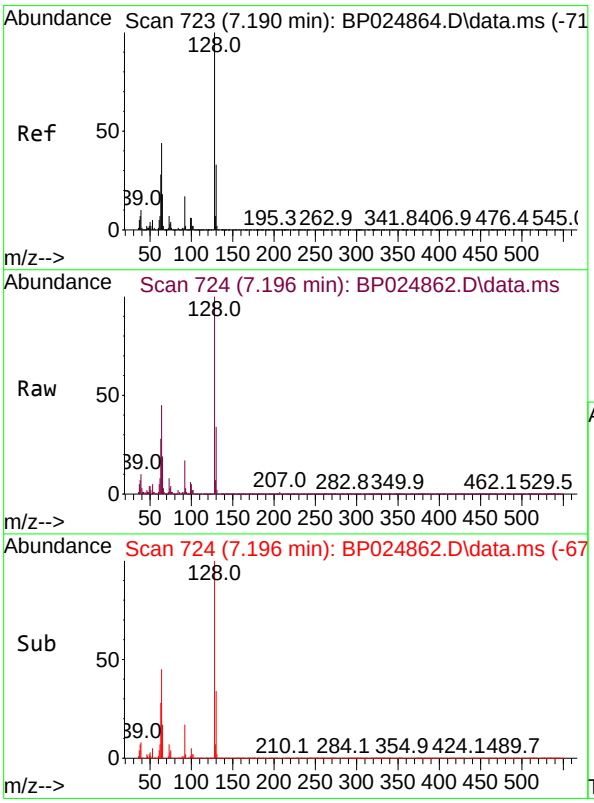
Ion	Ratio	Lower	Upper
99	100		
42	16.3	13.4	20.2
71	34.0	27.6	41.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

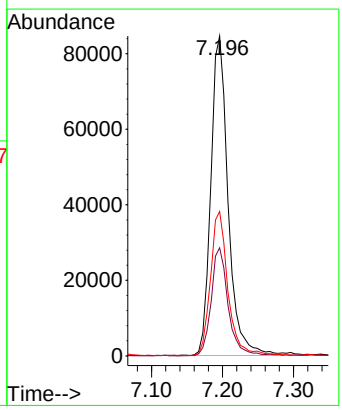
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

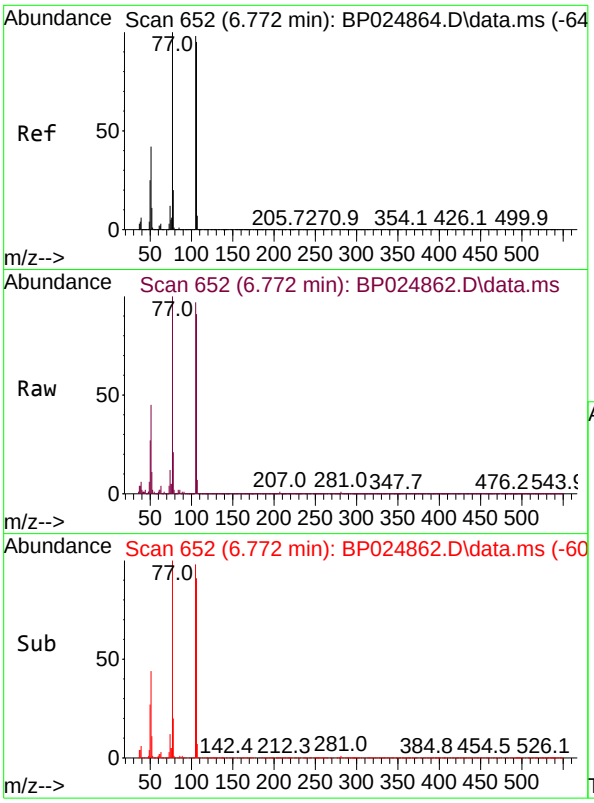


#8
2-Chlorophenol
Concen: 9.499 ng
RT: 7.196 min Scan# 724
Delta R.T. 0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:128 Resp: 143265

Ion	Ratio	Lower	Upper
128	100		
130	33.8	12.6	52.6
64	45.2	24.1	64.1

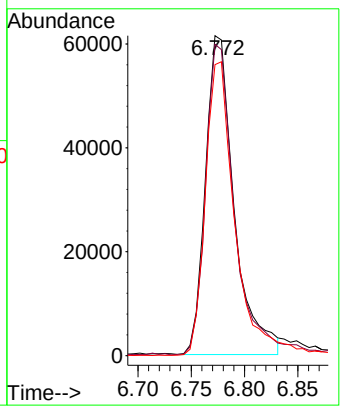




#9
Benzaldehyde
Concen: 11.330 ng m
RT: 6.772 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion: 77 Resp: 11527

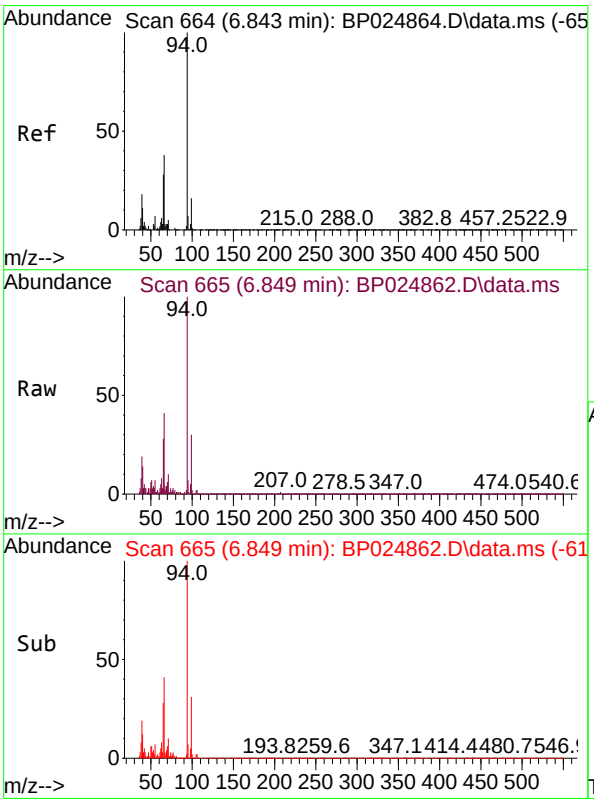
Ion	Ratio	Lower	Upper
77	100		
105	97.3	77.7	117.7
106	90.9	74.8	114.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

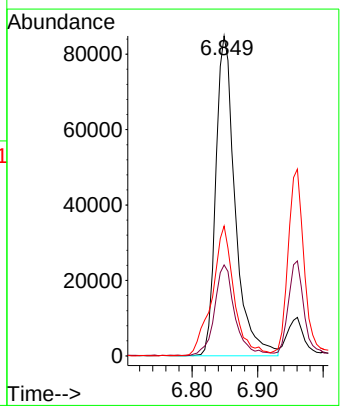
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

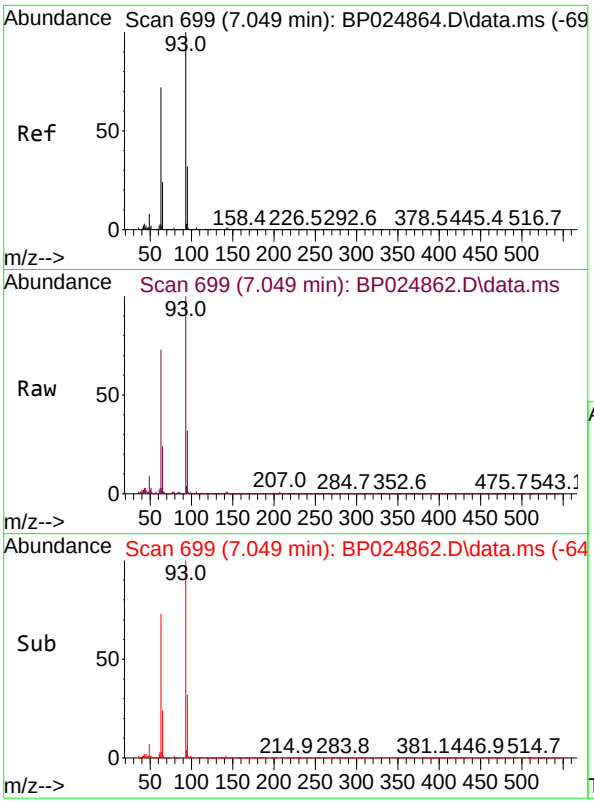


#10
Phenol
Concen: 9.569 ng
RT: 6.849 min Scan# 665
Delta R.T. 0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion: 94 Resp: 173645

Ion	Ratio	Lower	Upper
94	100		
65	28.4	8.3	48.3
66	40.6	18.2	58.2

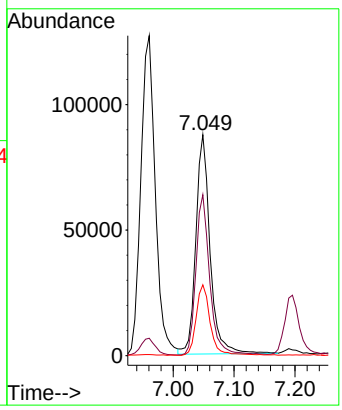




#11
bis(2-Chloroethyl)ether
Concen: 9.934 ng
RT: 7.049 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion: 93 Resp: 14177

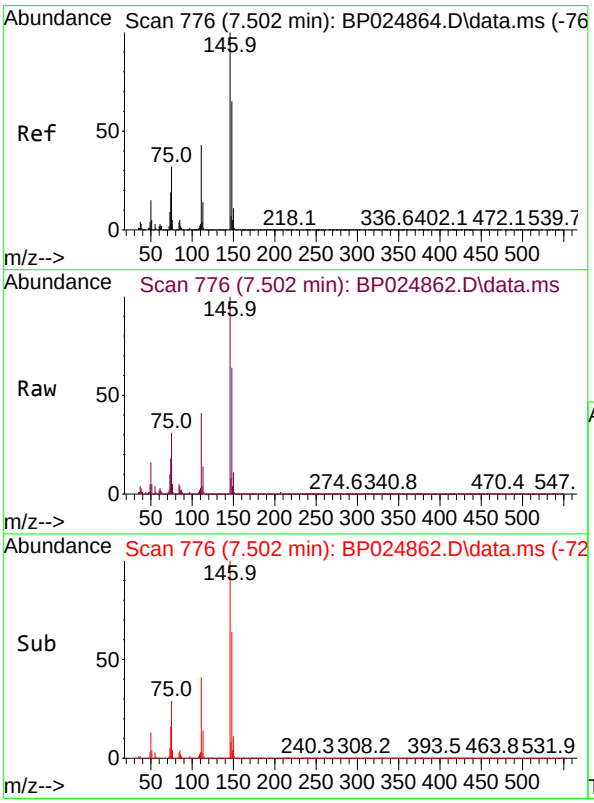
Ion	Ratio	Lower	Upper
93	100		
63	72.9	51.6	91.6
95	32.1	12.1	52.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

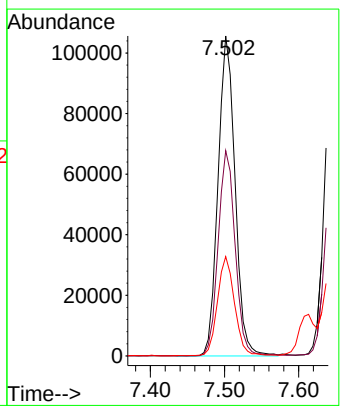
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

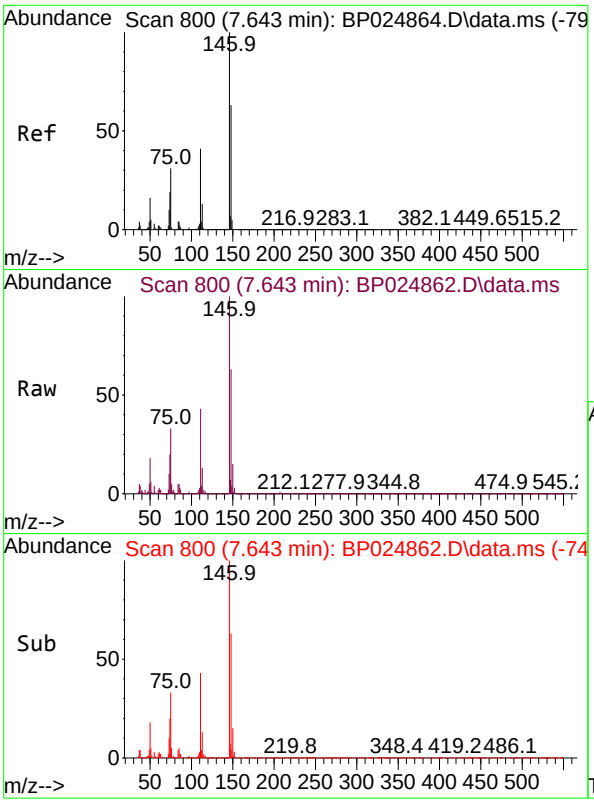


#12
1,3-Dichlorobenzene
Concen: 9.995 ng
RT: 7.502 min Scan# 776
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:146 Resp: 168166

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.8	77.8
75	31.0	25.3	37.9

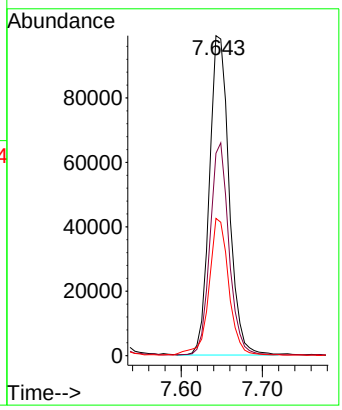




#13
1,4-Dichlorobenzene
Concen: 9.857 ng
RT: 7.643 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:146 Resp: 16733

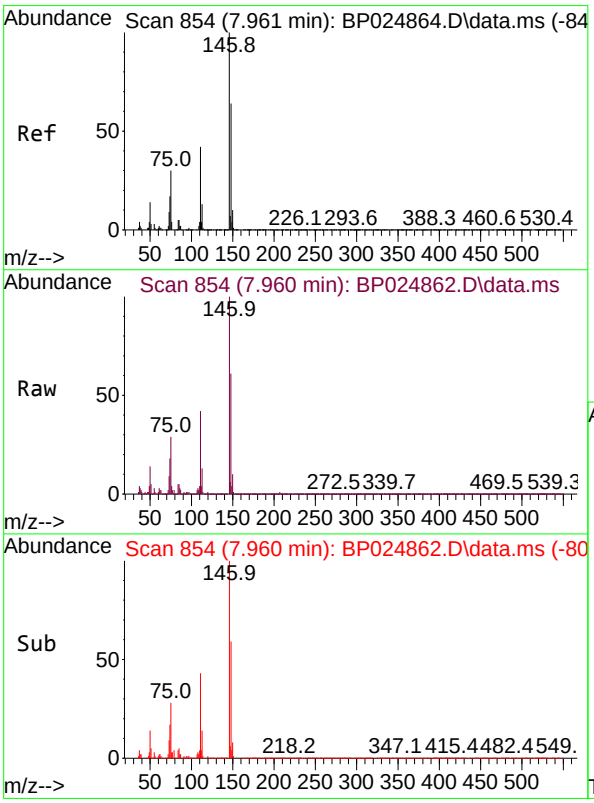
Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.8	76.2
111	42.9	32.7	49.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

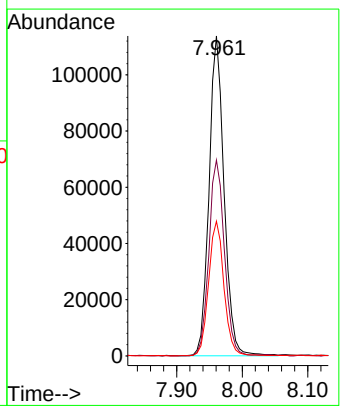
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

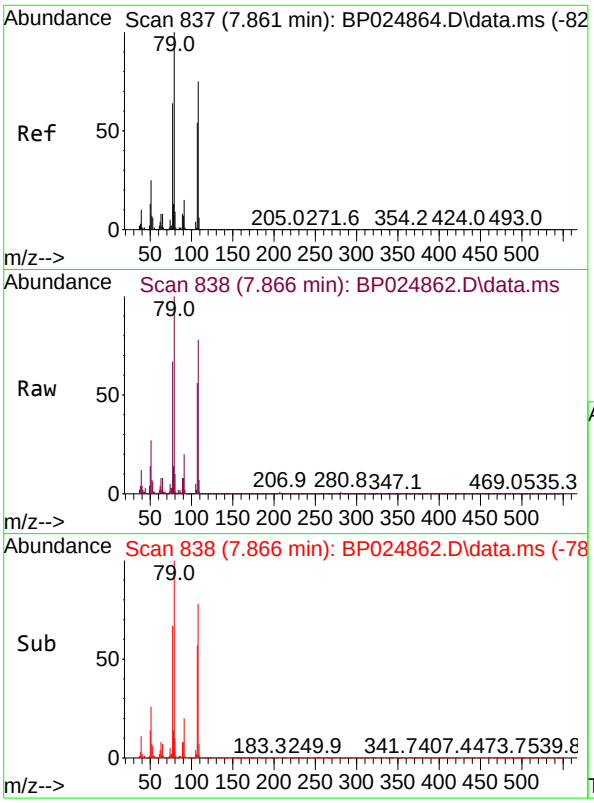


#14
1,2-Dichlorobenzene
Concen: 10.904 ng
RT: 7.960 min Scan# 854
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:146 Resp: 181774

Ion	Ratio	Lower	Upper
146	100		
148	61.2	51.0	76.4
111	42.1	33.8	50.8

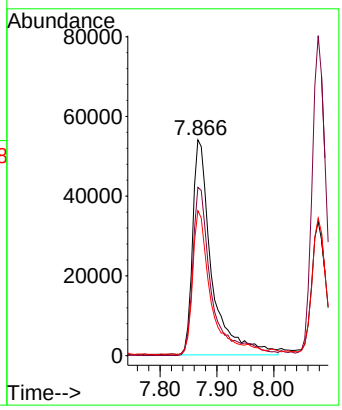




#15
Benzyl Alcohol
Concen: 9.341 ng
RT: 7.866 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion: 79 Resp: 12619

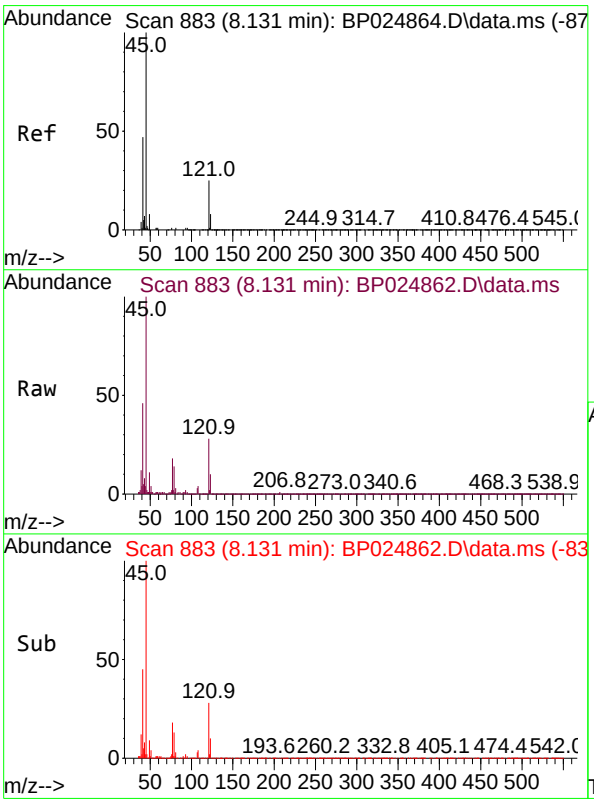
Ion	Ratio	Lower	Upper
79	100		
108	78.0	60.2	90.4
77	67.2	51.2	76.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

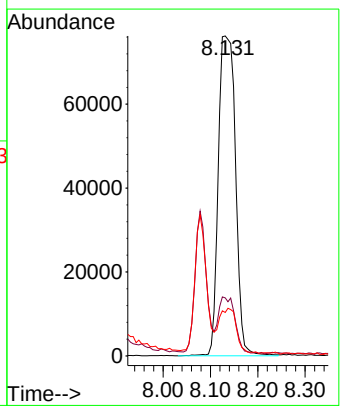
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

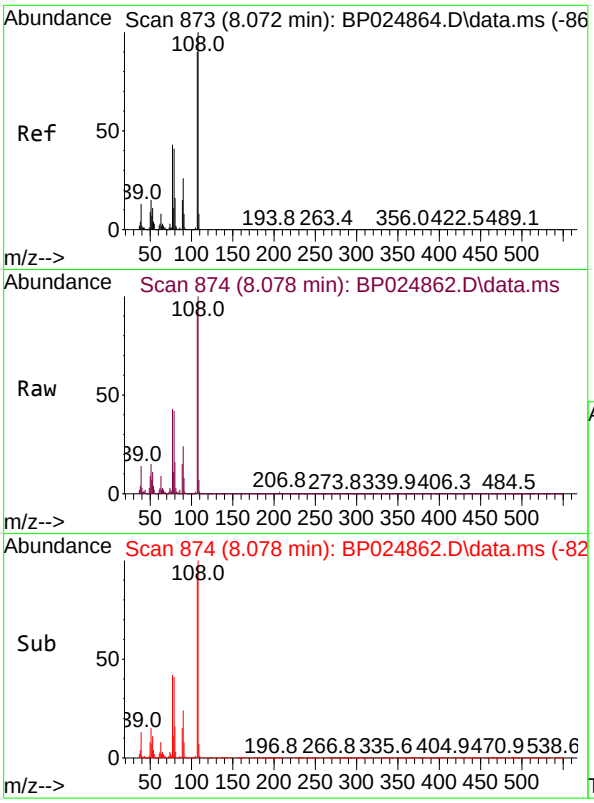


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.298 ng
RT: 8.131 min Scan# 883
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion: 45 Resp: 192365

Ion	Ratio	Lower	Upper
45	100		
77	18.1	0.0	36.3
79	13.6	0.0	32.2

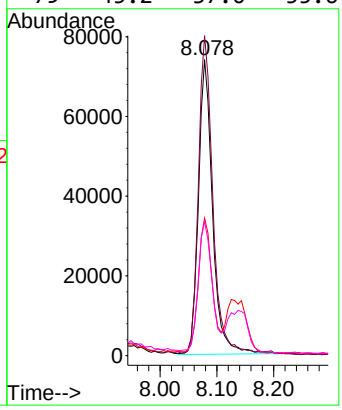




#17
2-Methylphenol
Concen: 10.069 ng
RT: 8.078 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:107 Resp: 12758

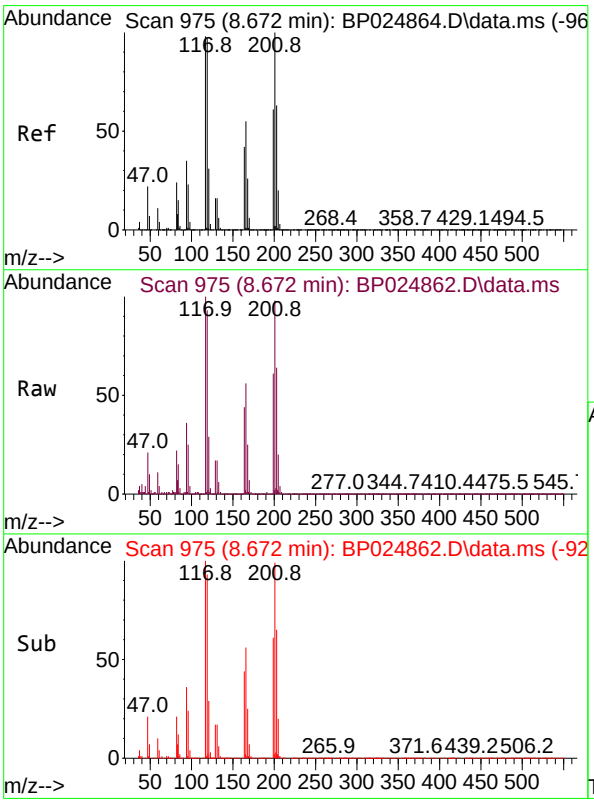
Ion	Ratio	Lower	Upper
107	100		
108	108.1	88.6	132.8
77	46.5	38.5	57.7
79	45.2	37.0	55.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

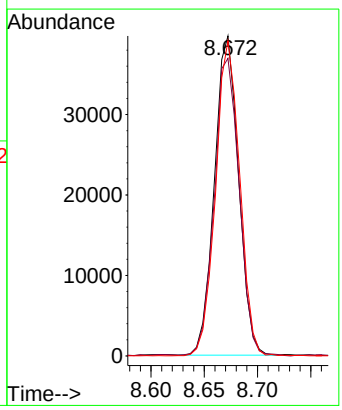
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

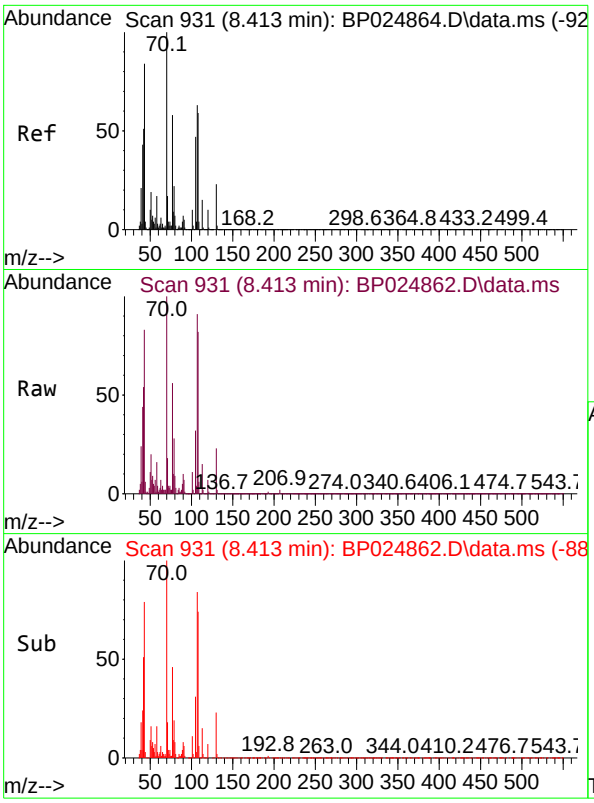


#18
Hexachloroethane
Concen: 9.815 ng
RT: 8.672 min Scan# 975
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:117 Resp: 62735

Ion	Ratio	Lower	Upper
117	100		
119	93.0	79.4	119.2
201	98.5	81.4	122.2

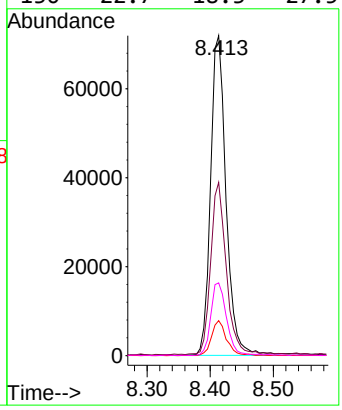




#19
n-Nitroso-di-n-propylamine
Concen: 10.254 ng
RT: 8.413 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion: 70 Resp: 12271

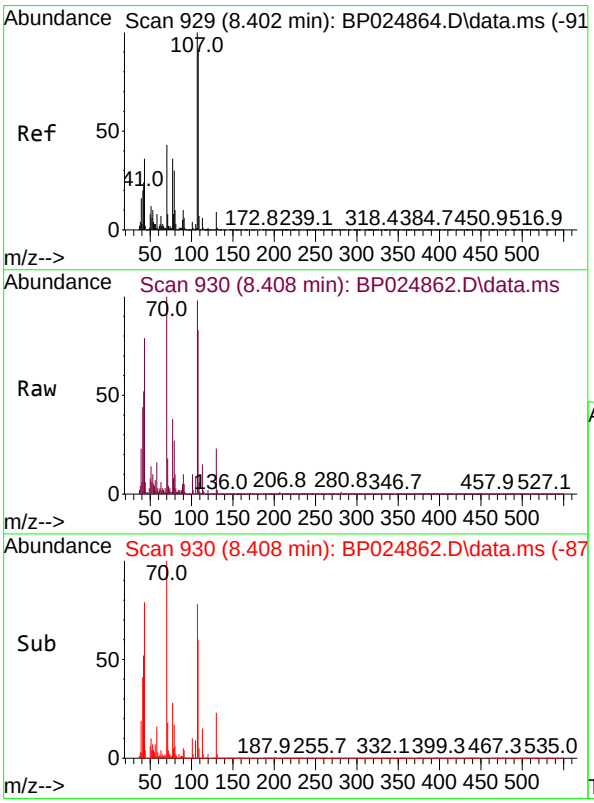
Ion	Ratio	Lower	Upper
70	100		
42	54.1	41.2	61.8
101	10.9	8.3	12.5
130	22.7	18.3	27.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

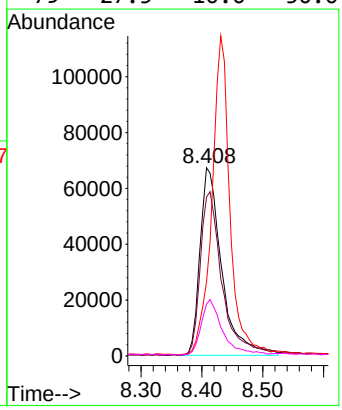
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

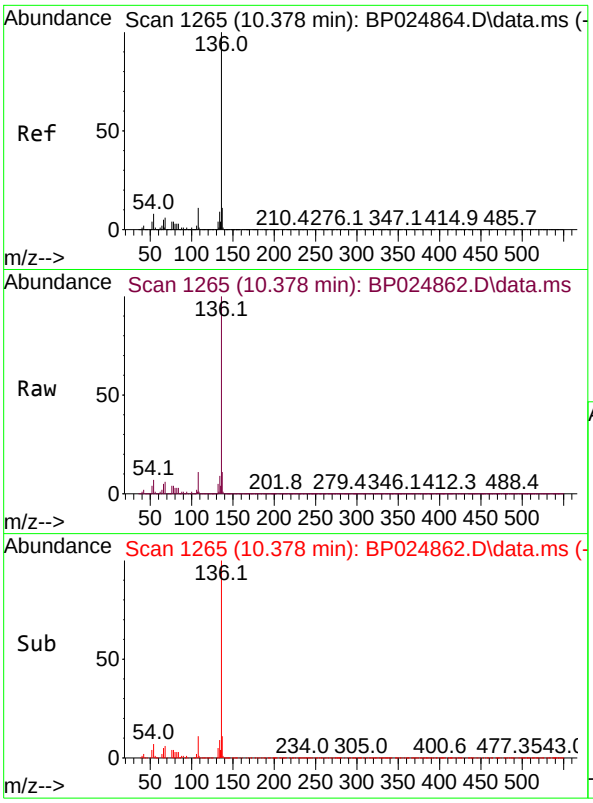


#20
3+4-Methylphenols
Concen: 9.677 ng
RT: 8.408 min Scan# 930
Delta R.T. 0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:107 Resp: 167301

Ion	Ratio	Lower	Upper
107	100		
108	84.4	70.7	110.7
77	39.3	16.6	56.6
79	27.5	10.0	50.0

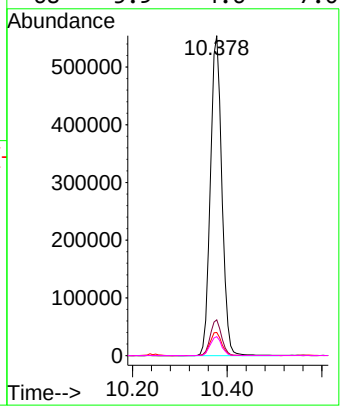




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:136 Resp: 92971

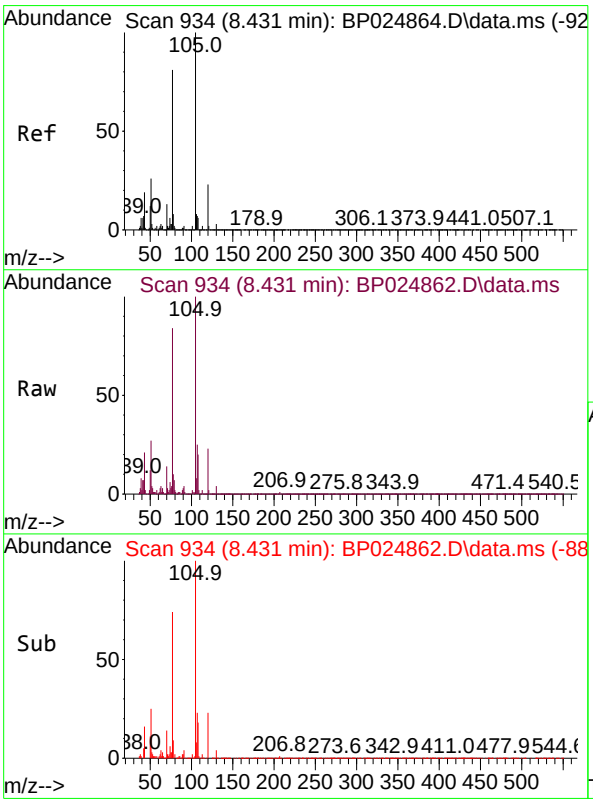
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.2	6.1	9.1
68	5.9	4.6	7.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

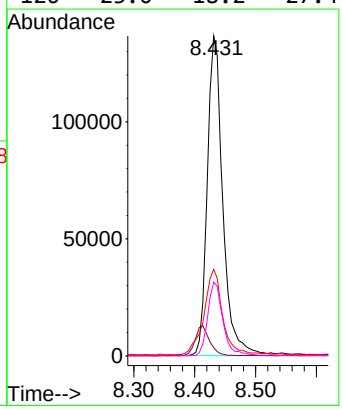
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

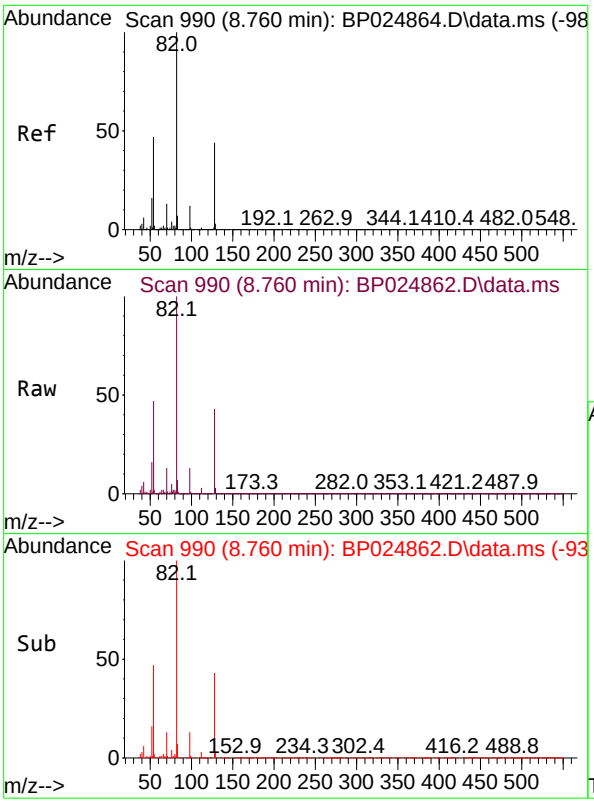


#22
Acetophenone
Concen: 10.317 ng
RT: 8.431 min Scan# 934
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:105 Resp: 242331

Ion	Ratio	Lower	Upper
105	100		
71	2.6	1.6	2.4#
51	27.0	20.6	31.0
120	23.0	18.2	27.4

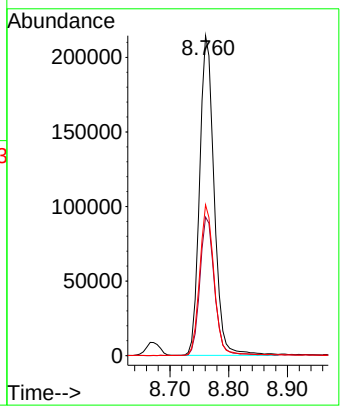




#23
Nitrobenzene-d5
Concen: 19.290 ng
RT: 8.760 min Scan# 99
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion: 82 Resp: 369077

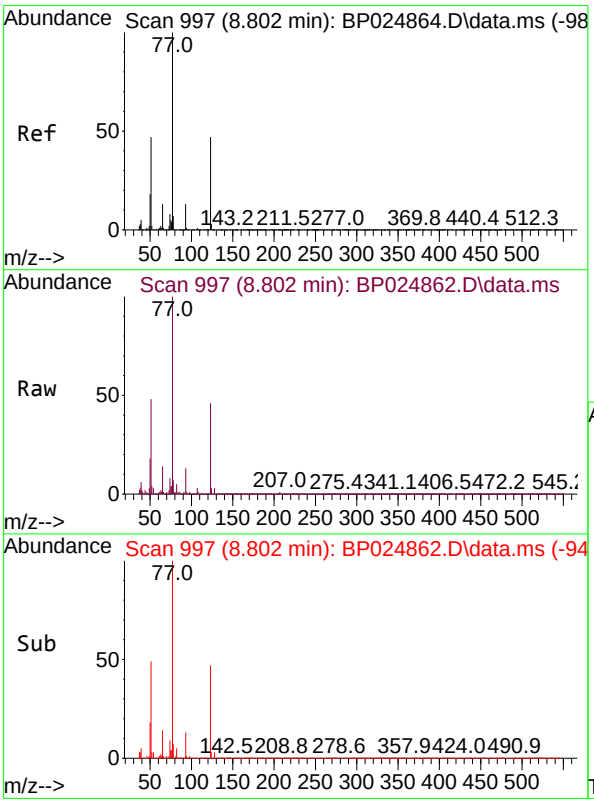
Ion	Ratio	Lower	Upper
82	100		
128	43.3	35.3	52.9
54	47.2	37.4	56.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

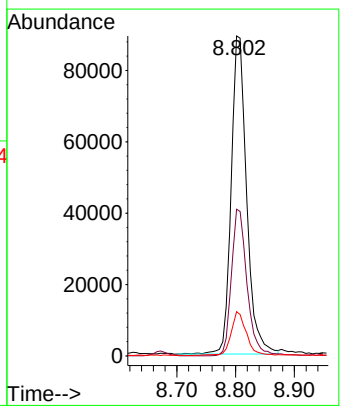
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

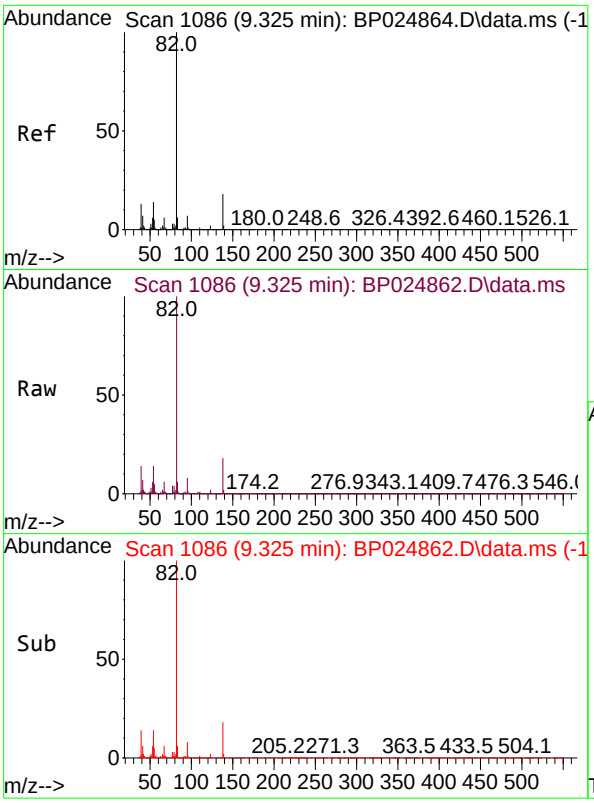


#24
Nitrobenzene
Concen: 9.590 ng
RT: 8.802 min Scan# 997
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion: 77 Resp: 163008

Ion	Ratio	Lower	Upper
77	100		
123	45.8	37.3	55.9
65	13.8	10.8	16.2





#25
Isophorone
Concen: 9.500 ng
RT: 9.325 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

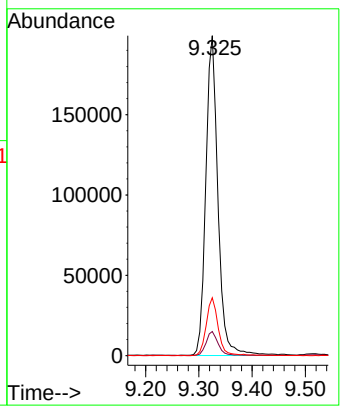
Tgt Ion: 82 Resp: 31502

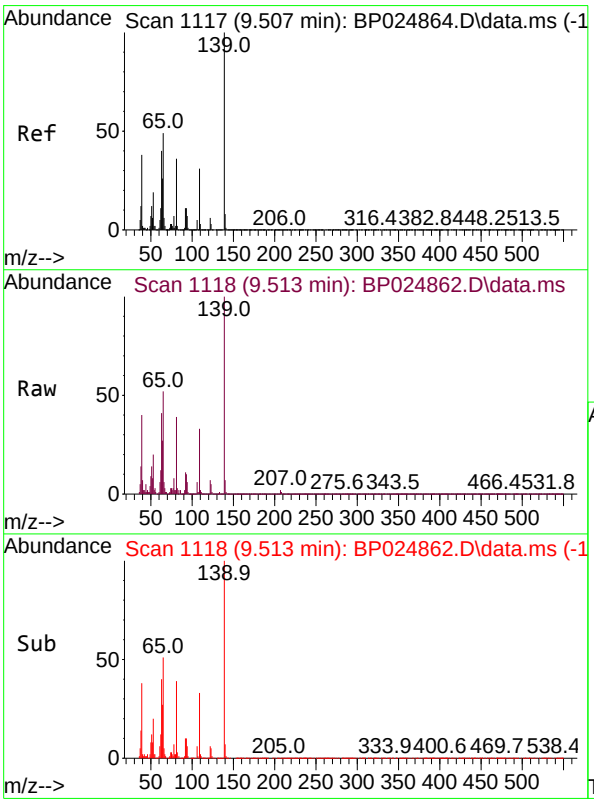
Ion	Ratio	Lower	Upper
82	100		
95	7.5	5.9	8.9
138	18.1	14.6	21.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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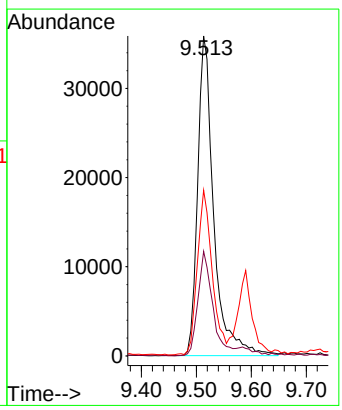


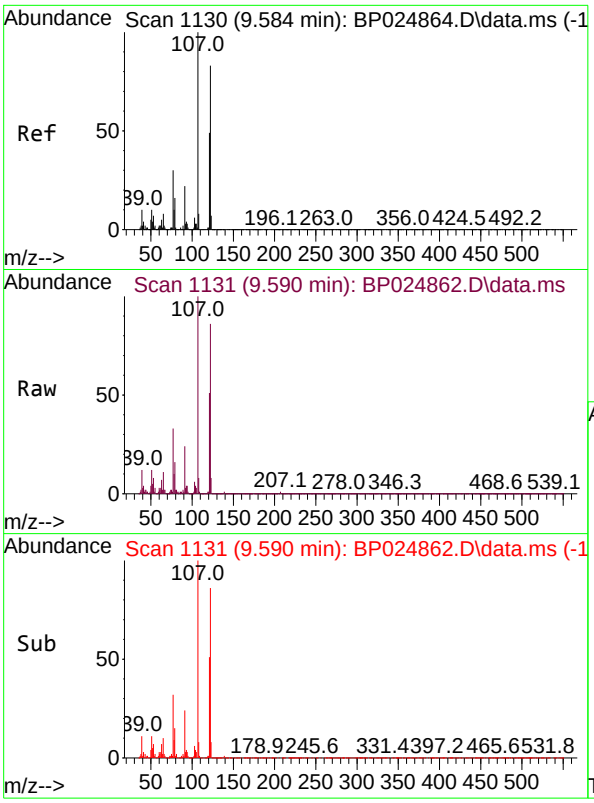


#26
2-Nitrophenol
Concen: 8.692 ng
RT: 9.513 min Scan# 1118
Delta R.T. 0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:139 Resp: 72892

Ion	Ratio	Lower	Upper
139	100		
109	32.7	24.6	37.0
65	51.8	39.5	59.3

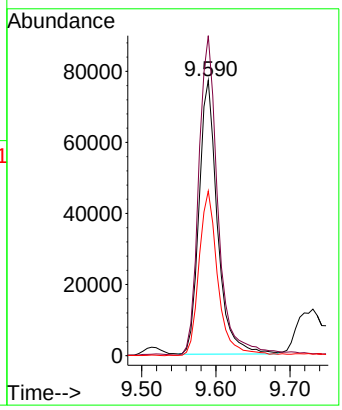




#27
2,4-Dimethylphenol
Concen: 9.251 ng
RT: 9.590 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:122 Resp: 13278

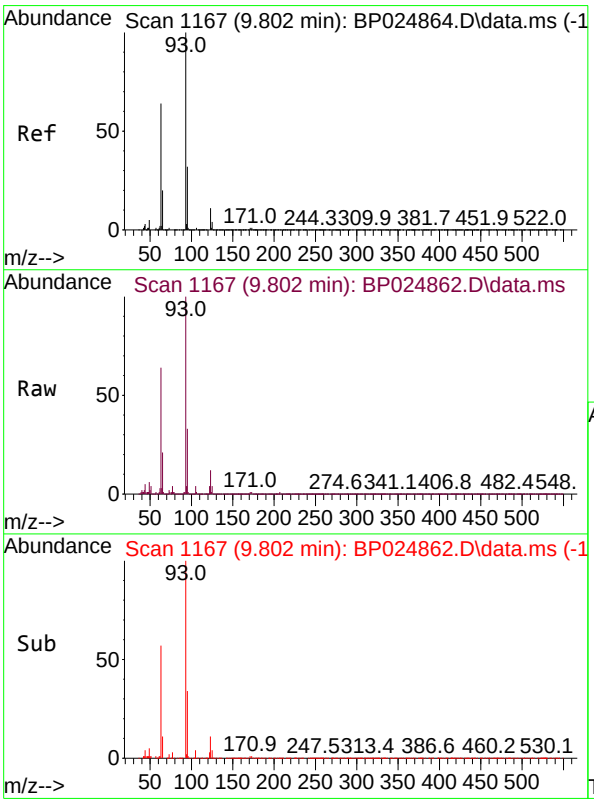
Ion	Ratio	Lower	Upper
122	100		
107	116.3	96.2	144.4
121	59.8	47.0	70.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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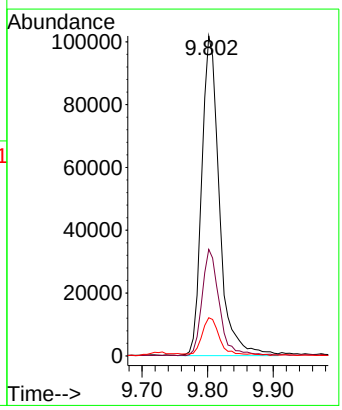
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

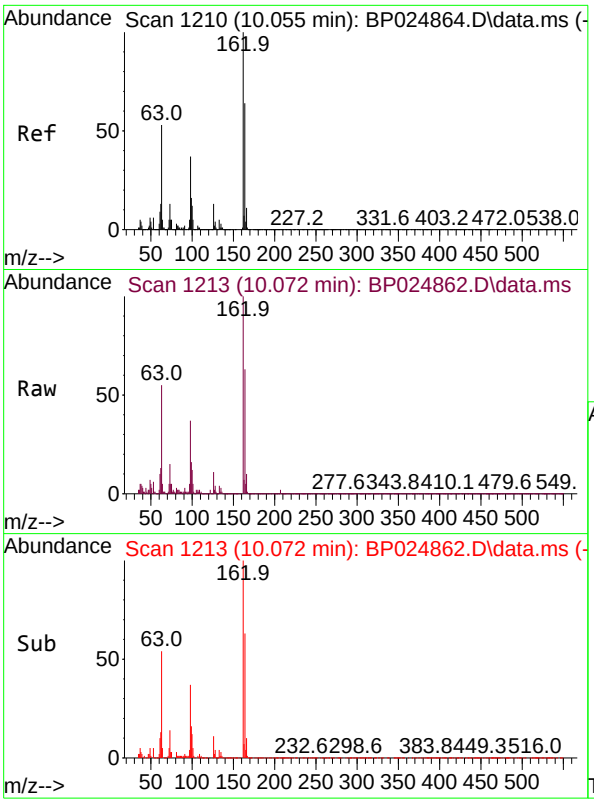


#28
bis(2-Chloroethoxy)methane
Concen: 9.590 ng
RT: 9.802 min Scan# 1167
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion: 93 Resp: 189690

Ion	Ratio	Lower	Upper
93	100		
95	33.3	25.5	38.3
123	12.0	9.2	13.8





#29
2,4-Dichlorophenol
Concen: 9.187 ng
RT: 10.072 min Scan# 1
Delta R.T. 0.018 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

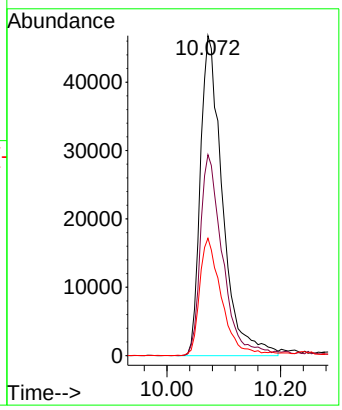
Tgt Ion:162 Resp: 12652

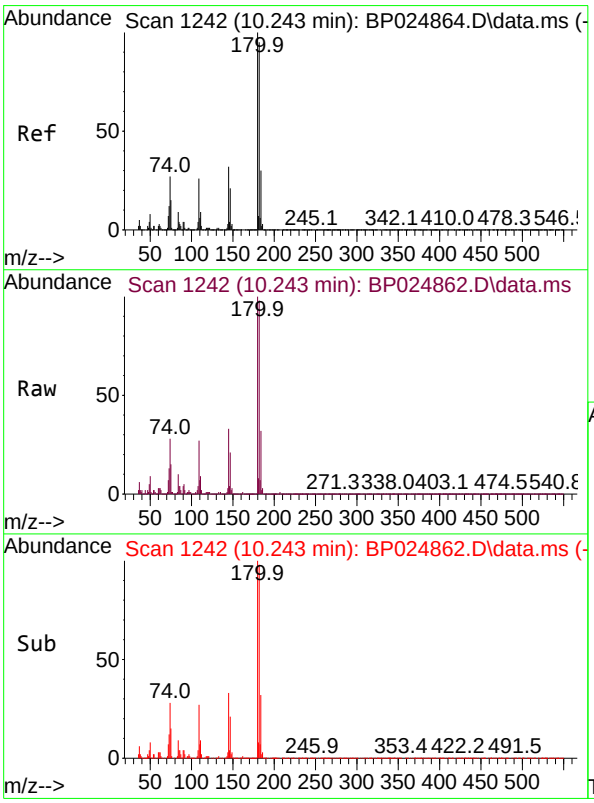
Ion	Ratio	Lower	Upper
162	100		
164	62.8	44.0	84.0
98	36.7	16.9	56.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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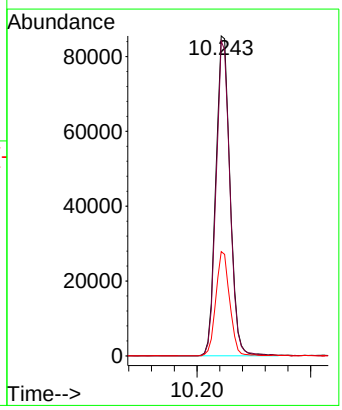


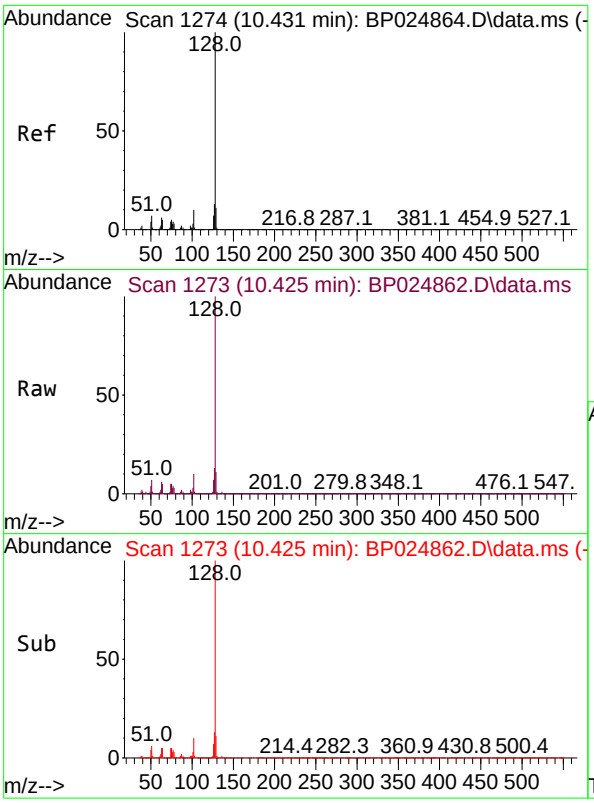


#30
1,2,4-Trichlorobenzene
Concen: 9.544 ng
RT: 10.243 min Scan# 1242
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:180 Resp: 148252

Ion	Ratio	Lower	Upper
180	100		
182	98.4	75.8	113.6
145	32.6	25.7	38.5

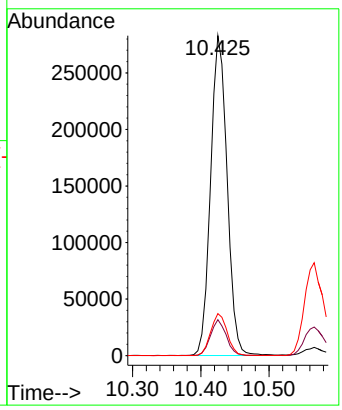




#31
Naphthalene
Concen: 9.969 ng
RT: 10.425 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:128 Resp: 47496

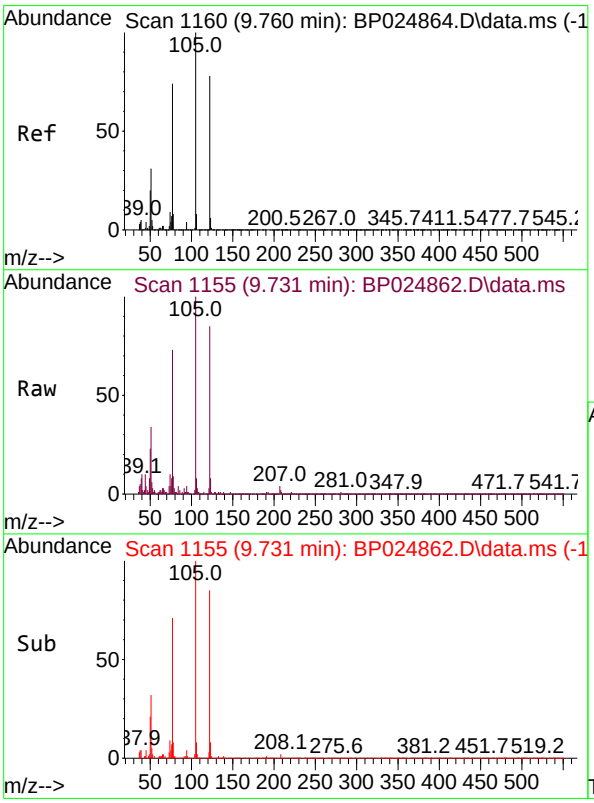
Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	13.1	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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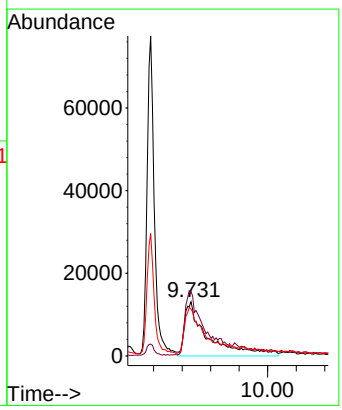
Reviewed By :Rahul Chavli 06/09/2025
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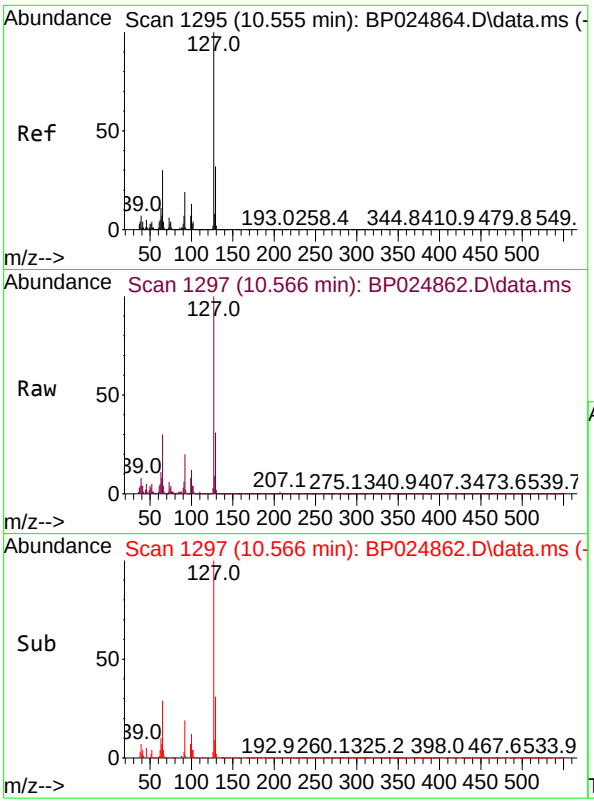


#32
Benzoic acid
Concen: 7.736 ng m
RT: 9.731 min Scan# 1155
Delta R.T. -0.029 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:122 Resp: 74032

Ion	Ratio	Lower	Upper
122	100		
105	118.3	107.1	147.1
77	86.5	75.1	115.1

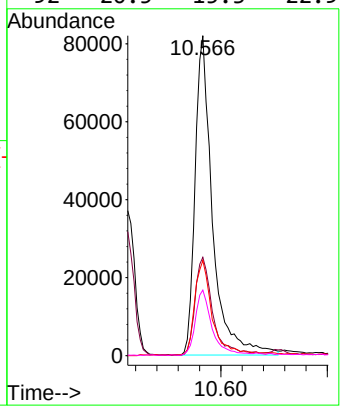




#33
4-Chloroaniline
Concen: 9.338 ng
RT: 10.566 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:127 Resp: 18640

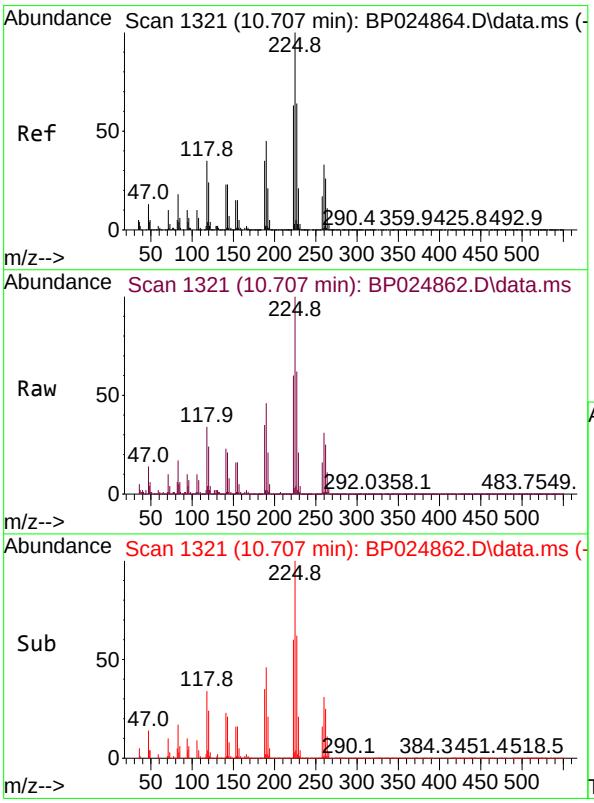
Ion	Ratio	Lower	Upper
127	100		
129	30.7	25.9	38.9
65	29.7	23.9	35.9
92	20.5	15.3	22.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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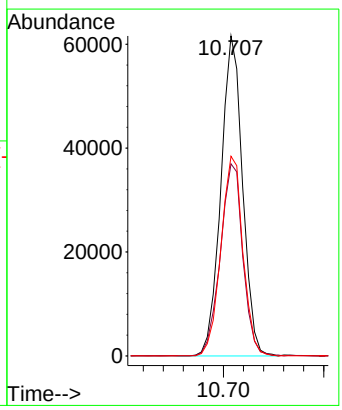
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

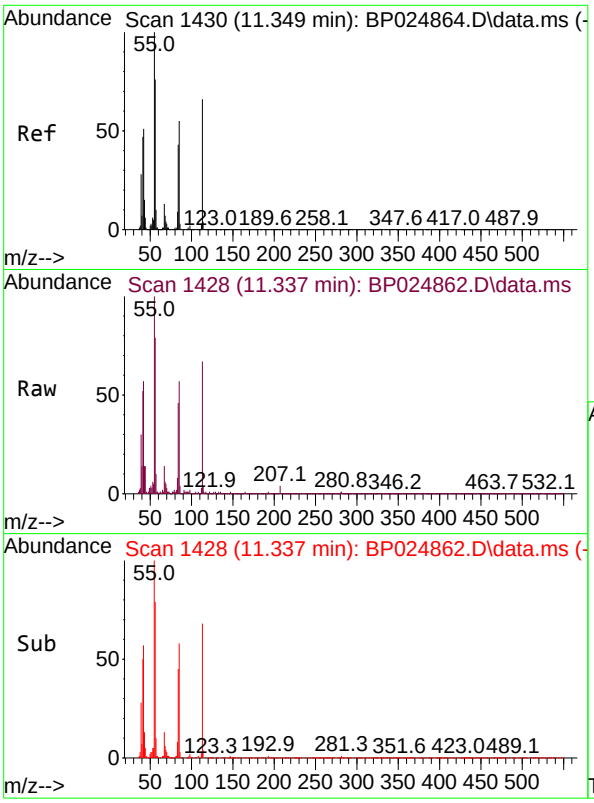


#34
Hexachlorobutadiene
Concen: 9.880 ng
RT: 10.707 min Scan# 1321
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:225 Resp: 92498

Ion	Ratio	Lower	Upper
225	100		
223	60.0	50.5	75.7
227	62.4	51.4	77.2





#35
Caprolactam
Concen: 8.949 ng
RT: 11.337 min Scan# 14
Delta R.T. -0.012 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

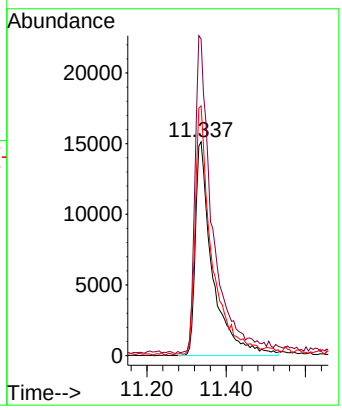
Tgt Ion:113 Resp: 4536

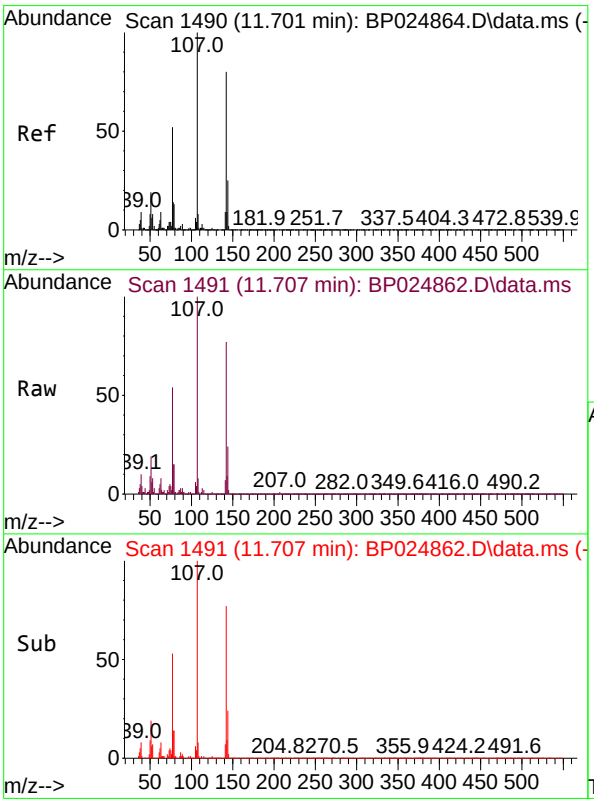
Ion	Ratio	Lower	Upper
113	100		
55	148.2	132.5	172.5
56	116.8	96.0	136.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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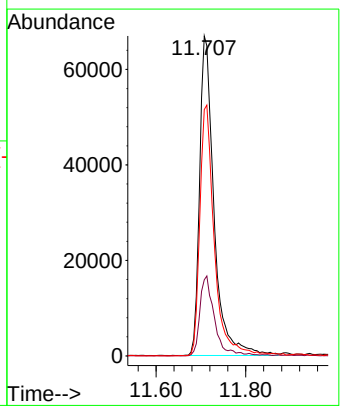


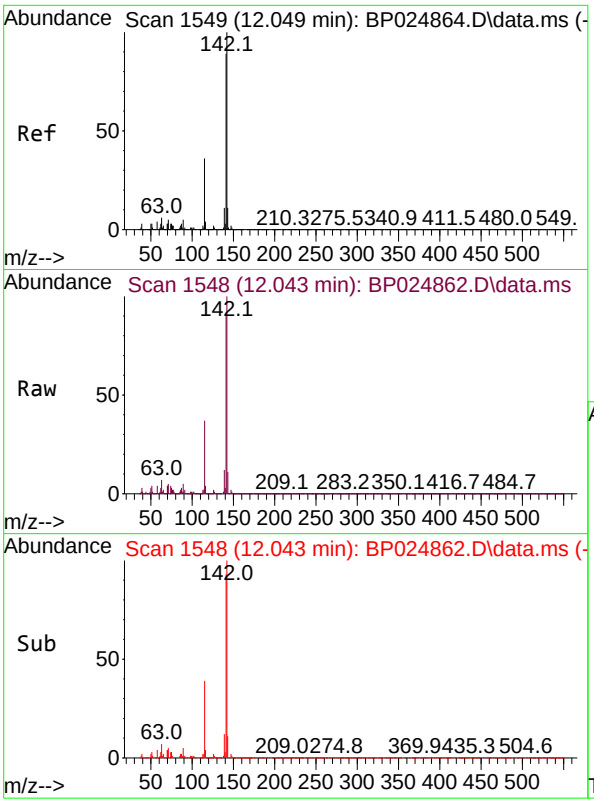


#36
4-Chloro-3-methylphenol
Concen: 9.418 ng
RT: 11.707 min Scan# 1491
Delta R.T. 0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:107 Resp: 149607

Ion	Ratio	Lower	Upper
107	100		
144	23.8	20.4	30.6
142	77.0	63.8	95.6

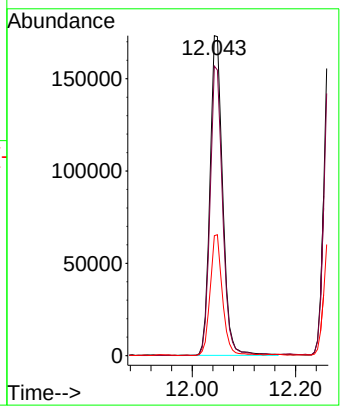




#37
2-Methylnaphthalene
Concen: 9.810 ng
RT: 12.043 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:142 Resp: 29647

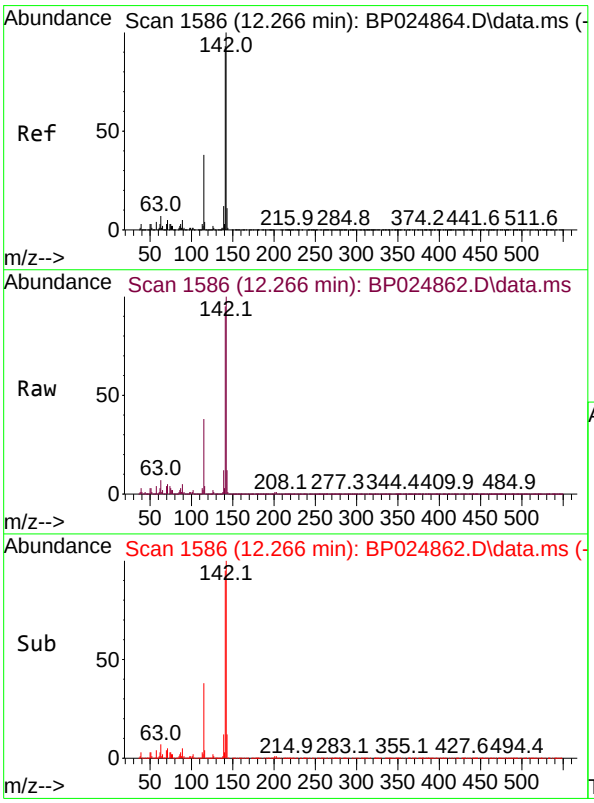
Ion	Ratio	Lower	Upper
142	100		
141	90.5	71.2	106.8
115	37.5	28.5	42.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

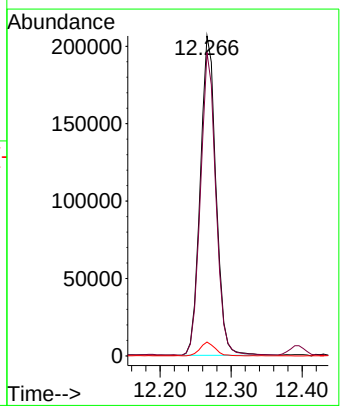
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

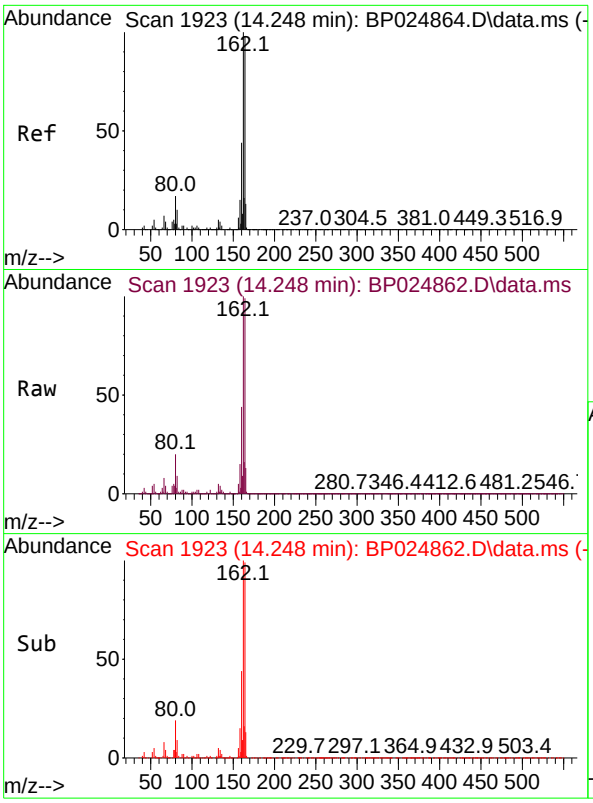


#38
1-Methylnaphthalene
Concen: 9.786 ng
RT: 12.266 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:142 Resp: 316179

Ion	Ratio	Lower	Upper
142	100		
141	94.8	74.7	112.1
116	4.3	3.4	5.0

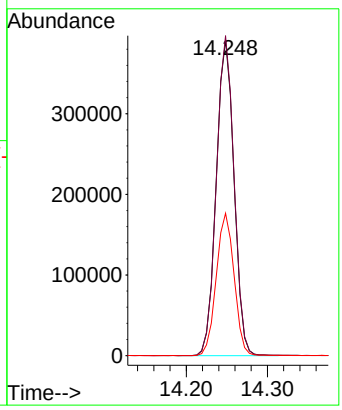




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.248 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:164 Resp: 59437

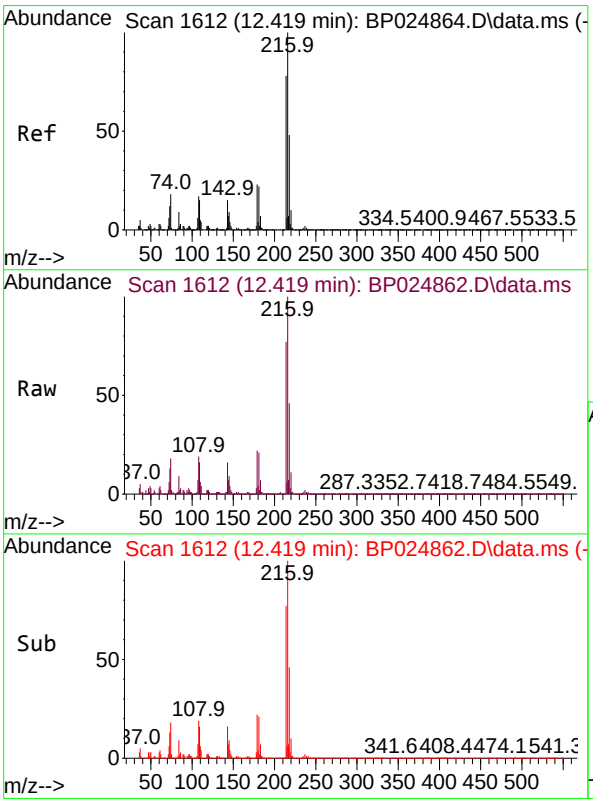
Ion	Ratio	Lower	Upper
164	100		
162	101.5	81.6	122.4
160	45.1	36.2	54.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

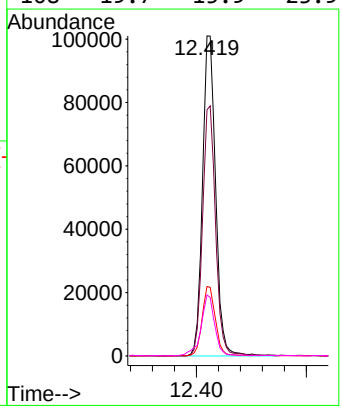
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

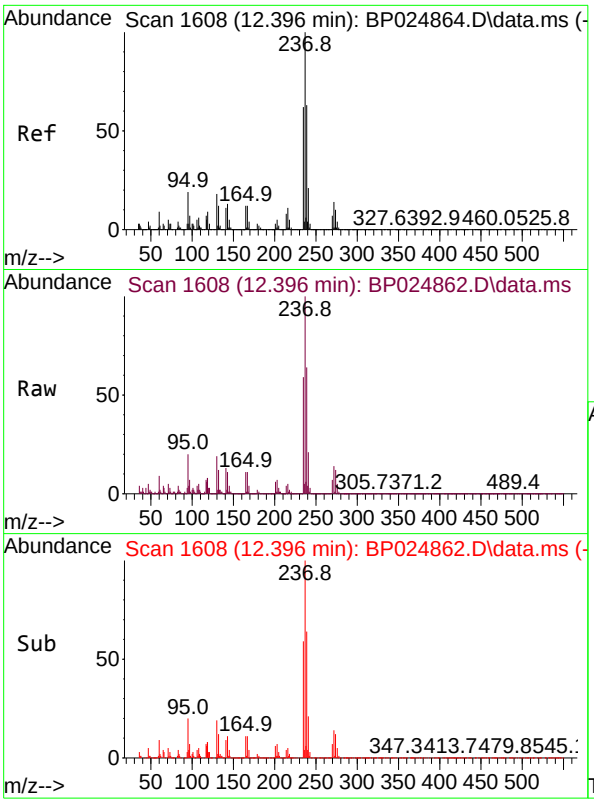


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.888 ng
RT: 12.419 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:216 Resp: 166771

Ion	Ratio	Lower	Upper
216	100		
214	77.6	63.0	94.4
179	21.9	17.8	26.6
108	19.7	15.9	23.9





#41
Hexachlorocyclopentadiene
Concen: 7.477 ng
RT: 12.396 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

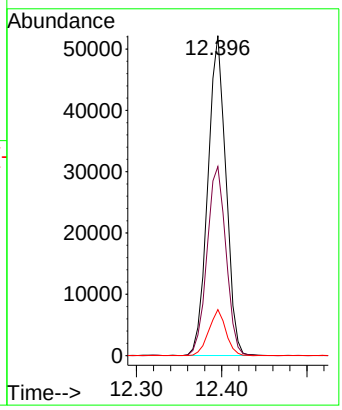
Tgt Ion:237 Resp: 7691

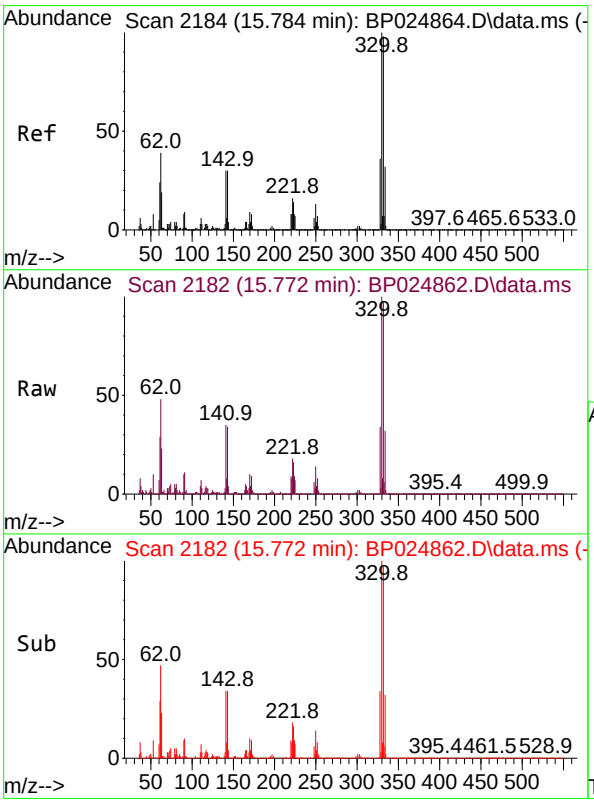
Ion	Ratio	Lower	Upper
237	100		
235	59.1	41.9	81.9
272	14.4	0.0	33.7

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

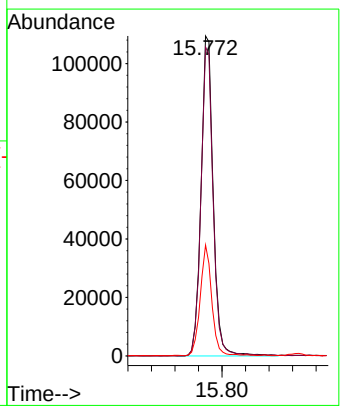


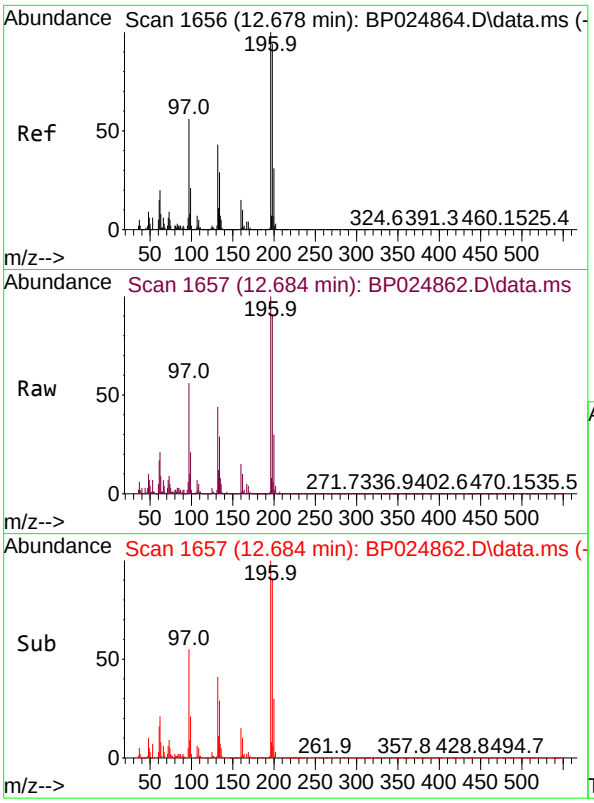


#42
2,4,6-Tribromophenol
Concen: 19.089 ng
RT: 15.772 min Scan# 2182
Delta R.T. -0.012 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:330 Resp: 156861

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.7	116.5
141	33.1	26.4	39.6

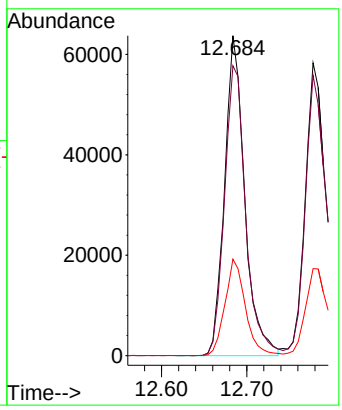




#43
2,4,6-Trichlorophenol
Concen: 9.248 ng
RT: 12.684 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:196 Resp: 10474

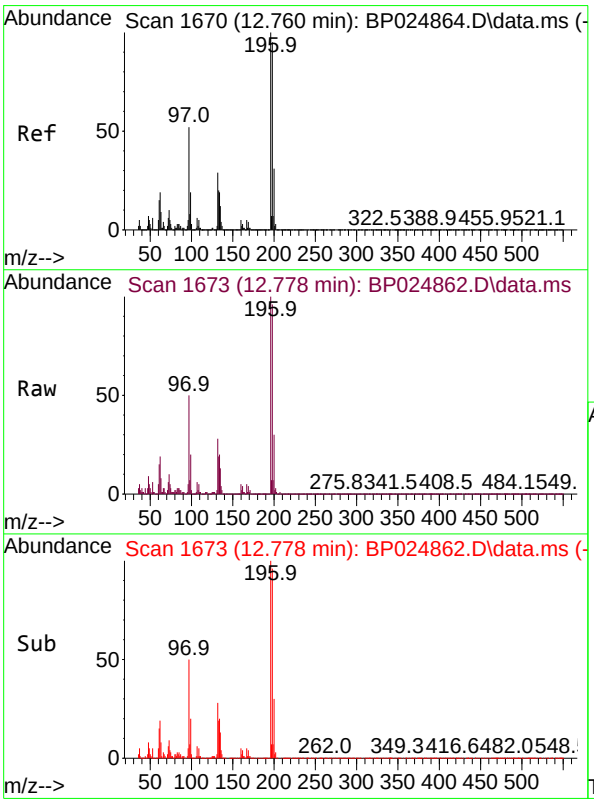
Ion	Ratio	Lower	Upper
196	100		
198	90.6	75.4	113.0
200	30.1	24.4	36.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

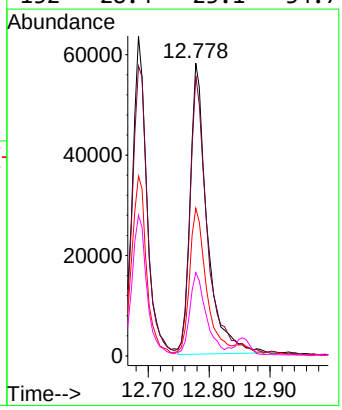
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

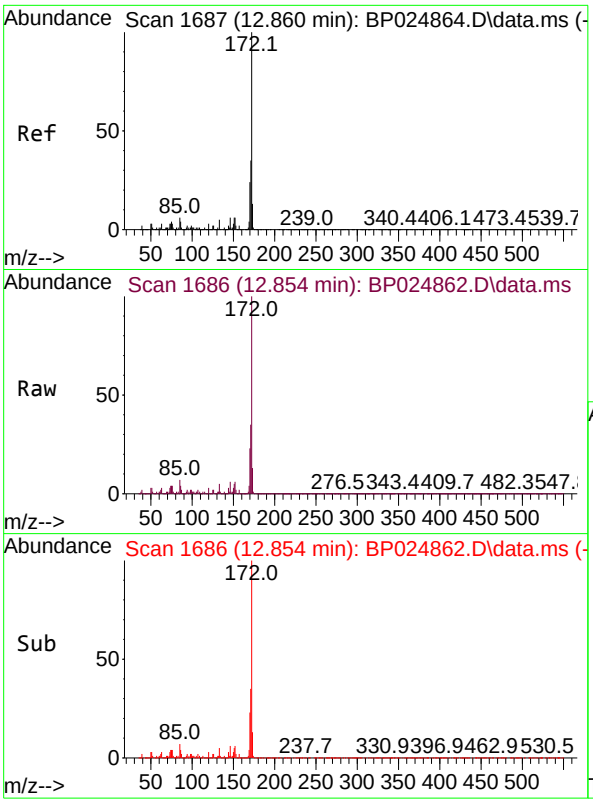


#44
2,4,5-Trichlorophenol
Concen: 9.294 ng
RT: 12.778 min Scan# 1673
Delta R.T. 0.018 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:196 Resp: 112735

Ion	Ratio	Lower	Upper
196	100		
198	95.7	76.0	114.0
97	50.4	41.5	62.3
132	28.4	23.1	34.7

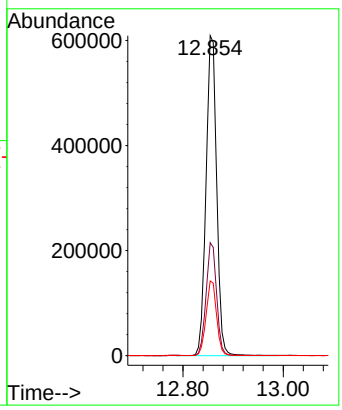




#45
2-Fluorobiphenyl
Concen: 20.308 ng
RT: 12.854 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:172 Resp: 89600

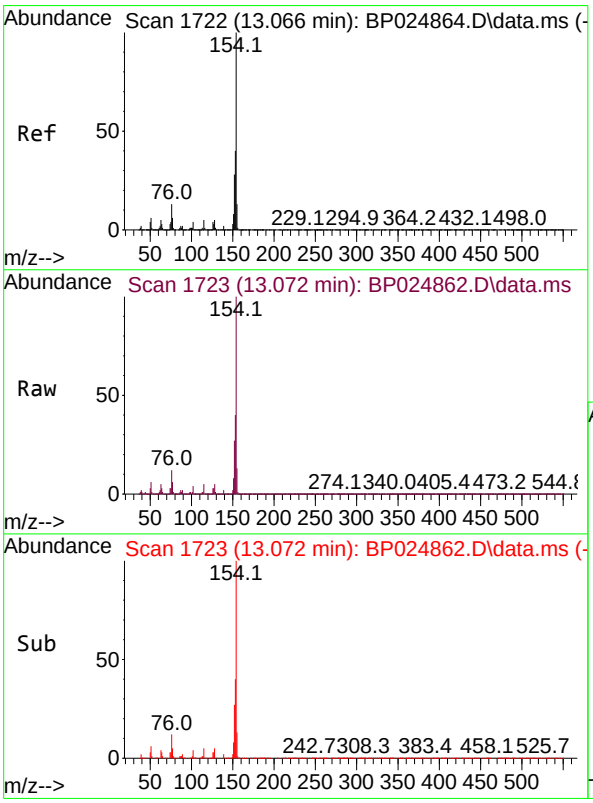
Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.3	42.5
170	23.3	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

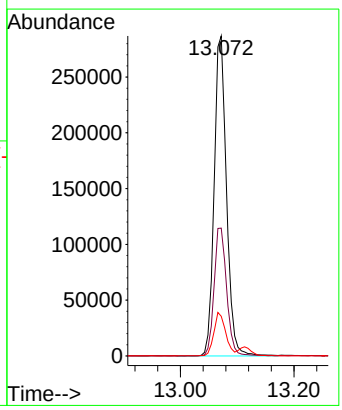
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

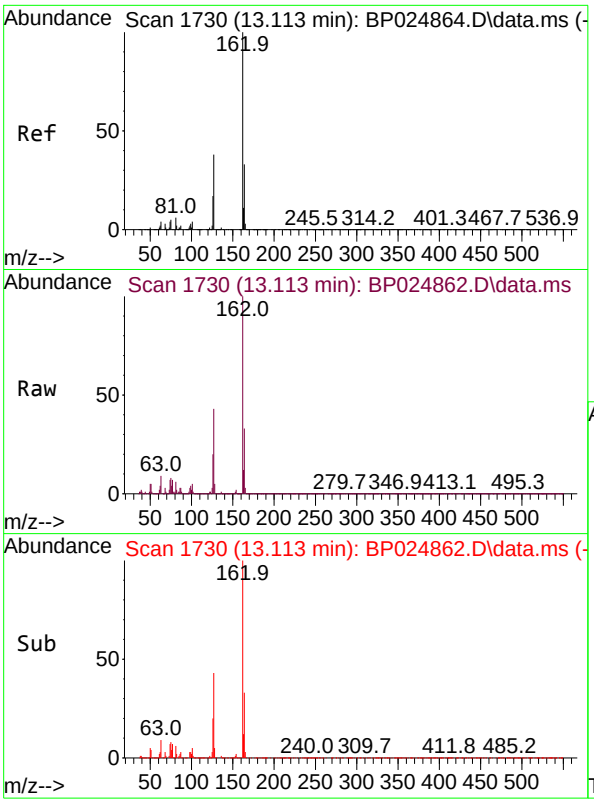


#46
1,1'-Biphenyl
Concen: 10.020 ng
RT: 13.072 min Scan# 1723
Delta R.T. 0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:154 Resp: 432819

Ion	Ratio	Lower	Upper
154	100		
153	39.9	20.3	60.3
76	12.4	0.0	33.0

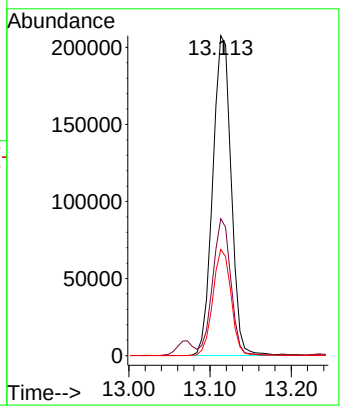




#47
2-Chloronaphthalene
Concen: 9.882 ng
RT: 13.113 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:162 Resp: 32806

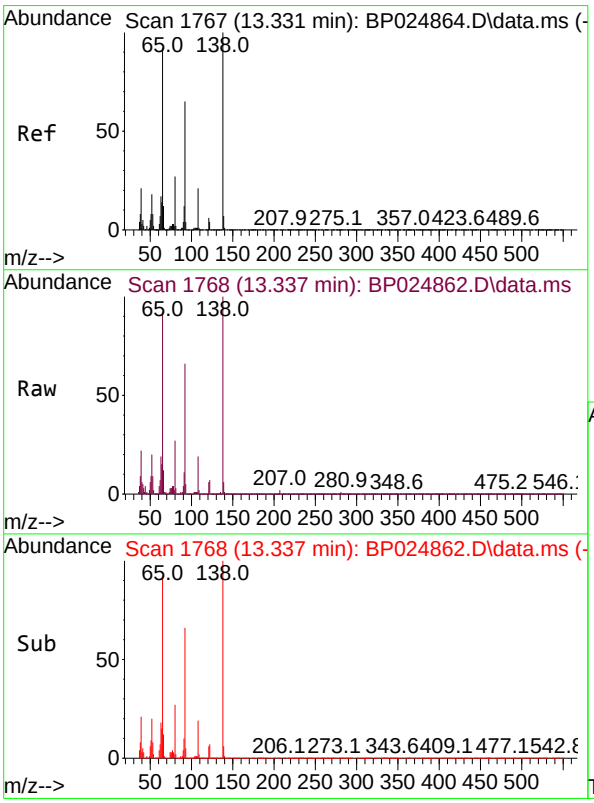
Ion	Ratio	Lower	Upper
162	100		
127	42.8	32.5	48.7
164	33.2	26.2	39.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

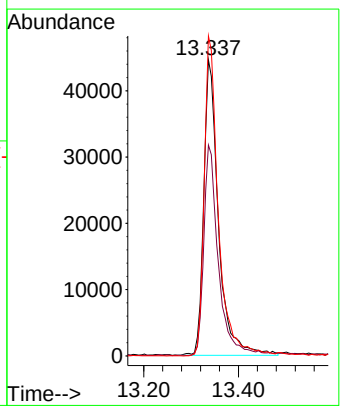
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

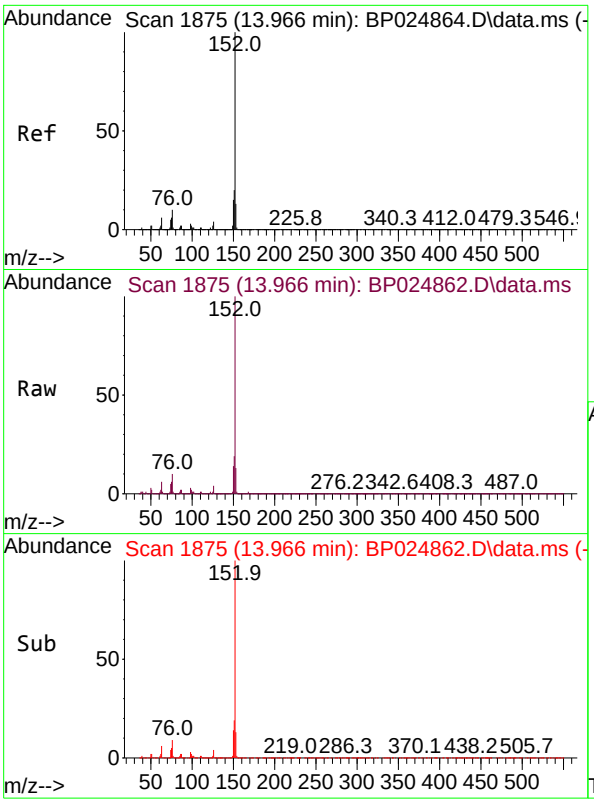


#48
2-Nitroaniline
Concen: 9.426 ng
RT: 13.337 min Scan# 1768
Delta R.T. 0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion: 65 Resp: 96210

Ion	Ratio	Lower	Upper
65	100		
92	71.3	56.8	85.2
138	108.2	86.9	130.3

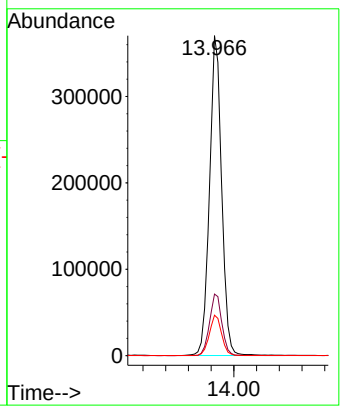




#49
Acenaphthylene
Concen: 9.939 ng
RT: 13.966 min Scan# 18
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:152 Resp: 550191

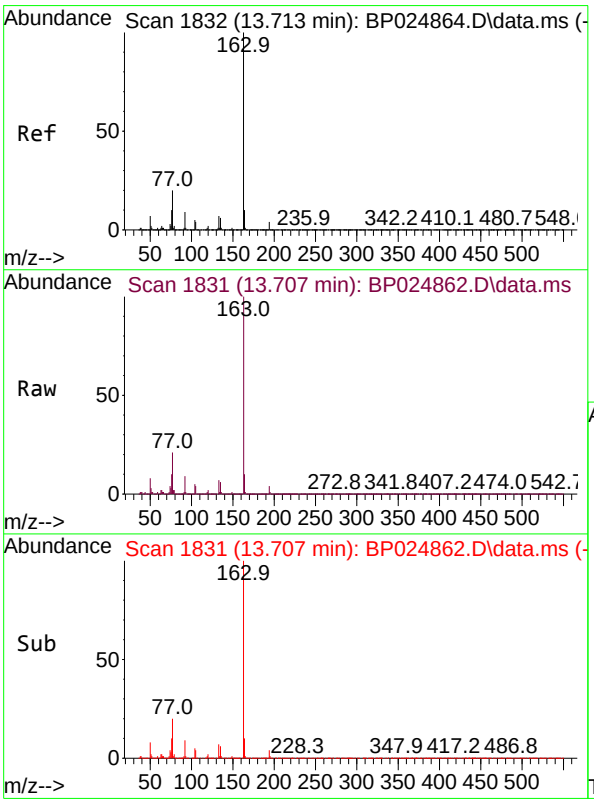
Ion	Ratio	Lower	Upper
152	100		
151	19.2	16.2	24.2
153	12.7	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

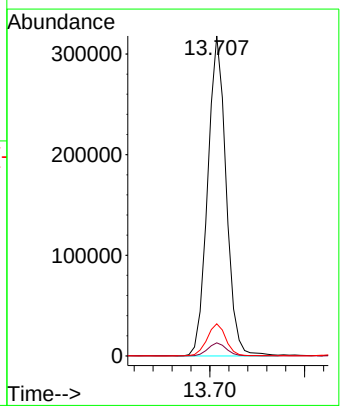
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

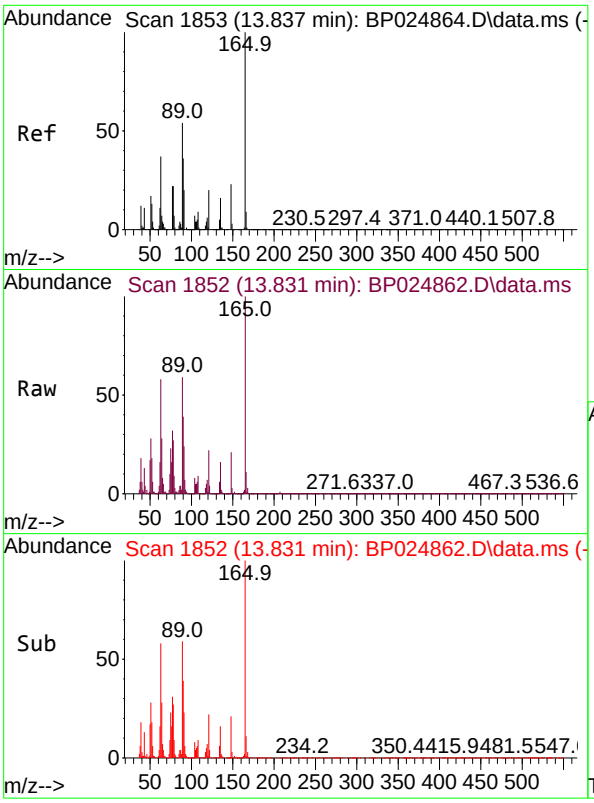


#50
Dimethylphthalate
Concen: 9.826 ng
RT: 13.707 min Scan# 1831
Delta R.T. -0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:163 Resp: 430821

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.0	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 9.461 ng
RT: 13.831 min Scan# 18
Delta R.T. -0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

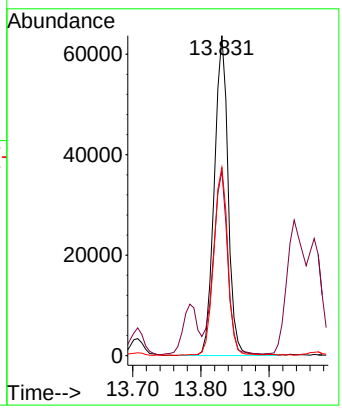
Tgt Ion:165 Resp: 8943

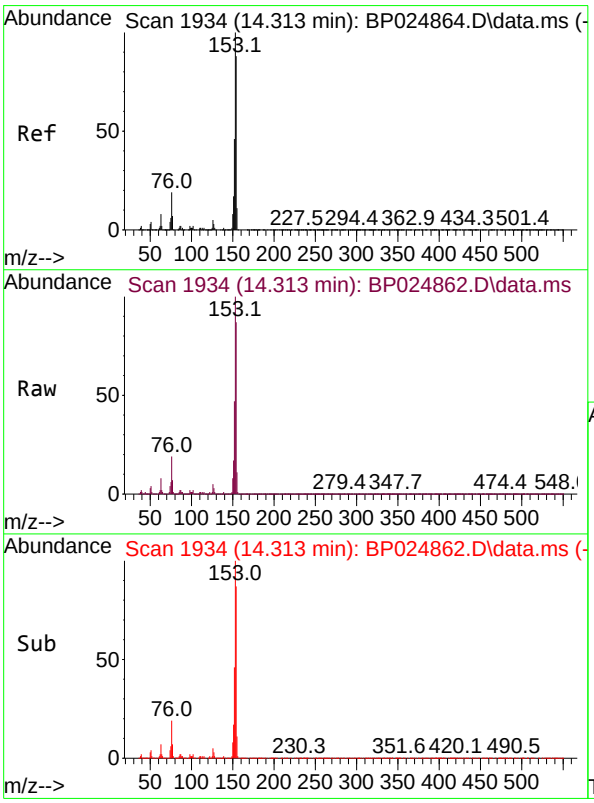
Ion	Ratio	Lower	Upper
165	100		
63	57.8	41.8	62.8
89	58.8	43.1	64.7

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

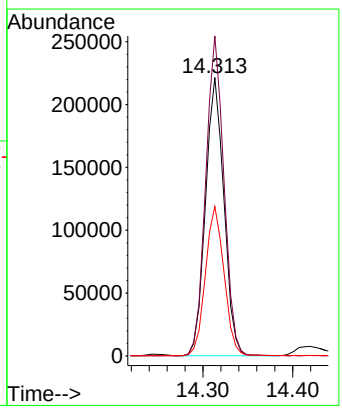


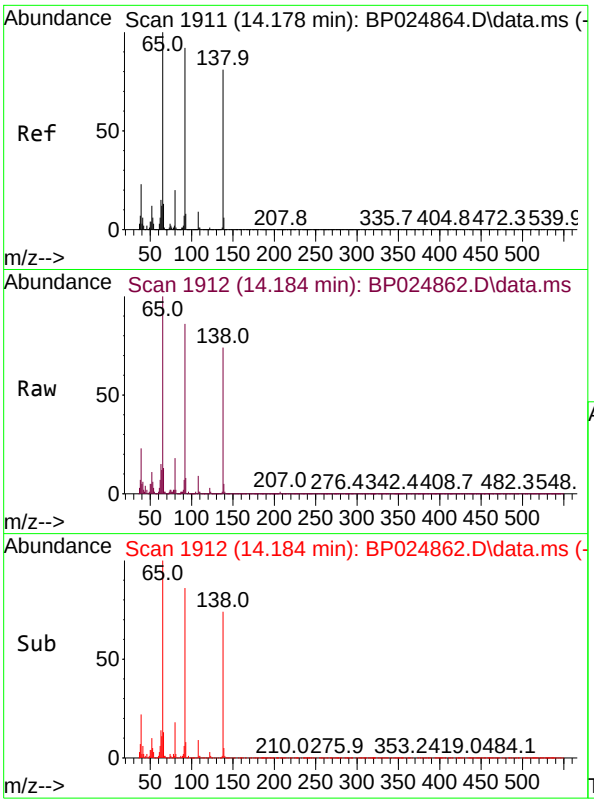


#52
Acenaphthene
Concen: 9.967 ng
RT: 14.313 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:154 Resp: 316133

Ion	Ratio	Lower	Upper
154	100		
153	115.0	90.5	135.7
152	53.7	42.1	63.1





#53
3-Nitroaniline
Concen: 8.838 ng
RT: 14.184 min Scan# 19
Delta R.T. 0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

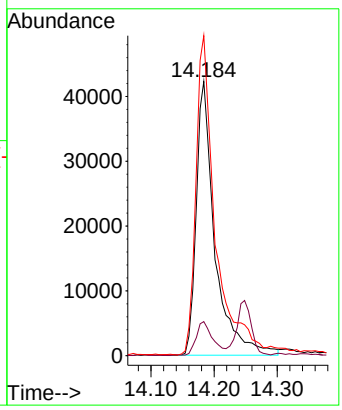
Tgt Ion:138 Resp: 8669

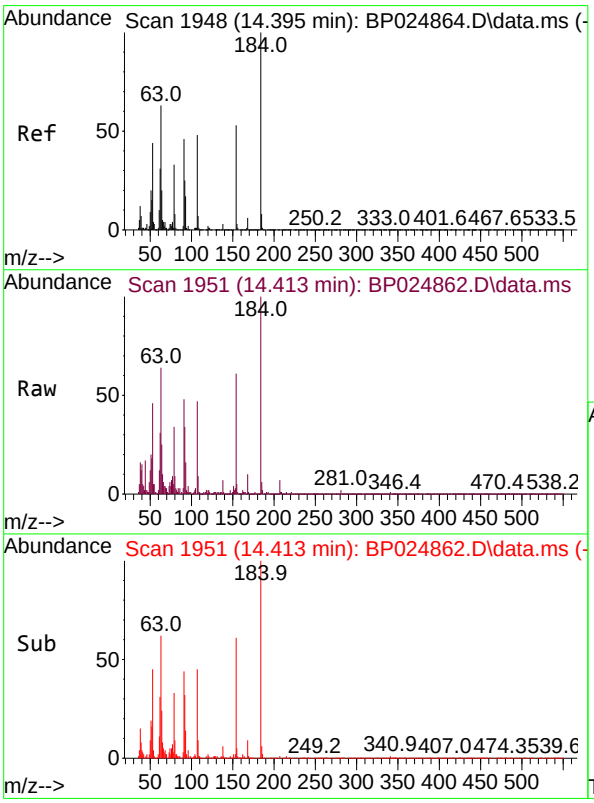
Ion	Ratio	Lower	Upper
138	100		
108	12.4	8.6	12.8
92	116.7	91.3	136.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

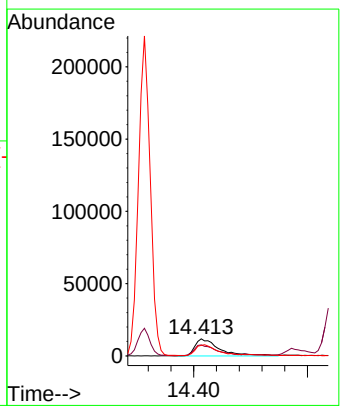


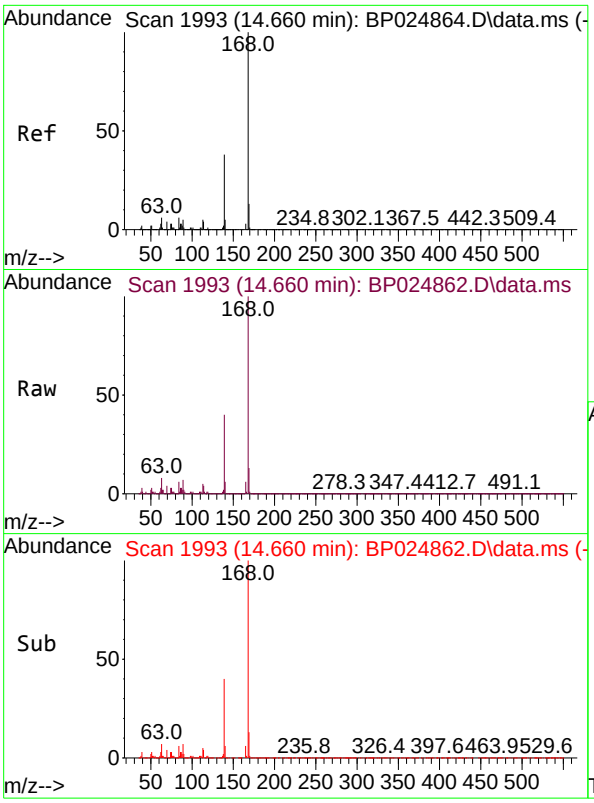


#54
2,4-Dinitrophenol
Concen: 10.838 ng
RT: 14.413 min Scan# 1951
Delta R.T. 0.018 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:184 Resp: 34890

Ion	Ratio	Lower	Upper
184	100		
63	64.5	51.0	76.4
154	61.4	51.7	77.5

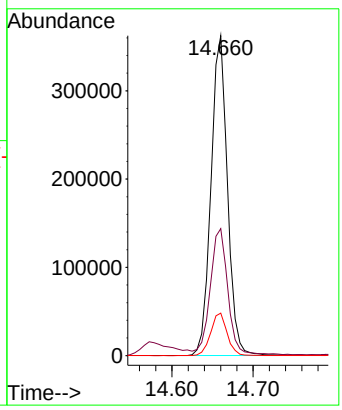




#55
Dibenzofuran
Concen: 10.045 ng
RT: 14.660 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:168 Resp: 51143

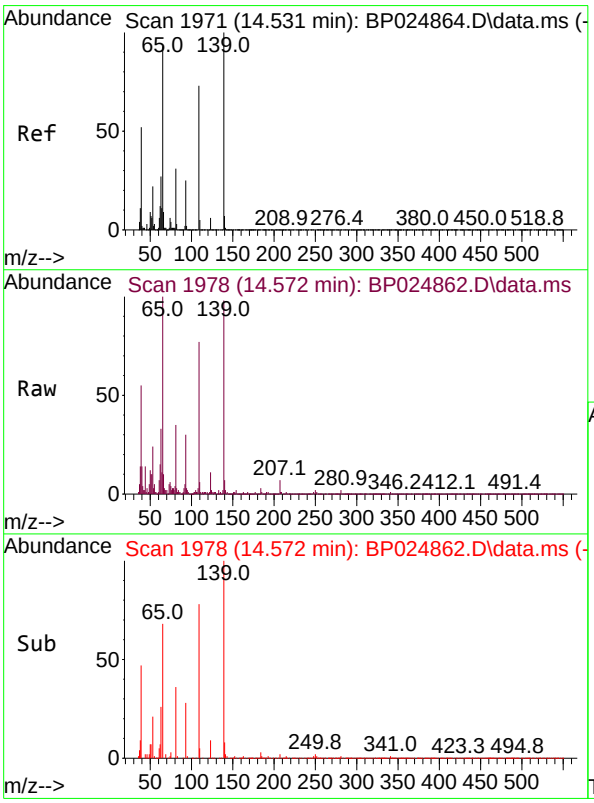
Ion	Ratio	Lower	Upper
168	100		
139	39.7	31.6	47.4
169	13.3	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

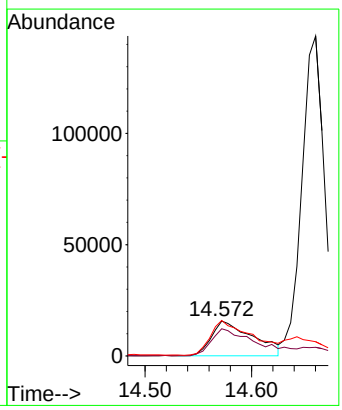
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

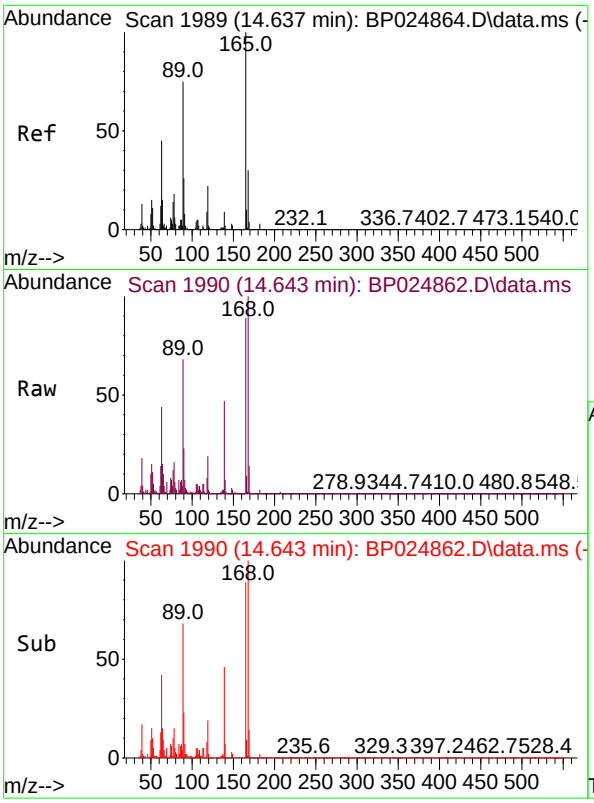


#56
4-Nitrophenol
Concen: 10.135 ng
RT: 14.572 min Scan# 1978
Delta R.T. 0.041 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:139 Resp: 42087

Ion	Ratio	Lower	Upper
139	100		
109	78.0	53.1	93.1
65	101.9	73.0	113.0

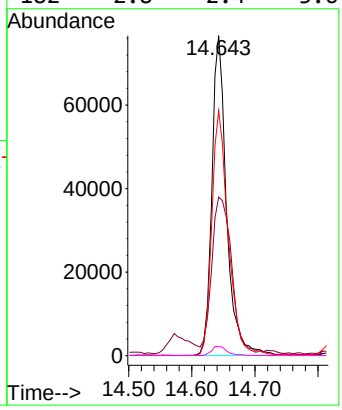




#57
2,4-Dinitrotoluene
Concen: 9.340 ng
RT: 14.643 min Scan# 19
Delta R.T. 0.005 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:165 Resp: 12349

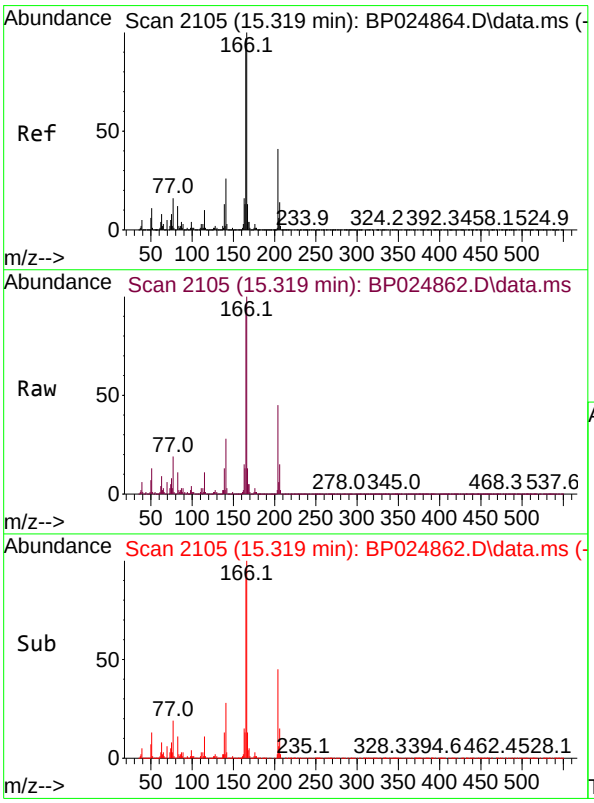
Ion	Ratio	Lower	Upper
165	100		
63	49.5	37.0	55.6
89	76.5	60.1	90.1
182	2.8	2.4	3.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

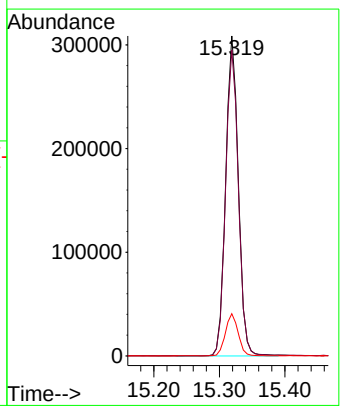
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

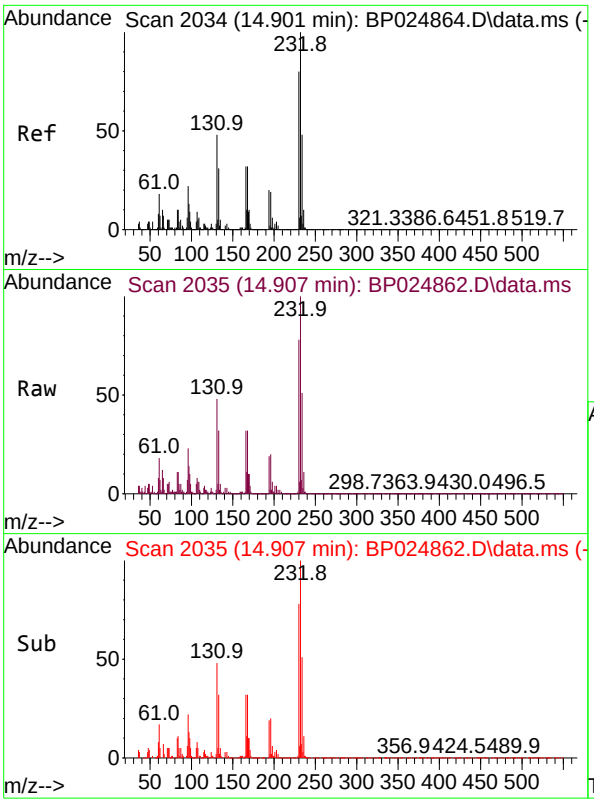


#58
Fluorene
Concen: 10.071 ng
RT: 15.319 min Scan# 2105
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:166 Resp: 414235

Ion	Ratio	Lower	Upper
166	100		
165	95.6	77.7	116.5
167	13.2	10.6	16.0

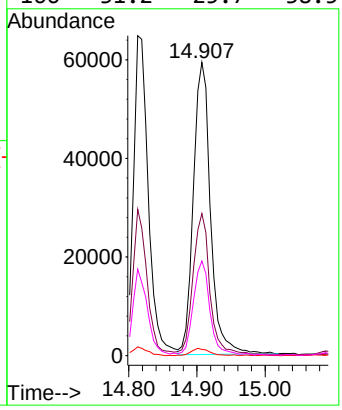




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.573 ng
RT: 14.907 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:232 Resp: 10393

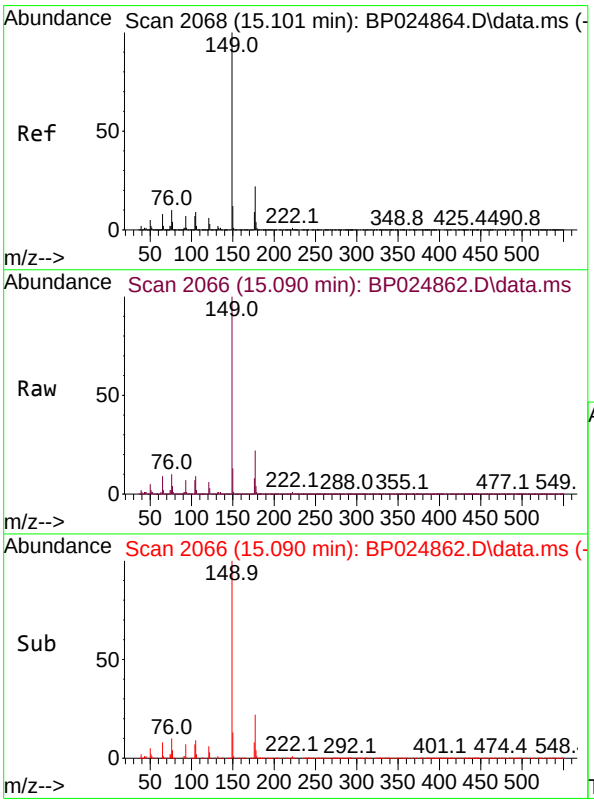
Ion	Ratio	Lower	Upper
232	100		
131	47.2	38.2	57.2
130	2.5	2.1	3.1
166	31.2	25.7	38.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

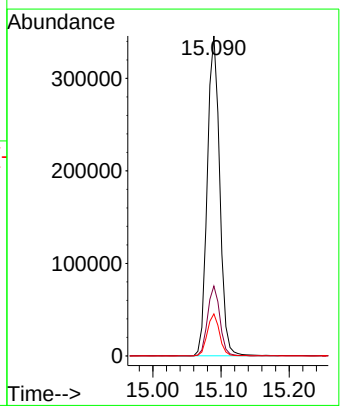
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

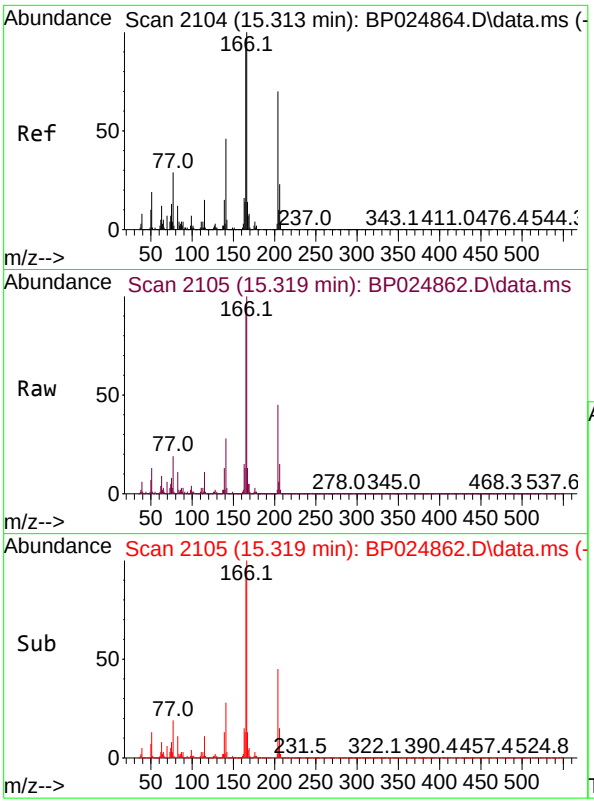


#60
Diethylphthalate
Concen: 10.022 ng
RT: 15.090 min Scan# 2066
Delta R.T. -0.012 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:149 Resp: 437955

Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.9	26.9
150	13.1	9.8	14.6

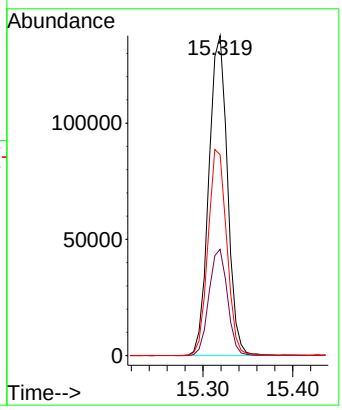




#61
4-Chlorophenyl-phenylether
Concen: 9.878 ng
RT: 15.319 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:204 Resp: 19864

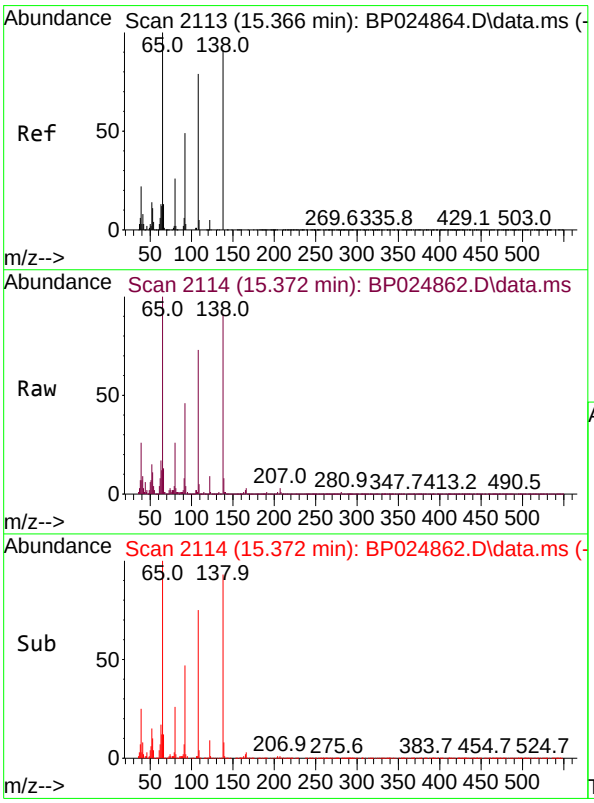
Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.6	40.0
141	62.8	52.4	78.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

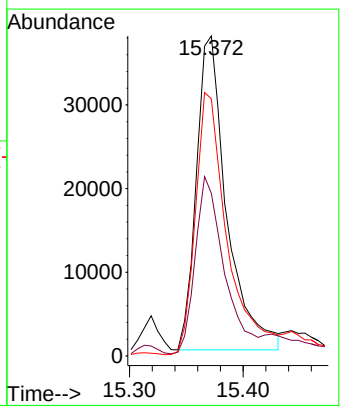
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

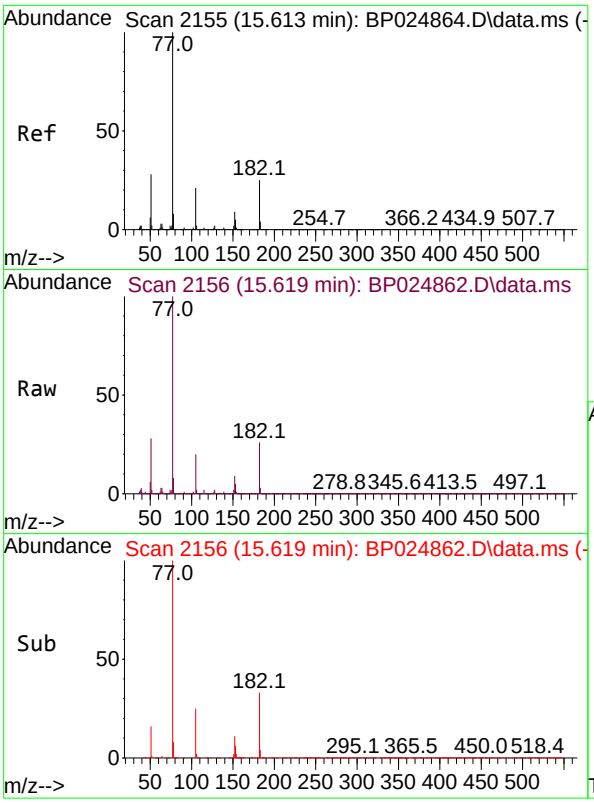


#62
4-Nitroaniline
Concen: 7.841 ng
RT: 15.372 min Scan# 2114
Delta R.T. 0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:138 Resp: 69780

Ion	Ratio	Lower	Upper
138	100		
92	50.8	33.5	73.5
108	80.3	65.1	105.1

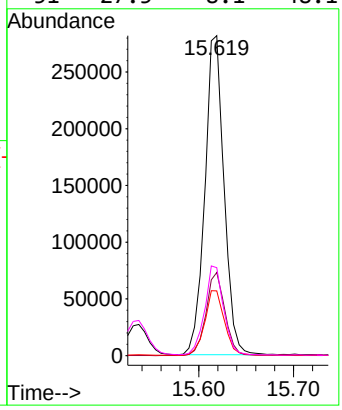




#63
Azobenzene
Concen: 9.890 ng
RT: 15.619 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion: 77 Resp: 39635

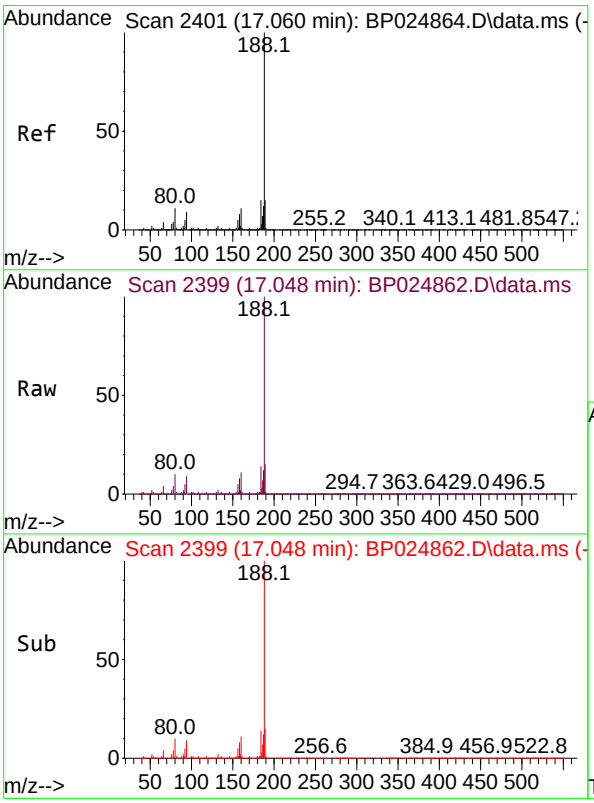
Ion	Ratio	Lower	Upper
77	100		
182	26.0	5.4	45.4
105	20.2	0.8	40.8
51	27.5	8.1	48.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

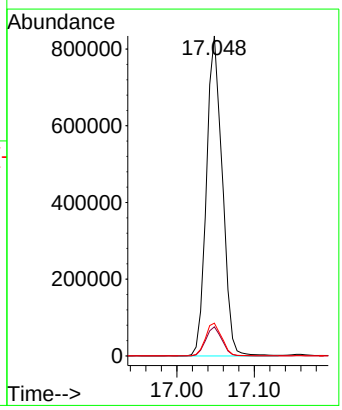
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

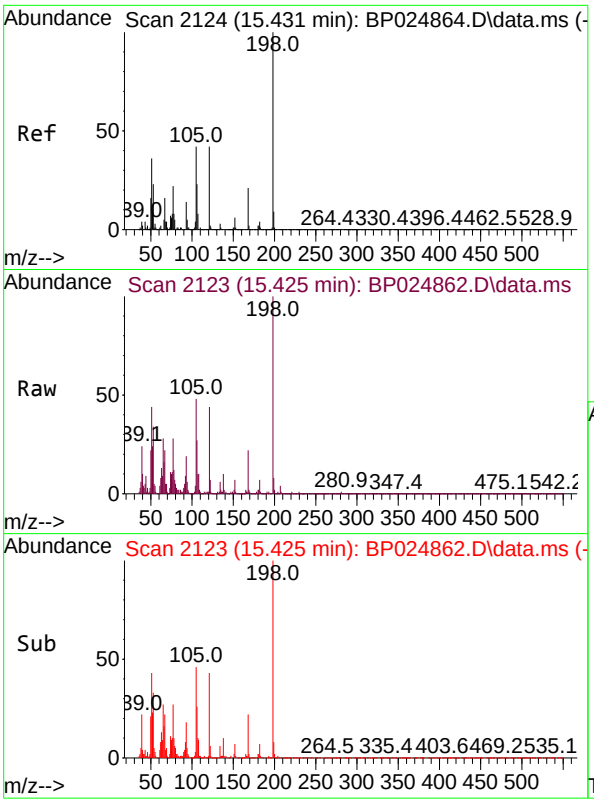


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.048 min Scan# 2399
Delta R.T. -0.012 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:188 Resp: 1185891

Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.3	10.9
80	10.2	8.5	12.7





#65
4,6-Dinitro-2-methylphenol
Concen: 7.732 ng
RT: 15.425 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

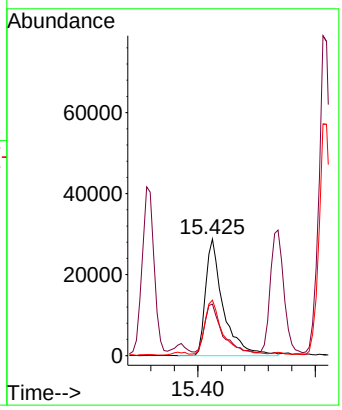
Tgt Ion:198 Resp: 6025

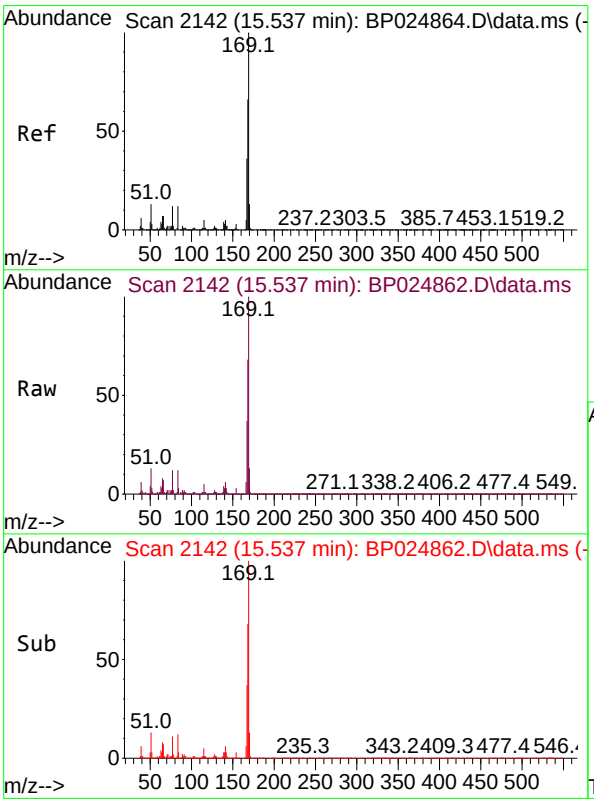
Ion	Ratio	Lower	Upper
198	100		
51	44.1	19.2	59.2
105	47.5	22.6	62.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

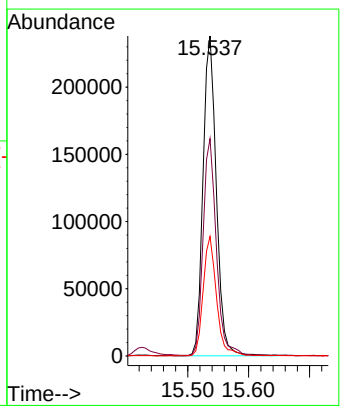


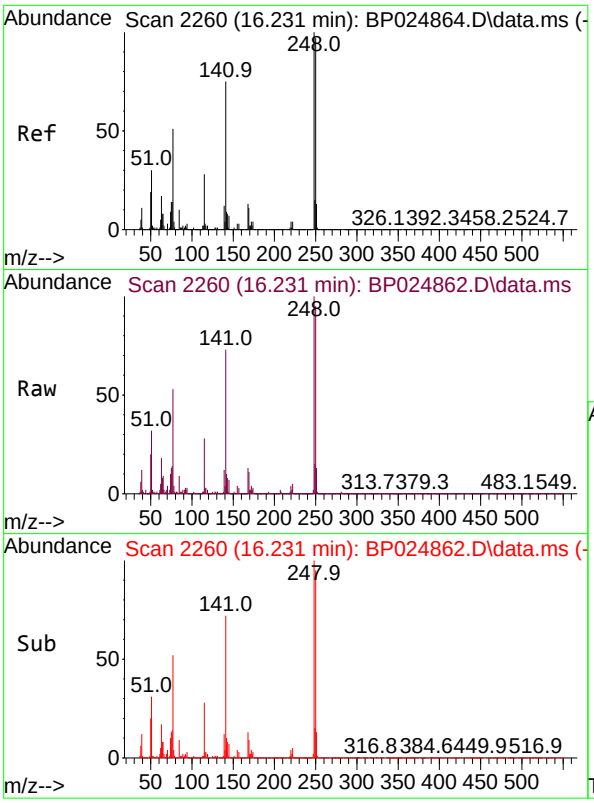


#66
n-Nitrosodiphenylamine
Concen: 9.812 ng
RT: 15.537 min Scan# 2142
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:169 Resp: 360674

Ion	Ratio	Lower	Upper
169	100		
168	67.9	53.0	79.6
167	37.3	28.6	43.0

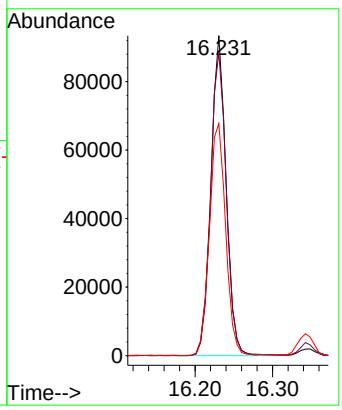




#67
4-Bromophenyl-phenylether
Concen: 9.530 ng
RT: 16.231 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:248 Resp: 12751

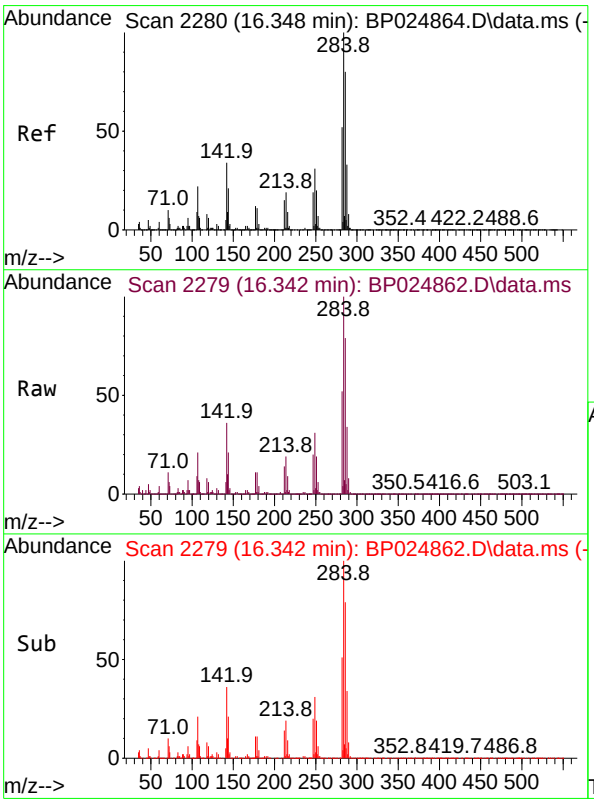
Ion	Ratio	Lower	Upper
248	100		
250	94.7	77.4	116.2
141	72.5	59.9	89.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

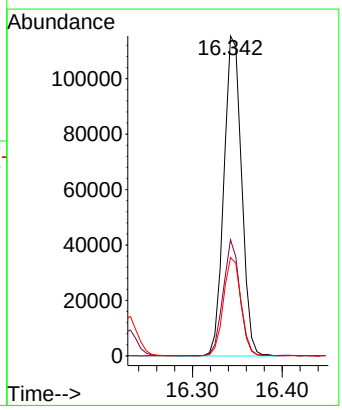
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

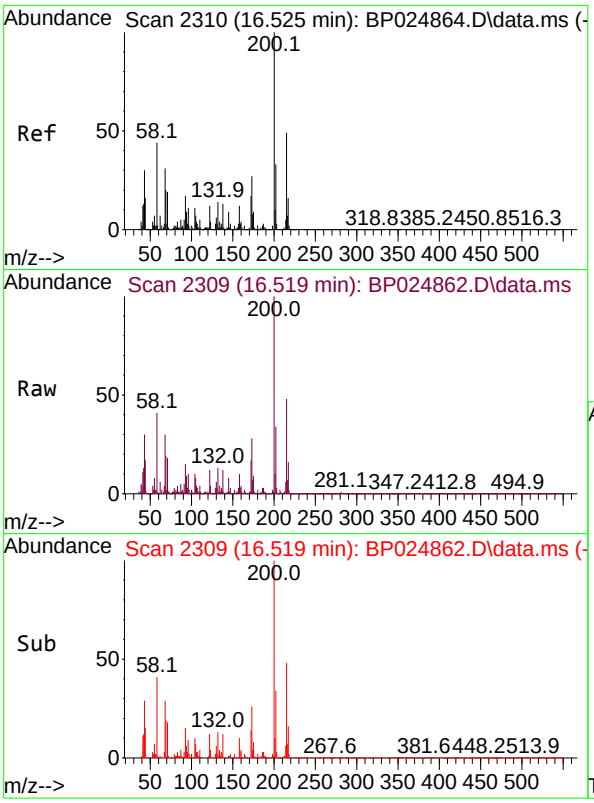


#68
Hexachlorobenzene
Concen: 9.794 ng
RT: 16.342 min Scan# 2279
Delta R.T. -0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:284 Resp: 158870

Ion	Ratio	Lower	Upper
284	100		
142	36.3	27.0	40.6
249	30.7	25.0	37.6

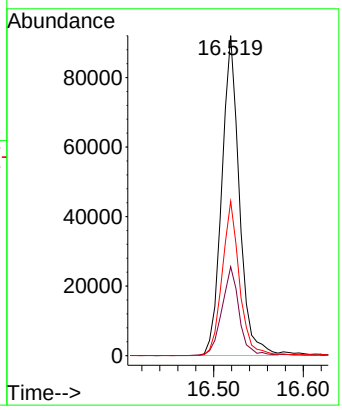




#69
Atrazine
Concen: 9.439 ng
RT: 16.519 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:200 Resp: 12577

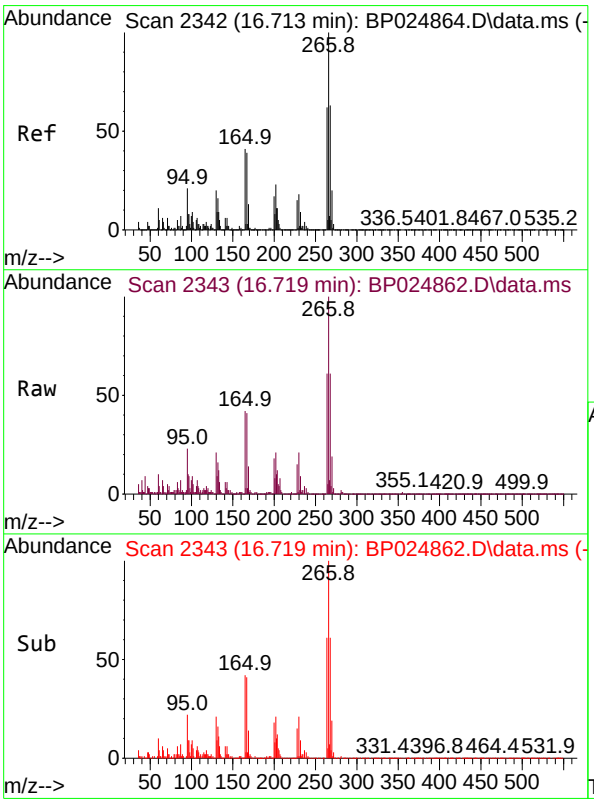
Ion	Ratio	Lower	Upper
200	100		
173	27.8	6.9	46.9
215	48.2	28.7	68.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

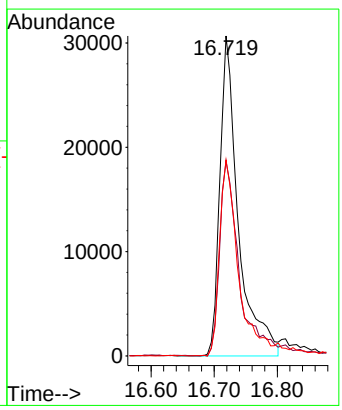
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

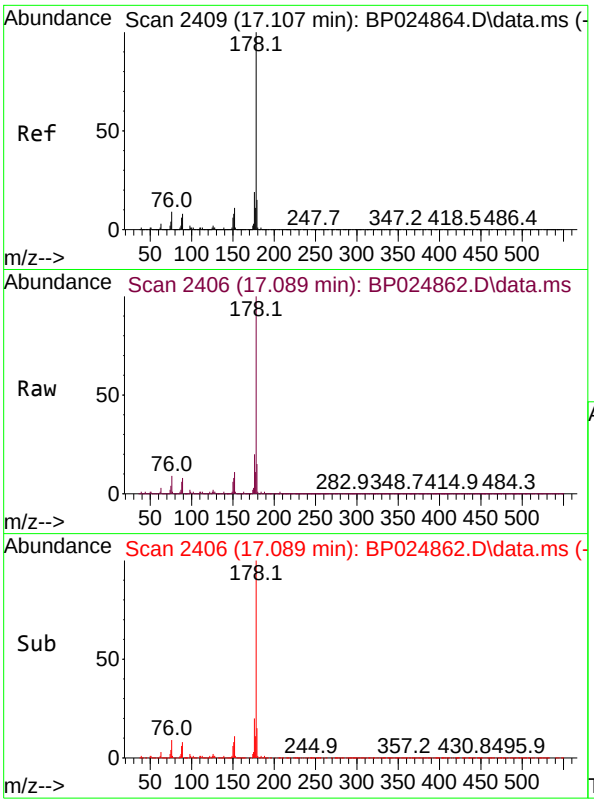


#70
Pentachlorophenol
Concen: 7.434 ng
RT: 16.719 min Scan# 2343
Delta R.T. 0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:266 Resp: 62407

Ion	Ratio	Lower	Upper
266	100		
268	60.8	50.6	76.0
264	61.3	49.7	74.5





#71
Phenanthrene
Concen: 10.025 ng
RT: 17.089 min Scan# 24
Delta R.T. -0.018 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

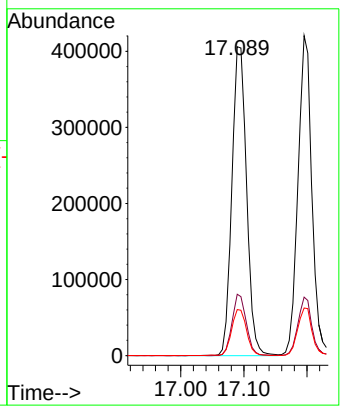
Tgt Ion:178 Resp: 65700

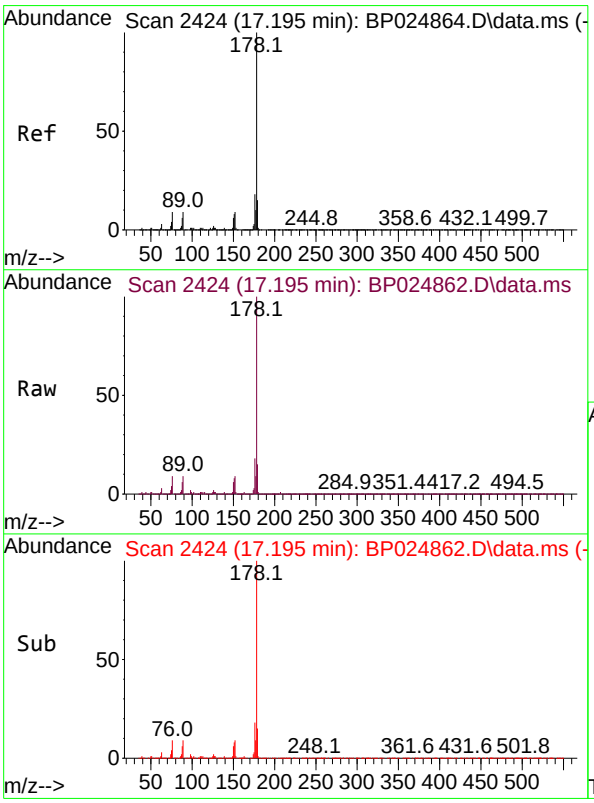
Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.3	22.9
179	14.9	12.1	18.1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

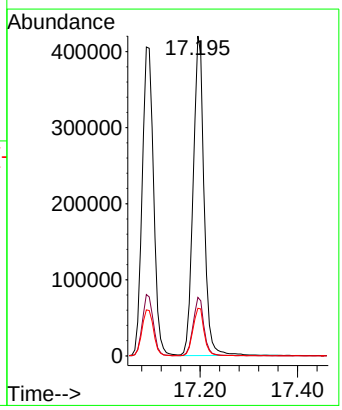


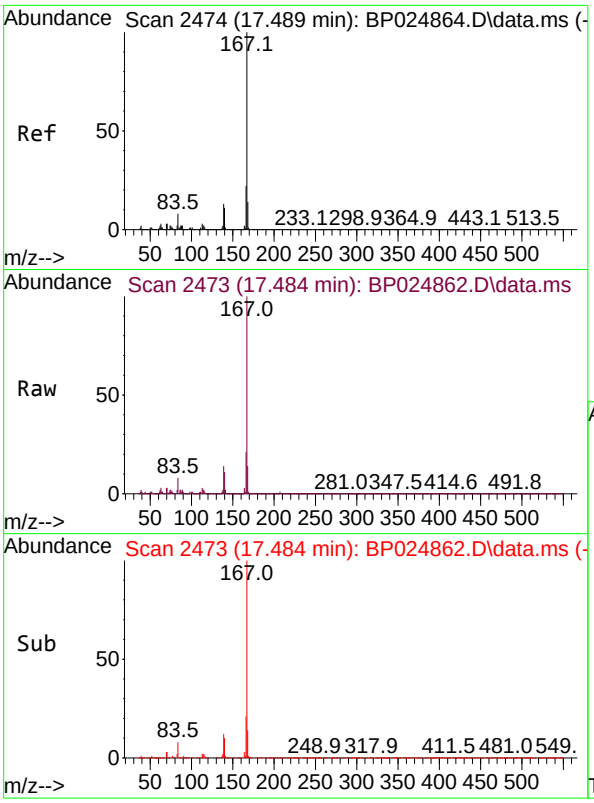


#72
Anthracene
Concen: 9.767 ng
RT: 17.195 min Scan# 2424
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:178 Resp: 648264

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.7	22.1
179	14.9	12.3	18.5

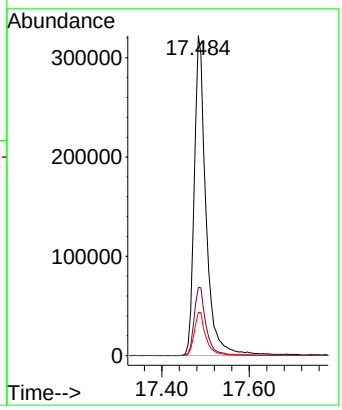




#73
Carbazole
Concen: 9.761 ng
RT: 17.484 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:167 Resp: 60047

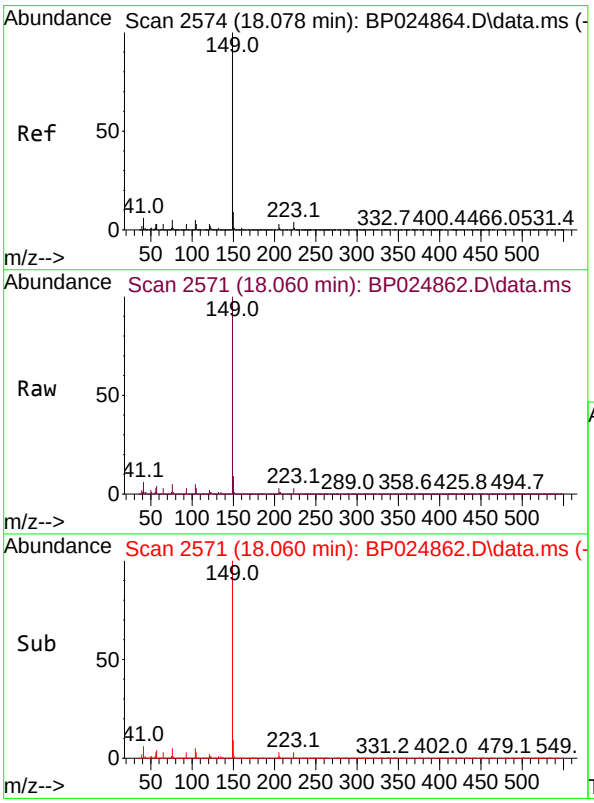
Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.3	25.9
139	13.6	10.8	16.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

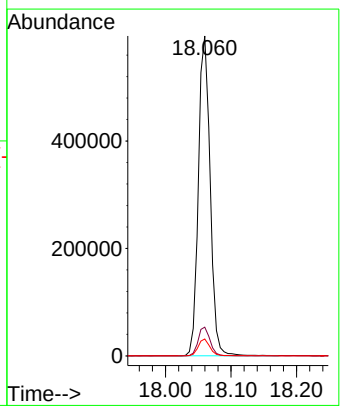
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

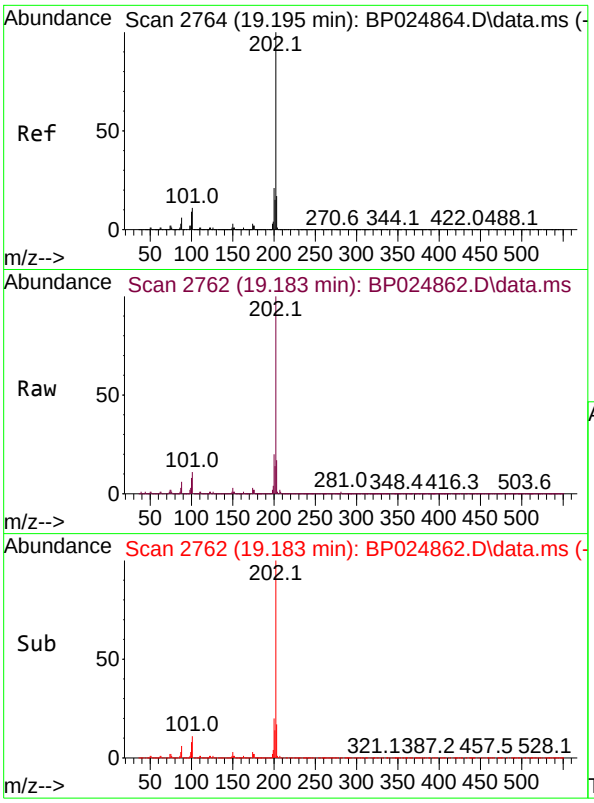


#74
Di-n-butylphthalate
Concen: 9.688 ng
RT: 18.060 min Scan# 2571
Delta R.T. -0.018 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:149 Resp: 738469

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.2
104	5.3	4.2	6.2





#75
Fluoranthene
Concen: 10.047 ng
RT: 19.183 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

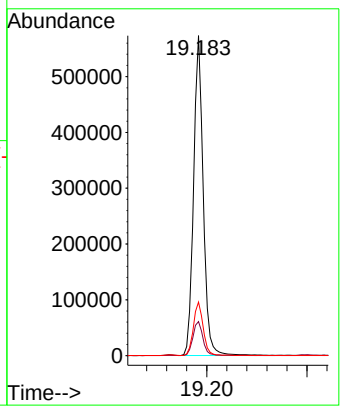
Tgt Ion:202 Resp: 763158

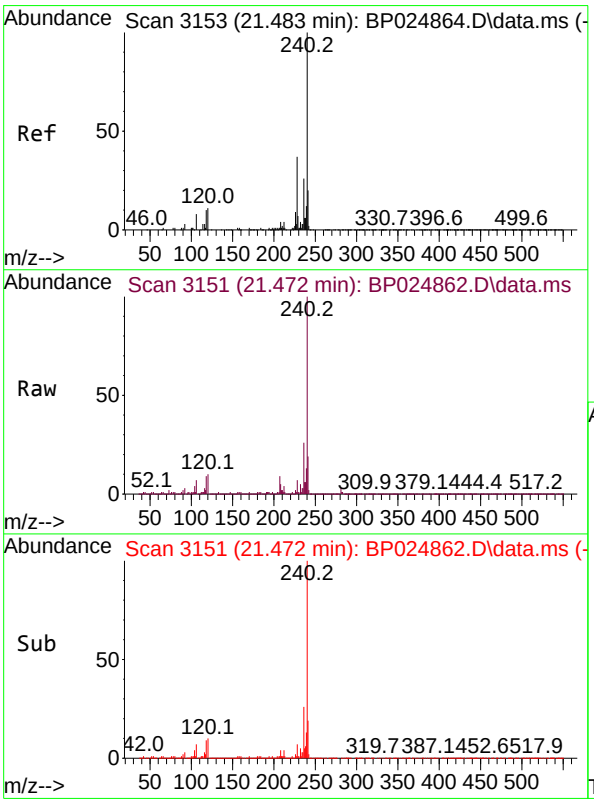
Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	31.4
203	16.7	0.0	37.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

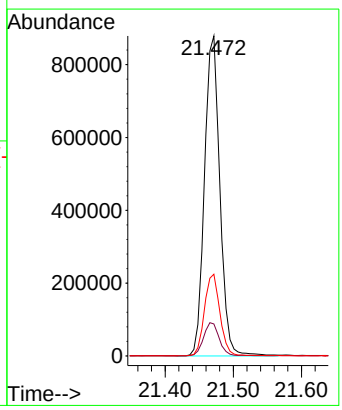


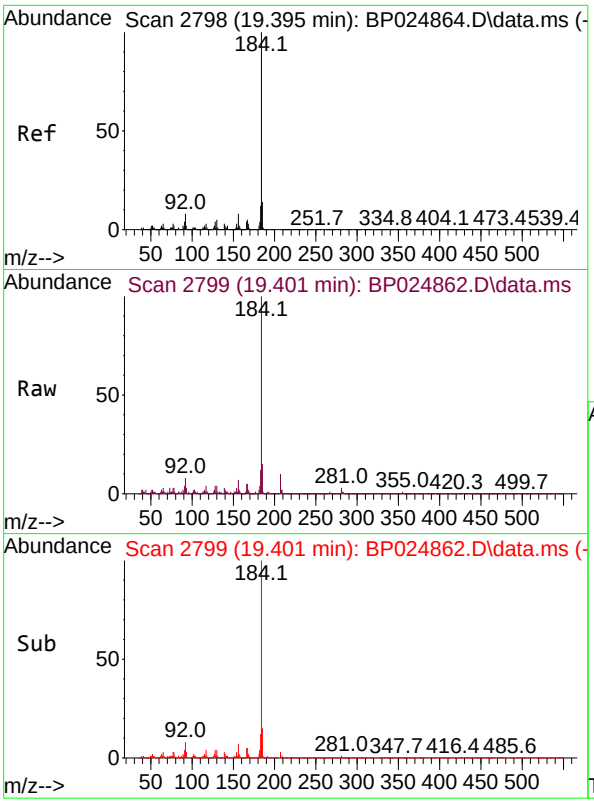


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.472 min Scan# 3151
Delta R.T. -0.012 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:240 Resp: 1377321

Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.9	13.3
236	25.5	20.9	31.3

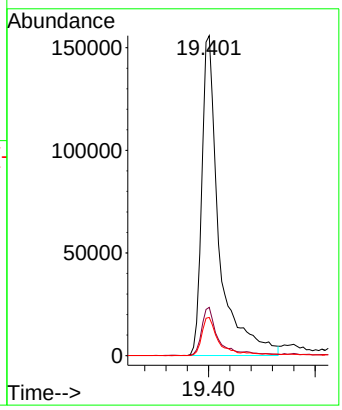




#77
Benzidine
Concen: 8.271 ng
RT: 19.401 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:184 Resp: 35283

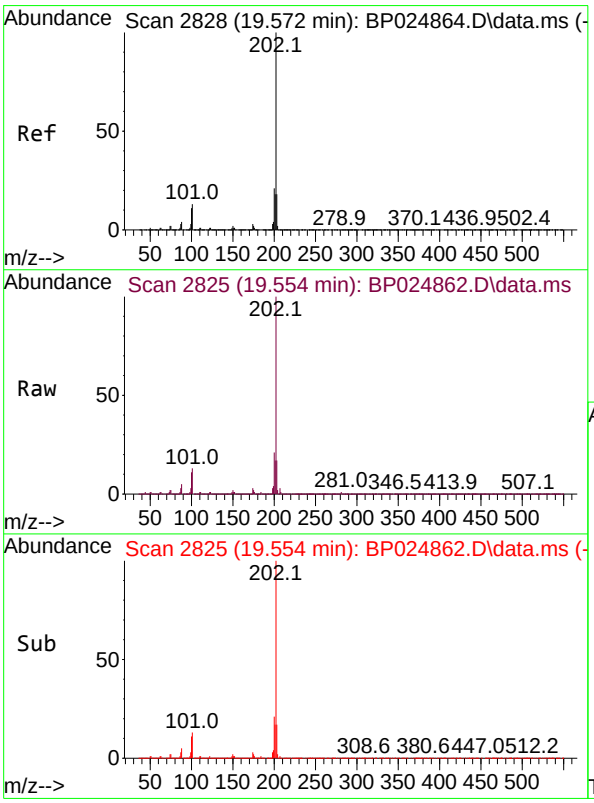
Ion	Ratio	Lower	Upper
184	100		
185	15.1	11.4	17.0
183	12.0	9.5	14.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

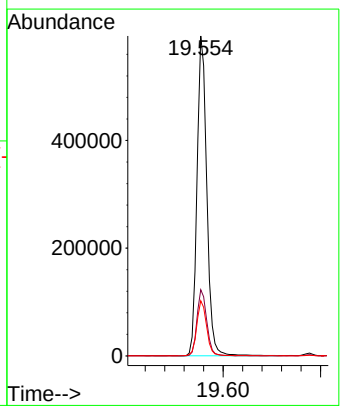
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

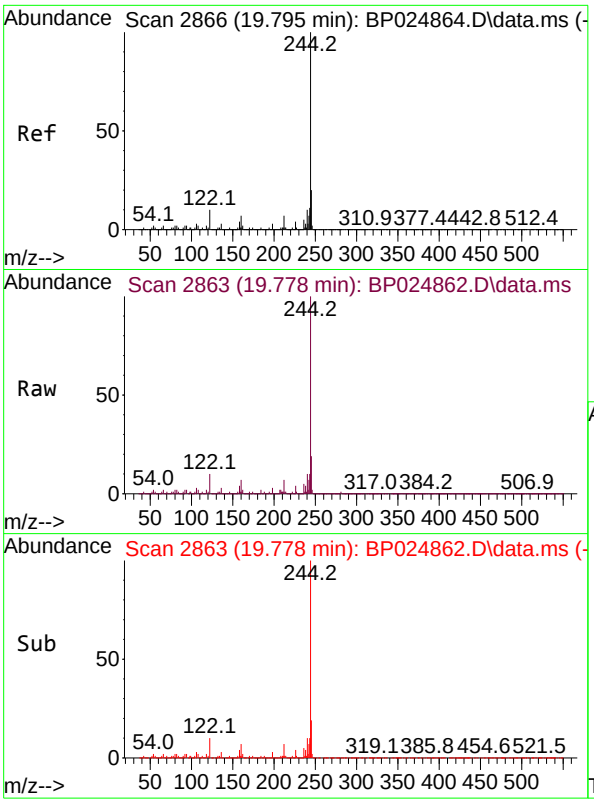


#78
Pyrene
Concen: 9.565 ng
RT: 19.554 min Scan# 2825
Delta R.T. -0.018 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:202 Resp: 823026

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.1	25.7
203	17.2	14.0	21.0

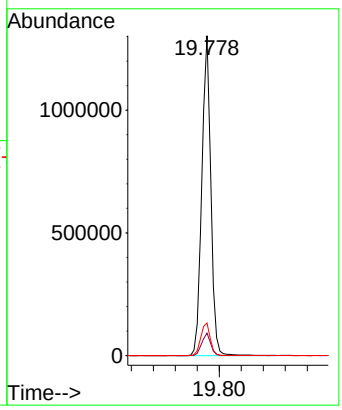




#79
Terphenyl-d14
Concen: 19.238 ng
RT: 19.778 min Scan# 28
Delta R.T. -0.018 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:244 Resp: 147839

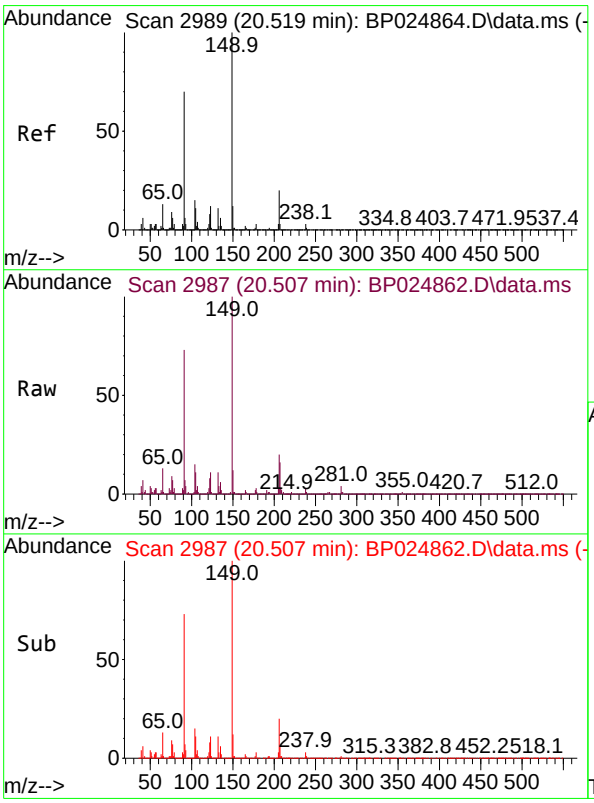
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	10.2	7.7	11.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

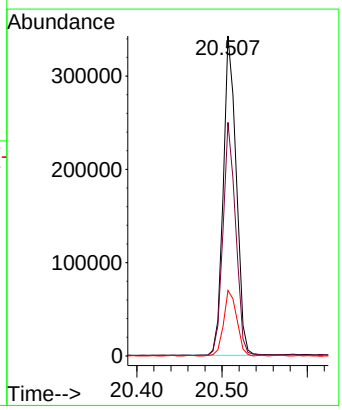
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

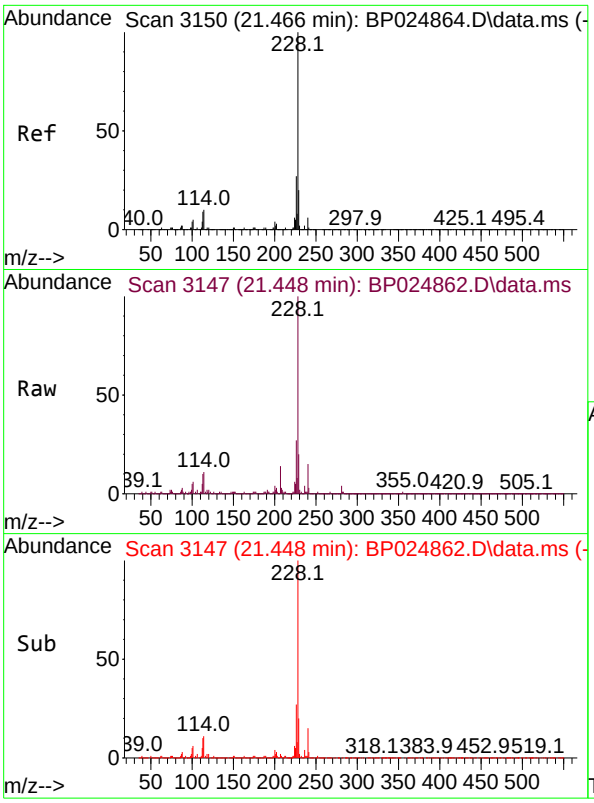


#80
Butylbenzylphthalate
Concen: 9.243 ng
RT: 20.507 min Scan# 2987
Delta R.T. -0.012 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:149 Resp: 364314

Ion	Ratio	Lower	Upper
149	100		
91	73.0	55.8	83.8
206	20.4	16.2	24.2

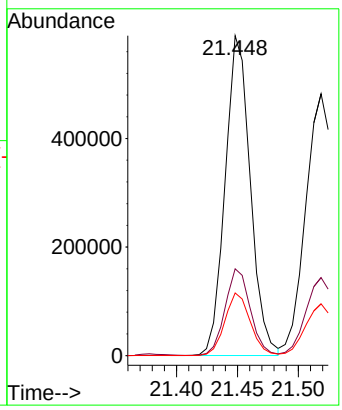




#81
Benzo(a)anthracene
Concen: 9.650 ng
RT: 21.448 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:228 Resp: 85004

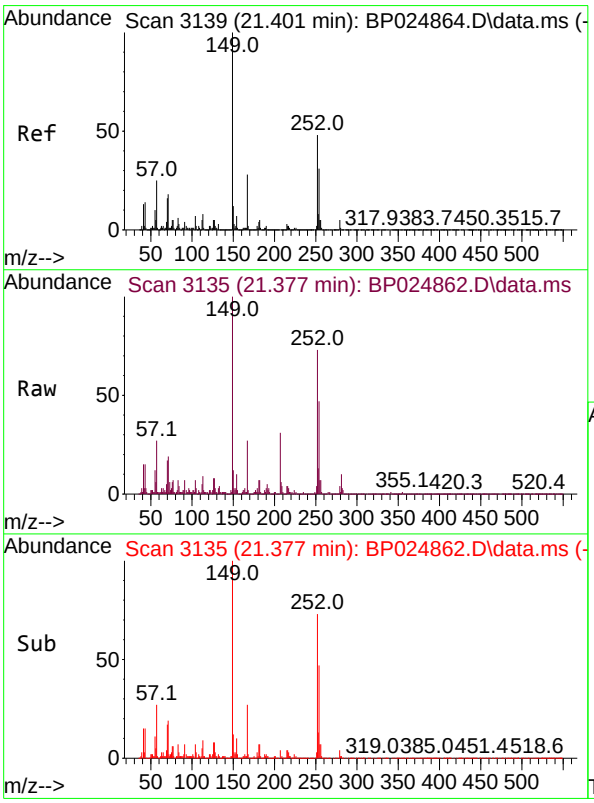
Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.1	33.1
229	19.6	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

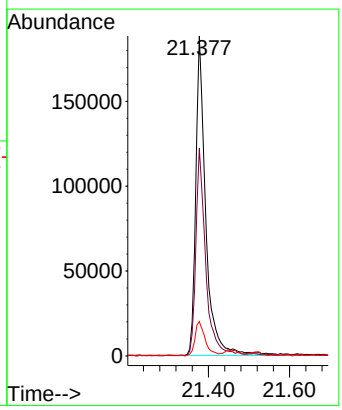
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

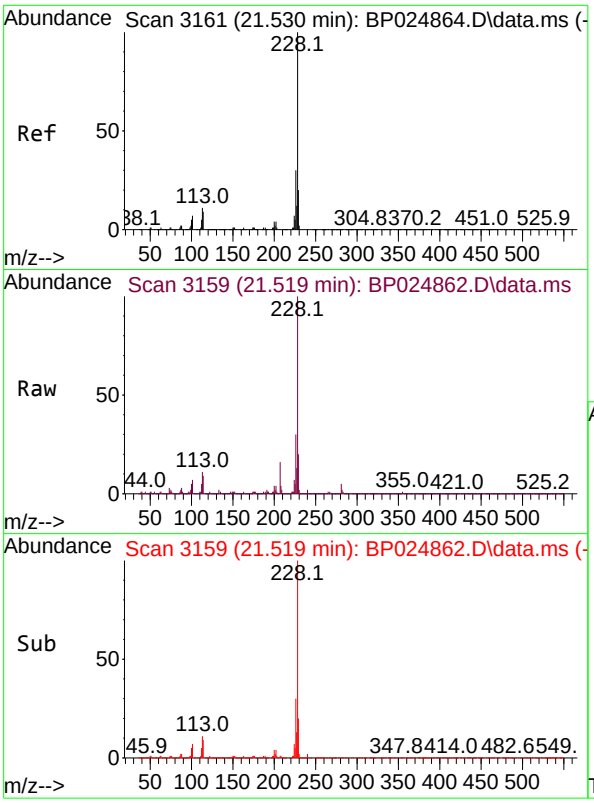


#82
3,3'-Dichlorobenzidine
Concen: 9.212 ng
RT: 21.377 min Scan# 3135
Delta R.T. -0.024 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:252 Resp: 322154

Ion	Ratio	Lower	Upper
252	100		
254	64.9	51.2	76.8
126	10.7	8.6	12.8

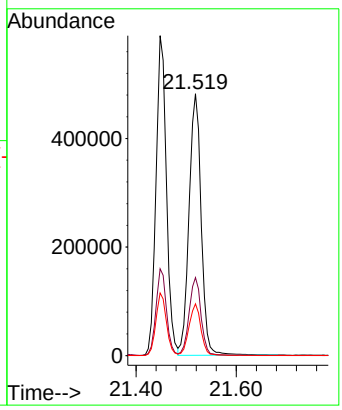




#83
Chrysene
Concen: 9.687 ng
RT: 21.519 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:228 Resp: 80858

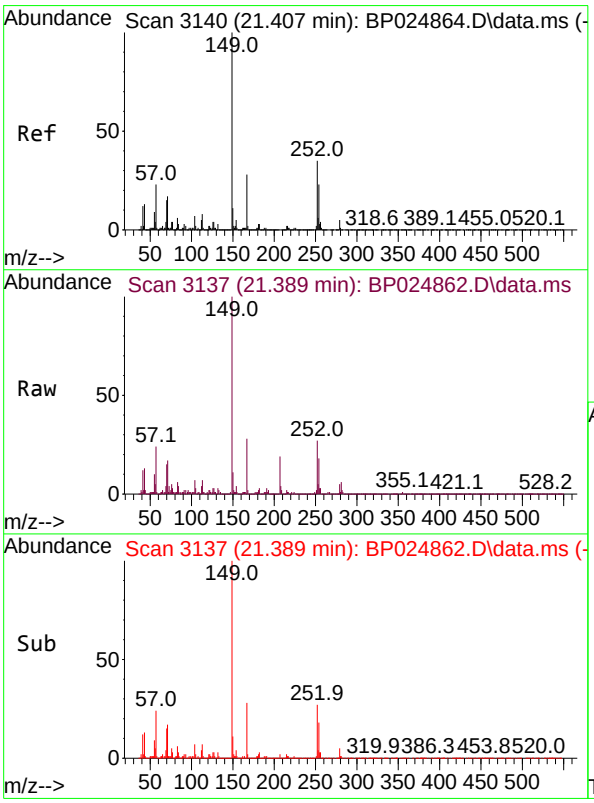
Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.8	35.6
229	19.8	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

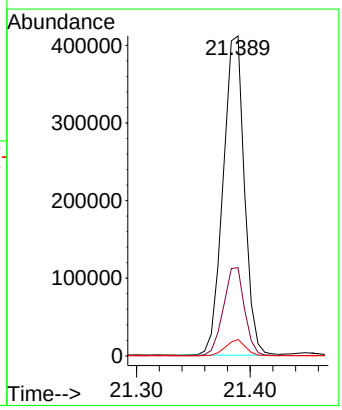
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

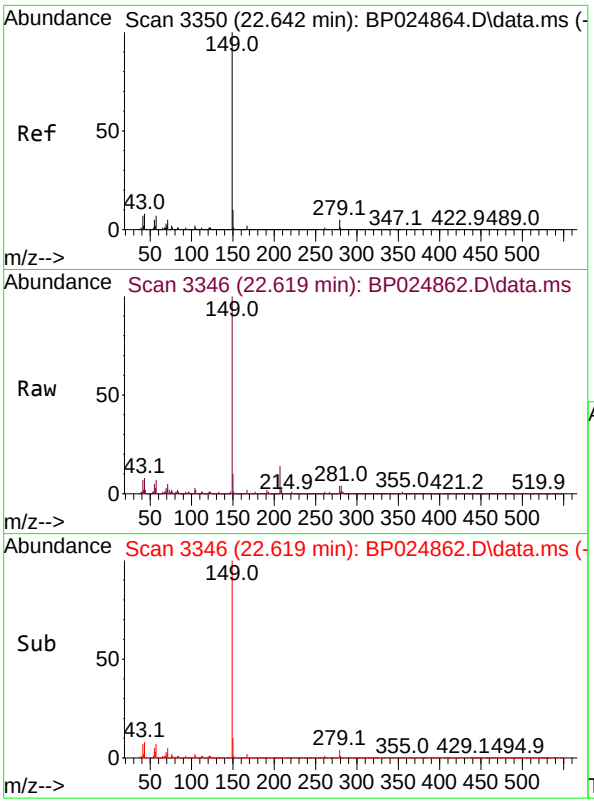


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.509 ng
RT: 21.389 min Scan# 3137
Delta R.T. -0.018 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:149 Resp: 536981

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.2	33.4
279	5.1	4.0	6.0

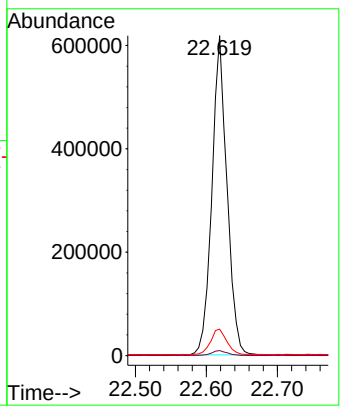




#85
Di-n-octyl phthalate
Concen: 9.134 ng
RT: 22.619 min Scan# 3
Delta R.T. -0.024 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:149 Resp: 90917

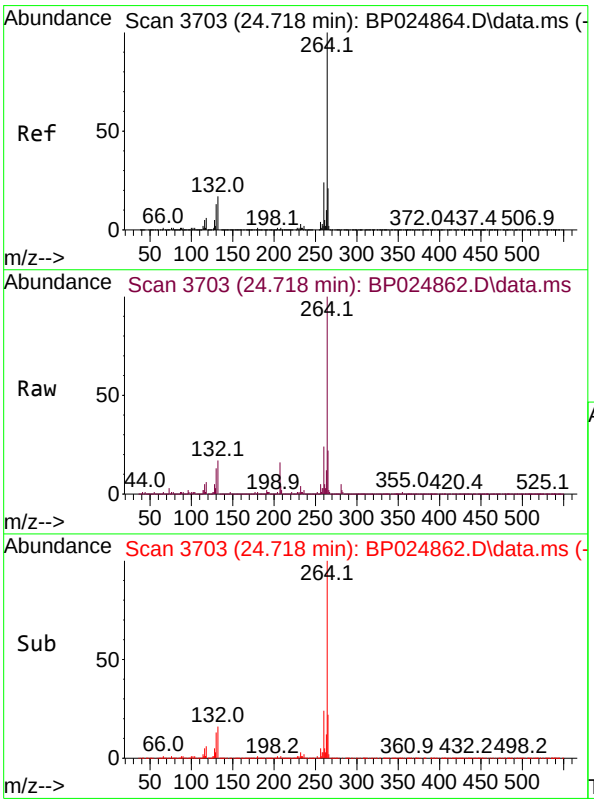
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.6	6.6	10.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

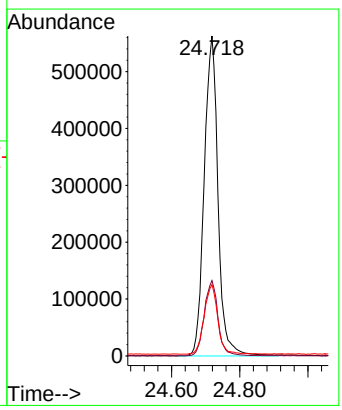
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

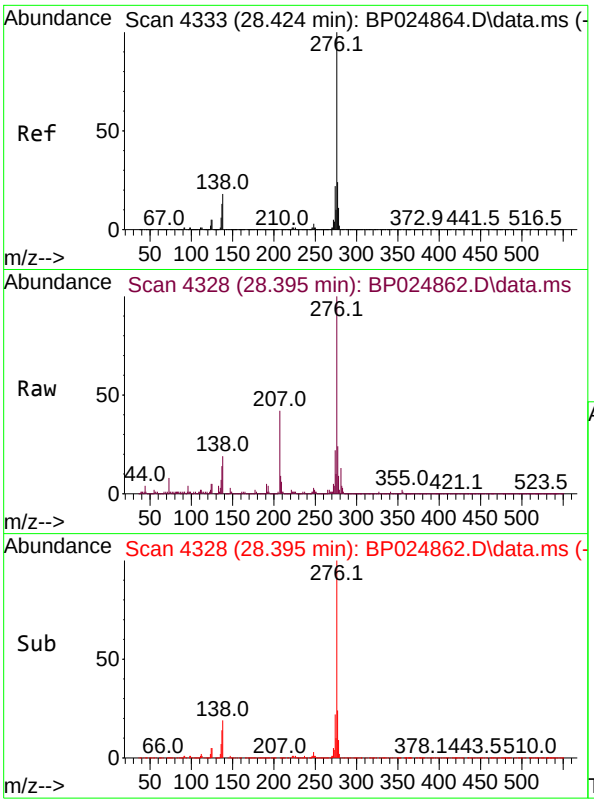


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.718 min Scan# 3703
Delta R.T. -0.000 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:264 Resp: 1582534

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.0	28.4
265	22.3	17.4	26.0

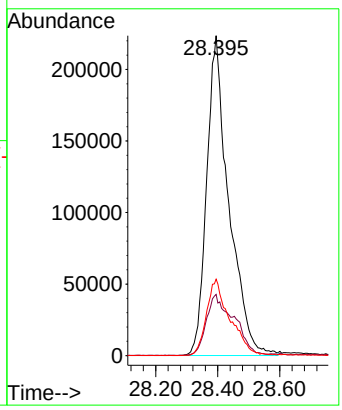




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.607 ng
RT: 28.395 min Scan# 4
Delta R.T. -0.029 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:276 Resp: 110929

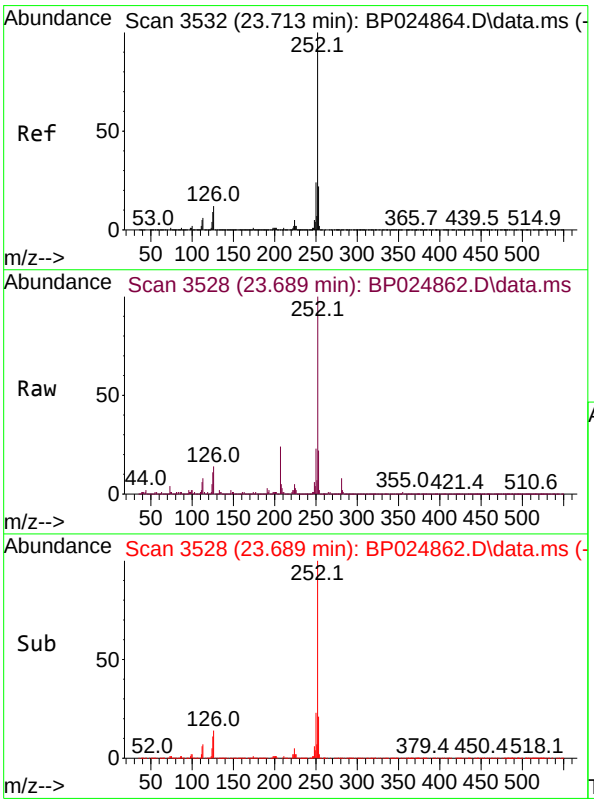
Ion	Ratio	Lower	Upper
276	100		
138	23.8	18.6	27.8
277	25.1	20.2	30.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

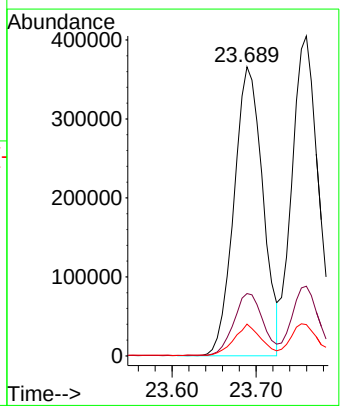
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

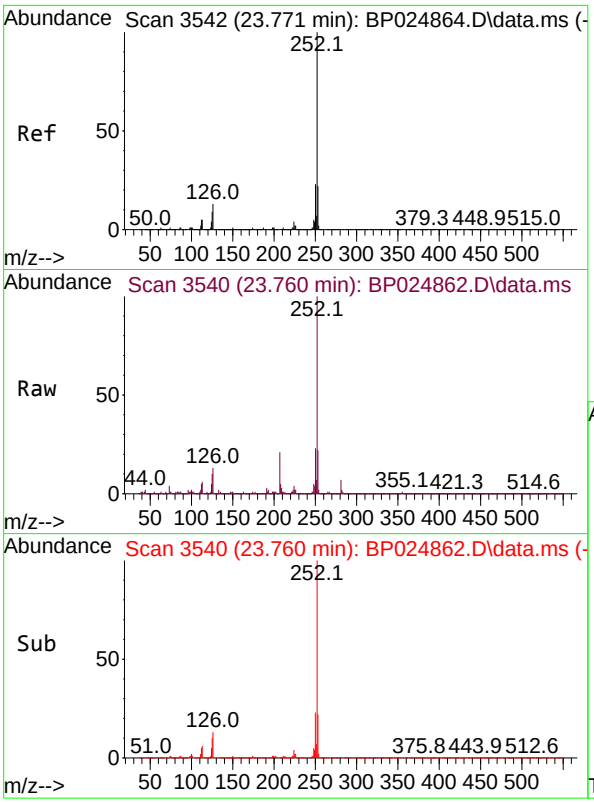


#88
Benzo(b)fluoranthene
Concen: 9.645 ng m
RT: 23.689 min Scan# 3528
Delta R.T. -0.024 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:252 Resp: 873515

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.6	26.4
125	11.0	7.1	10.7#

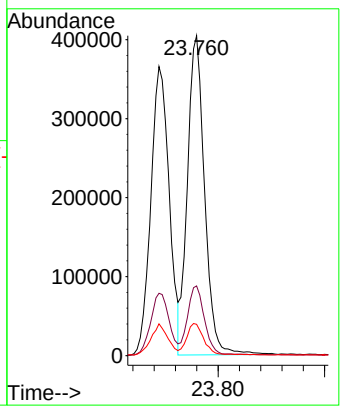




#89
Benzo(k)fluoranthene
Concen: 9.819 ng
RT: 23.760 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:252 Resp: 90526

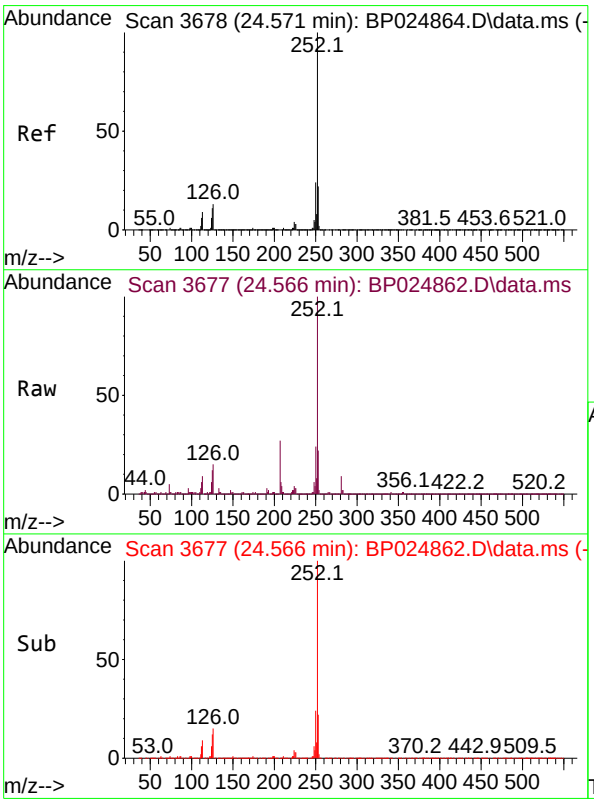
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	9.8	7.4	11.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

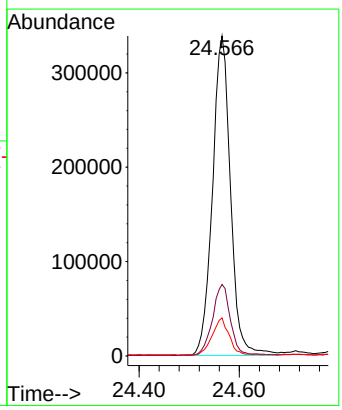
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

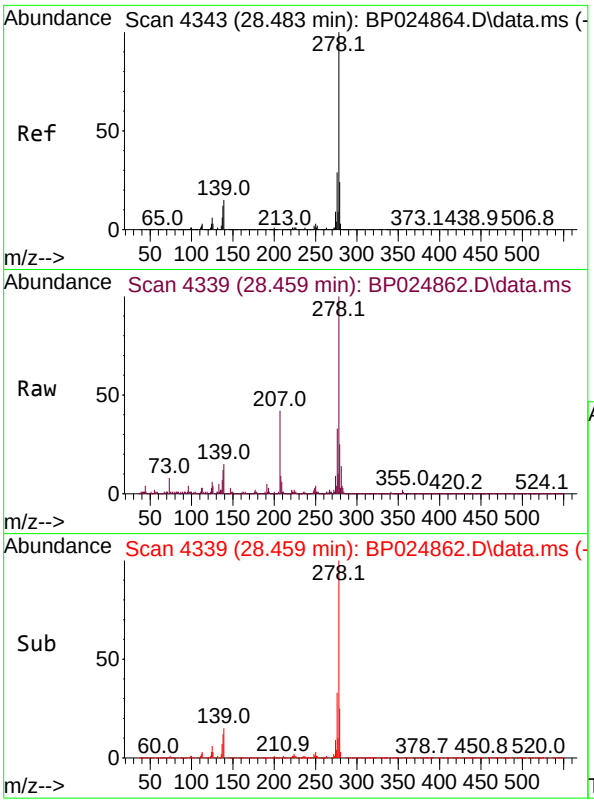


#90
Benzo(a)pyrene
Concen: 9.562 ng
RT: 24.566 min Scan# 3677
Delta R.T. -0.006 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:252 Resp: 845698

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	11.9	8.8	13.2

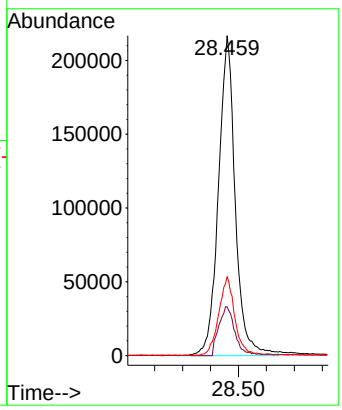




#91
Dibenzo(a,h)anthracene
Concen: 9.624 ng
RT: 28.459 min Scan# 4
Delta R.T. -0.024 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:278 Resp: 90452

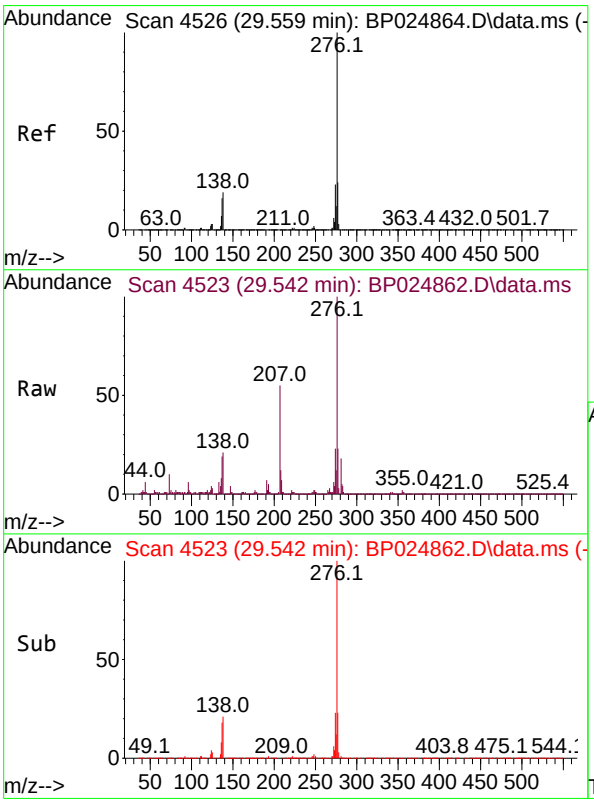
Ion	Ratio	Lower	Upper
278	100		
139	15.2	12.0	18.0
279	24.6	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

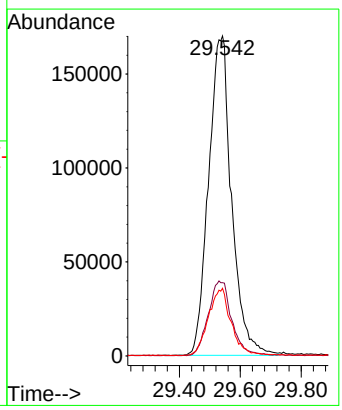
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025



#92
Benzo(g,h,i)perylene
Concen: 9.560 ng
RT: 29.542 min Scan# 4523
Delta R.T. -0.018 min
Lab File: BP024862.D
Acq: 06 Jun 2025 11:52

Tgt Ion:276 Resp: 891492

Ion	Ratio	Lower	Upper
276	100		
277	22.9	19.1	28.7
138	21.1	15.4	23.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024863.D
Acq On : 06 Jun 2025 12:33
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

Quant Time: Jun 06 16:00:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	222586	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	933995	20.000	ng	0.00
39) Acenaphthene-d10	14.248	164	604798	20.000	ng	0.00
64) Phenanthrene-d10	17.048	188	1187838	20.000	ng	-0.01
76) Chrysene-d12	21.483	240	1296607	20.000	ng	0.00
86) Perylene-d12	24.730	264	1539603	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.243	112	537271	40.291	ng	0.00
7) Phenol-d6	6.814	99	706853	40.063	ng	0.00
23) Nitrobenzene-d5	8.760	82	789724	41.087	ng	0.00
42) 2,4,6-Tribromophenol	15.766	330	337588	40.373	ng	-0.02
45) 2-Fluorobiphenyl	12.854	172	1834625	40.864	ng	0.00
79) Terphenyl-d14	19.783	244	2972885	41.093	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.167	88	116694	19.888	ng	99
3) Pyridine	3.572	79	281621	19.958	ng	98
4) n-Nitrosodimethylamine	3.484	42	113202	19.623	ng	99
6) Aniline	6.955	93	448798	19.932	ng	98
8) 2-Chlorophenol	7.190	128	299518	19.813	ng	99
9) Benzaldehyde	6.772	77	238300m	23.366	ng	
10) Phenol	6.843	94	359664	19.774	ng	98
11) bis(2-Chloroethyl)ether	7.049	93	296876	20.752	ng	99
12) 1,3-Dichlorobenzene	7.502	146	342054	20.283	ng	99
13) 1,4-Dichlorobenzene	7.643	146	341710	20.082	ng	99
14) 1,2-Dichlorobenzene	7.960	146	331251	19.825	ng	99
15) Benzyl Alcohol	7.866	79	263723	19.476	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.125	45	383219	20.467	ng	98
17) 2-Methylphenol	8.072	107	253261	19.940	ng	96
18) Hexachloroethane	8.666	117	129276	20.180	ng	96
19) n-Nitroso-di-n-propyla...	8.408	70	246328	20.537	ng	99
20) 3+4-Methylphenols	8.402	107	344513	19.881	ng	97
22) Acetophenone	8.425	105	476927	20.211	ng	98
24) Nitrobenzene	8.802	77	350404	20.521	ng	98
25) Isophorone	9.325	82	676527	20.309	ng	100
26) 2-Nitrophenol	9.513	139	166277	19.736	ng	99
27) 2,4-Dimethylphenol	9.584	122	289730	20.094	ng	99
28) bis(2-Chloroethoxy)met...	9.802	93	409390	20.603	ng	99
29) 2,4-Dichlorophenol	10.060	162	280050	20.242	ng	100
30) 1,2,4-Trichlorobenzene	10.243	180	313253	20.074	ng	99
31) Naphthalene	10.431	128	975495	20.381	ng	100
32) Benzoic acid	9.725	122	168675	17.546	ng	97
33) 4-Chloroaniline	10.554	127	406109	20.252	ng	99
34) Hexachlorobutadiene	10.707	225	194310	20.660	ng	99
35) Caprolactam	11.337	113	101727	19.975	ng	98
36) 4-Chloro-3-methylphenol	11.701	107	328233	20.569	ng	98
37) 2-Methylnaphthalene	12.043	142	615339	20.267	ng	99
38) 1-Methylnaphthalene	12.266	142	670212	20.648	ng	97
40) 1,2,4,5-Tetrachloroben...	12.419	216	343533	20.018	ng	100
41) Hexachlorocyclopentadiene	12.390	237	190407	18.191	ng	100
43) 2,4,6-Trichlorophenol	12.684	196	233556	20.265	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024863.D
Acq On : 06 Jun 2025 12:33
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 06 16:00:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	12.766	196	250294	20.279	ng		99
46)	1,1'-Biphenyl	13.066	154	898074	20.433	ng		99
47)	2-Chloronaphthalene	13.113	162	686558	20.324	ng		100
48)	2-Nitroaniline	13.337	65	208318	20.059	ng		97
49)	Acenaphthylene	13.966	152	1144019	20.311	ng		99
50)	Dimethylphthalate	13.707	163	908091	20.354	ng		100
51)	2,6-Dinitrotoluene	13.831	165	197073	20.490	ng		98
52)	Acenaphthene	14.313	154	658935	20.416	ng		99
53)	3-Nitroaniline	14.172	138	204033	20.442	ng		97
54)	2,4-Dinitrophenol	14.401	184	93544	19.461	ng		97
55)	Dibenzofuran	14.654	168	1061912	20.497	ng		99
56)	4-Nitrophenol	14.548	139	128784	19.619	ng		98
57)	2,4-Dinitrotoluene	14.637	165	276443	20.547	ng		99
58)	Fluorene	15.319	166	858671	20.517	ng		99
59)	2,3,4,6-Tetrachlorophenol	14.901	232	217510	19.689	ng		99
60)	Diethylphthalate	15.090	149	899294	20.225	ng		98
61)	4-Chlorophenyl-phenyle...	15.307	204	416662	20.361	ng		99
62)	4-Nitroaniline	15.360	138	185839	20.523	ng		98
63)	Azobenzene	15.607	77	843121	20.675	ng		99
65)	4,6-Dinitro-2-methylph...	15.425	198	148616	19.041	ng		100
66)	n-Nitrosodiphenylamine	15.531	169	751407	20.409	ng		99
67)	4-Bromophenyl-phenylether	16.225	248	268797	20.055	ng		99
68)	Hexachlorobenzene	16.342	284	323008	19.880	ng		99
69)	Atrazine	16.513	200	274257	20.548	ng		99
70)	Pentachlorophenol	16.713	266	155614	18.505	ng		98
71)	Phenanthrene	17.095	178	1318071	20.080	ng		100
72)	Anthracene	17.184	178	1350106	20.308	ng		100
73)	Carbazole	17.478	167	1256103	20.385	ng		100
74)	Di-n-butylphthalate	18.066	149	1575537	20.637	ng		99
75)	Fluoranthene	19.183	202	1552399	20.404	ng		100
77)	Benzidine	19.395	184	867418	21.600	ng		99
78)	Pyrene	19.560	202	1634896	20.183	ng		99
80)	Butylbenzylphthalate	20.513	149	753875	20.318	ng		99
81)	Benzo(a)anthracene	21.466	228	1669395	20.131	ng		99
82)	3,3'-Dichlorobenzidine	21.395	252	664556	20.185	ng		100
83)	Chrysene	21.530	228	1593419	20.278	ng		100
84)	Bis(2-ethylhexyl)phtha...	21.401	149	1097129	20.638	ng		99
85)	Di-n-octyl phthalate	22.630	149	1865014	19.903	ng		99
87)	Indeno(1,2,3-cd)pyrene	28.401	276	2261110	20.129	ng	#	92
88)	Benzo(b)fluoranthene	23.695	252	1743865	19.792	ng		98
89)	Benzo(k)fluoranthene	23.760	252	1817500	20.264	ng		99
90)	Benzo(a)pyrene	24.566	252	1735236	20.166	ng		99
91)	Dibenzo(a,h)anthracene	28.459	278	1850432	20.237	ng		99
92)	Benzo(g,h,i)perylene	29.530	276	1820845	20.071	ng		97

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

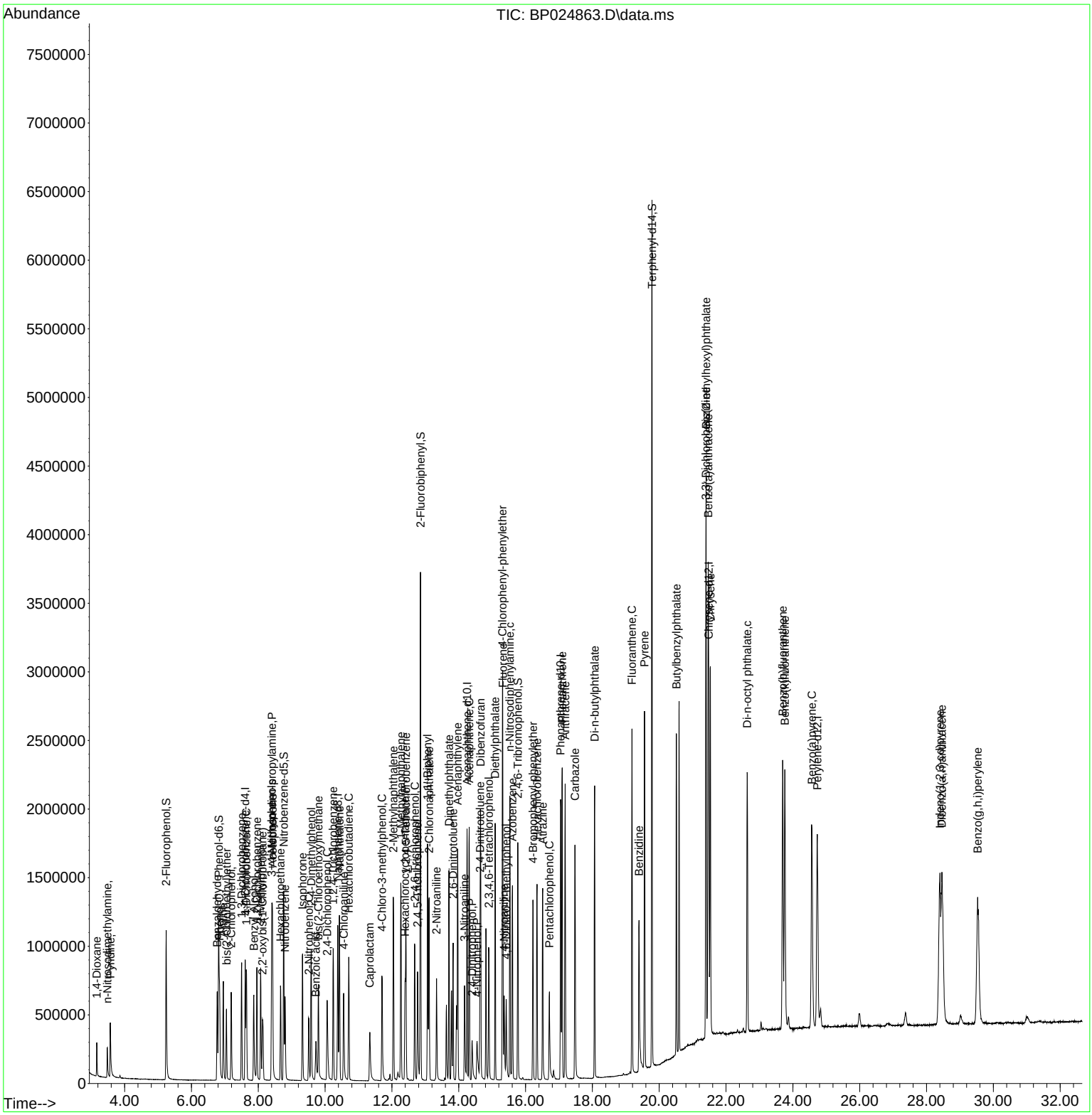
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Data File : BP024863.D
Acq On : 06 Jun 2025 12:33
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

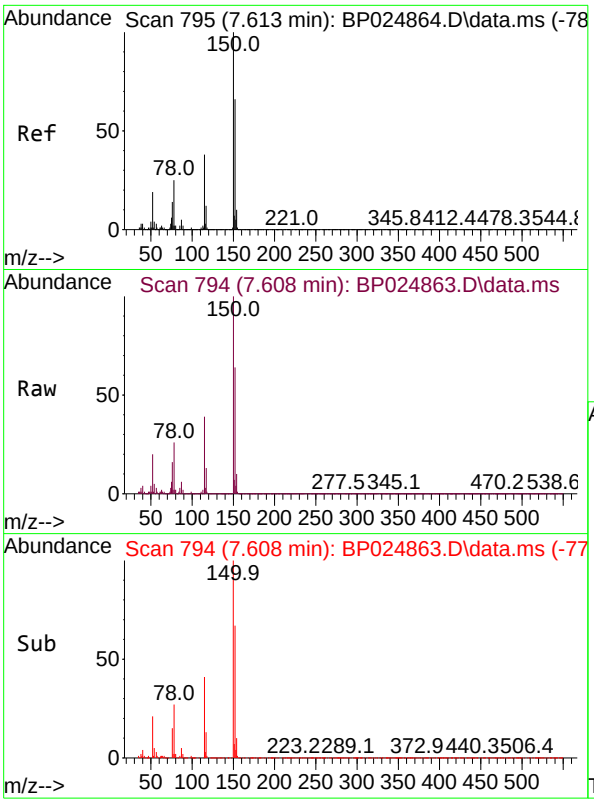
Quant Time: Jun 06 16:00:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

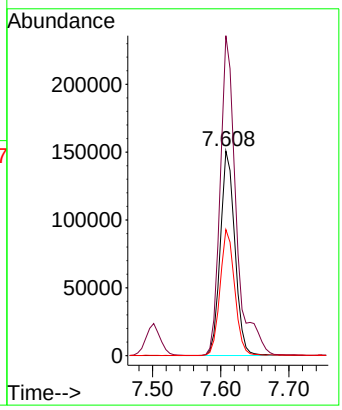




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 79
Delta R.T. -0.005 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:152 Resp: 22258

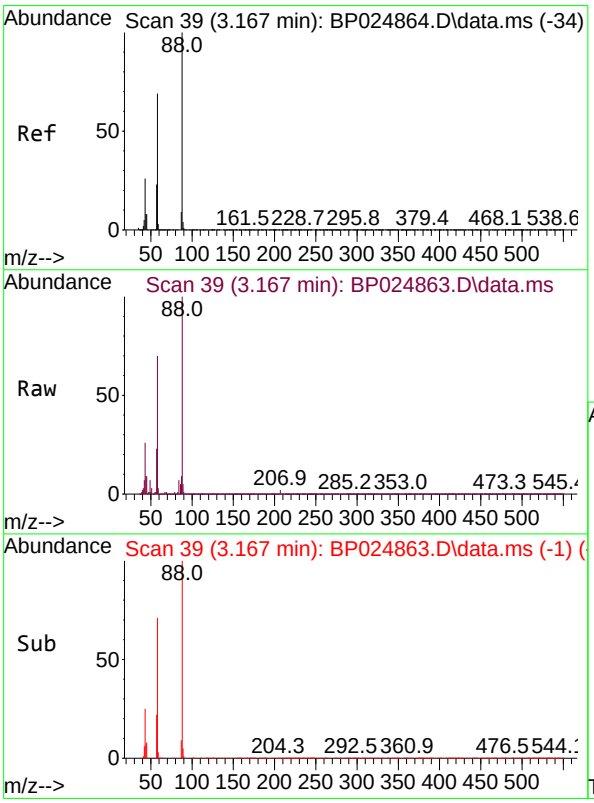
Ion	Ratio	Lower	Upper
152	100		
150	156.4	122.1	183.1
115	61.6	46.4	69.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

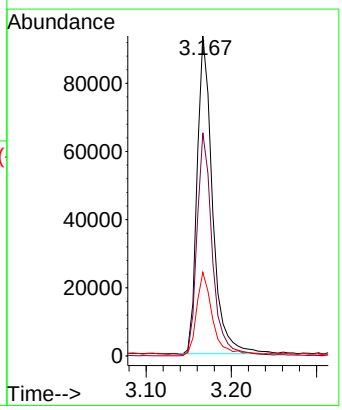
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

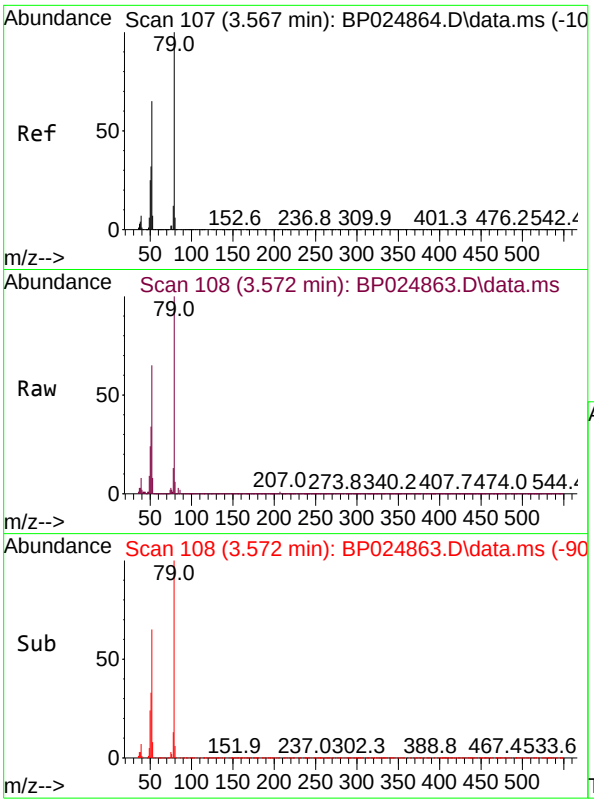


#2
1,4-Dioxane
Concen: 19.888 ng
RT: 3.167 min Scan# 39
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion: 88 Resp: 116694

Ion	Ratio	Lower	Upper
88	100		
58	70.6	55.4	83.0
43	25.6	20.8	31.2

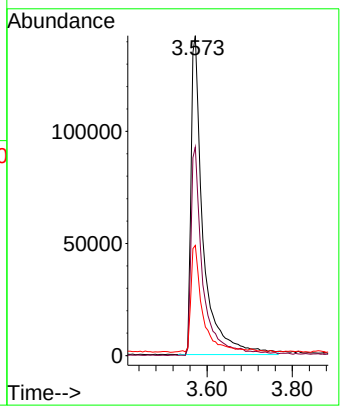




#3
Pyridine
Concen: 19.958 ng
RT: 3.572 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion: 79 Resp: 28162

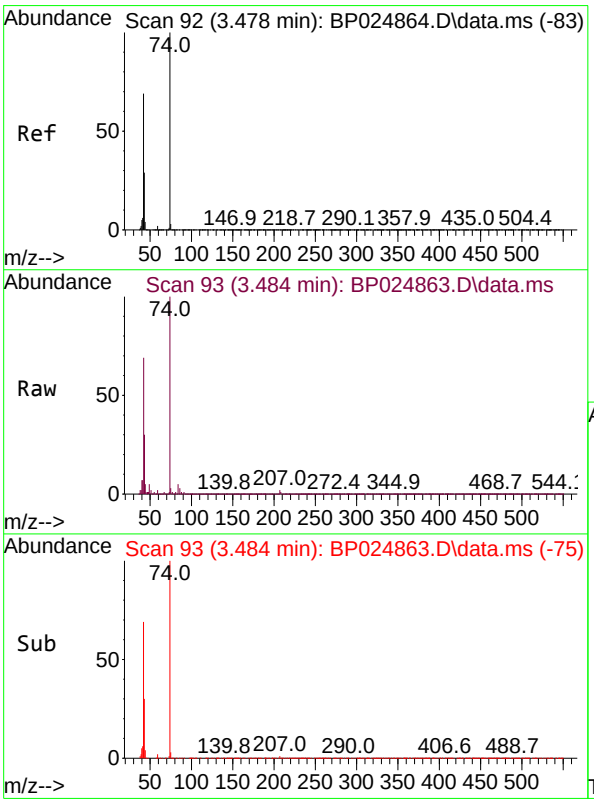
Ion	Ratio	Lower	Upper
79	100		
52	65.2	51.6	77.4
51	34.4	25.5	38.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

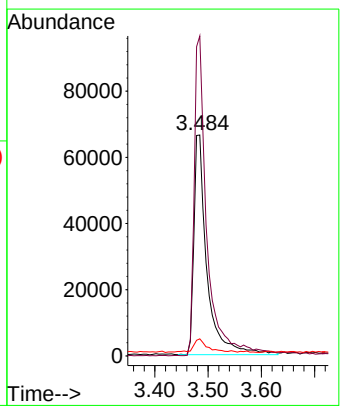
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

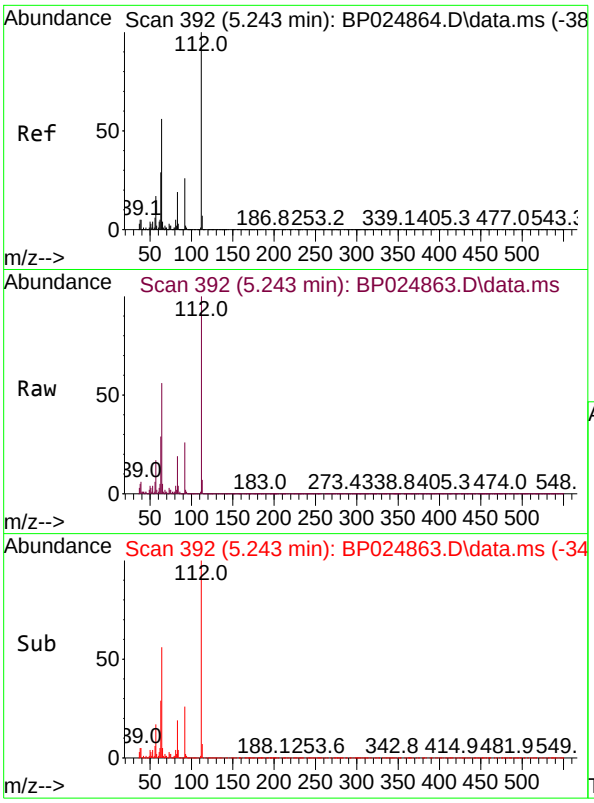


#4
n-Nitrosodimethylamine
Concen: 19.623 ng
RT: 3.484 min Scan# 93
Delta R.T. 0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion: 42 Resp: 113202

Ion	Ratio	Lower	Upper
42	100		
74	144.8	116.6	174.8
44	7.7	5.4	8.0

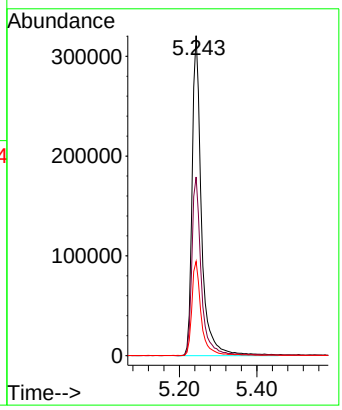




#5
2-Fluorophenol
Concen: 40.291 ng
RT: 5.243 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:112 Resp: 53727

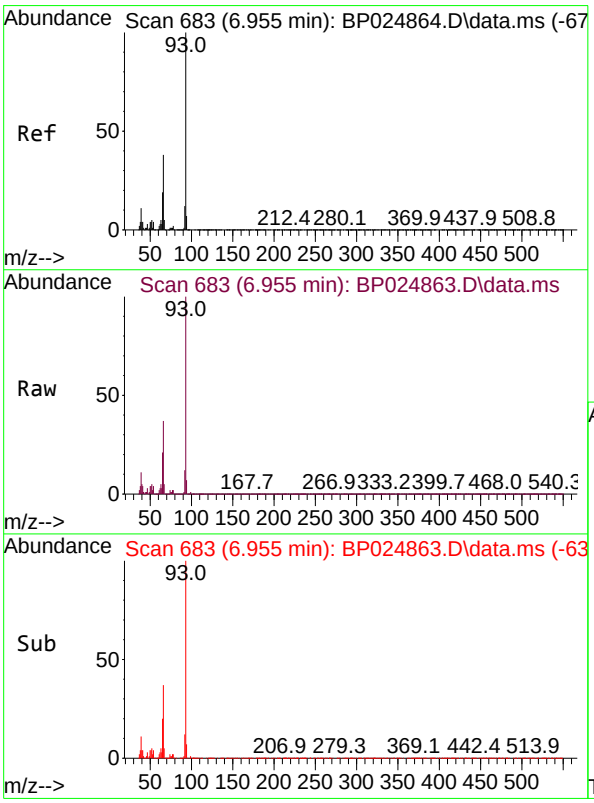
Ion	Ratio	Lower	Upper
112	100		
64	55.8	44.7	67.1
63	29.4	23.5	35.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

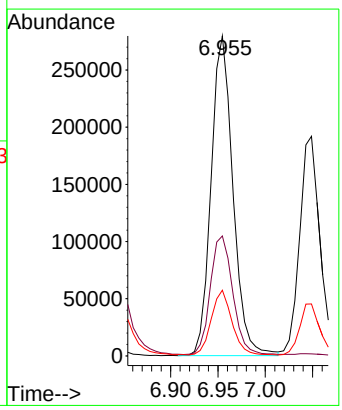
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

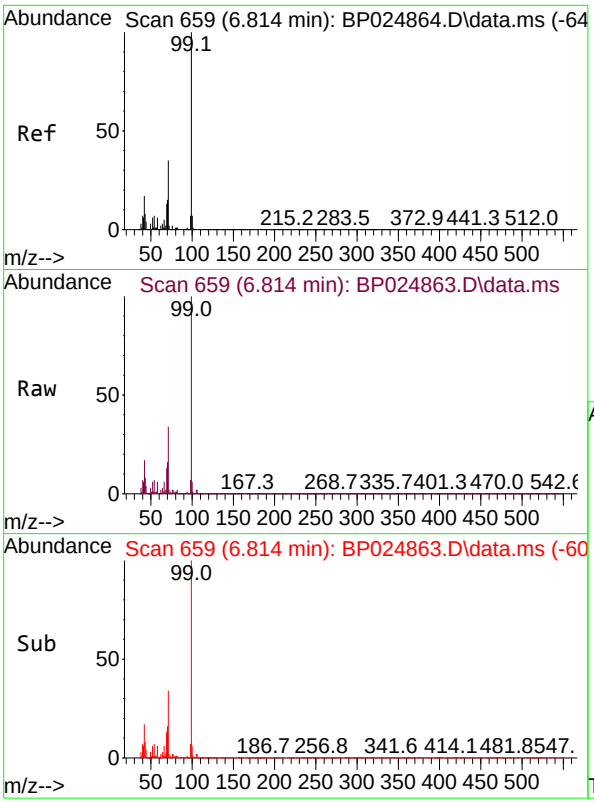


#6
Aniline
Concen: 19.932 ng
RT: 6.955 min Scan# 683
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion: 93 Resp: 448798

Ion	Ratio	Lower	Upper
93	100		
66	37.5	30.9	46.3
65	20.5	15.5	23.3

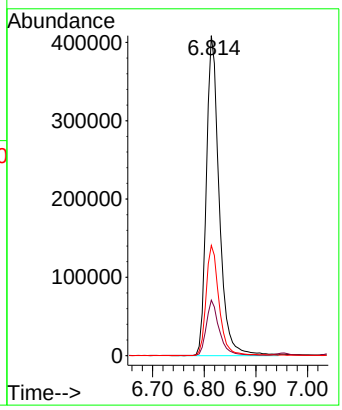




#7
Phenol-d6
Concen: 40.063 ng
RT: 6.814 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion: 99 Resp: 70685

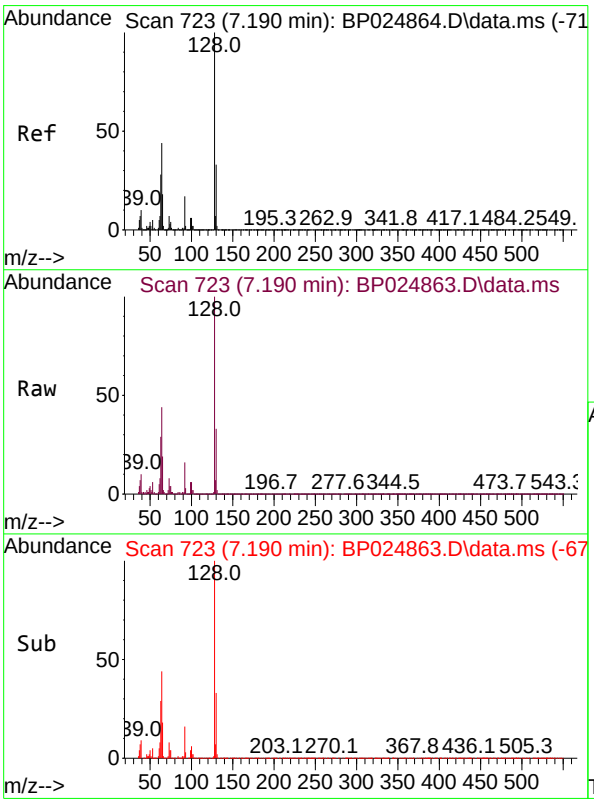
Ion	Ratio	Lower	Upper
99	100		
42	17.3	13.4	20.2
71	34.4	27.6	41.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

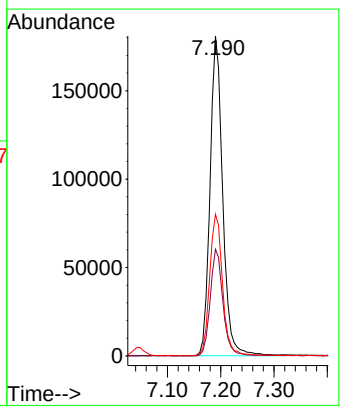
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

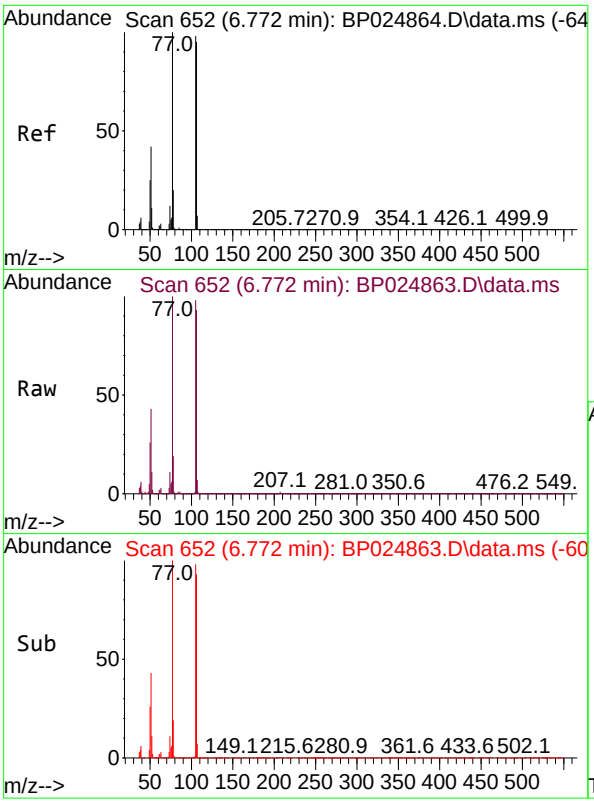


#8
2-Chlorophenol
Concen: 19.813 ng
RT: 7.190 min Scan# 723
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:128 Resp: 299518

Ion	Ratio	Lower	Upper
128	100		
130	33.3	12.6	52.6
64	44.3	24.1	64.1

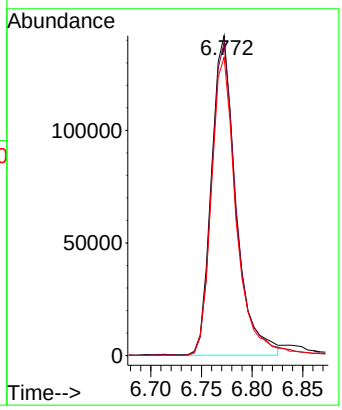




#9
Benzaldehyde
Concen: 23.366 ng m
RT: 6.772 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion: 77 Resp: 23830

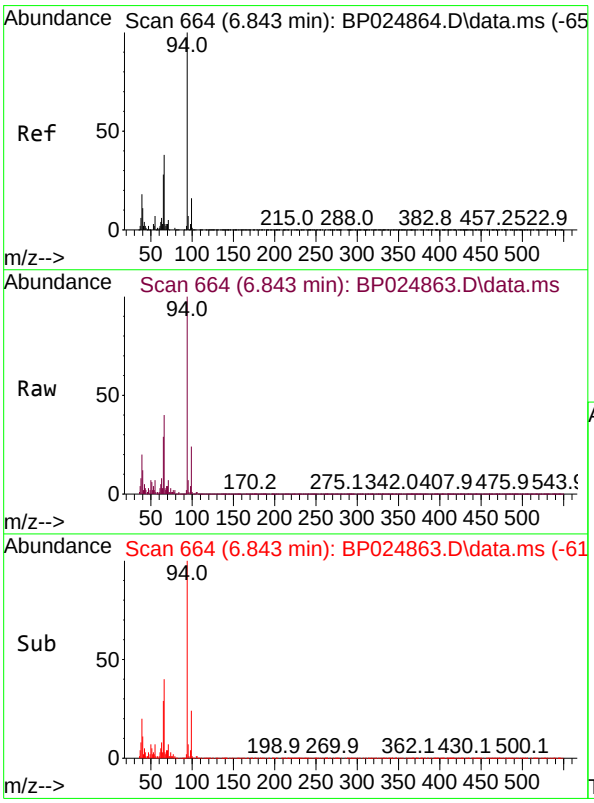
Ion	Ratio	Lower	Upper
77	100		
105	97.9	77.7	117.7
106	93.2	74.8	114.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

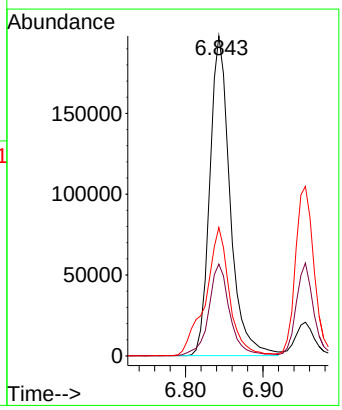
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

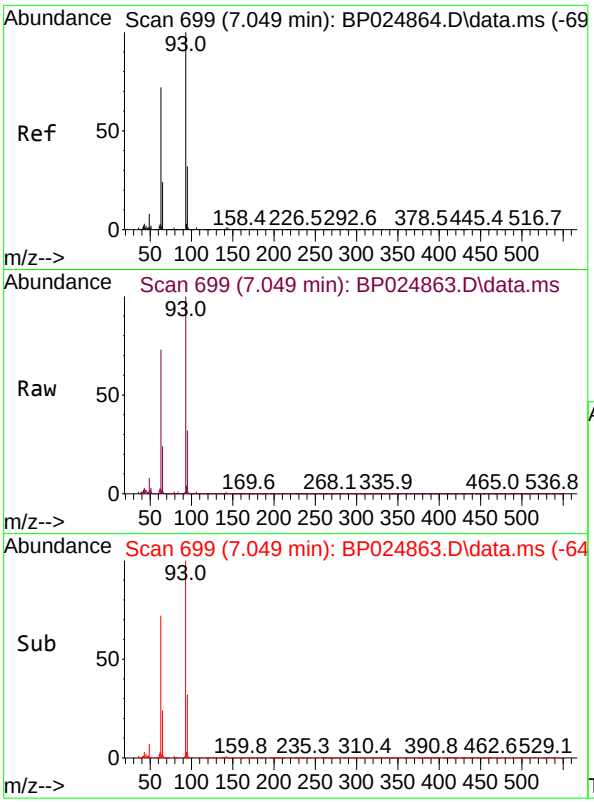


#10
Phenol
Concen: 19.774 ng
RT: 6.843 min Scan# 664
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion: 94 Resp: 359664

Ion	Ratio	Lower	Upper
94	100		
65	28.7	8.3	48.3
66	40.1	18.2	58.2

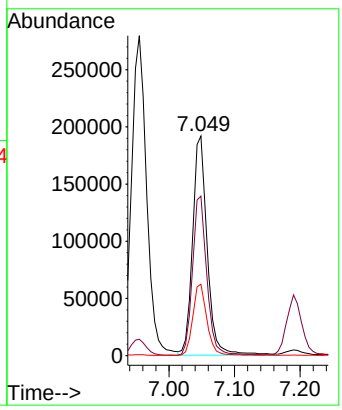




#11
bis(2-Chloroethyl)ether
Concen: 20.752 ng
RT: 7.049 min Scan# 69
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion: 93 Resp: 29687

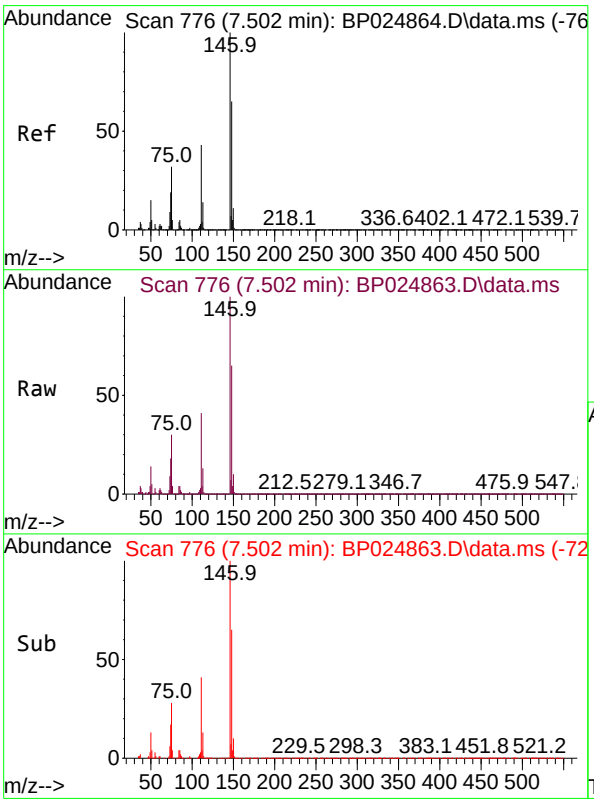
Ion	Ratio	Lower	Upper
93	100		
63	72.6	51.6	91.6
95	32.5	12.1	52.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

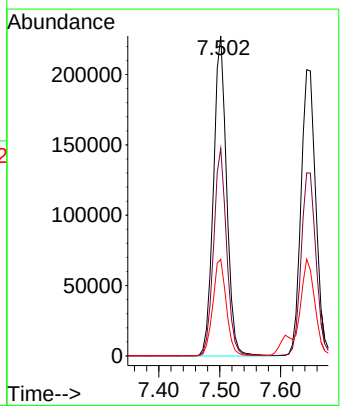
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

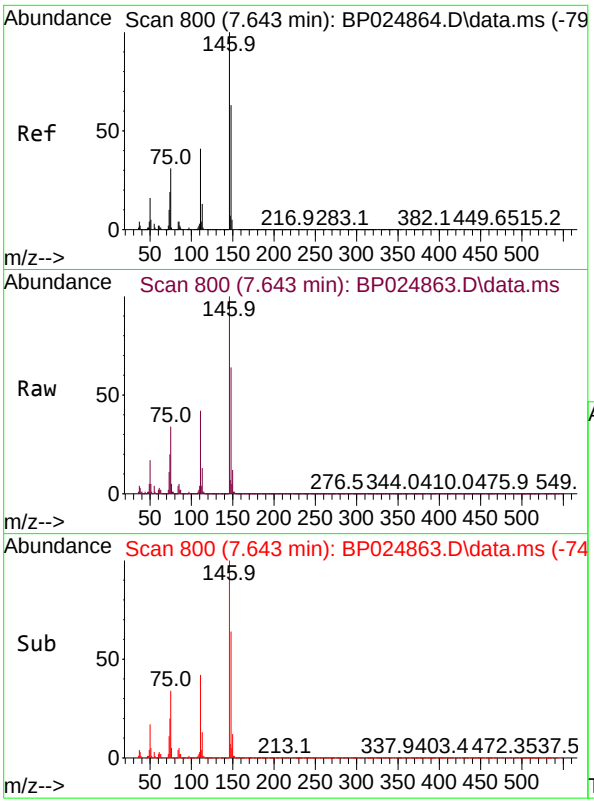


#12
1,3-Dichlorobenzene
Concen: 20.283 ng
RT: 7.502 min Scan# 776
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:146 Resp: 342054

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.8	77.8
75	30.1	25.3	37.9

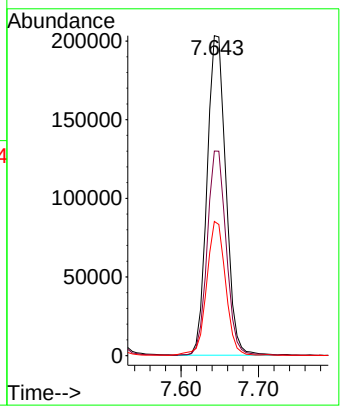




#13
1,4-Dichlorobenzene
Concen: 20.082 ng
RT: 7.643 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:146 Resp: 34171

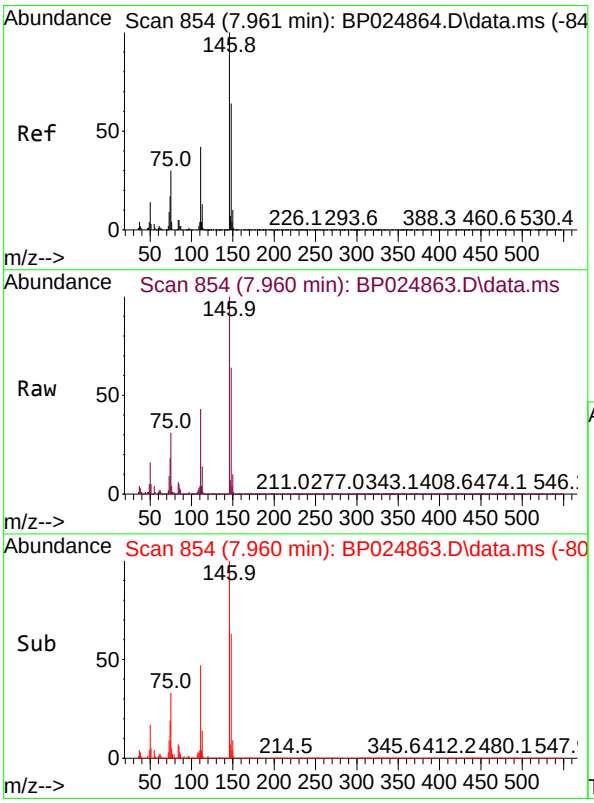
Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.8	76.2
111	41.9	32.7	49.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

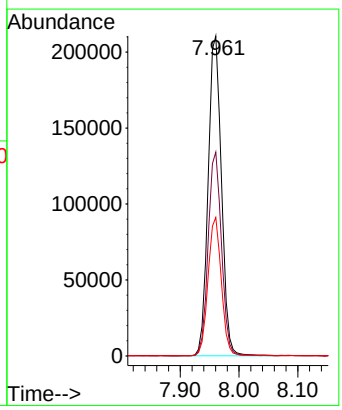
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

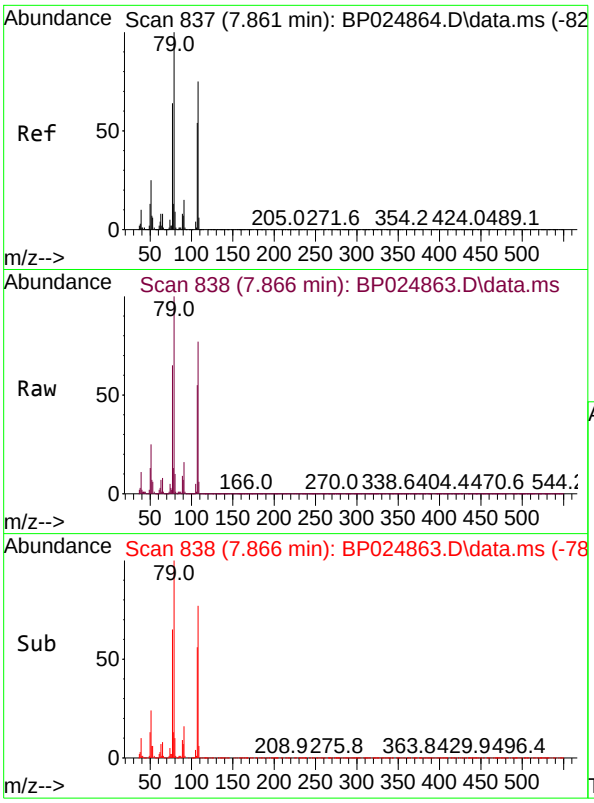


#14
1,2-Dichlorobenzene
Concen: 19.825 ng
RT: 7.960 min Scan# 854
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:146 Resp: 331251

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.4
111	43.3	33.8	50.8

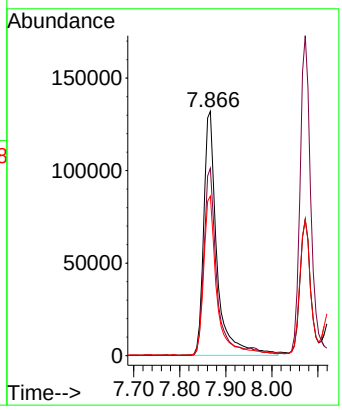




#15
Benzyl Alcohol
Concen: 19.476 ng
RT: 7.866 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion: 79 Resp: 26372

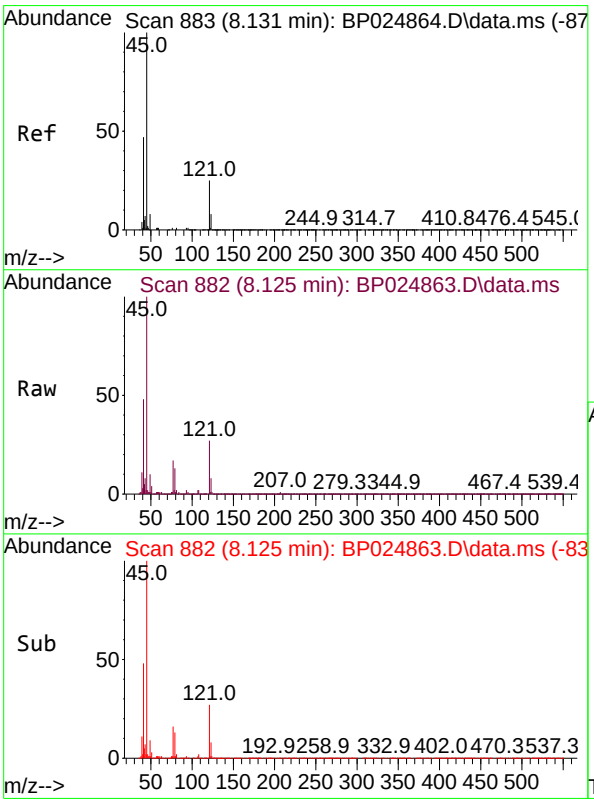
Ion	Ratio	Lower	Upper
79	100		
108	76.7	60.2	90.4
77	65.3	51.2	76.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

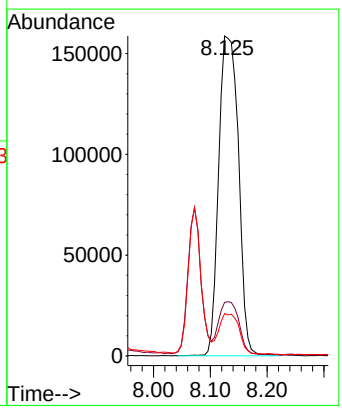
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

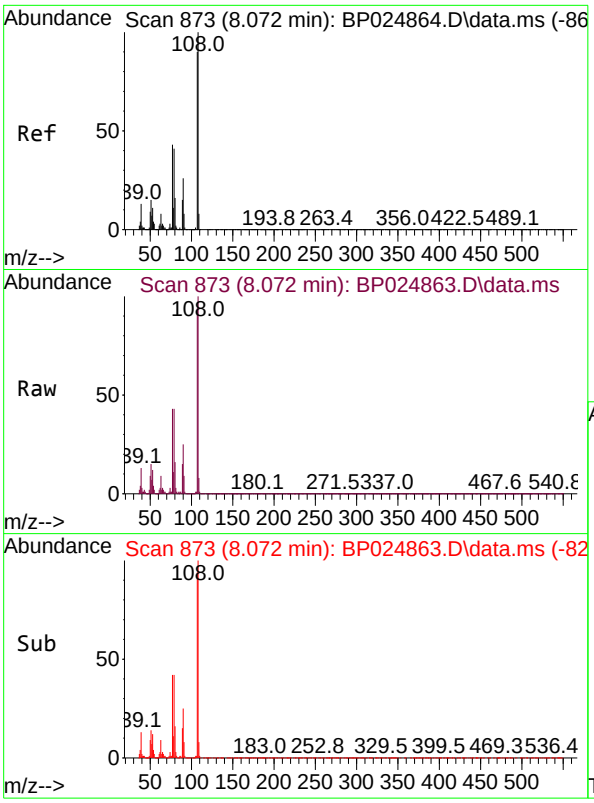


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.467 ng
RT: 8.125 min Scan# 882
Delta R.T. -0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion: 45 Resp: 383219

Ion	Ratio	Lower	Upper
45	100		
77	16.7	0.0	36.3
79	13.2	0.0	32.2

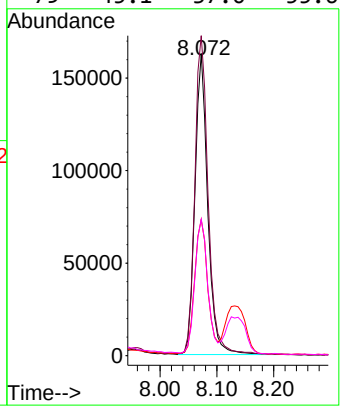




#17
2-Methylphenol
Concen: 19.940 ng
RT: 8.072 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:107 Resp: 25326

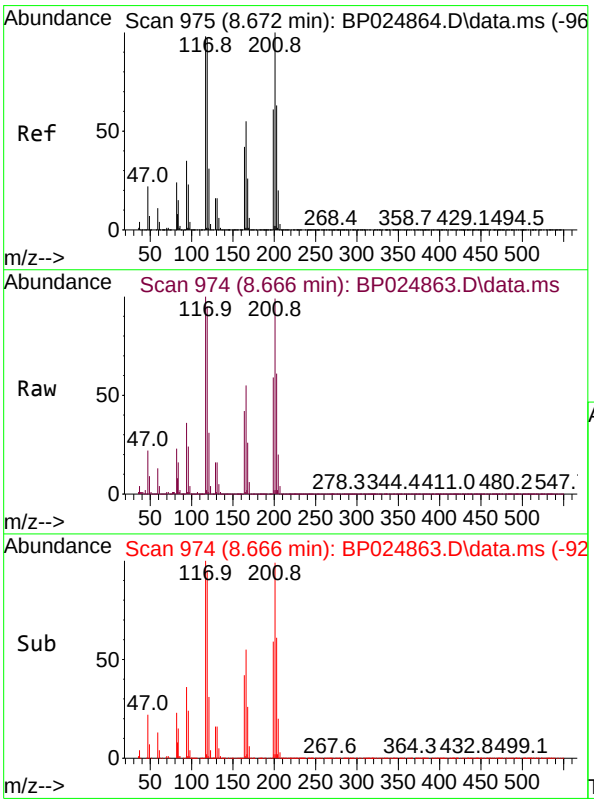
Ion	Ratio	Lower	Upper
107	100		
108	106.0	88.6	132.8
77	45.0	38.5	57.7
79	45.1	37.0	55.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

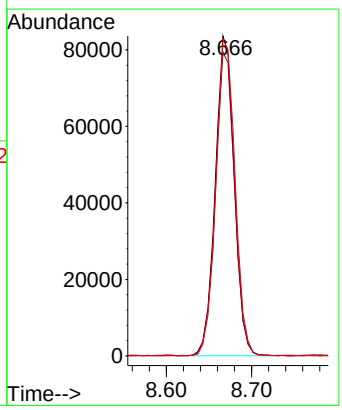
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

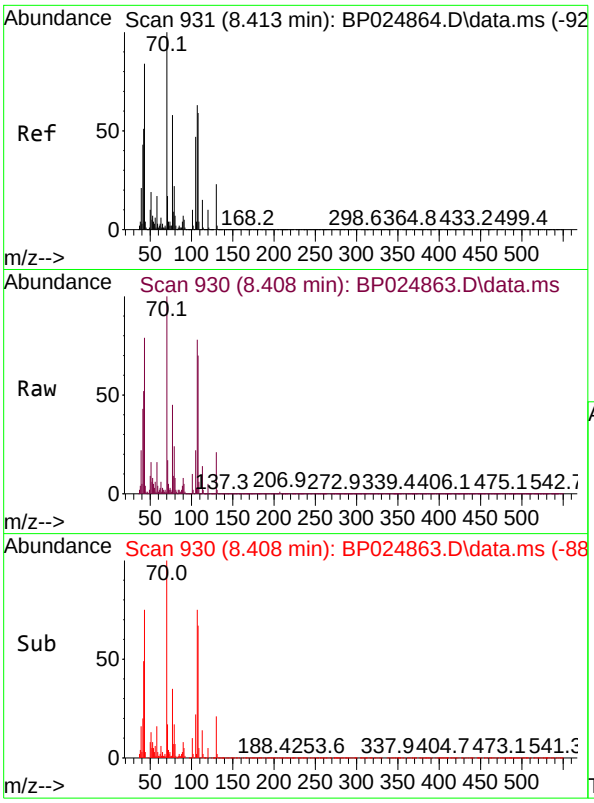


#18
Hexachloroethane
Concen: 20.180 ng
RT: 8.666 min Scan# 974
Delta R.T. -0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:117 Resp: 129276

Ion	Ratio	Lower	Upper
117	100		
119	94.9	79.4	119.2
201	98.9	81.4	122.2

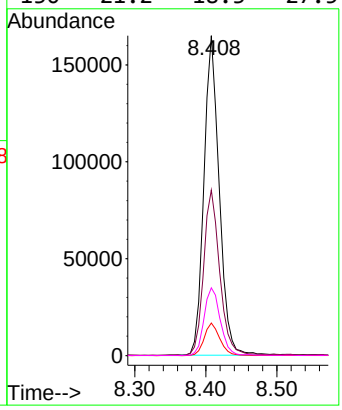




#19
n-Nitroso-di-n-propylamine
Concen: 20.537 ng
RT: 8.408 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion: 70 Resp: 24632

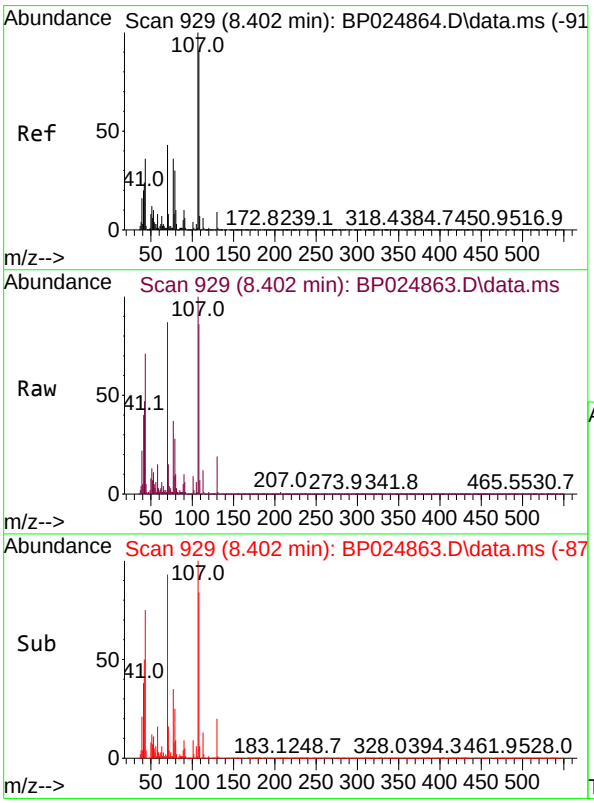
Ion	Ratio	Lower	Upper
70	100		
42	51.7	41.2	61.8
101	10.2	8.3	12.5
130	21.2	18.3	27.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

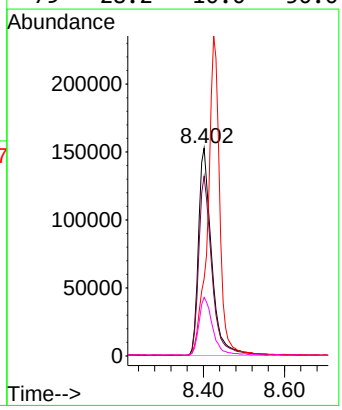
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

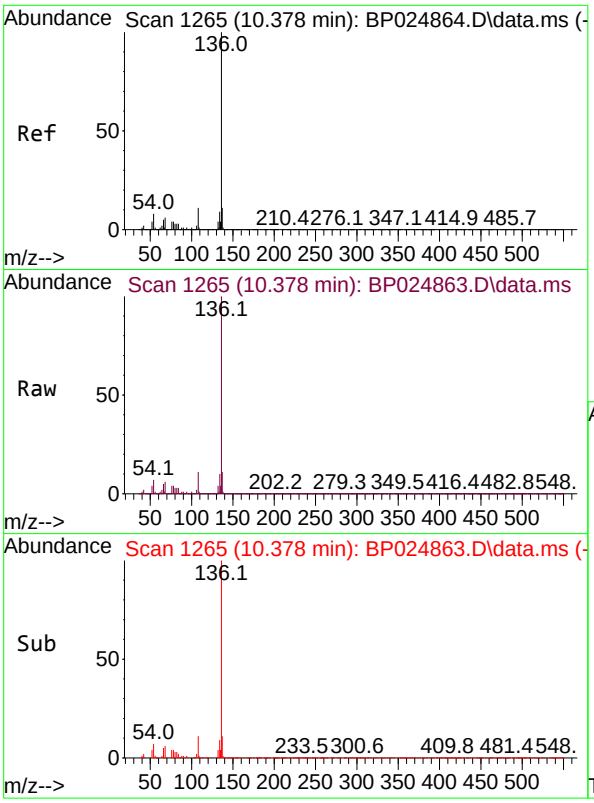


#20
3+4-Methylphenols
Concen: 19.881 ng
RT: 8.402 min Scan# 929
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:107 Resp: 344513

Ion	Ratio	Lower	Upper
107	100		
108	86.4	70.7	110.7
77	37.1	16.6	56.6
79	28.2	10.0	50.0

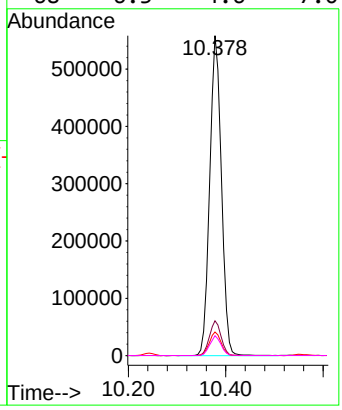




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:136 Resp: 93399

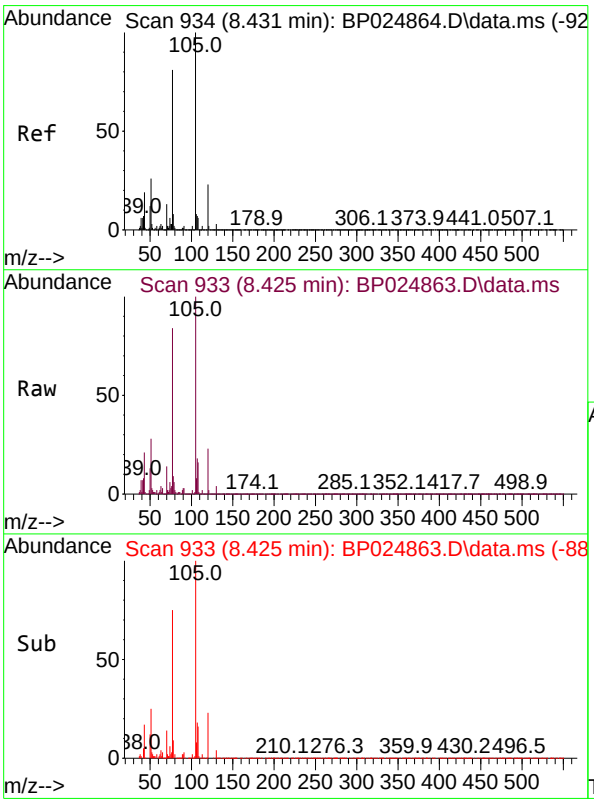
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.4	6.1	9.1
68	6.3	4.6	7.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

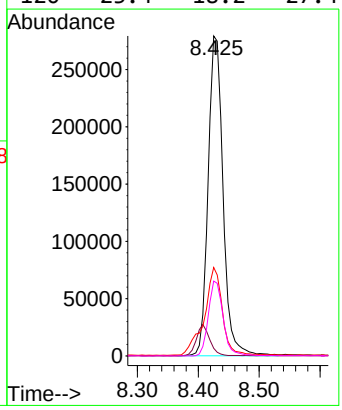
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

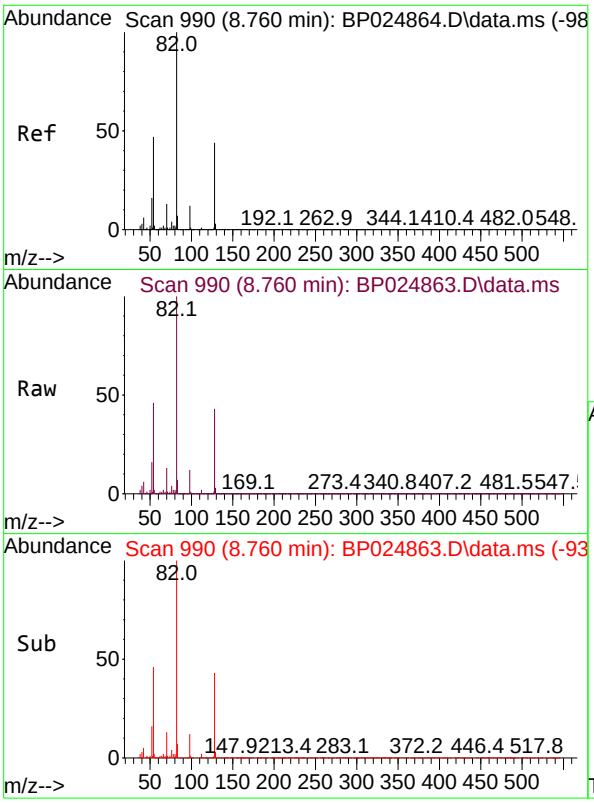


#22
Acetophenone
Concen: 20.211 ng
RT: 8.425 min Scan# 933
Delta R.T. -0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:105 Resp: 476927

Ion	Ratio	Lower	Upper
105	100		
71	2.4	1.6	2.4
51	27.6	20.6	31.0
120	23.4	18.2	27.4

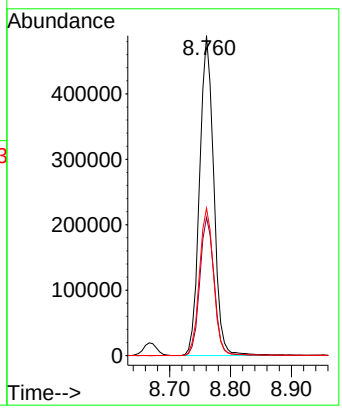




#23
Nitrobenzene-d5
Concen: 41.087 ng
RT: 8.760 min Scan# 99
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion: 82 Resp: 78972

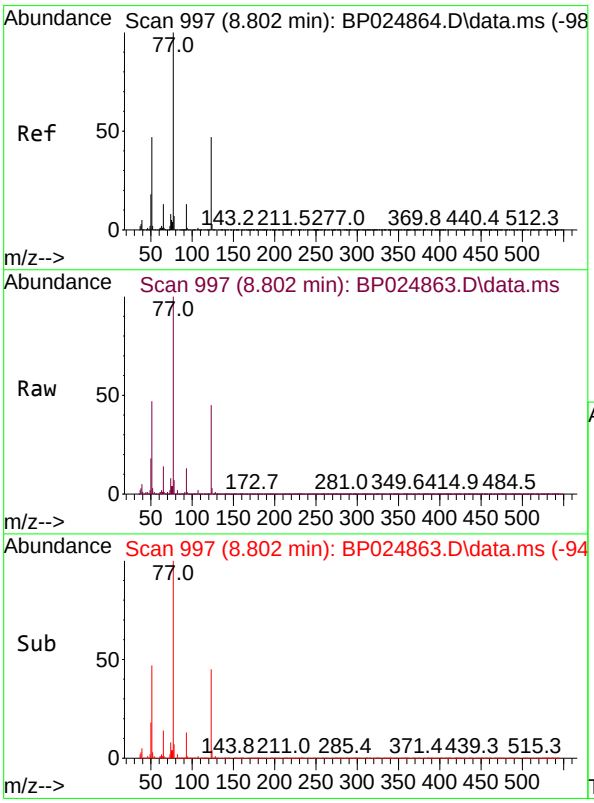
Ion	Ratio	Lower	Upper
82	100		
128	43.2	35.3	52.9
54	46.1	37.4	56.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

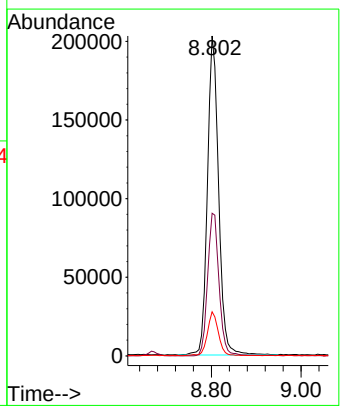
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

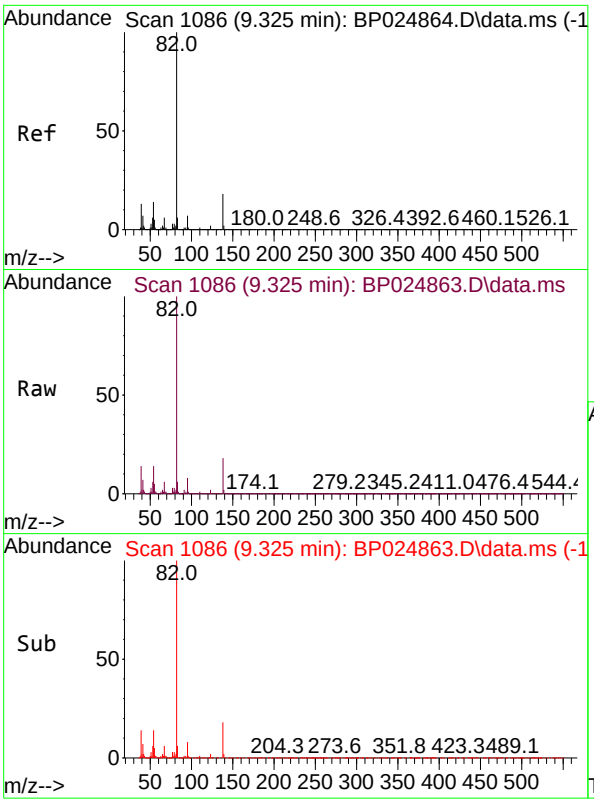


#24
Nitrobenzene
Concen: 20.521 ng
RT: 8.802 min Scan# 997
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion: 77 Resp: 350404

Ion	Ratio	Lower	Upper
77	100		
123	44.6	37.3	55.9
65	13.8	10.8	16.2





#25
Isophorone
Concen: 20.309 ng
RT: 9.325 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

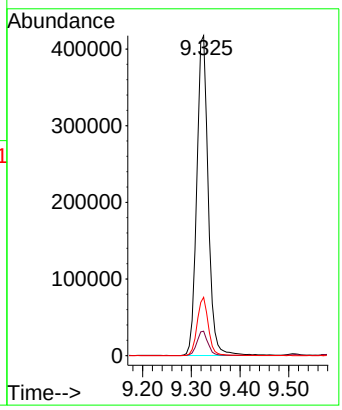
Tgt Ion: 82 Resp: 67652

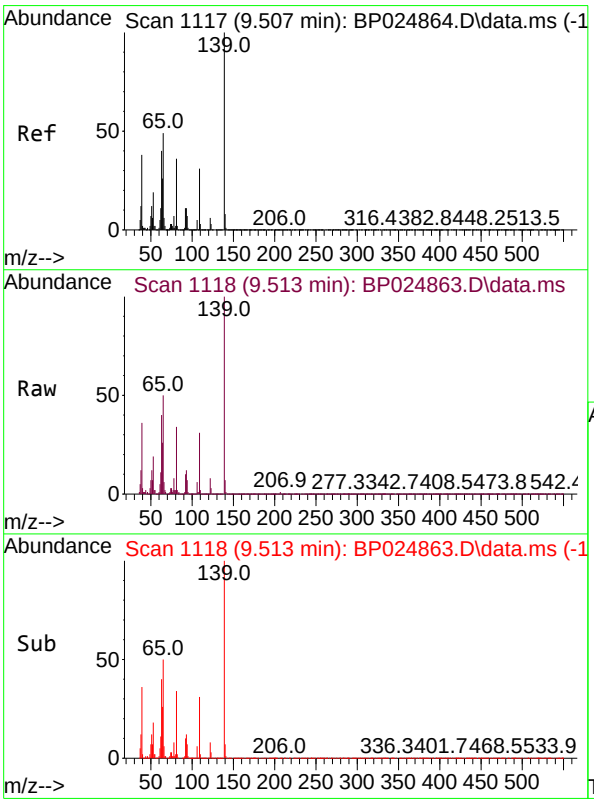
Ion	Ratio	Lower	Upper
82	100		
95	7.6	5.9	8.9
138	18.3	14.6	21.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

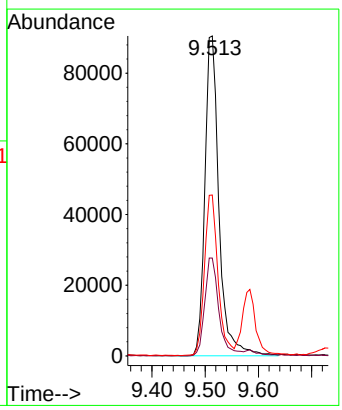


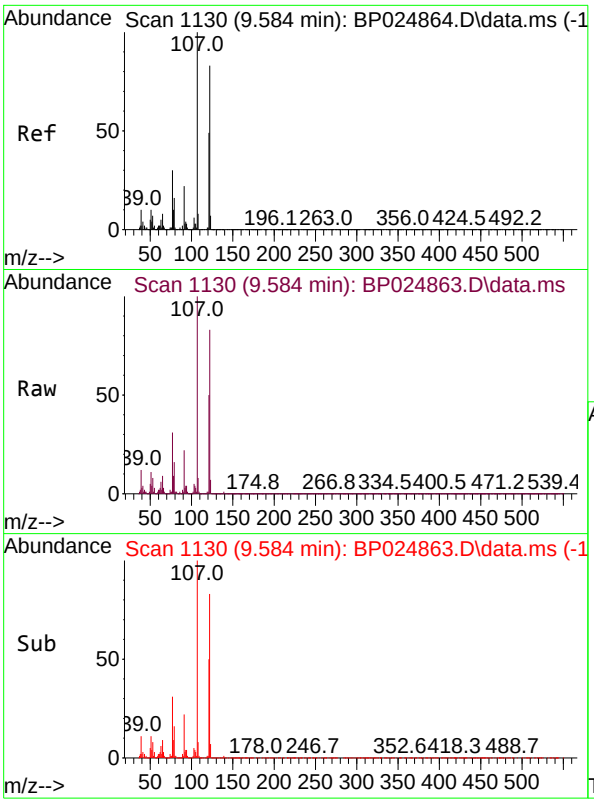


#26
2-Nitrophenol
Concen: 19.736 ng
RT: 9.513 min Scan# 1118
Delta R.T. 0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:139 Resp: 166277

Ion	Ratio	Lower	Upper
139	100		
109	30.6	24.6	37.0
65	50.3	39.5	59.3

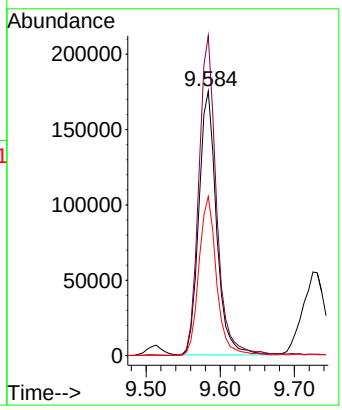




#27
2,4-Dimethylphenol
Concen: 20.094 ng
RT: 9.584 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:122 Resp: 28973

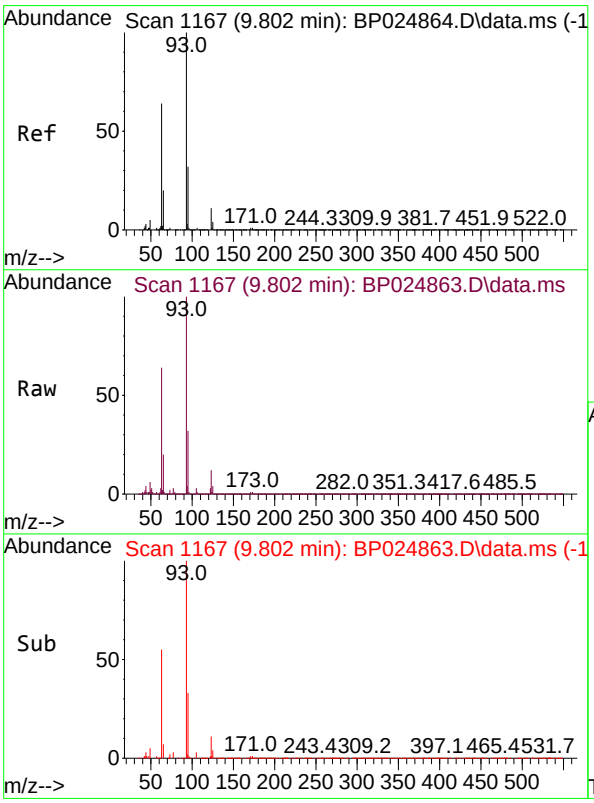
Ion	Ratio	Lower	Upper
122	100		
107	121.0	96.2	144.4
121	60.2	47.0	70.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

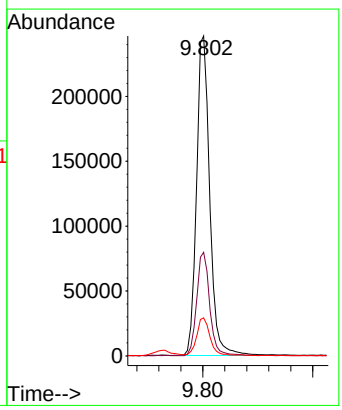
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

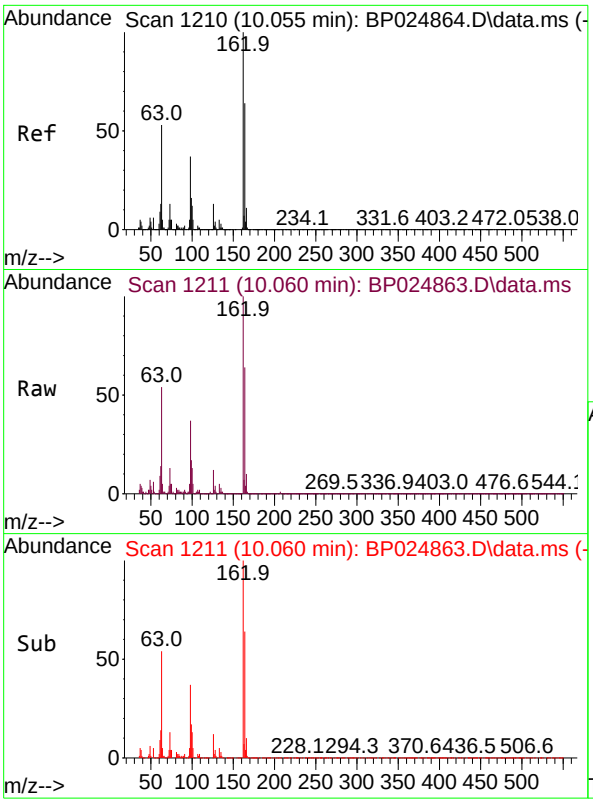


#28
bis(2-Chloroethoxy)methane
Concen: 20.603 ng
RT: 9.802 min Scan# 1167
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion: 93 Resp: 409390

Ion	Ratio	Lower	Upper
93	100		
95	32.4	25.5	38.3
123	11.9	9.2	13.8

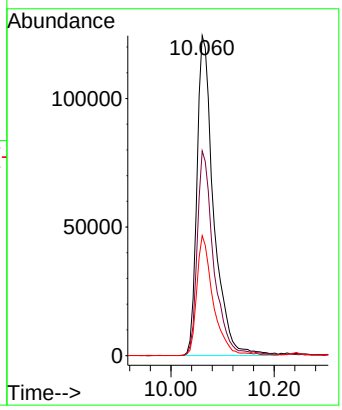




#29
2,4-Dichlorophenol
Concen: 20.242 ng
RT: 10.060 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:162 Resp: 28005

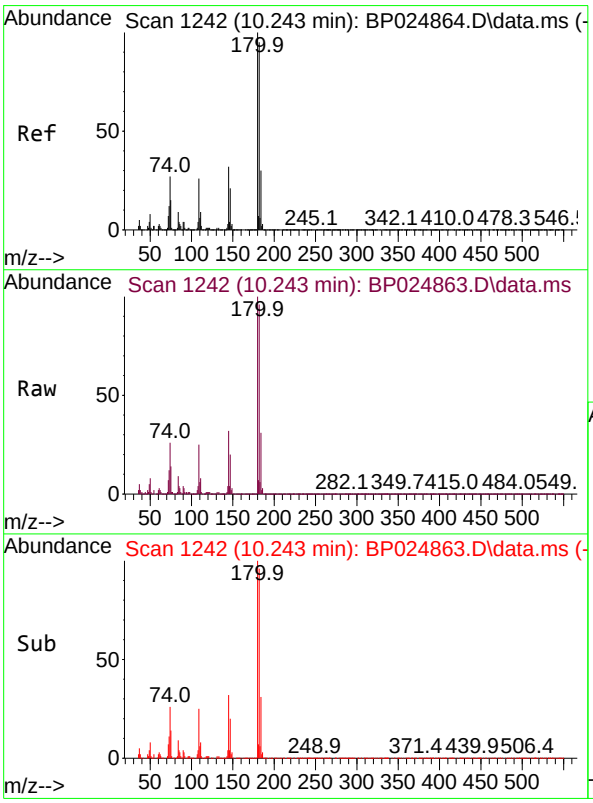
Ion	Ratio	Lower	Upper
162	100		
164	64.0	44.0	84.0
98	37.5	16.9	56.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

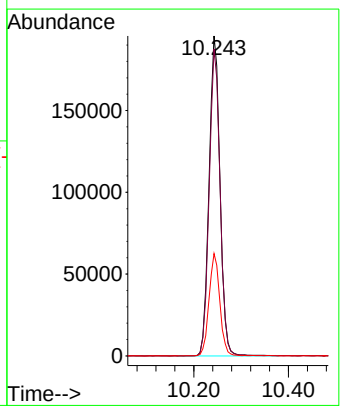
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

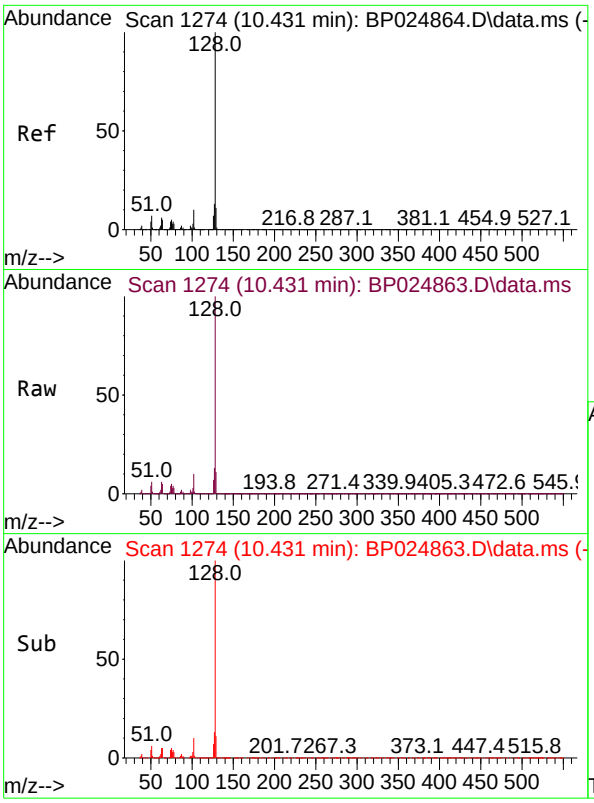


#30
1,2,4-Trichlorobenzene
Concen: 20.074 ng
RT: 10.243 min Scan# 1242
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:180 Resp: 313253

Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.8	113.6
145	32.0	25.7	38.5

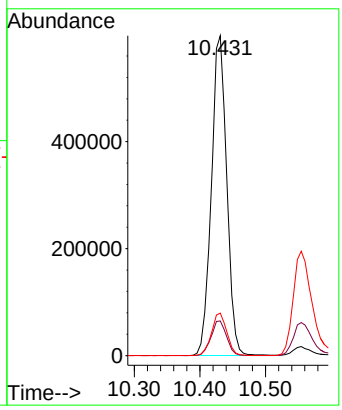




#31
Naphthalene
Concen: 20.381 ng
RT: 10.431 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:128 Resp: 97549

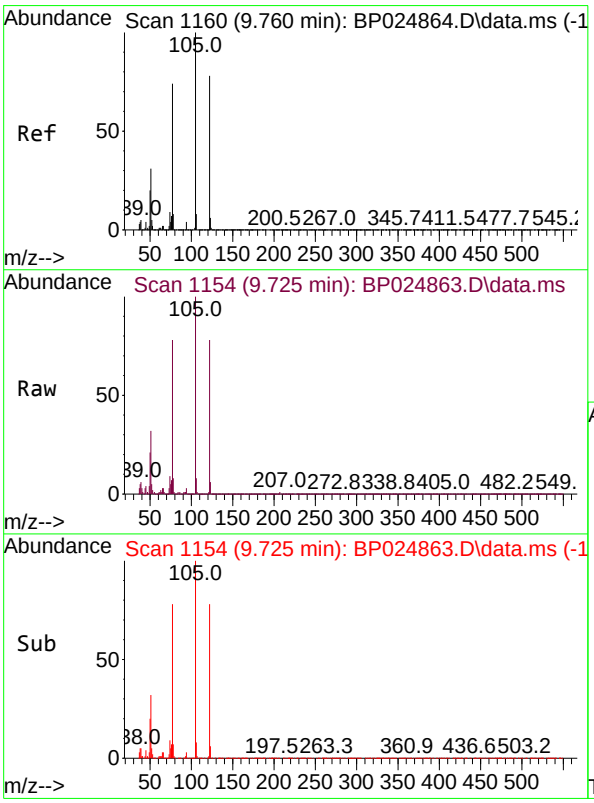
Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.7	13.1
127	13.3	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

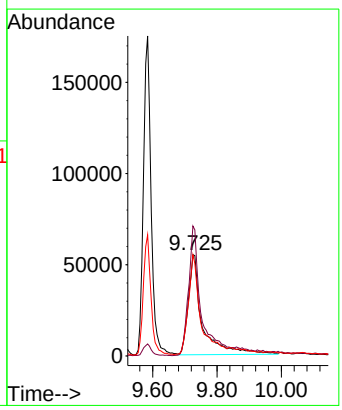
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

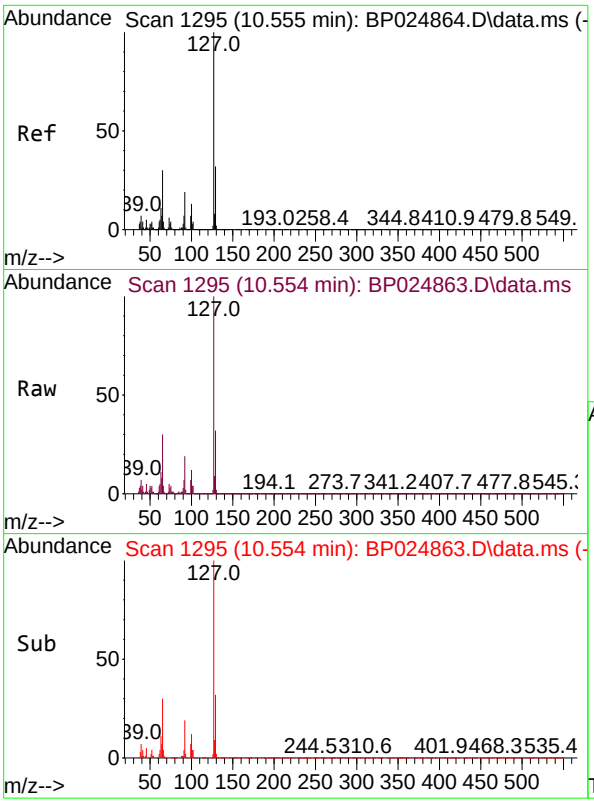


#32
Benzoic acid
Concen: 17.546 ng
RT: 9.725 min Scan# 1154
Delta R.T. -0.035 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:122 Resp: 168675

Ion	Ratio	Lower	Upper
122	100		
105	128.5	107.1	147.1
77	99.9	75.1	115.1

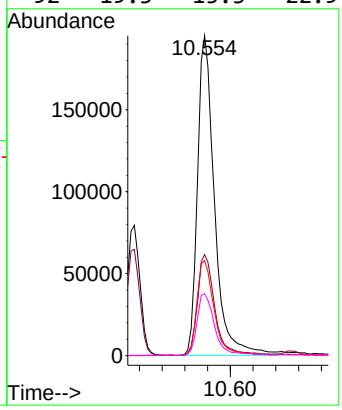




#33
4-Chloroaniline
Concen: 20.252 ng
RT: 10.554 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:127 Resp: 406109

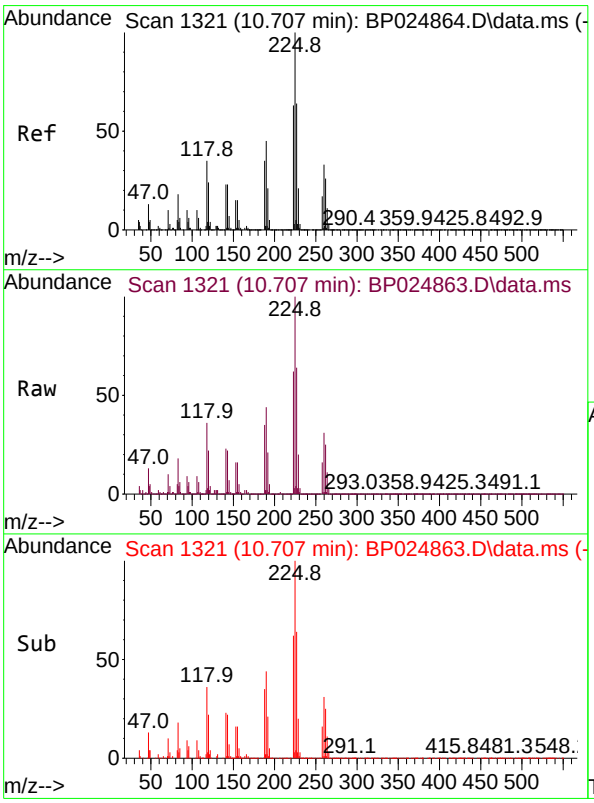
Ion	Ratio	Lower	Upper
127	100		
129	31.6	25.9	38.9
65	29.7	23.9	35.9
92	19.3	15.3	22.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

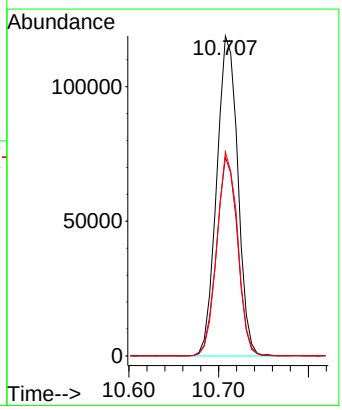
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

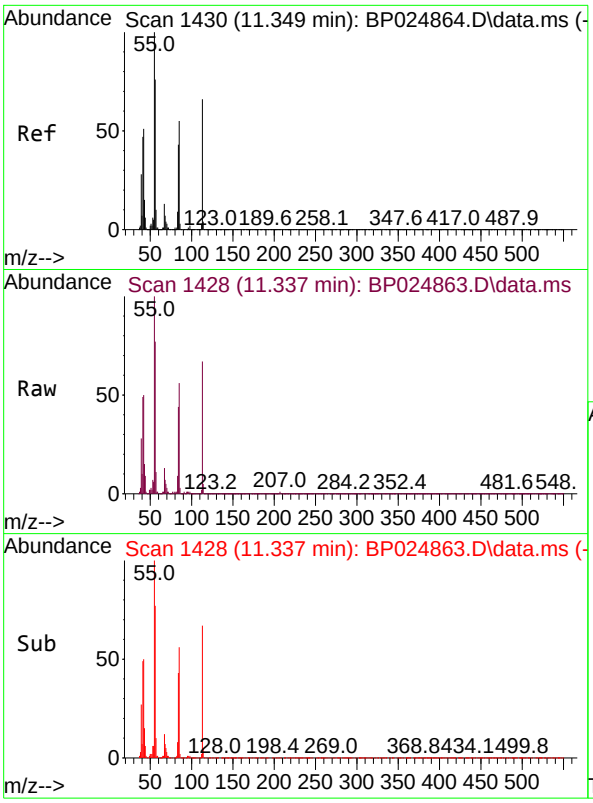


#34
Hexachlorobutadiene
Concen: 20.660 ng
RT: 10.707 min Scan# 1321
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:225 Resp: 194310

Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.5	75.7
227	63.8	51.4	77.2





#35
Caprolactam
Concen: 19.975 ng
RT: 11.337 min Scan# 14
Delta R.T. -0.012 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

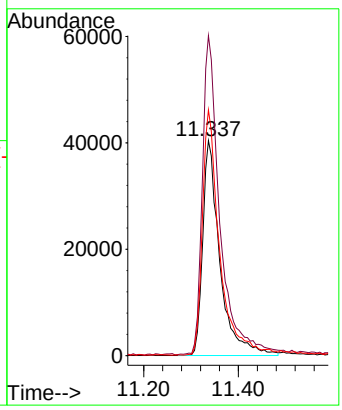
Instrument :
BNA_P
ClientSampleId :
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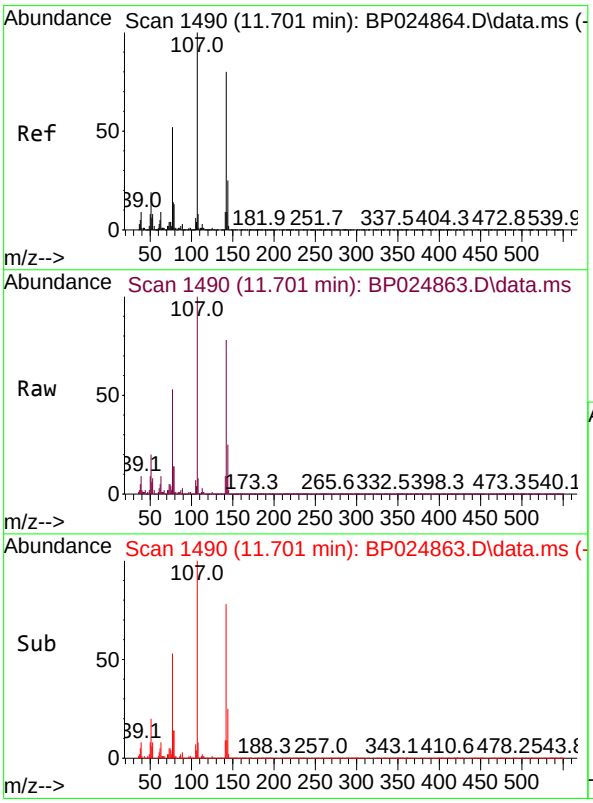
Tgt Ion:113 Resp: 10172

Ion	Ratio	Lower	Upper
113	100		
55	148.8	132.5	172.5
56	114.3	96.0	136.0

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Supervised By :Jagrut Upadhyay 06/09/2025

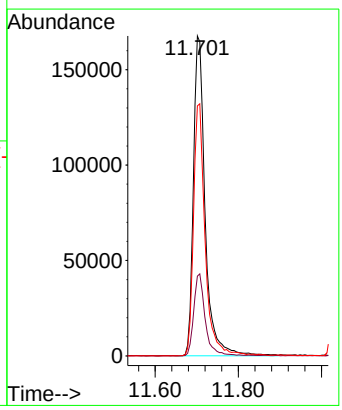


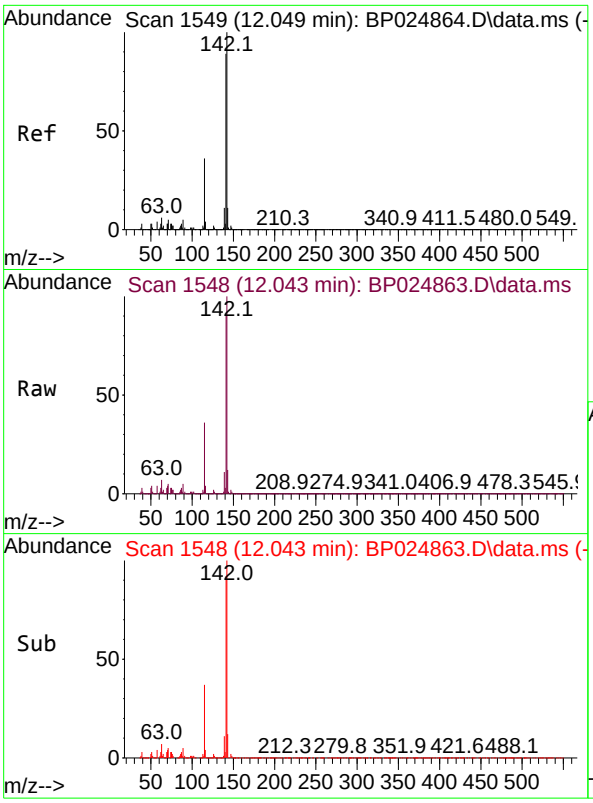


#36
4-Chloro-3-methylphenol
Concen: 20.569 ng
RT: 11.701 min Scan# 1490
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:107 Resp: 328233

Ion	Ratio	Lower	Upper
107	100		
144	24.9	20.4	30.6
142	78.1	63.8	95.6

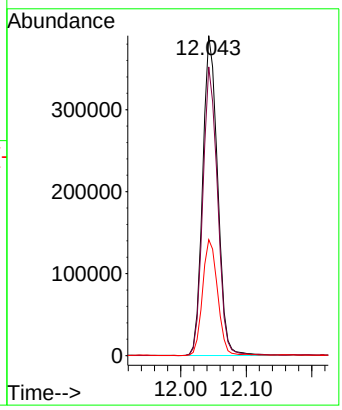




#37
2-Methylnaphthalene
Concen: 20.267 ng
RT: 12.043 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:142 Resp: 61533

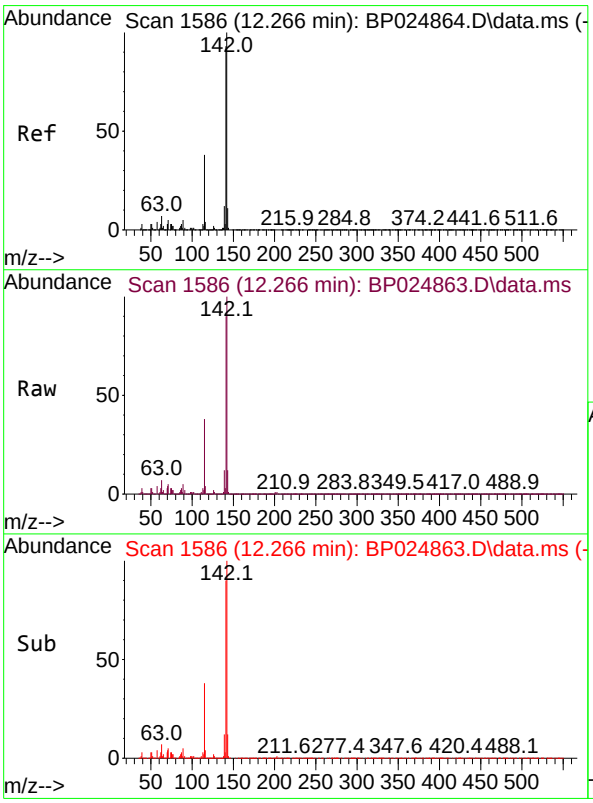
Ion	Ratio	Lower	Upper
142	100		
141	90.2	71.2	106.8
115	36.2	28.5	42.7



Instrument :
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ClientSampleId :
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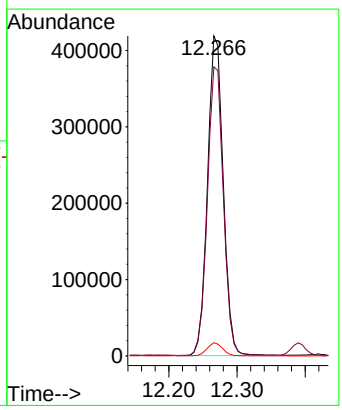
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

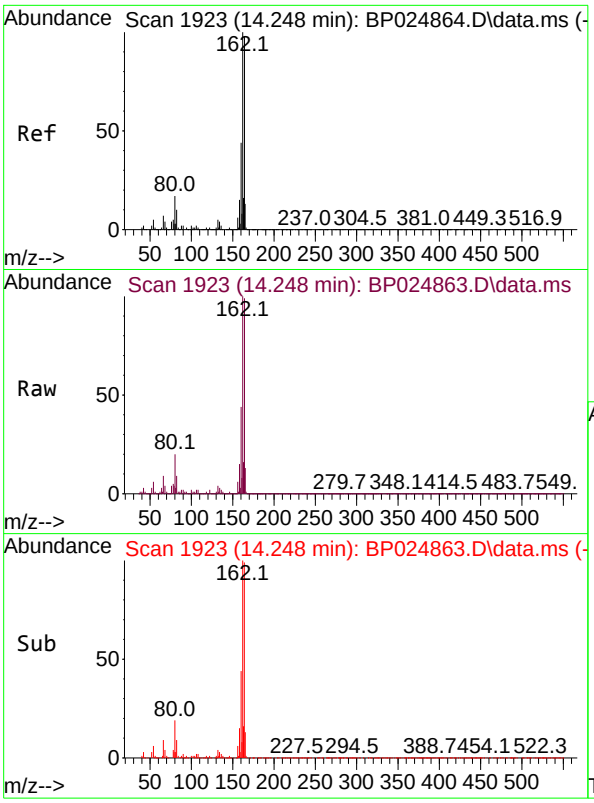


#38
1-Methylnaphthalene
Concen: 20.648 ng
RT: 12.266 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:142 Resp: 670212

Ion	Ratio	Lower	Upper
142	100		
141	90.3	74.7	112.1
116	4.2	3.4	5.0

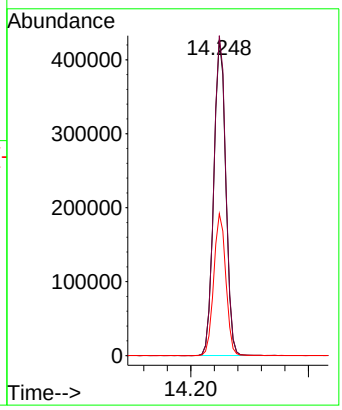




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.248 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:164 Resp: 604798

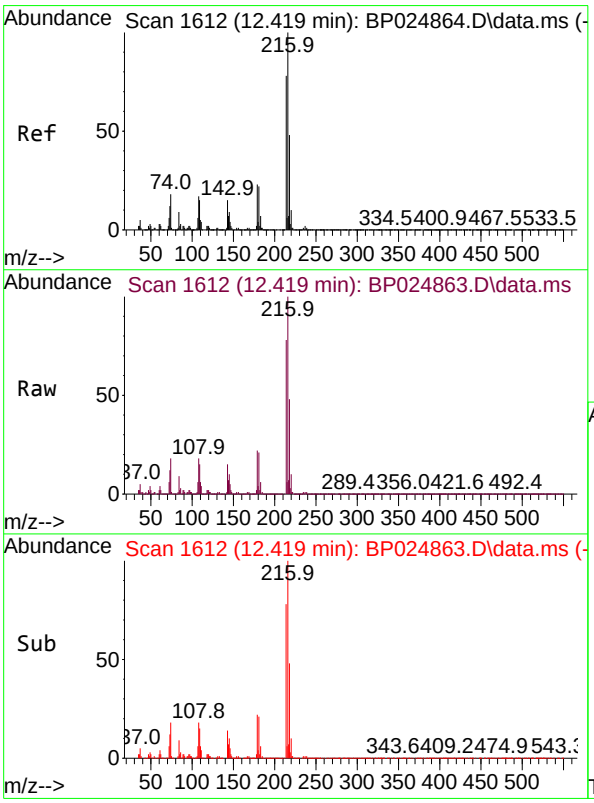
Ion	Ratio	Lower	Upper
164	100		
162	101.3	81.6	122.4
160	44.9	36.2	54.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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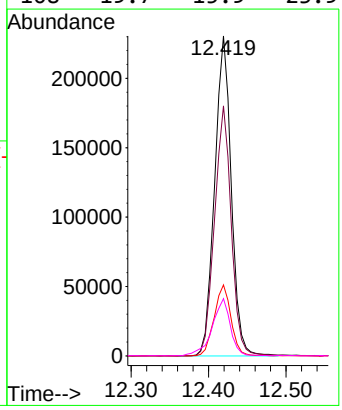
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

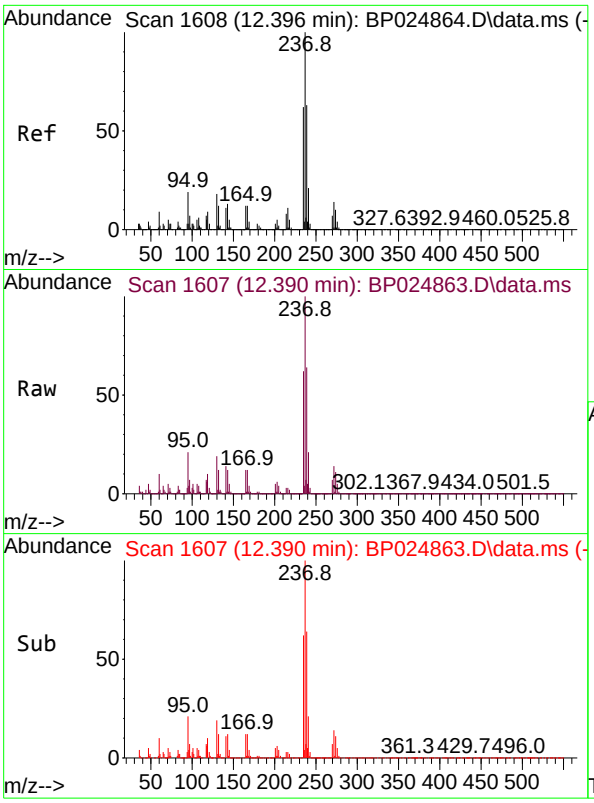


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.018 ng
RT: 12.419 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:216 Resp: 343533

Ion	Ratio	Lower	Upper
216	100		
214	78.8	63.0	94.4
179	22.5	17.8	26.6
108	19.7	15.9	23.9





#41
Hexachlorocyclopentadiene
Concen: 18.191 ng
RT: 12.390 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

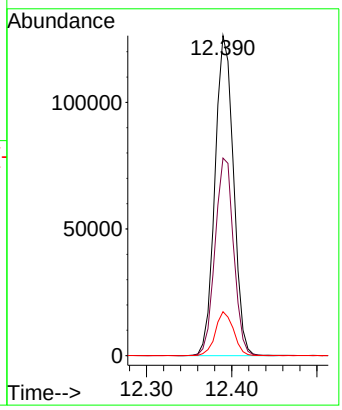
Tgt Ion:237 Resp: 19040

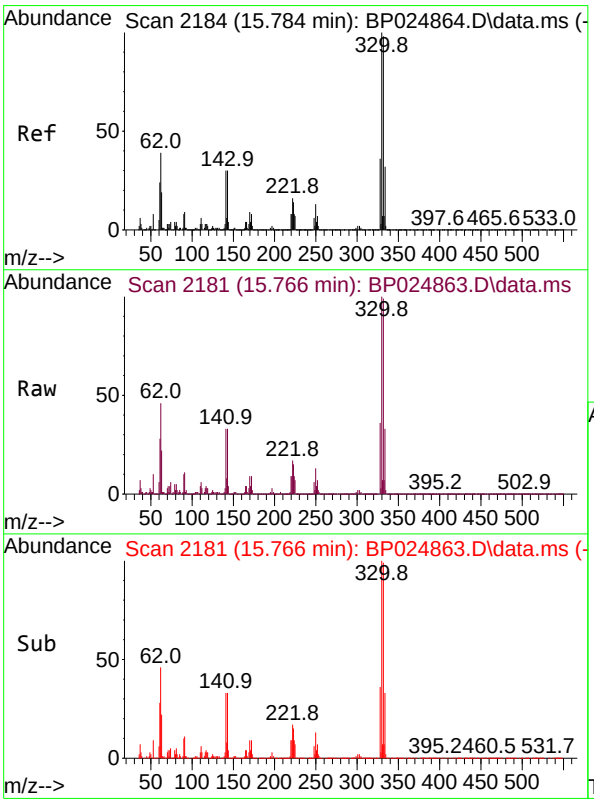
Ion	Ratio	Lower	Upper
237	100		
235	61.7	41.9	81.9
272	13.7	0.0	33.7

Instrument :
BNA_P
ClientSampleId :
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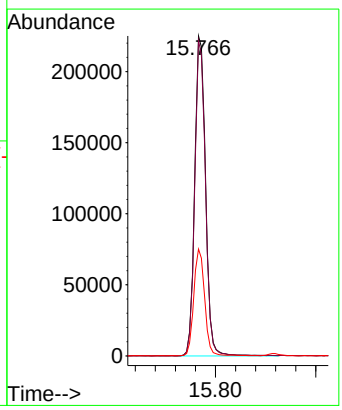


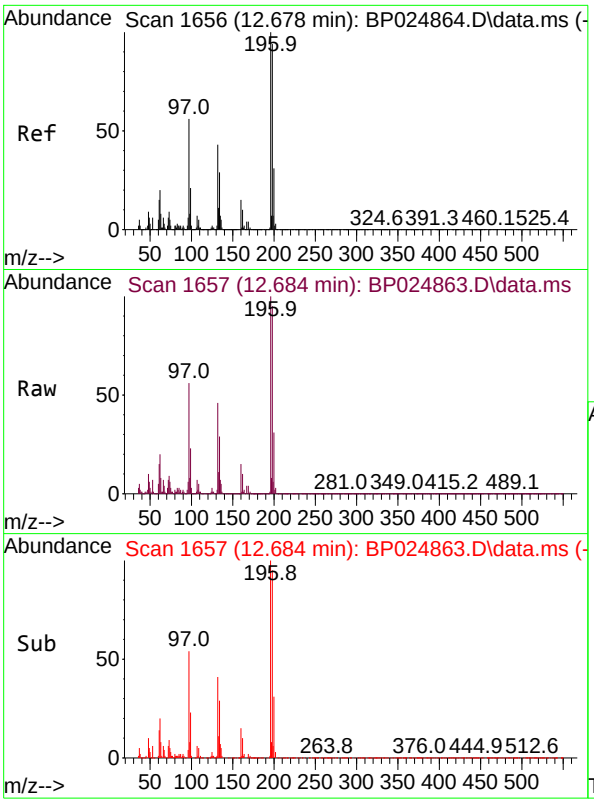


#42
2,4,6-Tribromophenol
Concen: 40.373 ng
RT: 15.766 min Scan# 2181
Delta R.T. -0.018 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:330 Resp: 337588

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.7	116.5
141	33.2	26.4	39.6

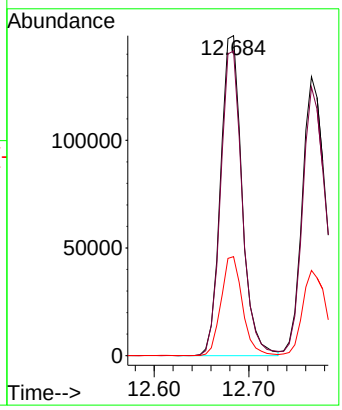




#43
2,4,6-Trichlorophenol
Concen: 20.265 ng
RT: 12.684 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:196 Resp: 23355

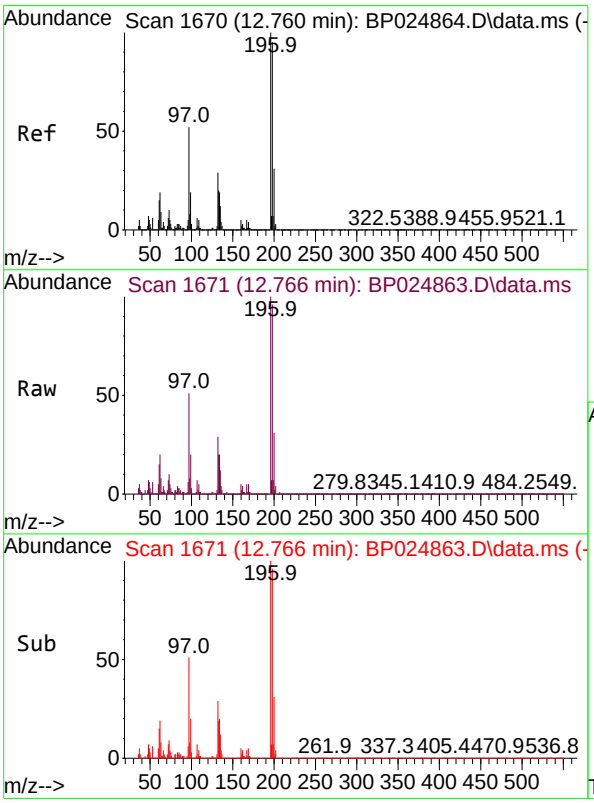
Ion	Ratio	Lower	Upper
196	100		
198	95.2	75.4	113.0
200	30.9	24.4	36.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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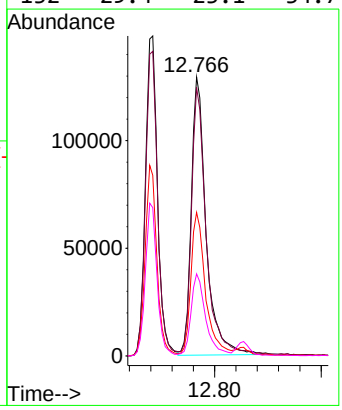
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

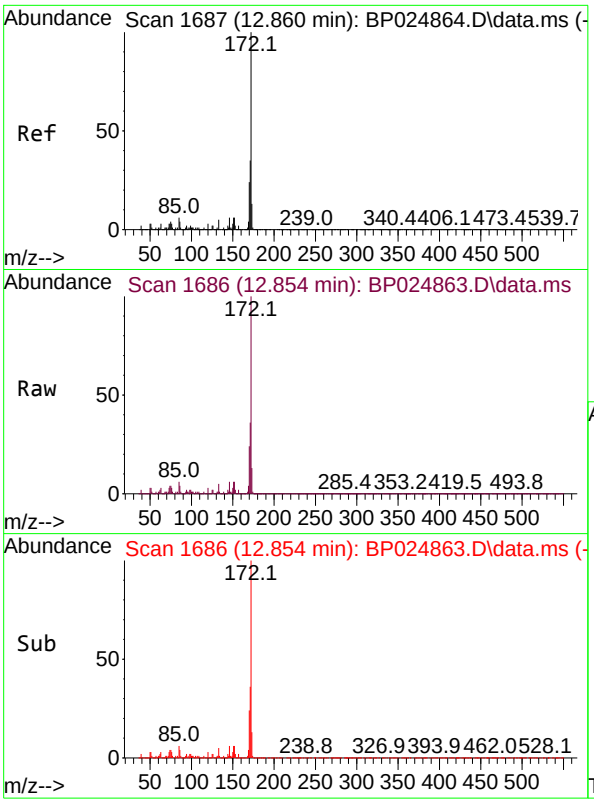


#44
2,4,5-Trichlorophenol
Concen: 20.279 ng
RT: 12.766 min Scan# 1671
Delta R.T. 0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:196 Resp: 250294

Ion	Ratio	Lower	Upper
196	100		
198	96.3	76.0	114.0
97	51.5	41.5	62.3
132	29.4	23.1	34.7

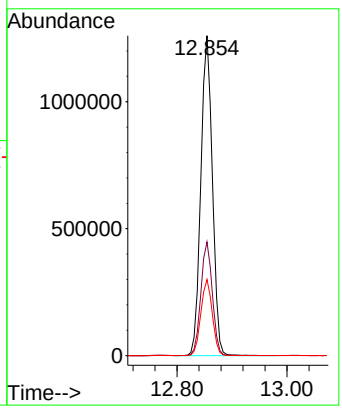




#45
2-Fluorobiphenyl
Concen: 40.864 ng
RT: 12.854 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:172 Resp: 183462

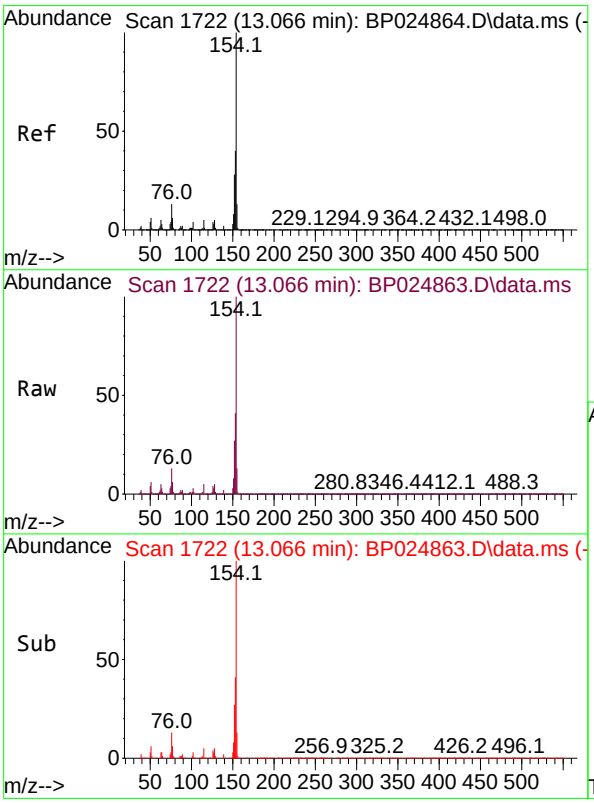
Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.3	42.5
170	23.8	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

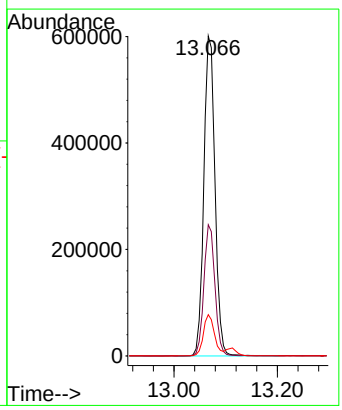
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

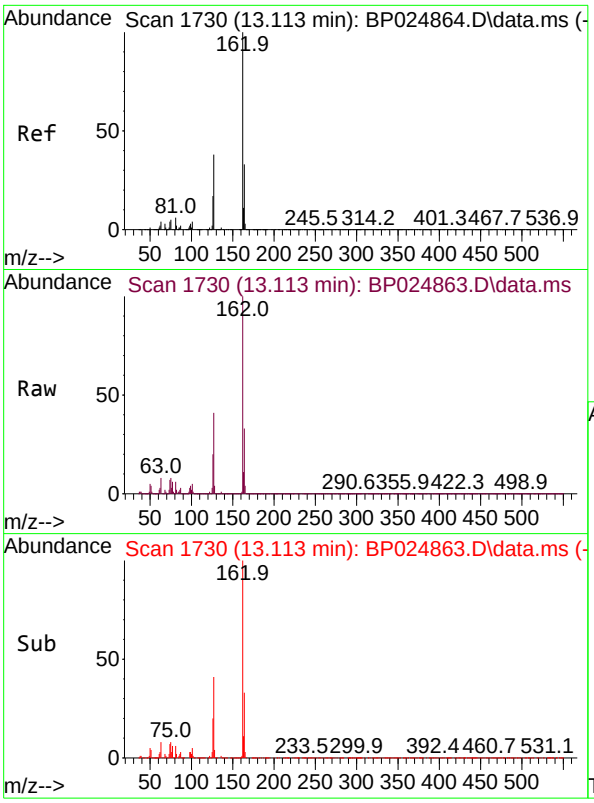


#46
1,1'-Biphenyl
Concen: 20.433 ng
RT: 13.066 min Scan# 1722
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:154 Resp: 898074

Ion	Ratio	Lower	Upper
154	100		
153	41.0	20.3	60.3
76	12.9	0.0	33.0

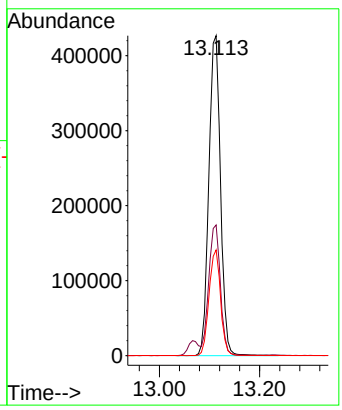




#47
2-Chloronaphthalene
Concen: 20.324 ng
RT: 13.113 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:162 Resp: 68655

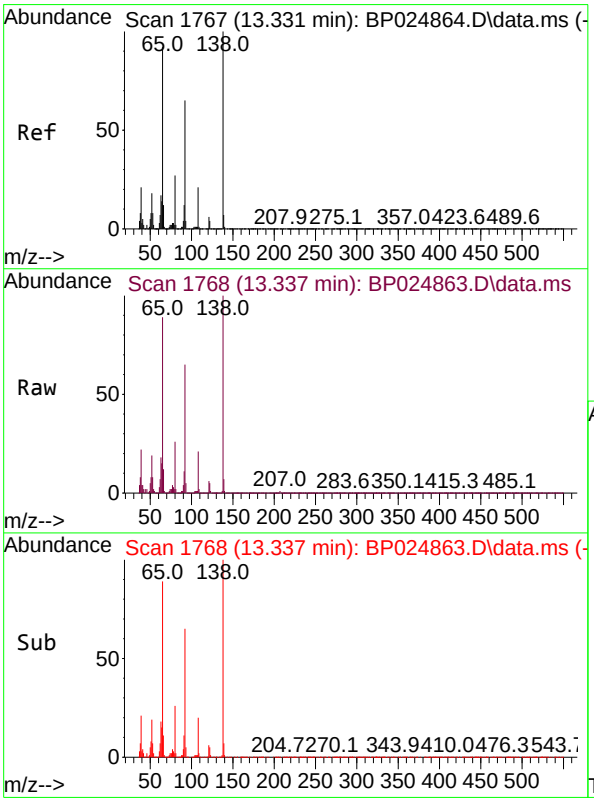
Ion	Ratio	Lower	Upper
162	100		
127	40.8	32.5	48.7
164	33.0	26.2	39.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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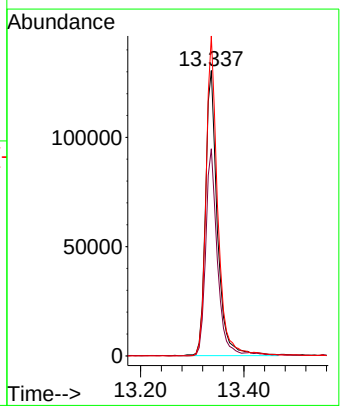
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

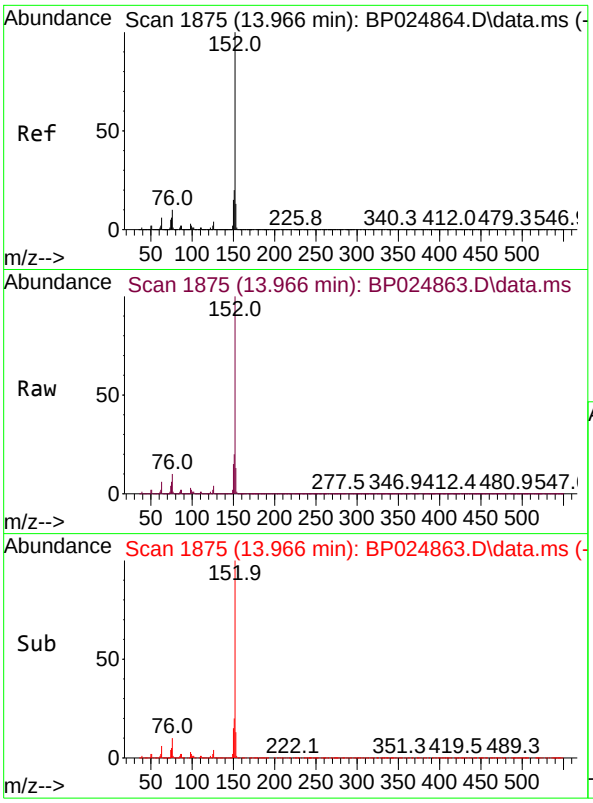


#48
2-Nitroaniline
Concen: 20.059 ng
RT: 13.337 min Scan# 1768
Delta R.T. 0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion: 65 Resp: 208318

Ion	Ratio	Lower	Upper
65	100		
92	72.6	56.8	85.2
138	112.2	86.9	130.3

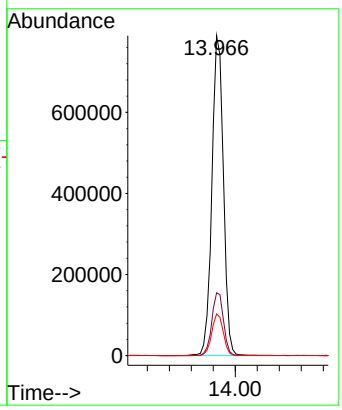




#49
Acenaphthylene
Concen: 20.311 ng
RT: 13.966 min Scan# 18
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:152 Resp: 114401

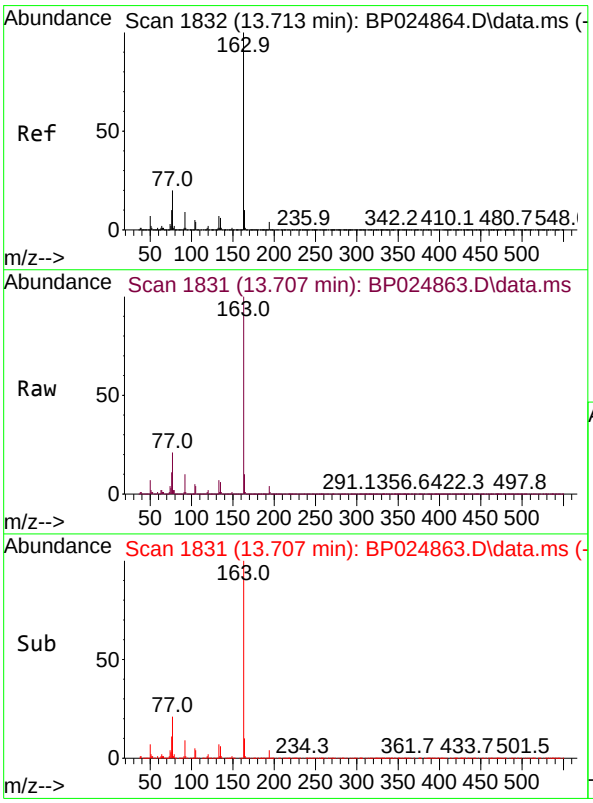
Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.2	24.2
153	13.0	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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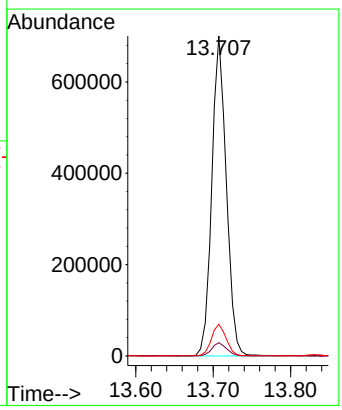
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

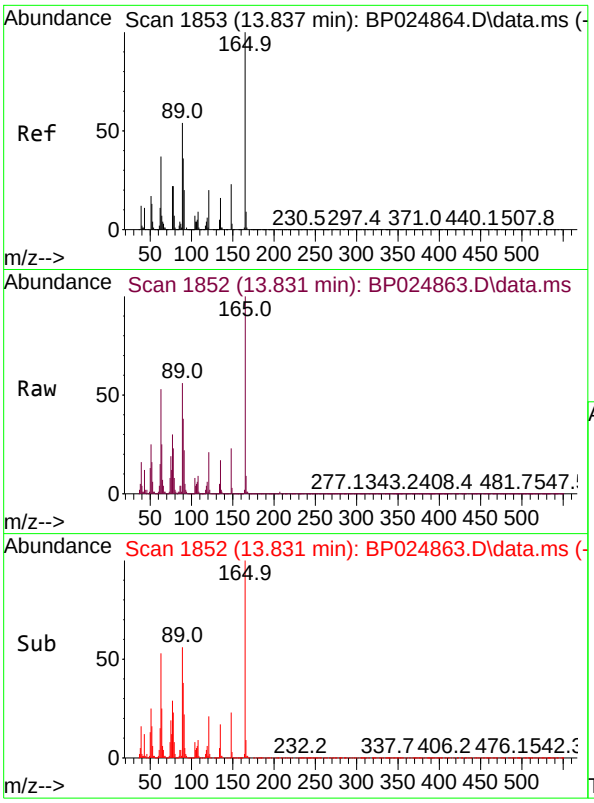


#50
Dimethylphthalate
Concen: 20.354 ng
RT: 13.707 min Scan# 1831
Delta R.T. -0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:163 Resp: 908091

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	9.9	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 20.490 ng
RT: 13.831 min Scan# 18
Delta R.T. -0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

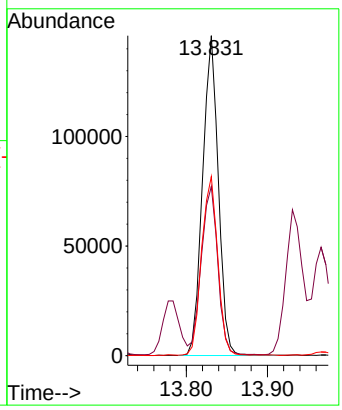
Tgt Ion:165 Resp: 19707

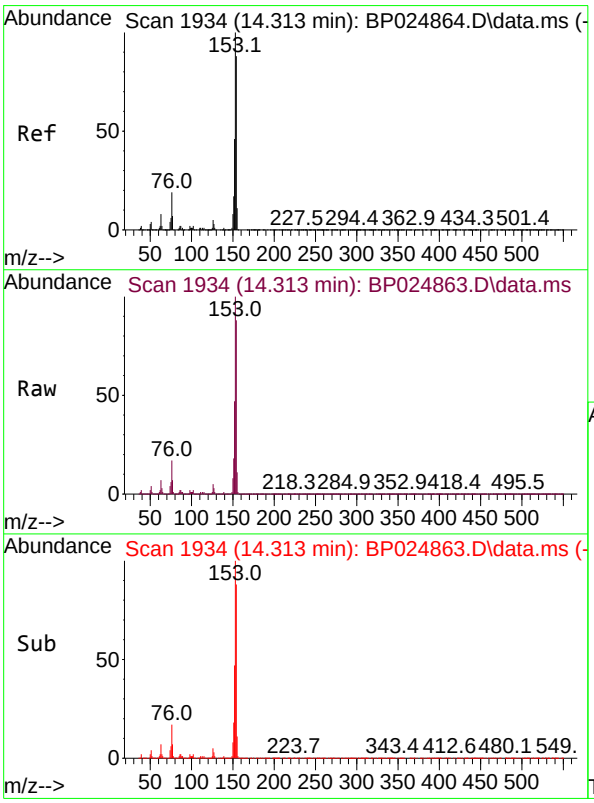
Ion	Ratio	Lower	Upper
165	100		
63	52.9	41.8	62.8
89	55.9	43.1	64.7

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
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Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

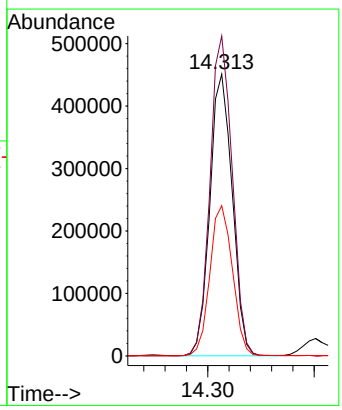


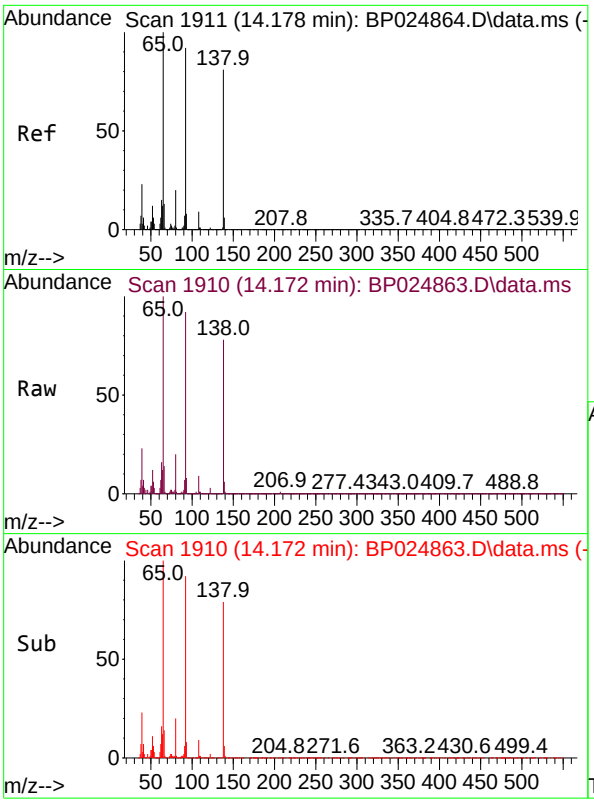


#52
Acenaphthene
Concen: 20.416 ng
RT: 14.313 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:154 Resp: 658935

Ion	Ratio	Lower	Upper
154	100		
153	113.6	90.5	135.7
152	53.3	42.1	63.1





#53
3-Nitroaniline
Concen: 20.442 ng
RT: 14.172 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

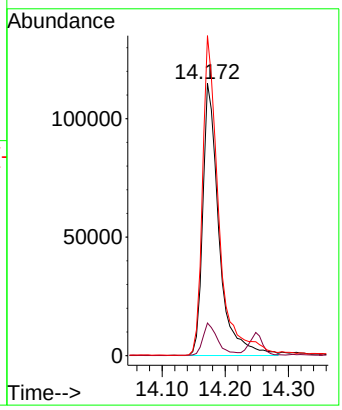
Tgt Ion:138 Resp: 20403

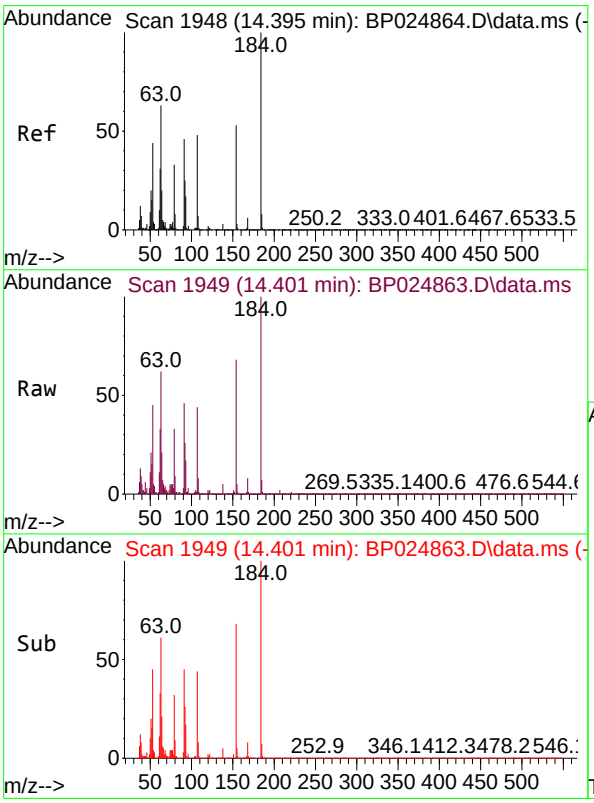
Ion	Ratio	Lower	Upper
138	100		
108	12.0	8.6	12.8
92	117.5	91.3	136.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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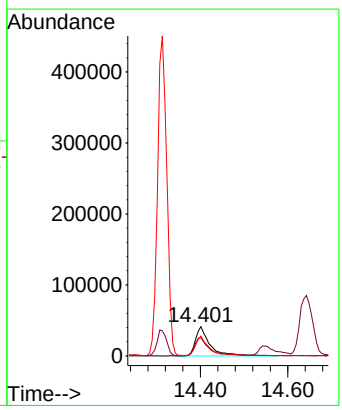


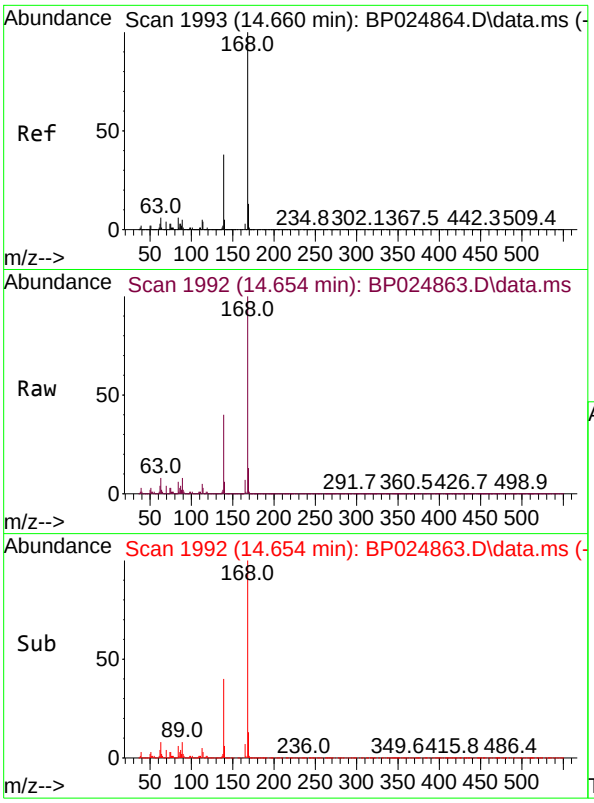


#54
2,4-Dinitrophenol
Concen: 19.461 ng
RT: 14.401 min Scan# 1949
Delta R.T. 0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:184 Resp: 93544

Ion	Ratio	Lower	Upper
184	100		
63	61.8	51.0	76.4
154	67.7	51.7	77.5





#55
Dibenzofuran
Concen: 20.497 ng
RT: 14.654 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

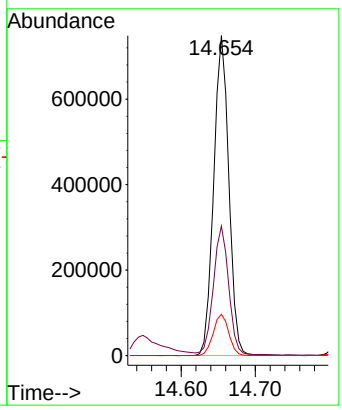
Tgt Ion:168 Resp: 106191

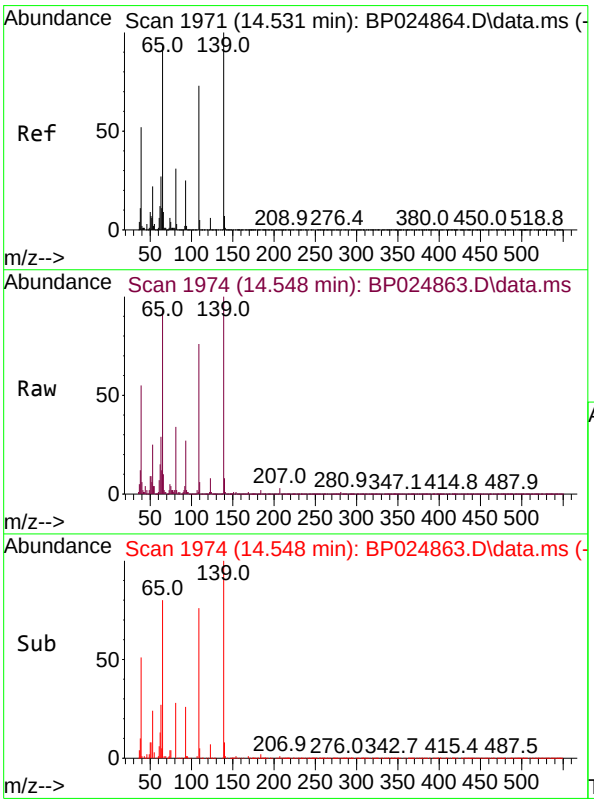
Ion	Ratio	Lower	Upper
168	100		
139	40.5	31.6	47.4
169	12.9	10.6	15.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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Reviewed By :Rahul Chavli 06/09/2025
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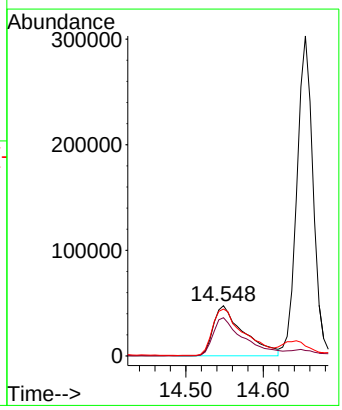


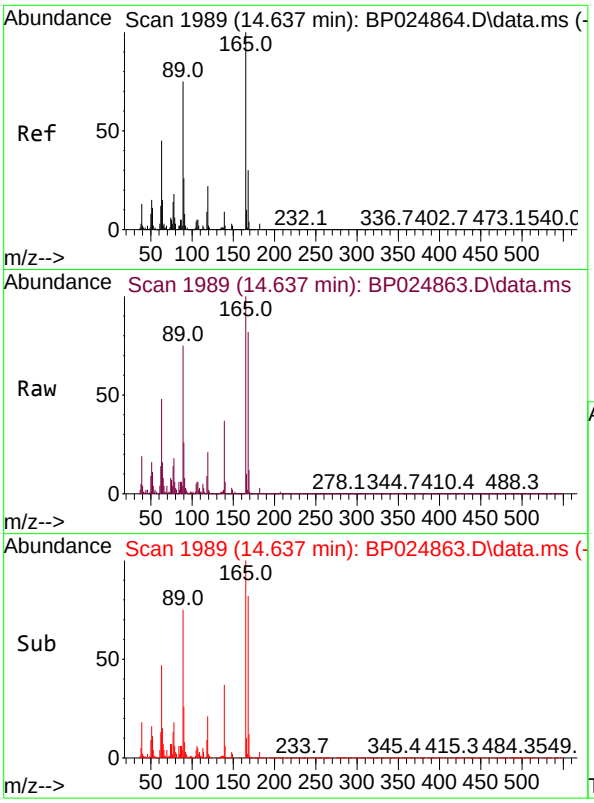


#56
4-Nitrophenol
Concen: 19.619 ng
RT: 14.548 min Scan# 1974
Delta R.T. 0.017 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:139 Resp: 128784

Ion	Ratio	Lower	Upper
139	100		
109	76.0	53.1	93.1
65	93.4	73.0	113.0

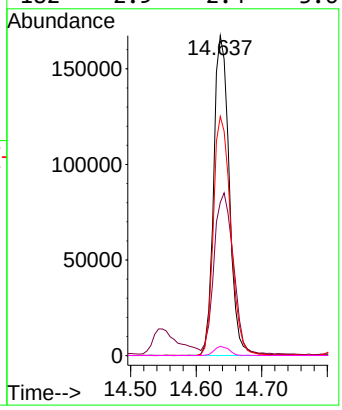




#57
2,4-Dinitrotoluene
Concen: 20.547 ng
RT: 14.637 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:165 Resp: 27644

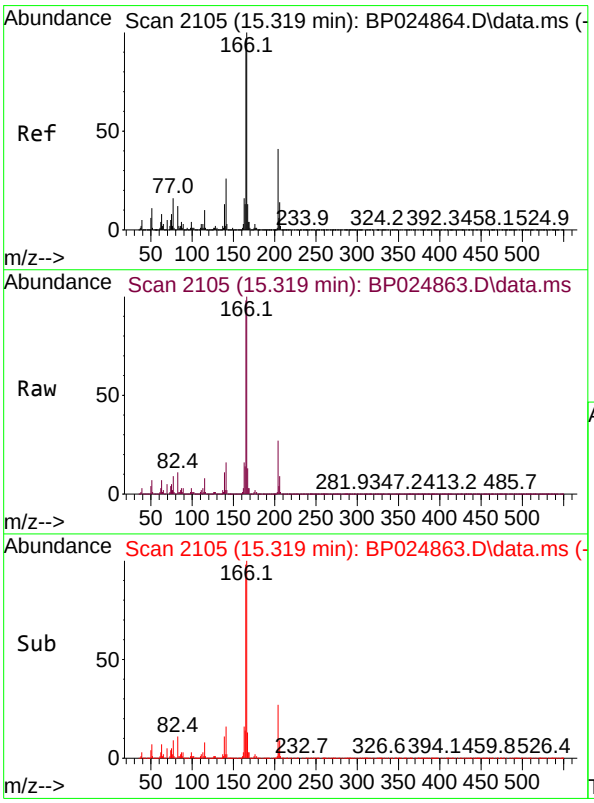
Ion	Ratio	Lower	Upper
165	100		
63	47.9	37.0	55.6
89	74.7	60.1	90.1
182	2.9	2.4	3.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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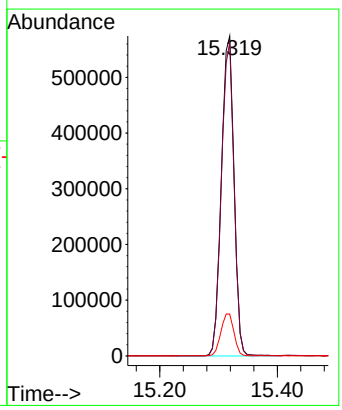
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

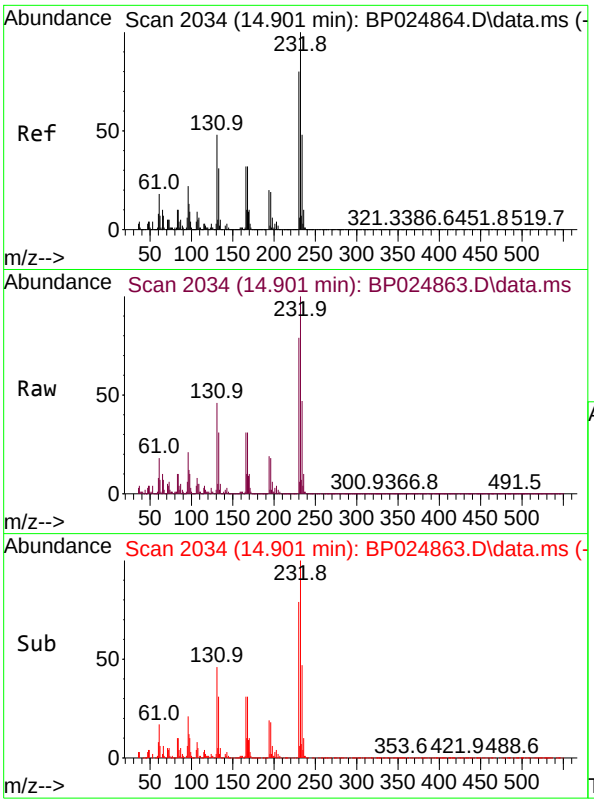


#58
Fluorene
Concen: 20.517 ng
RT: 15.319 min Scan# 2105
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:166 Resp: 858671

Ion	Ratio	Lower	Upper
166	100		
165	98.0	77.7	116.5
167	13.1	10.6	16.0

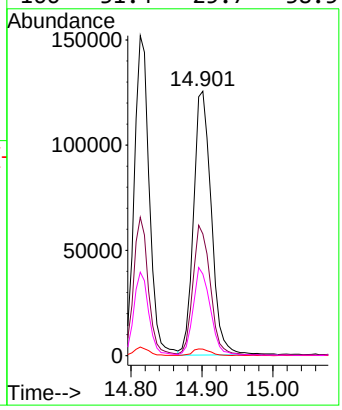




#59
2,3,4,6-Tetrachlorophenol
Concen: 19.689 ng
RT: 14.901 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:232 Resp: 21751

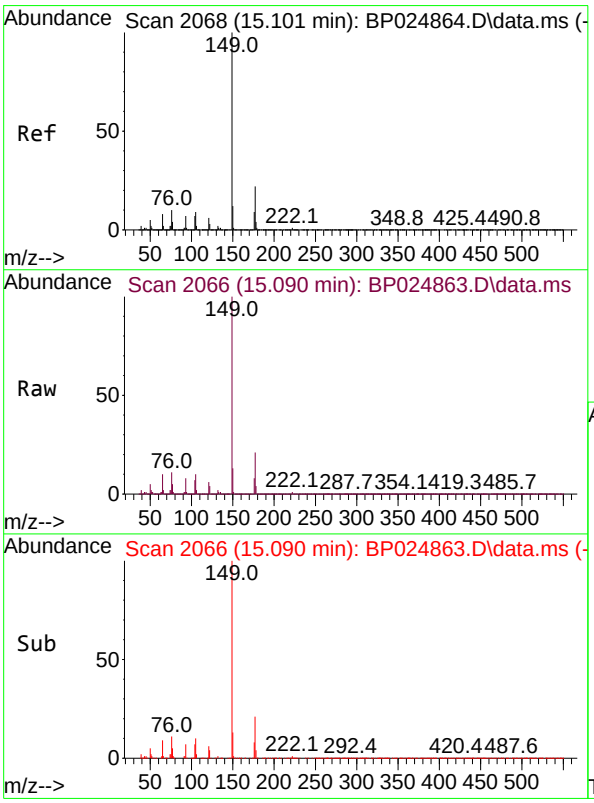
Ion	Ratio	Lower	Upper
232	100		
131	47.8	38.2	57.2
130	2.5	2.1	3.1
166	31.4	25.7	38.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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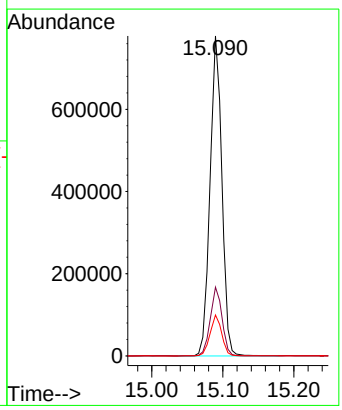
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

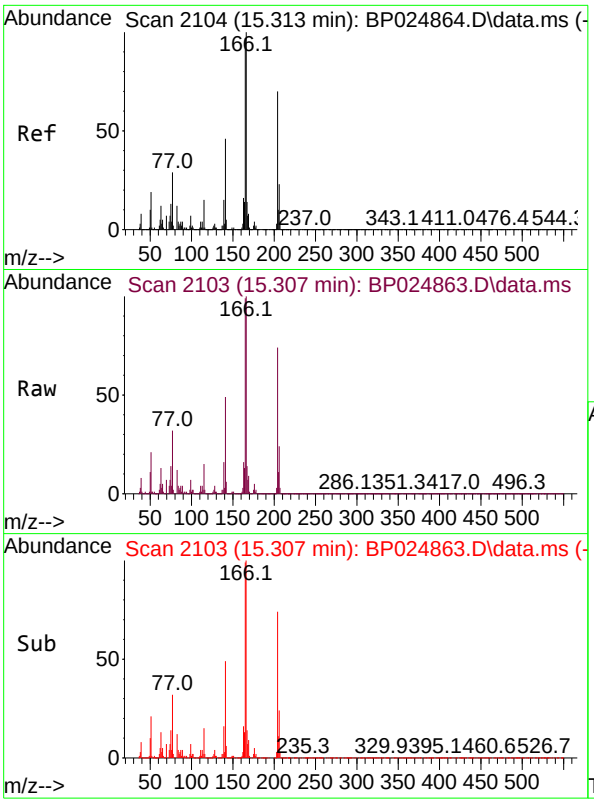


#60
Diethylphthalate
Concen: 20.225 ng
RT: 15.090 min Scan# 2066
Delta R.T. -0.012 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:149 Resp: 899294

Ion	Ratio	Lower	Upper
149	100		
177	21.5	17.9	26.9
150	12.8	9.8	14.6

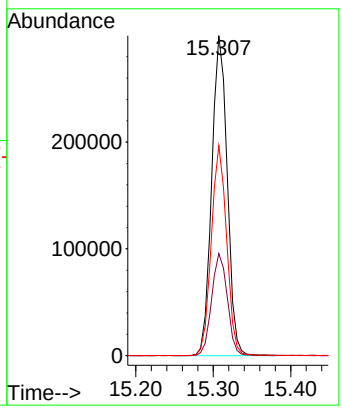




#61
4-Chlorophenyl-phenylether
Concen: 20.361 ng
RT: 15.307 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:204 Resp: 41666

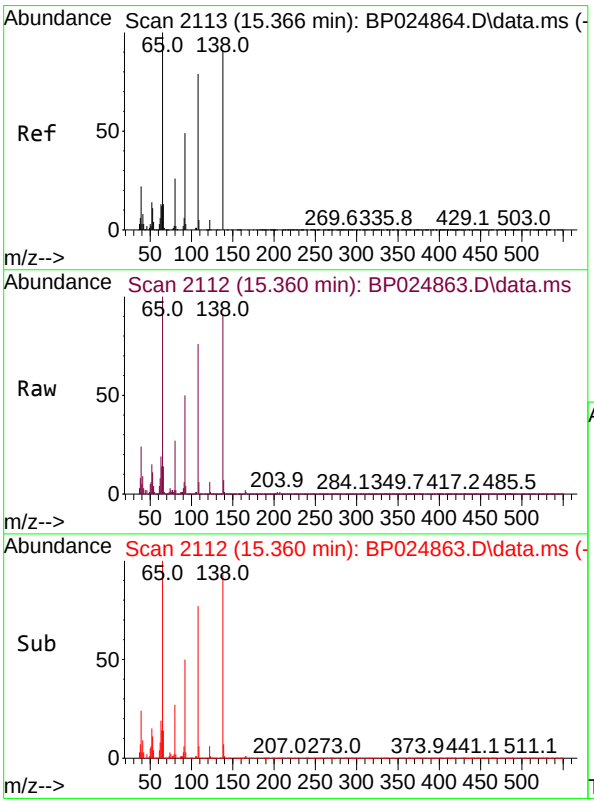
Ion	Ratio	Lower	Upper
204	100		
206	31.9	26.6	40.0
141	65.6	52.4	78.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

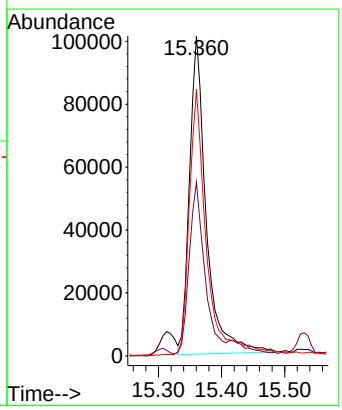
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

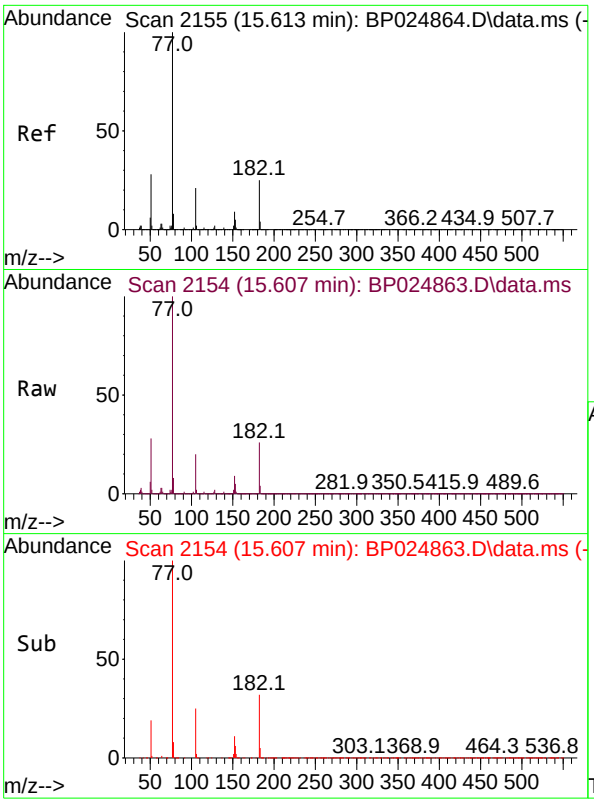


#62
4-Nitroaniline
Concen: 20.523 ng
RT: 15.360 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:138 Resp: 185839

Ion	Ratio	Lower	Upper
138	100		
92	54.3	33.5	73.5
108	83.3	65.1	105.1

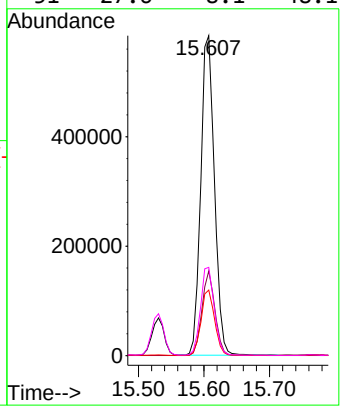




#63
Azobenzene
Concen: 20.675 ng
RT: 15.607 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion: 77 Resp: 843121

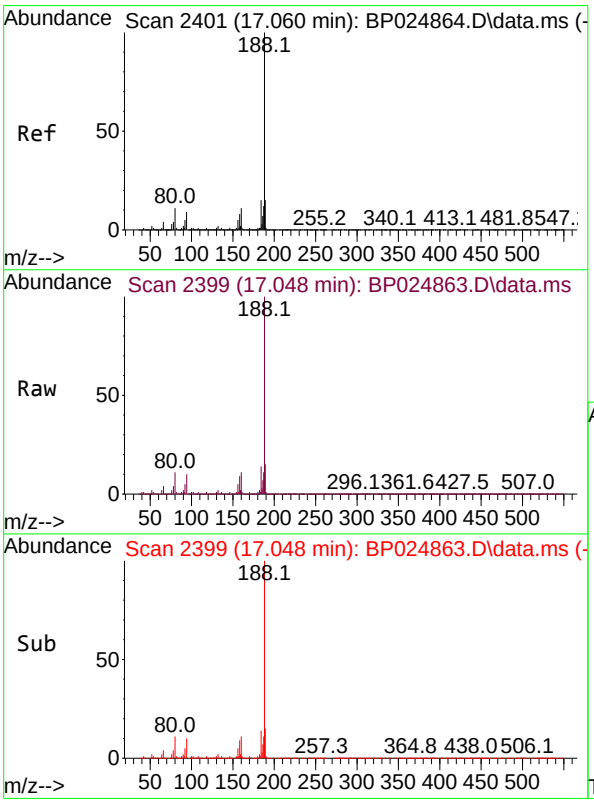
Ion	Ratio	Lower	Upper
77	100		
182	26.4	5.4	45.4
105	20.5	0.8	40.8
51	27.6	8.1	48.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

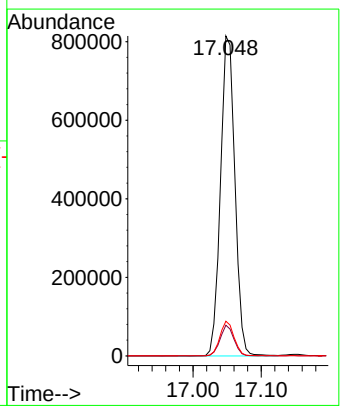
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

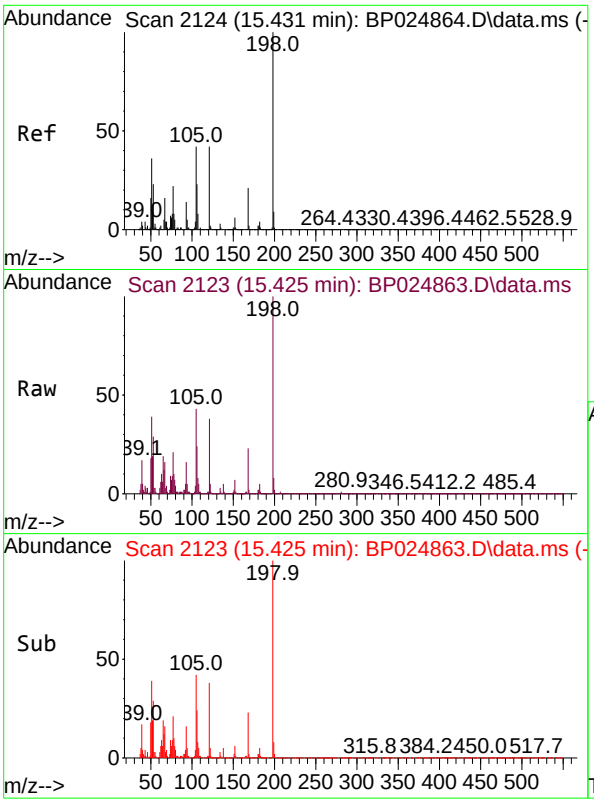


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.048 min Scan# 2399
Delta R.T. -0.012 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:188 Resp: 1187838

Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.3	10.9
80	10.8	8.5	12.7





#65
4,6-Dinitro-2-methylphenol
Concen: 19.041 ng
RT: 15.425 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

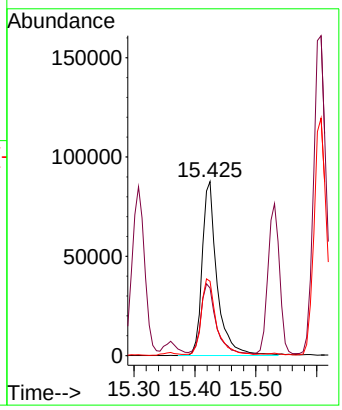
Tgt Ion:198 Resp: 14861

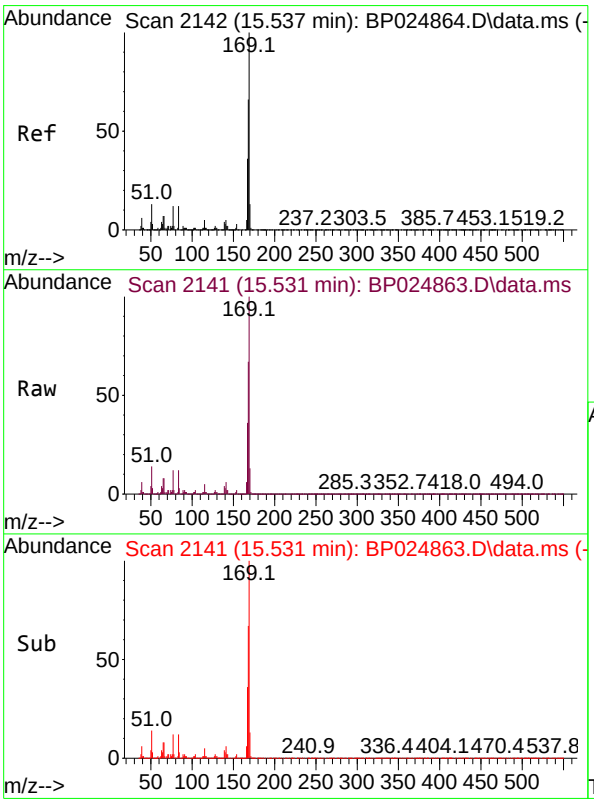
Ion	Ratio	Lower	Upper
198	100		
51	38.9	19.2	59.2
105	42.7	22.6	62.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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Reviewed By :Rahul Chavli 06/09/2025
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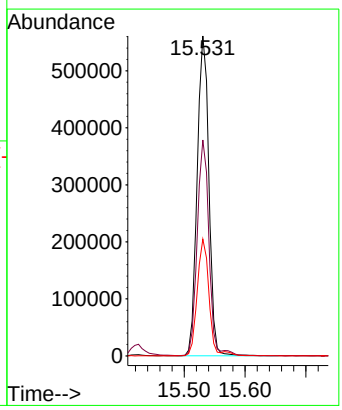


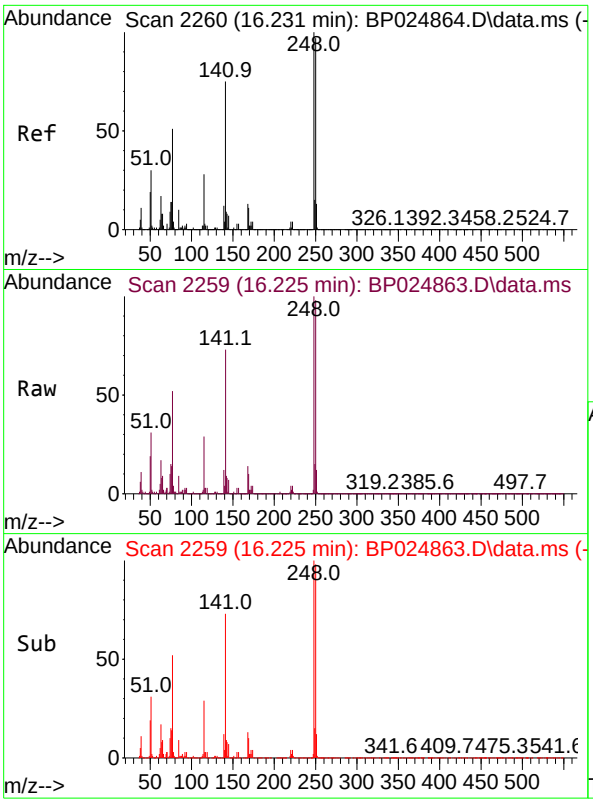


#66
n-Nitrosodiphenylamine
Concen: 20.409 ng
RT: 15.531 min Scan# 2141
Delta R.T. -0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:169 Resp: 751407

Ion	Ratio	Lower	Upper
169	100		
168	67.5	53.0	79.6
167	36.5	28.6	43.0

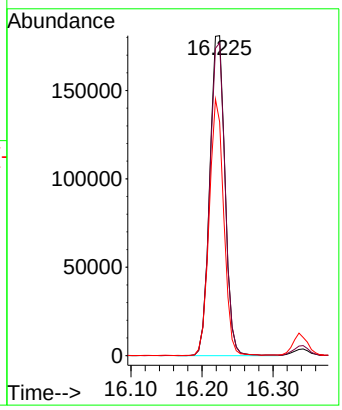




#67
4-Bromophenyl-phenylether
Concen: 20.055 ng
RT: 16.225 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:248 Resp: 26879

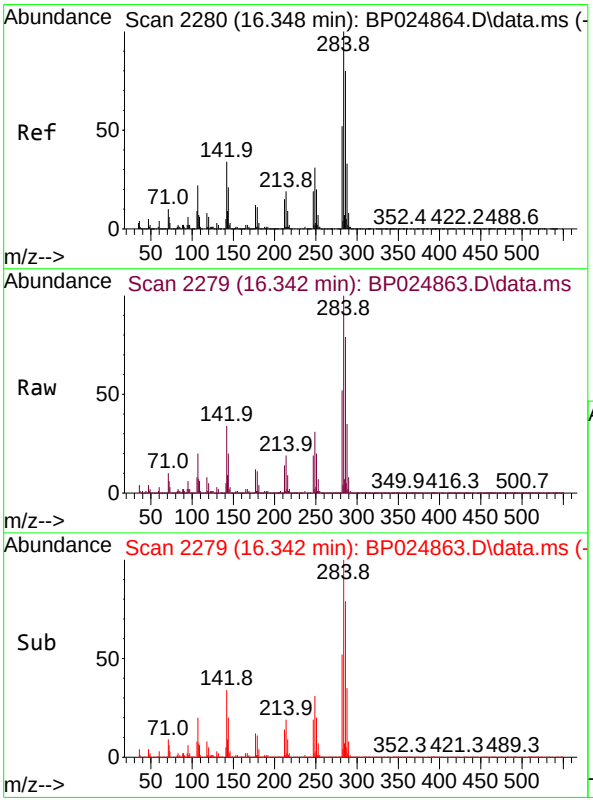
Ion	Ratio	Lower	Upper
248	100		
250	97.7	77.4	116.2
141	73.0	59.9	89.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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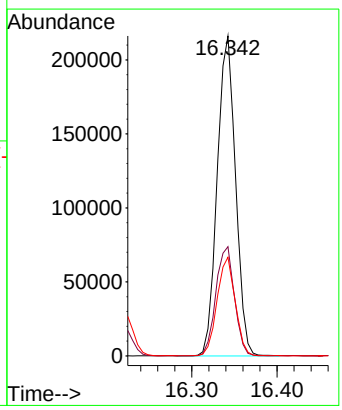
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

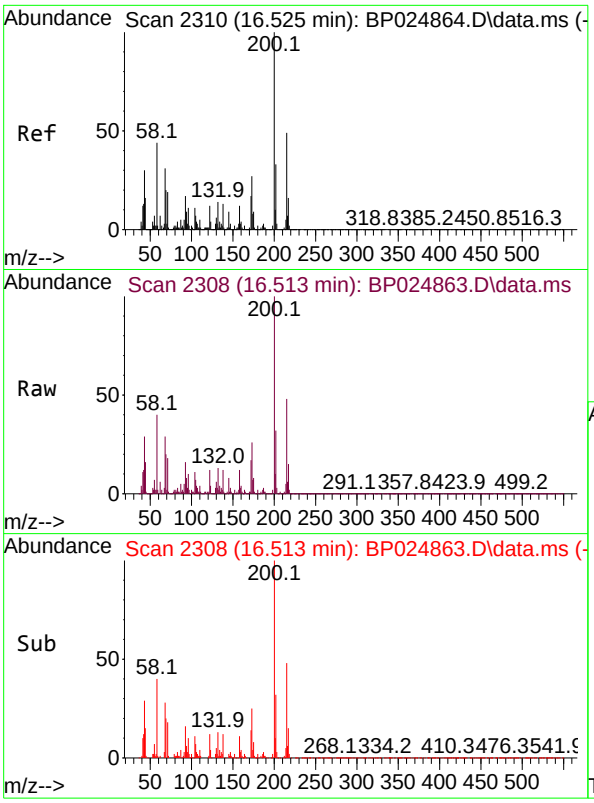


#68
Hexachlorobenzene
Concen: 19.880 ng
RT: 16.342 min Scan# 2279
Delta R.T. -0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:284 Resp: 323008

Ion	Ratio	Lower	Upper
284	100		
142	34.1	27.0	40.6
249	30.8	25.0	37.6

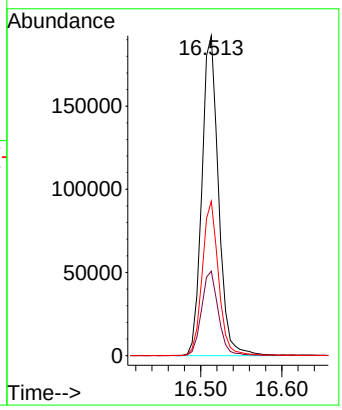




#69
Atrazine
Concen: 20.548 ng
RT: 16.513 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:200 Resp: 27425

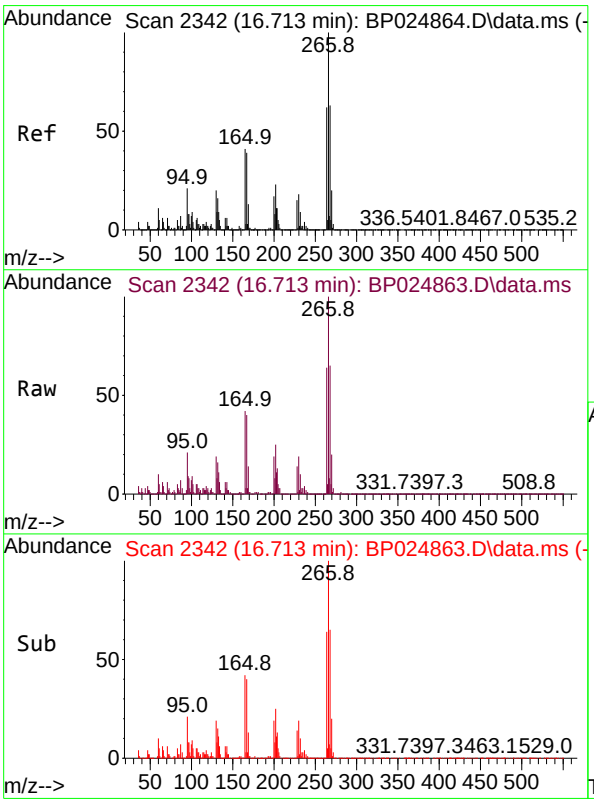
Ion	Ratio	Lower	Upper
200	100		
173	26.4	6.9	46.9
215	48.2	28.7	68.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

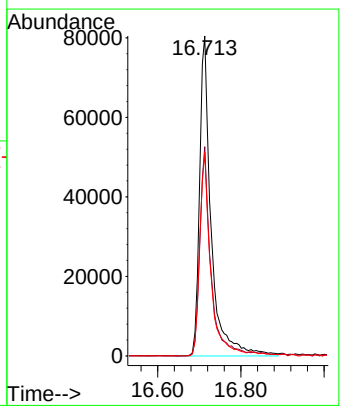
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

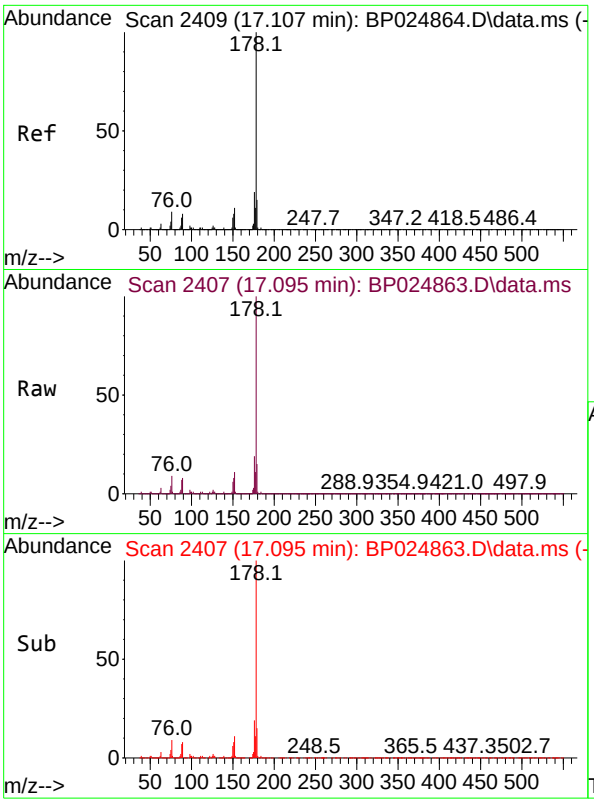


#70
Pentachlorophenol
Concen: 18.505 ng
RT: 16.713 min Scan# 2342
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:266 Resp: 155614

Ion	Ratio	Lower	Upper
266	100		
268	65.4	50.6	76.0
264	63.6	49.7	74.5

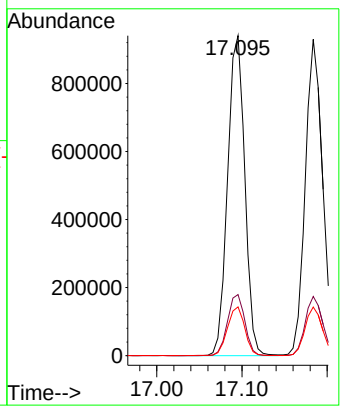




#71
Phenanthrene
Concen: 20.080 ng
RT: 17.095 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:178 Resp: 131807

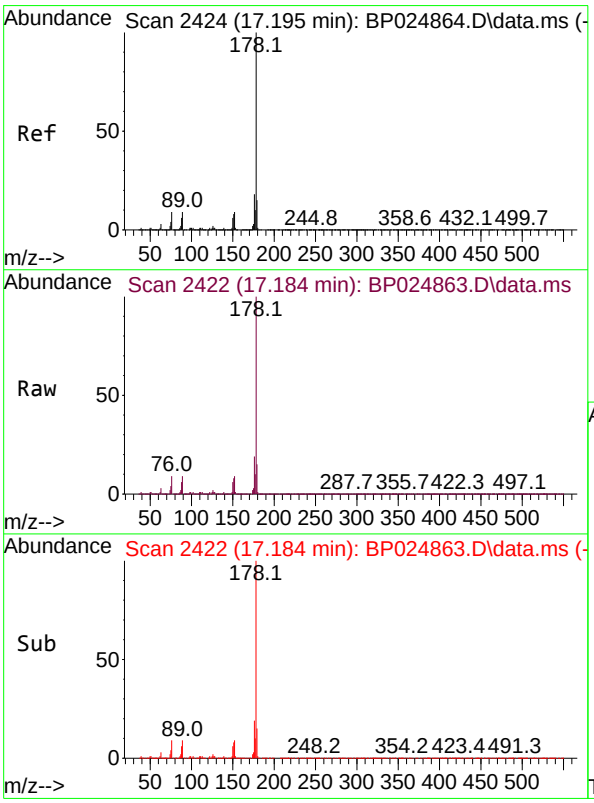
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.2	12.1	18.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

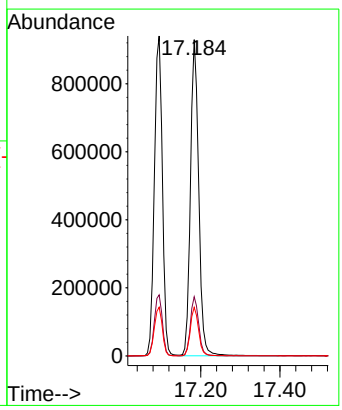
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

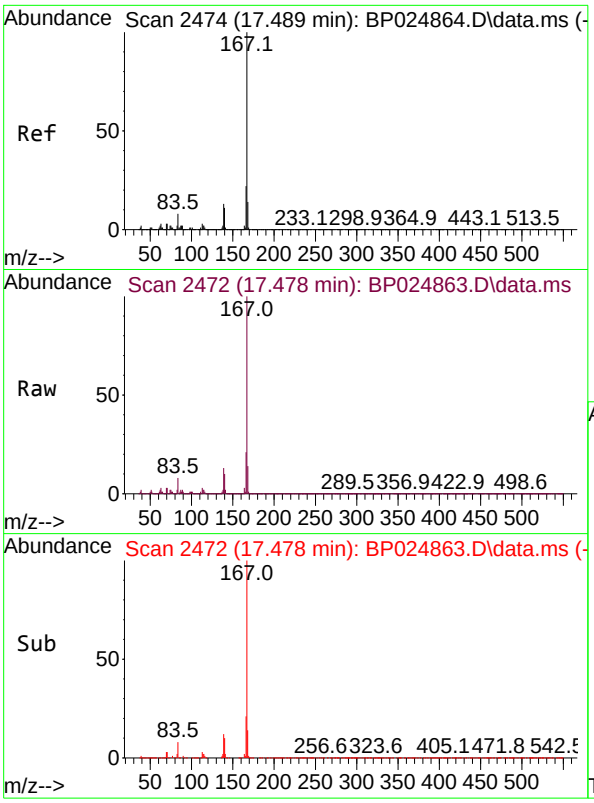


#72
Anthracene
Concen: 20.308 ng
RT: 17.184 min Scan# 2422
Delta R.T. -0.012 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:178 Resp: 1350106

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.7	22.1
179	15.4	12.3	18.5

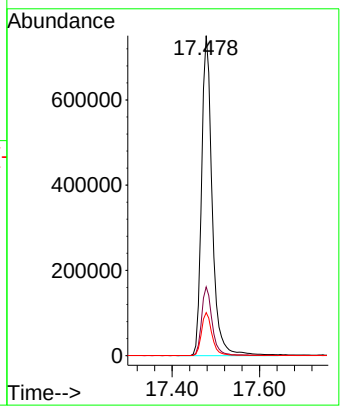




#73
Carbazole
Concen: 20.385 ng
RT: 17.478 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:167 Resp: 125610

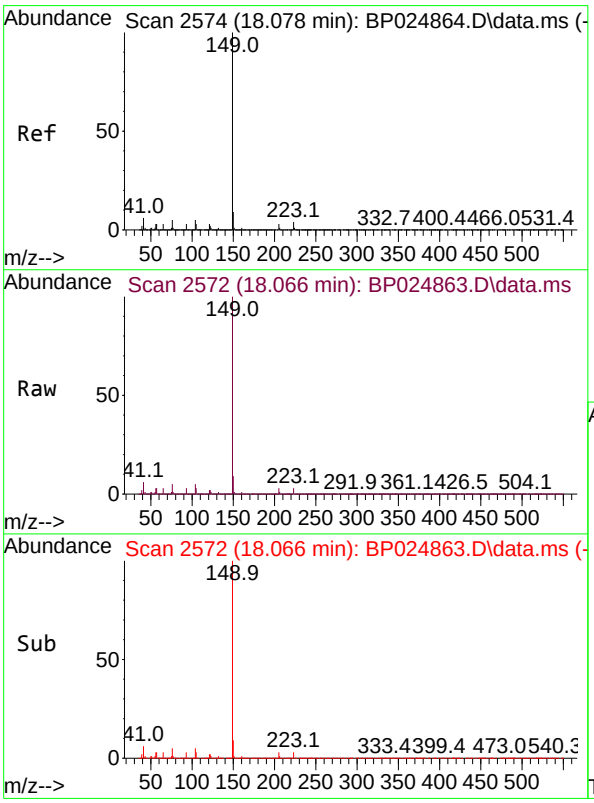
Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.3	25.9
139	13.4	10.8	16.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

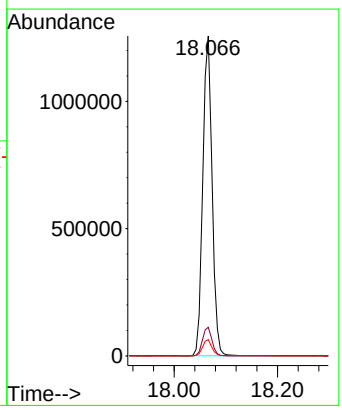
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

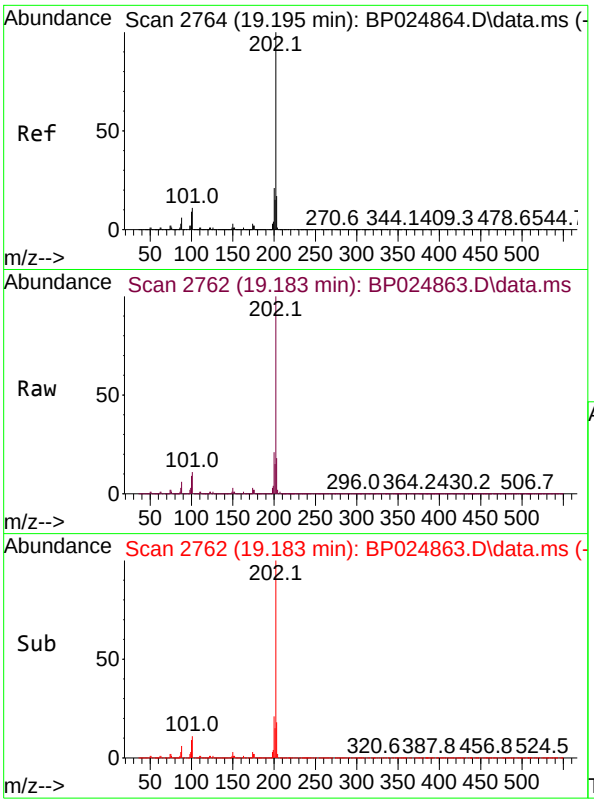


#74
Di-n-butylphthalate
Concen: 20.637 ng
RT: 18.066 min Scan# 2572
Delta R.T. -0.012 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:149 Resp: 1575537

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.4	11.2
104	5.1	4.2	6.2





#75
Fluoranthene
Concen: 20.404 ng
RT: 19.183 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

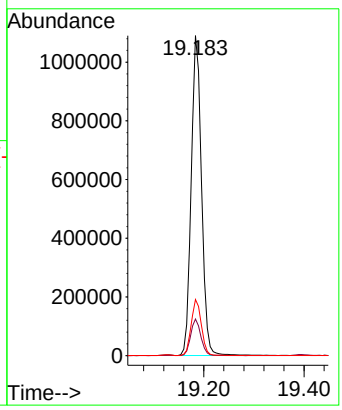
Tgt Ion:202 Resp: 155239

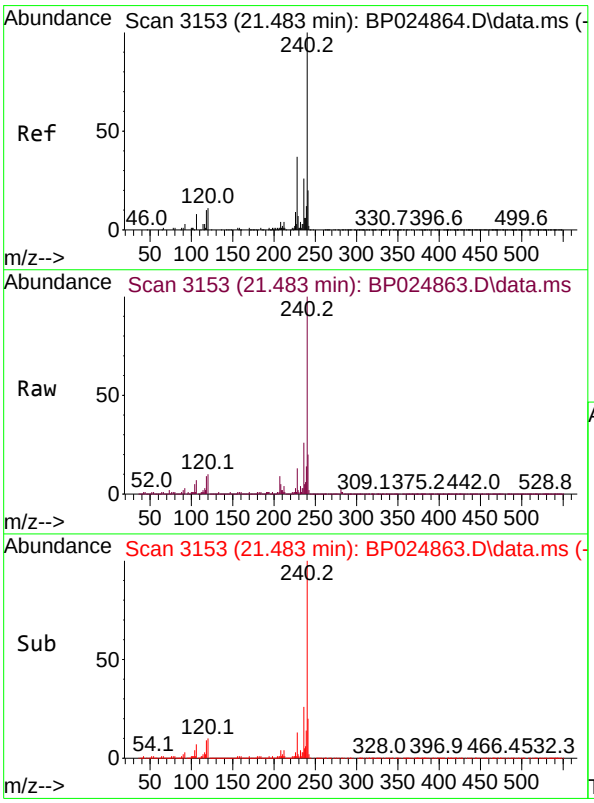
Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.4
203	17.5	0.0	37.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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Reviewed By :Rahul Chavli 06/09/2025
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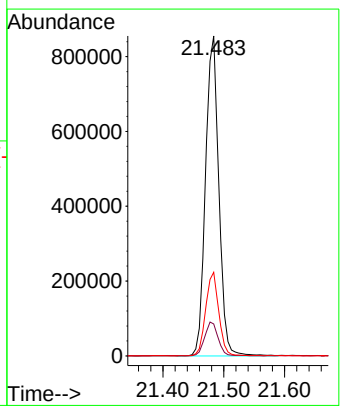


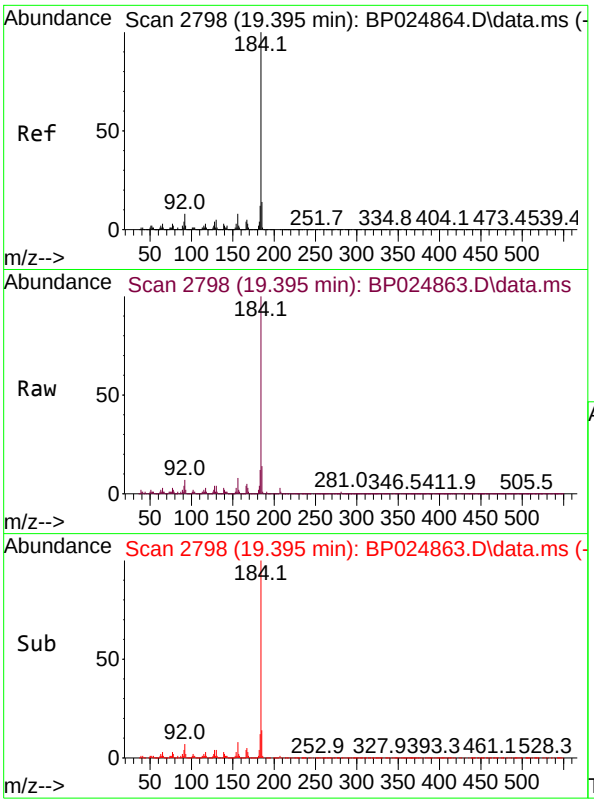


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.483 min Scan# 3153
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:240 Resp: 1296607

Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.9	13.3
236	26.1	20.9	31.3

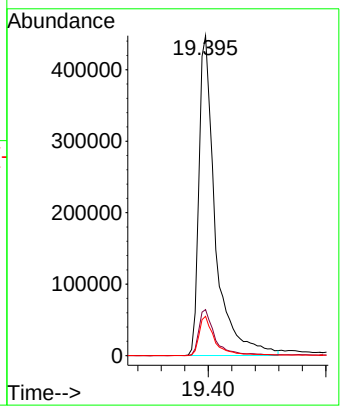




#77
Benzidine
Concen: 21.600 ng
RT: 19.395 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:184 Resp: 867418

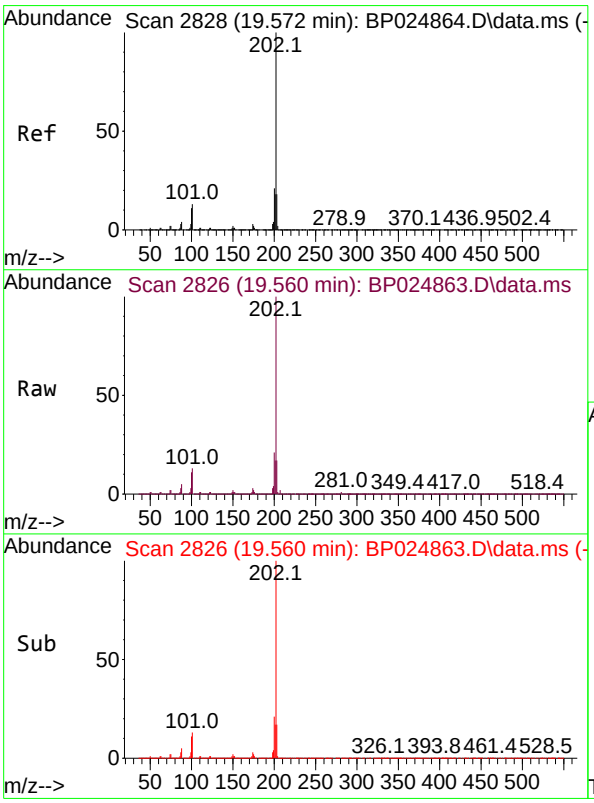
Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.4	17.0
183	12.3	9.5	14.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

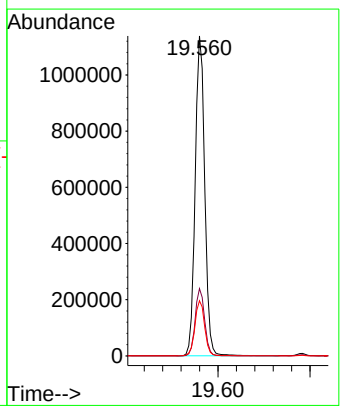
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

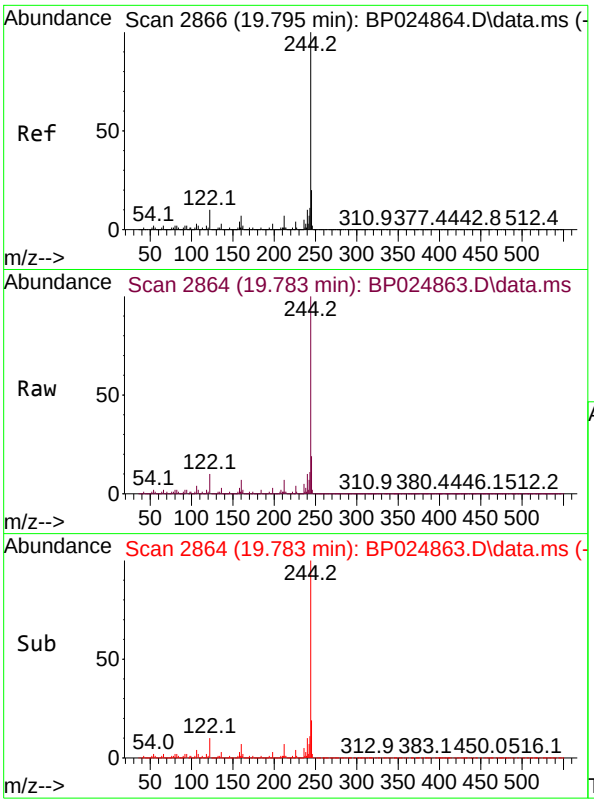


#78
Pyrene
Concen: 20.183 ng
RT: 19.560 min Scan# 2826
Delta R.T. -0.012 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:202 Resp: 1634896

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.1	25.7
203	17.2	14.0	21.0





#79
Terphenyl-d14
Concen: 41.093 ng
RT: 19.783 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

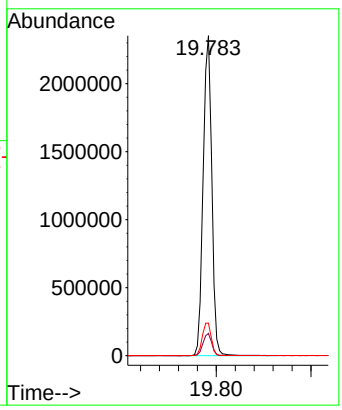
Tgt Ion:244 Resp: 297288

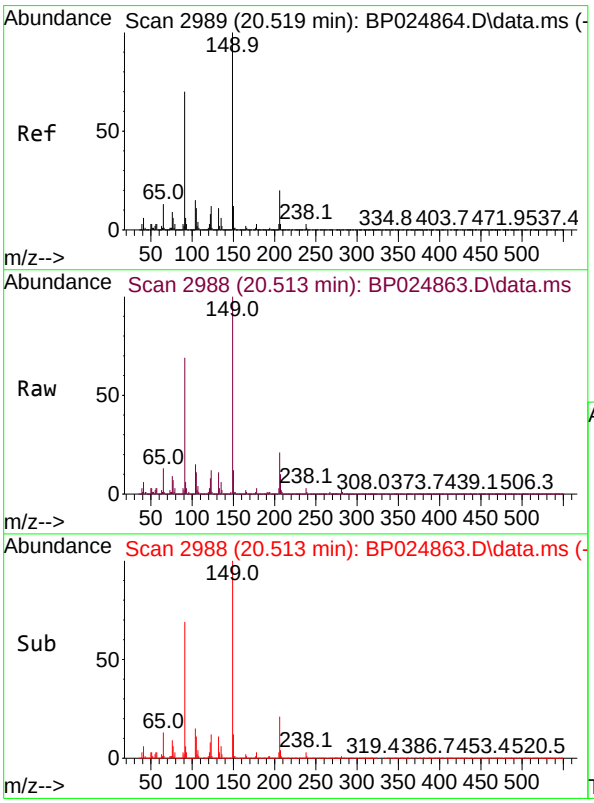
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	10.1	7.7	11.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
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Reviewed By :Rahul Chavli 06/09/2025
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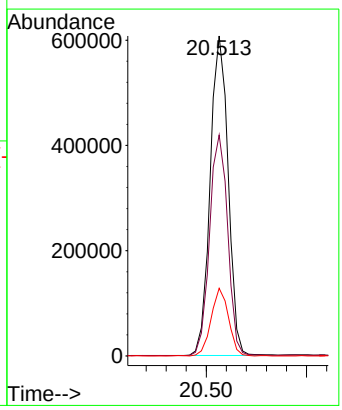


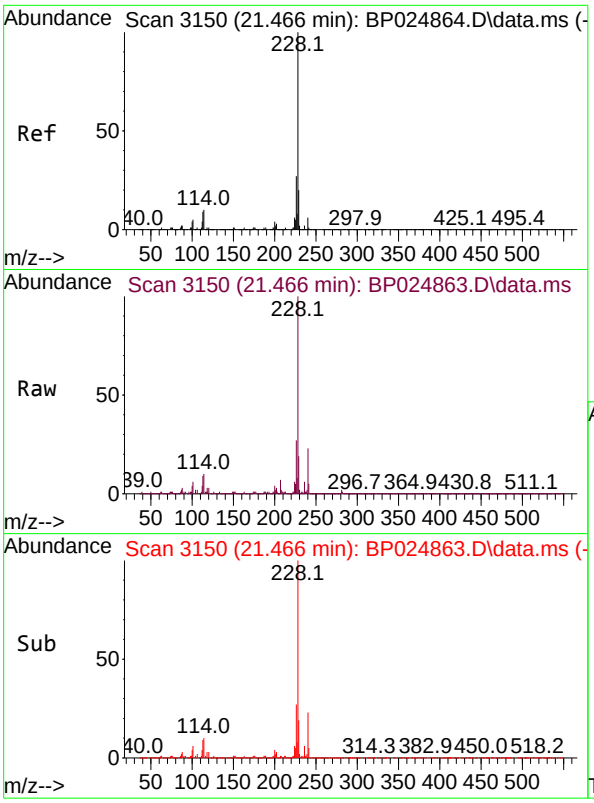


#80
Butylbenzylphthalate
Concen: 20.318 ng
RT: 20.513 min Scan# 2988
Delta R.T. -0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:149 Resp: 753875

Ion	Ratio	Lower	Upper
149	100		
91	69.0	55.8	83.8
206	21.1	16.2	24.2

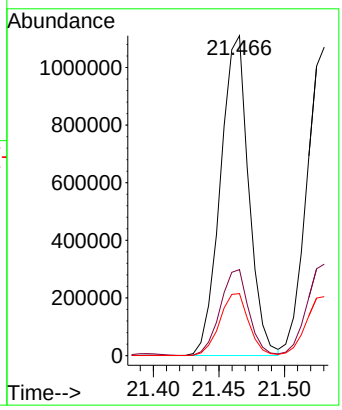




#81
Benzo(a)anthracene
Concen: 20.131 ng
RT: 21.466 min Scan# 31
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:228 Resp: 166939

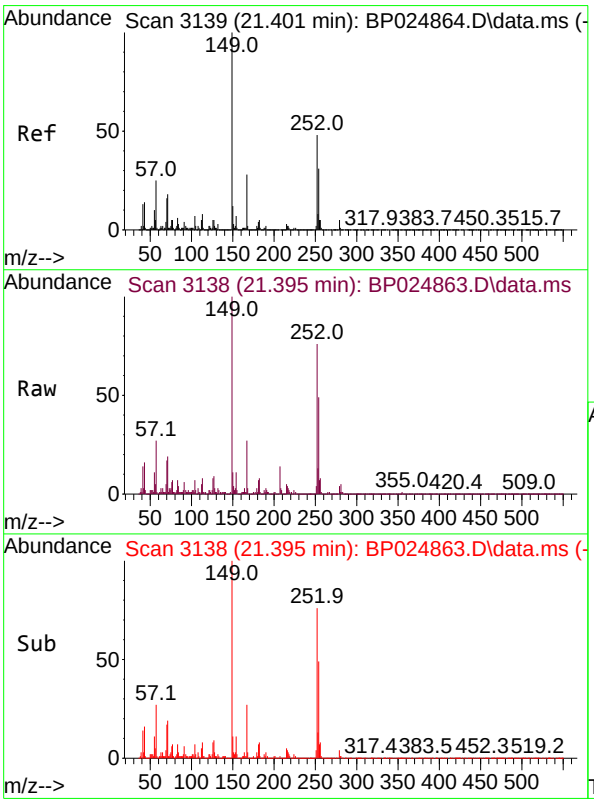
Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.1	33.1
229	19.4	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

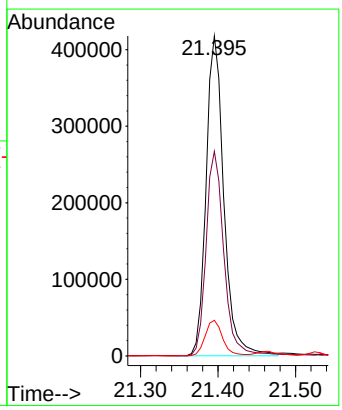
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

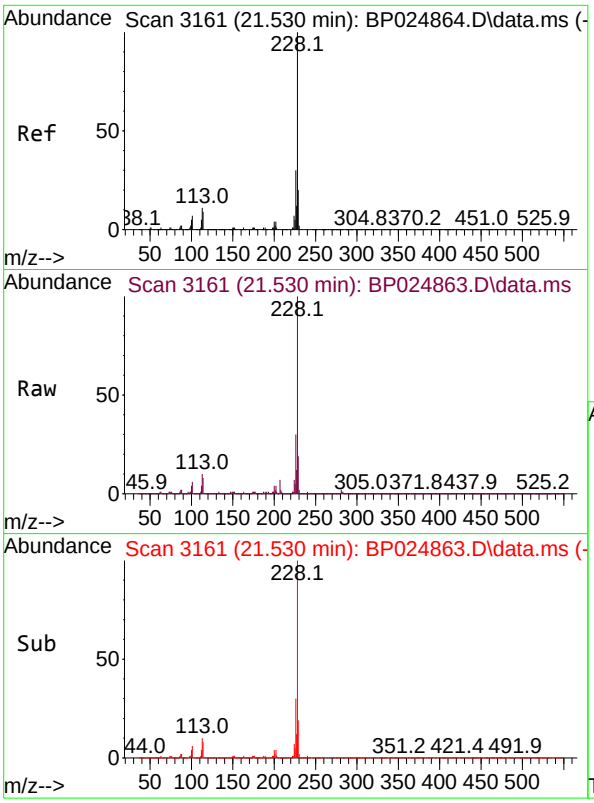


#82
3,3'-Dichlorobenzidine
Concen: 20.185 ng
RT: 21.395 min Scan# 3138
Delta R.T. -0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:252 Resp: 664556

Ion	Ratio	Lower	Upper
252	100		
254	63.9	51.2	76.8
126	11.1	8.6	12.8

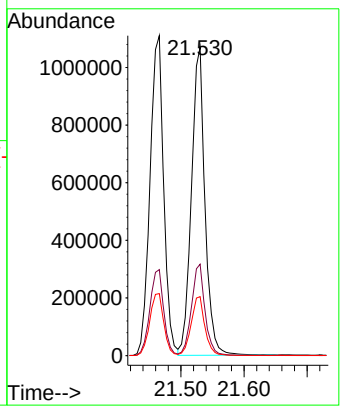




#83
Chrysene
Concen: 20.278 ng
RT: 21.530 min Scan# 31
Delta R.T. -0.000 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:228 Resp: 159341

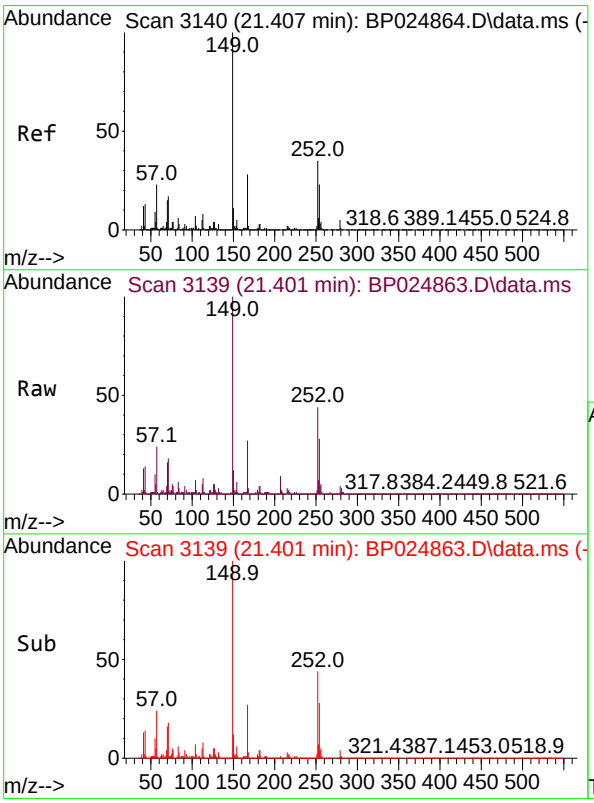
Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.8	35.6
229	19.1	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

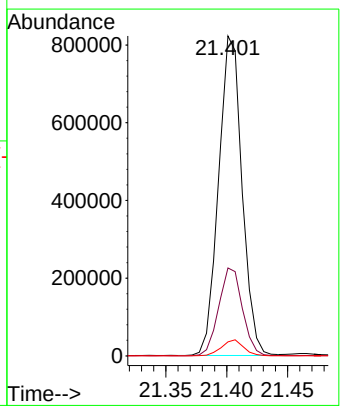
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

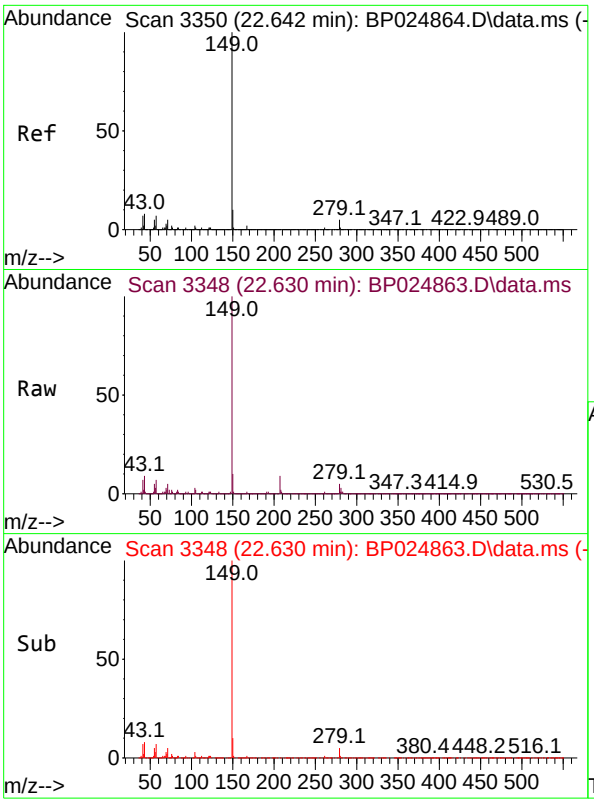


#84
Bis(2-ethylhexyl)phthalate
Concen: 20.638 ng
RT: 21.401 min Scan# 3139
Delta R.T. -0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:149 Resp: 1097129

Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.2	33.4
279	4.4	4.0	6.0

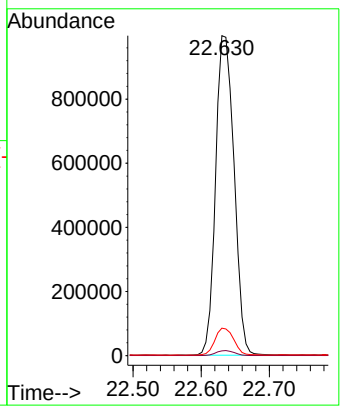




#85
Di-n-octyl phthalate
Concen: 19.903 ng
RT: 22.630 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:149 Resp: 186501

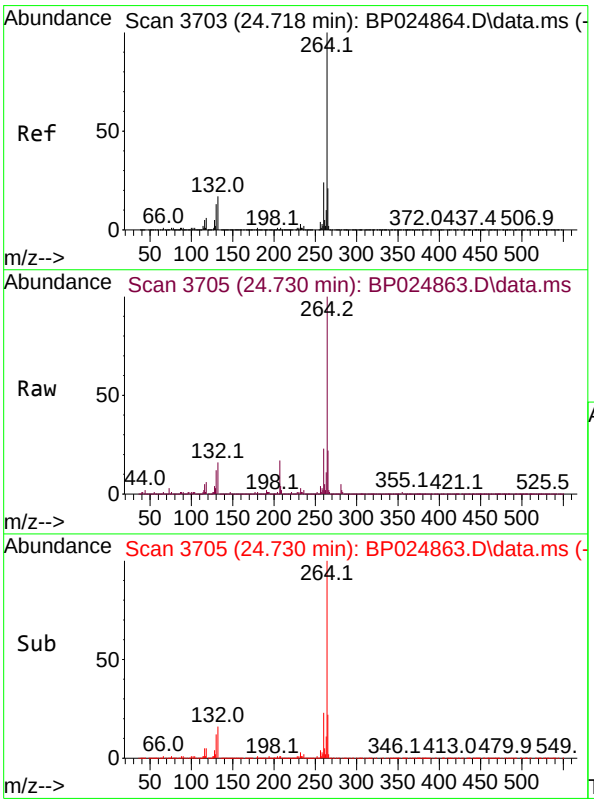
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	8.5	6.6	10.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

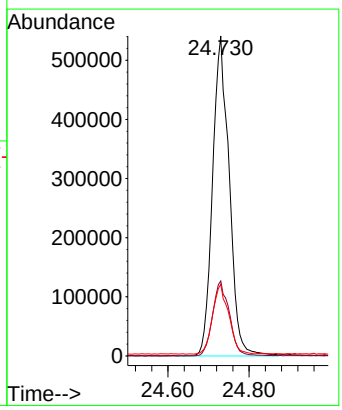
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

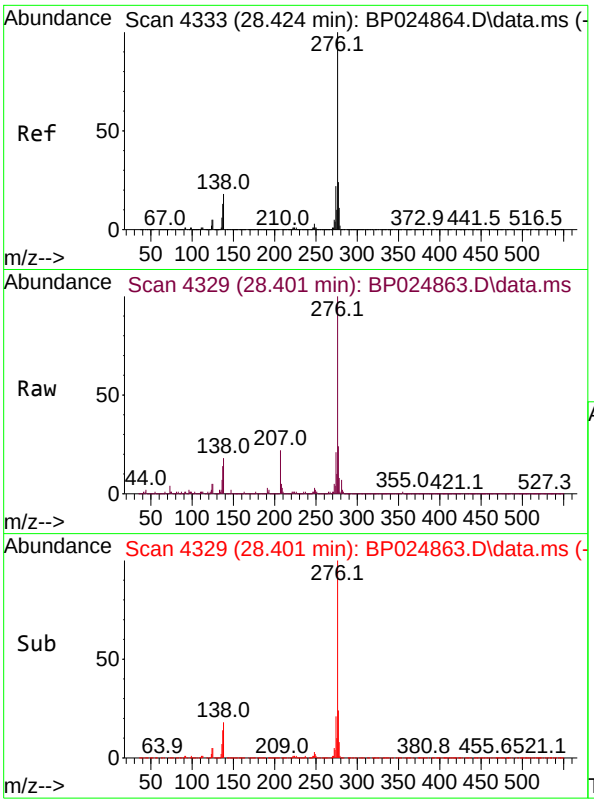


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.730 min Scan# 3705
Delta R.T. 0.012 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:264 Resp: 1539603

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.0	28.4
265	22.4	17.4	26.0

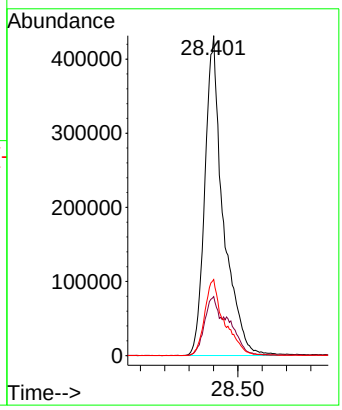




#87
Indeno(1,2,3-cd)pyrene
Concen: 20.129 ng
RT: 28.401 min Scan# 4
Delta R.T. -0.024 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:276 Resp: 226111

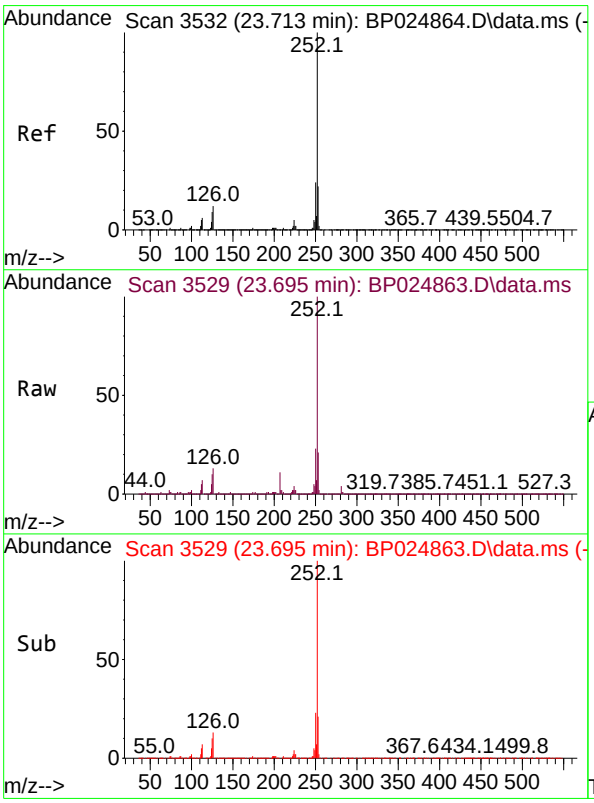
Ion	Ratio	Lower	Upper
276	100		
138	15.0	18.6	27.8
277	25.3	20.2	30.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

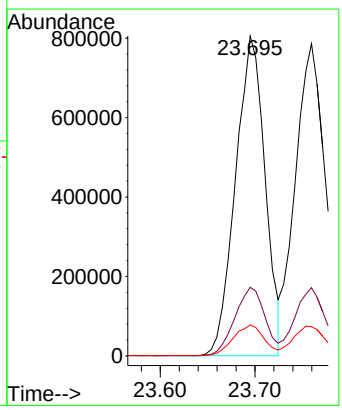
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

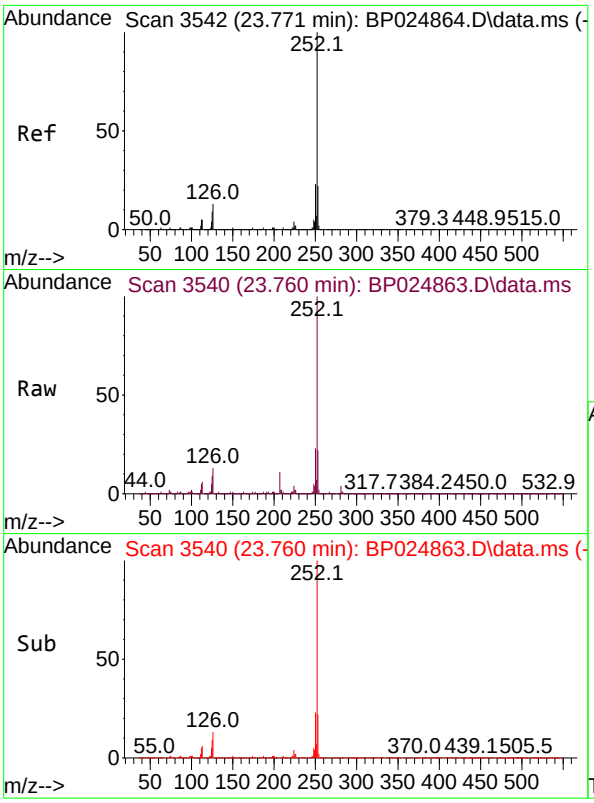


#88
Benzo(b)fluoranthene
Concen: 19.792 ng
RT: 23.695 min Scan# 3529
Delta R.T. -0.018 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:252 Resp: 1743865

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.6	26.4
125	9.7	7.1	10.7

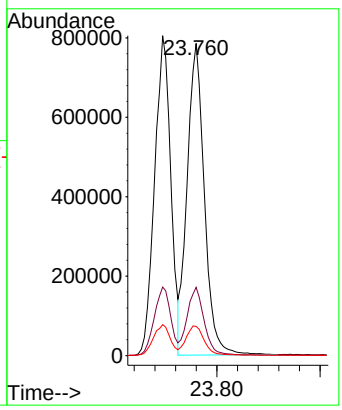




#89
Benzo(k)fluoranthene
Concen: 20.264 ng
RT: 23.760 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:252 Resp: 181750

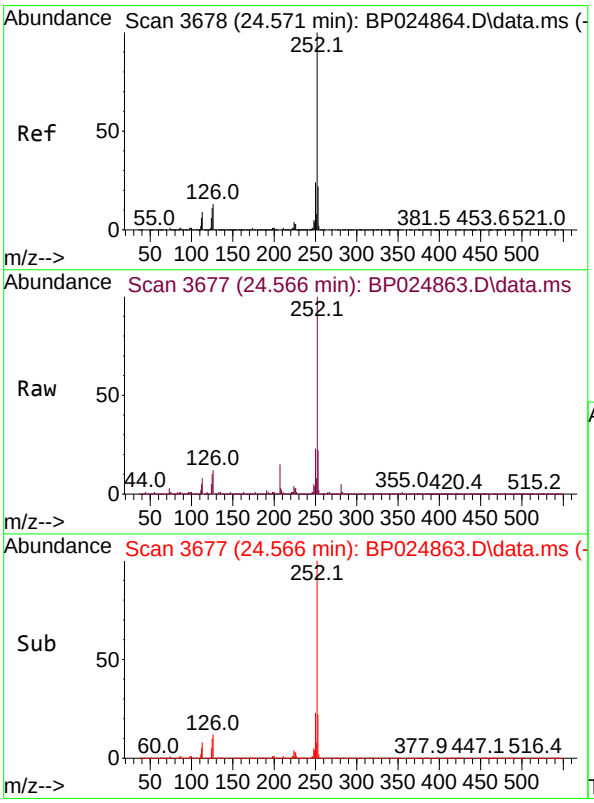
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	9.4	7.4	11.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

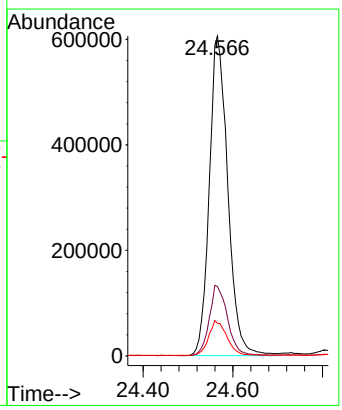
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

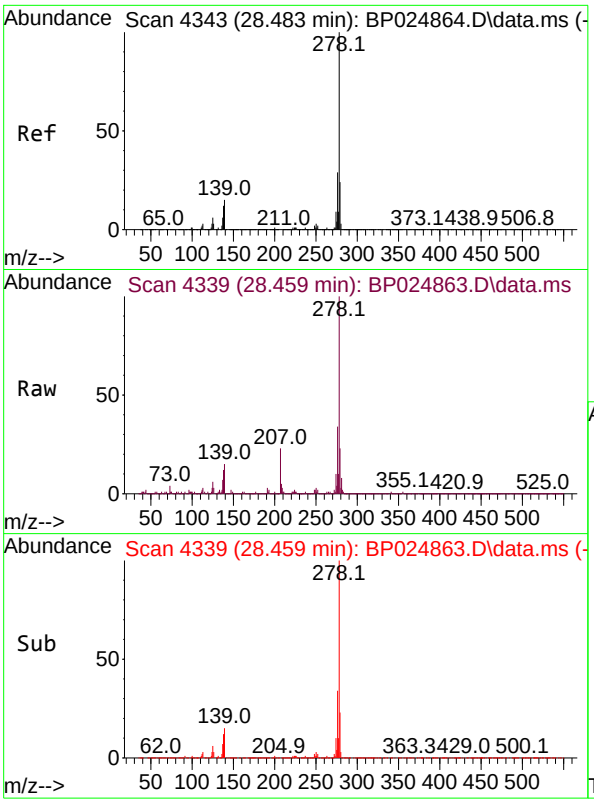


#90
Benzo(a)pyrene
Concen: 20.166 ng
RT: 24.566 min Scan# 3677
Delta R.T. -0.006 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:252 Resp: 1735236

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	10.2	8.8	13.2

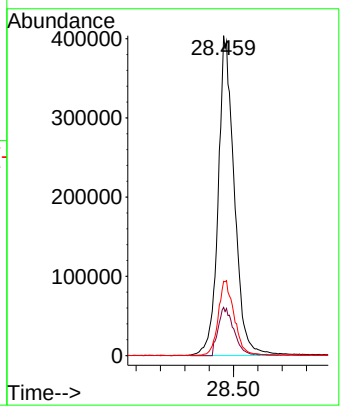




#91
Dibenzo(a,h)anthracene
Concen: 20.237 ng
RT: 28.459 min Scan# 4
Delta R.T. -0.024 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:278 Resp: 185043

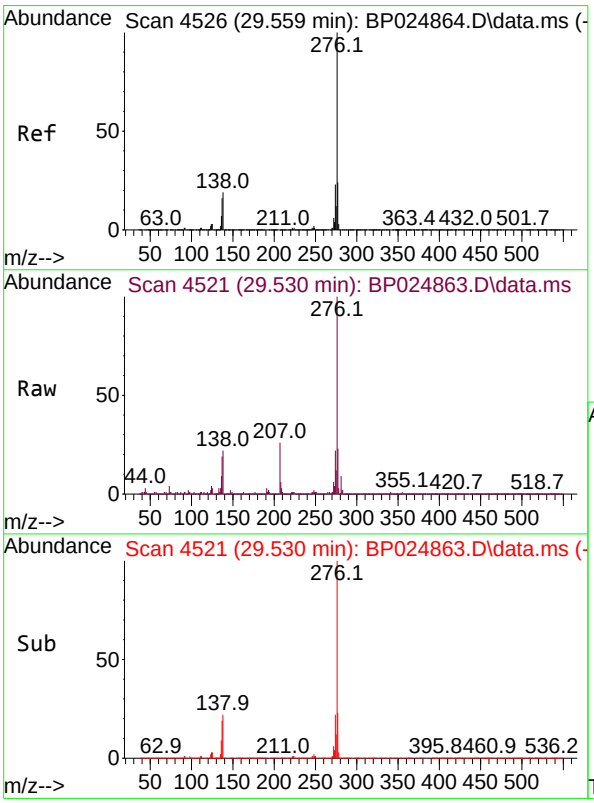
Ion	Ratio	Lower	Upper
278	100		
139	15.1	12.0	18.0
279	23.2	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

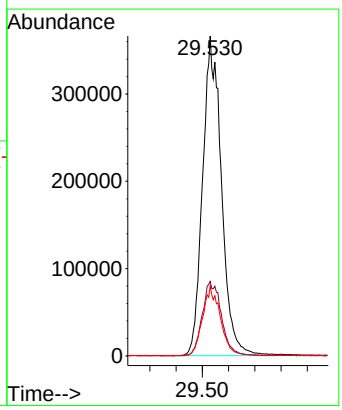
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025



#92
Benzo(g,h,i)perylene
Concen: 20.071 ng
RT: 29.530 min Scan# 4521
Delta R.T. -0.029 min
Lab File: BP024863.D
Acq: 06 Jun 2025 12:33

Tgt Ion:276 Resp: 1820845

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.1	28.7
138	21.9	15.4	23.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024864.D
Acq On : 06 Jun 2025 13:14
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: Jun 06 16:02:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.613	152	251451	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	1050030	20.000	ng	0.00
39) Acenaphthene-d10	14.248	164	679122	20.000	ng	0.00
64) Phenanthrene-d10	17.060	188	1306481	20.000	ng	0.00
76) Chrysene-d12	21.483	240	1397384	20.000	ng	0.00
86) Perylene-d12	24.718	264	1643252	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.243	112	1170028	77.670	ng	0.00
7) Phenol-d6	6.814	99	1553699	77.952	ng	0.00
23) Nitrobenzene-d5	8.760	82	1695972	78.486	ng	0.00
42) 2,4,6-Tribromophenol	15.784	330	726339	77.359	ng	0.00
45) 2-Fluorobiphenyl	12.860	172	3776115	74.904	ng	0.00
79) Terphenyl-d14	19.795	244	6089552	78.103	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.167	88	249102	37.581	ng	100
3) Pyridine	3.567	79	616351	38.665	ng	100
4) n-Nitrosodimethylamine	3.478	42	252432	38.735	ng	100
6) Aniline	6.955	93	994688	39.106	ng	100
8) 2-Chlorophenol	7.190	128	660632	38.685	ng	100
9) Benzaldehyde	6.772	77	439137	38.116	ng	100
10) Phenol	6.843	94	798315	38.853	ng	100
11) bis(2-Chloroethyl)ether	7.049	93	620674	38.406	ng	100
12) 1,3-Dichlorobenzene	7.502	146	716511	37.610	ng	100
13) 1,4-Dichlorobenzene	7.643	146	723440	37.635	ng	100
14) 1,2-Dichlorobenzene	7.961	146	704548	37.326	ng	100
15) Benzyl Alcohol	7.861	79	588293	38.458	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.131	45	795933	37.629	ng	100
17) 2-Methylphenol	8.072	107	556193	38.764	ng	100
18) Hexachloroethane	8.672	117	274123	37.878	ng	100
19) n-Nitroso-di-n-propyla...	8.413	70	524279	38.693	ng	100
20) 3+4-Methylphenols	8.402	107	751025	38.365	ng	100
22) Acetophenone	8.431	105	1030093	38.828	ng	100
24) Nitrobenzene	8.802	77	755619	39.362	ng	100
25) Isophorone	9.325	82	1457812	38.927	ng	100
26) 2-Nitrophenol	9.507	139	378834	39.996	ng	100
27) 2,4-Dimethylphenol	9.584	122	635763	39.219	ng	100
28) bis(2-Chloroethoxy)met...	9.802	93	868569	38.880	ng	100
29) 2,4-Dichlorophenol	10.055	162	613013	39.412	ng	100
30) 1,2,4-Trichlorobenzene	10.243	180	665418	37.930	ng	100
31) Naphthalene	10.431	128	2077988	38.617	ng	100
32) Benzoic acid	9.760	122	428303	39.629	ng	100
33) 4-Chloroaniline	10.555	127	893683	39.641	ng	100
34) Hexachlorobutadiene	10.707	225	407084	38.500	ng	100
35) Caprolactam	11.349	113	230696	40.293	ng	100
36) 4-Chloro-3-methylphenol	11.701	107	715549	39.885	ng	100
37) 2-Methylnaphthalene	12.049	142	1330251	38.973	ng	100
38) 1-Methylnaphthalene	12.266	142	1408803	38.606	ng	100
40) 1,2,4,5-Tetrachloroben...	12.419	216	731245	37.947	ng	100
41) Hexachlorocyclopentadiene	12.396	237	457226	38.901	ng	100
43) 2,4,6-Trichlorophenol	12.678	196	509510	39.371	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024864.D
Acq On : 06 Jun 2025 13:14
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: Jun 06 16:02:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration

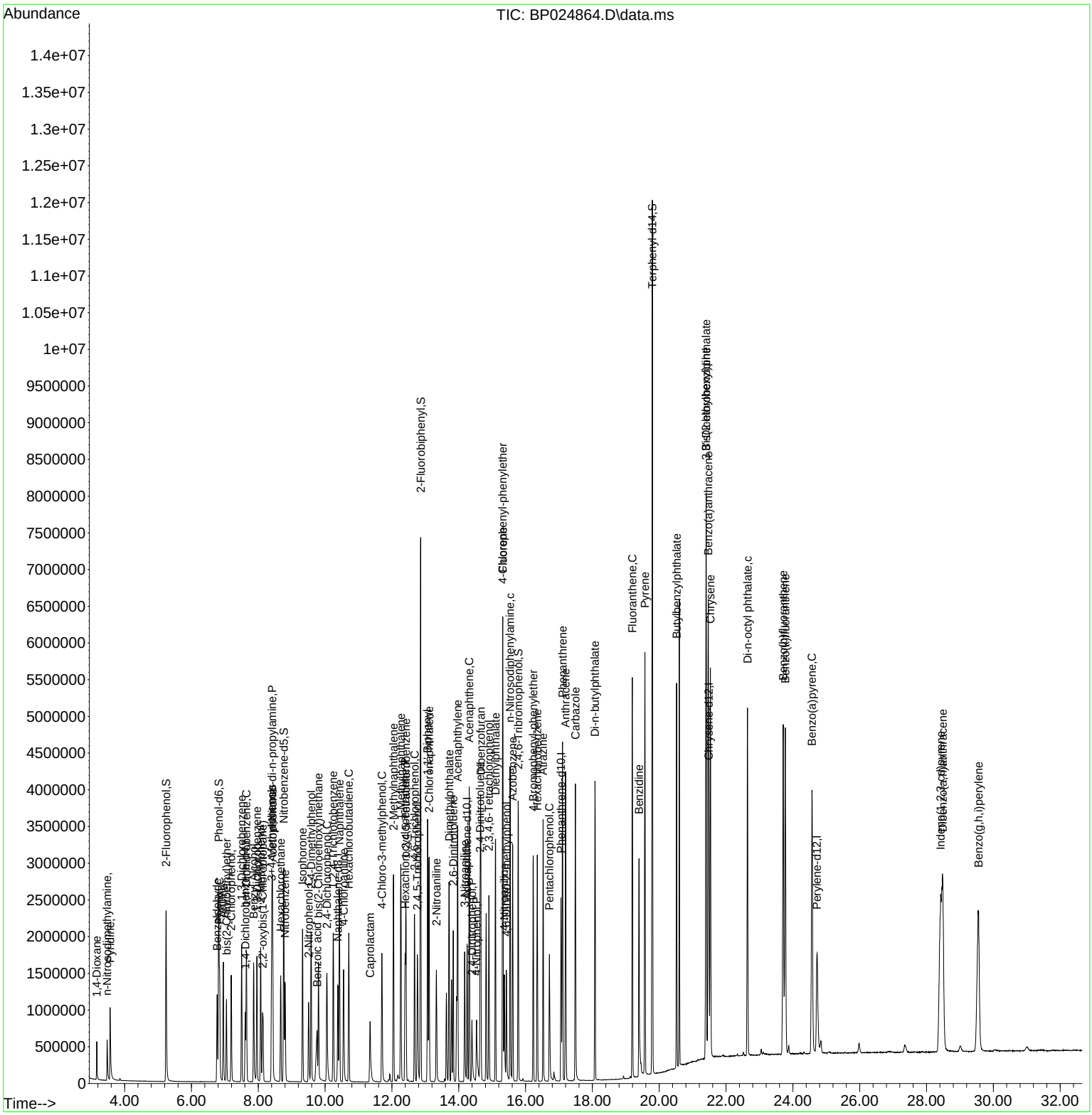
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.760	196	550432	39.715	ng	100
46) 1,1'-Biphenyl	13.066	154	1882196	38.137	ng	100
47) 2-Chloronaphthalene	13.113	162	1451679	38.270	ng	100
48) 2-Nitroaniline	13.331	65	470289	40.328	ng	100
49) Acenaphthylene	13.966	152	2400804	37.959	ng	100
50) Dimethylphthalate	13.713	163	1902136	37.969	ng	100
51) 2,6-Dinitrotoluene	13.837	165	424228	39.280	ng	100
52) Acenaphthene	14.313	154	1386007	38.243	ng	100
53) 3-Nitroaniline	14.178	138	459200	40.971	ng	100
54) 2,4-Dinitrophenol	14.395	184	242575	37.658	ng	100
55) Dibenzofuran	14.660	168	2209494	37.980	ng	100
56) 4-Nitrophenol	14.531	139	336462	38.472	ng	100
57) 2,4-Dinitrotoluene	14.637	165	593534	39.287	ng	100
58) Fluorene	15.319	166	1771367	37.692	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.901	232	480983	38.773	ng	100
60) Diethylphthalate	15.101	149	1891525	37.885	ng	100
61) 4-Chlorophenyl-phenyle...	15.313	204	864669	37.629	ng	100
62) 4-Nitroaniline	15.366	138	422311	41.533	ng	100
63) Azobenzene	15.613	77	1765553	38.557	ng	100
65) 4,6-Dinitro-2-methylph...	15.431	198	339975	39.602	ng	100
66) n-Nitrosodiphenylamine	15.537	169	1559739	38.517	ng	100
67) 4-Bromophenyl-phenylether	16.231	248	556600	37.758	ng	100
68) Hexachlorobenzene	16.348	284	680613	38.085	ng	100
69) Atrazine	16.525	200	567988	38.691	ng	100
70) Pentachlorophenol	16.713	266	362165	39.157	ng	100
71) Phenanthrene	17.107	178	2760162	38.231	ng	100
72) Anthracene	17.195	178	2799870	38.291	ng	100
73) Carbazole	17.489	167	2607544	38.474	ng	100
74) Di-n-butylphthalate	18.078	149	3324411	39.589	ng	100
75) Fluoranthene	19.195	202	3194654	38.177	ng	100
77) Benzidine	19.395	184	1825007	42.168	ng	100
78) Pyrene	19.572	202	3309259	37.906	ng	100
80) Butylbenzylphthalate	20.519	149	1569262	39.243	ng	100
81) Benzo(a)anthracene	21.466	228	3407877	38.131	ng	100
82) 3,3'-Dichlorobenzidine	21.401	252	1377414	38.820	ng	100
83) Chrysene	21.530	228	3196624	37.748	ng	100
84) Bis(2-ethylhexyl)phtha...	21.407	149	2227904	38.886	ng	100
85) Di-n-octyl phthalate	22.642	149	3868411	38.306	ng	100
87) Indeno(1,2,3-cd)pyrene	28.424	276	4640451	38.704	ng	100
88) Benzo(b)fluoranthene	23.713	252	3704546	39.393	ng	100
89) Benzo(k)fluoranthene	23.771	252	3635617	37.979	ng	100
90) Benzo(a)pyrene	24.571	252	3516755	38.291	ng	100
91) Dibenzo(a,h)anthracene	28.483	278	3757160	38.499	ng	100
92) Benzo(g,h,i)perylene	29.559	276	3734621	38.569	ng	100

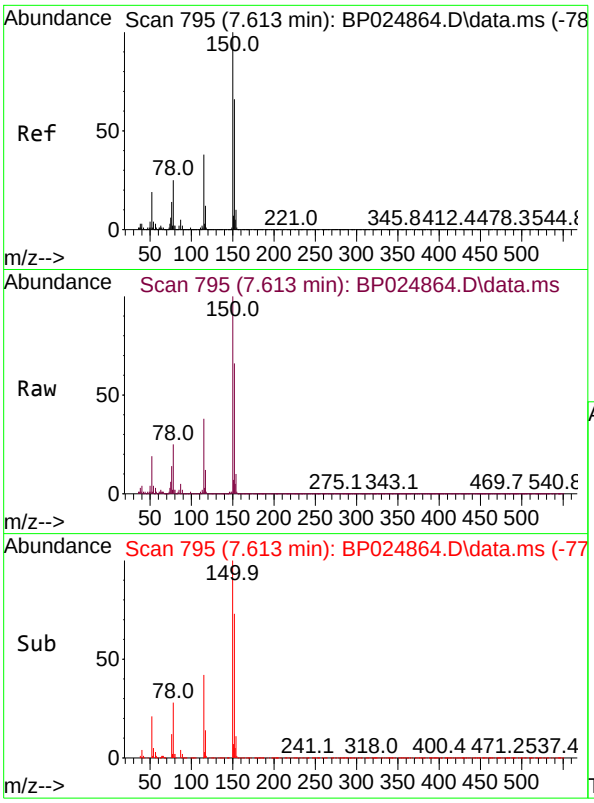
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024864.D
Acq On : 06 Jun 2025 13:14
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: Jun 06 16:02:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration



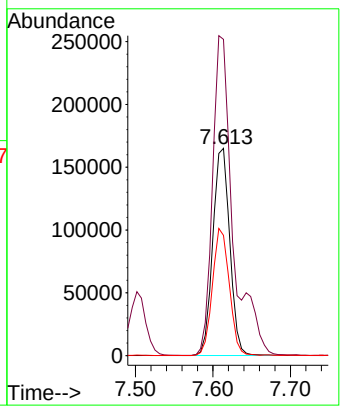


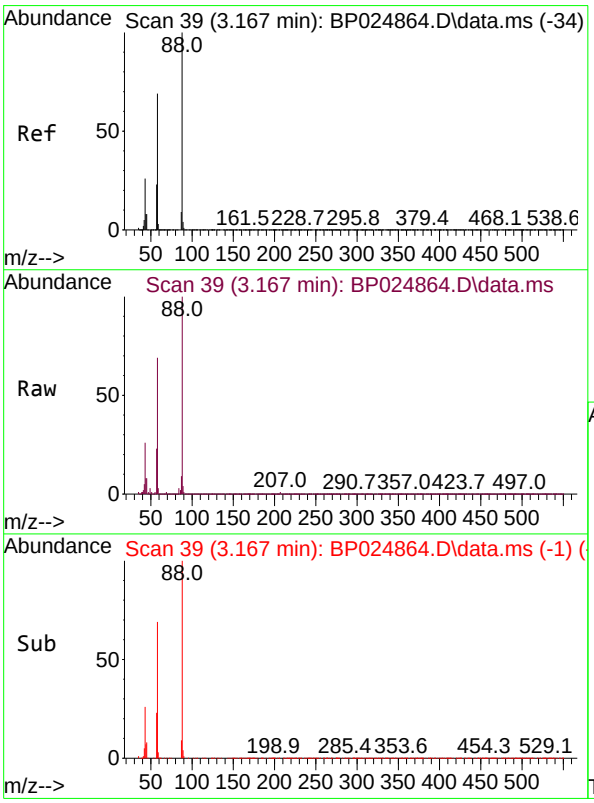
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.613 min Scan# 79
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 251451

Ion	Ratio	Lower	Upper
152	100		
150	152.6	122.1	183.1
115	58.0	46.4	69.6

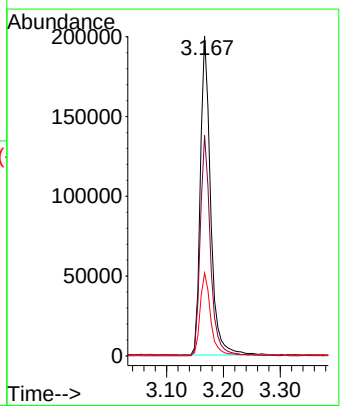


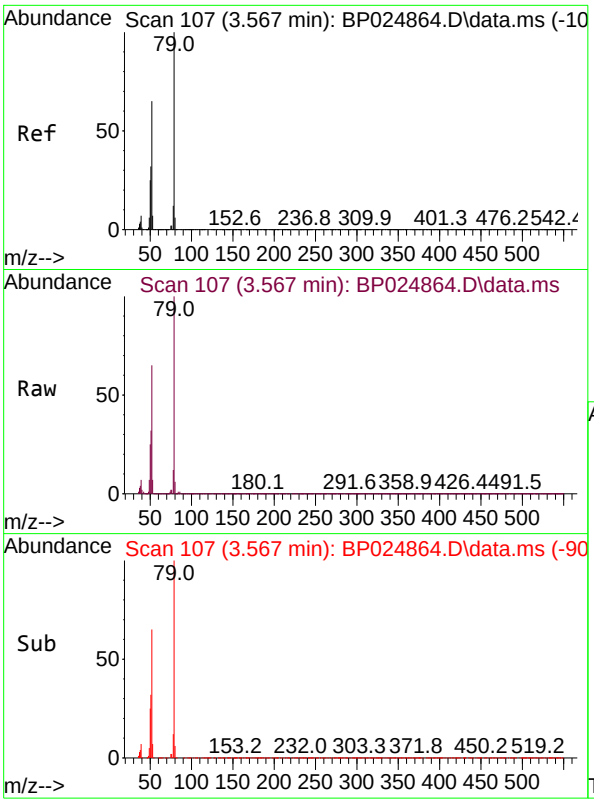


#2
1,4-Dioxane
Concen: 37.581 ng
RT: 3.167 min Scan# 39
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion: 88 Resp: 249102

Ion	Ratio	Lower	Upper
88	100		
58	69.3	55.4	83.0
43	26.1	20.8	31.2



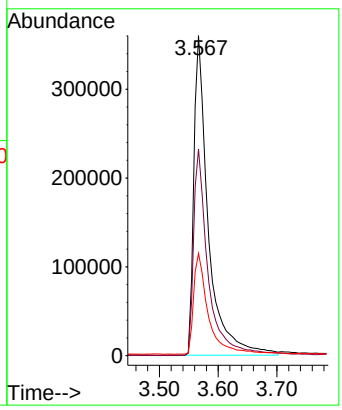


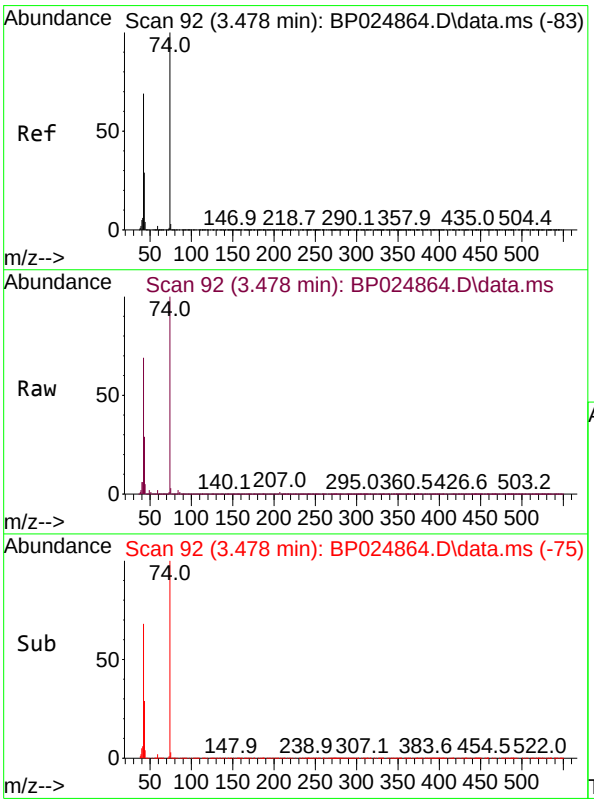
#3
Pyridine
Concen: 38.665 ng
RT: 3.567 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 616351

Ion	Ratio	Lower	Upper
79	100		
52	64.5	51.6	77.4
51	31.9	25.5	38.3

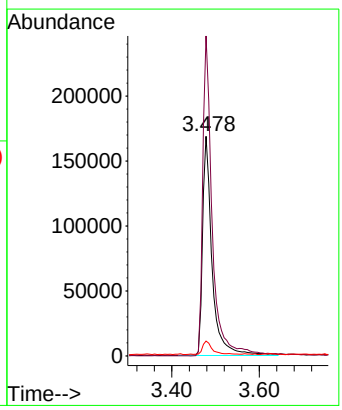


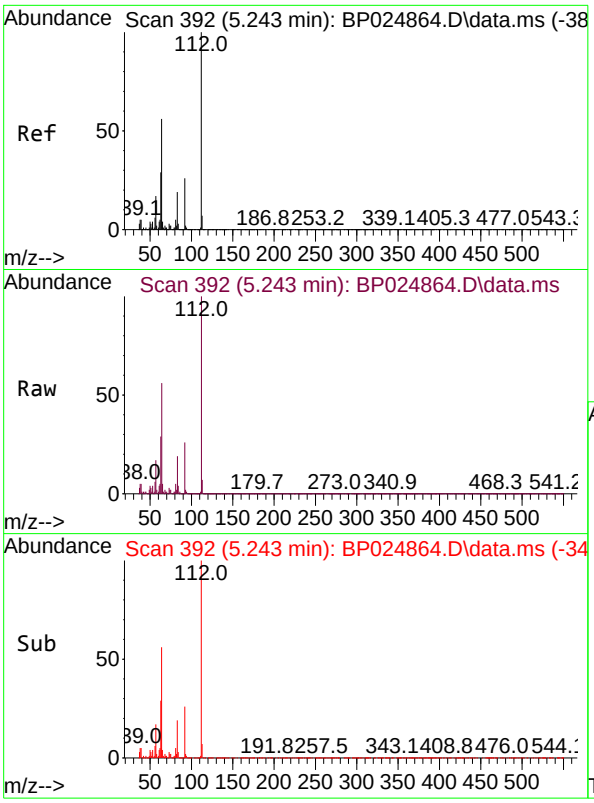


#4
n-Nitrosodimethylamine
Concen: 38.735 ng
RT: 3.478 min Scan# 92
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion: 42 Resp: 252432

Ion	Ratio	Lower	Upper
42	100		
74	145.7	116.6	174.8
44	6.7	5.4	8.0



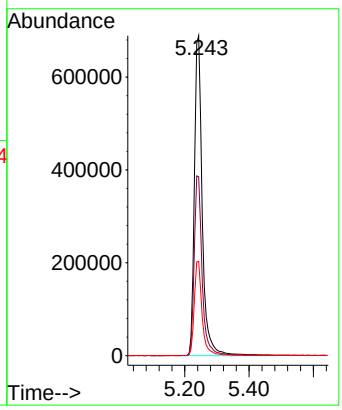


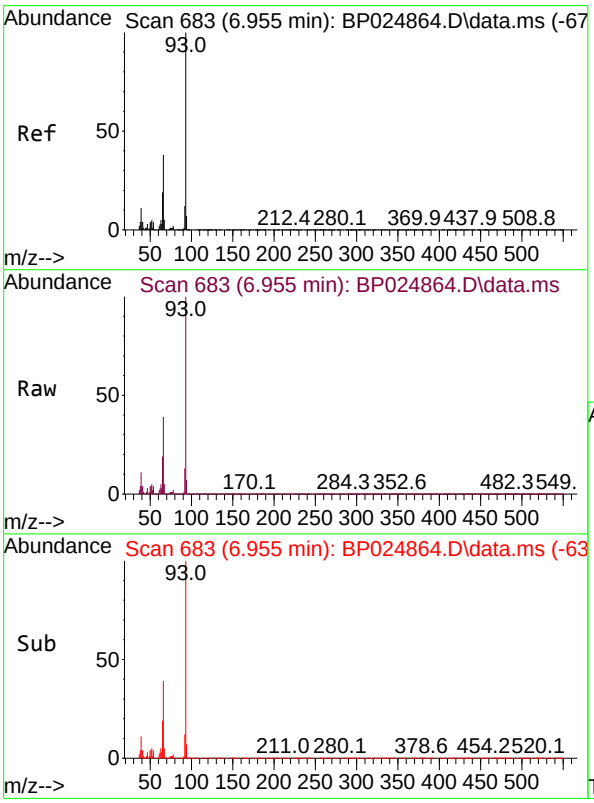
#5
2-Fluorophenol
Concen: 77.670 ng
RT: 5.243 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 1170028

Ion	Ratio	Lower	Upper
112	100		
64	55.9	44.7	67.1
63	29.4	23.5	35.3

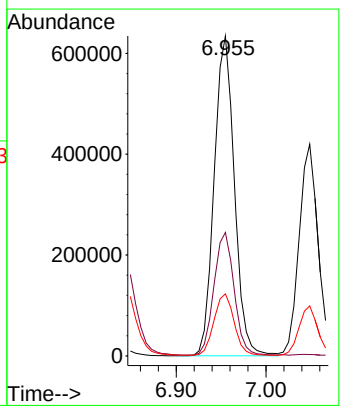


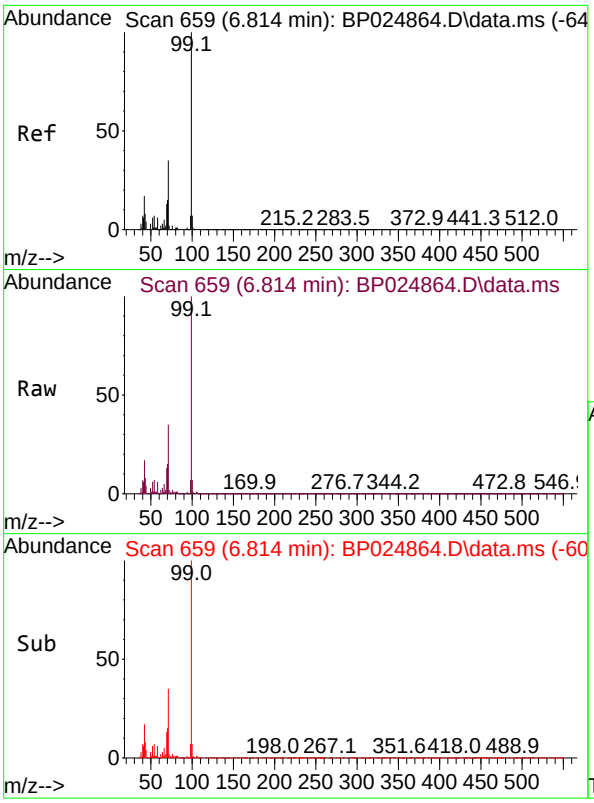


#6
Aniline
Concen: 39.106 ng
RT: 6.955 min Scan# 683
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion: 93 Resp: 994688

Ion	Ratio	Lower	Upper
93	100		
66	38.6	30.9	46.3
65	19.4	15.5	23.3



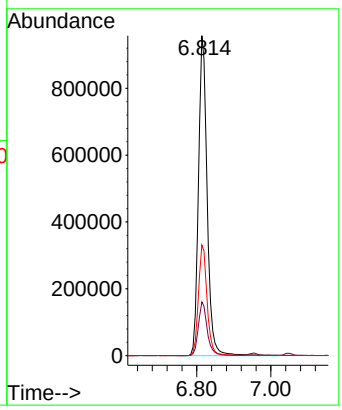


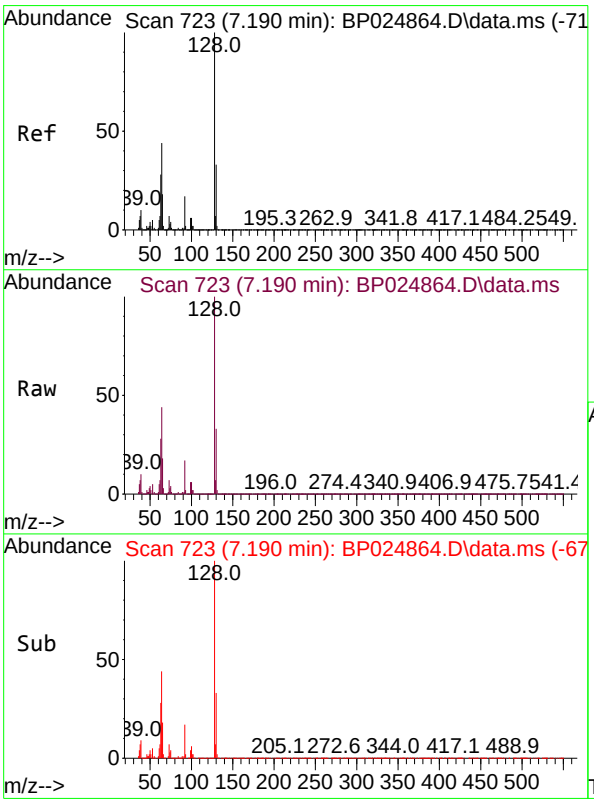
#7
Phenol-d6
Concen: 77.952 ng
RT: 6.814 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 1553699

Ion	Ratio	Lower	Upper
99	100		
42	16.8	13.4	20.2
71	34.5	27.6	41.4

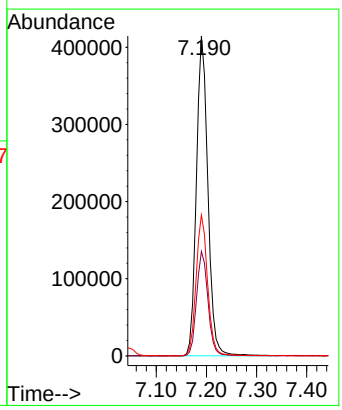


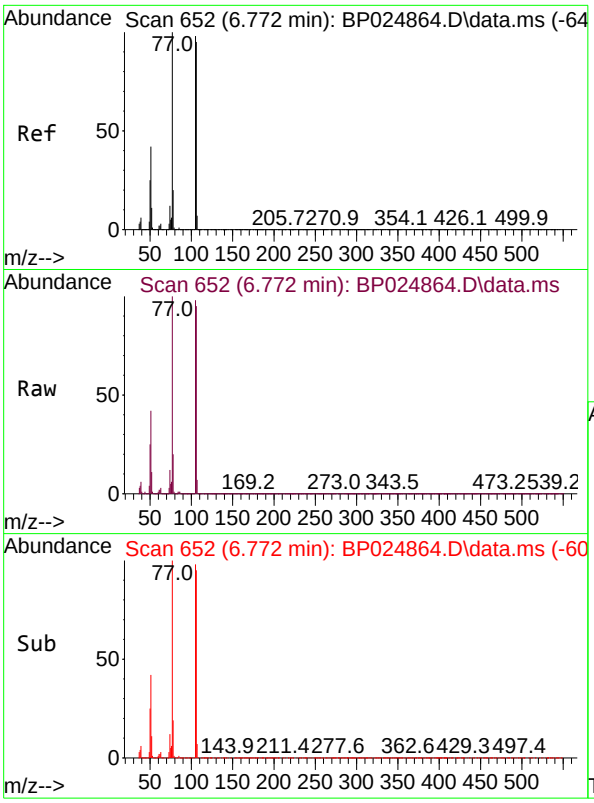


#8
2-Chlorophenol
Concen: 38.685 ng
RT: 7.190 min Scan# 723
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:128 Resp: 660632

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.6	52.6
64	44.1	24.1	64.1



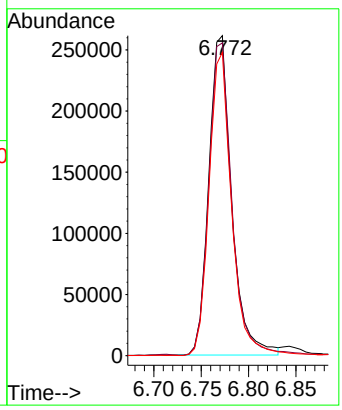


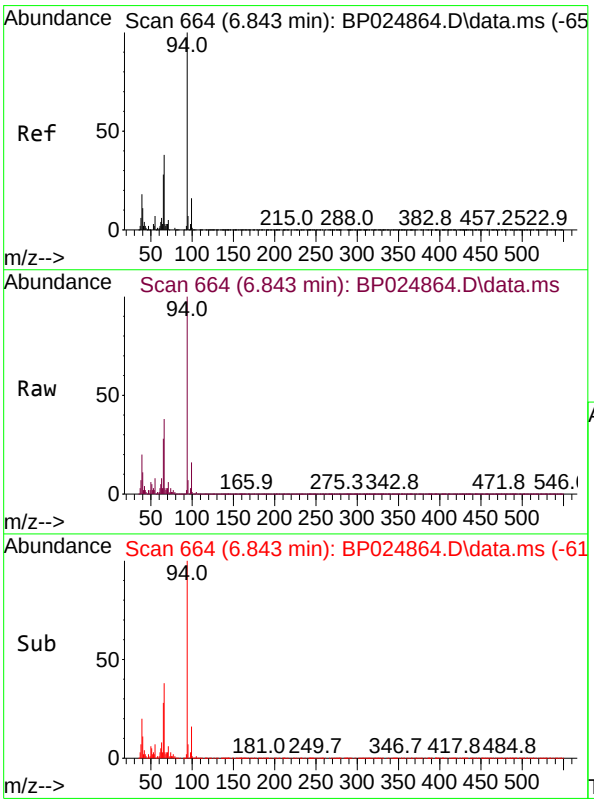
#9
Benzaldehyde
Concen: 38.116 ng
RT: 6.772 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 439137

Ion	Ratio	Lower	Upper
77	100		
105	97.7	77.7	117.7
106	94.8	74.8	114.8

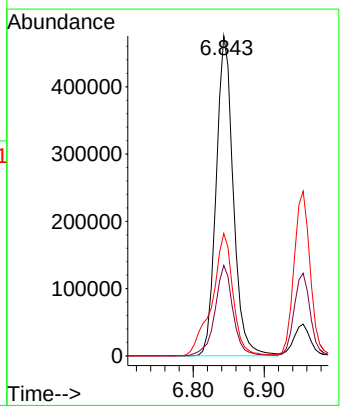


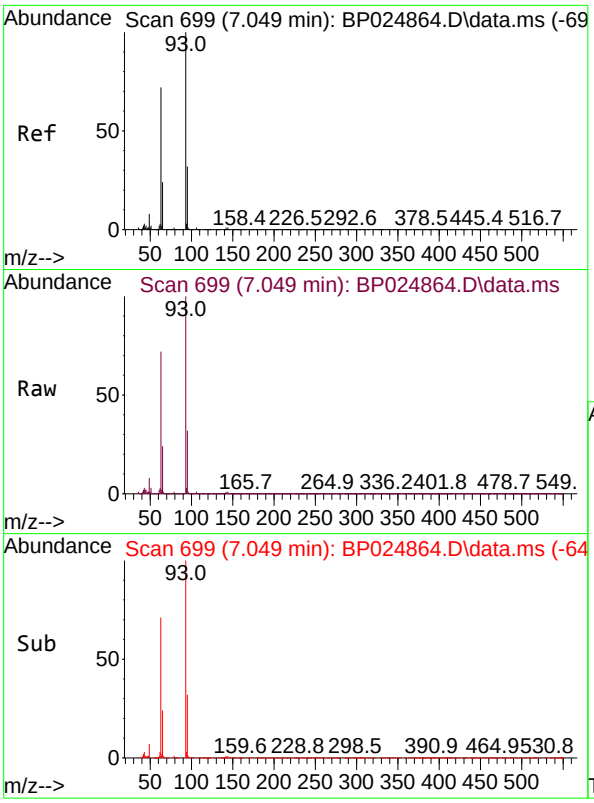


#10
Phenol
Concen: 38.853 ng
RT: 6.843 min Scan# 664
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion: 94 Resp: 798315

Ion	Ratio	Lower	Upper
94	100		
65	28.3	8.3	48.3
66	38.2	18.2	58.2



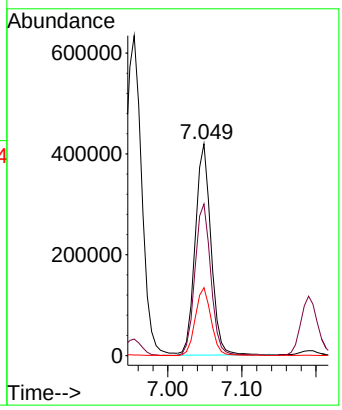


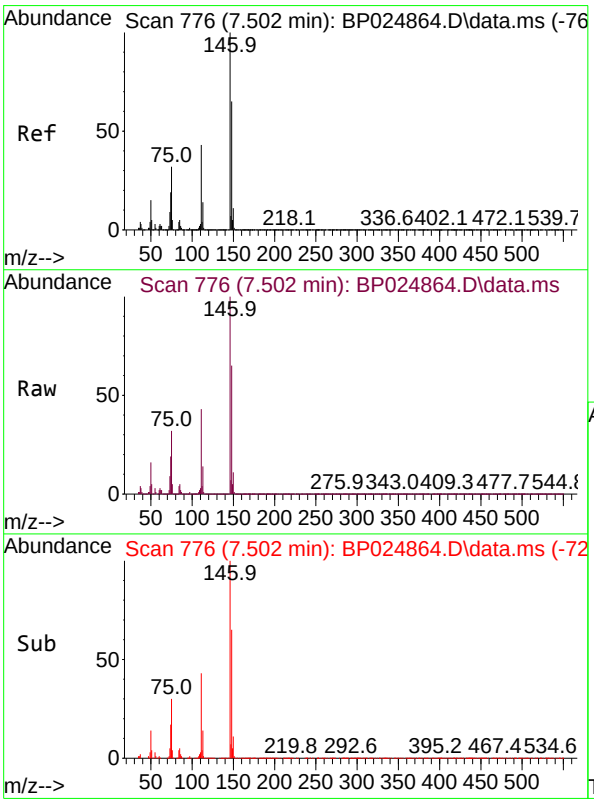
#11
bis(2-Chloroethyl)ether
Concen: 38.406 ng
RT: 7.049 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 620674

Ion	Ratio	Lower	Upper
93	100		
63	71.6	51.6	91.6
95	32.1	12.1	52.1

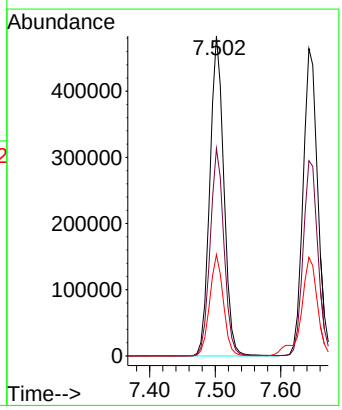


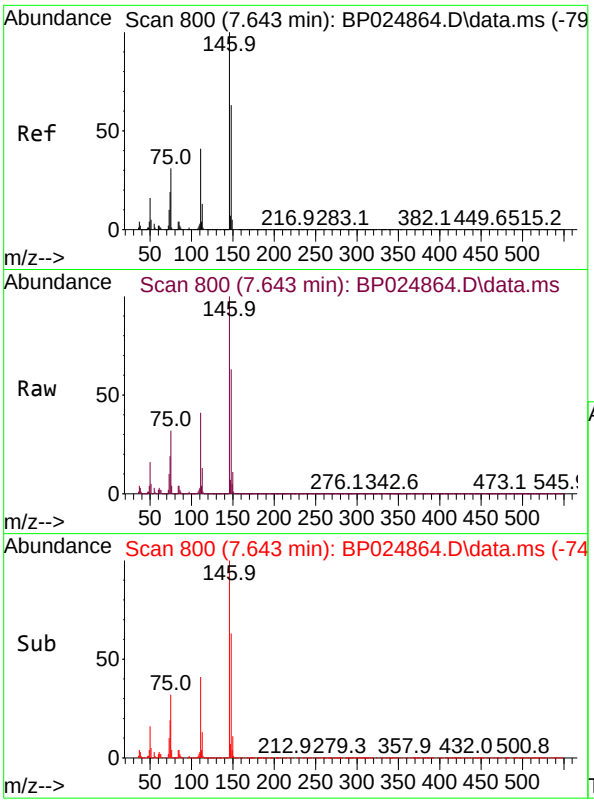


#12
1,3-Dichlorobenzene
Concen: 37.610 ng
RT: 7.502 min Scan# 776
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:146 Resp: 716511

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.8	77.8
75	31.6	25.3	37.9



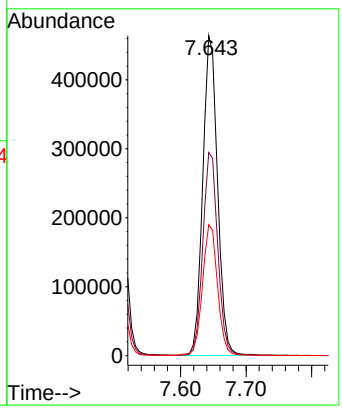


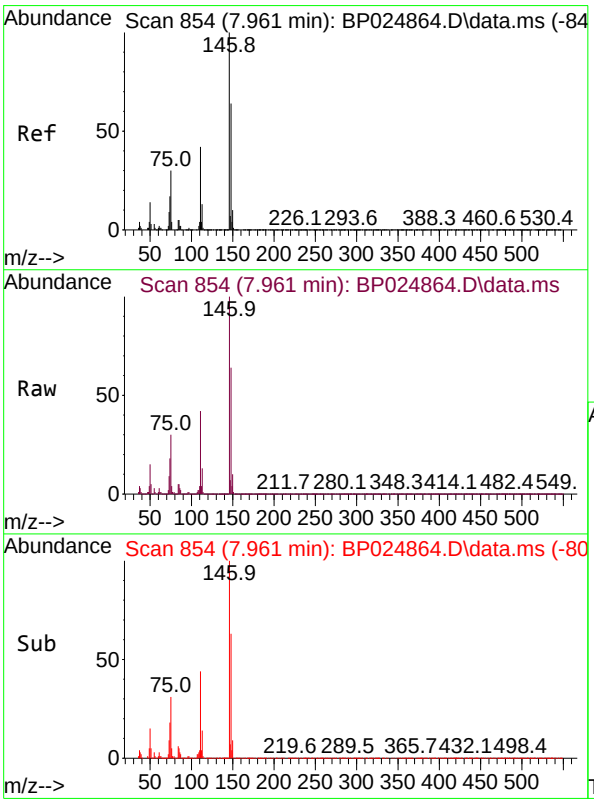
#13
1,4-Dichlorobenzene
Concen: 37.635 ng
RT: 7.643 min Scan# 80
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 723440

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.8	76.2
111	40.9	32.7	49.1

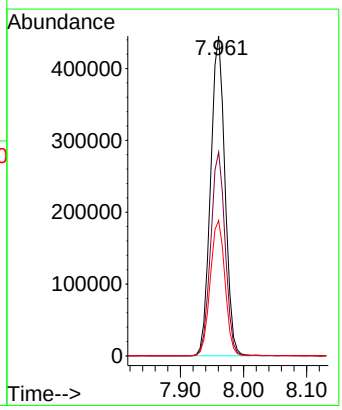


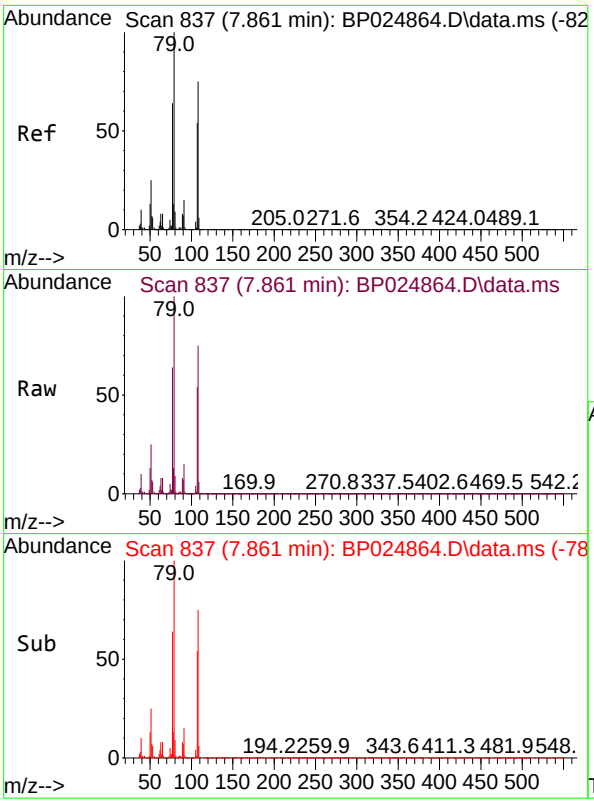


#14
1,2-Dichlorobenzene
Concen: 37.326 ng
RT: 7.961 min Scan# 854
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:146 Resp: 704548

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.4
111	42.3	33.8	50.8



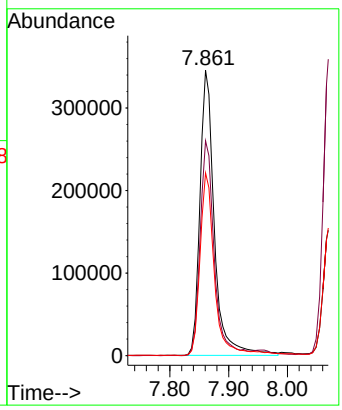


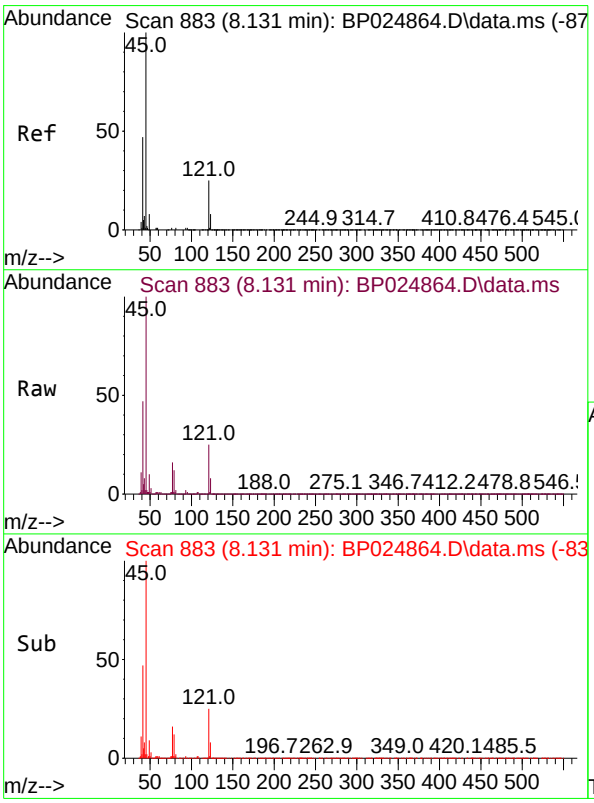
#15
Benzyl Alcohol
Concen: 38.458 ng
RT: 7.861 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 588293

Ion	Ratio	Lower	Upper
79	100		
108	75.3	60.2	90.4
77	64.0	51.2	76.8

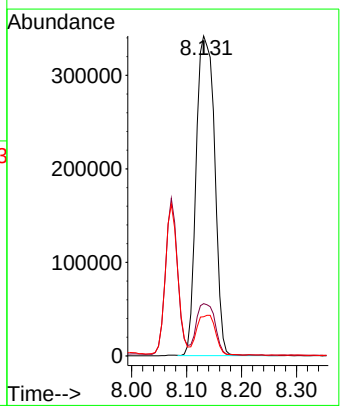


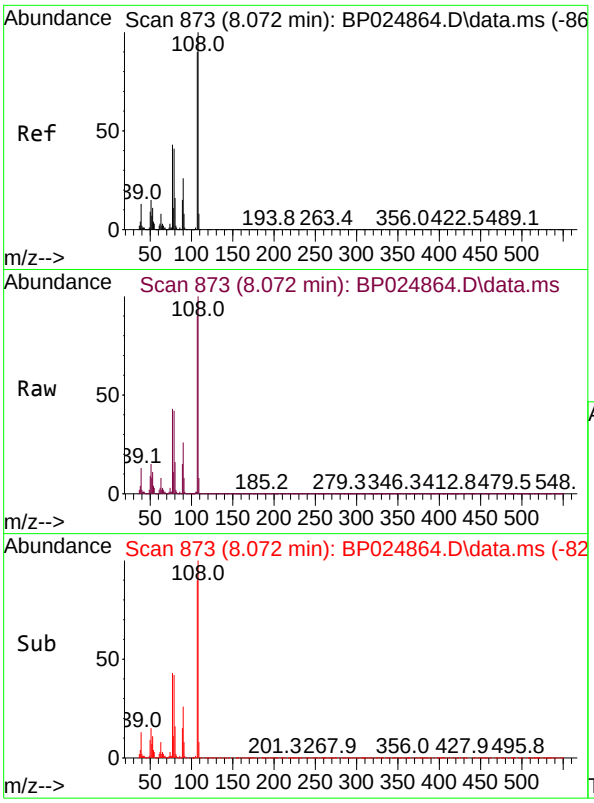


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.629 ng
RT: 8.131 min Scan# 883
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion: 45 Resp: 795933

Ion	Ratio	Lower	Upper
45	100		
77	16.3	0.0	36.3
79	12.2	0.0	32.2



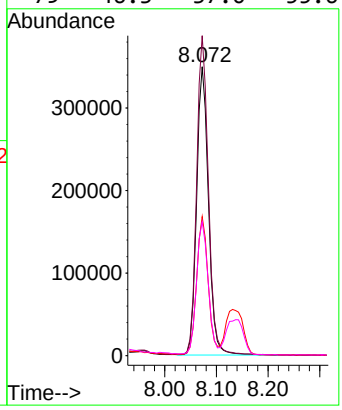


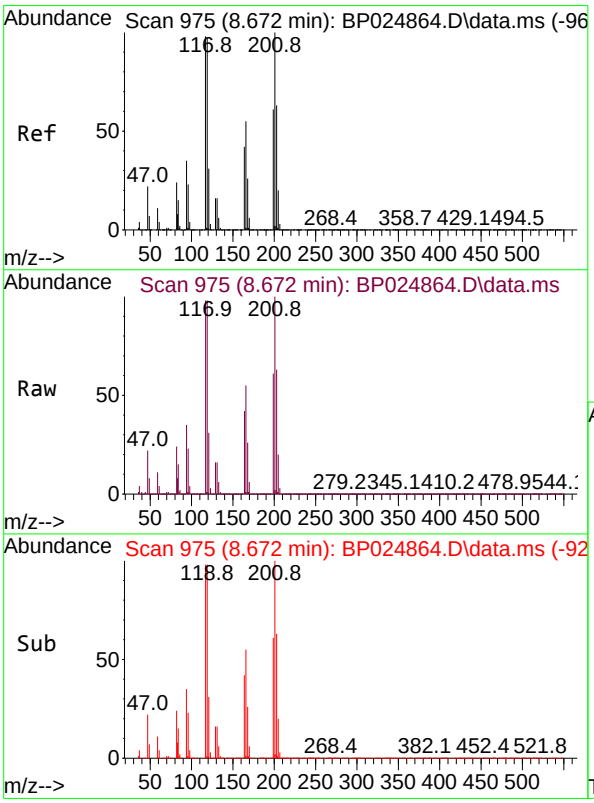
#17
2-Methylphenol
Concen: 38.764 ng
RT: 8.072 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 556193

Ion	Ratio	Lower	Upper
107	100		
108	110.7	88.6	132.8
77	48.1	38.5	57.7
79	46.3	37.0	55.6

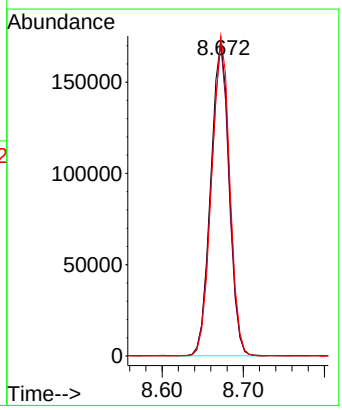


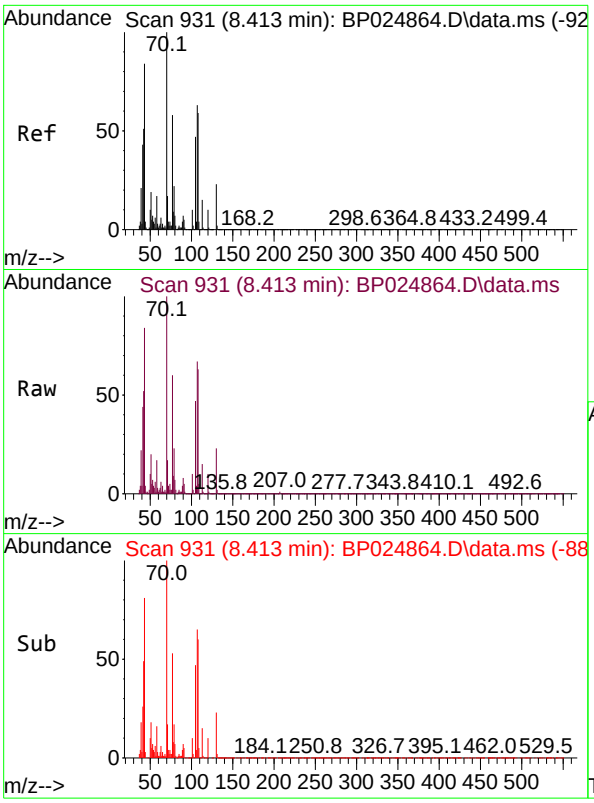


#18
Hexachloroethane
Concen: 37.878 ng
RT: 8.672 min Scan# 975
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:117 Resp: 274123

Ion	Ratio	Lower	Upper
117	100		
119	99.3	79.4	119.2
201	101.8	81.4	122.2



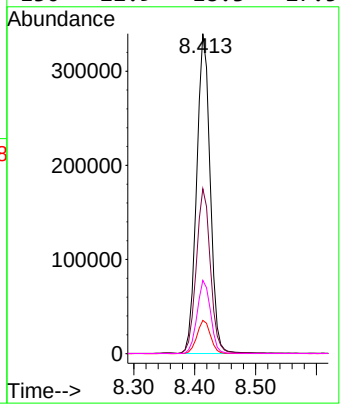


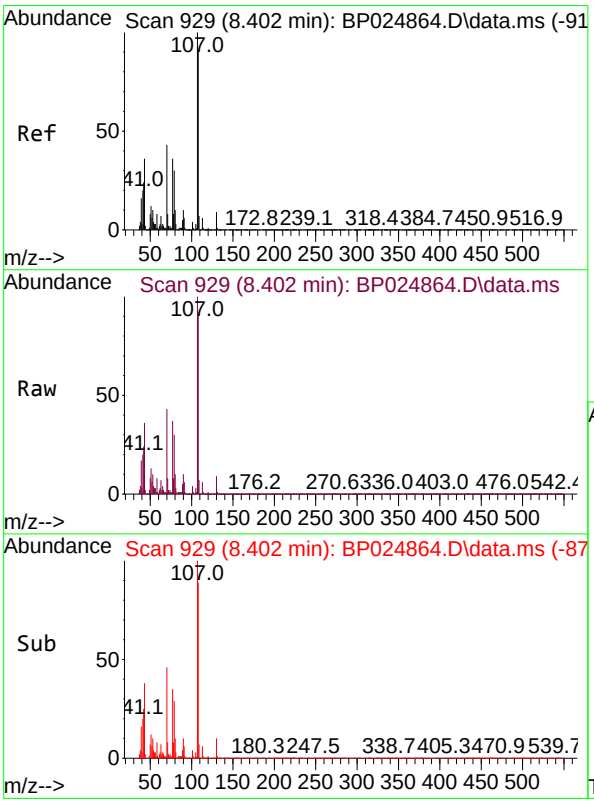
#19
n-Nitroso-di-n-propylamine
Concen: 38.693 ng
RT: 8.413 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 524279

Ion	Ratio	Lower	Upper
70	100		
42	51.5	41.2	61.8
101	10.4	8.3	12.5
130	22.9	18.3	27.5

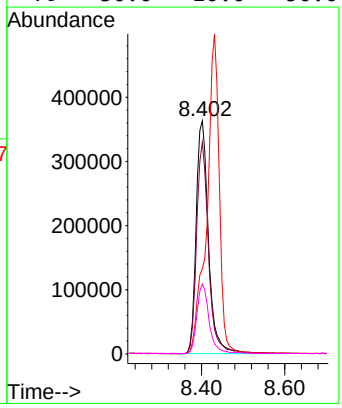


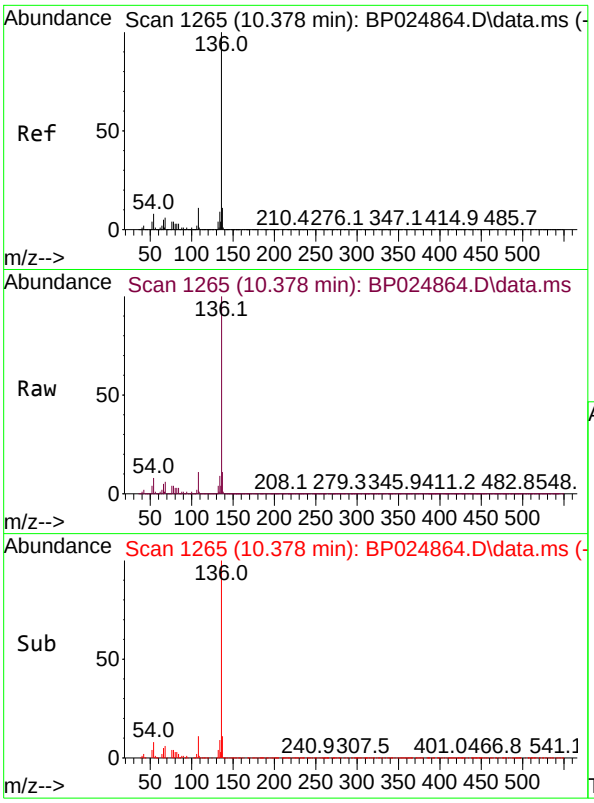


#20
3+4-Methylphenols
Concen: 38.365 ng
RT: 8.402 min Scan# 929
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:107 Resp: 751025

Ion	Ratio	Lower	Upper
107	100		
108	90.7	70.7	110.7
77	36.6	16.6	56.6
79	30.0	10.0	50.0



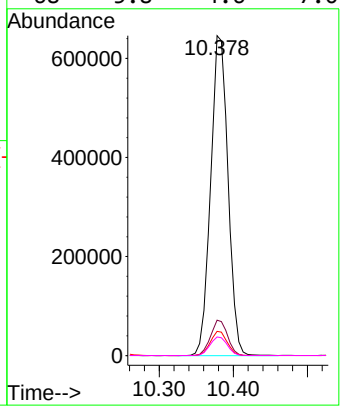


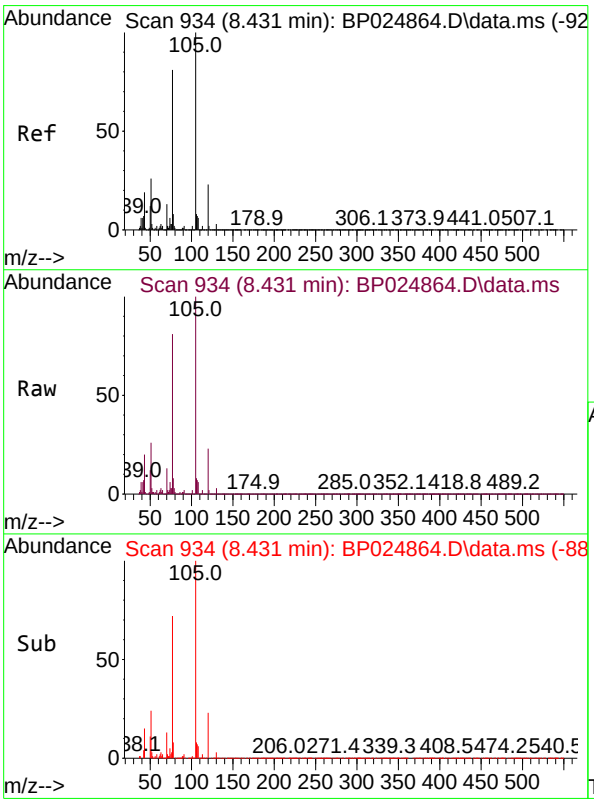
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 1050030

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.6	6.1	9.1
68	5.8	4.6	7.0

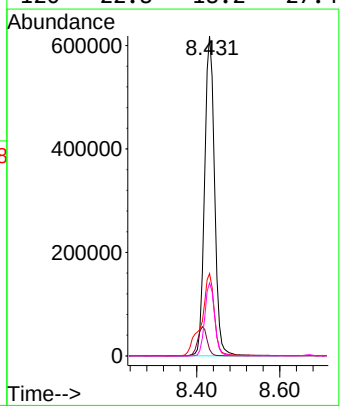


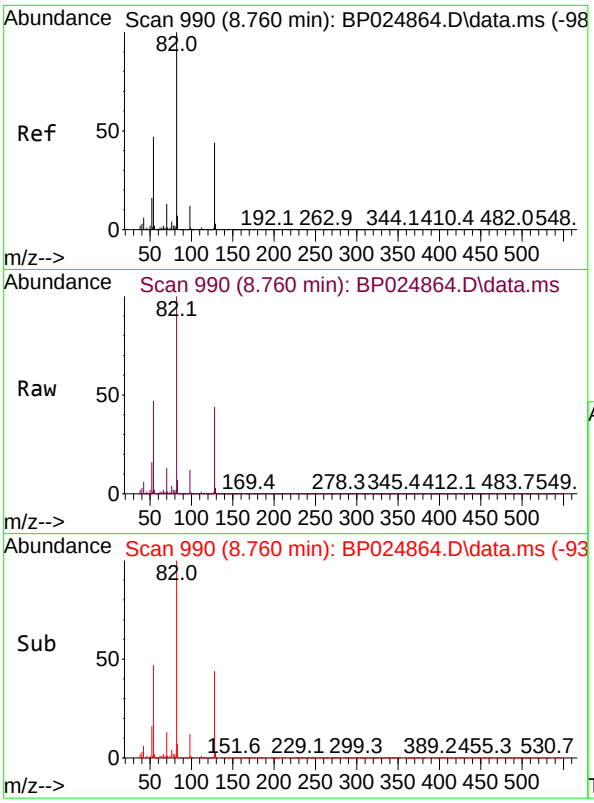


#22
Acetophenone
Concen: 38.828 ng
RT: 8.431 min Scan# 934
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:105 Resp: 1030093

Ion	Ratio	Lower	Upper
105	100		
71	2.0	1.6	2.4
51	25.8	20.6	31.0
120	22.8	18.2	27.4



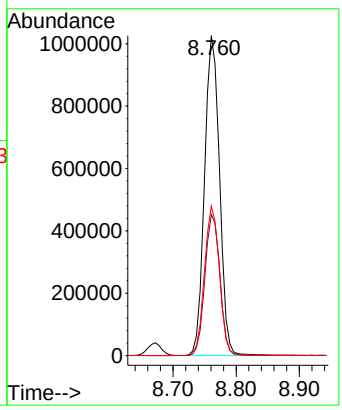


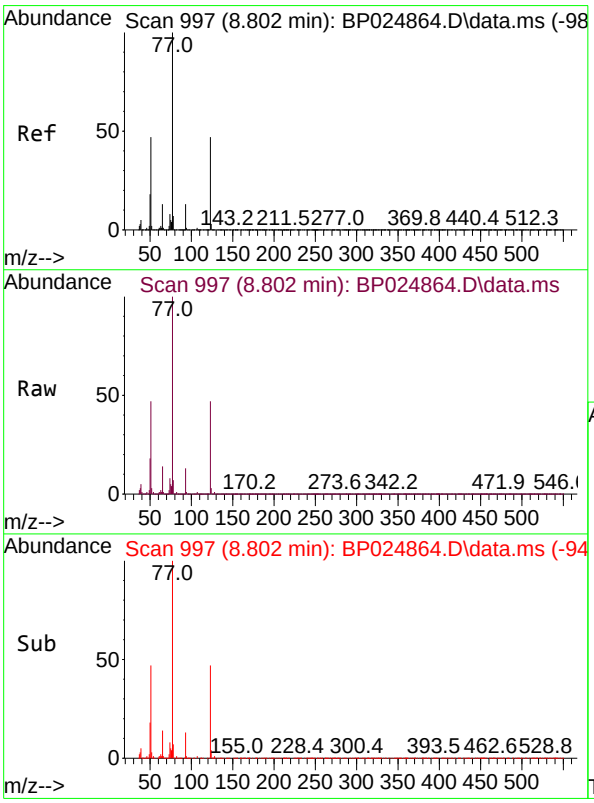
#23
Nitrobenzene-d5
Concen: 78.486 ng
RT: 8.760 min Scan# 99
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1695972

Ion	Ratio	Lower	Upper
82	100		
128	44.1	35.3	52.9
54	46.7	37.4	56.0

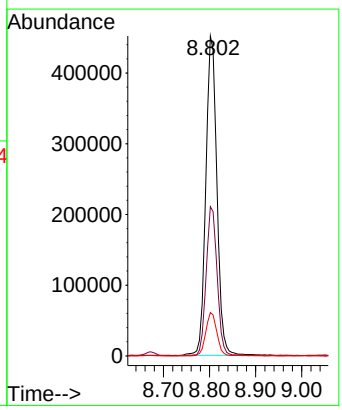


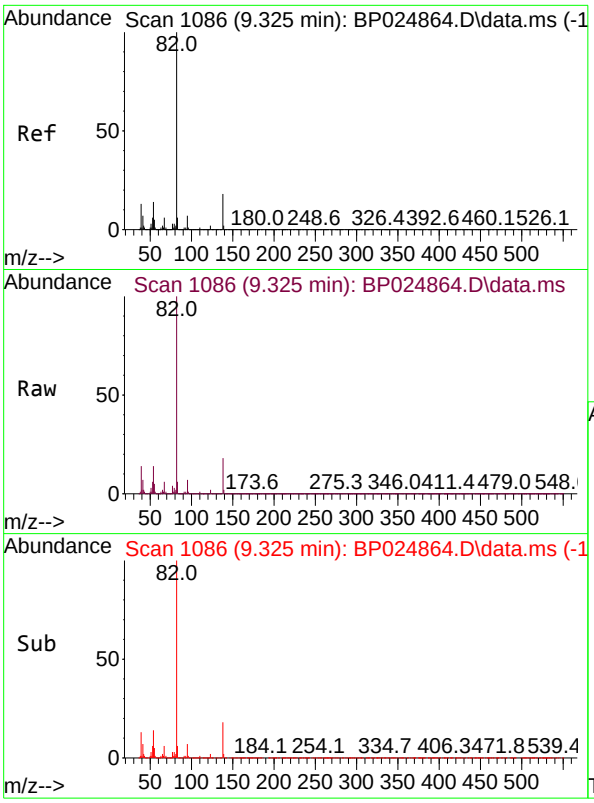


#24
Nitrobenzene
Concen: 39.362 ng
RT: 8.802 min Scan# 997
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion: 77 Resp: 755619

Ion	Ratio	Lower	Upper
77	100		
123	46.6	37.3	55.9
65	13.5	10.8	16.2



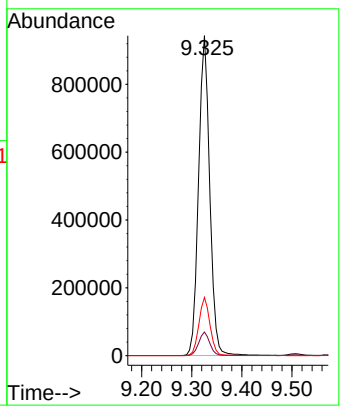


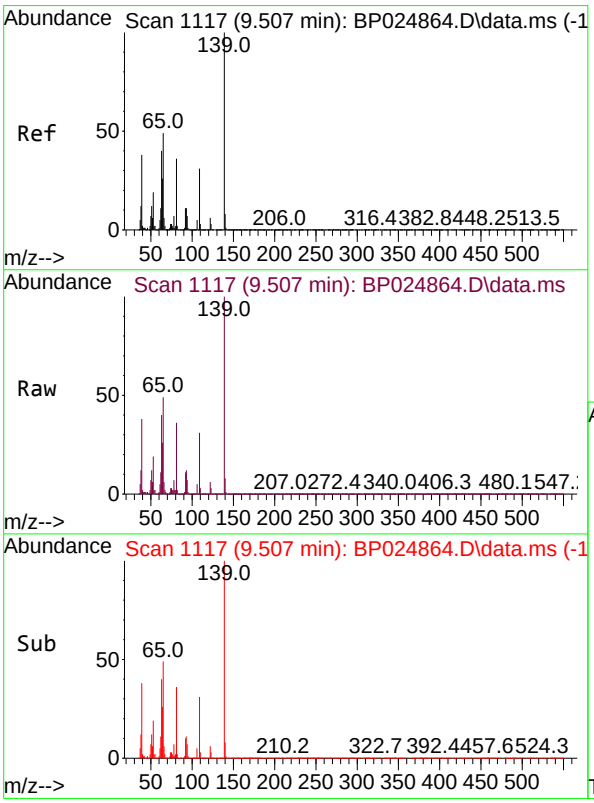
#25
Isophorone
Concen: 38.927 ng
RT: 9.325 min Scan# 10
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1457812

Ion	Ratio	Lower	Upper
82	100		
95	7.4	5.9	8.9
138	18.2	14.6	21.8

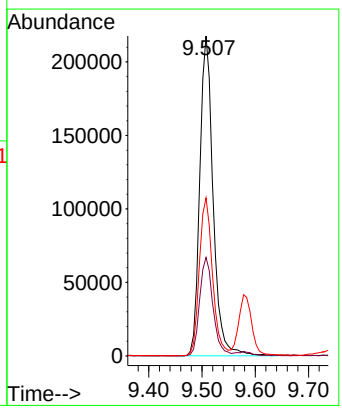


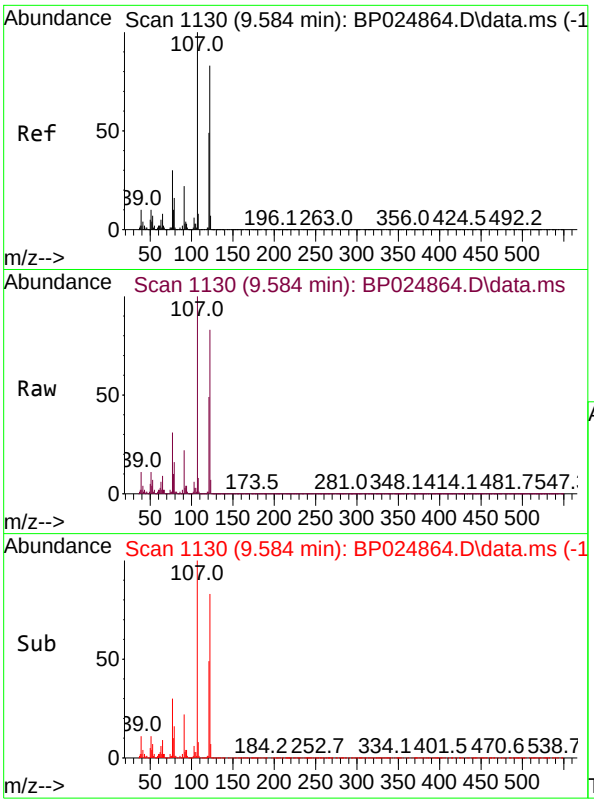


#26
2-Nitrophenol
Concen: 39.996 ng
RT: 9.507 min Scan# 1117
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:139 Resp: 378834

Ion	Ratio	Lower	Upper
139	100		
109	30.8	24.6	37.0
65	49.4	39.5	59.3



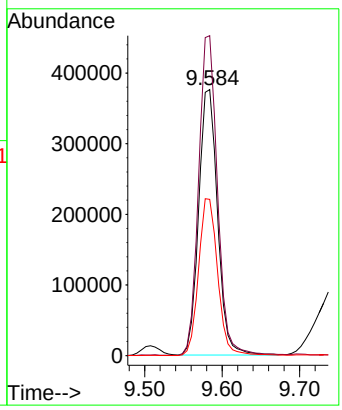


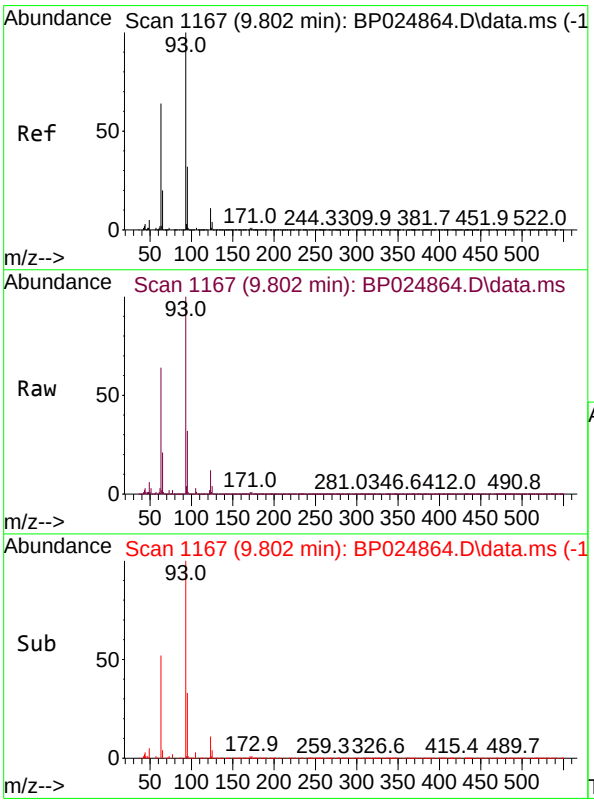
#27
2,4-Dimethylphenol
Concen: 39.219 ng
RT: 9.584 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 635763

Ion	Ratio	Lower	Upper
122	100		
107	120.3	96.2	144.4
121	58.7	47.0	70.4

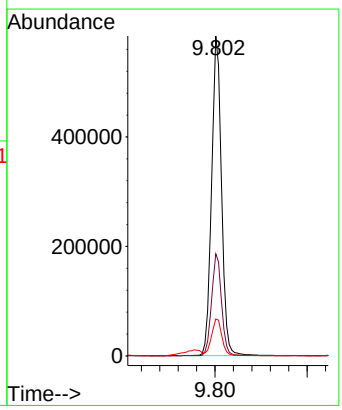


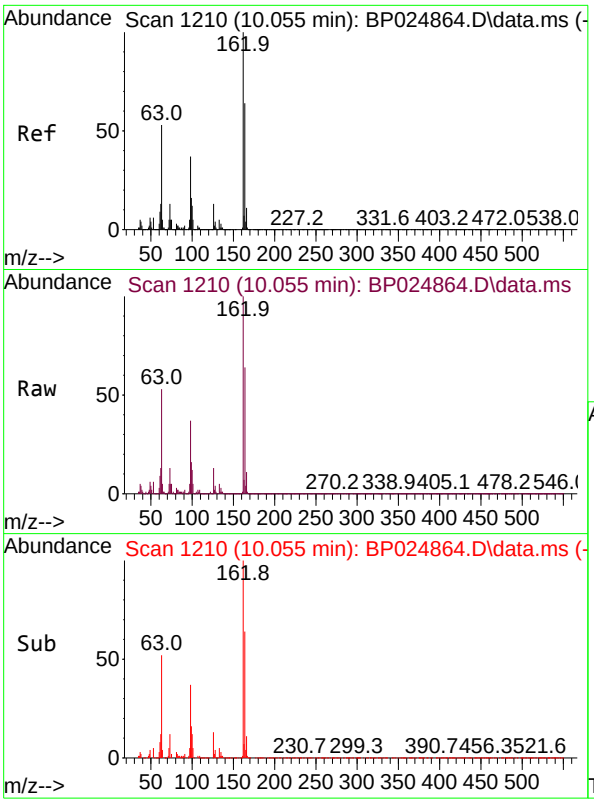


#28
bis(2-Chloroethoxy)methane
Concen: 38.880 ng
RT: 9.802 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion: 93 Resp: 868569

Ion	Ratio	Lower	Upper
93	100		
95	31.9	25.5	38.3
123	11.5	9.2	13.8



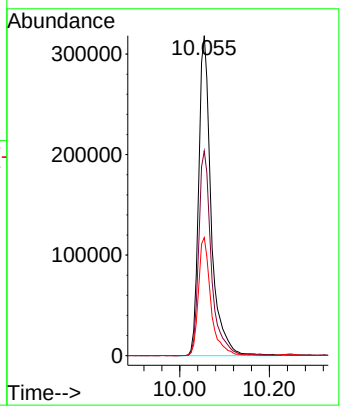


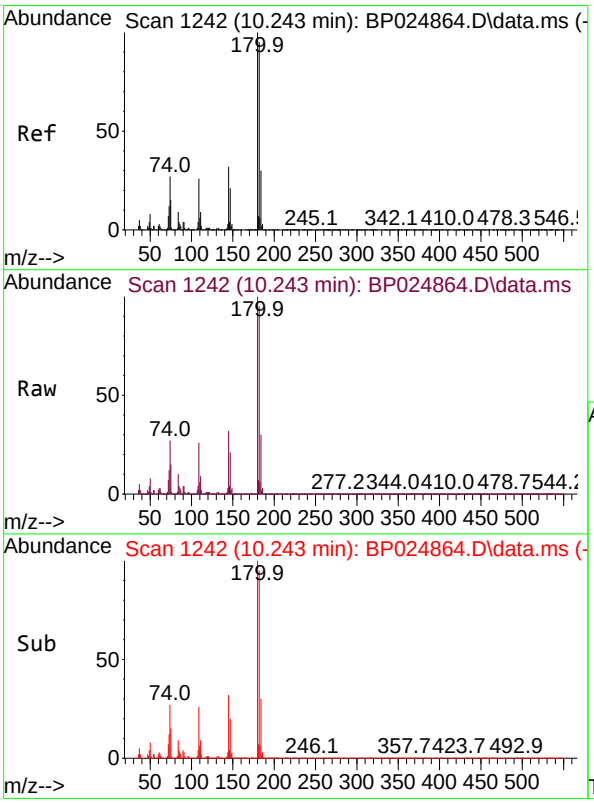
#29
2,4-Dichlorophenol
Concen: 39.412 ng
RT: 10.055 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 613013

Ion	Ratio	Lower	Upper
162	100		
164	64.0	44.0	84.0
98	36.9	16.9	56.9

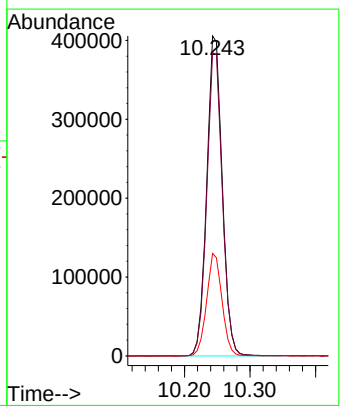


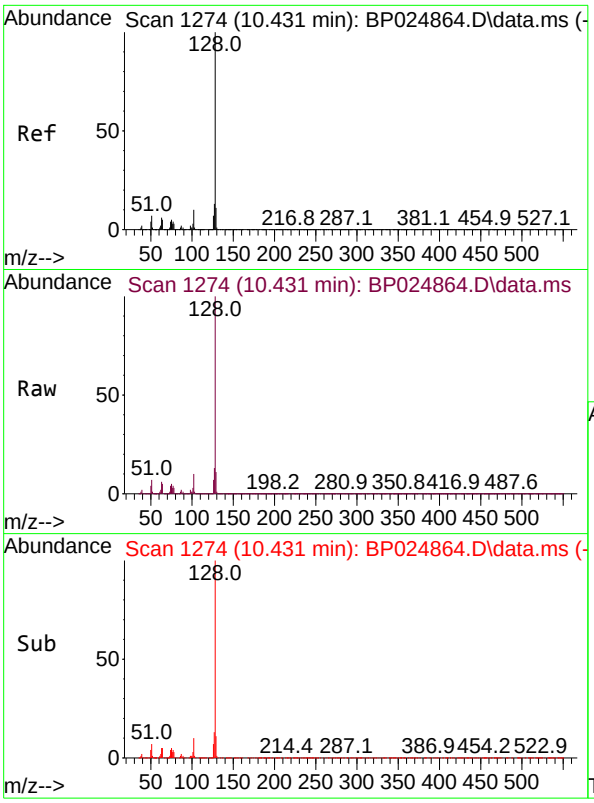


#30
1,2,4-Trichlorobenzene
Concen: 37.930 ng
RT: 10.243 min Scan# 1242
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:180 Resp: 665418

Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.8	113.6
145	32.1	25.7	38.5



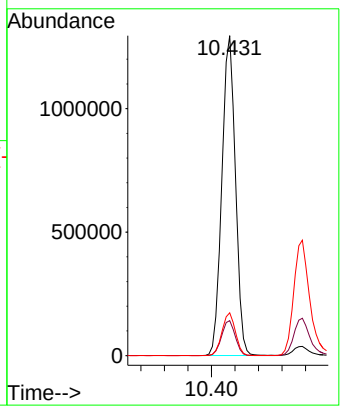


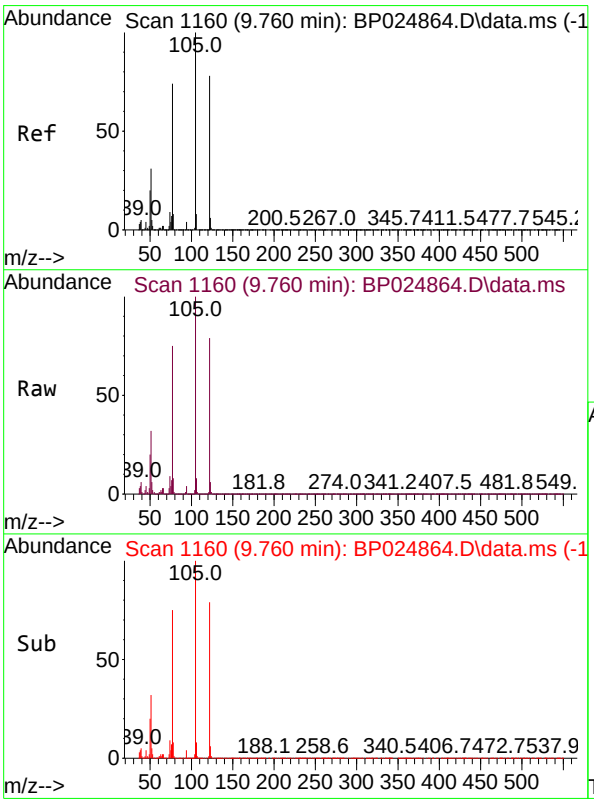
#31
Naphthalene
Concen: 38.617 ng
RT: 10.431 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 2077988

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.4	10.7	16.1

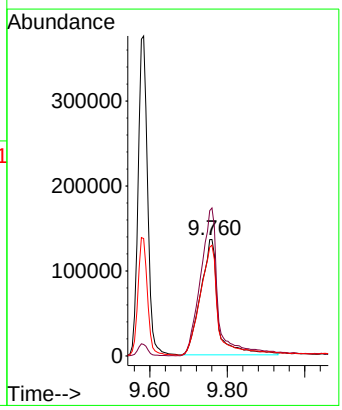


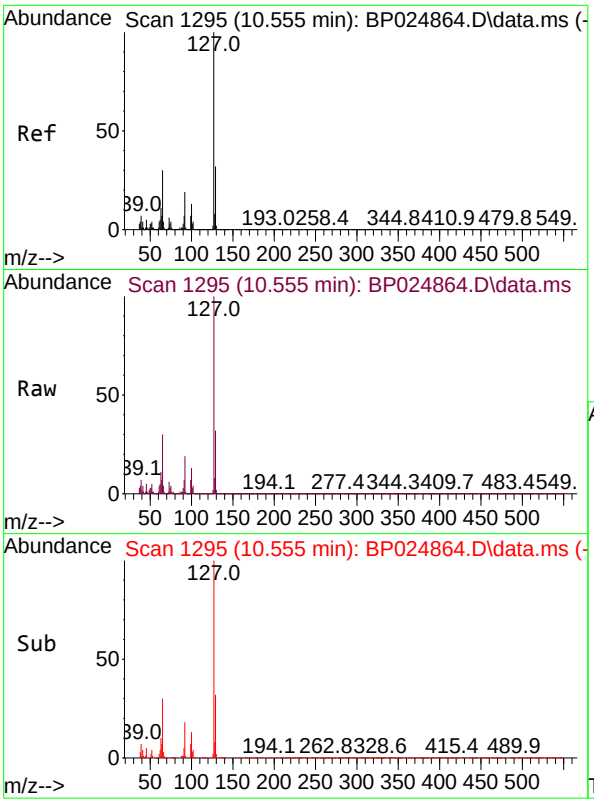


#32
Benzoic acid
Concen: 39.629 ng
RT: 9.760 min Scan# 1160
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:122 Resp: 428303

Ion	Ratio	Lower	Upper
122	100		
105	127.1	107.1	147.1
77	95.1	75.1	115.1



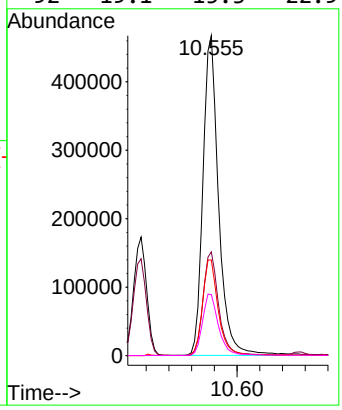


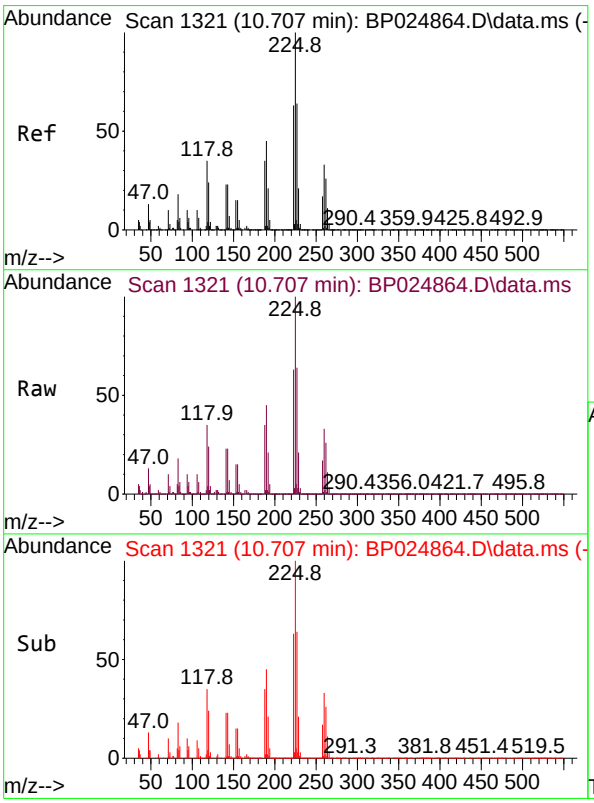
#33
4-Chloroaniline
Concen: 39.641 ng
RT: 10.555 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 893683

Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.9	38.9
65	29.9	23.9	35.9
92	19.1	15.3	22.9

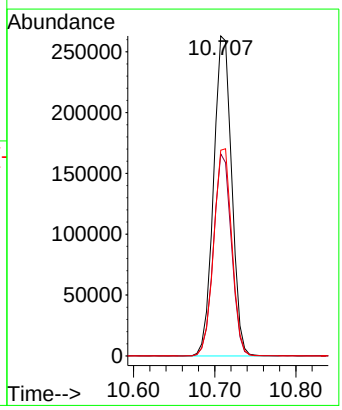


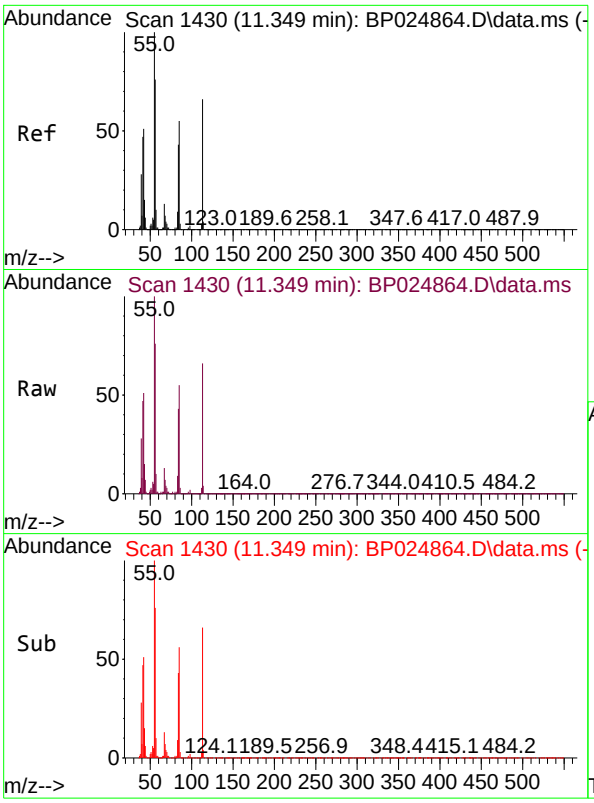


#34
Hexachlorobutadiene
Concen: 38.500 ng
RT: 10.707 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:225 Resp: 407084

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.5	75.7
227	64.3	51.4	77.2



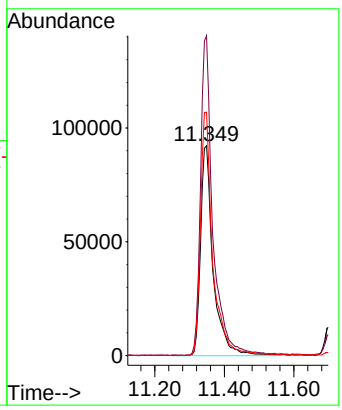


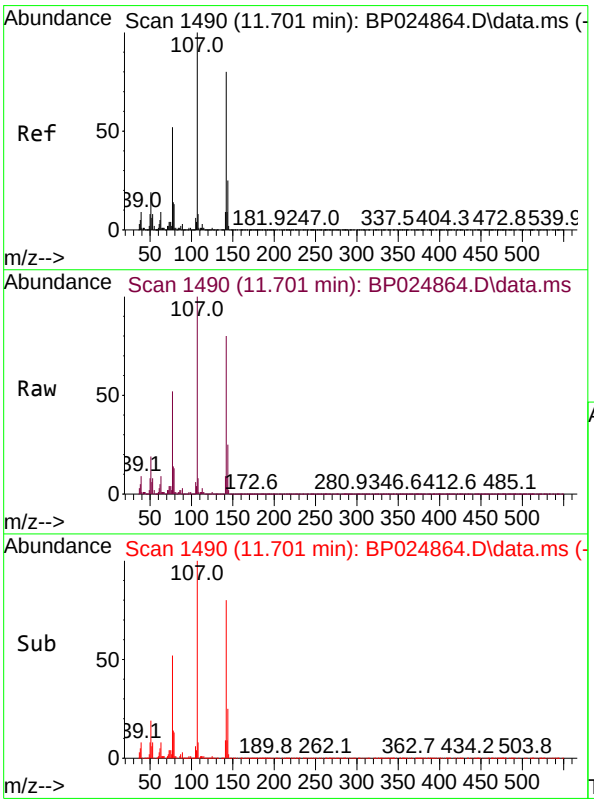
#35
Caprolactam
Concen: 40.293 ng
RT: 11.349 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 230696

Ion	Ratio	Lower	Upper
113	100		
55	152.5	132.5	172.5
56	116.0	96.0	136.0

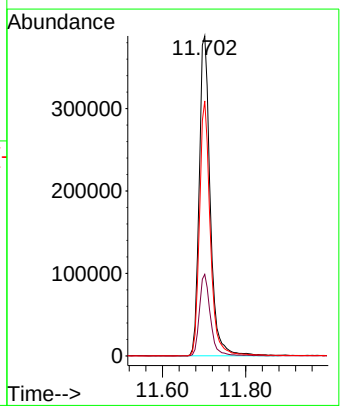


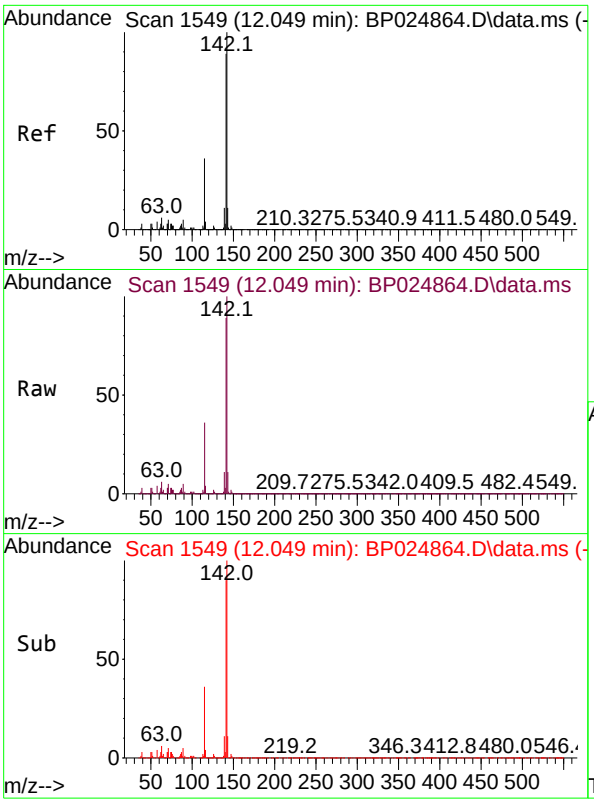


#36
4-Chloro-3-methylphenol
Concen: 39.885 ng
RT: 11.701 min Scan# 1490
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:107 Resp: 715549

Ion	Ratio	Lower	Upper
107	100		
144	25.5	20.4	30.6
142	79.7	63.8	95.6



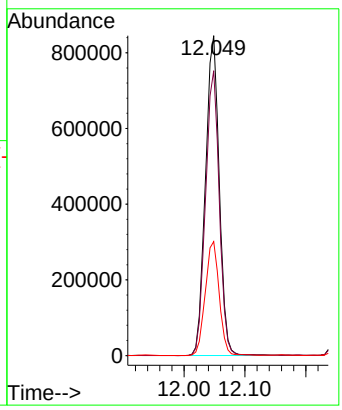


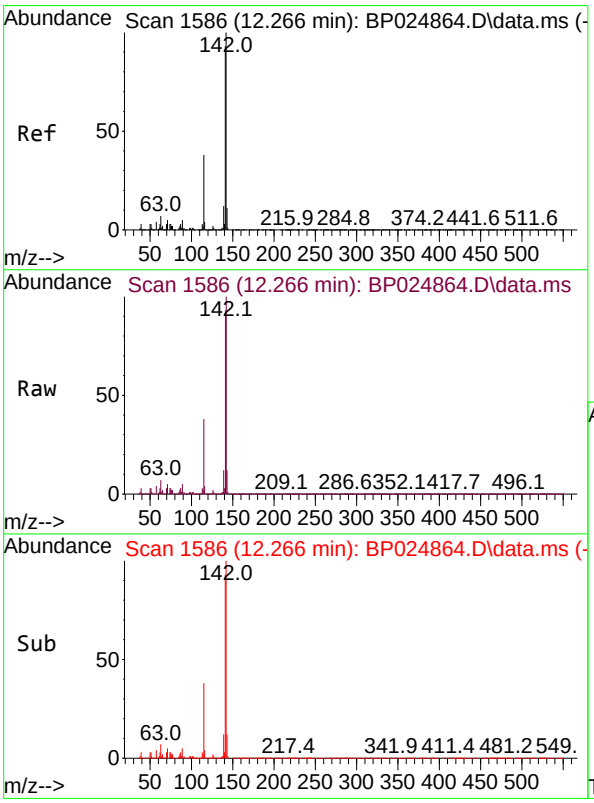
#37
2-Methylnaphthalene
Concen: 38.973 ng
RT: 12.049 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 1330251

Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.2	106.8
115	35.6	28.5	42.7

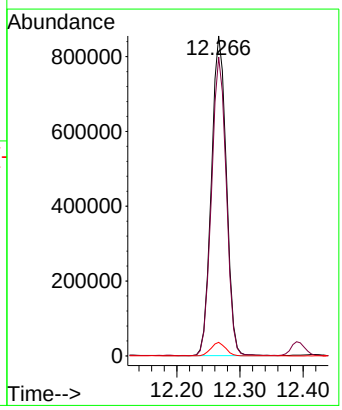


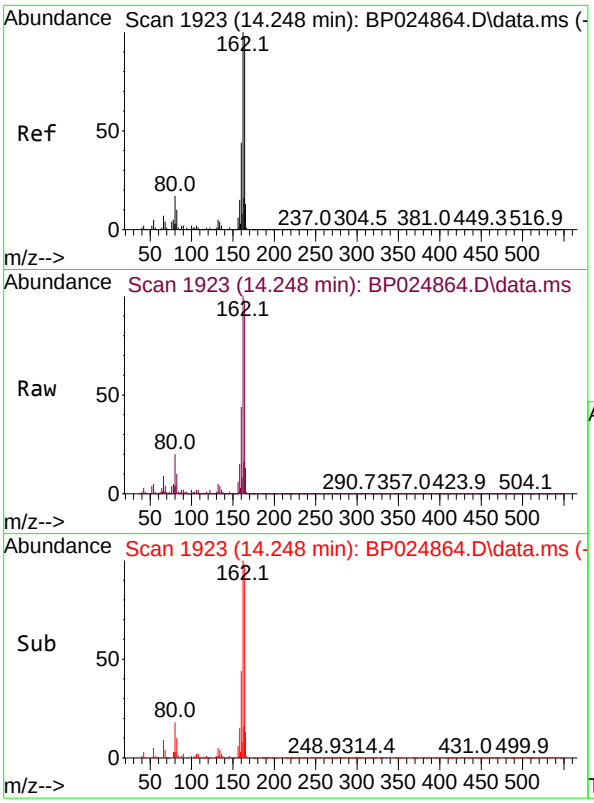


#38
1-Methylnaphthalene
Concen: 38.606 ng
RT: 12.266 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:142 Resp: 1408803

Ion	Ratio	Lower	Upper
142	100		
141	93.4	74.7	112.1
116	4.2	3.4	5.0



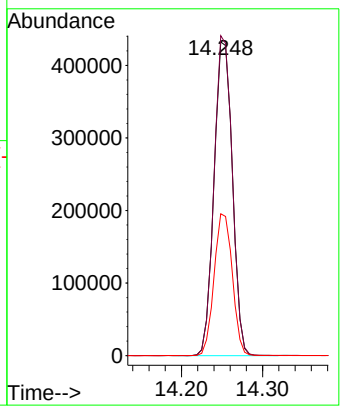


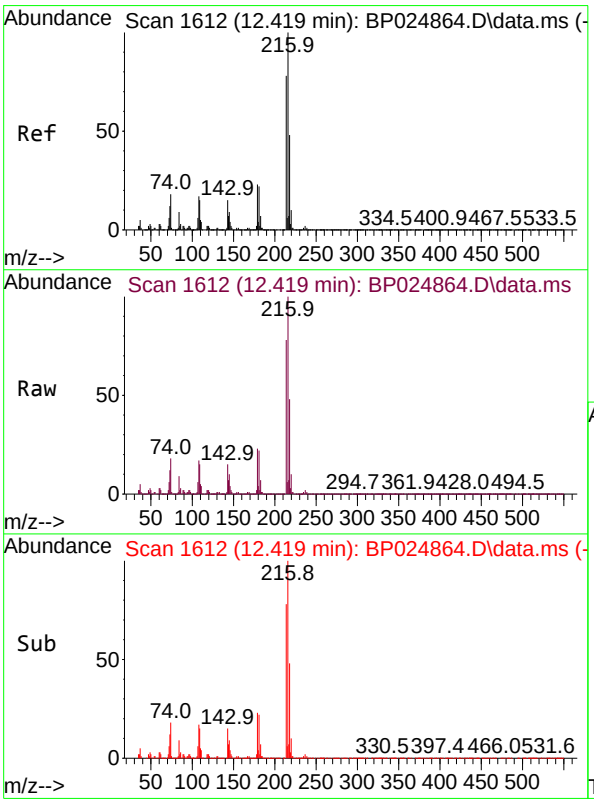
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.248 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 679122

Ion	Ratio	Lower	Upper
164	100		
162	102.0	81.6	122.4
160	45.2	36.2	54.2

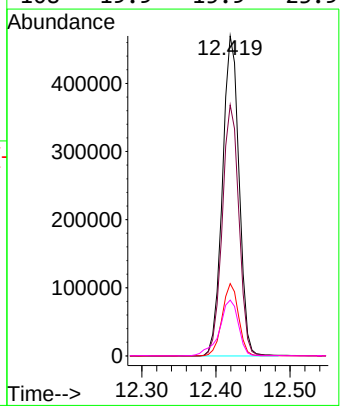


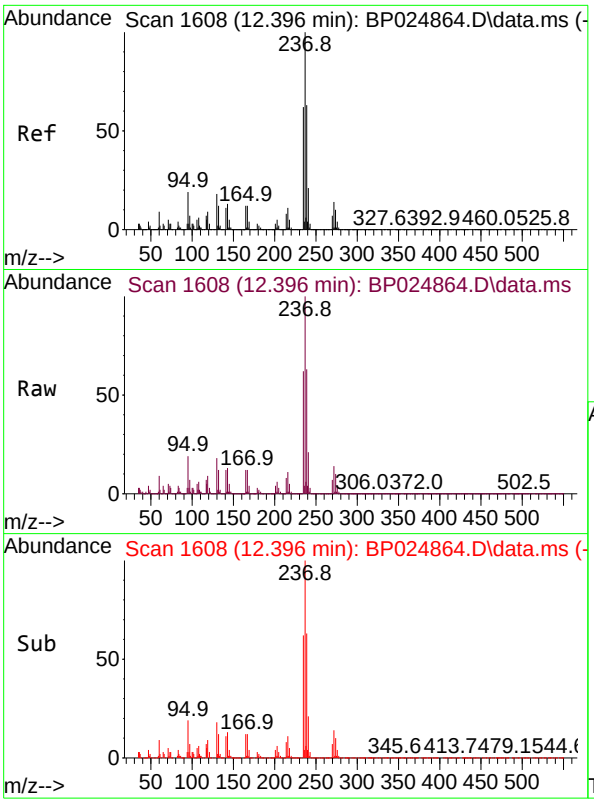


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.947 ng
RT: 12.419 min Scan# 1612
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:216 Resp: 731245

Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.0	94.4
179	22.2	17.8	26.6
108	19.9	15.9	23.9



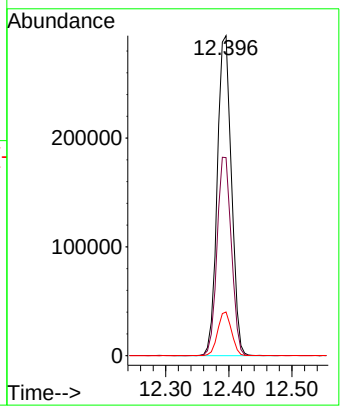


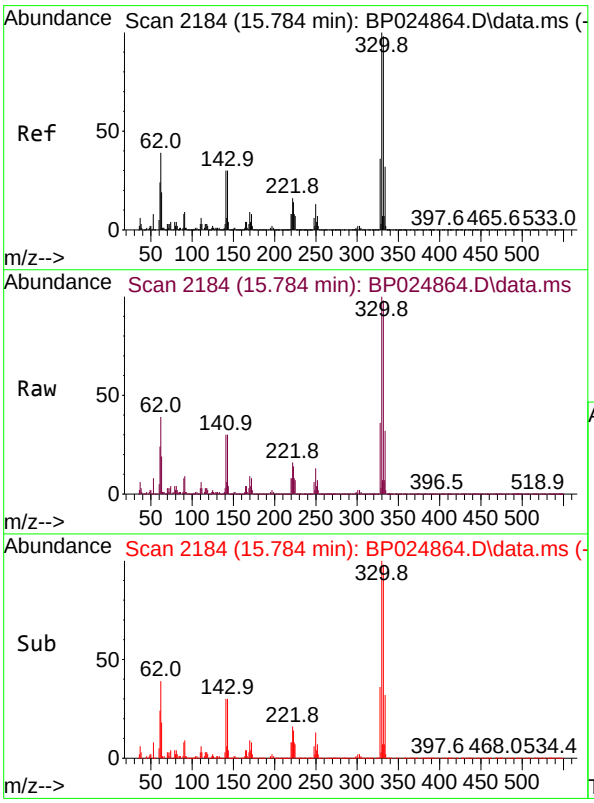
#41
Hexachlorocyclopentadiene
Concen: 38.901 ng
RT: 12.396 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 457226

Ion	Ratio	Lower	Upper
237	100		
235	61.9	41.9	81.9
272	13.7	0.0	33.7

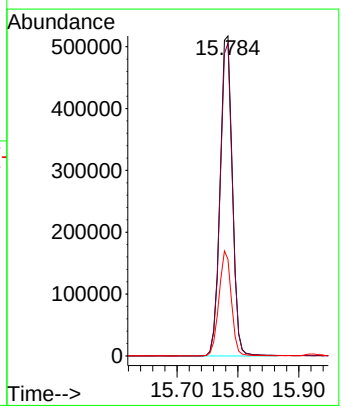


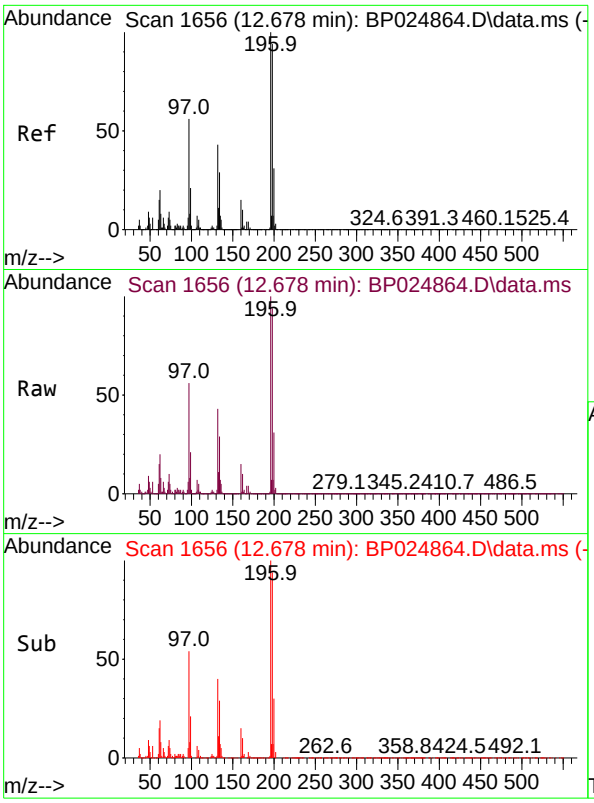


#42
2,4,6-Tribromophenol
Concen: 77.359 ng
RT: 15.784 min Scan# 2184
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:330 Resp: 726339

Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.7	116.5
141	33.0	26.4	39.6



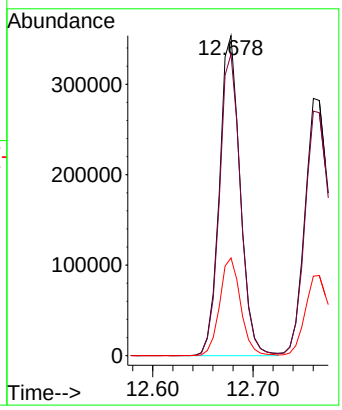


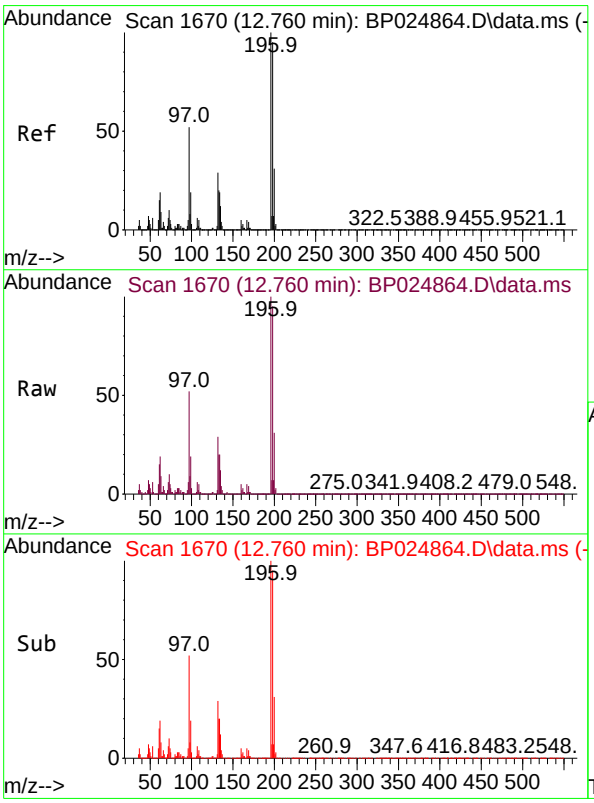
#43
2,4,6-Trichlorophenol
Concen: 39.371 ng
RT: 12.678 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 509510

Ion	Ratio	Lower	Upper
196	100		
198	94.2	75.4	113.0
200	30.5	24.4	36.6

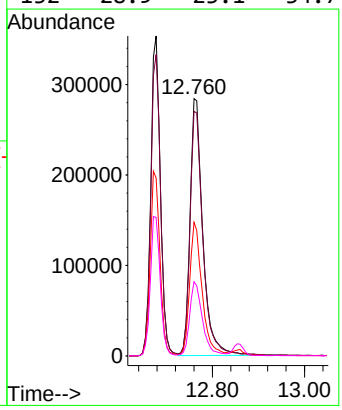


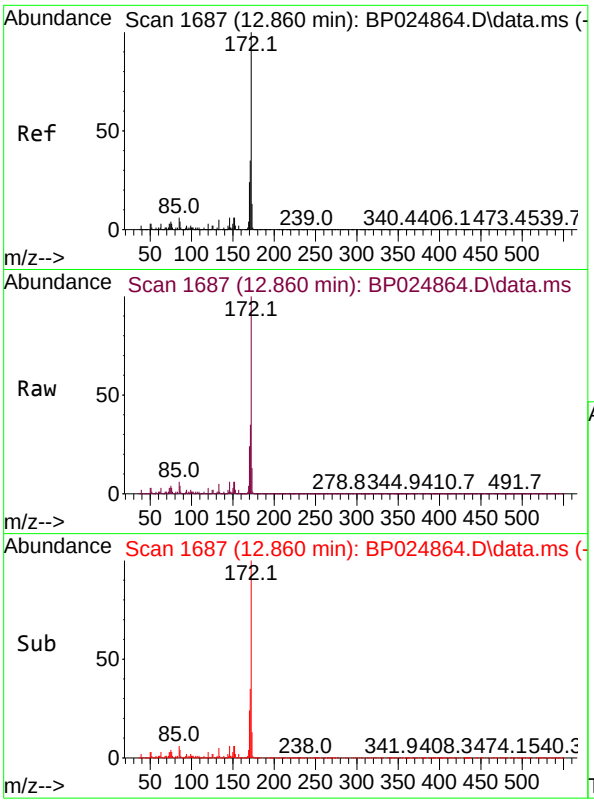


#44
2,4,5-Trichlorophenol
Concen: 39.715 ng
RT: 12.760 min Scan# 1670
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:196 Resp: 550432

Ion	Ratio	Lower	Upper
196	100		
198	95.0	76.0	114.0
97	51.9	41.5	62.3
132	28.9	23.1	34.7



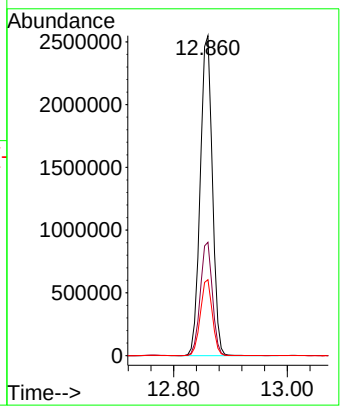


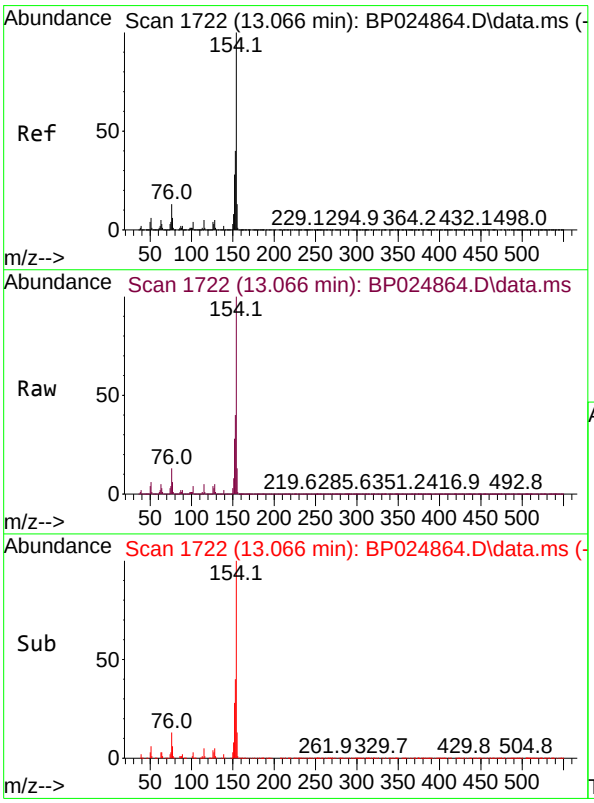
#45
2-Fluorobiphenyl
Concen: 74.904 ng
RT: 12.860 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 3776115

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.3	42.5
170	23.7	19.0	28.4

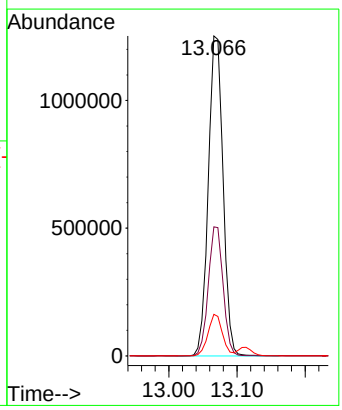


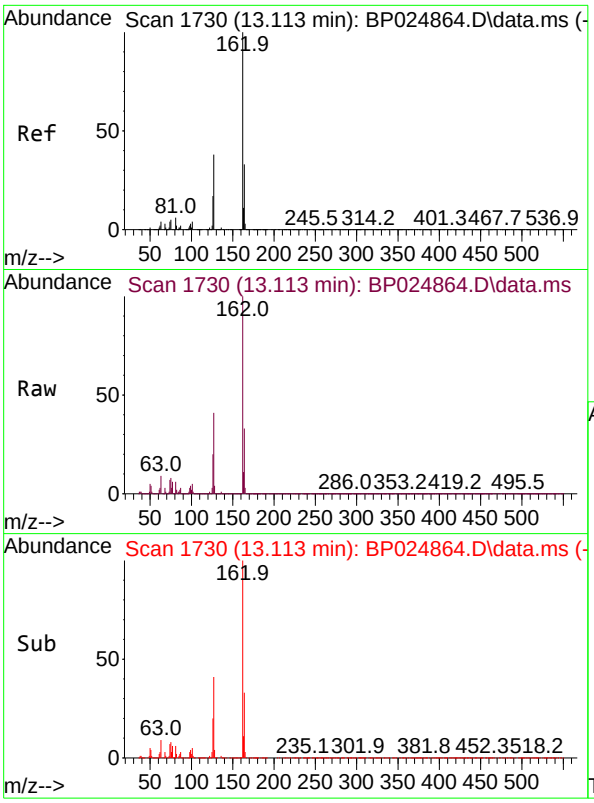


#46
1,1'-Biphenyl
Concen: 38.137 ng
RT: 13.066 min Scan# 1722
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:154 Resp: 1882196

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.3	60.3
76	13.0	0.0	33.0



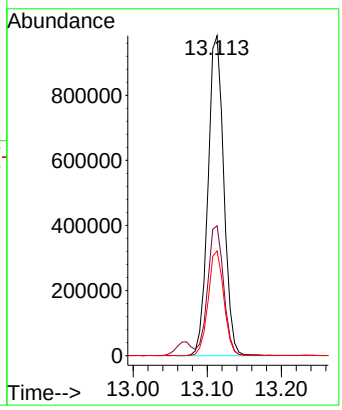


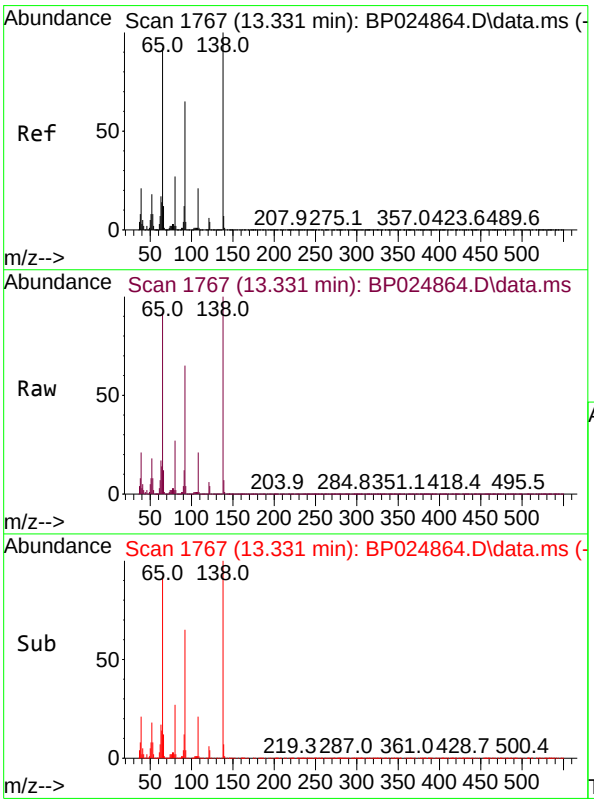
#47
2-Chloronaphthalene
Concen: 38.270 ng
RT: 13.113 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 1451679

Ion	Ratio	Lower	Upper
162	100		
127	40.6	32.5	48.7
164	32.7	26.2	39.2

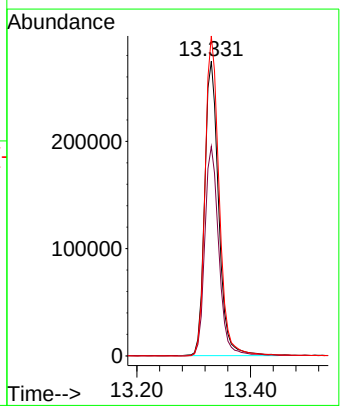


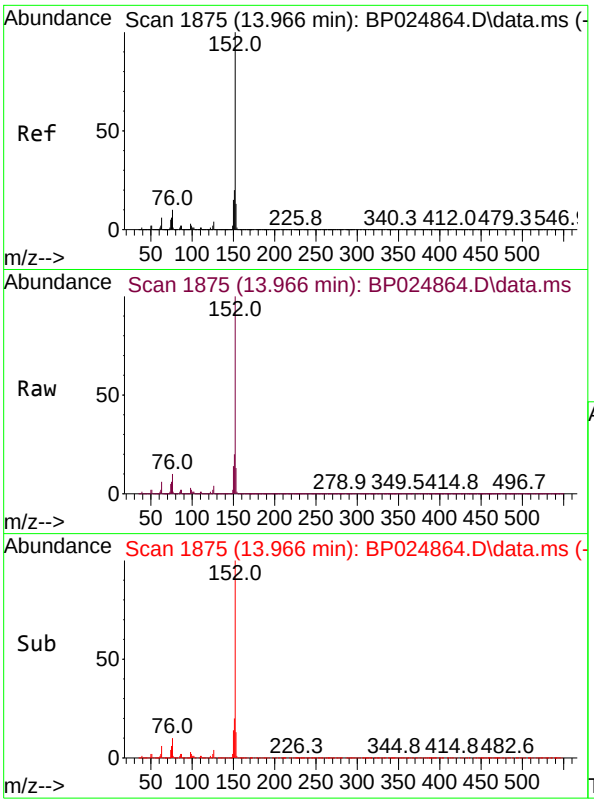


#48
2-Nitroaniline
Concen: 40.328 ng
RT: 13.331 min Scan# 1767
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion: 65 Resp: 470289

Ion	Ratio	Lower	Upper
65	100		
92	71.0	56.8	85.2
138	108.6	86.9	130.3



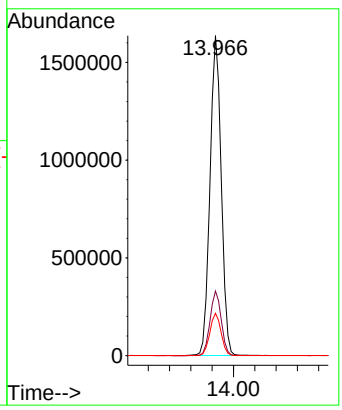


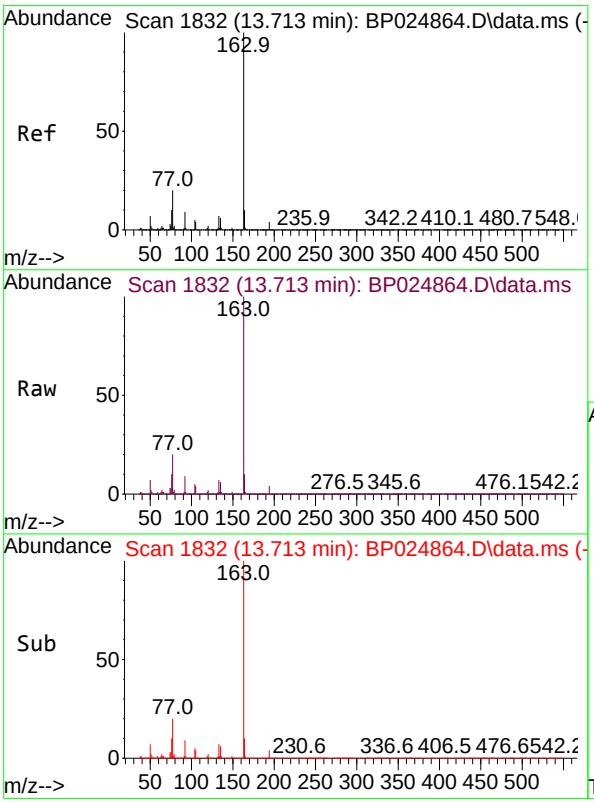
#49
Acenaphthylene
Concen: 37.959 ng
RT: 13.966 min Scan# 18
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 2400804

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	13.2	10.6	15.8

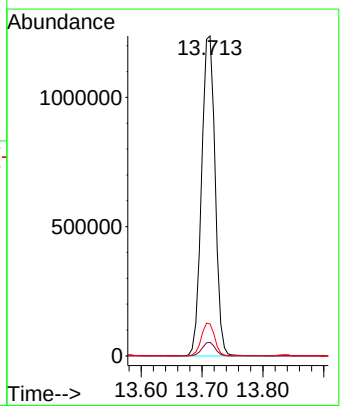


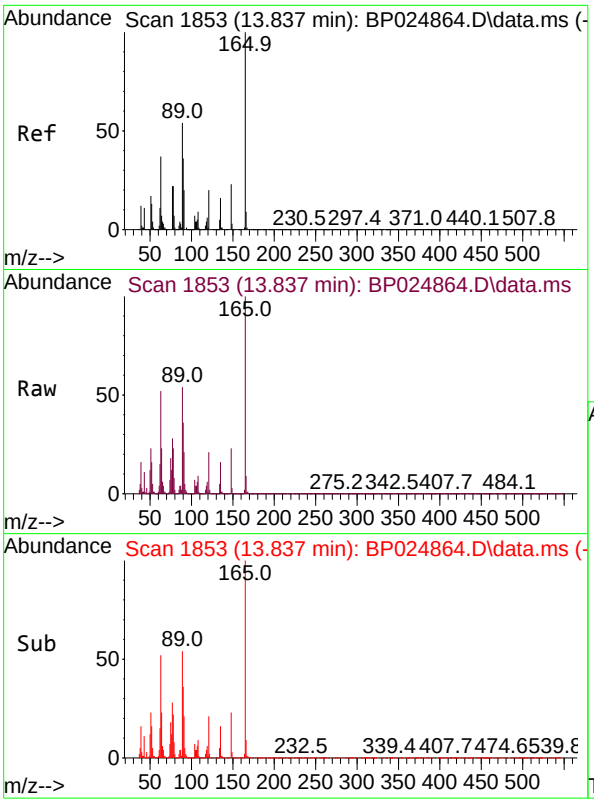


#50
Dimethylphthalate
Concen: 37.969 ng
RT: 13.713 min Scan# 1832
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:163 Resp: 1902136

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.0	8.0	12.0



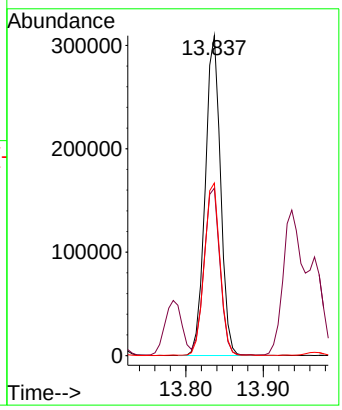


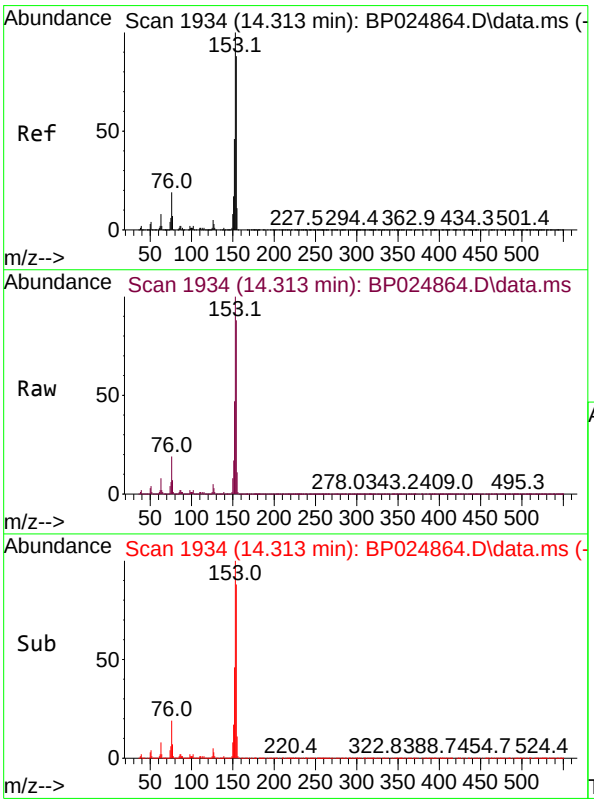
#51
2,6-Dinitrotoluene
Concen: 39.280 ng
RT: 13.837 min Scan# 18
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 424228

Ion	Ratio	Lower	Upper
165	100		
63	52.3	41.8	62.8
89	53.9	43.1	64.7

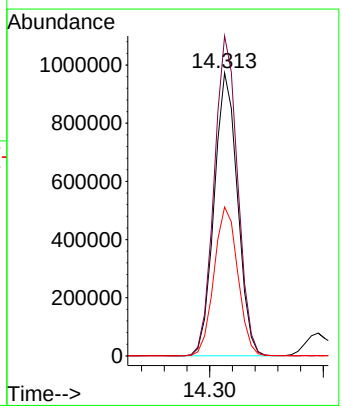


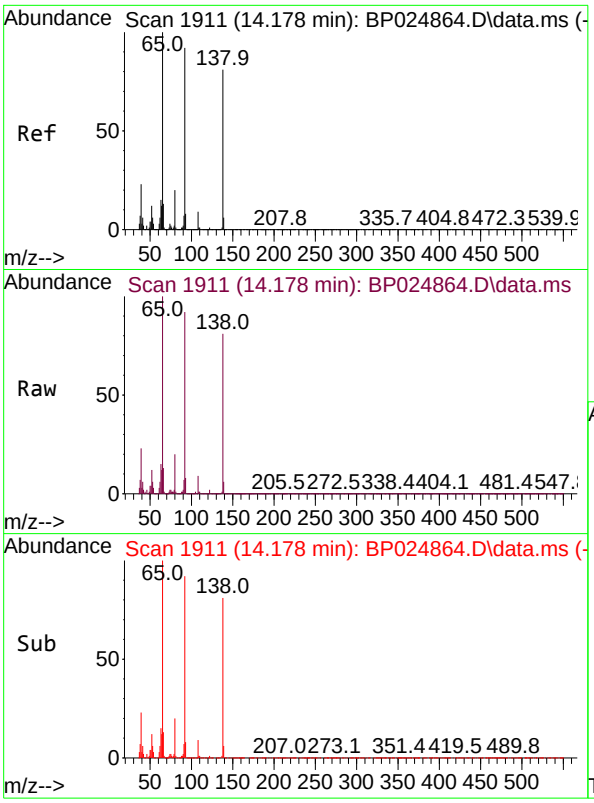


#52
Acenaphthene
Concen: 38.243 ng
RT: 14.313 min Scan# 1934
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:154 Resp: 1386007

Ion	Ratio	Lower	Upper
154	100		
153	113.1	90.5	135.7
152	52.6	42.1	63.1



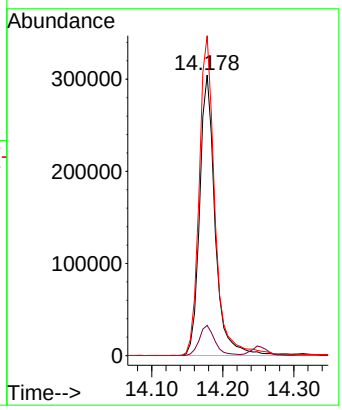


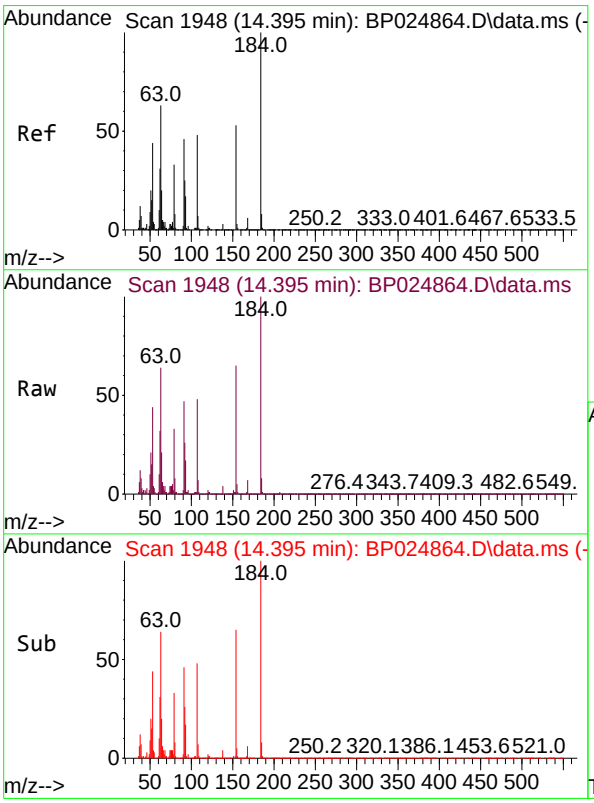
#53
3-Nitroaniline
Concen: 40.971 ng
RT: 14.178 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 459200

Ion	Ratio	Lower	Upper
138	100		
108	10.7	8.6	12.8
92	114.1	91.3	136.9

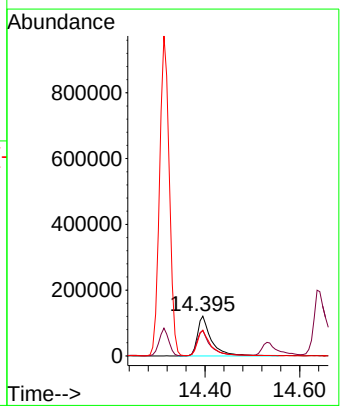


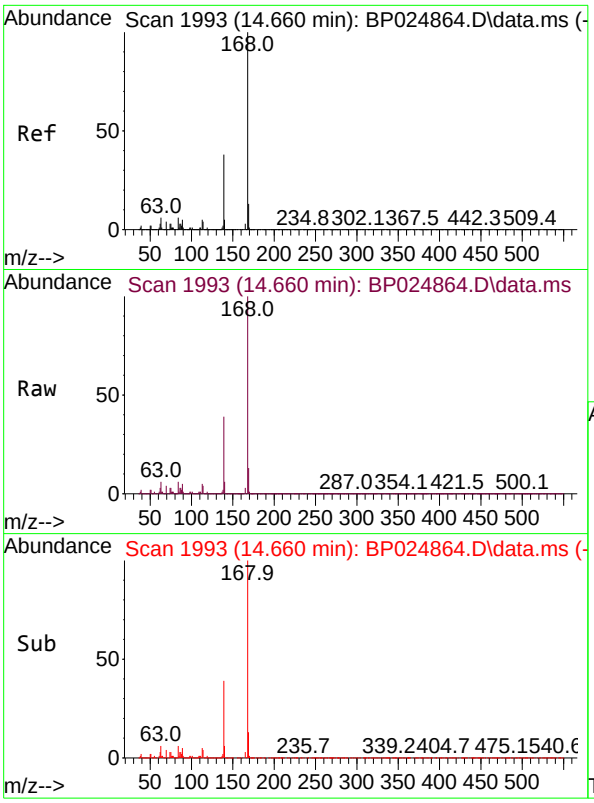


#54
2,4-Dinitrophenol
Concen: 37.658 ng
RT: 14.395 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:184 Resp: 242575

Ion	Ratio	Lower	Upper
184	100		
63	63.7	51.0	76.4
154	64.6	51.7	77.5



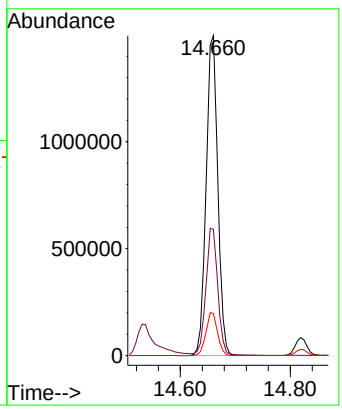


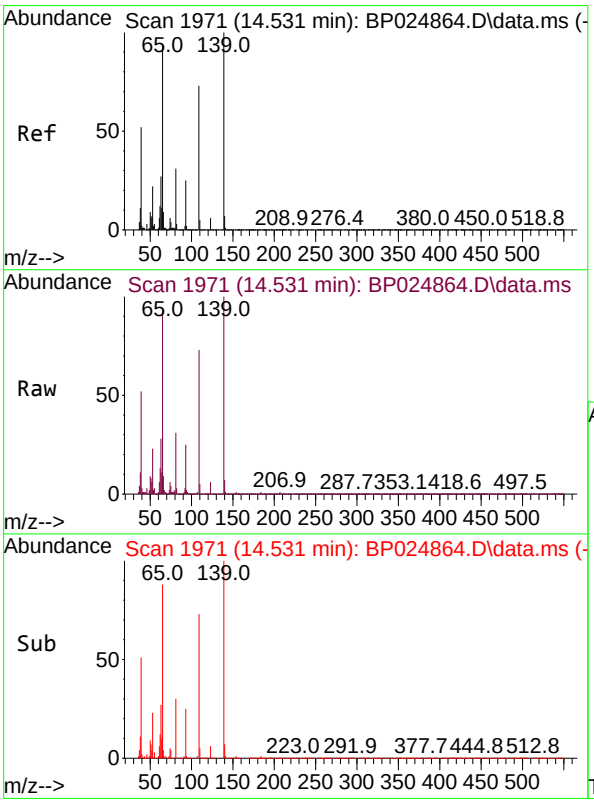
#55
Dibenzofuran
Concen: 37.980 ng
RT: 14.660 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 2209494

Ion	Ratio	Lower	Upper
168	100		
139	39.5	31.6	47.4
169	13.2	10.6	15.8

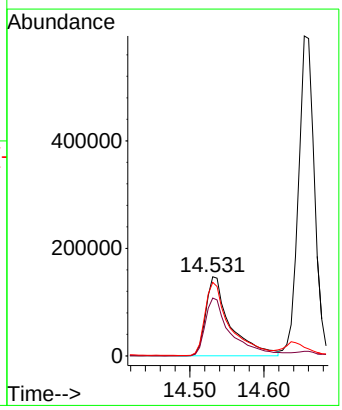


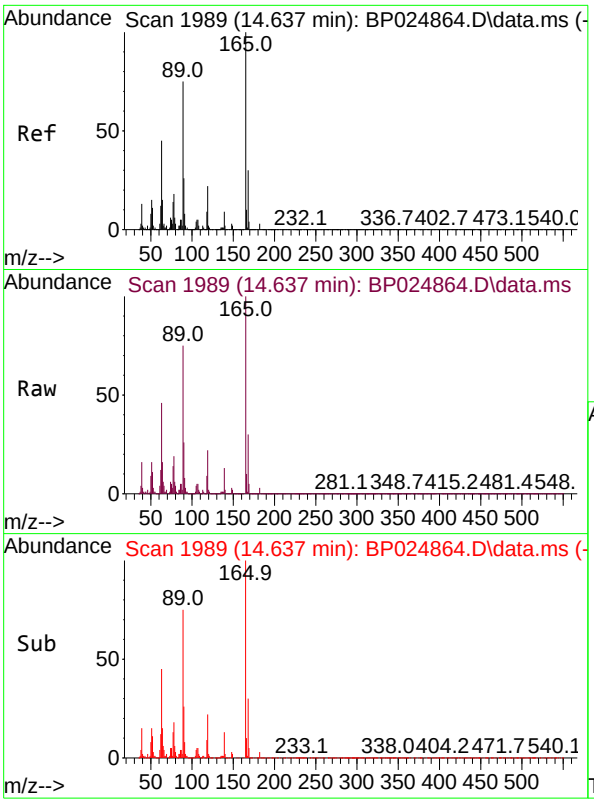


#56
4-Nitrophenol
Concen: 38.472 ng
RT: 14.531 min Scan# 1971
Delta R.T. -0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:139 Resp: 336462

Ion	Ratio	Lower	Upper
139	100		
109	73.1	53.1	93.1
65	93.0	73.0	113.0



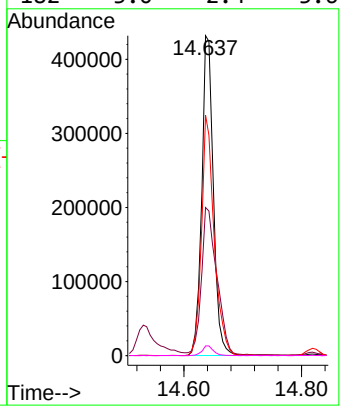


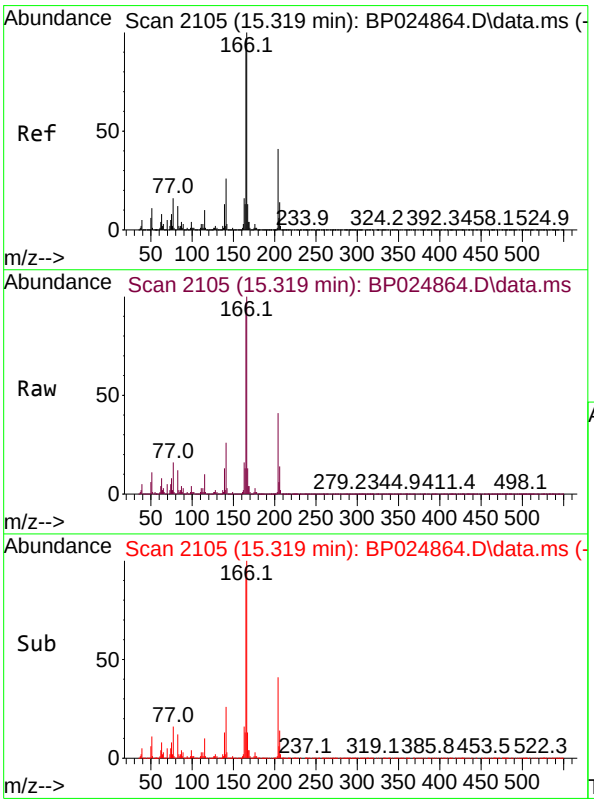
#57
2,4-Dinitrotoluene
Concen: 39.287 ng
RT: 14.637 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 593534

Ion	Ratio	Lower	Upper
165	100		
63	46.3	37.0	55.6
89	75.1	60.1	90.1
182	3.0	2.4	3.6

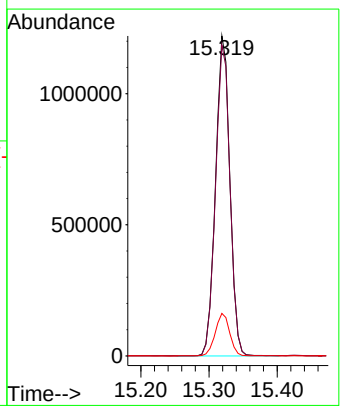


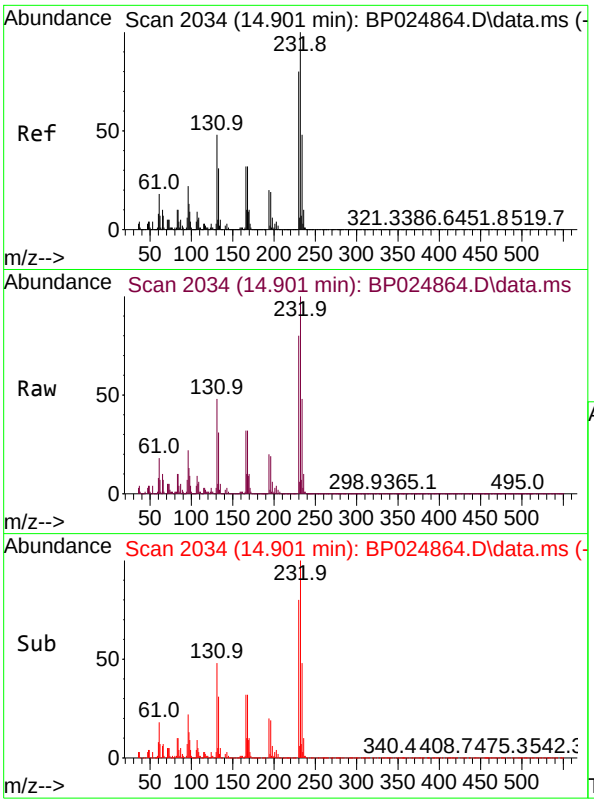


#58
Fluorene
Concen: 37.692 ng
RT: 15.319 min Scan# 2105
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:166 Resp: 1771367

Ion	Ratio	Lower	Upper
166	100		
165	97.1	77.7	116.5
167	13.3	10.6	16.0



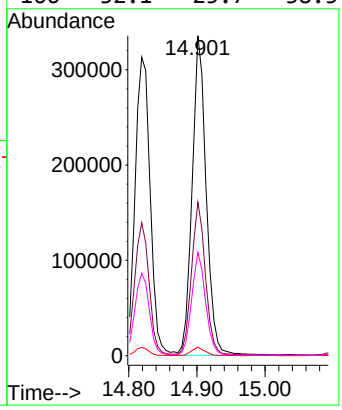


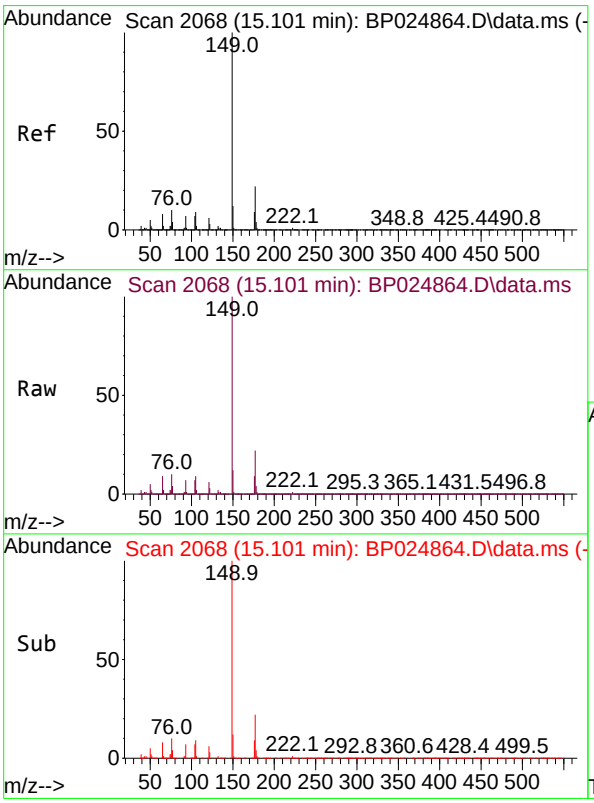
#59
2,3,4,6-Tetrachlorophenol
Concen: 38.773 ng
RT: 14.901 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 480983

Ion	Ratio	Lower	Upper
232	100		
131	47.7	38.2	57.2
130	2.6	2.1	3.1
166	32.1	25.7	38.5

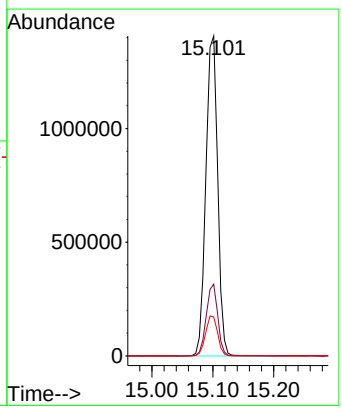


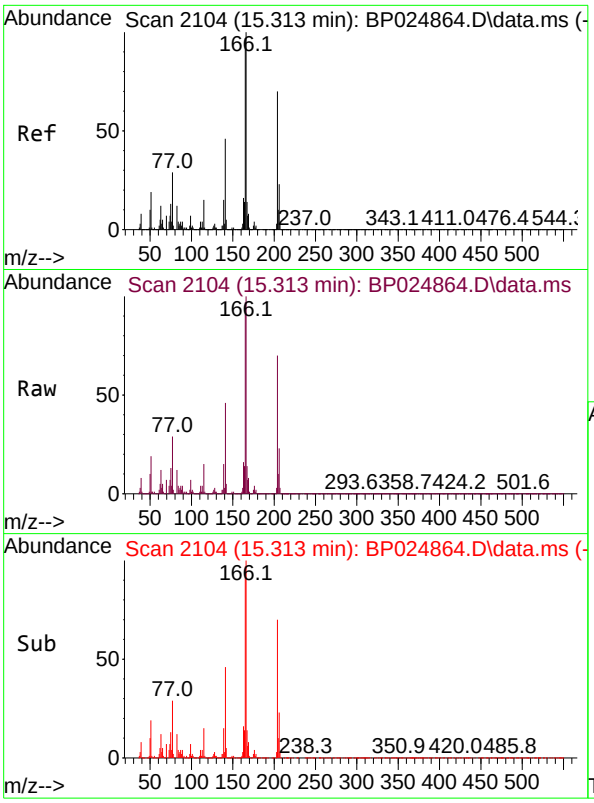


#60
Diethylphthalate
Concen: 37.885 ng
RT: 15.101 min Scan# 2068
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:149 Resp: 1891525

Ion	Ratio	Lower	Upper
149	100		
177	22.4	17.9	26.9
150	12.2	9.8	14.6



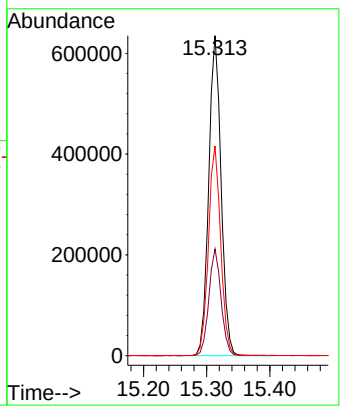


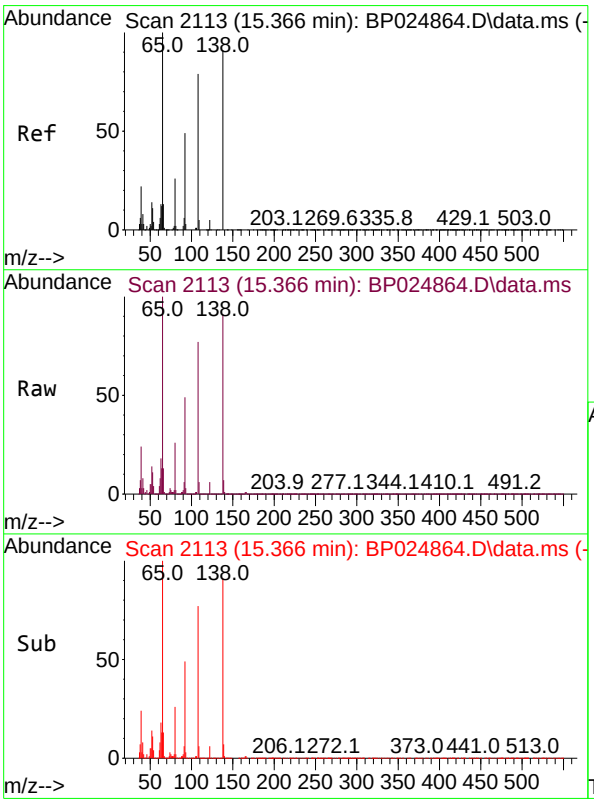
#61
4-Chlorophenyl-phenylether
Concen: 37.629 ng
RT: 15.313 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 864669

Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.6	40.0
141	65.5	52.4	78.6

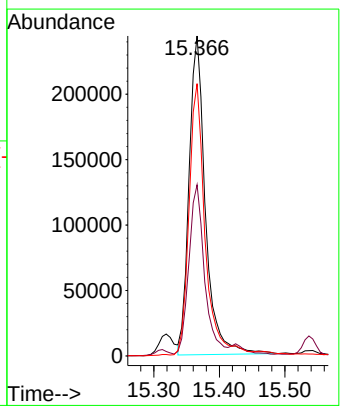


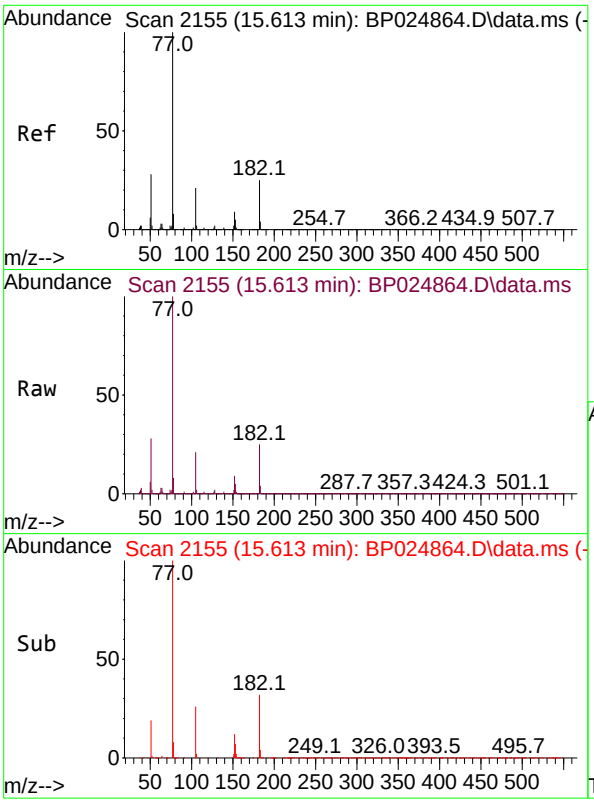


#62
4-Nitroaniline
Concen: 41.533 ng
RT: 15.366 min Scan# 2113
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:138 Resp: 422311

Ion	Ratio	Lower	Upper
138	100		
92	53.5	33.5	73.5
108	85.1	65.1	105.1



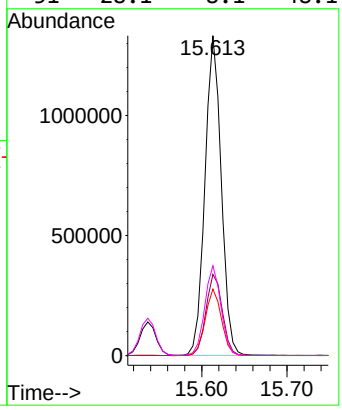


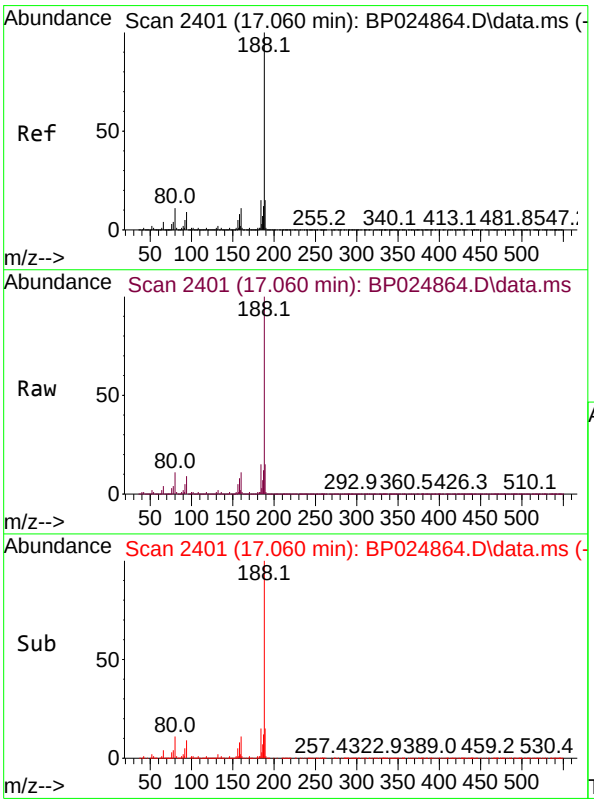
#63
Azobenzene
Concen: 38.557 ng
RT: 15.613 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 1765553

Ion	Ratio	Lower	Upper
77	100		
182	25.4	5.4	45.4
105	20.8	0.8	40.8
51	28.1	8.1	48.1

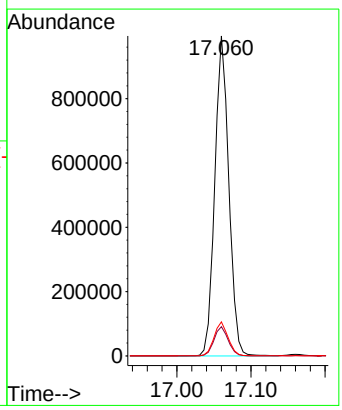


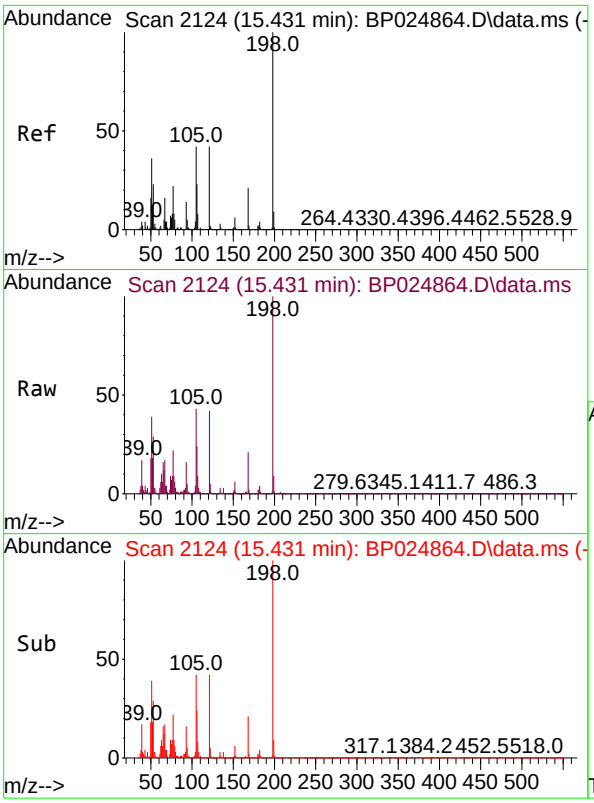


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.060 min Scan# 2401
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:188 Resp: 1306481

Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.3	10.9
80	10.6	8.5	12.7



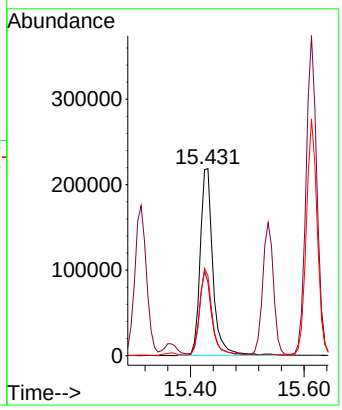


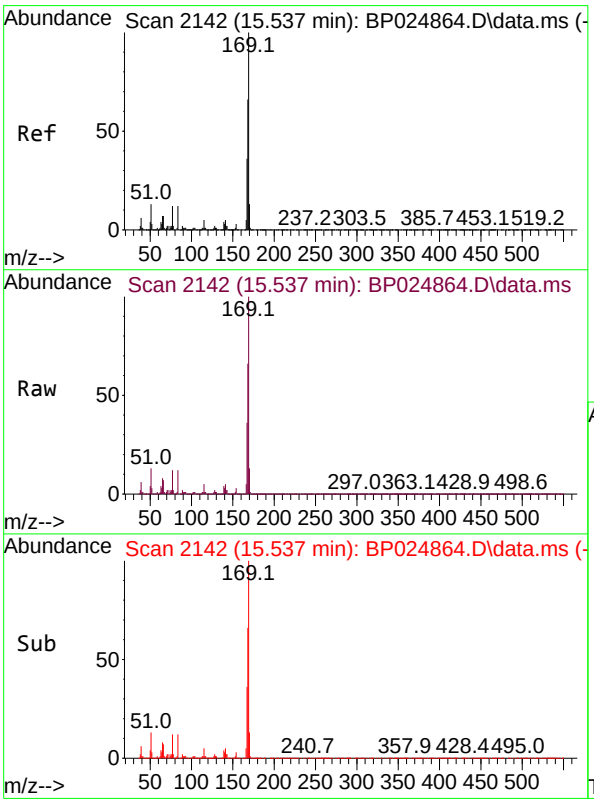
#65
4,6-Dinitro-2-methylphenol
Concen: 39.602 ng
RT: 15.431 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 339975

Ion	Ratio	Lower	Upper
198	100		
51	39.2	19.2	59.2
105	42.6	22.6	62.6

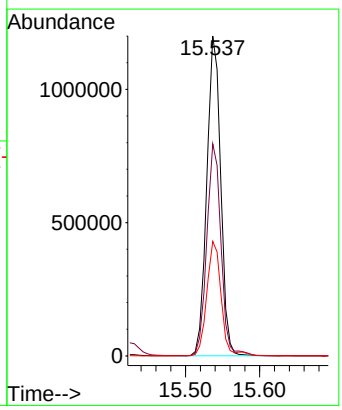


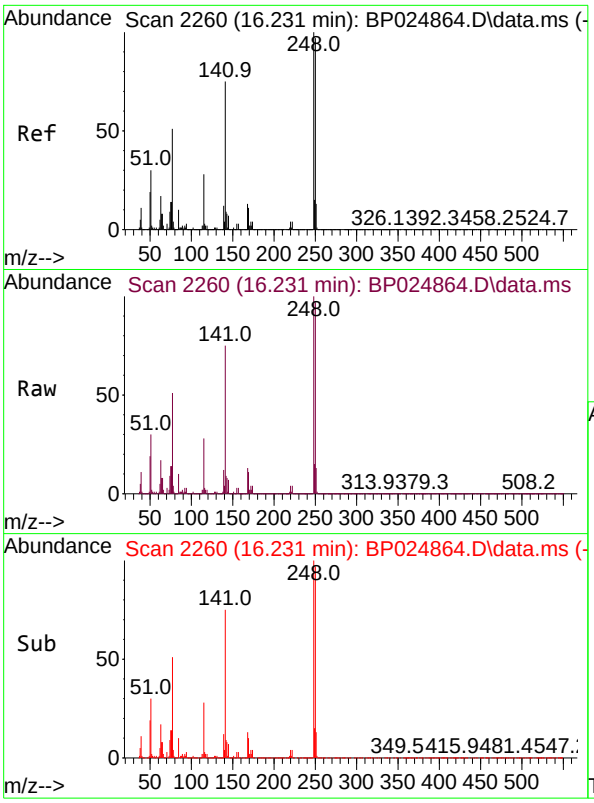


#66
n-Nitrosodiphenylamine
Concen: 38.517 ng
RT: 15.537 min Scan# 2142
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:169 Resp: 1559739

Ion	Ratio	Lower	Upper
169	100		
168	66.3	53.0	79.6
167	35.8	28.6	43.0



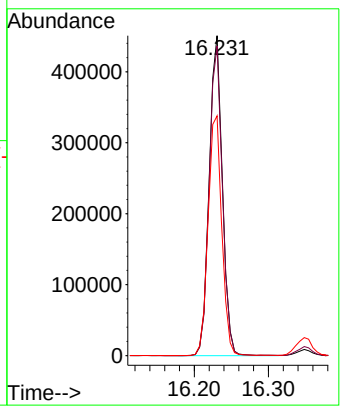


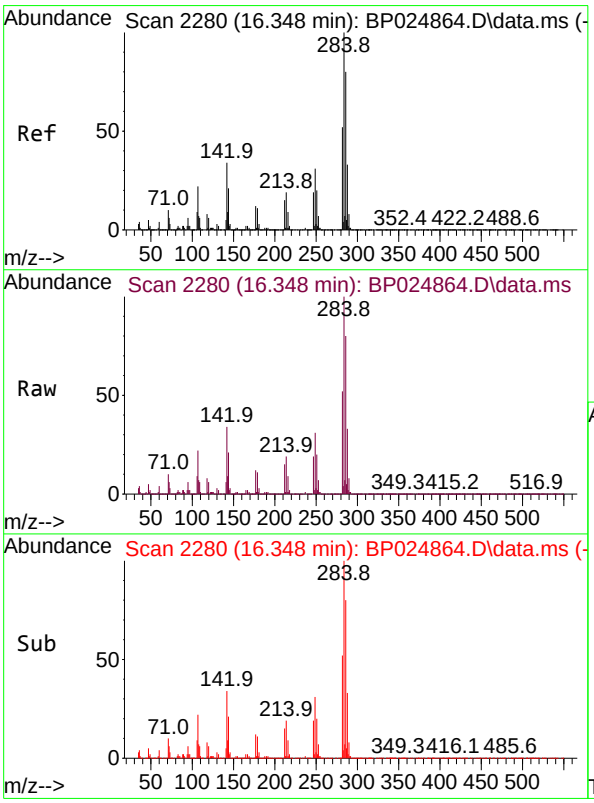
#67
4-Bromophenyl-phenylether
Concen: 37.758 ng
RT: 16.231 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 556600

Ion	Ratio	Lower	Upper
248	100		
250	96.8	77.4	116.2
141	74.9	59.9	89.9

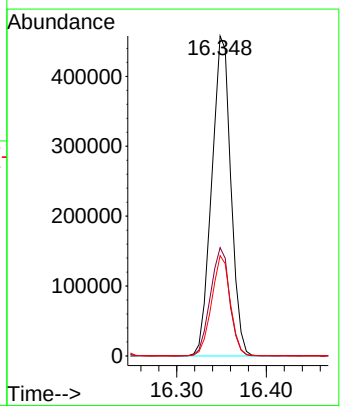


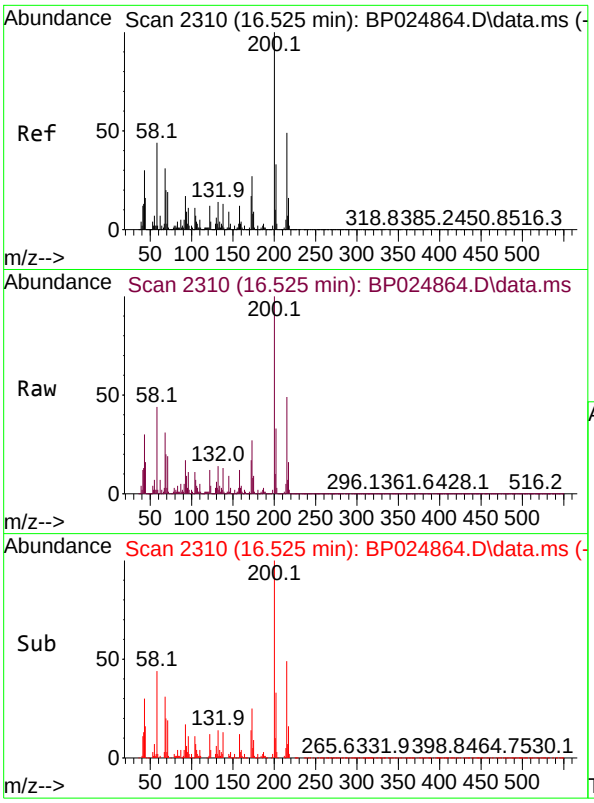


#68
Hexachlorobenzene
Concen: 38.085 ng
RT: 16.348 min Scan# 2280
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:284 Resp: 680613

Ion	Ratio	Lower	Upper
284	100		
142	33.8	27.0	40.6
249	31.3	25.0	37.6



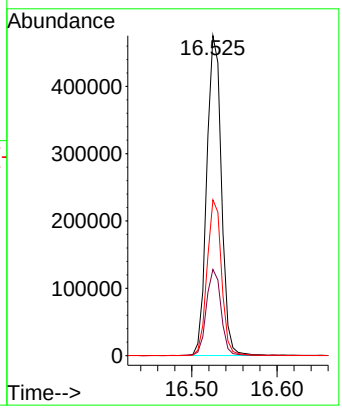


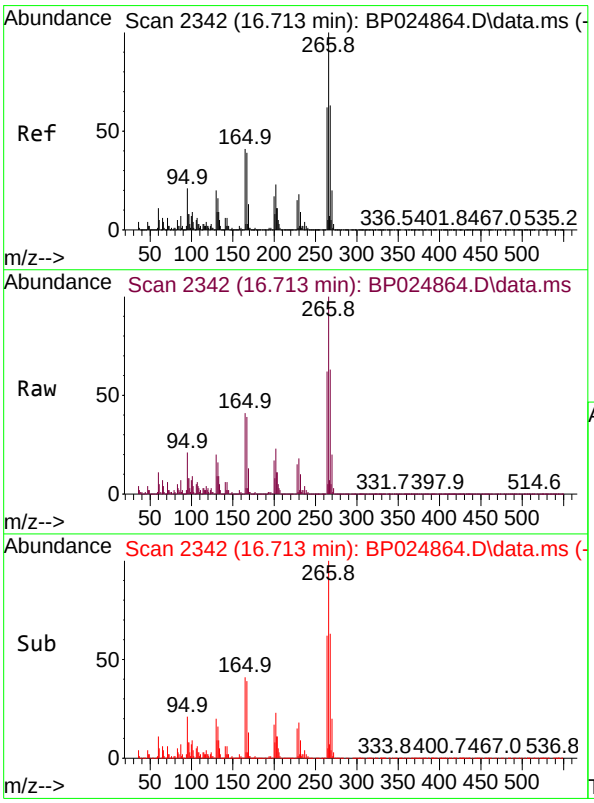
#69
Atrazine
Concen: 38.691 ng
RT: 16.525 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 567988

Ion	Ratio	Lower	Upper
200	100		
173	26.9	6.9	46.9
215	48.7	28.7	68.7

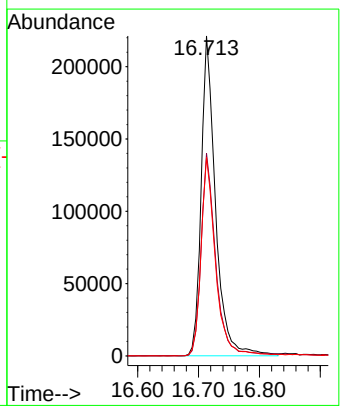


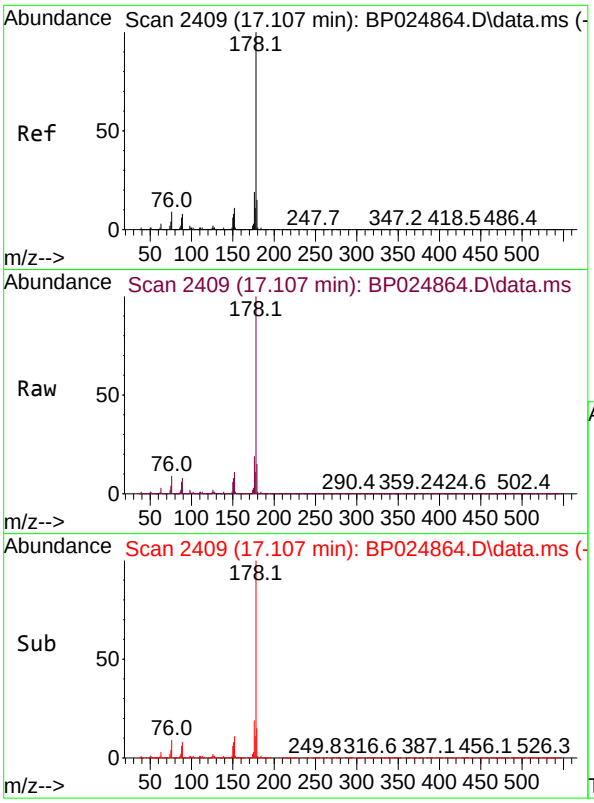


#70
Pentachlorophenol
Concen: 39.157 ng
RT: 16.713 min Scan# 2342
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:266 Resp: 362165

Ion	Ratio	Lower	Upper
266	100		
268	63.3	50.6	76.0
264	62.1	49.7	74.5



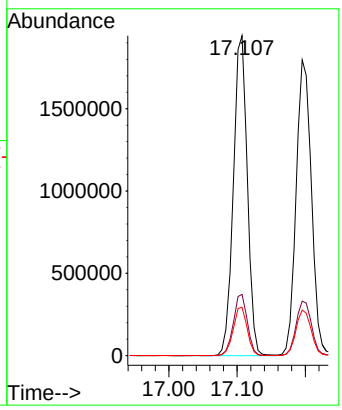


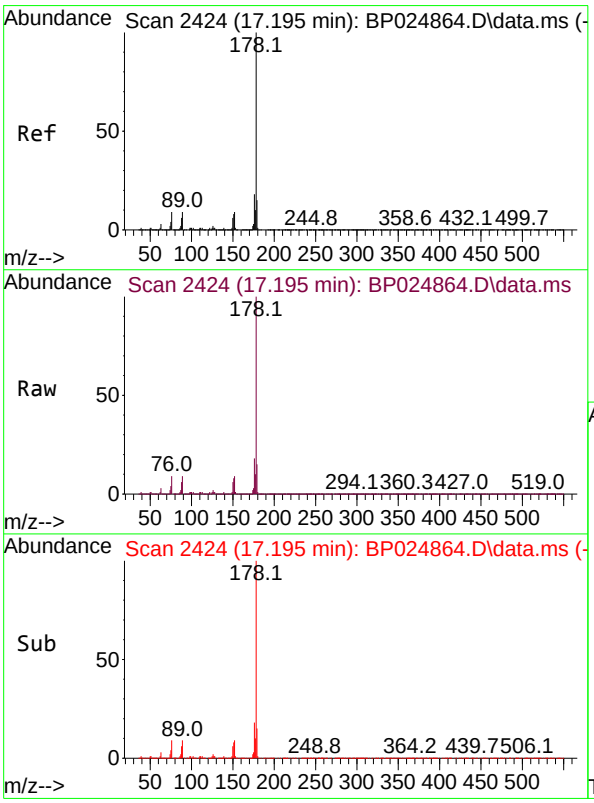
#71
Phenanthrene
Concen: 38.231 ng
RT: 17.107 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 2760162

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.1	12.1	18.1

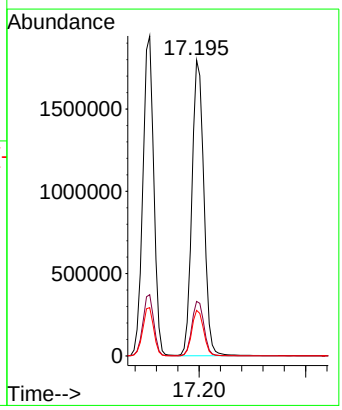


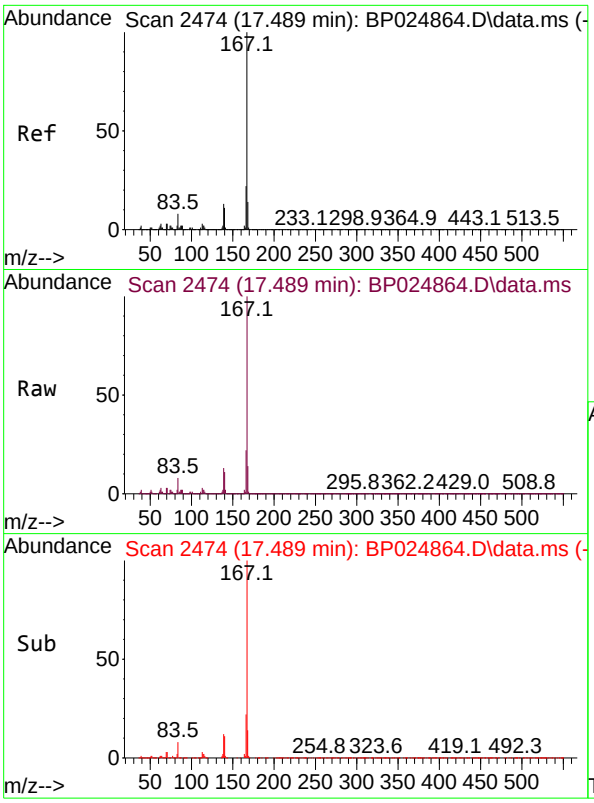


#72
Anthracene
Concen: 38.291 ng
RT: 17.195 min Scan# 2424
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:178 Resp: 2799870

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.4	12.3	18.5



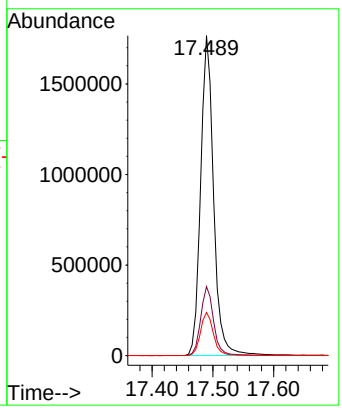


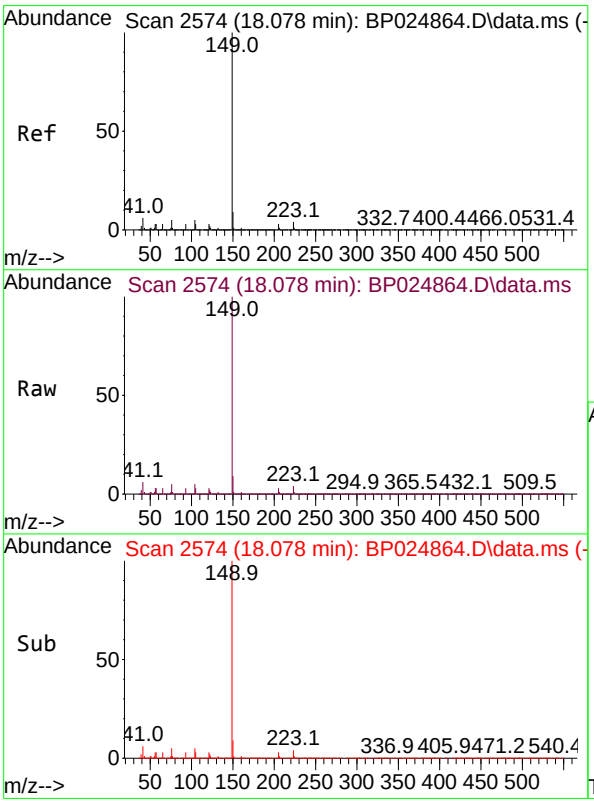
#73
Carbazole
Concen: 38.474 ng
RT: 17.489 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 2607544

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.3	25.9
139	13.5	10.8	16.2

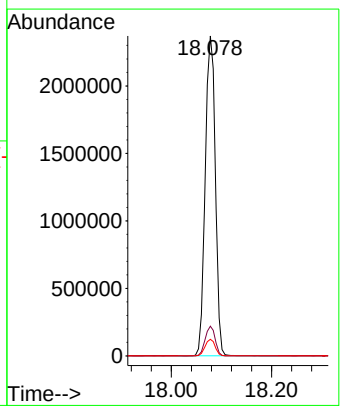


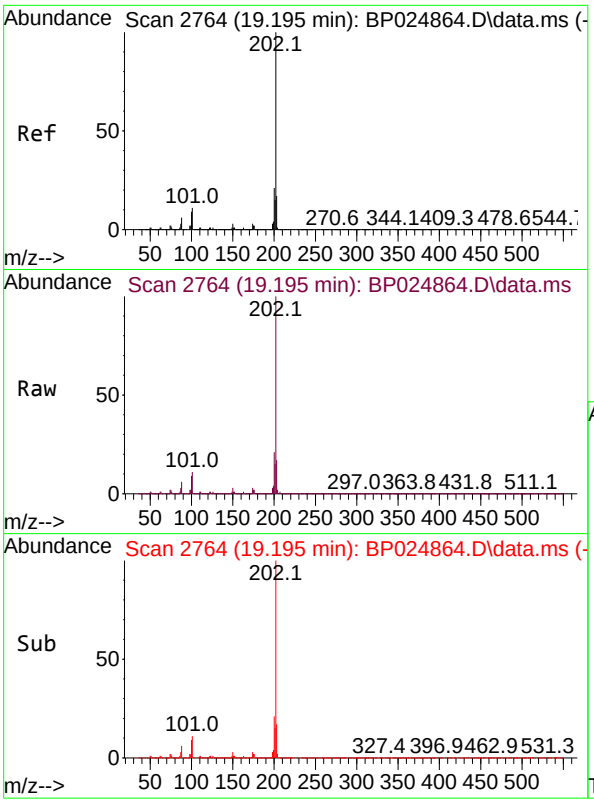


#74
Di-n-butylphthalate
Concen: 39.589 ng
RT: 18.078 min Scan# 2574
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:149 Resp: 3324411

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.2	4.2	6.2



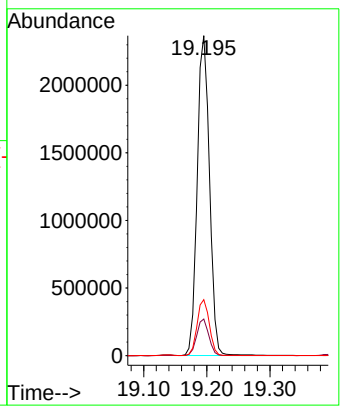


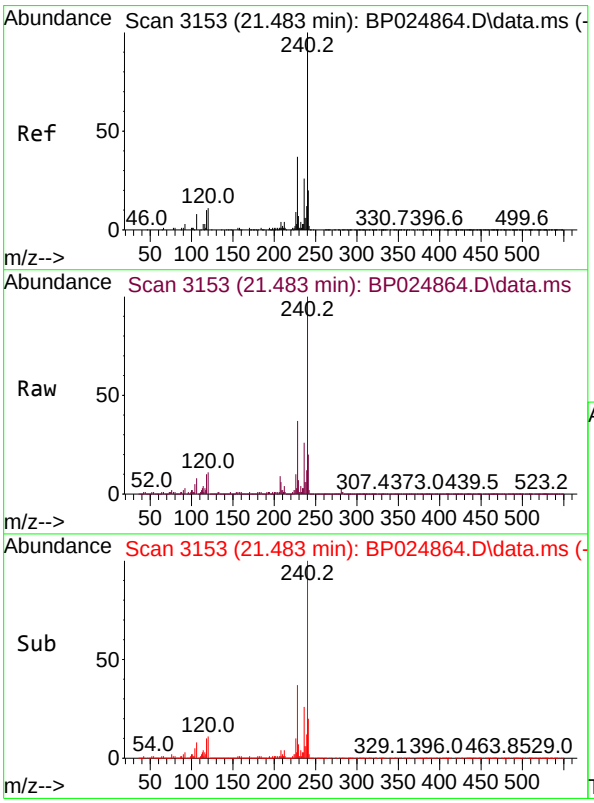
#75
Fluoranthene
Concen: 38.177 ng
RT: 19.195 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 3194654

Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.4
203	17.5	0.0	37.5

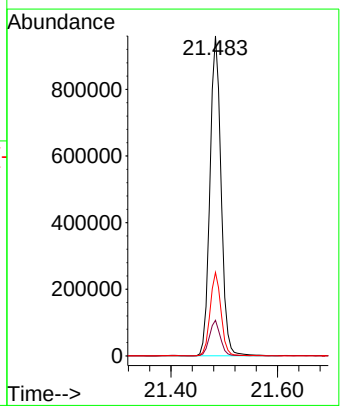


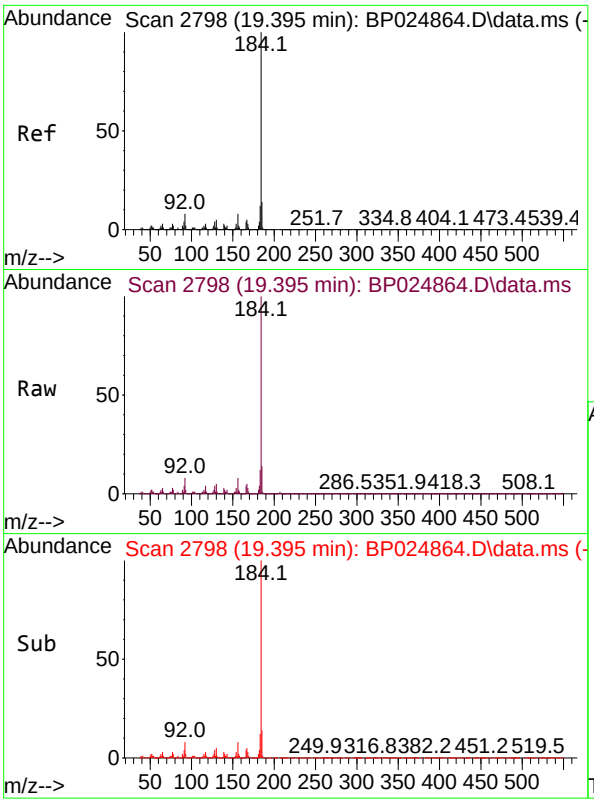


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.483 min Scan# 3153
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:240 Resp: 1397384

Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.9	13.3
236	26.1	20.9	31.3



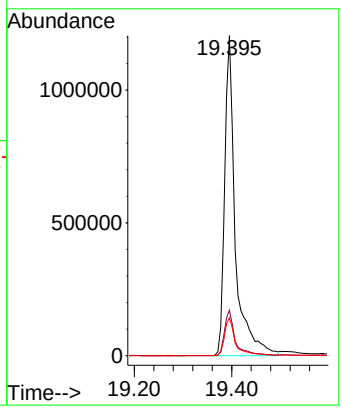


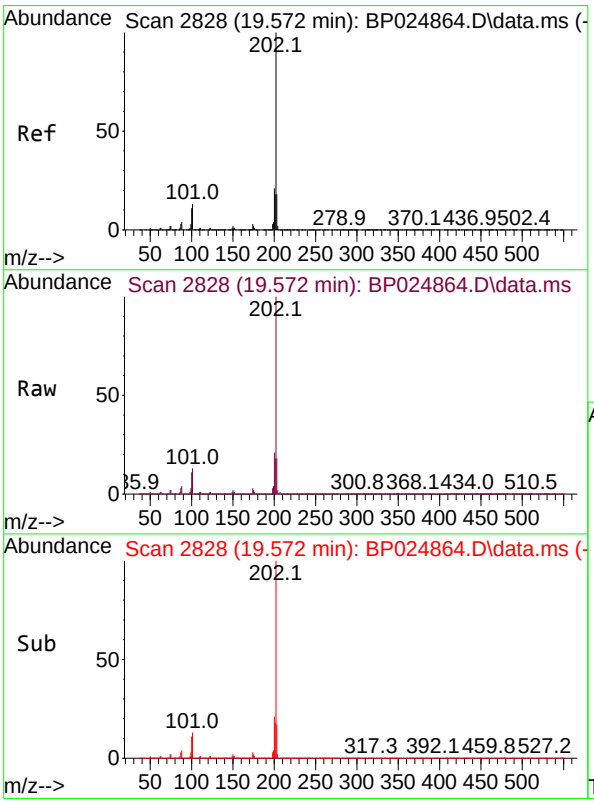
#77
Benzidine
Concen: 42.168 ng
RT: 19.395 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 1825007

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.4	17.0
183	11.9	9.5	14.3

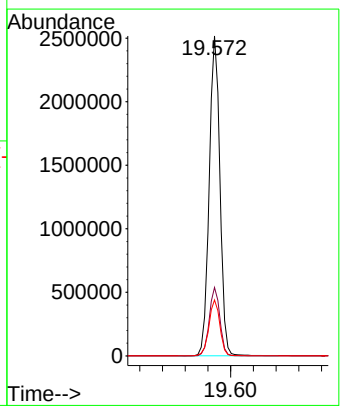


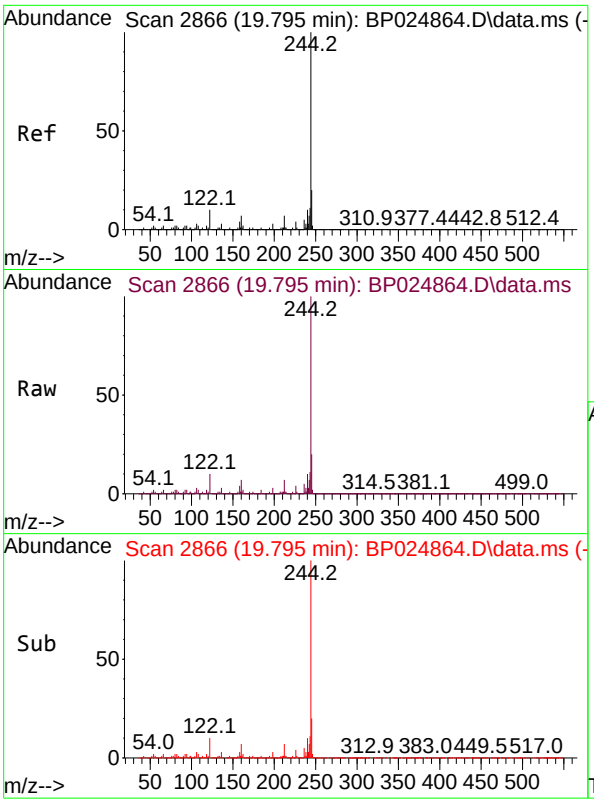


#78
Pyrene
Concen: 37.906 ng
RT: 19.572 min Scan# 2828
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:202 Resp: 3309259

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.1	25.7
203	17.5	14.0	21.0



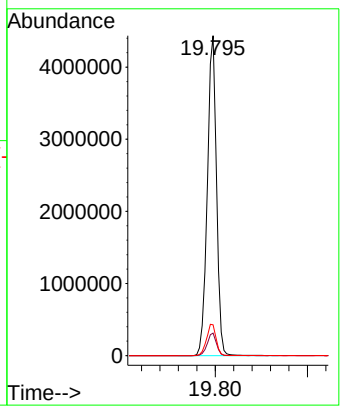


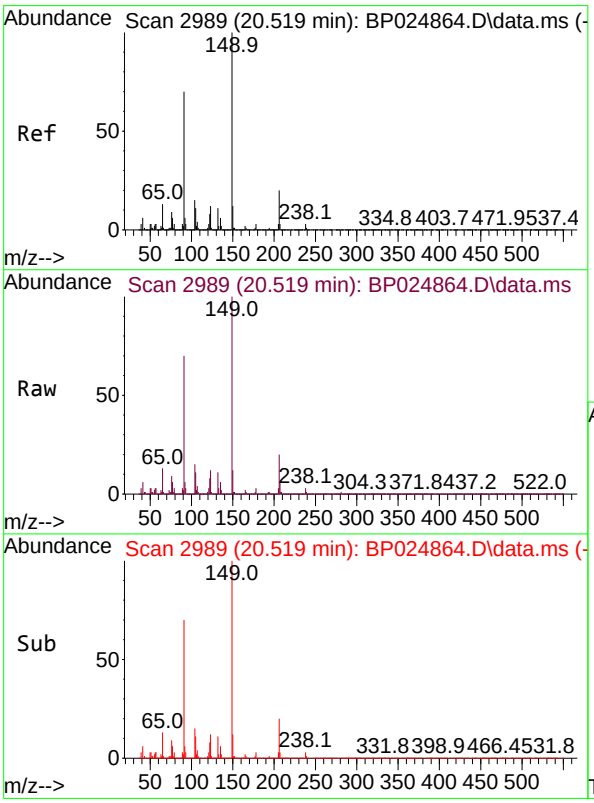
#79
Terphenyl-d14
Concen: 78.103 ng
RT: 19.795 min Scan# 28
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 6089552

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	9.6	7.7	11.5

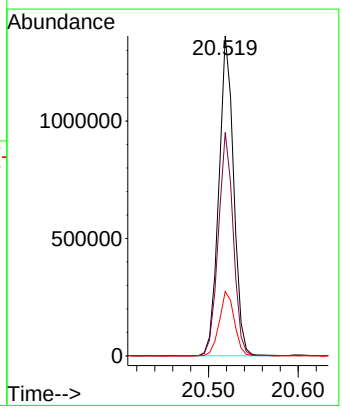


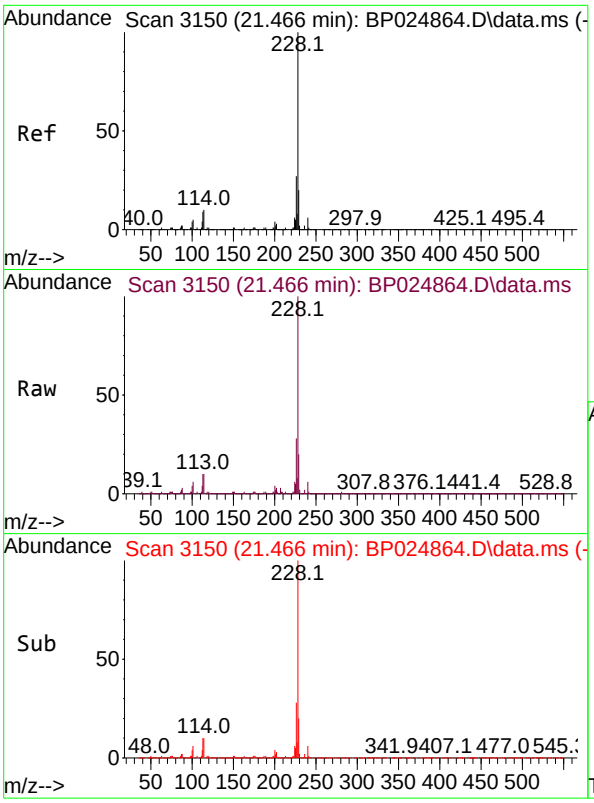


#80
Butylbenzylphthalate
Concen: 39.243 ng
RT: 20.519 min Scan# 2989
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:149 Resp: 1569262

Ion	Ratio	Lower	Upper
149	100		
91	69.8	55.8	83.8
206	20.2	16.2	24.2



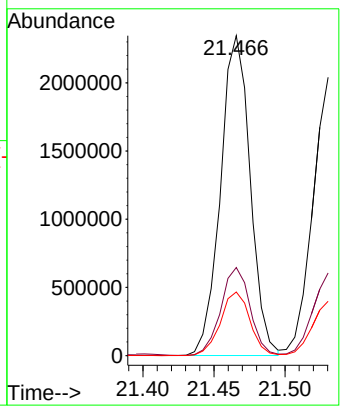


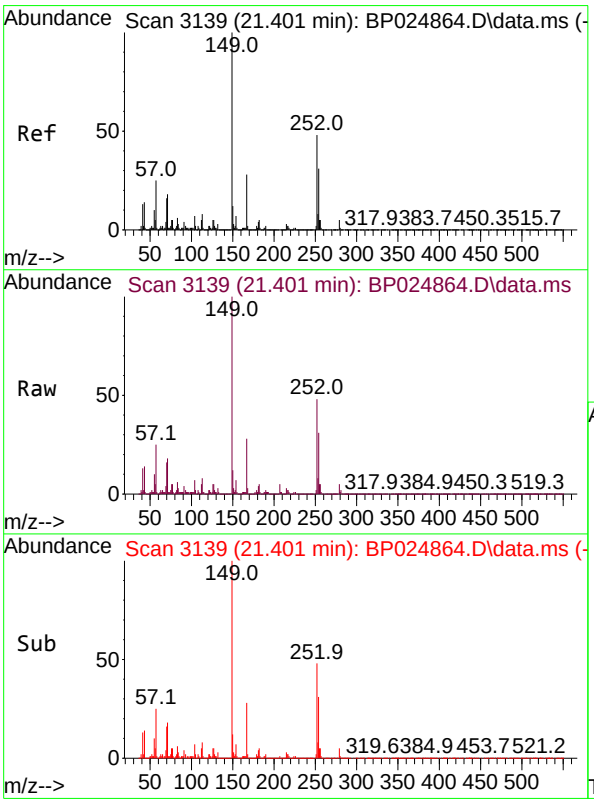
#81
Benzo(a)anthracene
Concen: 38.131 ng
RT: 21.466 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 3407877

Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.1	33.1
229	19.9	15.9	23.9

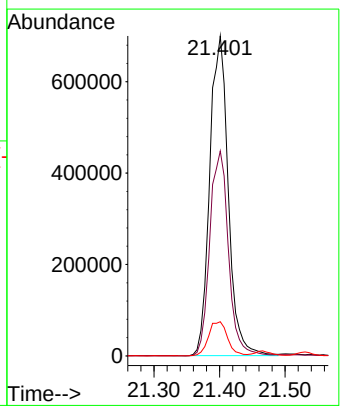


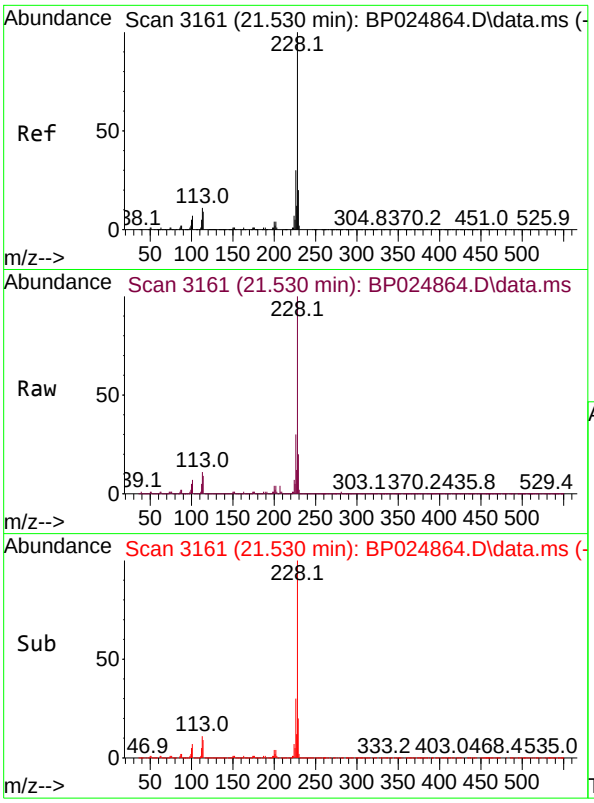


#82
3,3'-Dichlorobenzidine
Concen: 38.820 ng
RT: 21.401 min Scan# 3139
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:252 Resp: 1377414

Ion	Ratio	Lower	Upper
252	100		
254	64.0	51.2	76.8
126	10.7	8.6	12.8



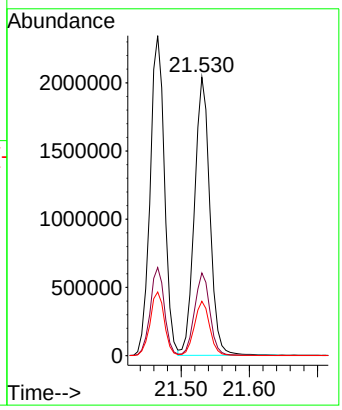


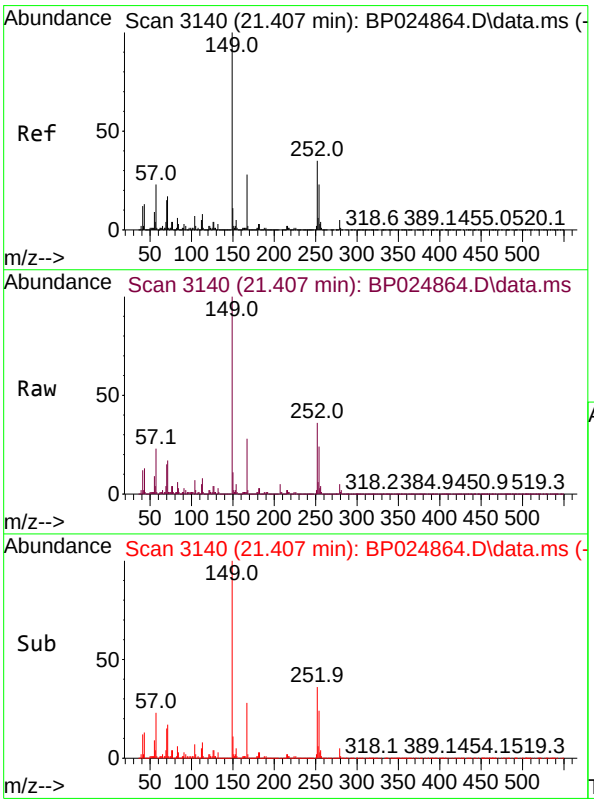
#83
Chrysene
Concen: 37.748 ng
RT: 21.530 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 3196624

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.8	35.6
229	19.5	15.6	23.4

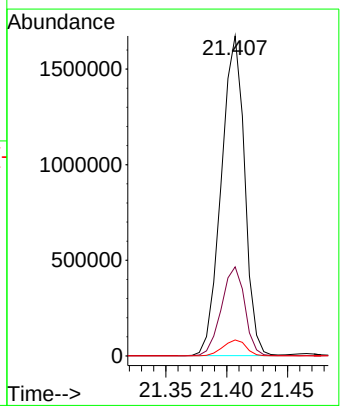


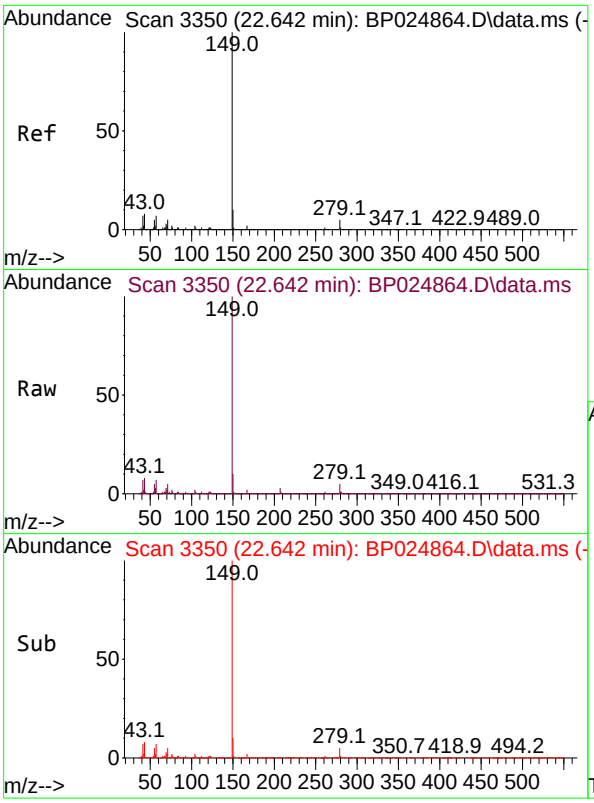


#84
Bis(2-ethylhexyl)phthalate
Concen: 38.886 ng
RT: 21.407 min Scan# 3140
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:149 Resp: 2227904

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.2	33.4
279	5.0	4.0	6.0



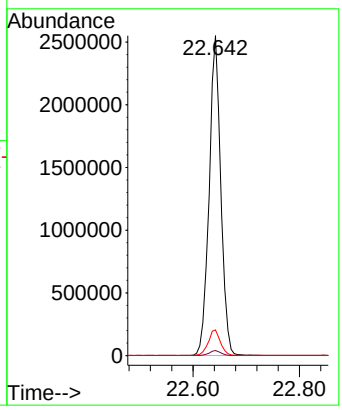


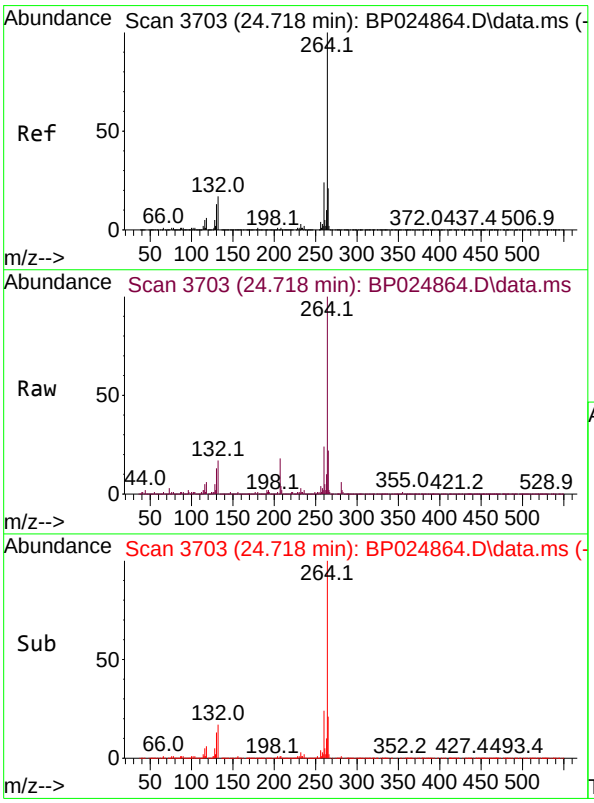
#85
Di-n-octyl phthalate
Concen: 38.306 ng
RT: 22.642 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 3868411

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.3	6.6	10.0

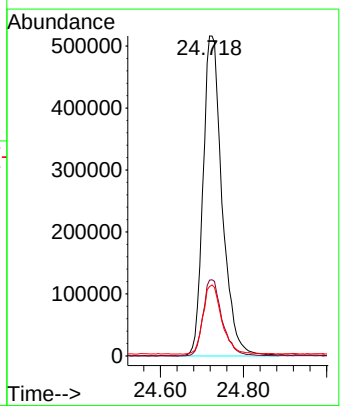


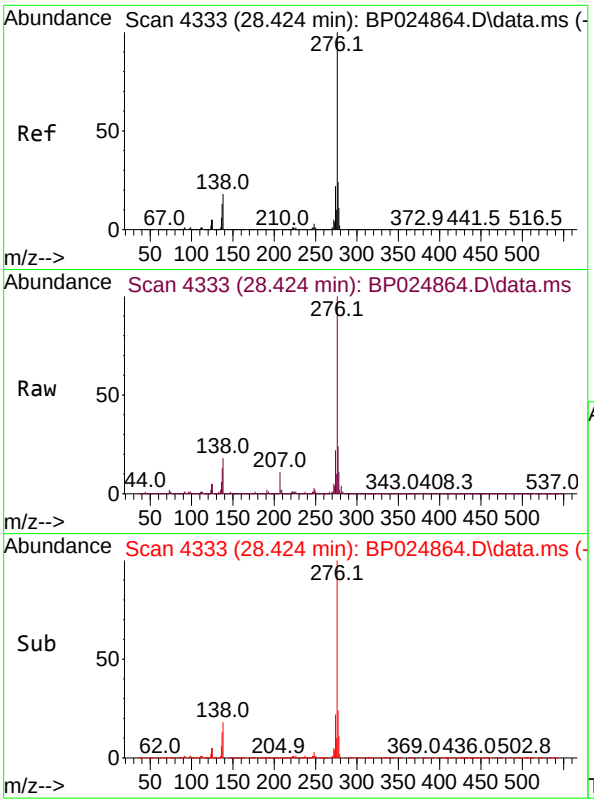


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.718 min Scan# 3703
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:264 Resp: 1643252

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.4
265	21.7	17.4	26.0



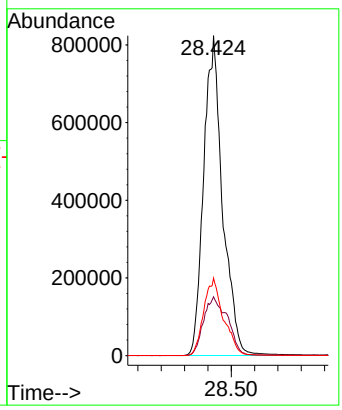


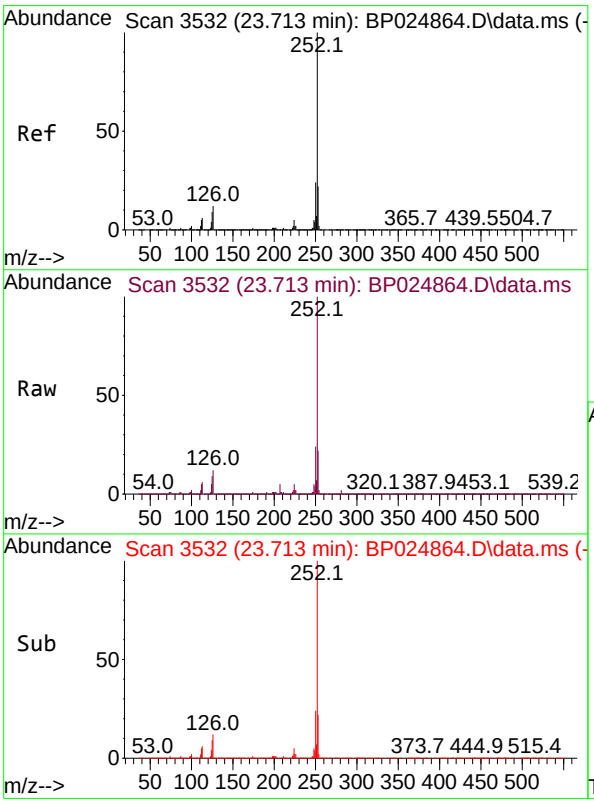
#87
Indeno(1,2,3-cd)pyrene
Concen: 38.704 ng
RT: 28.424 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 4640451

Ion	Ratio	Lower	Upper
276	100		
138	23.2	18.6	27.8
277	25.3	20.2	30.4

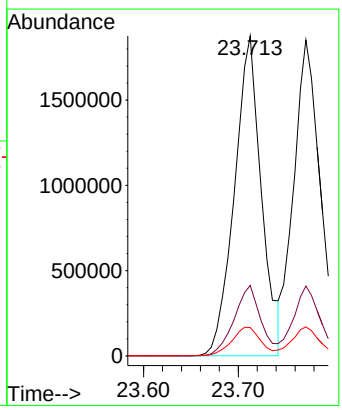


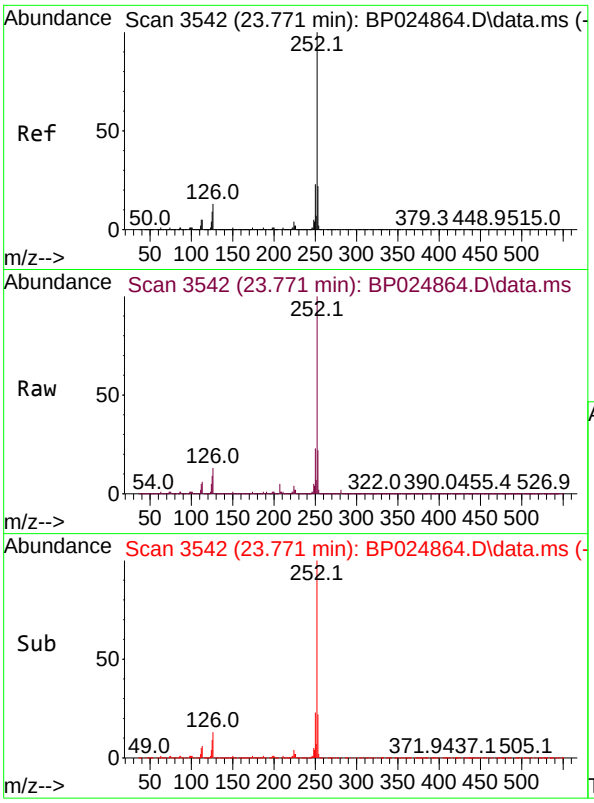


#88
Benzo(b)fluoranthene
Concen: 39.393 ng
RT: 23.713 min Scan# 3532
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:252 Resp: 3704546

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	8.9	7.1	10.7



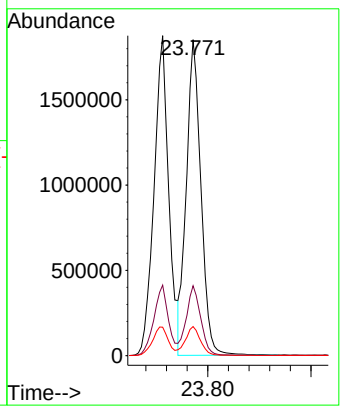


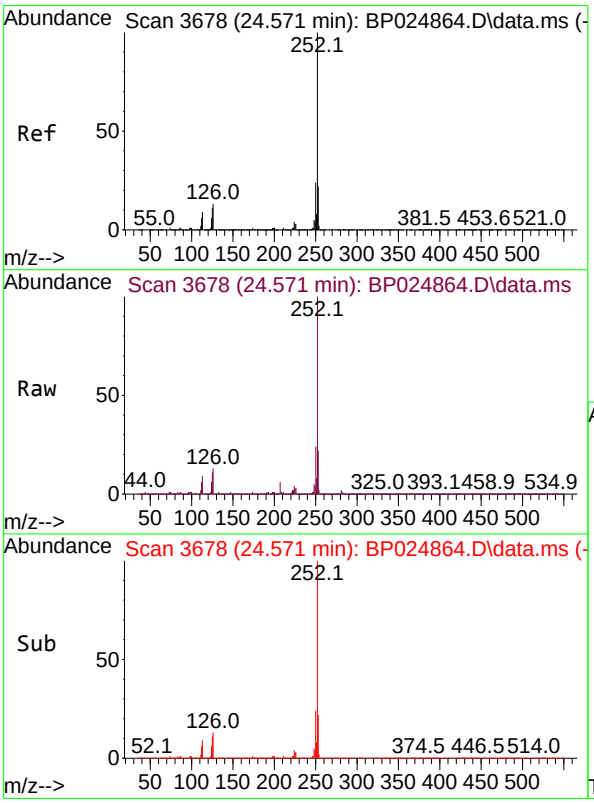
#89
Benzo(k)fluoranthene
Concen: 37.979 ng
RT: 23.771 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 3635617

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	9.2	7.4	11.0

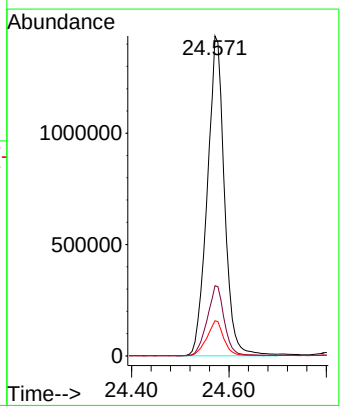


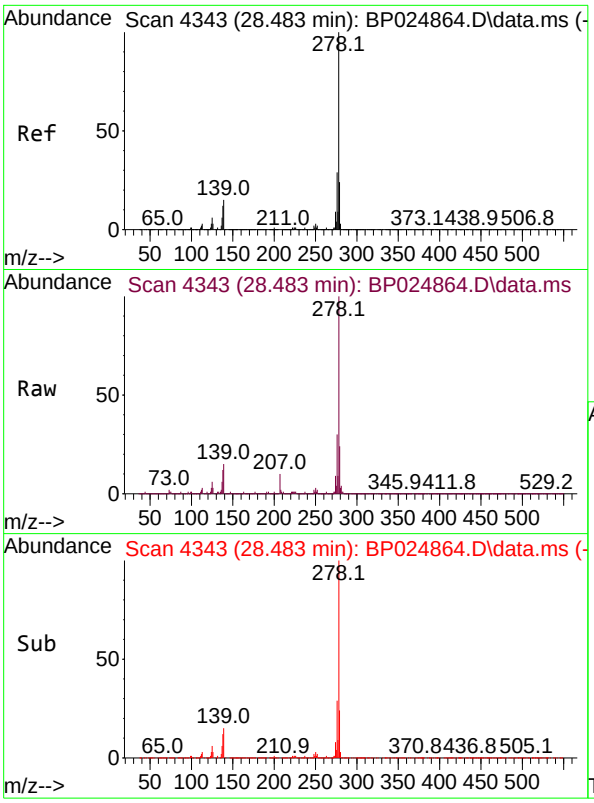


#90
Benzo(a)pyrene
Concen: 38.291 ng
RT: 24.571 min Scan# 3678
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:252 Resp: 3516755

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	11.0	8.8	13.2



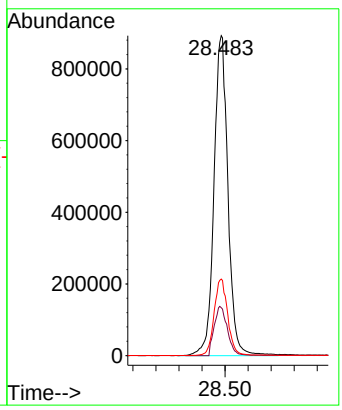


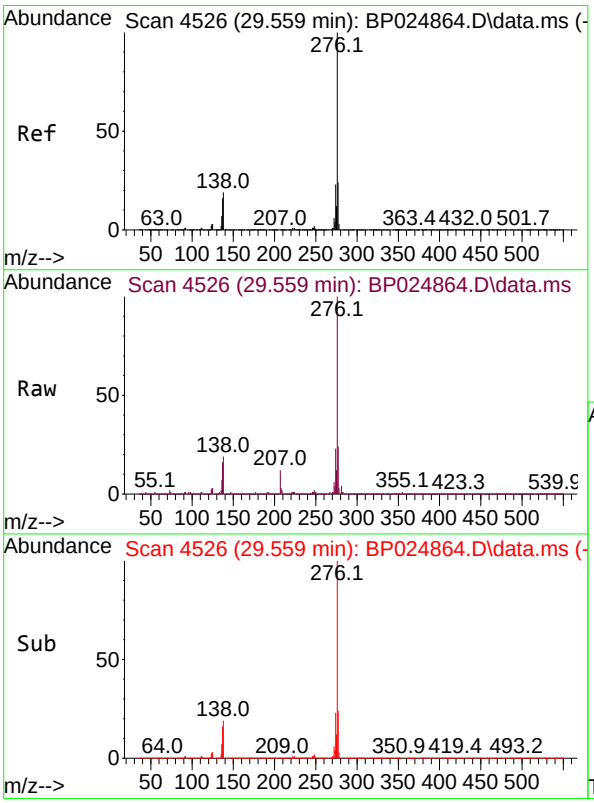
#91
Dibenzo(a,h)anthracene
Concen: 38.499 ng
RT: 28.483 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 3757160

Ion	Ratio	Lower	Upper
278	100		
139	15.0	12.0	18.0
279	23.9	19.1	28.7

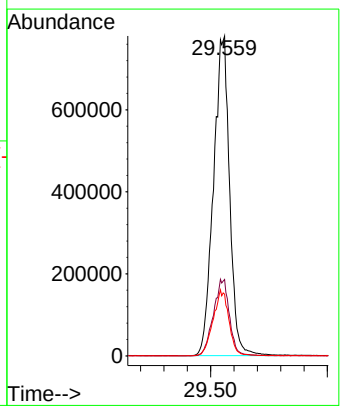




#92
Benzo(g,h,i)perylene
Concen: 38.569 ng
RT: 29.559 min Scan# 4526
Delta R.T. 0.000 min
Lab File: BP024864.D
Acq: 06 Jun 2025 13:14

Tgt Ion:276 Resp: 3734621

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.1	28.7
138	19.3	15.4	23.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024865.D
Acq On : 06 Jun 2025 13:56
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: Jun 06 16:03:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.613	152	235518	20.000	ng	0.00
21) Naphthalene-d8	10.384	136	975092	20.000	ng	0.00
39) Acenaphthene-d10	14.260	164	631564	20.000	ng	0.01
64) Phenanthrene-d10	17.072	188	1197709	20.000	ng	0.01
76) Chrysene-d12	21.501	240	1276071	20.000	ng	0.02
86) Perylene-d12	24.742	264	1475251	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.243	112	1510671	107.067	ng	0.00
7) Phenol-d6	6.813	99	1973616	105.719	ng	0.00
23) Nitrobenzene-d5	8.760	82	2165794	107.931	ng	0.00
42) 2,4,6-Tribromophenol	15.784	330	940592	107.721	ng	0.00
45) 2-Fluorobiphenyl	12.860	172	4934980	105.263	ng	0.00
79) Terphenyl-d14	19.801	244	7428863	104.339	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.167	88	321356	51.761	ng	100
3) Pyridine	3.567	79	806405	54.010	ng	98
4) n-Nitrosodimethylamine	3.478	42	319345	52.317	ng	98
6) Aniline	6.955	93	1263250	53.024	ng	100
8) 2-Chlorophenol	7.190	128	855311	53.473	ng	99
9) Benzaldehyde	6.766	77	579996	53.748	ng	99
10) Phenol	6.843	94	1015401	52.761	ng	99
11) bis(2-Chloroethyl)ether	7.049	93	802393	53.010	ng	99
12) 1,3-Dichlorobenzene	7.502	146	925262	51.854	ng	99
13) 1,4-Dichlorobenzene	7.643	146	944146	52.440	ng	100
14) 1,2-Dichlorobenzene	7.960	146	906741	51.287	ng	99
15) Benzyl Alcohol	7.860	79	758909	52.968	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.131	45	1030911	52.035	ng	99
17) 2-Methylphenol	8.066	107	712455	53.013	ng	100
18) Hexachloroethane	8.672	117	359979	53.107	ng	99
19) n-Nitroso-di-n-propyla...	8.413	70	671592	52.919	ng	99
20) 3+4-Methylphenols	8.396	107	960504	52.385	ng	97
22) Acetophenone	8.431	105	1304864	52.966	ng	99
24) Nitrobenzene	8.802	77	955872	53.620	ng	99
25) Isophorone	9.325	82	1862532	53.556	ng	100
26) 2-Nitrophenol	9.513	139	489550	55.657	ng	99
27) 2,4-Dimethylphenol	9.578	122	806896	53.602	ng	99
28) bis(2-Chloroethoxy)met...	9.801	93	1133590	54.643	ng	99
29) 2,4-Dichlorophenol	10.054	162	797316	55.201	ng	99
30) 1,2,4-Trichlorobenzene	10.243	180	857570	52.640	ng	98
31) Naphthalene	10.437	128	2630251	52.637	ng	100
32) Benzoic acid	9.772	122	561400	55.936	ng	98
33) 4-Chloroaniline	10.548	127	1148401	54.855	ng	99
34) Hexachlorobutadiene	10.713	225	532031	54.184	ng	98
35) Caprolactam	11.354	113	288081	54.183	ng	98
36) 4-Chloro-3-methylphenol	11.701	107	912092	54.747	ng	99
37) 2-Methylnaphthalene	12.048	142	1697018	53.539	ng	99
38) 1-Methylnaphthalene	12.272	142	1807332	53.333	ng	98
40) 1,2,4,5-Tetrachloroben...	12.419	216	949667	52.992	ng	100
41) Hexachlorocyclopentadiene	12.395	237	638568	58.420	ng	100
43) 2,4,6-Trichlorophenol	12.678	196	649483	53.966	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024865.D
Acq On : 06 Jun 2025 13:56
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: Jun 06 16:03:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration

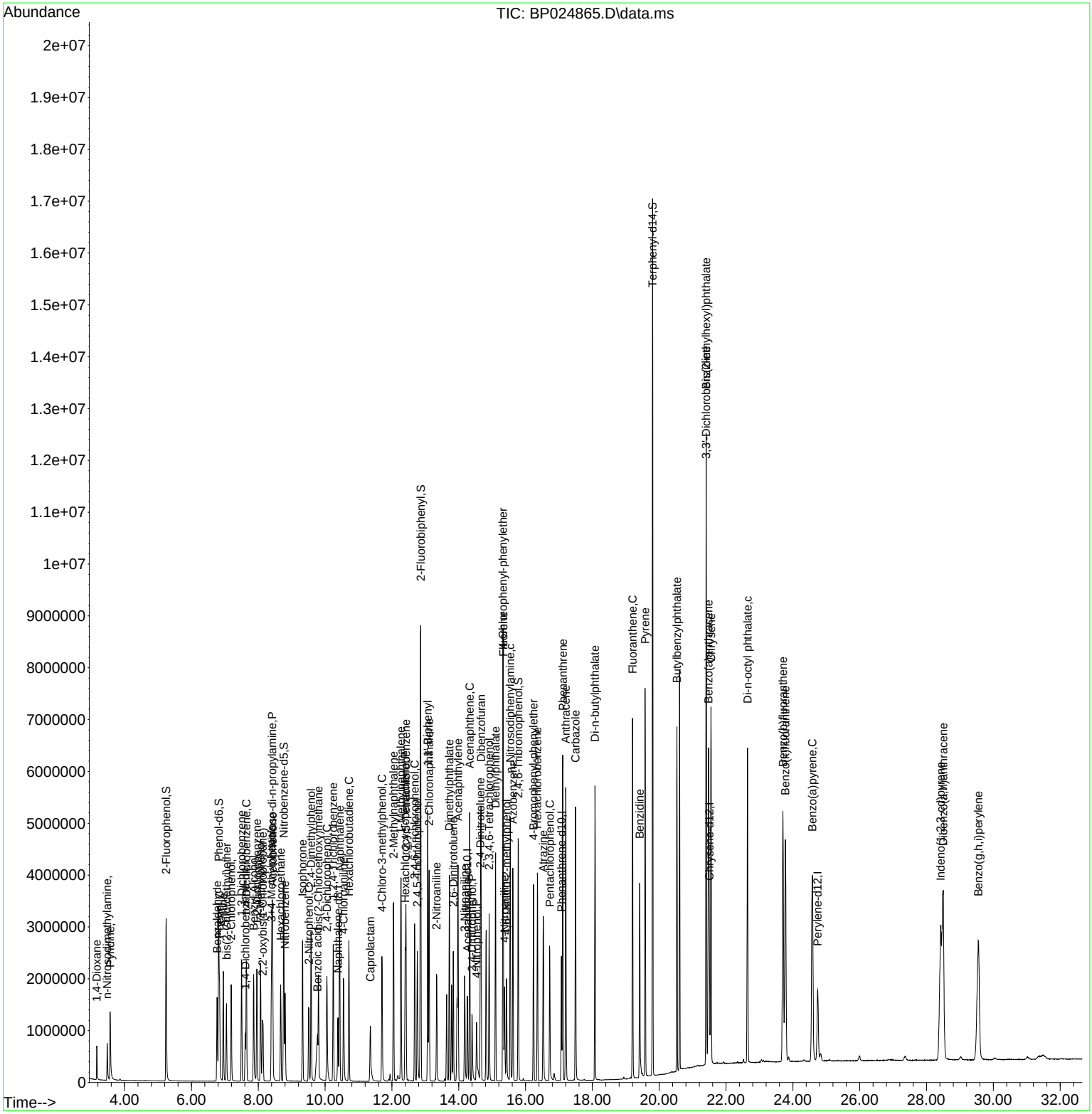
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.760	196	707702	54.908	ng		99
46) 1,1'-Biphenyl	13.072	154	2382821	51.916	ng		99
47) 2-Chloronaphthalene	13.113	162	1849683	52.435	ng		100
48) 2-Nitroaniline	13.337	65	586484	54.079	ng		99
49) Acenaphthylene	13.978	152	3062130	52.061	ng		100
50) Dimethylphthalate	13.719	163	2447212	52.527	ng		100
51) 2,6-Dinitrotoluene	13.837	165	535050	53.272	ng		98
52) Acenaphthene	14.325	154	1716357	50.924	ng		99
53) 3-Nitroaniline	14.178	138	580183	55.664	ng		99
54) 2,4-Dinitrophenol	14.401	184	321110	51.248	ng		95
55) Dibenzofuran	14.666	168	2773911	51.272	ng		99
56) 4-Nitrophenol	14.531	139	435101	51.384	ng		96
57) 2,4-Dinitrotoluene	14.648	165	768586	54.706	ng		98
58) Fluorene	15.331	166	2264731	51.819	ng		100
59) 2,3,4,6-Tetrachlorophenol	14.907	232	623685	54.063	ng		100
60) Diethylphthalate	15.101	149	2438733	52.523	ng		99
61) 4-Chlorophenyl-phenyle...	15.319	204	1118999	52.365	ng		99
62) 4-Nitroaniline	15.372	138	530012	56.050	ng		96
63) Azobenzene	15.619	77	2249353	52.821	ng		100
65) 4,6-Dinitro-2-methylph...	15.431	198	439647	55.863	ng		98
66) n-Nitrosodiphenylamine	15.542	169	1974147	53.178	ng		100
67) 4-Bromophenyl-phenylether	16.236	248	737798	54.595	ng		97
68) Hexachlorobenzene	16.354	284	867444	52.948	ng		99
69) Atrazine	16.531	200	732007	54.392	ng		98
70) Pentachlorophenol	16.725	266	486264	57.349	ng		99
71) Phenanthrene	17.113	178	3477677	52.543	ng		100
72) Anthracene	17.201	178	3558691	53.089	ng		99
73) Carbazole	17.495	167	3330211	53.599	ng		100
74) Di-n-butylphthalate	18.077	149	4253447	55.253	ng		100
75) Fluoranthene	19.201	202	4024039	52.455	ng		100
77) Benzidine	19.413	184	2202092	55.718	ng		100
78) Pyrene	19.577	202	4217295	52.900	ng		100
80) Butylbenzylphthalate	20.530	149	2045307	56.010	ng		99
81) Benzo(a)anthracene	21.477	228	4296840	52.648	ng		100
82) 3,3'-Dichlorobenzidine	21.401	252	1730292	53.402	ng		99
83) Chrysene	21.548	228	4080671	52.768	ng		99
84) Bis(2-ethylhexyl)phtha...	21.407	149	2938577	56.166	ng		99
85) Di-n-octyl phthalate	22.642	149	5061827	54.889	ng		100
87) Indeno(1,2,3-cd)pyrene	28.424	276	5749111	53.412	ng	#	93
88) Benzo(b)fluoranthene	23.701	252	4545535	53.840	ng		100
89) Benzo(k)fluoranthene	23.771	252	4641829	54.012	ng		100
90) Benzo(a)pyrene	24.583	252	4478222	54.313	ng		99
91) Dibenzo(a,h)anthracene	28.500	278	4715596	53.822	ng		99
92) Benzo(g,h,i)perylene	29.547	276	4649887	53.490	ng		100

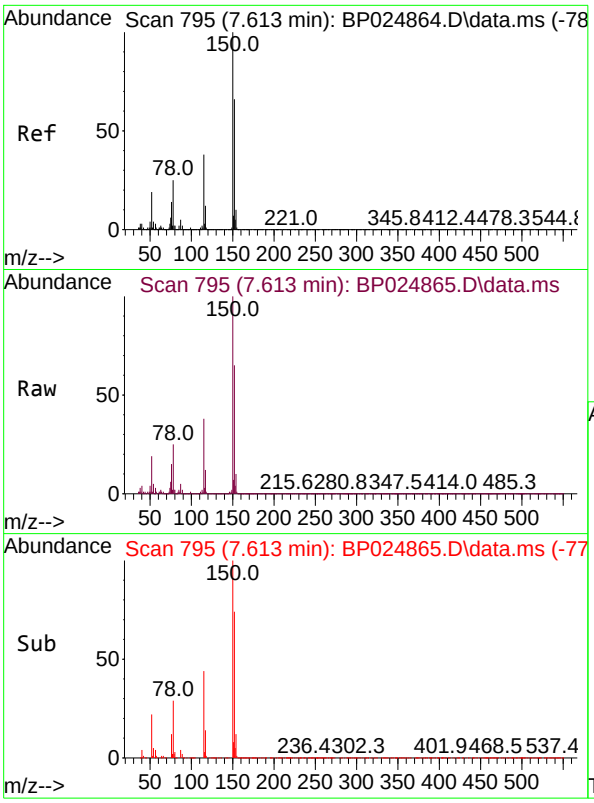
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024865.D
Acq On : 06 Jun 2025 13:56
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: Jun 06 16:03:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration



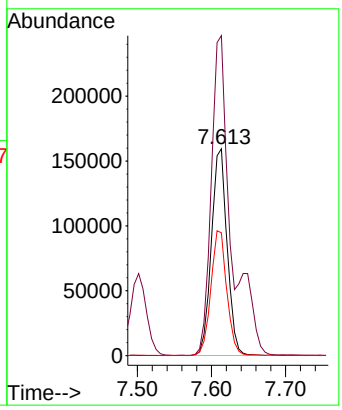


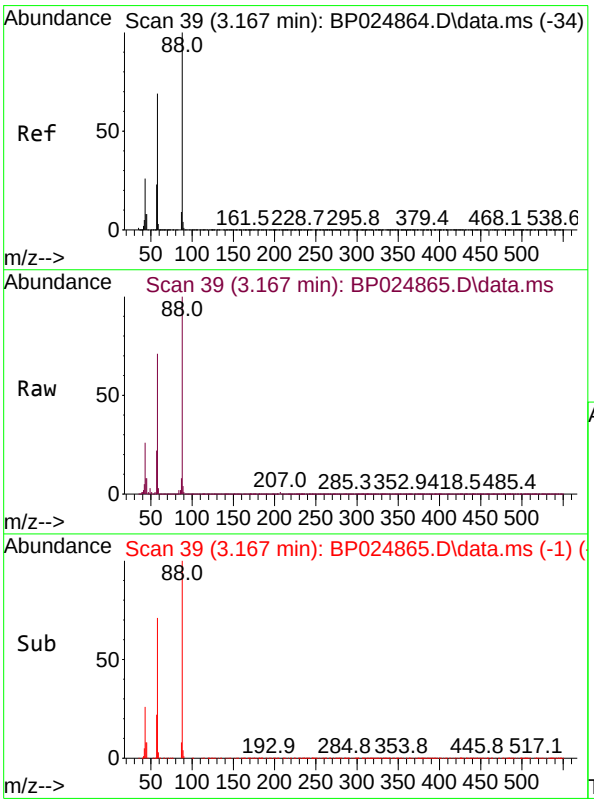
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.613 min Scan# 79
Delta R.T. 0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 235518

Ion	Ratio	Lower	Upper
152	100		
150	154.7	122.1	183.1
115	59.4	46.4	69.6

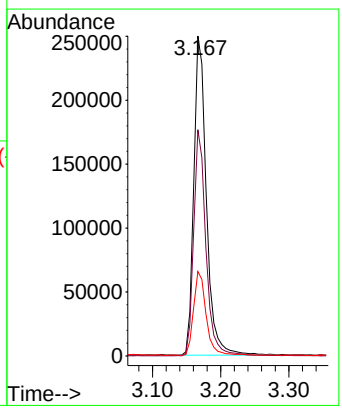


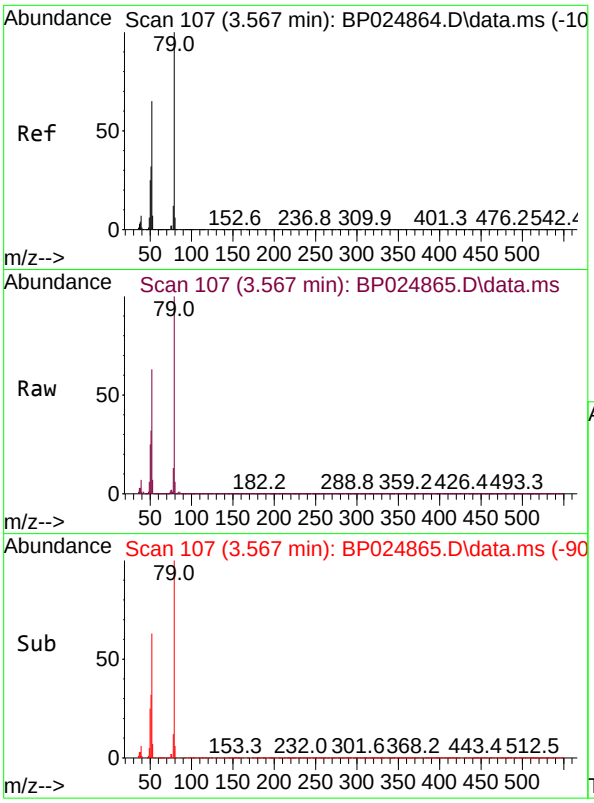


#2
1,4-Dioxane
Concen: 51.761 ng
RT: 3.167 min Scan# 39
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion: 88 Resp: 321356

Ion	Ratio	Lower	Upper
88	100		
58	69.1	55.4	83.0
43	26.2	20.8	31.2



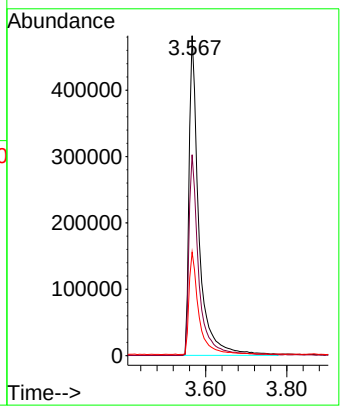


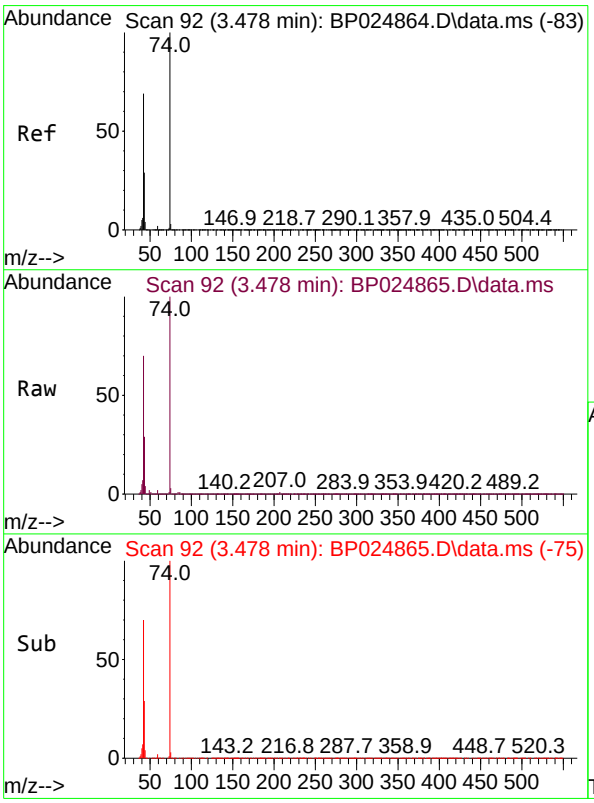
#3
Pyridine
Concen: 54.010 ng
RT: 3.567 min Scan# 10
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 806405

Ion	Ratio	Lower	Upper
79	100		
52	62.8	51.6	77.4
51	32.3	25.5	38.3

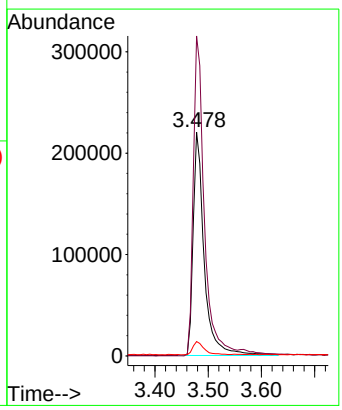


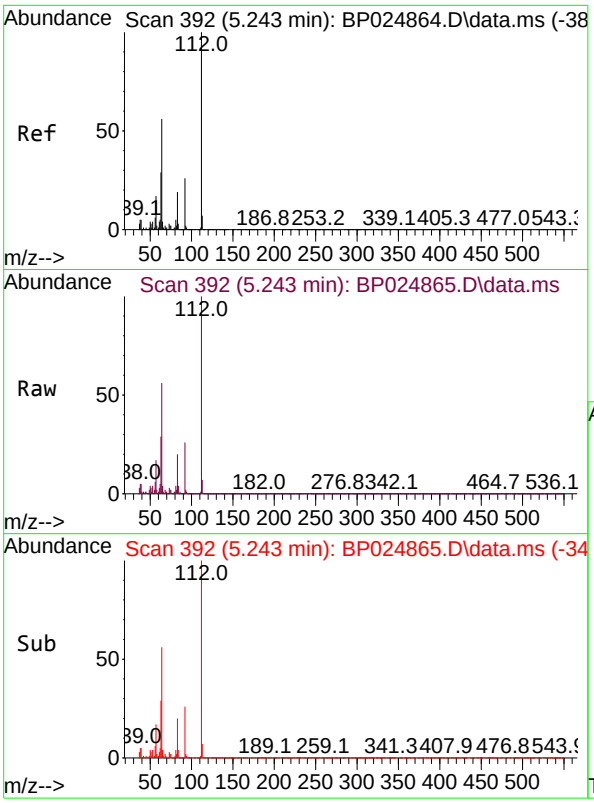


#4
n-Nitrosodimethylamine
Concen: 52.317 ng
RT: 3.478 min Scan# 92
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion: 42 Resp: 319345

Ion	Ratio	Lower	Upper
42	100		
74	143.0	116.6	174.8
44	6.4	5.4	8.0



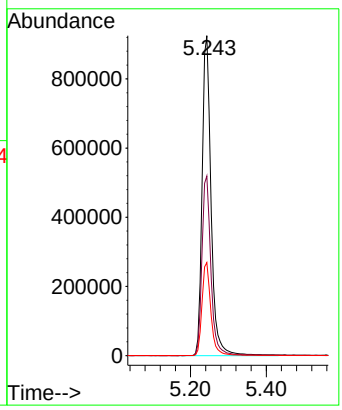


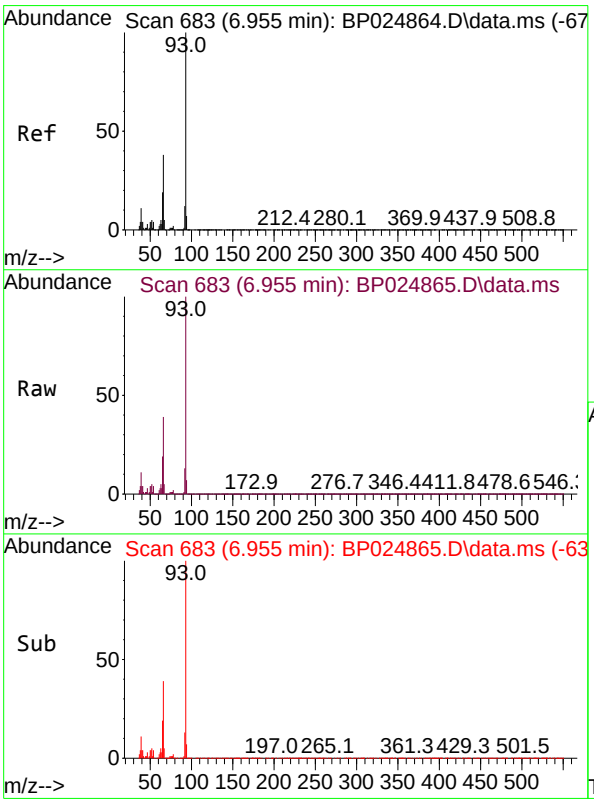
#5
2-Fluorophenol
Concen: 107.067 ng
RT: 5.243 min Scan# 39
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 1510671

Ion	Ratio	Lower	Upper
112	100		
64	56.1	44.7	67.1
63	29.1	23.5	35.3

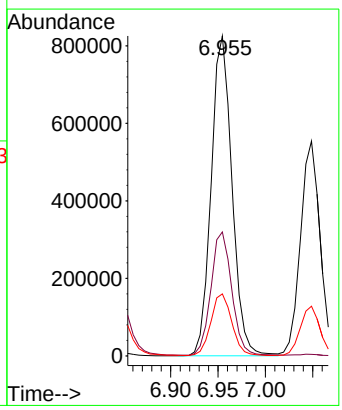


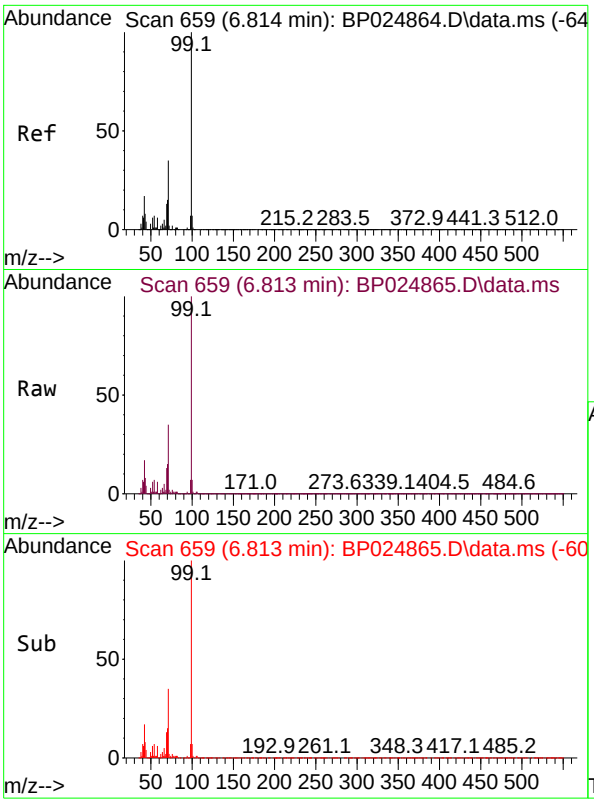


#6
Aniline
Concen: 53.024 ng
RT: 6.955 min Scan# 683
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion: 93 Resp: 1263250

Ion	Ratio	Lower	Upper
93	100		
66	38.7	30.9	46.3
65	19.4	15.5	23.3



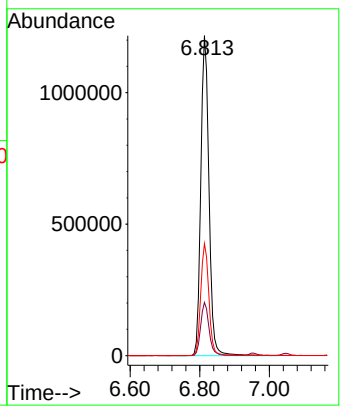


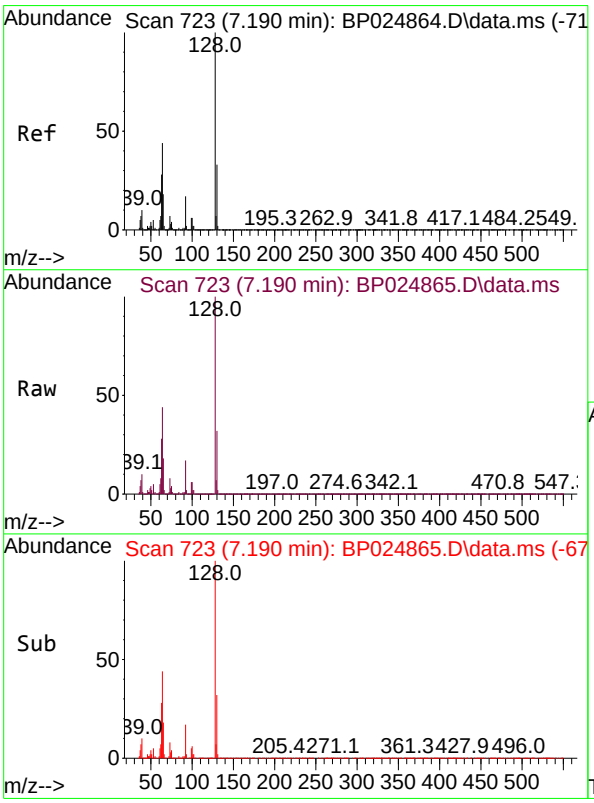
#7
Phenol-d6
Concen: 105.719 ng
RT: 6.813 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 1973616

Ion	Ratio	Lower	Upper
99	100		
42	16.6	13.4	20.2
71	35.0	27.6	41.4

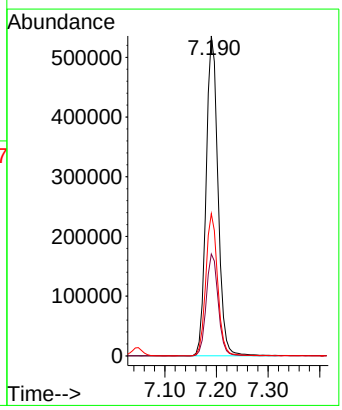


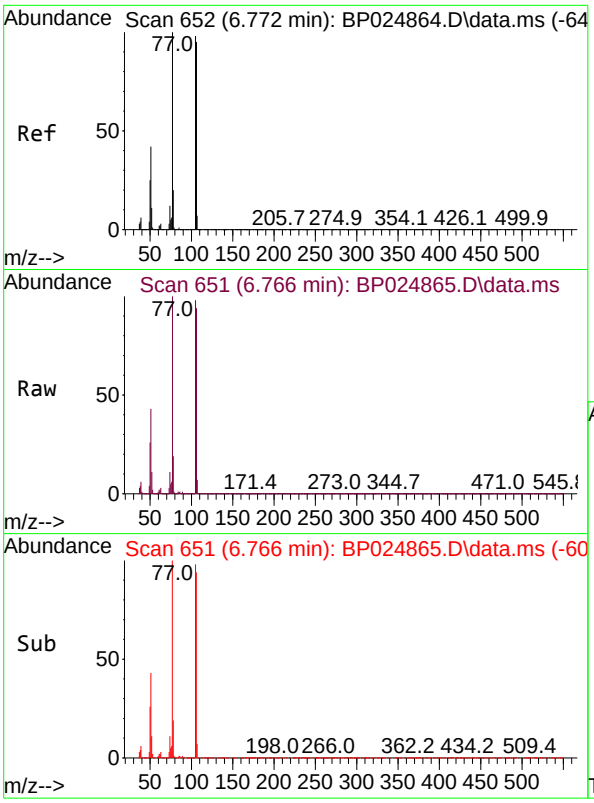


#8
2-Chlorophenol
Concen: 53.473 ng
RT: 7.190 min Scan# 723
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:128 Resp: 855311

Ion	Ratio	Lower	Upper
128	100		
130	31.8	12.6	52.6
64	44.4	24.1	64.1



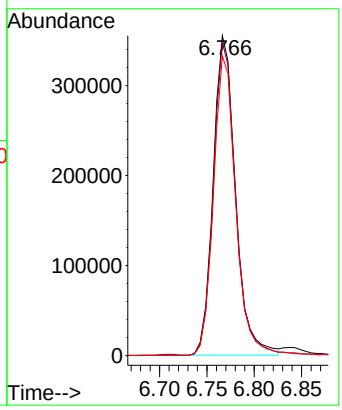


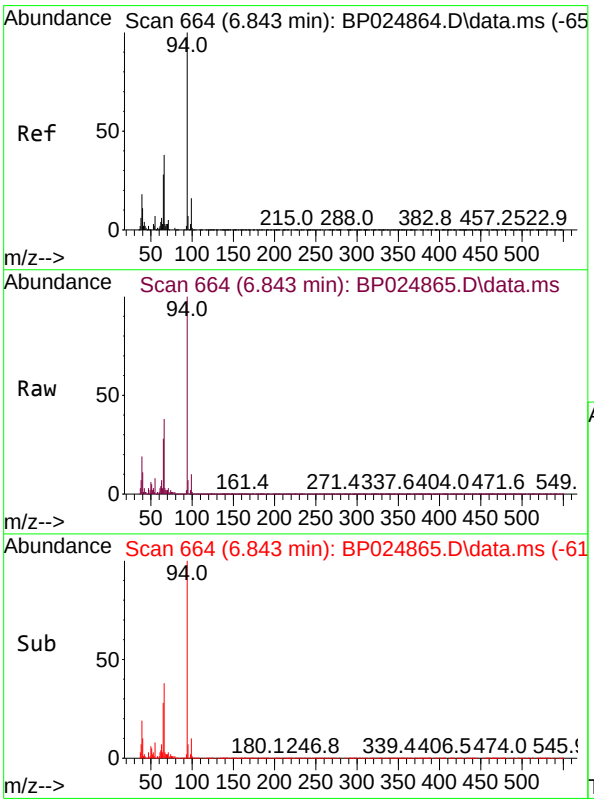
#9
Benzaldehyde
Concen: 53.748 ng
RT: 6.766 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 579996

Ion	Ratio	Lower	Upper
77	100		
105	98.1	77.7	117.7
106	93.6	74.8	114.8

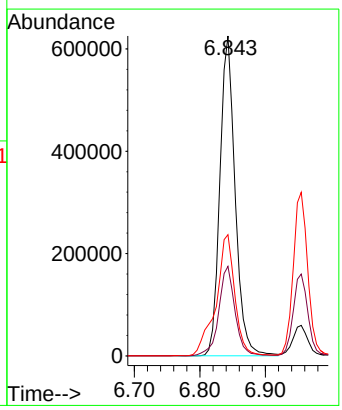


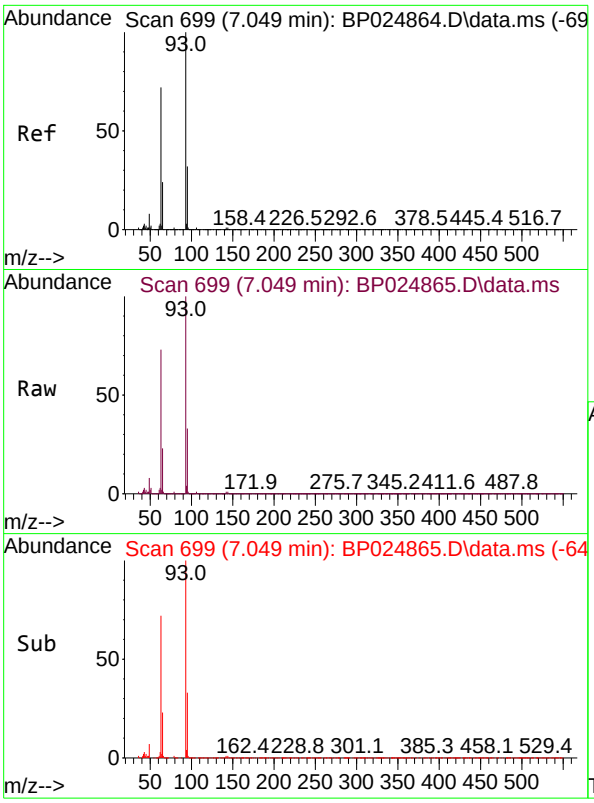


#10
Phenol
Concen: 52.761 ng
RT: 6.843 min Scan# 664
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion: 94 Resp: 1015401

Ion	Ratio	Lower	Upper
94	100		
65	28.0	8.3	48.3
66	37.9	18.2	58.2



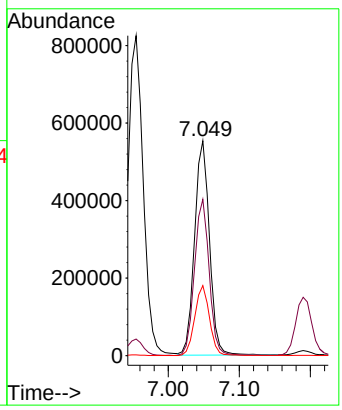


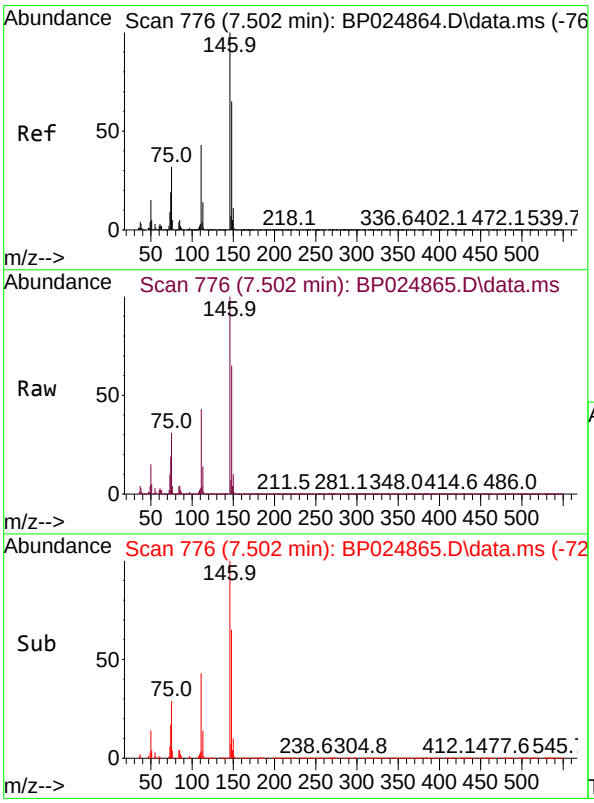
#11
bis(2-Chloroethyl)ether
Concen: 53.010 ng
RT: 7.049 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 802393

Ion	Ratio	Lower	Upper
93	100		
63	72.7	51.6	91.6
95	32.6	12.1	52.1

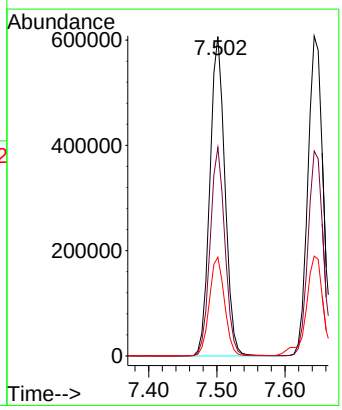


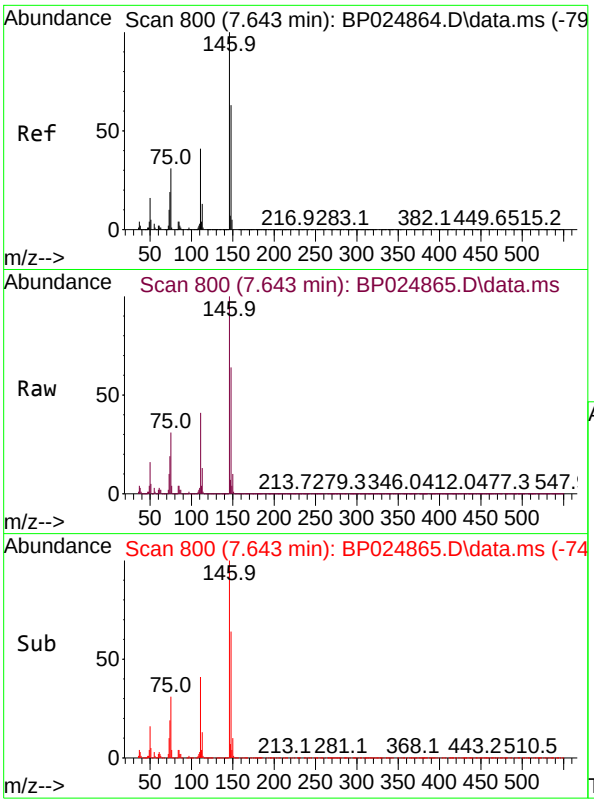


#12
1,3-Dichlorobenzene
Concen: 51.854 ng
RT: 7.502 min Scan# 776
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:146 Resp: 925262

Ion	Ratio	Lower	Upper
146	100		
148	65.3	51.8	77.8
75	30.9	25.3	37.9



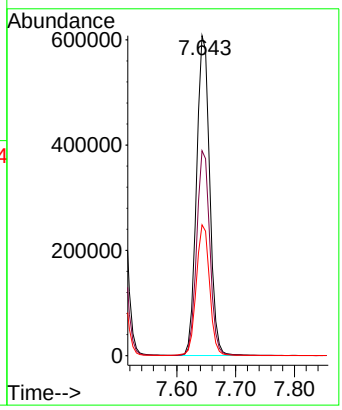


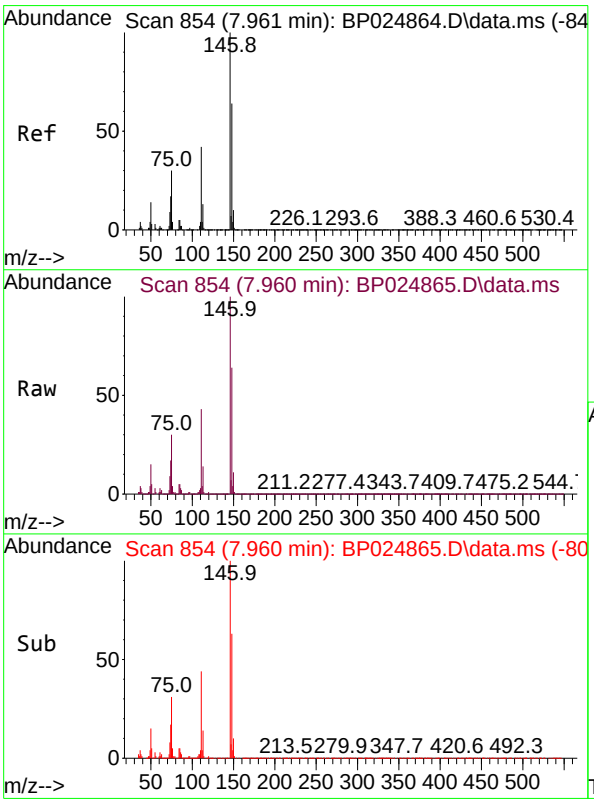
#13
1,4-Dichlorobenzene
Concen: 52.440 ng
RT: 7.643 min Scan# 80
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 944146

Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.8	76.2
111	40.9	32.7	49.1

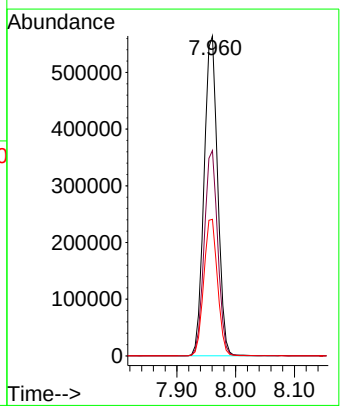


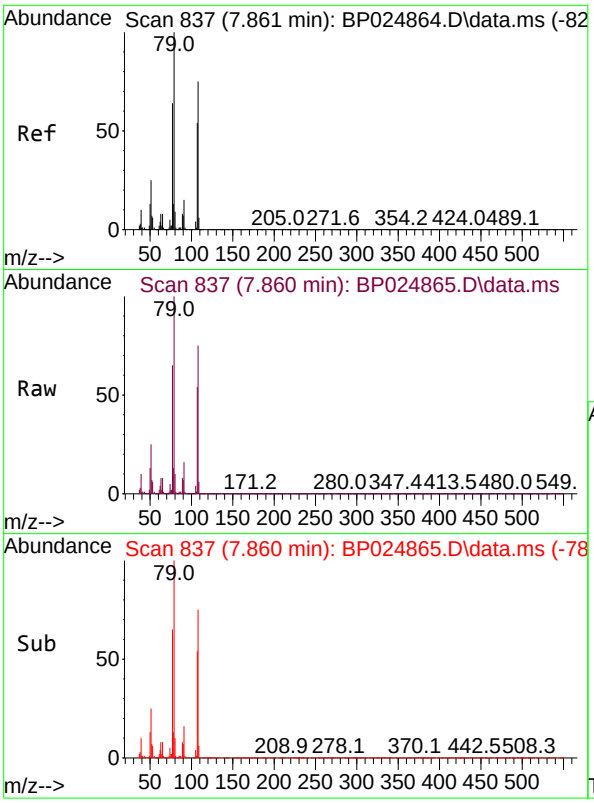


#14
1,2-Dichlorobenzene
Concen: 51.287 ng
RT: 7.960 min Scan# 854
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:146 Resp: 906741

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.0	76.4
111	42.7	33.8	50.8



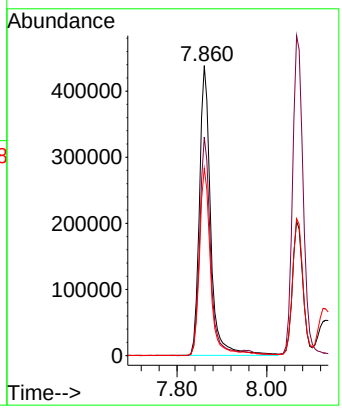


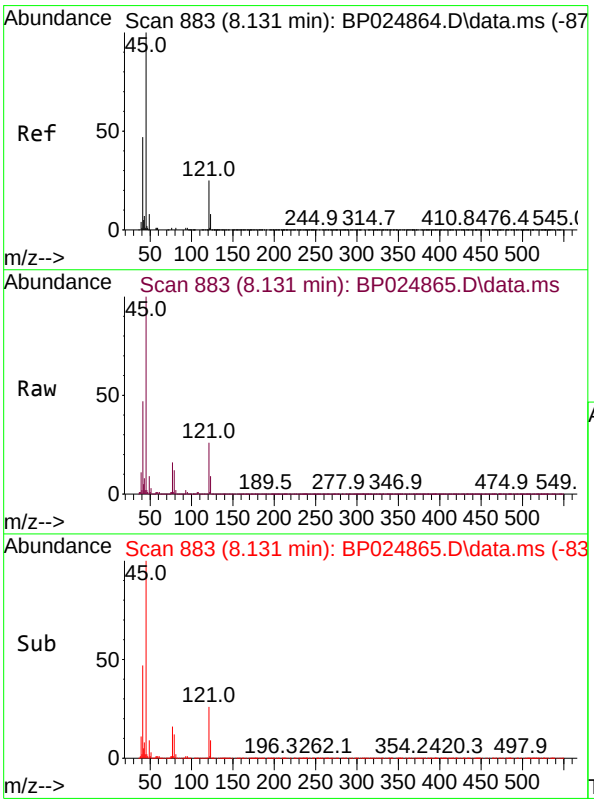
#15
Benzyl Alcohol
Concen: 52.968 ng
RT: 7.860 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 758909

Ion	Ratio	Lower	Upper
79	100		
108	75.4	60.2	90.4
77	64.6	51.2	76.8

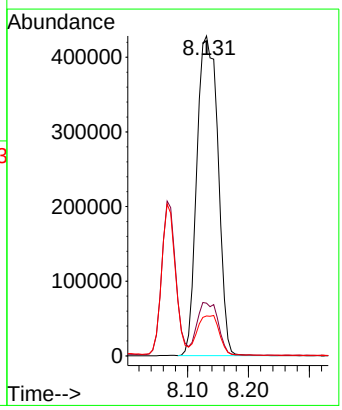


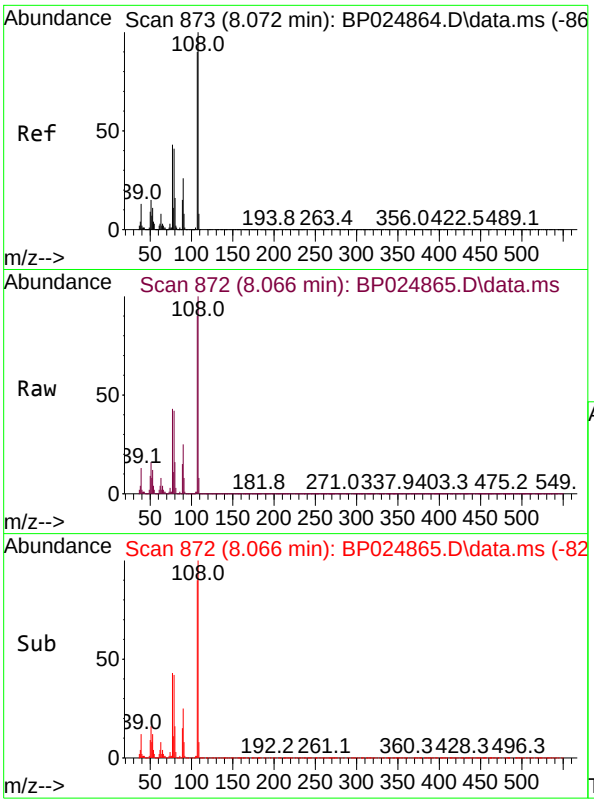


#16
2,2'-oxybis(1-Chloropropane)
Concen: 52.035 ng
RT: 8.131 min Scan# 883
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion: 45 Resp: 1030911

Ion	Ratio	Lower	Upper
45	100		
77	16.5	0.0	36.3
79	12.5	0.0	32.2



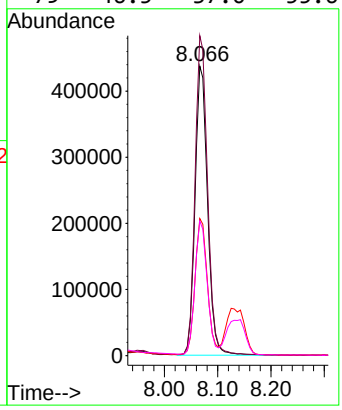


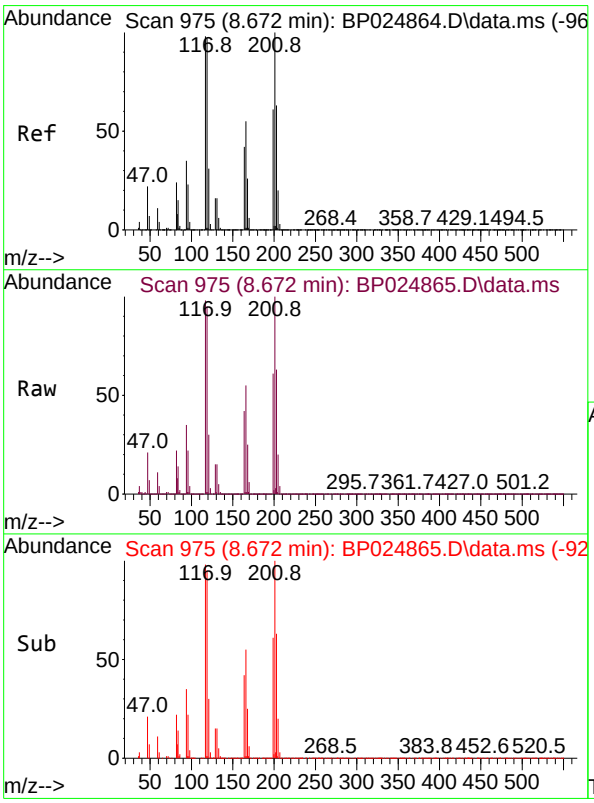
#17
2-Methylphenol
Concen: 53.013 ng
RT: 8.066 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 712455

Ion	Ratio	Lower	Upper
107	100		
108	110.5	88.6	132.8
77	47.4	38.5	57.7
79	46.5	37.0	55.6

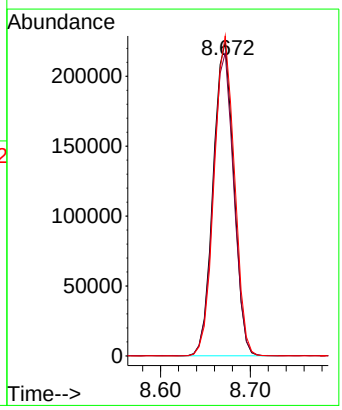


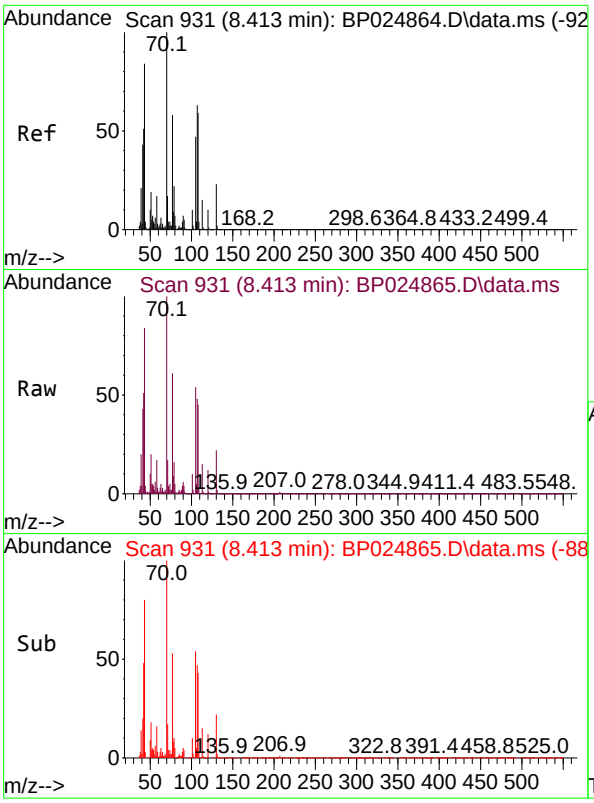


#18
Hexachloroethane
Concen: 53.107 ng
RT: 8.672 min Scan# 975
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:117 Resp: 359979

Ion	Ratio	Lower	Upper
117	100		
119	96.6	79.4	119.2
201	102.1	81.4	122.2



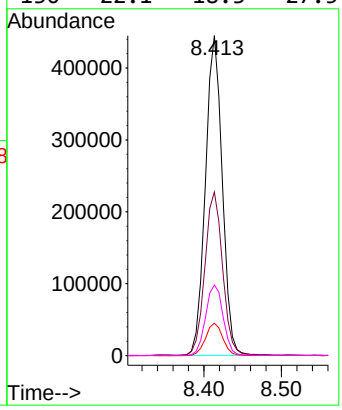


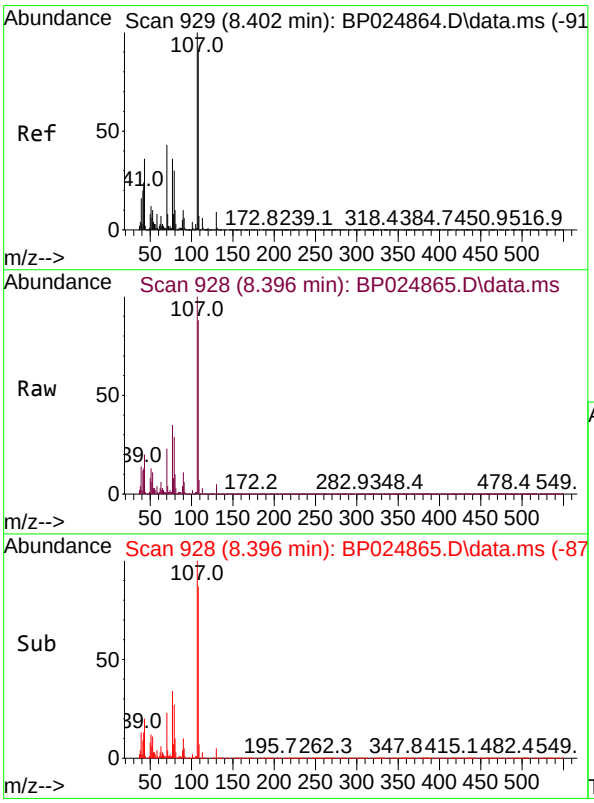
#19
n-Nitroso-di-n-propylamine
Concen: 52.919 ng
RT: 8.413 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 671592

Ion	Ratio	Lower	Upper
70	100		
42	51.1	41.2	61.8
101	10.1	8.3	12.5
130	22.1	18.3	27.5

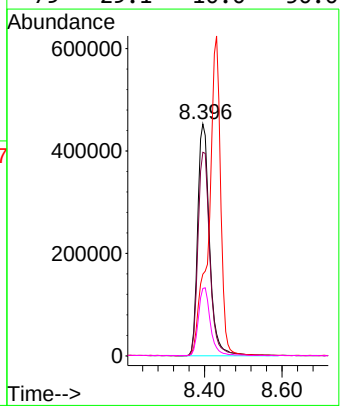


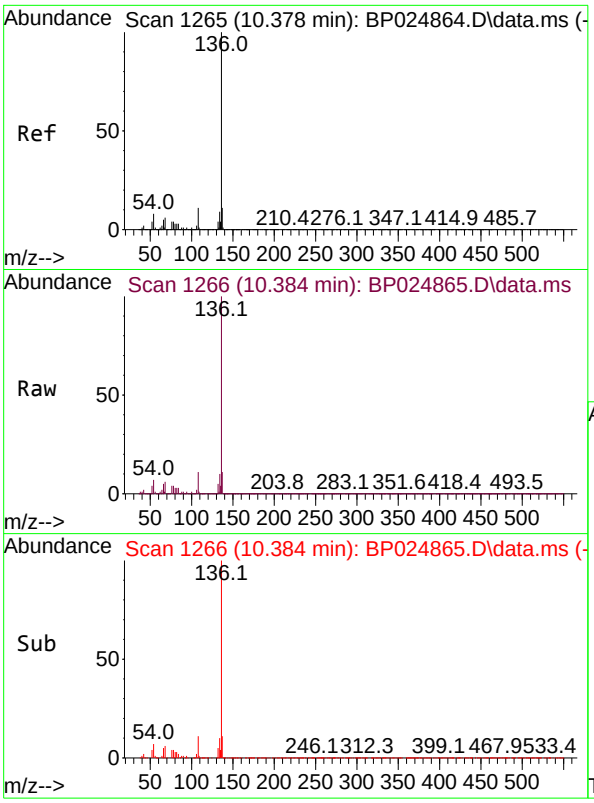


#20
3+4-Methylphenols
Concen: 52.385 ng
RT: 8.396 min Scan# 928
Delta R.T. -0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:107 Resp: 960504

Ion	Ratio	Lower	Upper
107	100		
108	87.8	70.7	110.7
77	35.2	16.6	56.6
79	29.1	10.0	50.0



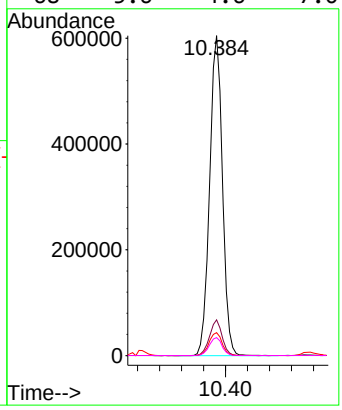


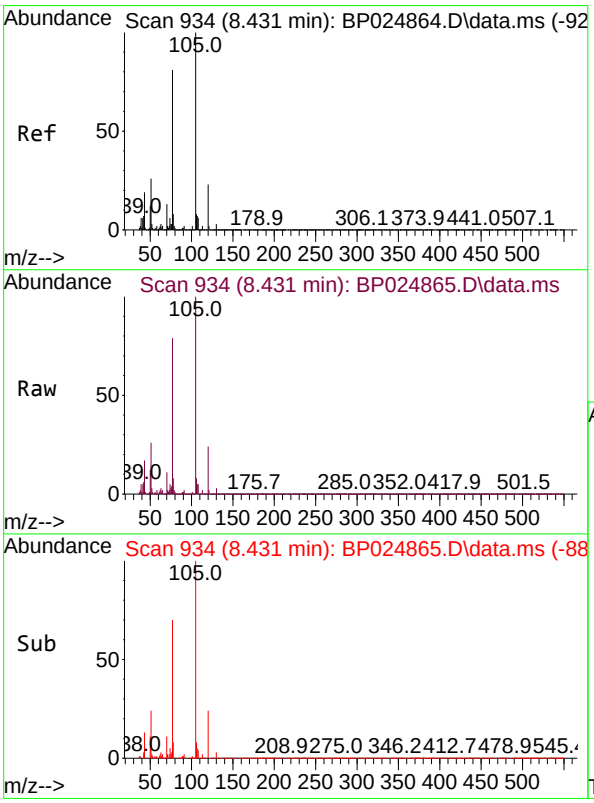
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.384 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 975092

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.2	6.1	9.1
68	5.6	4.6	7.0

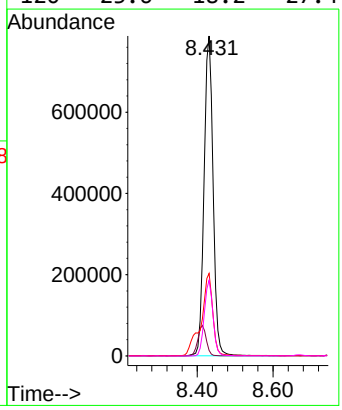


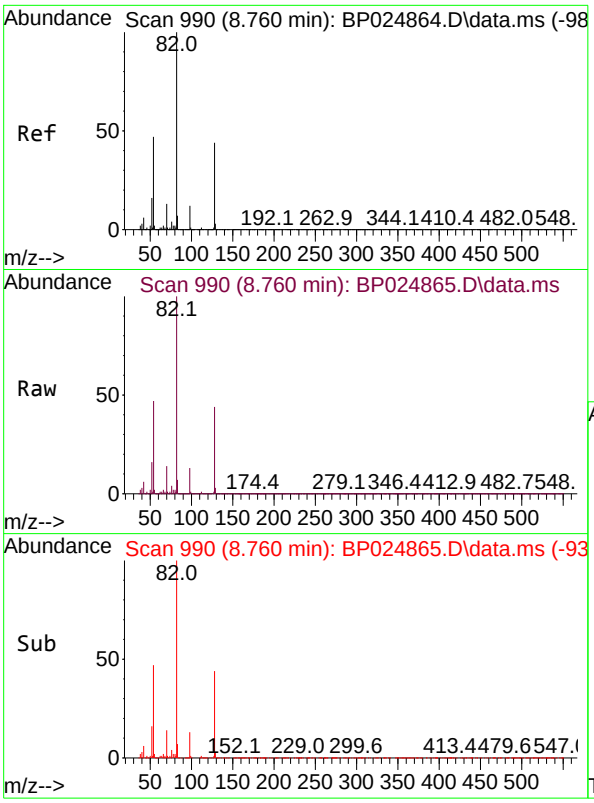


#22
Acetophenone
Concen: 52.966 ng
RT: 8.431 min Scan# 934
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:105 Resp: 1304864

Ion	Ratio	Lower	Upper
105	100		
71	1.7	1.6	2.4
51	25.8	20.6	31.0
120	23.6	18.2	27.4



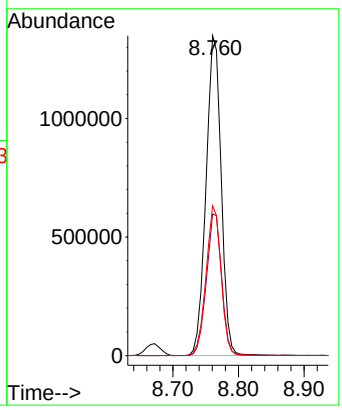


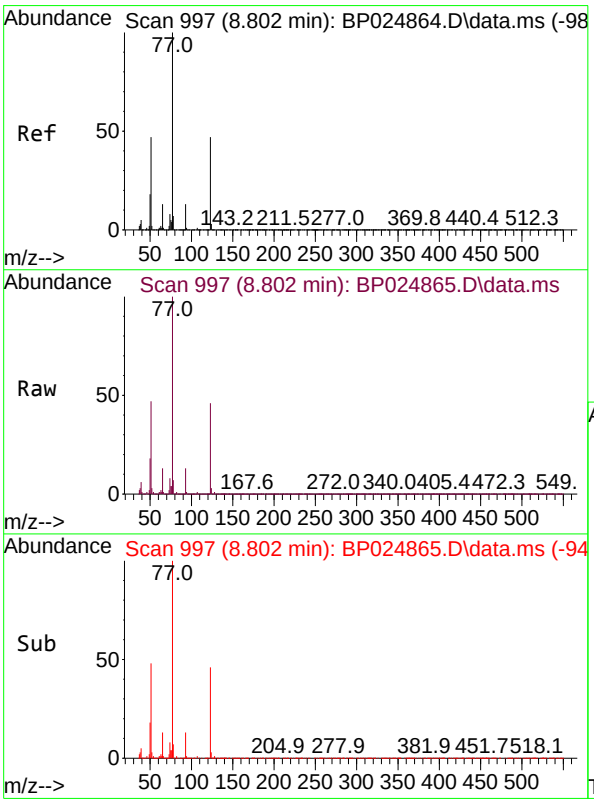
#23
Nitrobenzene-d5
Concen: 107.931 ng
RT: 8.760 min Scan# 99
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 2165794

Ion	Ratio	Lower	Upper
82	100		
128	44.3	35.3	52.9
54	46.8	37.4	56.0

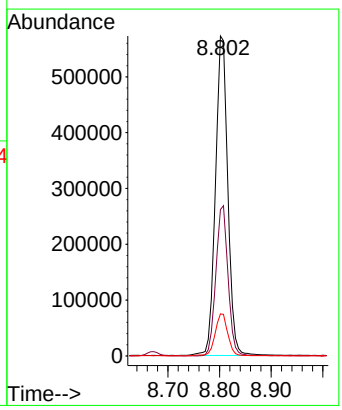


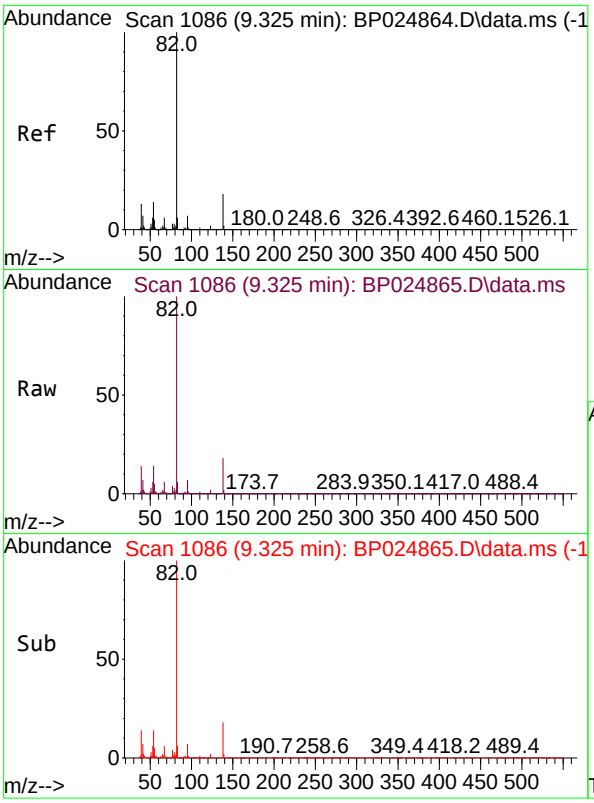


#24
Nitrobenzene
Concen: 53.620 ng
RT: 8.802 min Scan# 997
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion: 77 Resp: 955872

Ion	Ratio	Lower	Upper
77	100		
123	45.7	37.3	55.9
65	13.1	10.8	16.2



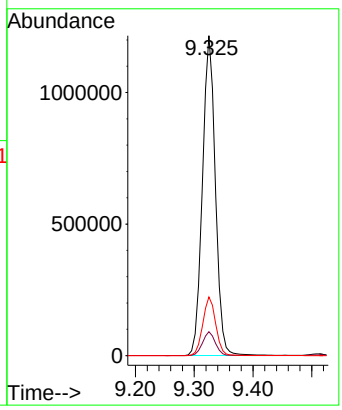


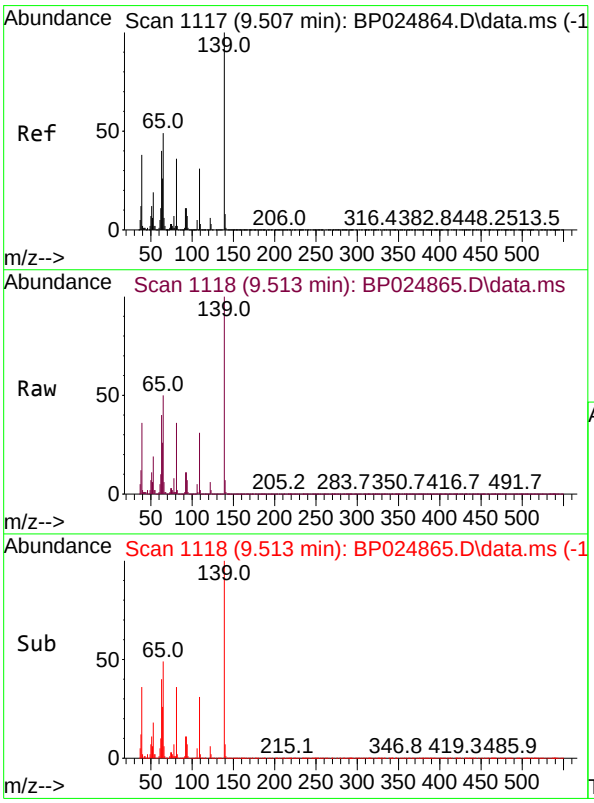
#25
Isophorone
Concen: 53.556 ng
RT: 9.325 min Scan# 10
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1862532

Ion	Ratio	Lower	Upper
82	100		
95	7.5	5.9	8.9
138	18.3	14.6	21.8

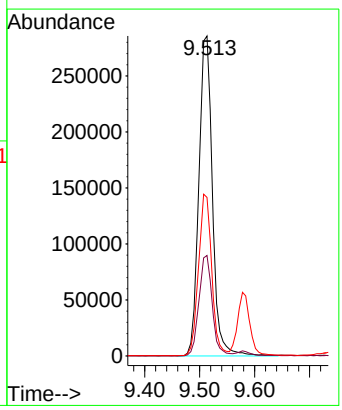


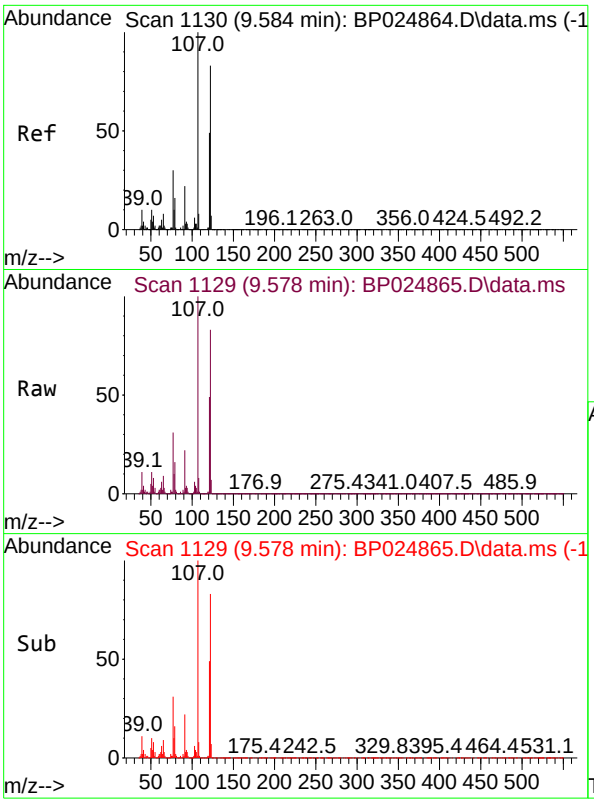


#26
2-Nitrophenol
Concen: 55.657 ng
RT: 9.513 min Scan# 1118
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:139 Resp: 489550

Ion	Ratio	Lower	Upper
139	100		
109	31.4	24.6	37.0
65	49.5	39.5	59.3



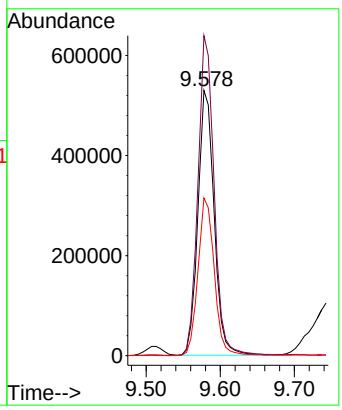


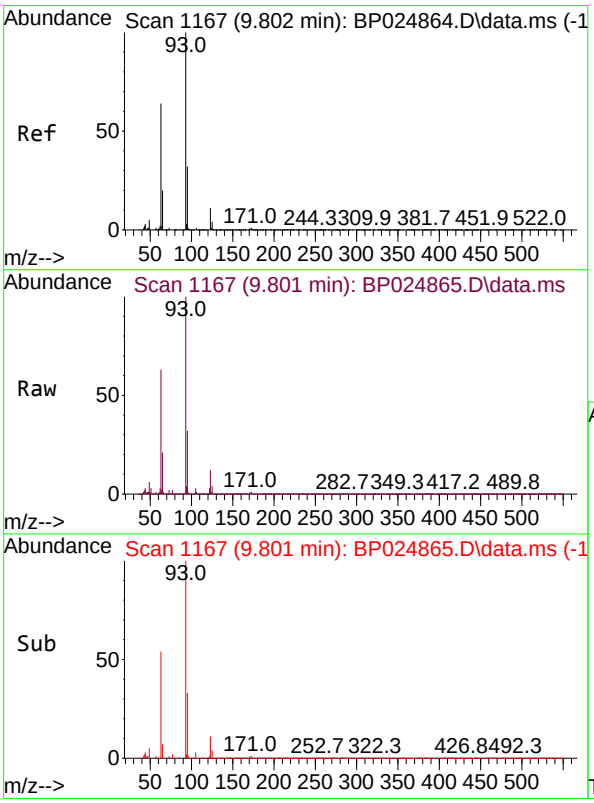
#27
2,4-Dimethylphenol
Concen: 53.602 ng
RT: 9.578 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 806896

Ion	Ratio	Lower	Upper
122	100		
107	120.7	96.2	144.4
121	59.5	47.0	70.4

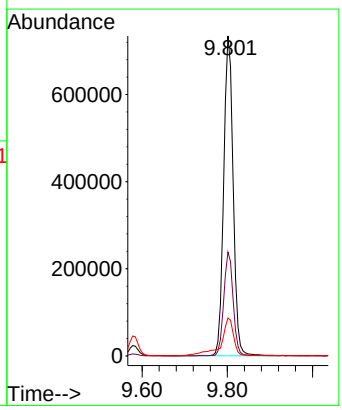


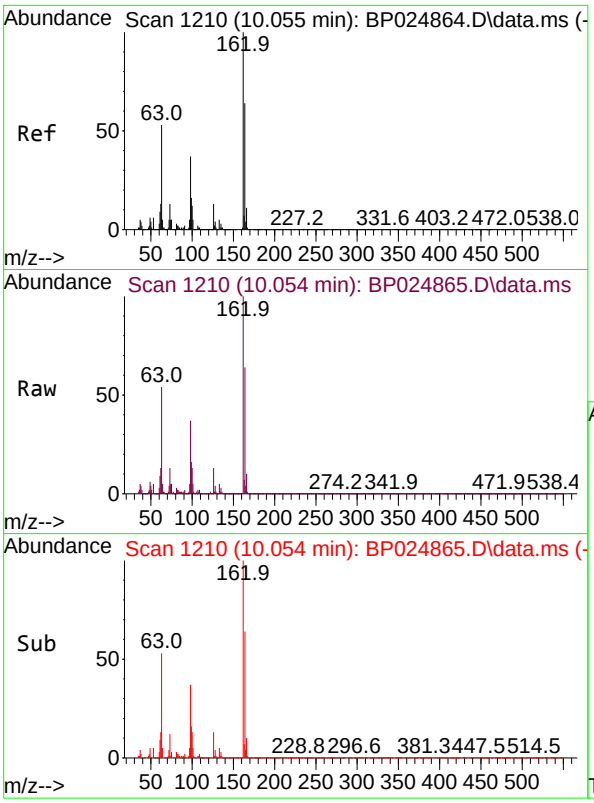


#28
bis(2-Chloroethoxy)methane
Concen: 54.643 ng
RT: 9.801 min Scan# 1167
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion: 93 Resp: 1133590

Ion	Ratio	Lower	Upper
93	100		
95	32.4	25.5	38.3
123	11.8	9.2	13.8



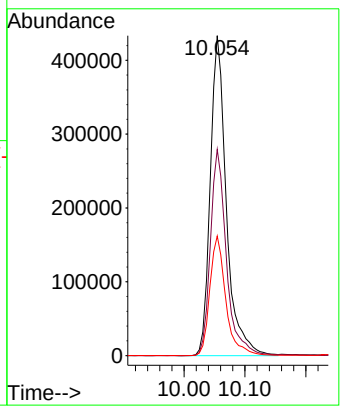


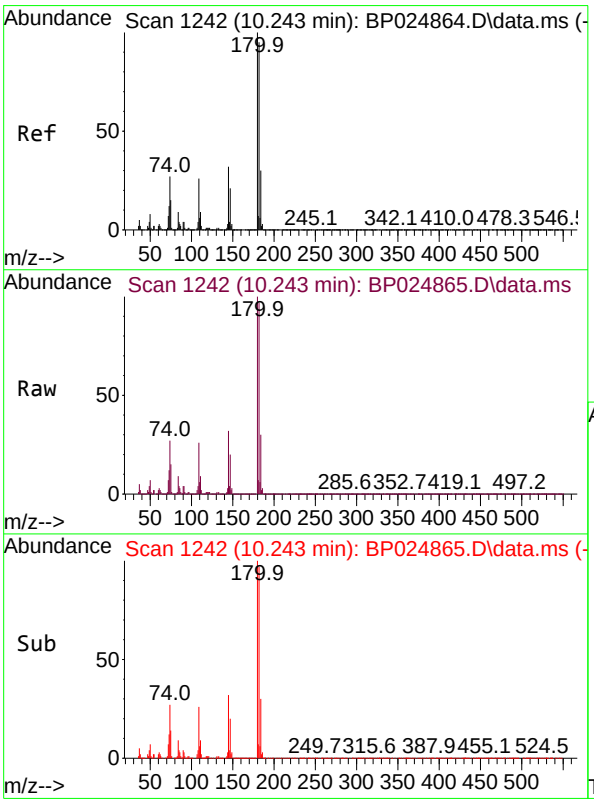
#29
2,4-Dichlorophenol
Concen: 55.201 ng
RT: 10.054 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 797316

Ion	Ratio	Lower	Upper
162	100		
164	64.4	44.0	84.0
98	37.4	16.9	56.9

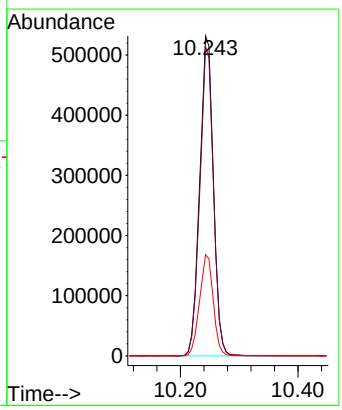


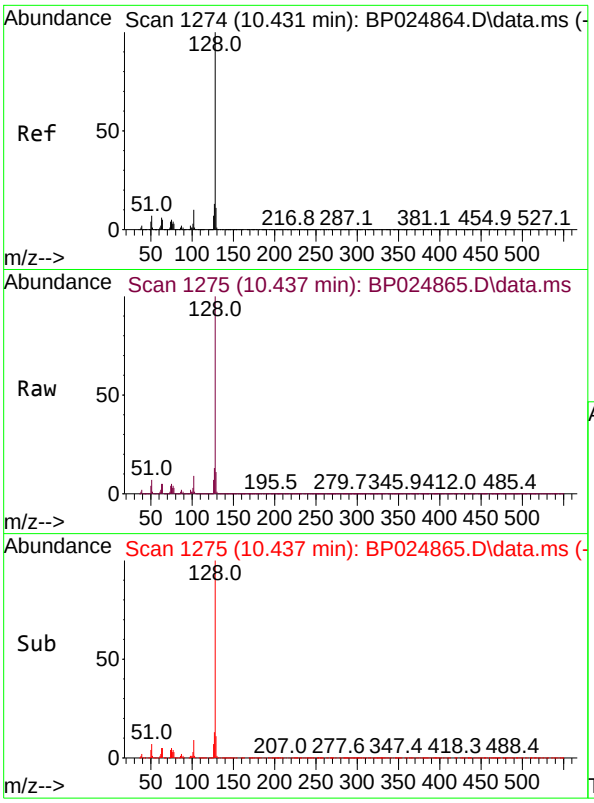


#30
1,2,4-Trichlorobenzene
Concen: 52.640 ng
RT: 10.243 min Scan# 1242
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:180 Resp: 857570

Ion	Ratio	Lower	Upper
180	100		
182	96.7	75.8	113.6
145	31.7	25.7	38.5



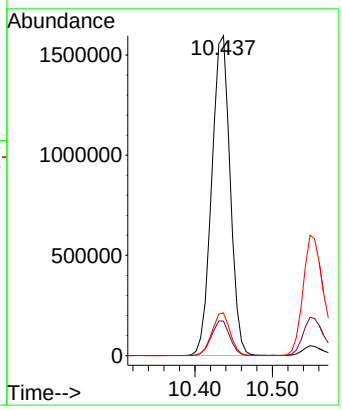


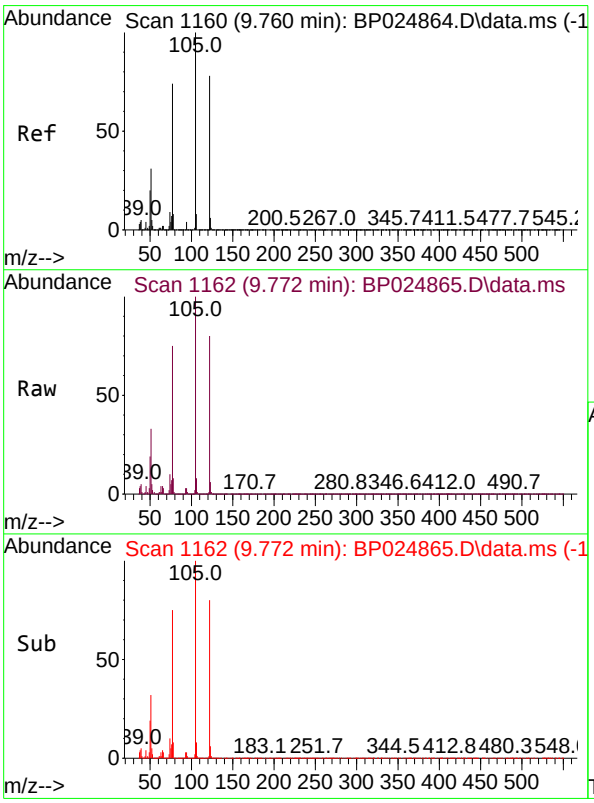
#31
Naphthalene
Concen: 52.637 ng
RT: 10.437 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 2630251

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.7	13.1
127	13.3	10.7	16.1

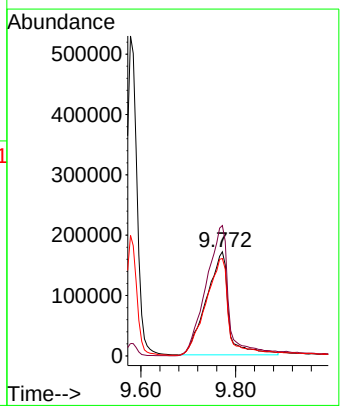


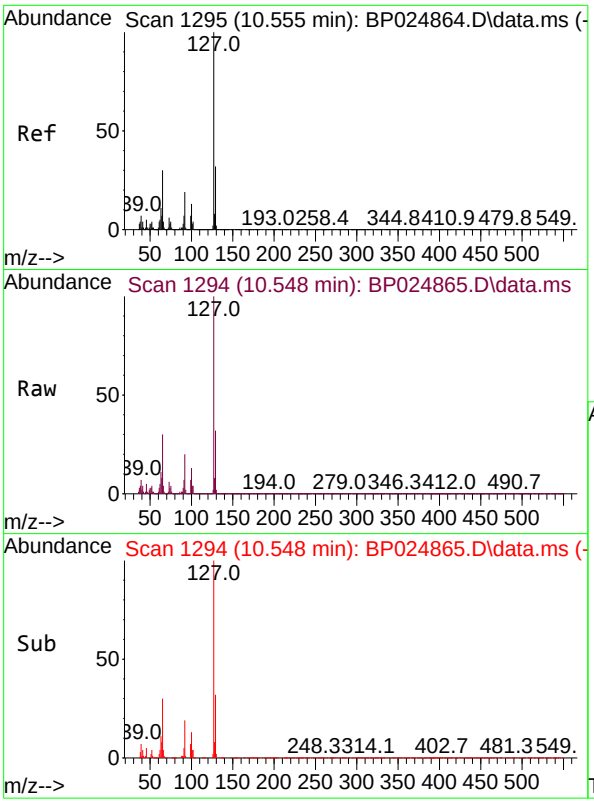


#32
Benzoic acid
Concen: 55.936 ng
RT: 9.772 min Scan# 1162
Delta R.T. 0.012 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:122 Resp: 561400

Ion	Ratio	Lower	Upper
122	100		
105	125.3	107.1	147.1
77	93.6	75.1	115.1



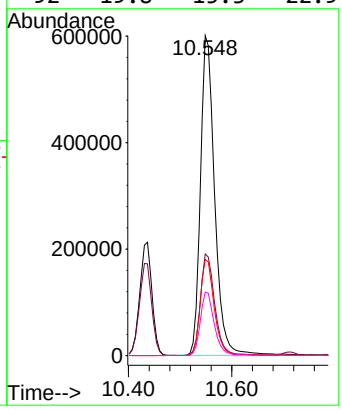


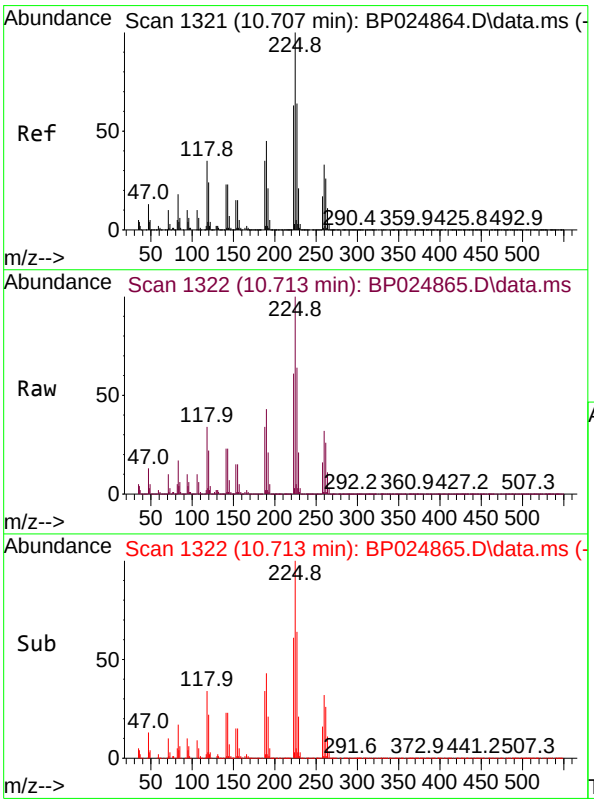
#33
4-Chloroaniline
Concen: 54.855 ng
RT: 10.548 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 1148401

Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.9	38.9
65	30.1	23.9	35.9
92	19.8	15.3	22.9

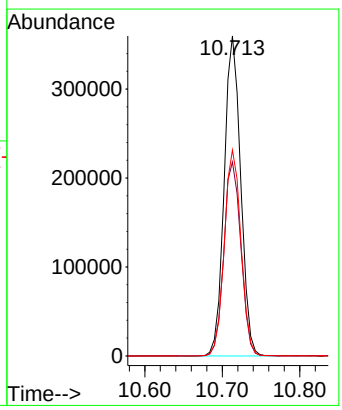


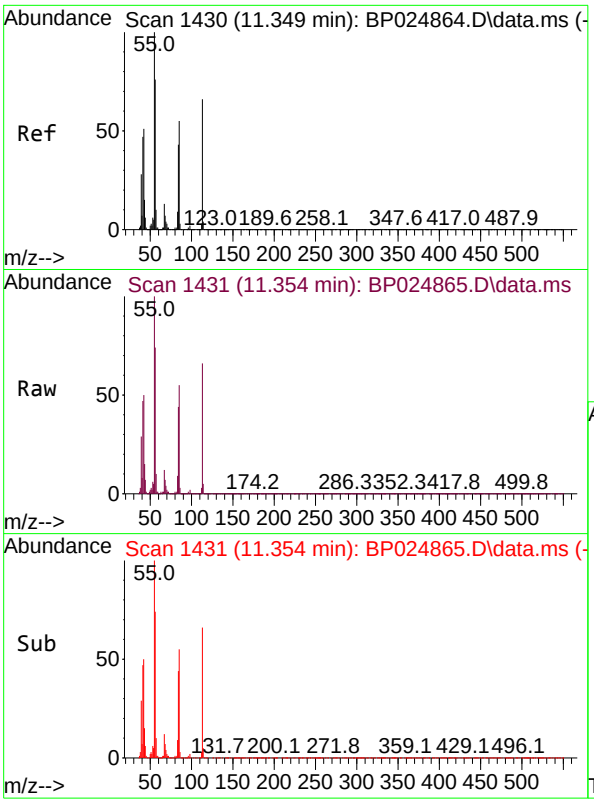


#34
Hexachlorobutadiene
Concen: 54.184 ng
RT: 10.713 min Scan# 1322
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:225 Resp: 532031

Ion	Ratio	Lower	Upper
225	100		
223	60.6	50.5	75.7
227	64.3	51.4	77.2



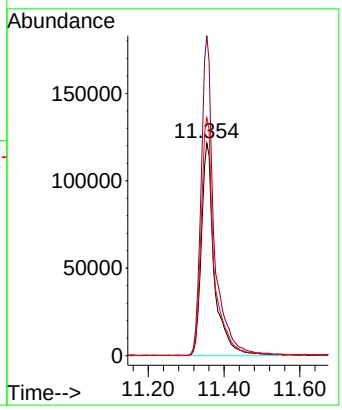


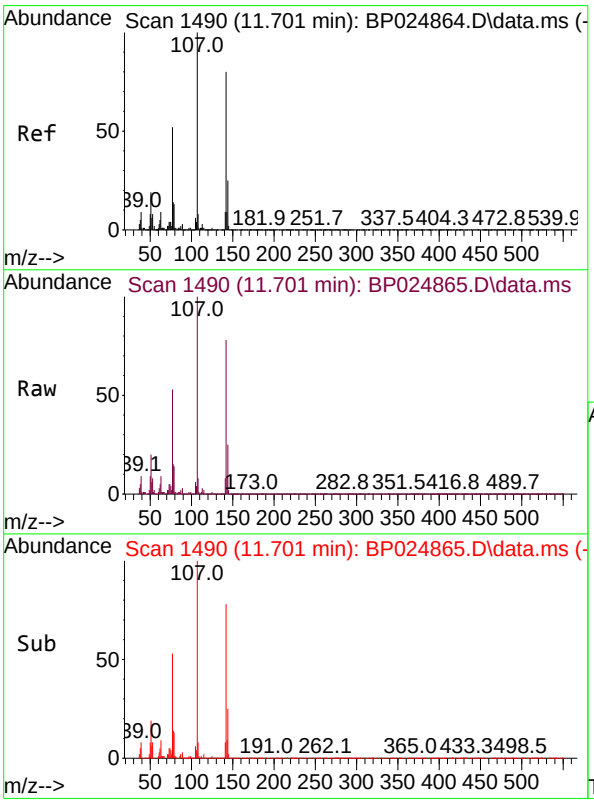
#35
Caprolactam
Concen: 54.183 ng
RT: 11.354 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 288081

Ion	Ratio	Lower	Upper
113	100		
55	150.6	132.5	172.5
56	112.0	96.0	136.0

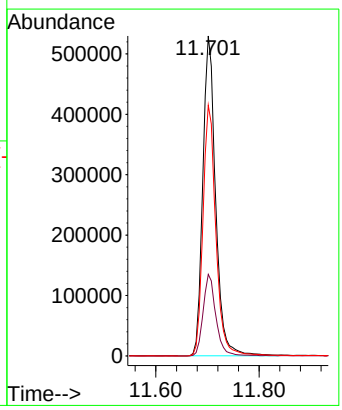


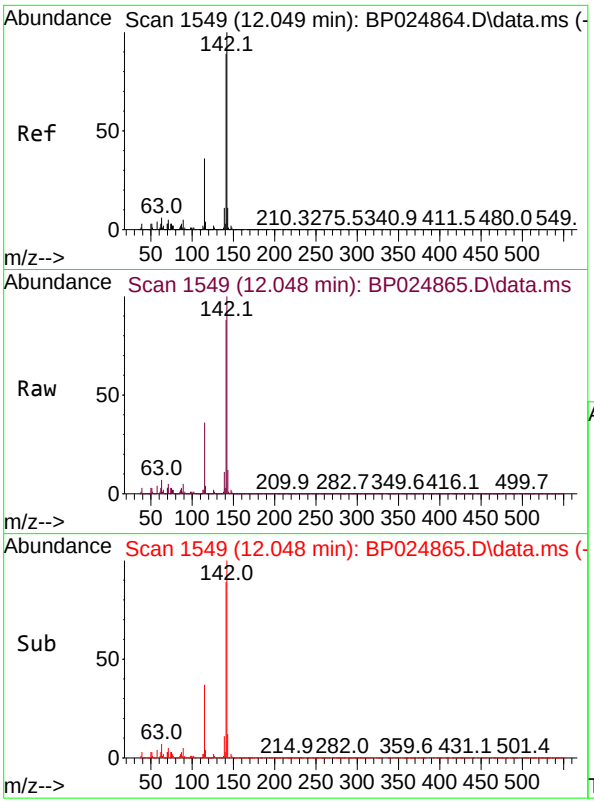


#36
4-Chloro-3-methylphenol
Concen: 54.747 ng
RT: 11.701 min Scan# 1490
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:107 Resp: 912092

Ion	Ratio	Lower	Upper
107	100		
144	25.5	20.4	30.6
142	78.3	63.8	95.6



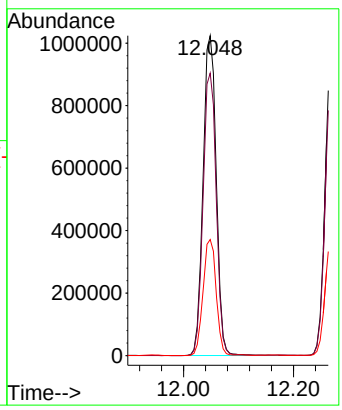


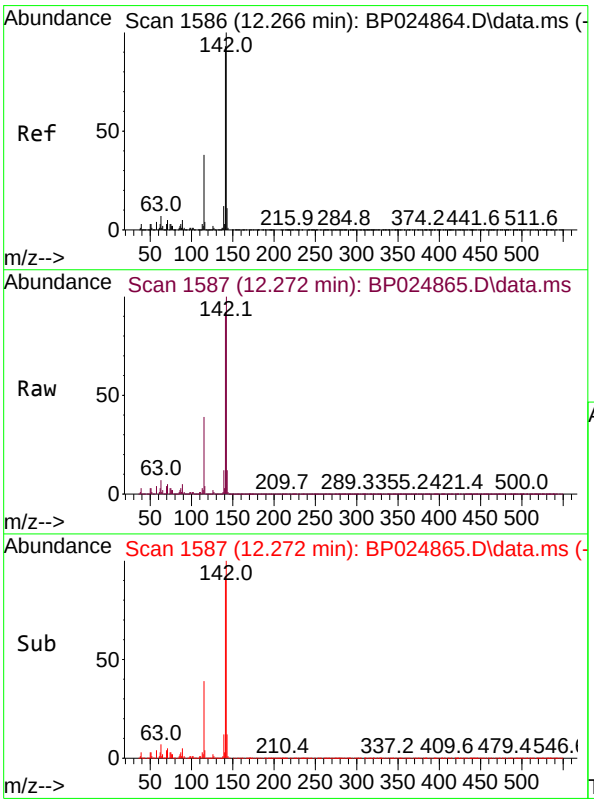
#37
2-Methylnaphthalene
Concen: 53.539 ng
RT: 12.048 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 1697018

Ion	Ratio	Lower	Upper
142	100		
141	88.3	71.2	106.8
115	36.3	28.5	42.7

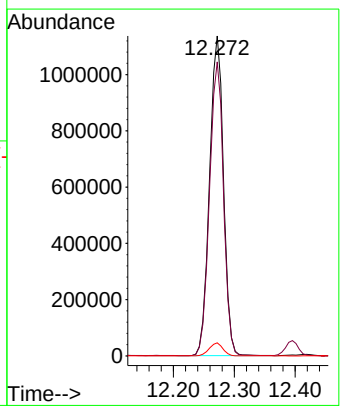


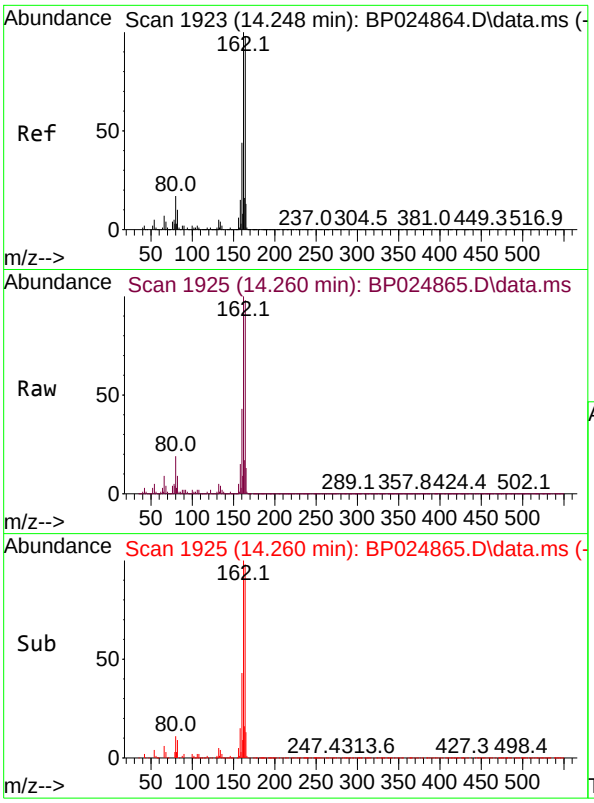


#38
1-Methylnaphthalene
Concen: 53.333 ng
RT: 12.272 min Scan# 1587
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:142 Resp: 1807332

Ion	Ratio	Lower	Upper
142	100		
141	91.9	74.7	112.1
116	4.1	3.4	5.0



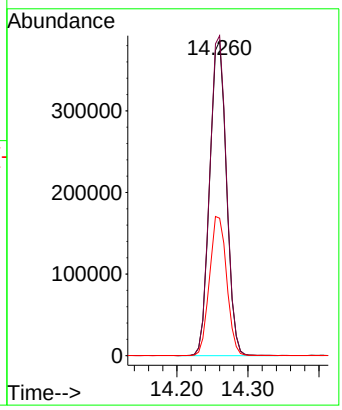


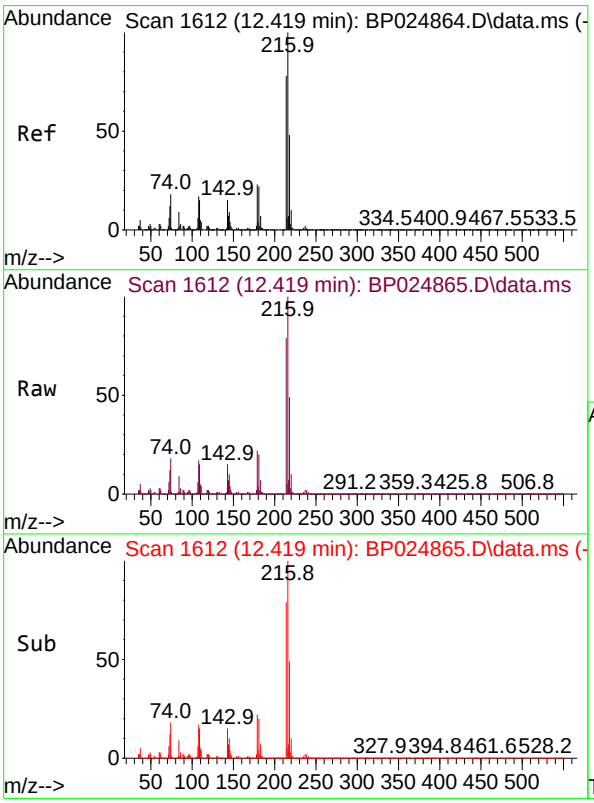
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.260 min Scan# 19
Delta R.T. 0.012 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 631564

Ion	Ratio	Lower	Upper
164	100		
162	101.7	81.6	122.4
160	43.7	36.2	54.2

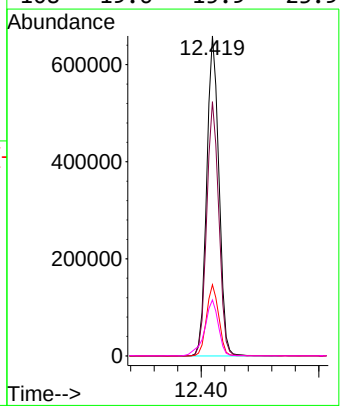


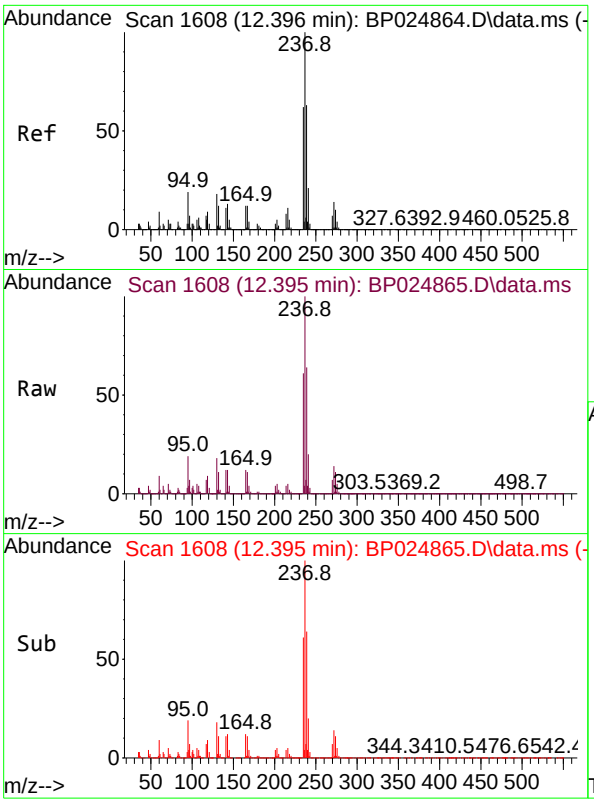


#40
1,2,4,5-Tetrachlorobenzene
Concen: 52.992 ng
RT: 12.419 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:216 Resp: 949667

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.0	94.4
179	22.2	17.8	26.6
108	19.6	15.9	23.9



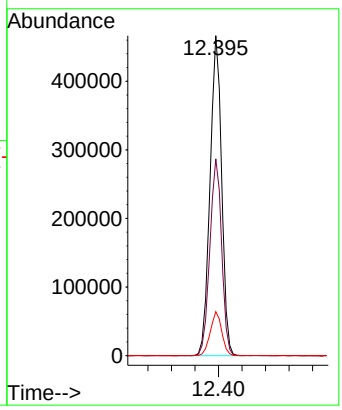


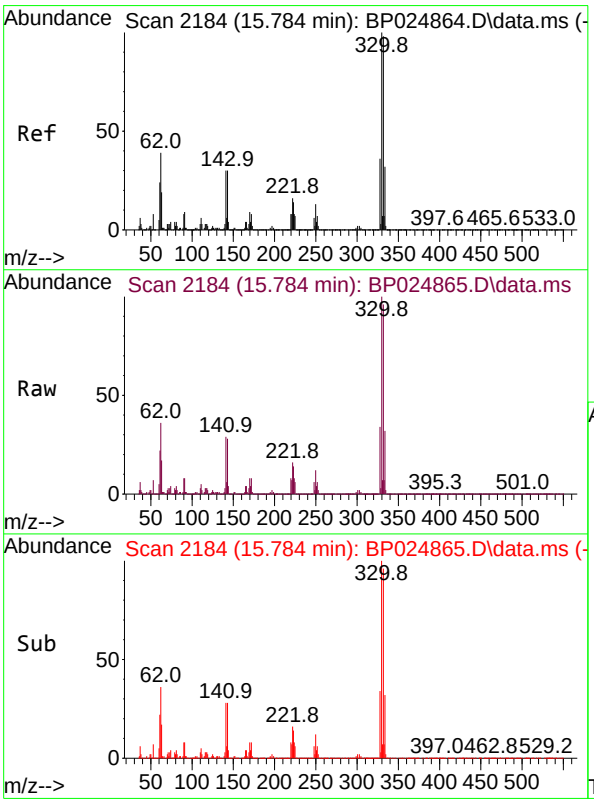
#41
Hexachlorocyclopentadiene
Concen: 58.420 ng
RT: 12.395 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 638568

Ion	Ratio	Lower	Upper
237	100		
235	61.5	41.9	81.9
272	13.7	0.0	33.7

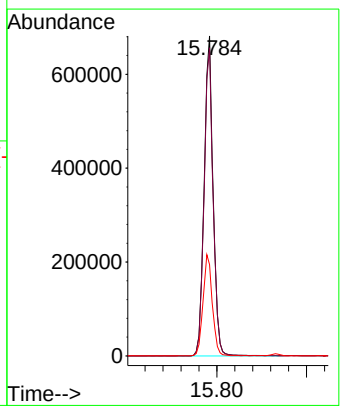


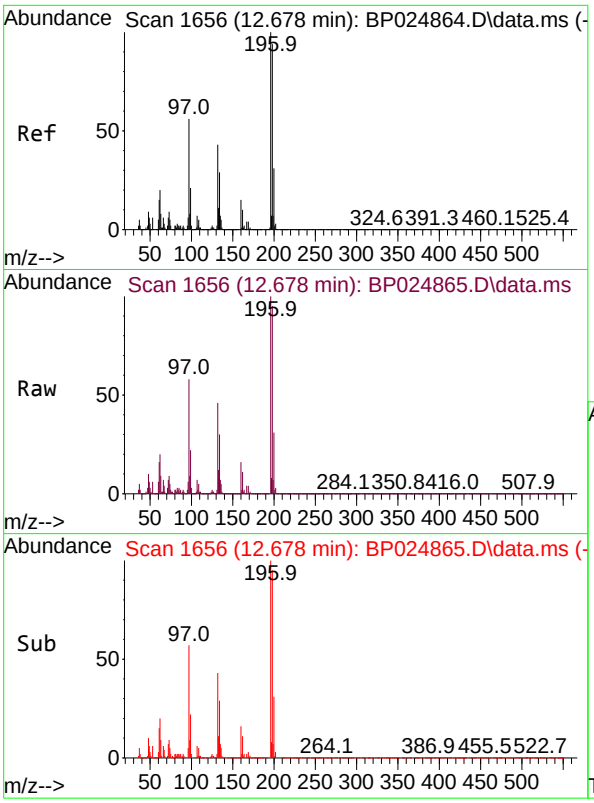


#42
2,4,6-Tribromophenol
Concen: 107.721 ng
RT: 15.784 min Scan# 2184
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:330 Resp: 940592

Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.7	116.5
141	32.9	26.4	39.6



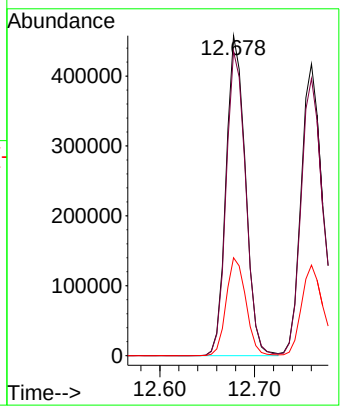


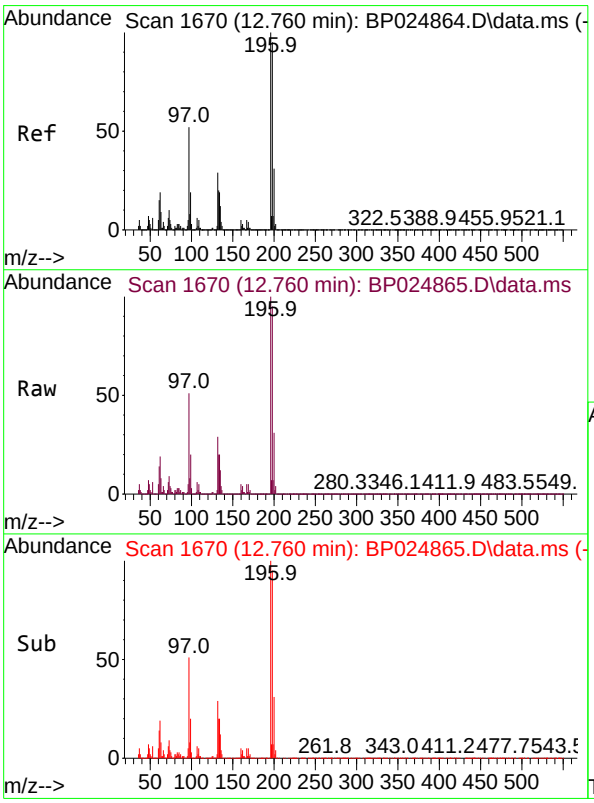
#43
2,4,6-Trichlorophenol
Concen: 53.966 ng
RT: 12.678 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 649483

Ion	Ratio	Lower	Upper
196	100		
198	95.1	75.4	113.0
200	30.6	24.4	36.6

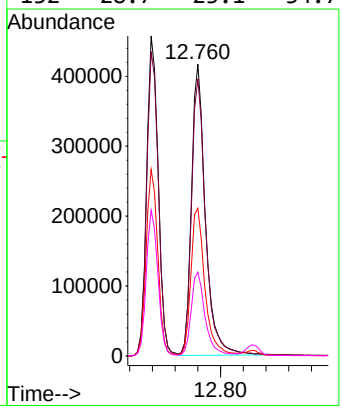


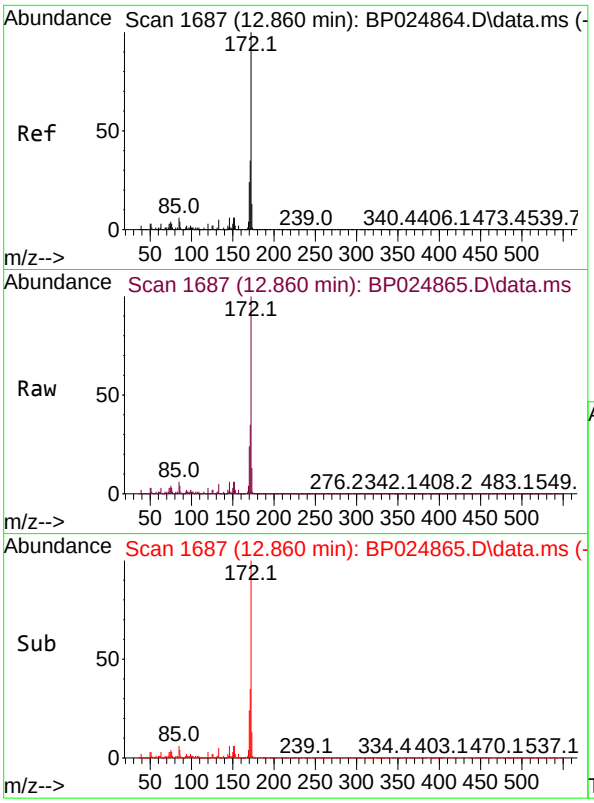


#44
2,4,5-Trichlorophenol
Concen: 54.908 ng
RT: 12.760 min Scan# 1670
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:196 Resp: 707702

Ion	Ratio	Lower	Upper
196	100		
198	95.0	76.0	114.0
97	50.6	41.5	62.3
132	28.7	23.1	34.7



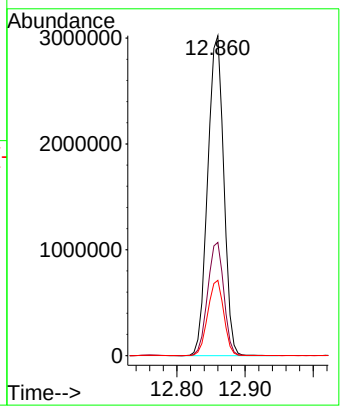


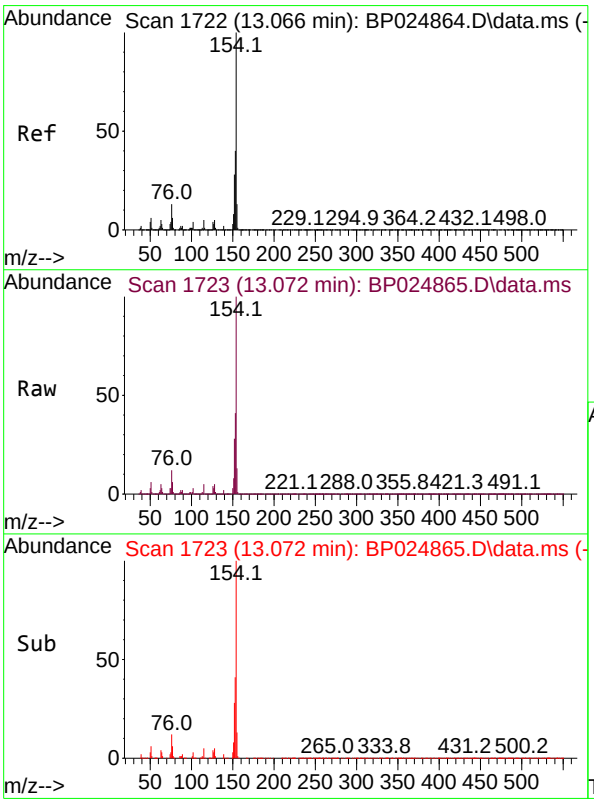
#45
2-Fluorobiphenyl
Concen: 105.263 ng
RT: 12.860 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 4934980

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.3	42.5
170	23.5	19.0	28.4

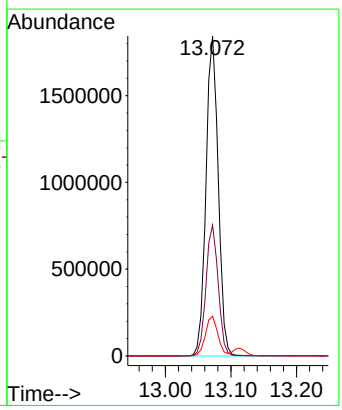


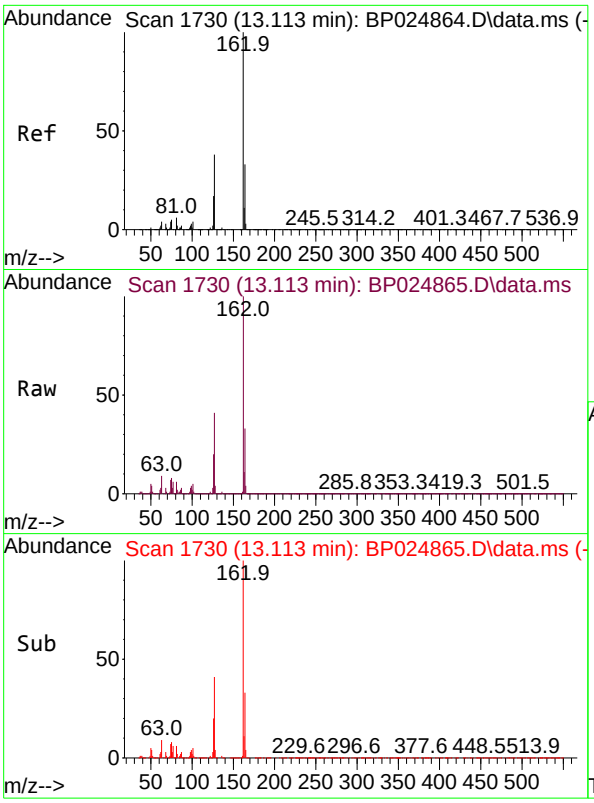


#46
1,1'-Biphenyl
Concen: 51.916 ng
RT: 13.072 min Scan# 1723
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:154 Resp: 2382821

Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.3	60.3
76	12.4	0.0	33.0



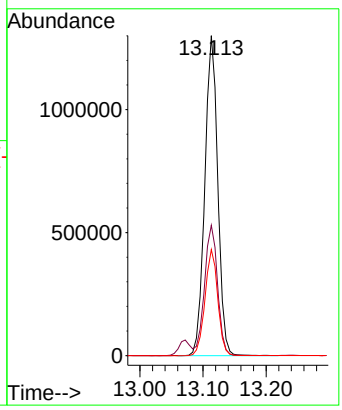


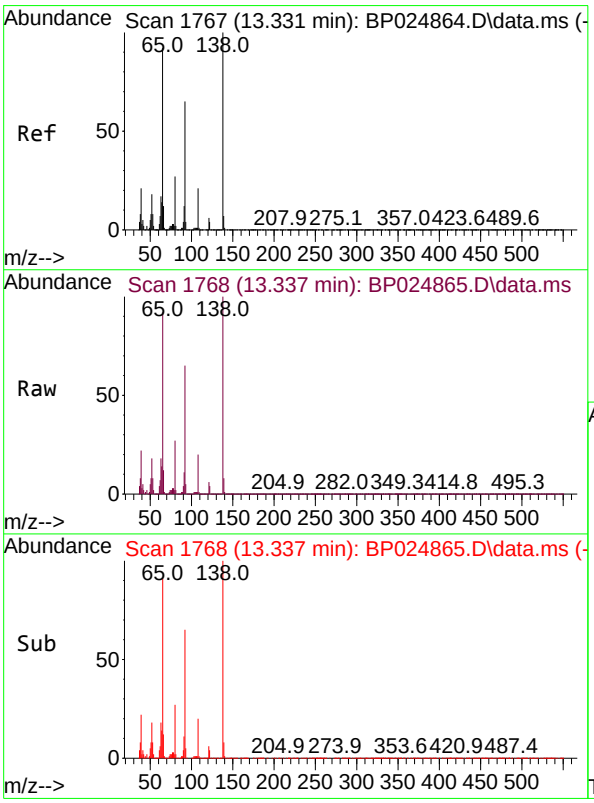
#47
2-Chloronaphthalene
Concen: 52.435 ng
RT: 13.113 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 1849683

Ion	Ratio	Lower	Upper
162	100		
127	40.7	32.5	48.7
164	33.1	26.2	39.2

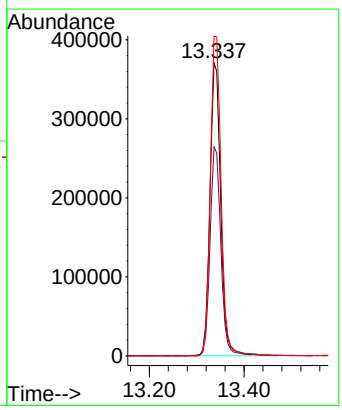


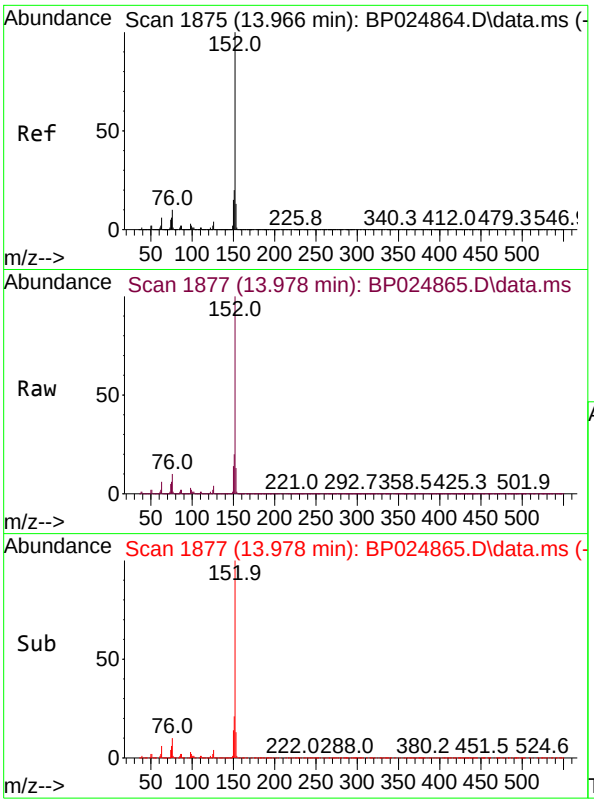


#48
2-Nitroaniline
Concen: 54.079 ng
RT: 13.337 min Scan# 1768
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion: 65 Resp: 586484

Ion	Ratio	Lower	Upper
65	100		
92	71.4	56.8	85.2
138	109.3	86.9	130.3



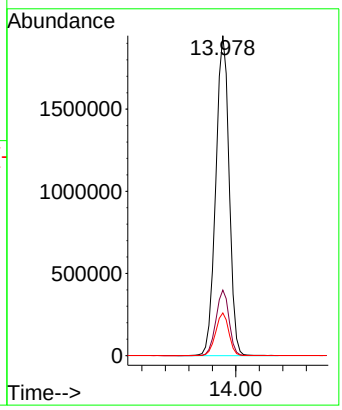


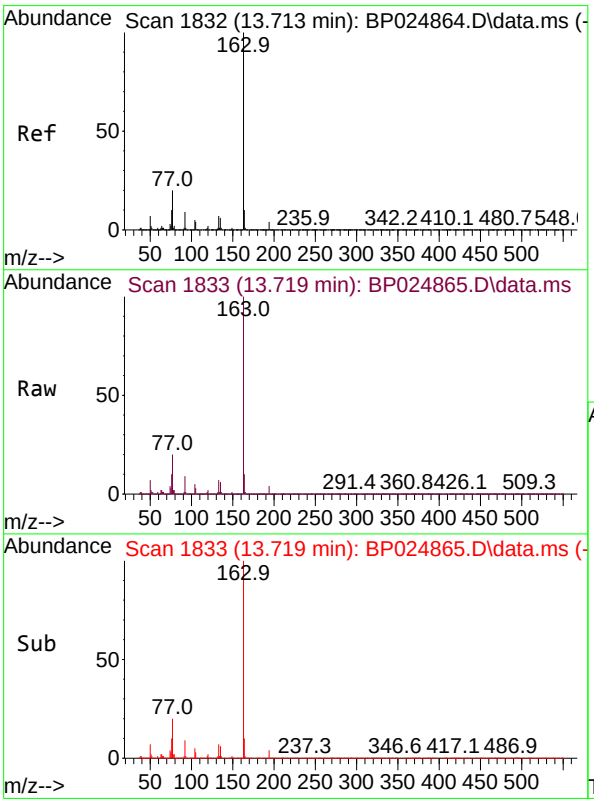
#49
Acenaphthylene
Concen: 52.061 ng
RT: 13.978 min Scan# 18
Delta R.T. 0.012 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 3062130

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.2	24.2
153	13.3	10.6	15.8

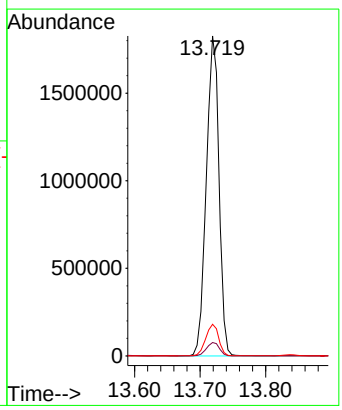


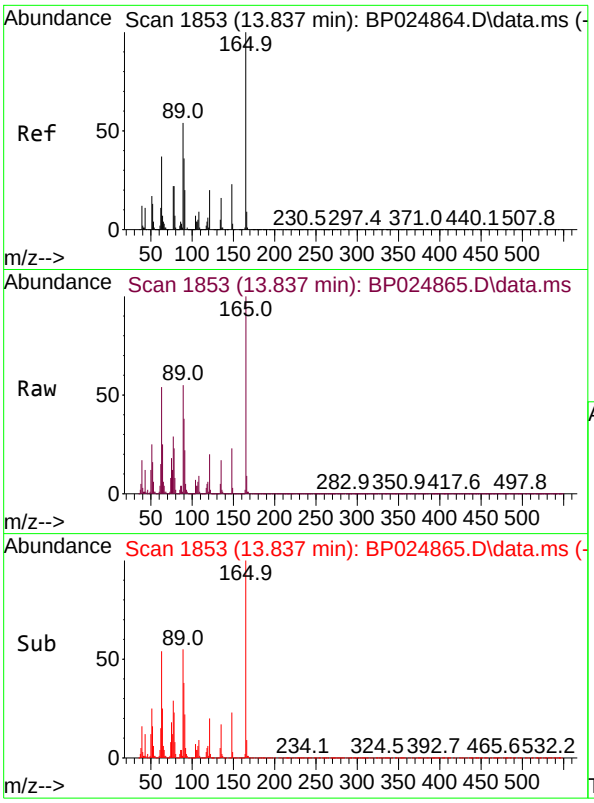


#50
Dimethylphthalate
Concen: 52.527 ng
RT: 13.719 min Scan# 1833
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:163 Resp: 2447212

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	9.9	8.0	12.0



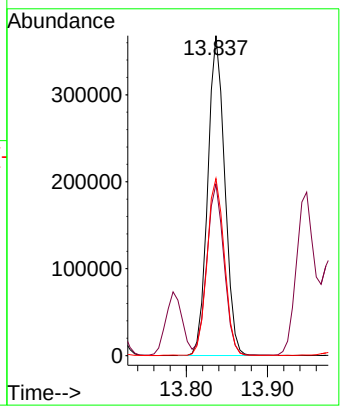


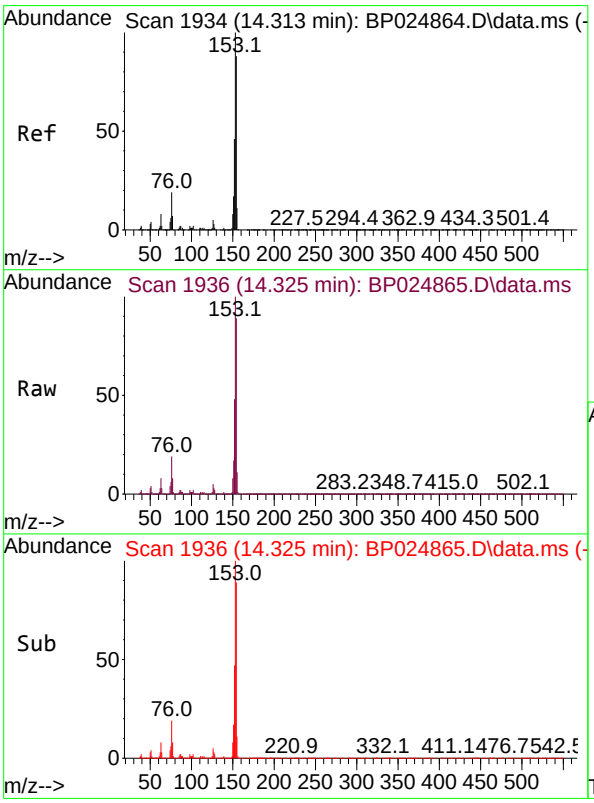
#51
2,6-Dinitrotoluene
Concen: 53.272 ng
RT: 13.837 min Scan# 18
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 535050

Ion	Ratio	Lower	Upper
165	100		
63	53.7	41.8	62.8
89	55.3	43.1	64.7

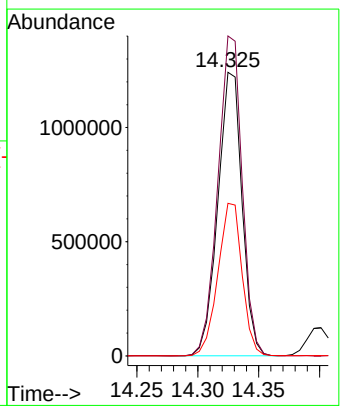


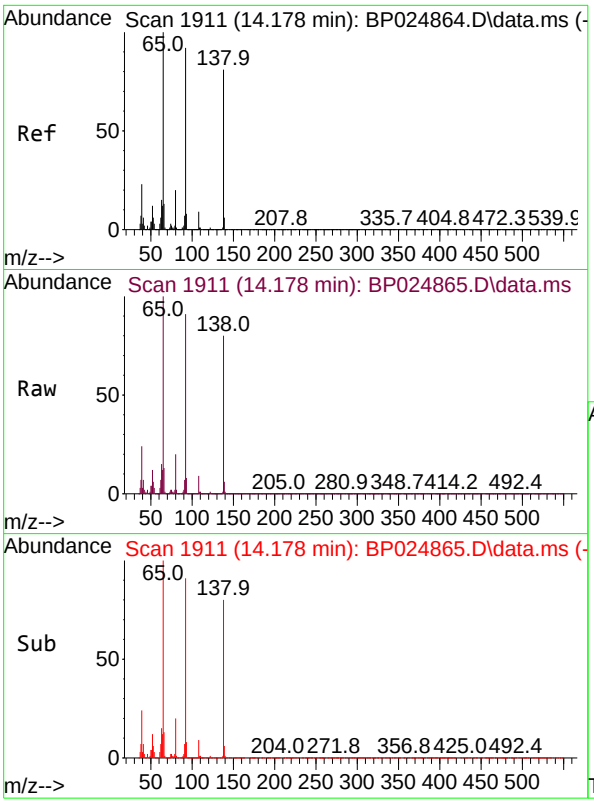


#52
Acenaphthene
Concen: 50.924 ng
RT: 14.325 min Scan# 1936
Delta R.T. 0.012 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:154 Resp: 1716357

Ion	Ratio	Lower	Upper
154	100		
153	112.8	90.5	135.7
152	53.8	42.1	63.1



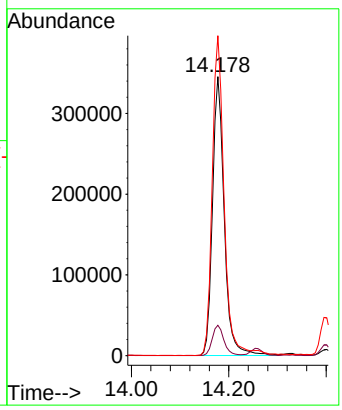


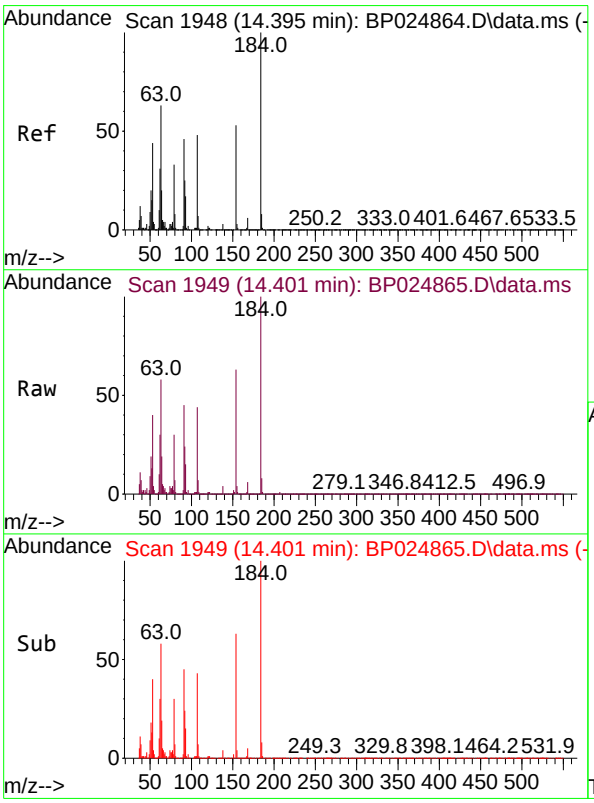
#53
3-Nitroaniline
Concen: 55.664 ng
RT: 14.178 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 580183

Ion	Ratio	Lower	Upper
138	100		
108	10.8	8.6	12.8
92	114.7	91.3	136.9

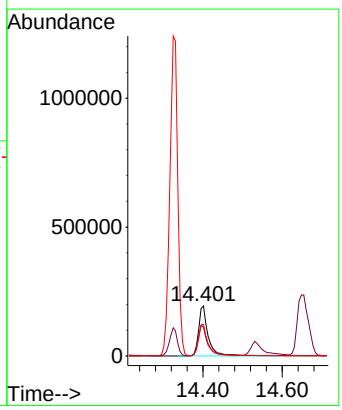


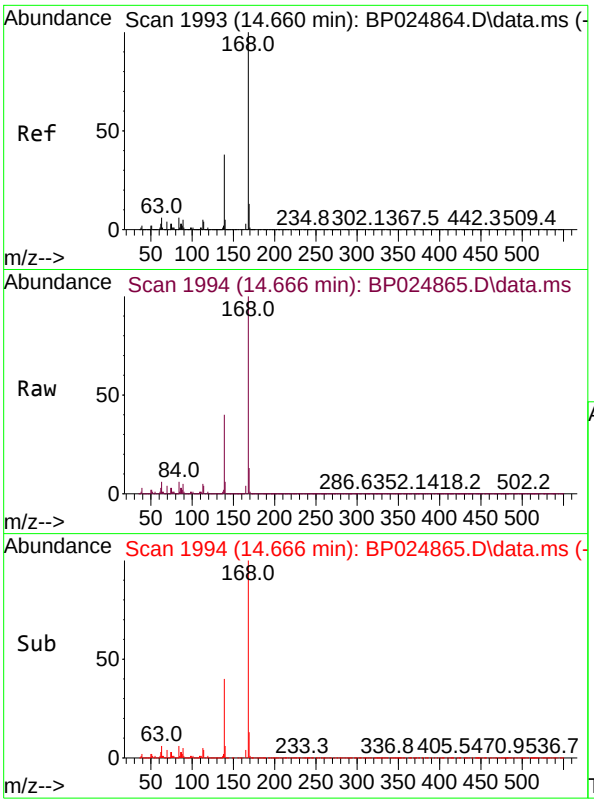


#54
2,4-Dinitrophenol
Concen: 51.248 ng
RT: 14.401 min Scan# 1949
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:184 Resp: 321110

Ion	Ratio	Lower	Upper
184	100		
63	57.7	51.0	76.4
154	63.4	51.7	77.5



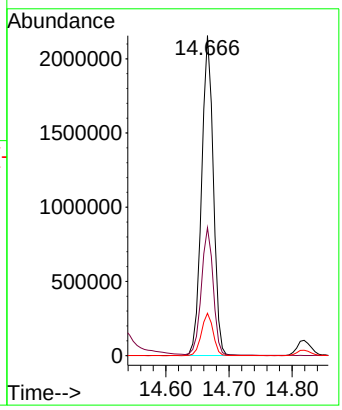


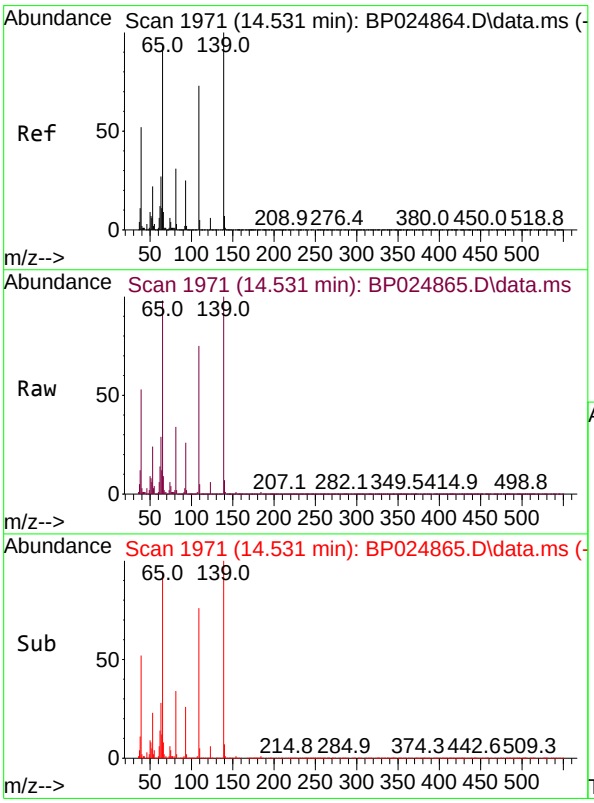
#55
Dibenzofuran
Concen: 51.272 ng
RT: 14.666 min Scan# 19
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 2773911

Ion	Ratio	Lower	Upper
168	100		
139	40.0	31.6	47.4
169	13.2	10.6	15.8

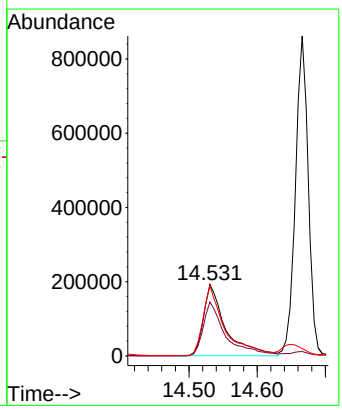


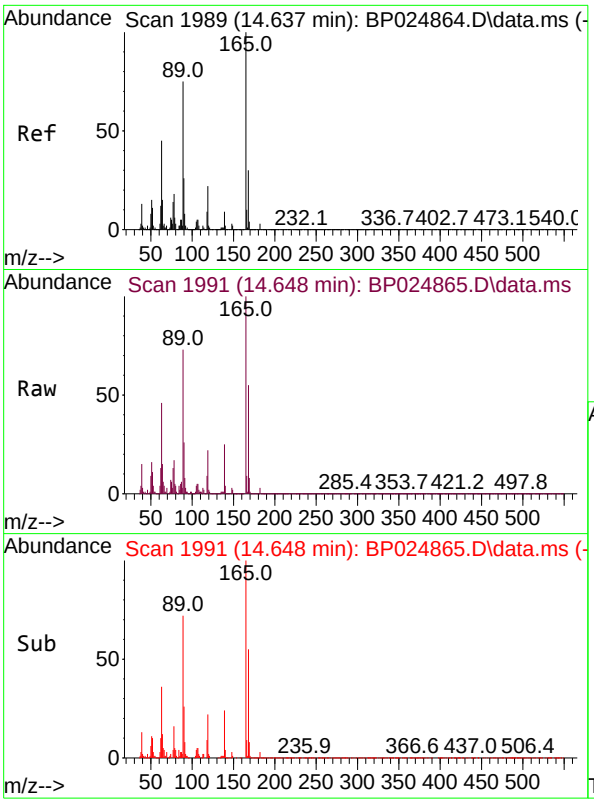


#56
4-Nitrophenol
Concen: 51.384 ng
RT: 14.531 min Scan# 1971
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:139 Resp: 435101

Ion	Ratio	Lower	Upper
139	100		
109	75.4	53.1	93.1
65	98.1	73.0	113.0



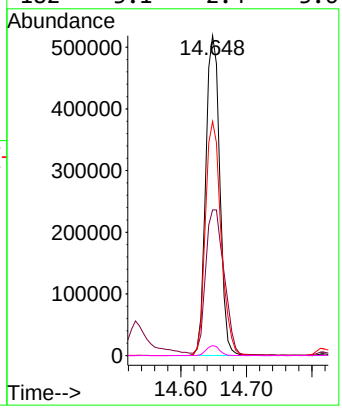


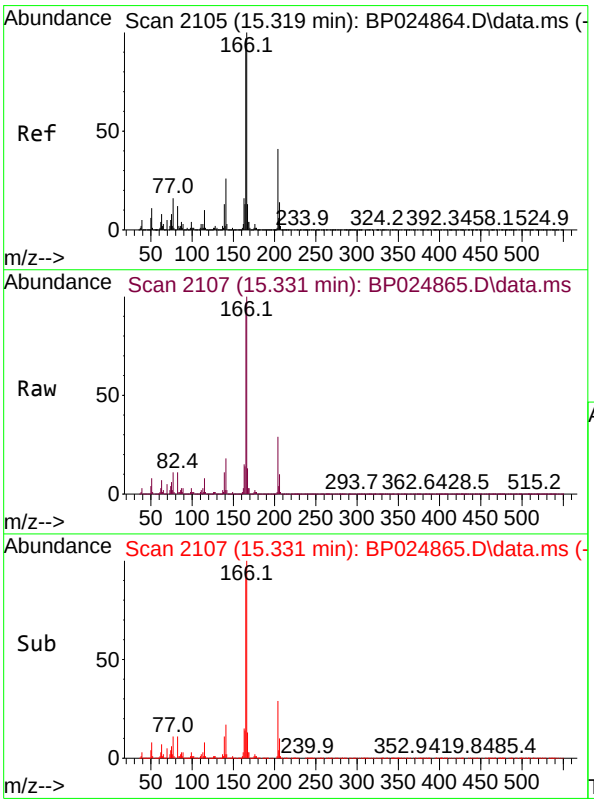
#57
2,4-Dinitrotoluene
Concen: 54.706 ng
RT: 14.648 min Scan# 19
Delta R.T. 0.011 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 768586

Ion	Ratio	Lower	Upper
165	100		
63	45.5	37.0	55.6
89	73.2	60.1	90.1
182	3.1	2.4	3.6

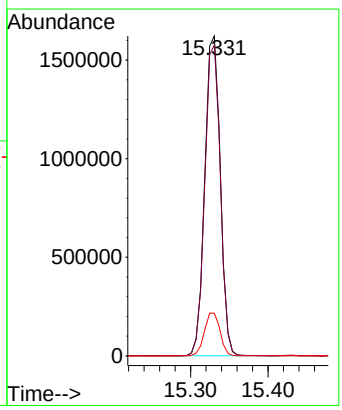


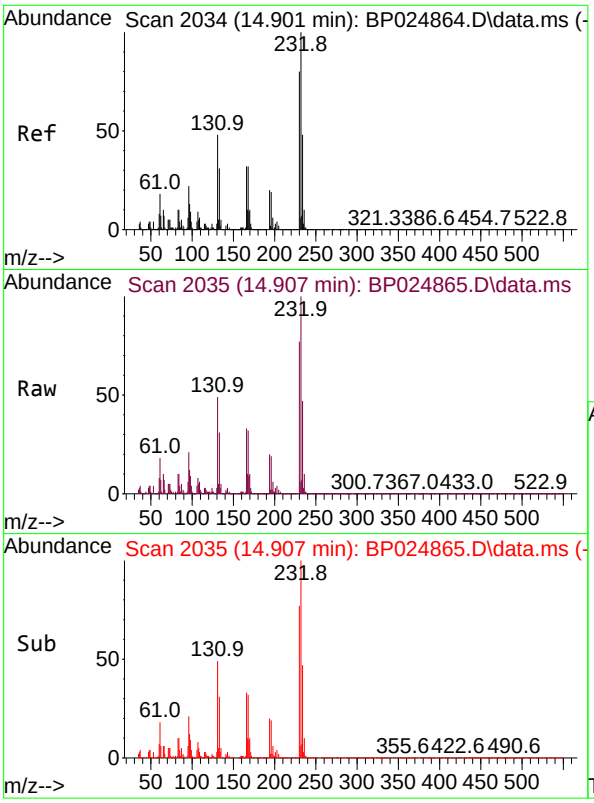


#58
Fluorene
Concen: 51.819 ng
RT: 15.331 min Scan# 2107
Delta R.T. 0.012 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:166 Resp: 2264731

Ion	Ratio	Lower	Upper
166	100		
165	97.1	77.7	116.5
167	13.4	10.6	16.0



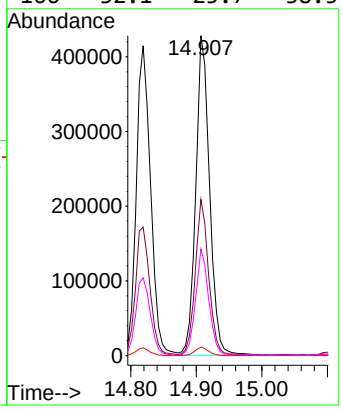


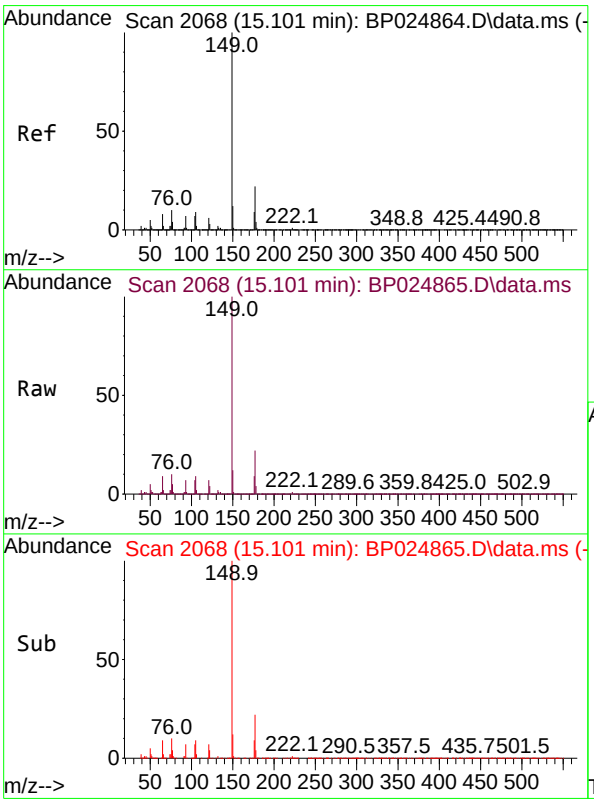
#59
2,3,4,6-Tetrachlorophenol
Concen: 54.063 ng
RT: 14.907 min Scan# 20
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 623685

Ion	Ratio	Lower	Upper
232	100		
131	47.7	38.2	57.2
130	2.6	2.1	3.1
166	32.1	25.7	38.5

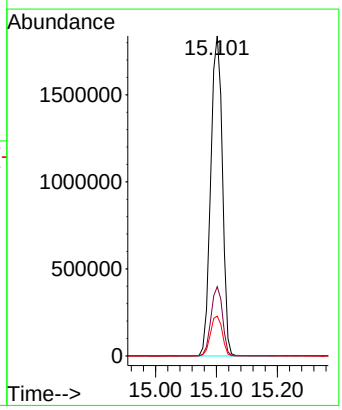


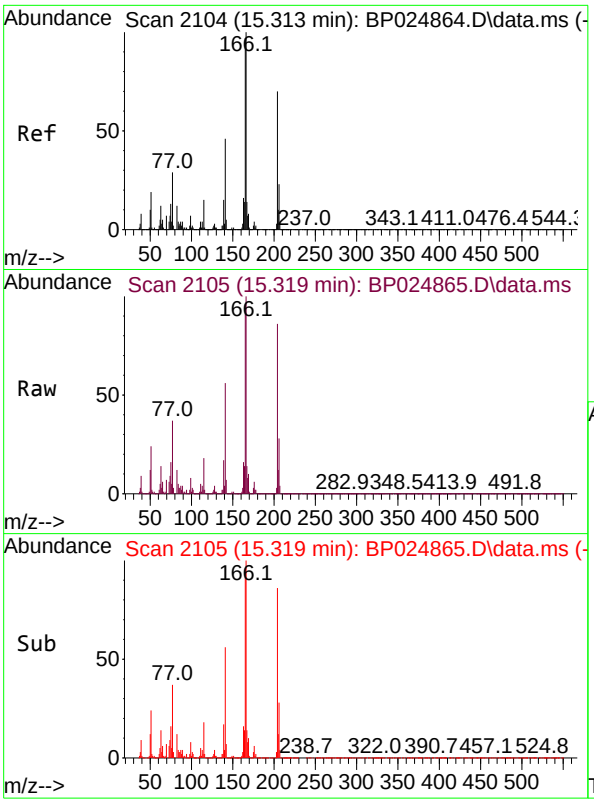


#60
Diethylphthalate
Concen: 52.523 ng
RT: 15.101 min Scan# 2068
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:149 Resp: 2438733

Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.9	26.9
150	12.4	9.8	14.6



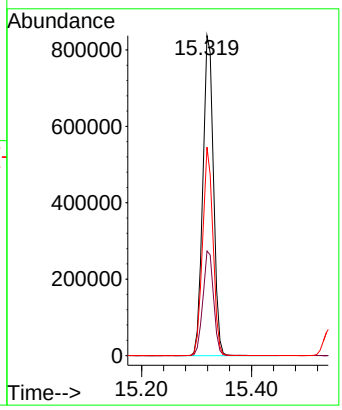


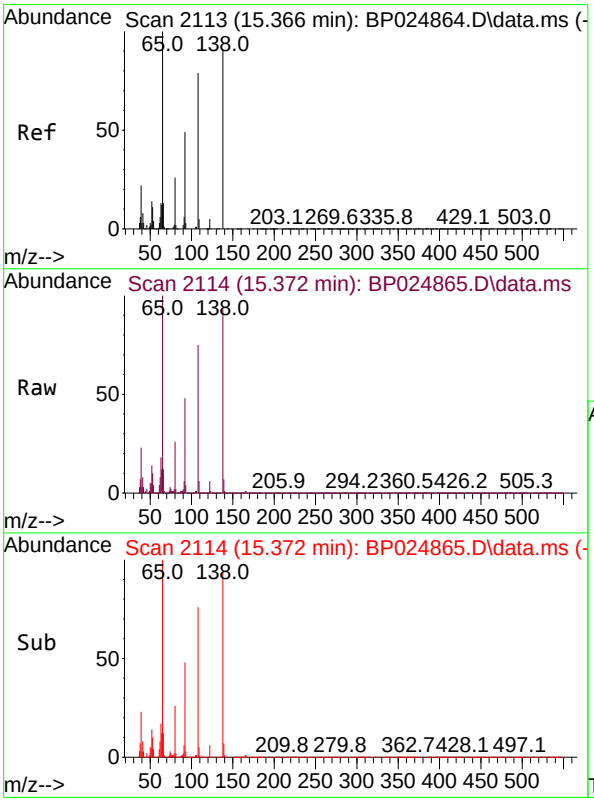
#61
4-Chlorophenyl-phenylether
Concen: 52.365 ng
RT: 15.319 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 1118999

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.6	40.0
141	65.1	52.4	78.6

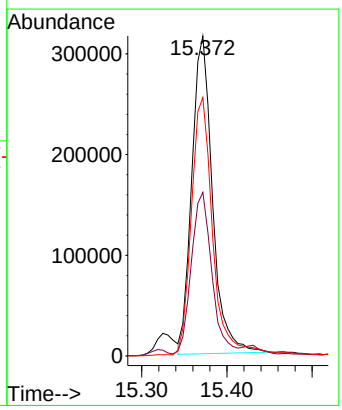


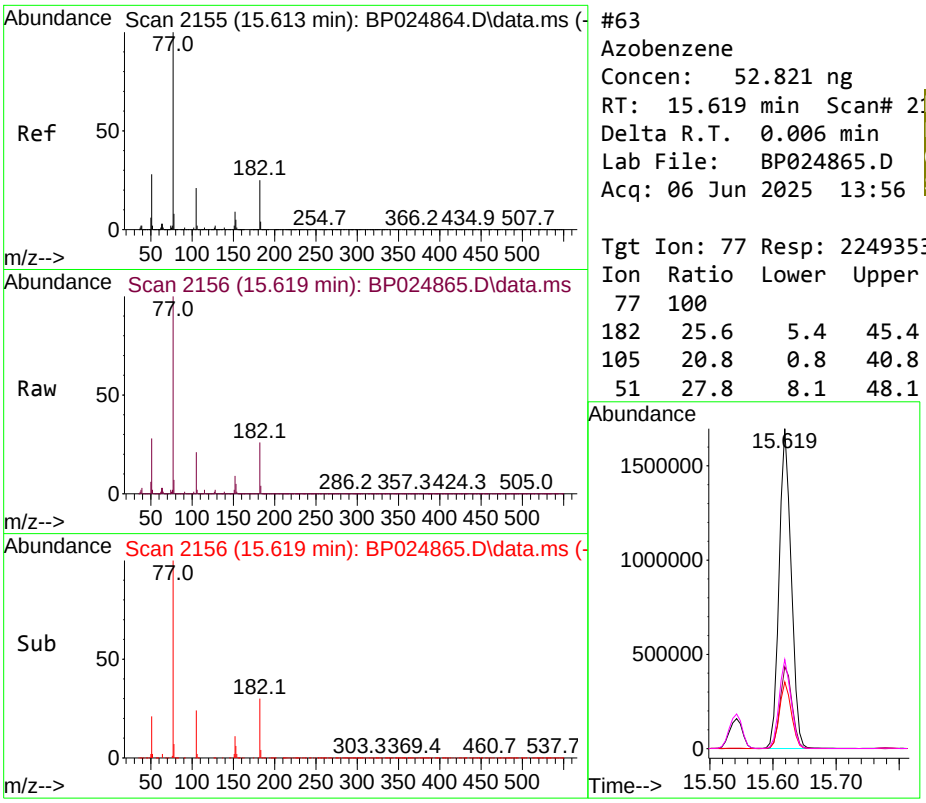


#62
4-Nitroaniline
Concen: 56.050 ng
RT: 15.372 min Scan# 2114
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:138 Resp: 530012

Ion	Ratio	Lower	Upper
138	100		
92	51.1	33.5	73.5
108	80.7	65.1	105.1



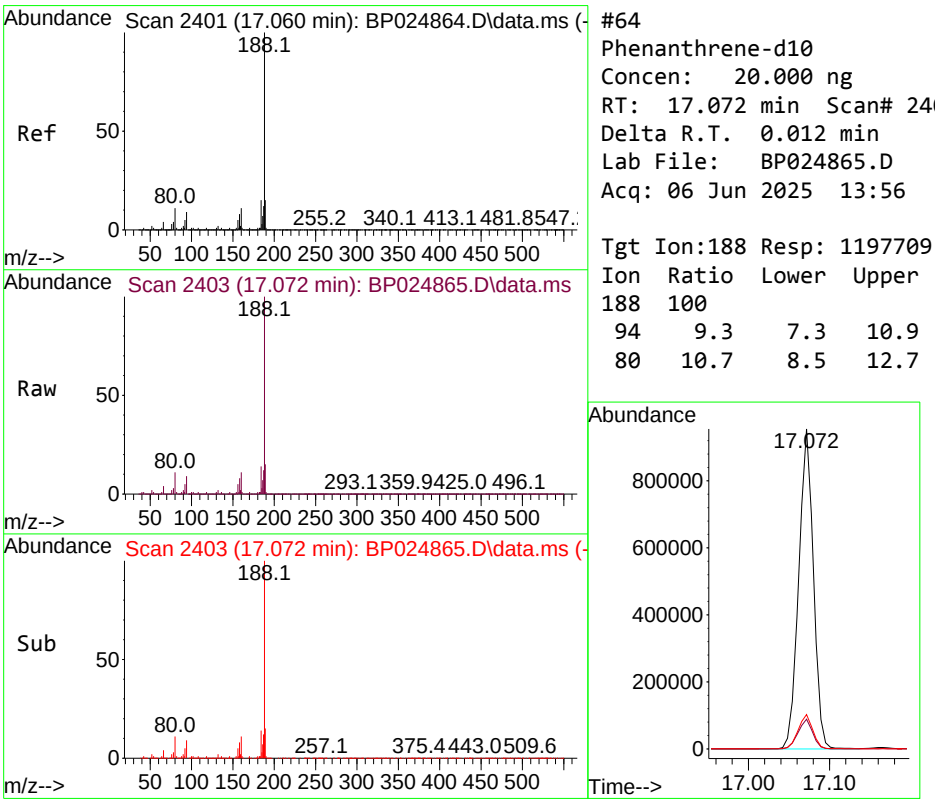


#63
Azobenzene
Concen: 52.821 ng
RT: 15.619 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 2249353

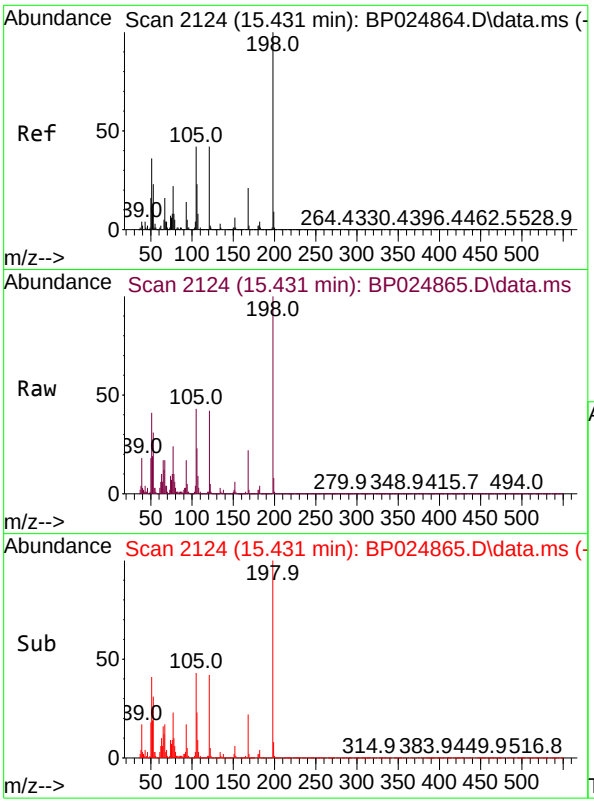
Ion	Ratio	Lower	Upper
77	100		
182	25.6	5.4	45.4
105	20.8	0.8	40.8
51	27.8	8.1	48.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.072 min Scan# 2403
Delta R.T. 0.012 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:188 Resp: 1197709

Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.3	10.9
80	10.7	8.5	12.7

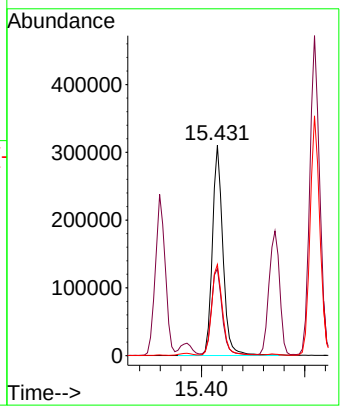


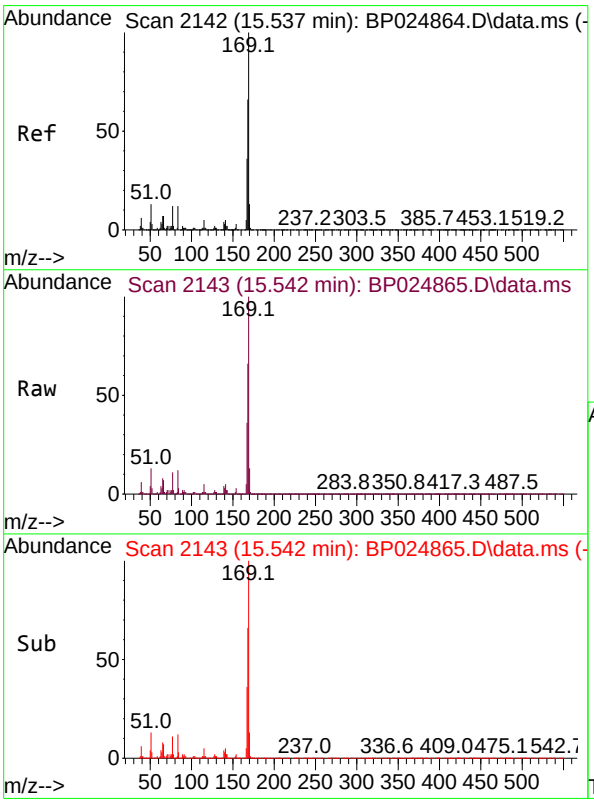
#65
4,6-Dinitro-2-methylphenol
Concen: 55.863 ng
RT: 15.431 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 439647

Ion	Ratio	Lower	Upper
198	100		
51	41.4	19.2	59.2
105	43.3	22.6	62.6

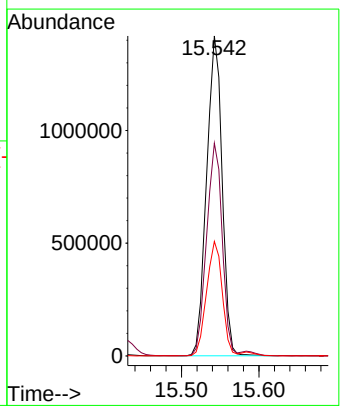


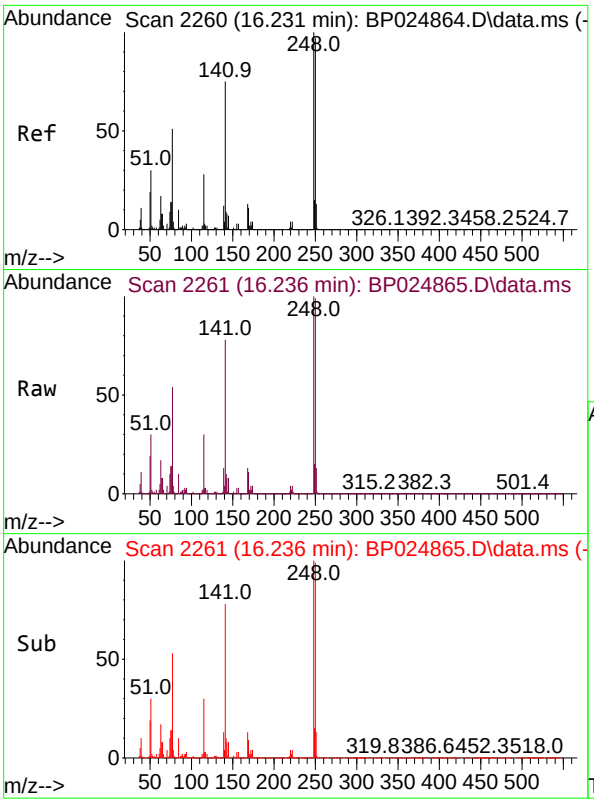


#66
n-Nitrosodiphenylamine
Concen: 53.178 ng
RT: 15.542 min Scan# 2143
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:169 Resp: 1974147

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.0	79.6
167	35.8	28.6	43.0



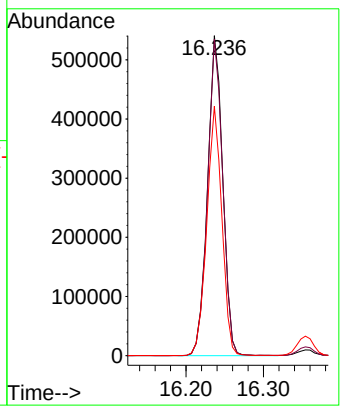


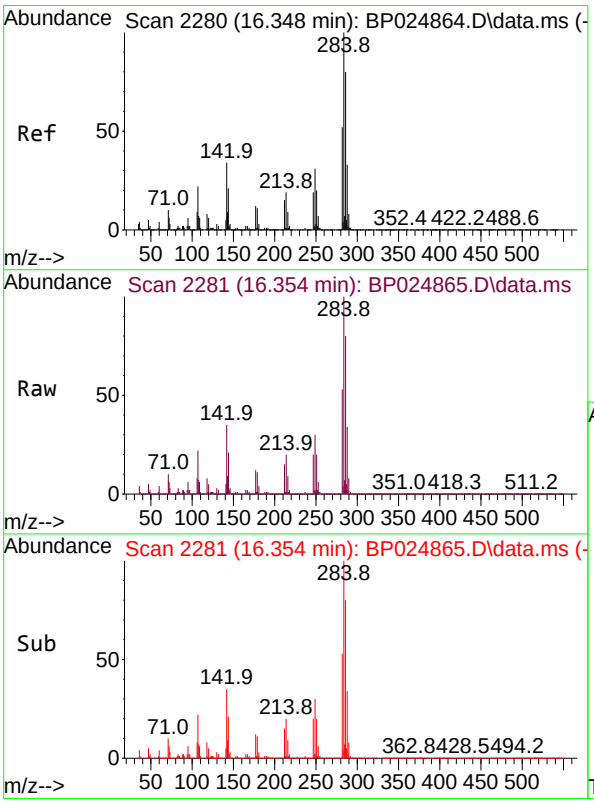
#67
4-Bromophenyl-phenylether
Concen: 54.595 ng
RT: 16.236 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 737798

Ion	Ratio	Lower	Upper
248	100		
250	98.8	77.4	116.2
141	77.9	59.9	89.9

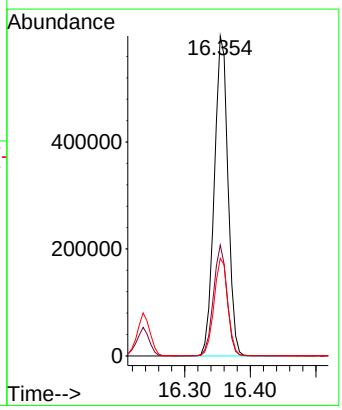


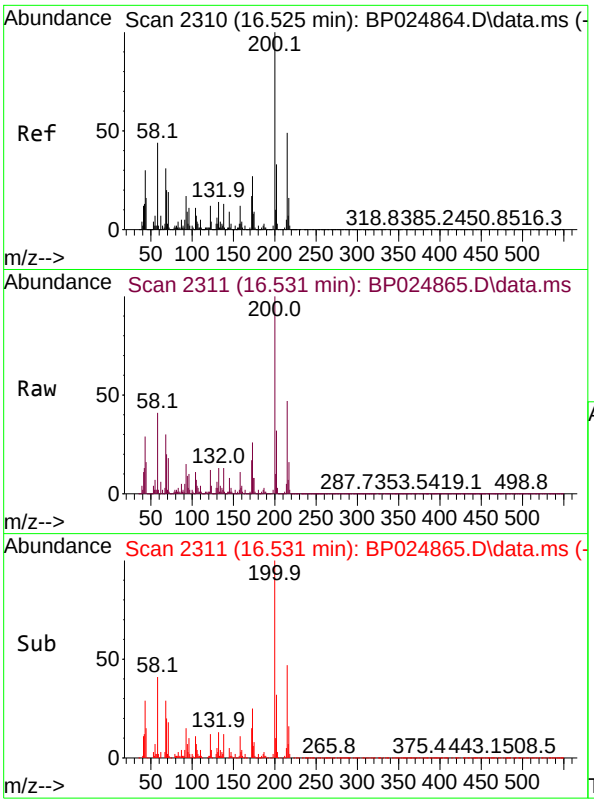


#68
Hexachlorobenzene
Concen: 52.948 ng
RT: 16.354 min Scan# 2281
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:284 Resp: 867444

Ion	Ratio	Lower	Upper
284	100		
142	34.6	27.0	40.6
249	30.5	25.0	37.6



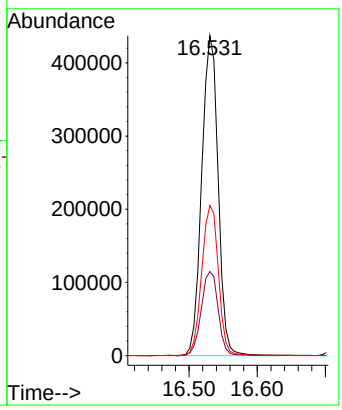


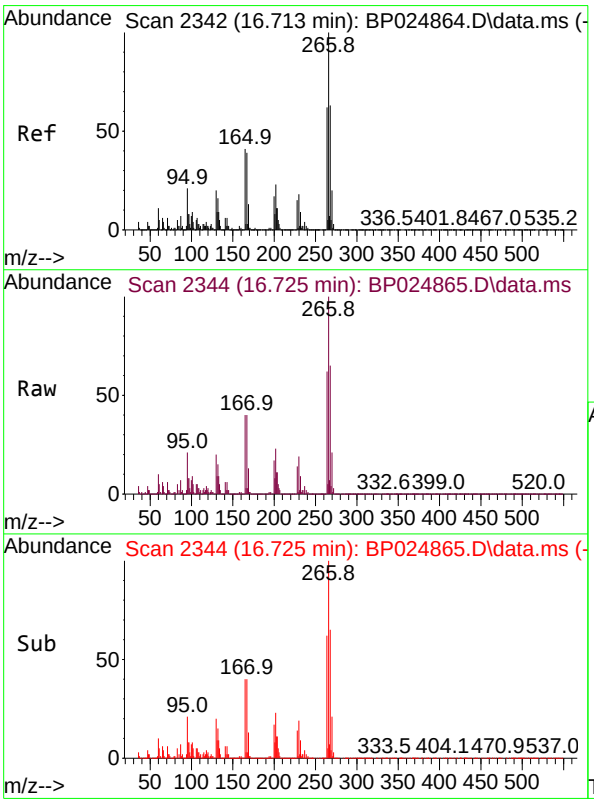
#69
Atrazine
Concen: 54.392 ng
RT: 16.531 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 732007

Ion	Ratio	Lower	Upper
200	100		
173	26.3	6.9	46.9
215	46.9	28.7	68.7

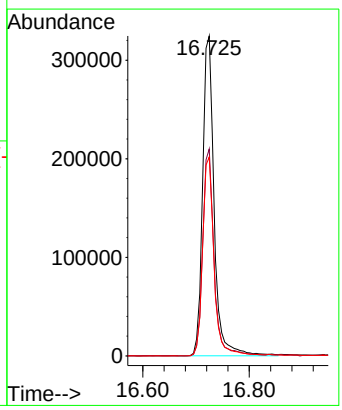


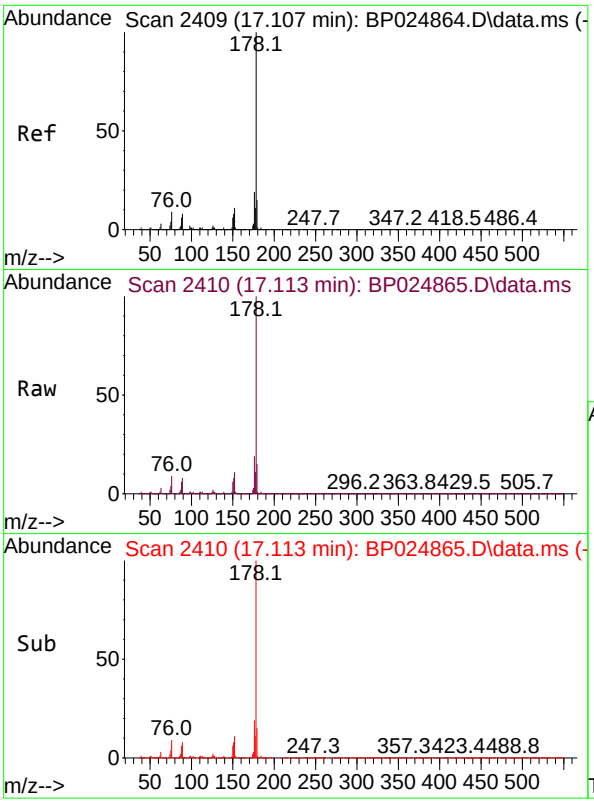


#70
Pentachlorophenol
Concen: 57.349 ng
RT: 16.725 min Scan# 2344
Delta R.T. 0.012 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:266 Resp: 486264

Ion	Ratio	Lower	Upper
266	100		
268	64.7	50.6	76.0
264	62.2	49.7	74.5



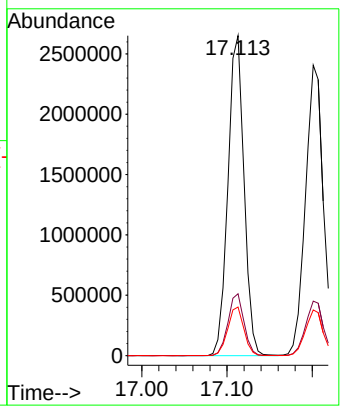


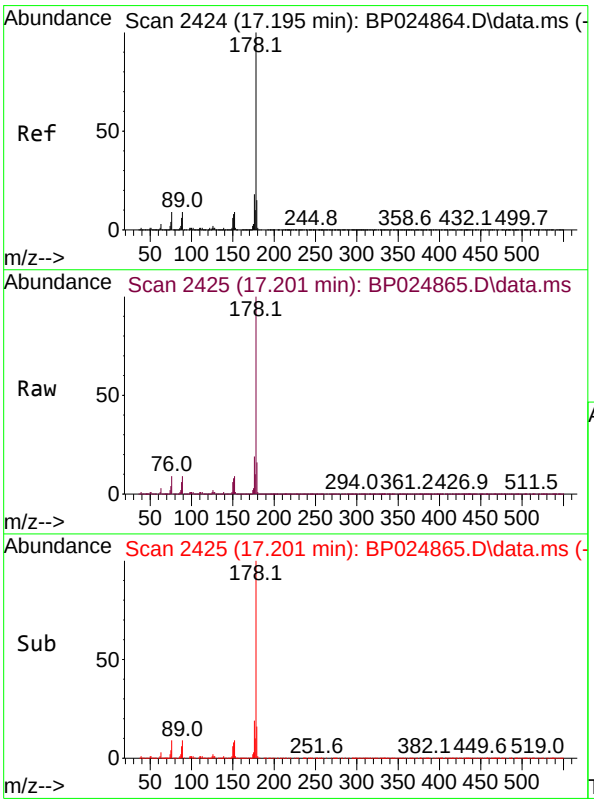
#71
Phenanthrene
Concen: 52.543 ng
RT: 17.113 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 3477677

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.2	12.1	18.1

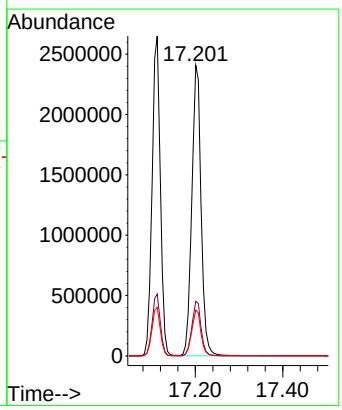


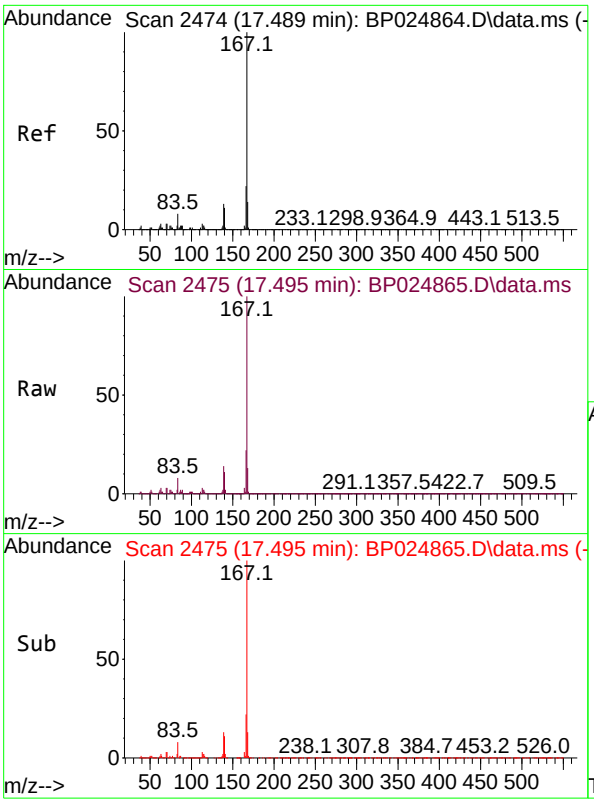


#72
Anthracene
Concen: 53.089 ng
RT: 17.201 min Scan# 2425
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:178 Resp: 3558691

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.7	22.1
179	15.7	12.3	18.5



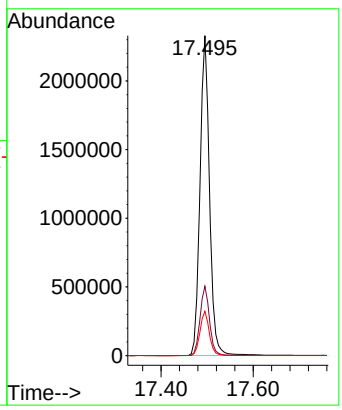


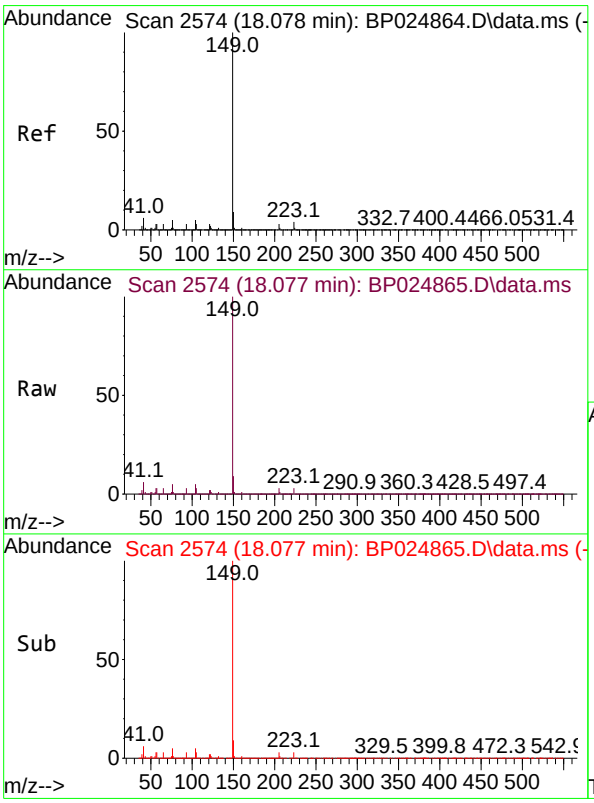
#73
Carbazole
Concen: 53.599 ng
RT: 17.495 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 3330211

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.3	25.9
139	13.8	10.8	16.2

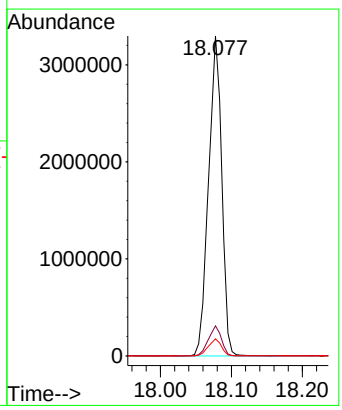


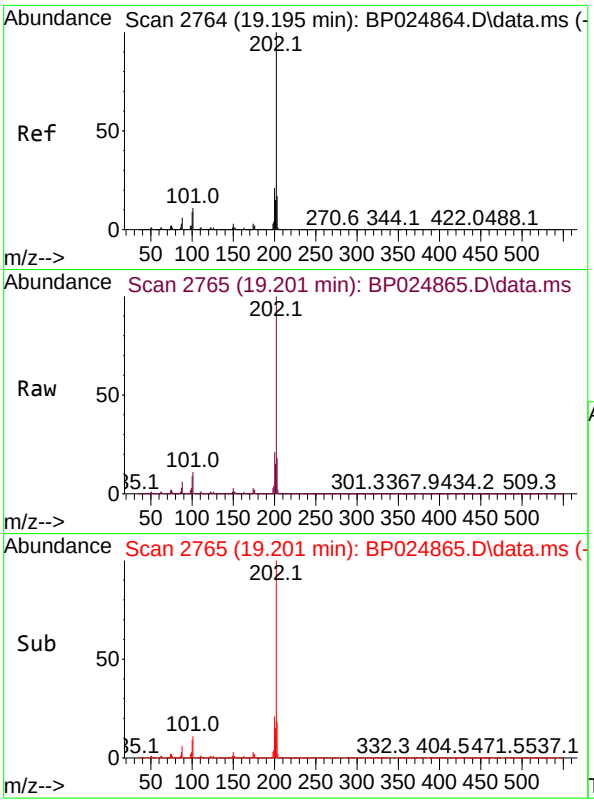


#74
Di-n-butylphthalate
Concen: 55.253 ng
RT: 18.077 min Scan# 2574
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:149 Resp: 4253447

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	5.3	4.2	6.2



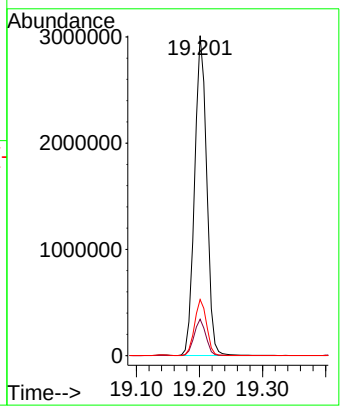


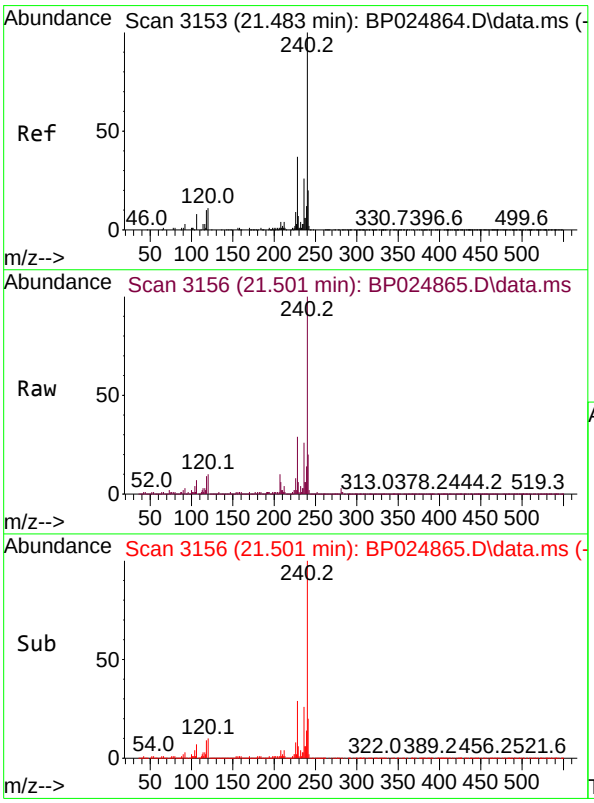
#75
Fluoranthene
Concen: 52.455 ng
RT: 19.201 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 4024039

Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.4
203	17.5	0.0	37.5

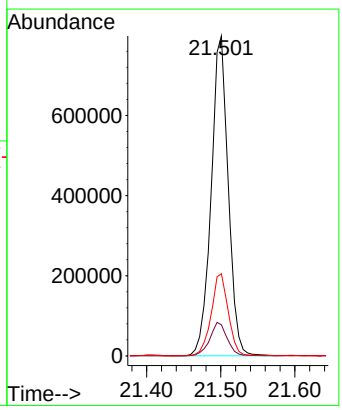


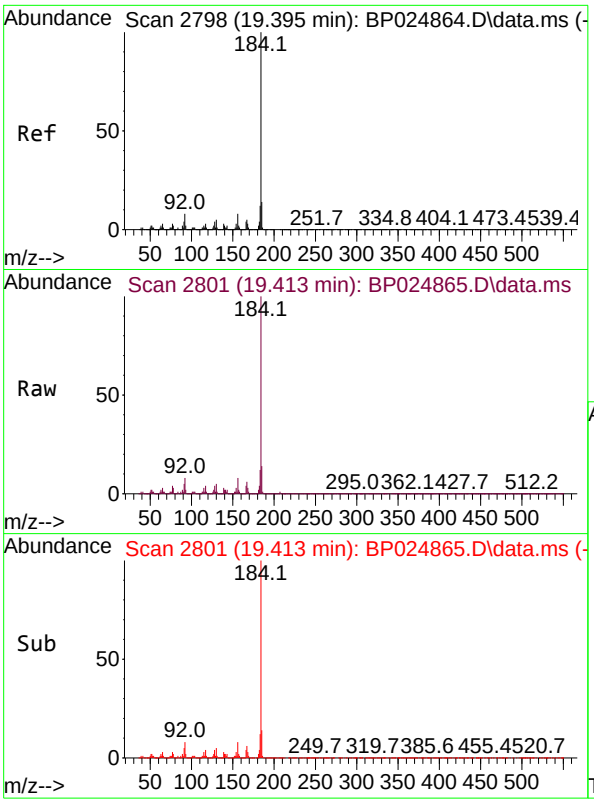


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.501 min Scan# 3156
Delta R.T. 0.017 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:240 Resp: 1276071

Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.9	13.3
236	25.7	20.9	31.3



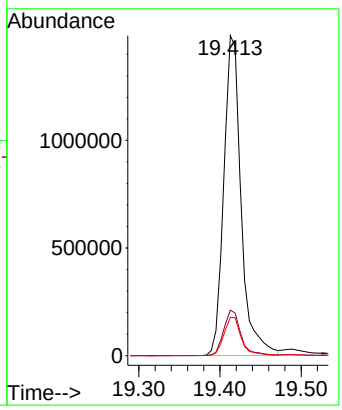


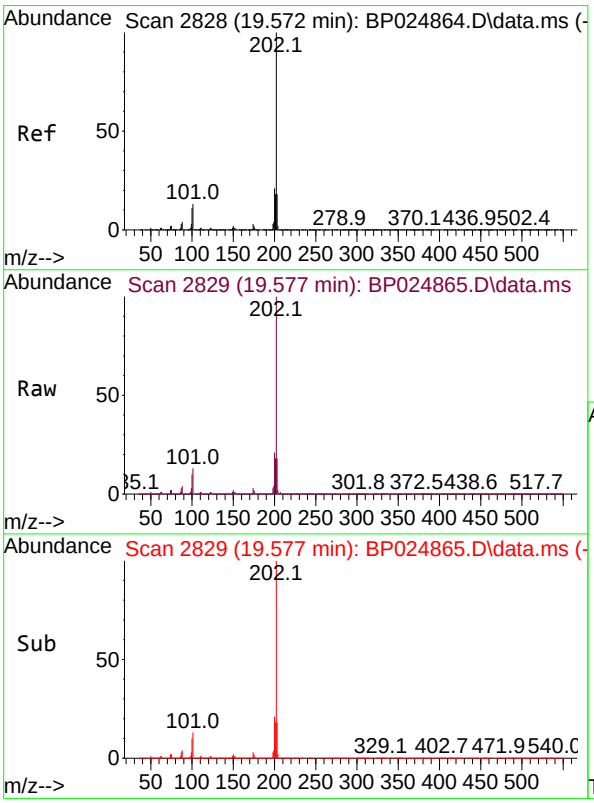
#77
Benzidine
Concen: 55.718 ng
RT: 19.413 min Scan# 28
Delta R.T. 0.018 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 2202092

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.4	17.0
183	11.9	9.5	14.3

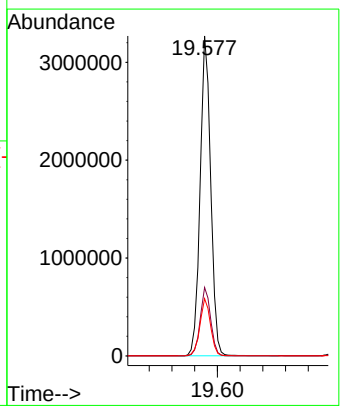


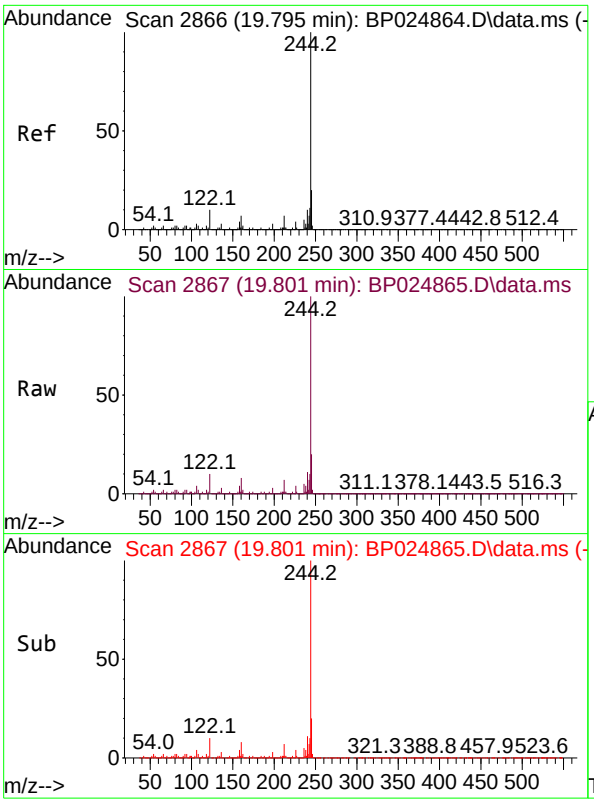


#78
Pyrene
Concen: 52.900 ng
RT: 19.577 min Scan# 2829
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:202 Resp: 4217295

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.1	25.7
203	17.9	14.0	21.0



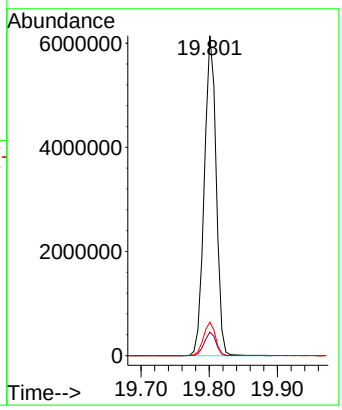


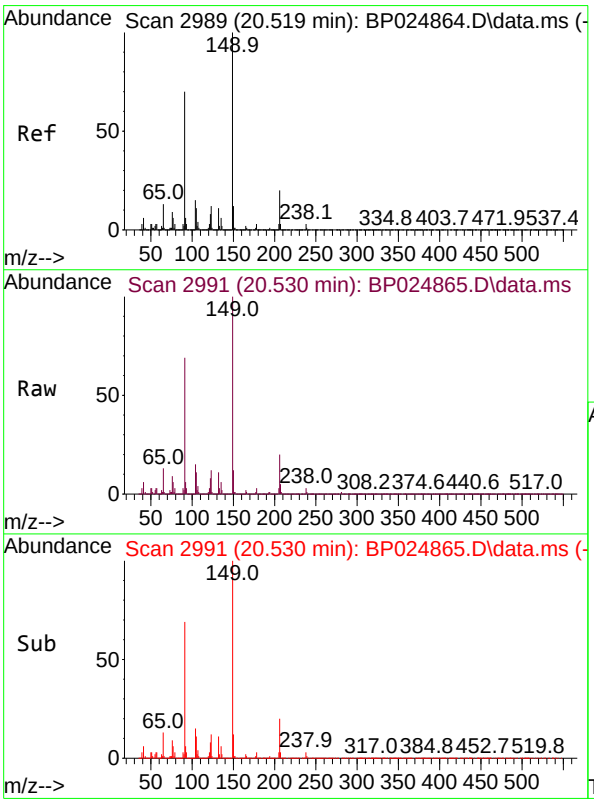
#79
Terphenyl-d14
Concen: 104.339 ng
RT: 19.801 min Scan# 28
Delta R.T. 0.006 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 7428863

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.6	8.4
122	10.5	7.7	11.5

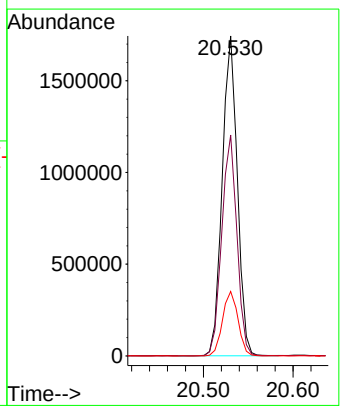


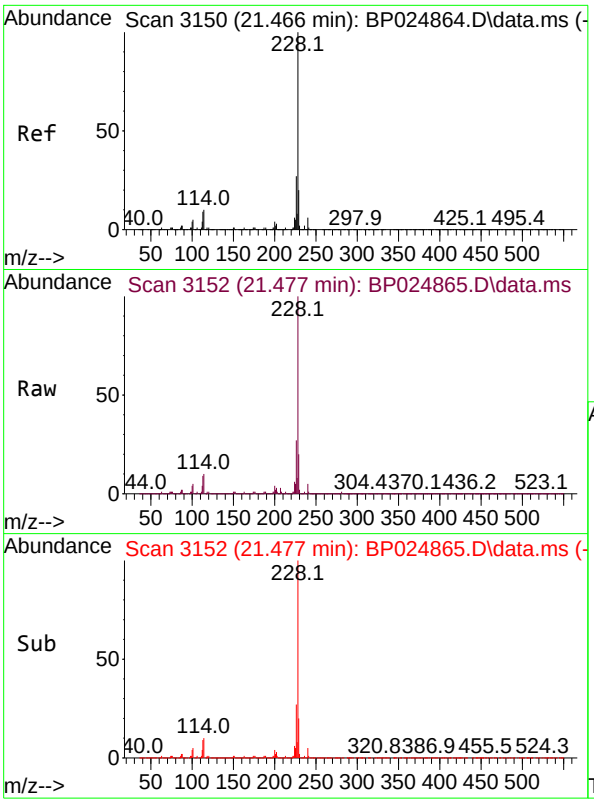


#80
Butylbenzylphthalate
Concen: 56.010 ng
RT: 20.530 min Scan# 2991
Delta R.T. 0.012 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:149 Resp: 2045307

Ion	Ratio	Lower	Upper
149	100		
91	69.0	55.8	83.8
206	20.1	16.2	24.2



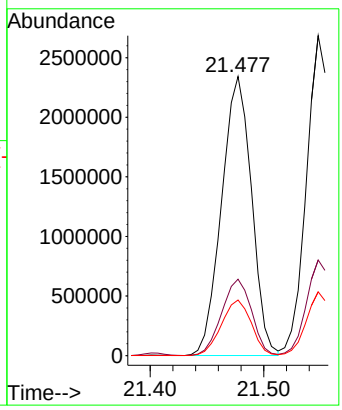


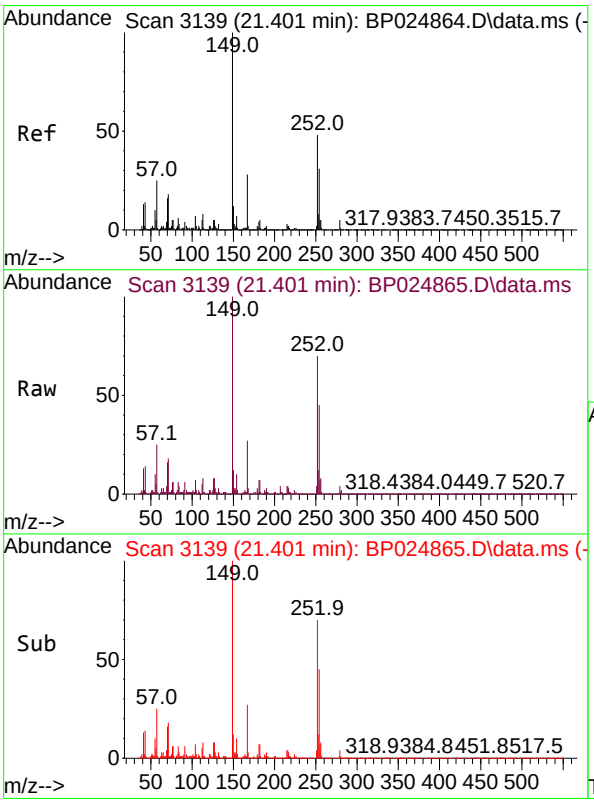
#81
Benzo(a)anthracene
Concen: 52.648 ng
RT: 21.477 min Scan# 31
Delta R.T. 0.012 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 4296840

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.1	33.1
229	19.9	15.9	23.9

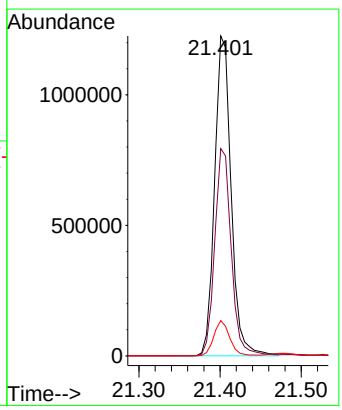


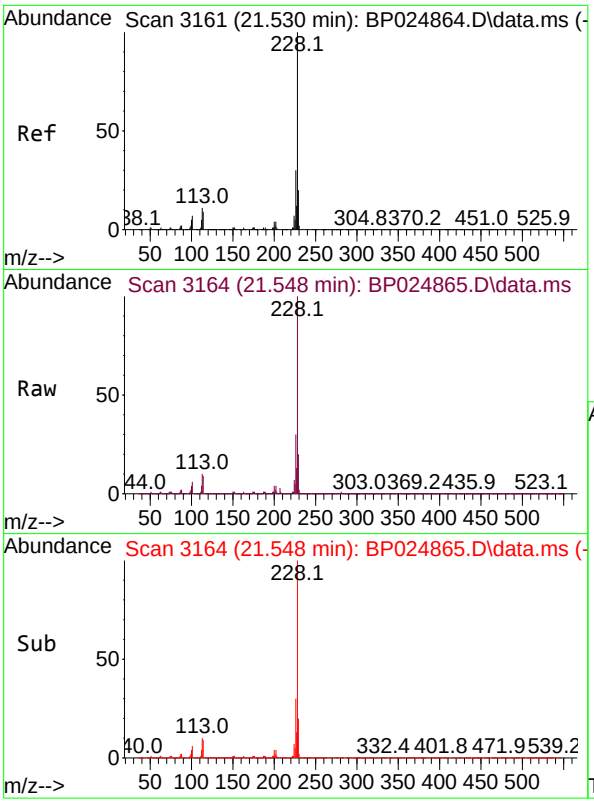


#82
3,3'-Dichlorobenzidine
Concen: 53.402 ng
RT: 21.401 min Scan# 3139
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:252 Resp: 1730292

Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.2	76.8
126	11.0	8.6	12.8



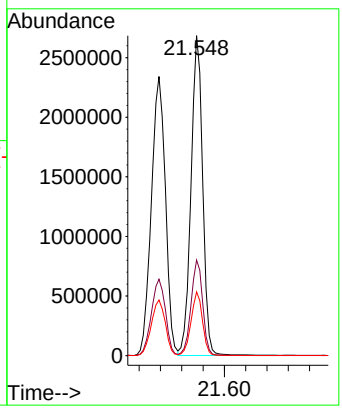


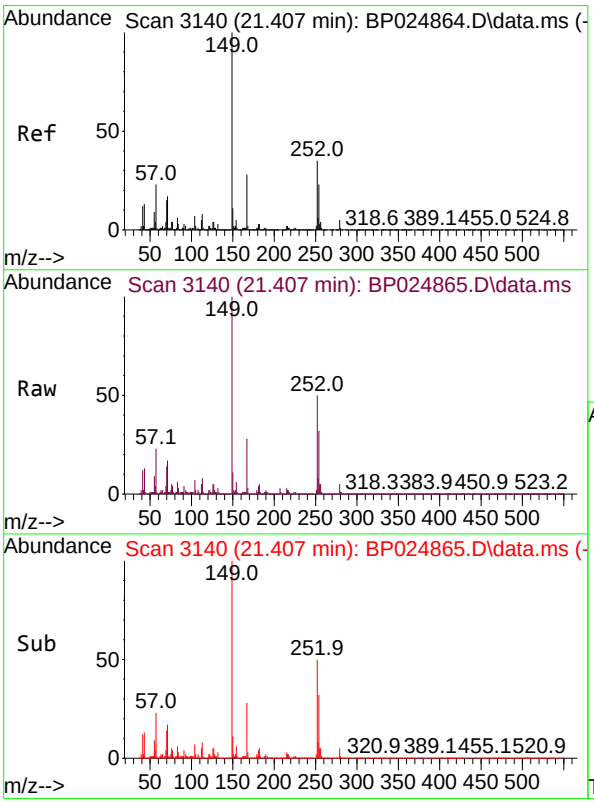
#83
Chrysene
Concen: 52.768 ng
RT: 21.548 min Scan# 31
Delta R.T. 0.018 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 4080671

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.8	35.6
229	19.9	15.6	23.4

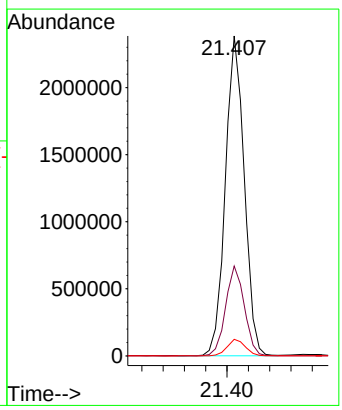


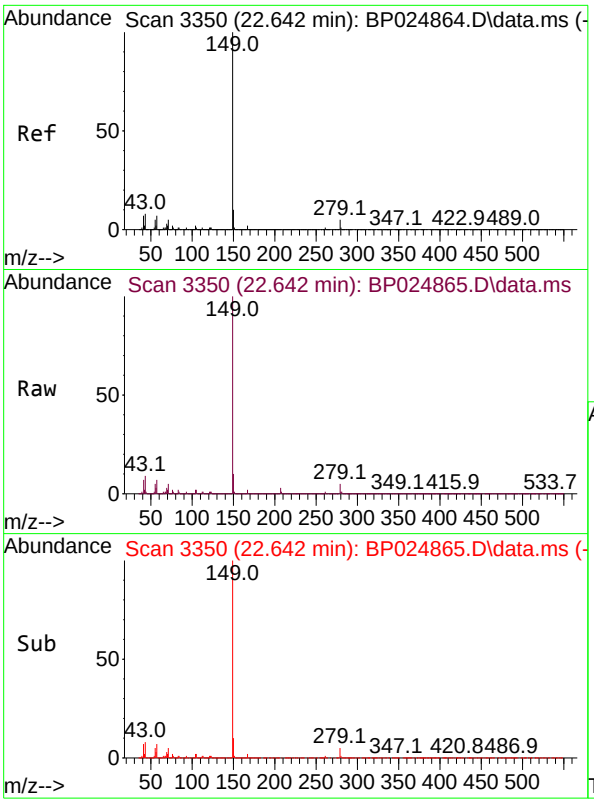


#84
Bis(2-ethylhexyl)phthalate
Concen: 56.166 ng
RT: 21.407 min Scan# 3140
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:149 Resp: 2938577

Ion	Ratio	Lower	Upper
149	100		
167	28.1	22.2	33.4
279	5.2	4.0	6.0



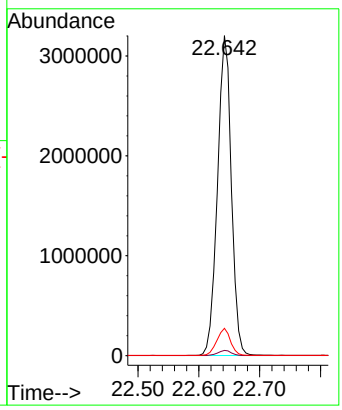


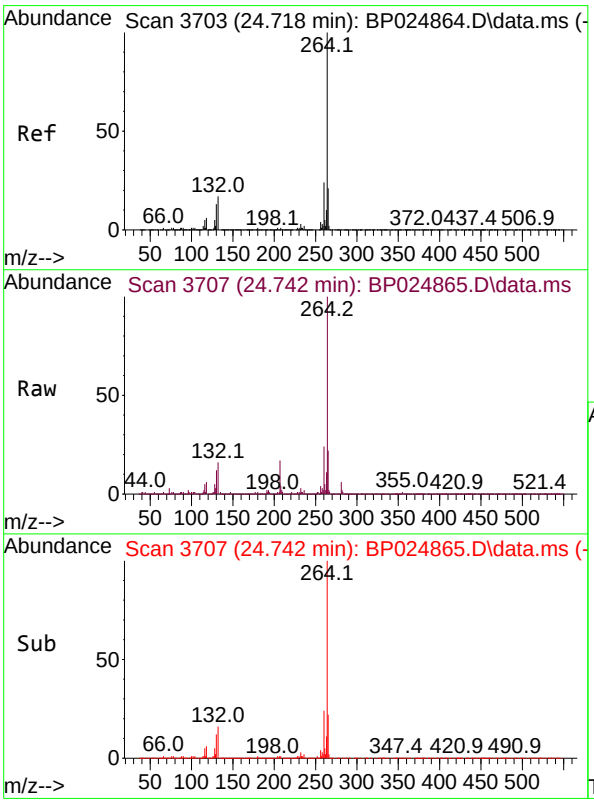
#85
Di-n-octyl phthalate
Concen: 54.889 ng
RT: 22.642 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 5061827

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.4	6.6	10.0

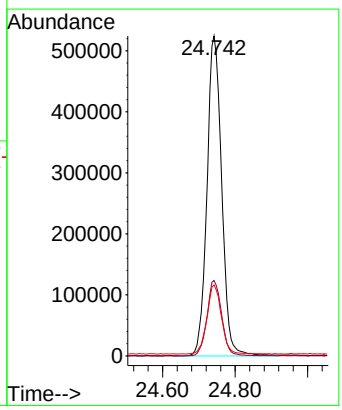


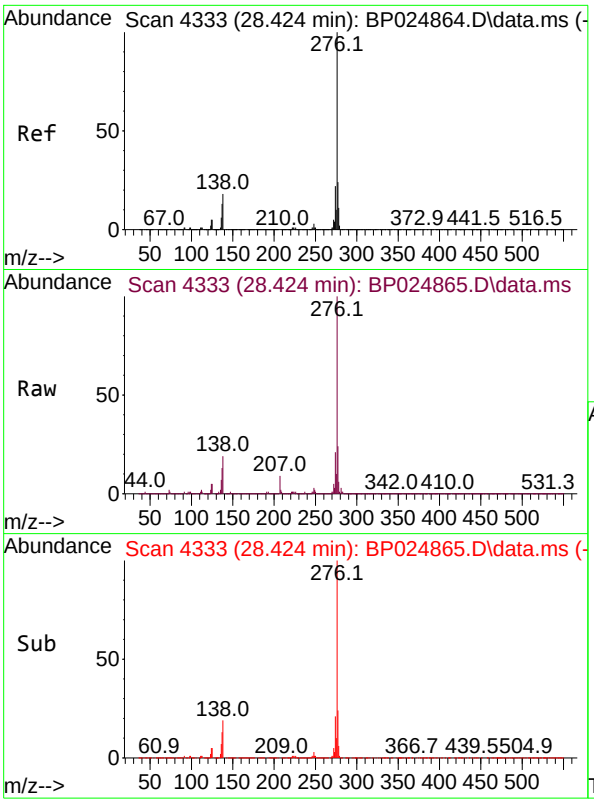


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.742 min Scan# 3707
Delta R.T. 0.023 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:264 Resp: 1475251

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.4
265	22.2	17.4	26.0



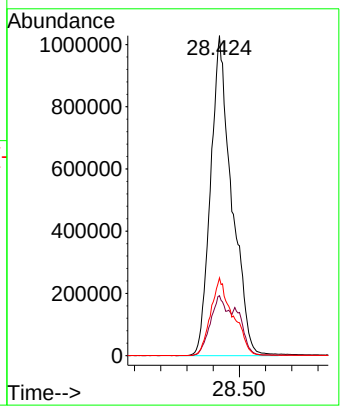


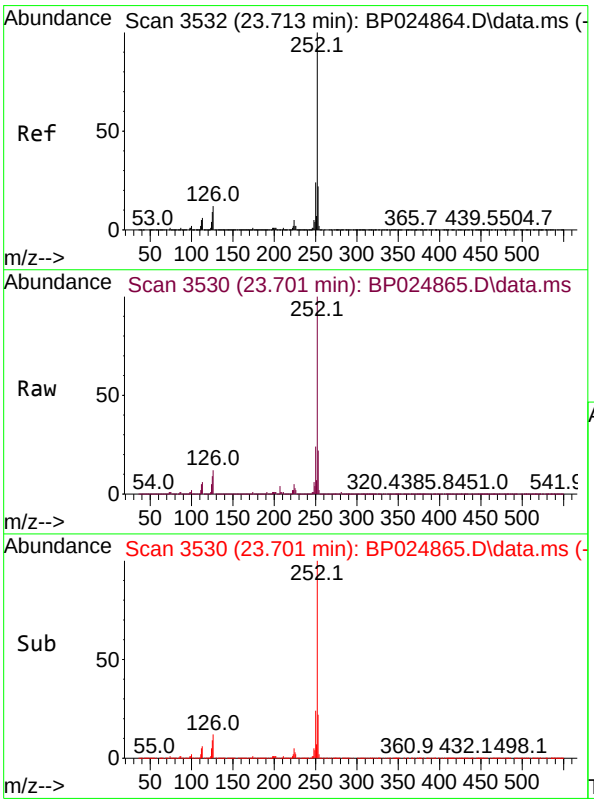
#87
Indeno(1,2,3-cd)pyrene
Concen: 53.412 ng
RT: 28.424 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 5749111

Ion	Ratio	Lower	Upper
276	100		
138	16.1	18.6	27.8#
277	25.4	20.2	30.4

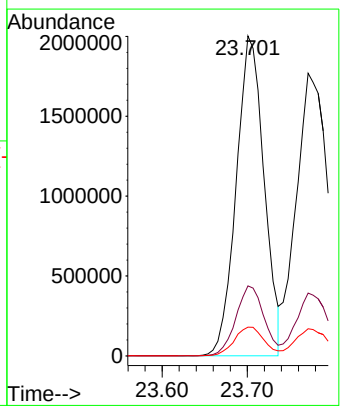


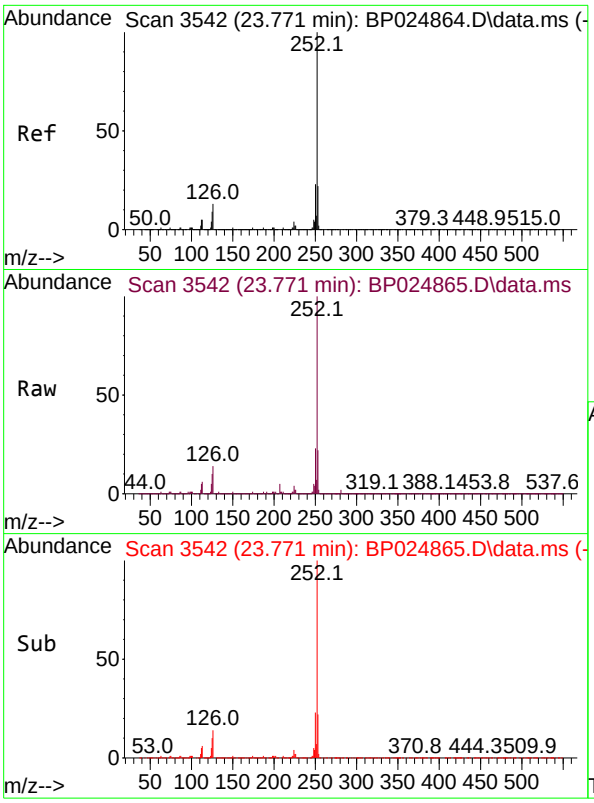


#88
Benzo(b)fluoranthene
Concen: 53.840 ng
RT: 23.701 min Scan# 3530
Delta R.T. -0.012 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:252 Resp: 4545535

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	9.0	7.1	10.7



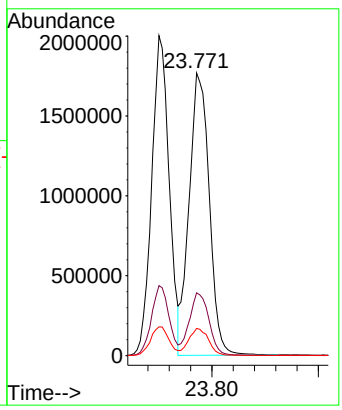


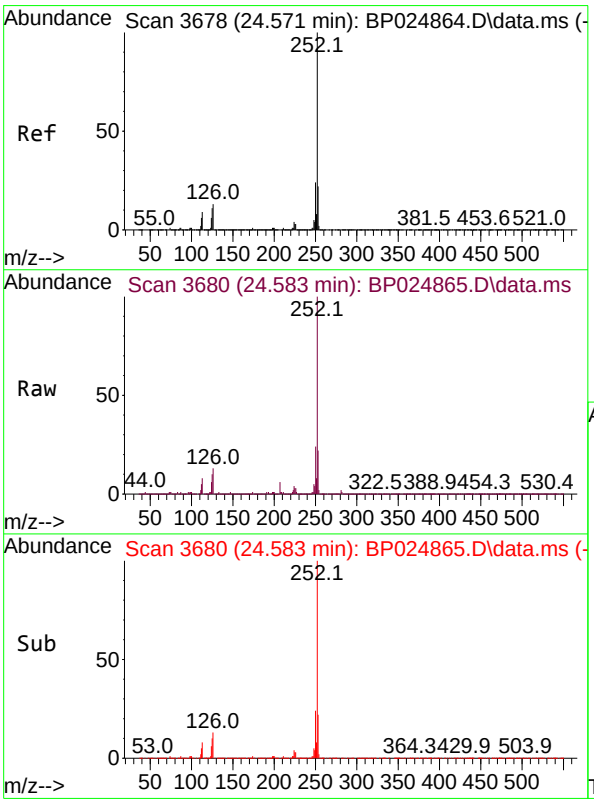
#89
Benzo(k)fluoranthene
Concen: 54.012 ng
RT: 23.771 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 4641829

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	9.6	7.4	11.0

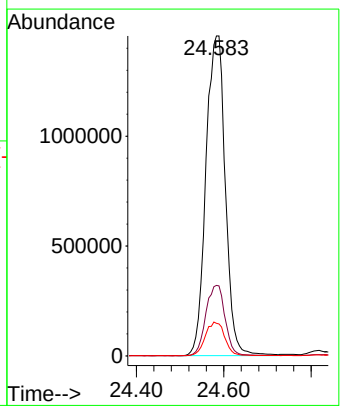


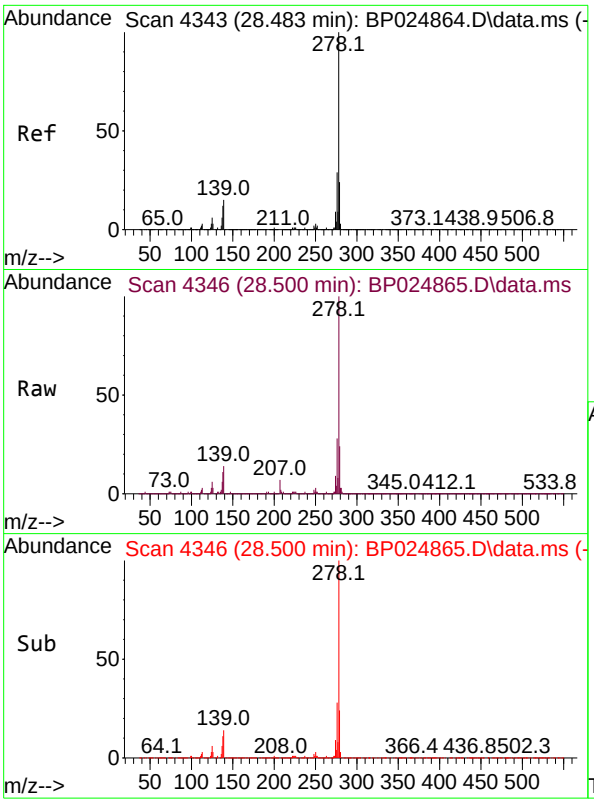


#90
Benzo(a)pyrene
Concen: 54.313 ng
RT: 24.583 min Scan# 3680
Delta R.T. 0.012 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:252 Resp: 4478222

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	10.2	8.8	13.2



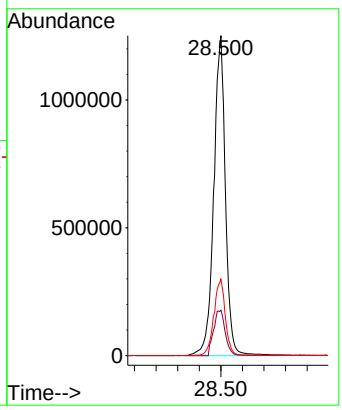


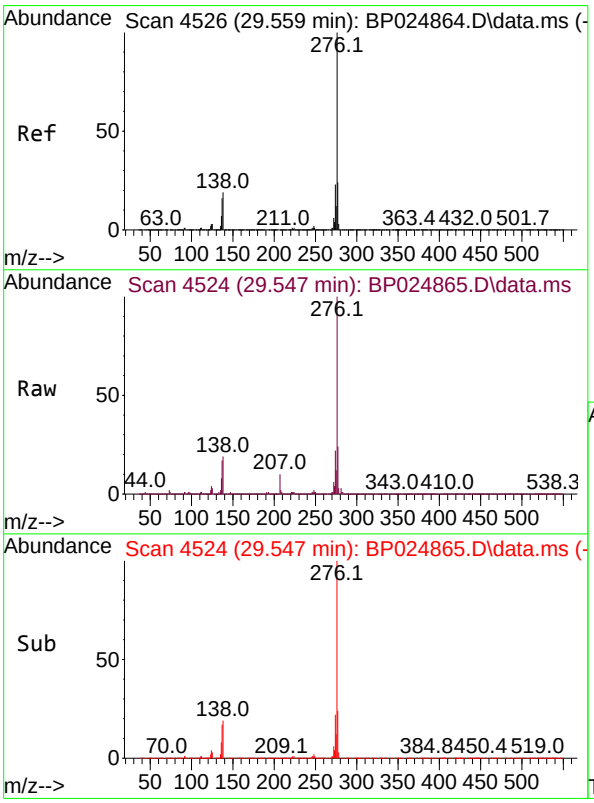
#91
Dibenzo(a,h)anthracene
Concen: 53.822 ng
RT: 28.500 min Scan# 4
Delta R.T. 0.018 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 4715596

Ion	Ratio	Lower	Upper
278	100		
139	14.2	12.0	18.0
279	23.9	19.1	28.7

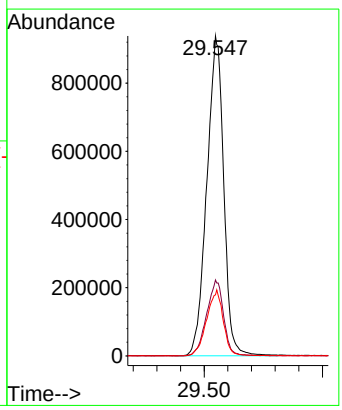




#92
Benzo(g,h,i)perylene
Concen: 53.490 ng
RT: 29.547 min Scan# 4524
Delta R.T. -0.012 min
Lab File: BP024865.D
Acq: 06 Jun 2025 13:56

Tgt Ion:276 Resp: 4649887

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.1	28.7
138	19.1	15.4	23.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024866.D
Acq On : 06 Jun 2025 14:37
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Jun 06 16:04:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	233459	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	1006719	20.000	ng	0.00
39) Acenaphthene-d10	14.248	164	639758	20.000	ng	0.00
64) Phenanthrene-d10	17.042	188	1223735	20.000	ng	-0.02
76) Chrysene-d12	21.477	240	1245531	20.000	ng	0.00
86) Perylene-d12	24.736	264	1494809	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.237	112	1754536	125.447	ng	0.00
7) Phenol-d6	6.814	99	2365958	127.853	ng	0.00
23) Nitrobenzene-d5	8.760	82	2555584	123.355	ng	0.00
42) 2,4,6-Tribromophenol	15.772	330	1097449	124.076	ng	-0.01
45) 2-Fluorobiphenyl	12.860	172	5620380	118.347	ng	0.00
79) Terphenyl-d14	19.778	244	8373144	120.485	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.167	88	360857	58.637	ng	100
3) Pyridine	3.561	79	957340	64.685	ng	99
4) n-Nitrosodimethylamine	3.478	42	387978	64.122	ng	99
6) Aniline	6.955	93	1528129	64.708	ng	100
8) 2-Chlorophenol	7.190	128	995913	62.813	ng	99
9) Benzaldehyde	6.766	77	608861	56.921	ng	99
10) Phenol	6.843	94	1231710	64.565	ng	98
11) bis(2-Chloroethyl)ether	7.043	93	926134	61.724	ng	98
12) 1,3-Dichlorobenzene	7.496	146	1063861	60.147	ng	99
13) 1,4-Dichlorobenzene	7.643	146	1074203	60.190	ng	100
14) 1,2-Dichlorobenzene	7.955	146	1045089	59.634	ng	99
15) Benzyl Alcohol	7.861	79	916921	64.561	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.125	45	1167705	59.460	ng	100
17) 2-Methylphenol	8.066	107	848195	63.670	ng	100
18) Hexachloroethane	8.666	117	401855	59.807	ng	96
19) n-Nitroso-di-n-propyla...	8.413	70	779593	61.970	ng	100
20) 3+4-Methylphenols	8.396	107	1154457	63.519	ng	96
22) Acetophenone	8.431	105	1540416	60.563	ng	99
24) Nitrobenzene	8.808	77	1136226	61.735	ng	99
25) Isophorone	9.325	82	2191187	61.027	ng	100
26) 2-Nitrophenol	9.507	139	587760	64.723	ng	99
27) 2,4-Dimethylphenol	9.578	122	965935	62.151	ng	100
28) bis(2-Chloroethoxy)met...	9.802	93	1278529	59.694	ng	98
29) 2,4-Dichlorophenol	10.049	162	945641	63.413	ng	99
30) 1,2,4-Trichlorobenzene	10.243	180	995211	59.169	ng	99
31) Naphthalene	10.431	128	3124640	60.566	ng	100
32) Benzoic acid	9.778	122	710052	68.525	ng	100
33) 4-Chloroaniline	10.549	127	1397378	64.650	ng	98
34) Hexachlorobutadiene	10.707	225	598677	59.056	ng	100
35) Caprolactam	11.360	113	349412	63.654	ng	93
36) 4-Chloro-3-methylphenol	11.696	107	1096315	63.738	ng	98
37) 2-Methylnaphthalene	12.043	142	2004422	61.250	ng	99
38) 1-Methylnaphthalene	12.266	142	2093346	59.832	ng	99
40) 1,2,4,5-Tetrachloroben...	12.419	216	1100767	60.637	ng	100
41) Hexachlorocyclopentadiene	12.390	237	707348	63.884	ng	98
43) 2,4,6-Trichlorophenol	12.672	196	776210	63.669	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024866.D
Acq On : 06 Jun 2025 14:37
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Jun 06 16:04:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration

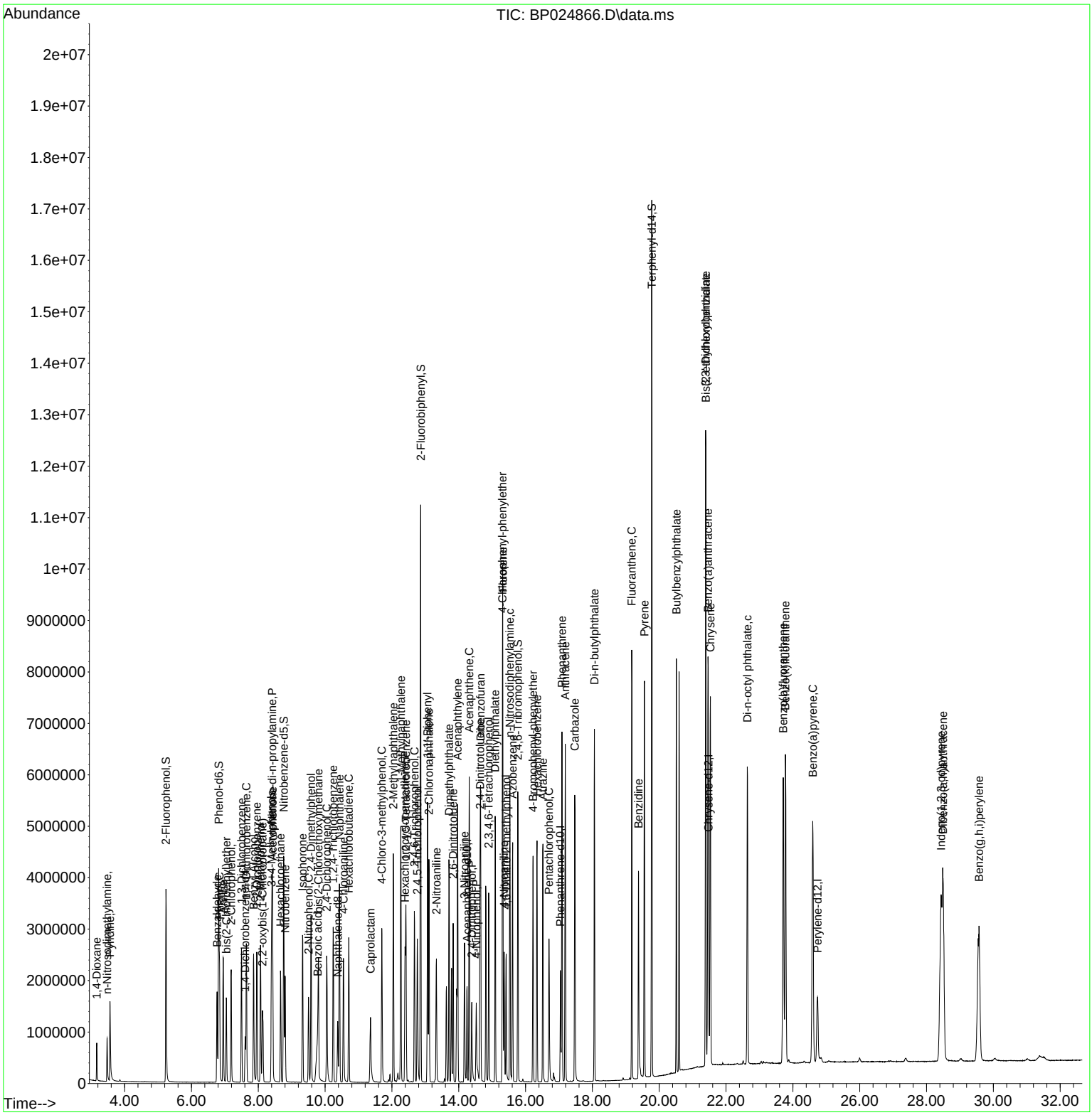
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.760	196	836590	64.077	ng	99
46) 1,1'-Biphenyl	13.066	154	2797746	60.176	ng	100
47) 2-Chloronaphthalene	13.107	162	2180558	61.023	ng	99
48) 2-Nitroaniline	13.331	65	718204	65.376	ng	97
49) Acenaphthylene	13.966	152	3653383	61.318	ng	100
50) Dimethylphthalate	13.707	163	2826983	59.902	ng	99
51) 2,6-Dinitrotoluene	13.831	165	639722	62.878	ng	96
52) Acenaphthene	14.313	154	2051309	60.082	ng	99
53) 3-Nitroaniline	14.172	138	698945	66.199	ng	98
54) 2,4-Dinitrophenol	14.390	184	398250	61.497	ng	97
55) Dibenzofuran	14.654	168	3267254	59.618	ng	99
56) 4-Nitrophenol	14.525	139	539162	61.650	ng	97
57) 2,4-Dinitrotoluene	14.637	165	901515	63.345	ng	98
58) Fluorene	15.319	166	2628887	59.381	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.895	232	730647	62.524	ng	99
60) Diethylphthalate	15.090	149	2772340	58.943	ng	98
61) 4-Chlorophenyl-phenyle...	15.307	204	1276716	58.980	ng	100
62) 4-Nitroaniline	15.360	138	639038	66.714	ng	96
63) Azobenzene	15.613	77	2561443	59.380	ng	98
65) 4,6-Dinitro-2-methylph...	15.419	198	524098	65.178	ng	100
66) n-Nitrosodiphenylamine	15.531	169	2282932	60.188	ng	99
67) 4-Bromophenyl-phenylether	16.225	248	839674	60.812	ng	98
68) Hexachlorobenzene	16.342	284	1008320	60.238	ng	97
69) Atrazine	16.519	200	836217	60.814	ng	99
70) Pentachlorophenol	16.701	266	561603	64.826	ng	99
71) Phenanthrene	17.089	178	4046968	59.844	ng	99
72) Anthracene	17.189	178	4160775	60.751	ng	99
73) Carbazole	17.472	167	3861413	60.827	ng	99
74) Di-n-butylphthalate	18.060	149	4672145	59.401	ng	100
75) Fluoranthene	19.178	202	4656349	59.407	ng	99
77) Benzidine	19.383	184	2477600	64.227	ng	100
78) Pyrene	19.560	202	4751590	61.064	ng	100
80) Butylbenzylphthalate	20.513	149	2225855	62.449	ng	96
81) Benzo(a)anthracene	21.460	228	4896757	61.469	ng	100
82) 3,3'-Dichlorobenzidine	21.389	252	1982344	62.681	ng	100
83) Chrysene	21.530	228	4625245	61.276	ng	99
84) Bis(2-ethylhexyl)phtha...	21.395	149	3103331	60.769	ng	99
85) Di-n-octyl phthalate	22.636	149	5491065	61.004	ng	100
87) Indeno(1,2,3-cd)pyrene	28.436	276	6771619	62.088	ng	100
88) Benzo(b)fluoranthene	23.713	252	5290333	61.842	ng	99
89) Benzo(k)fluoranthene	23.777	252	5191049	59.612	ng	99
90) Benzo(a)pyrene	24.595	252	5093340	60.965	ng	99
91) Dibenzo(a,h)anthracene	28.495	278	5489005	61.830	ng	100
92) Benzo(g,h,i)perylene	29.571	276	5442983	61.794	ng	100

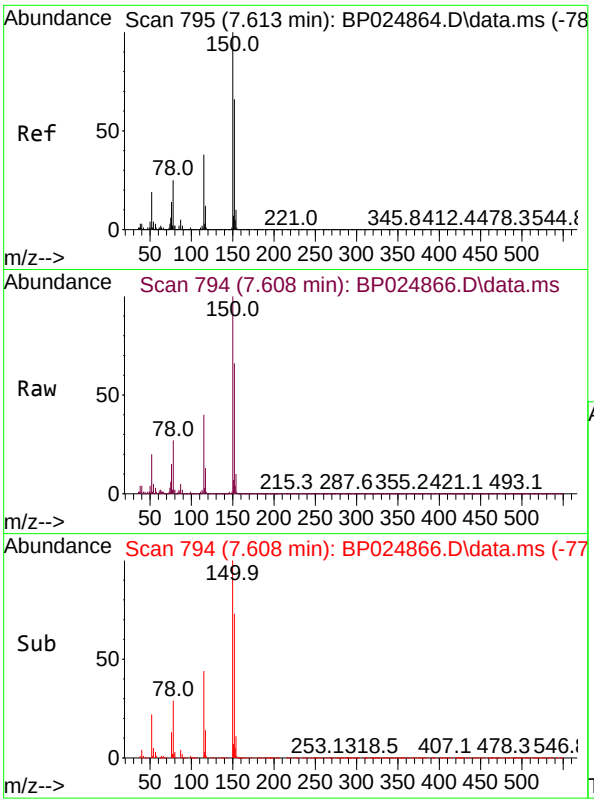
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024866.D
Acq On : 06 Jun 2025 14:37
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Jun 06 16:04:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration



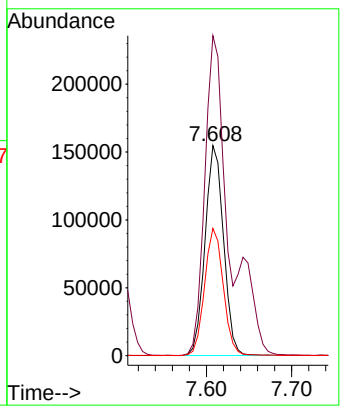


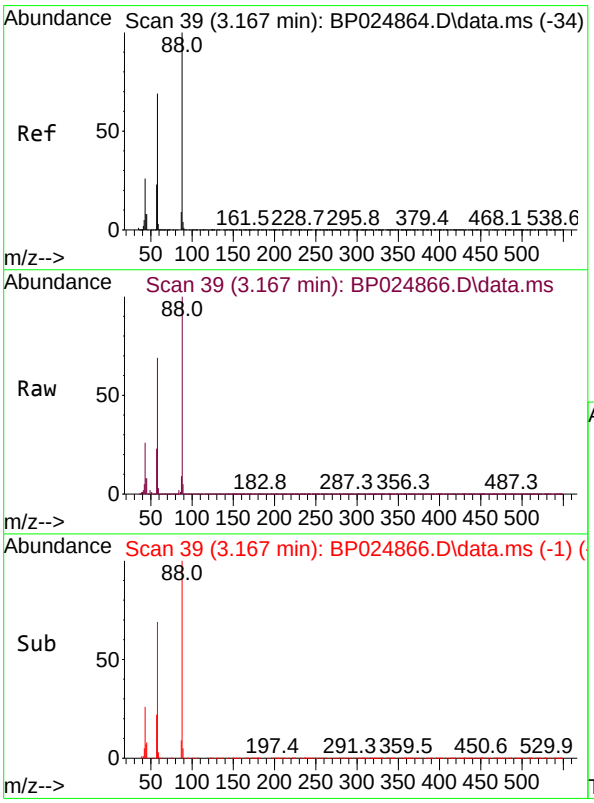
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 79
Delta R.T. -0.005 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 233459

Ion	Ratio	Lower	Upper
152	100		
150	152.3	122.1	183.1
115	60.5	46.4	69.6

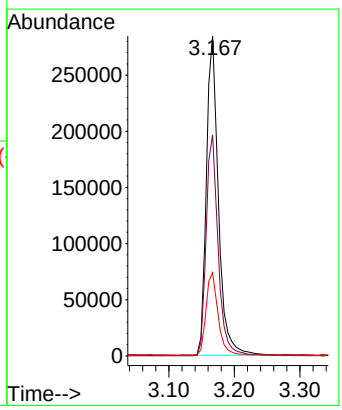


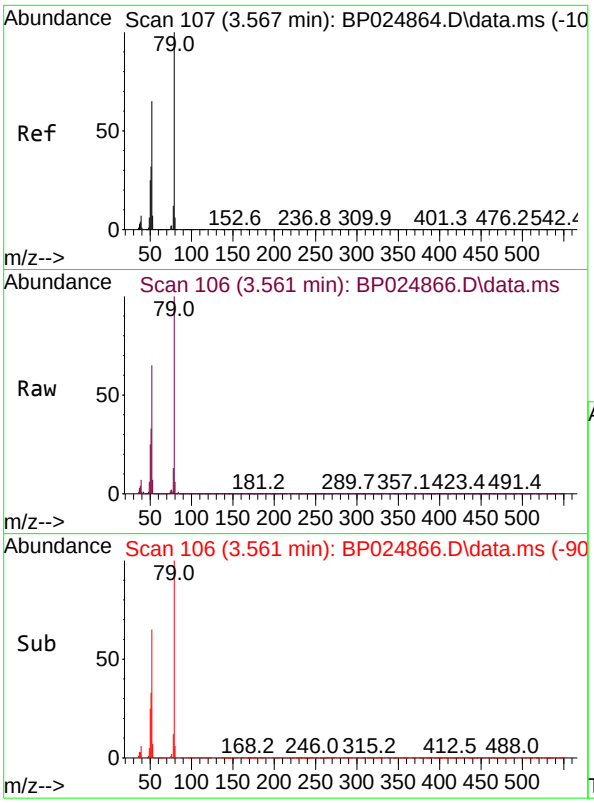


#2
1,4-Dioxane
Concen: 58.637 ng
RT: 3.167 min Scan# 39
Delta R.T. 0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion: 88 Resp: 360857

Ion	Ratio	Lower	Upper
88	100		
58	69.4	55.4	83.0
43	26.4	20.8	31.2



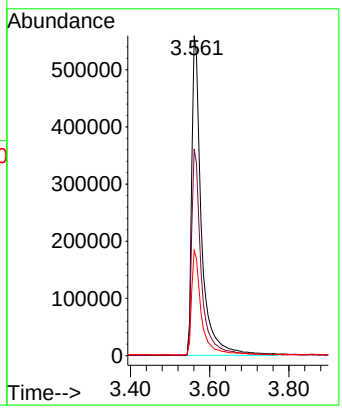


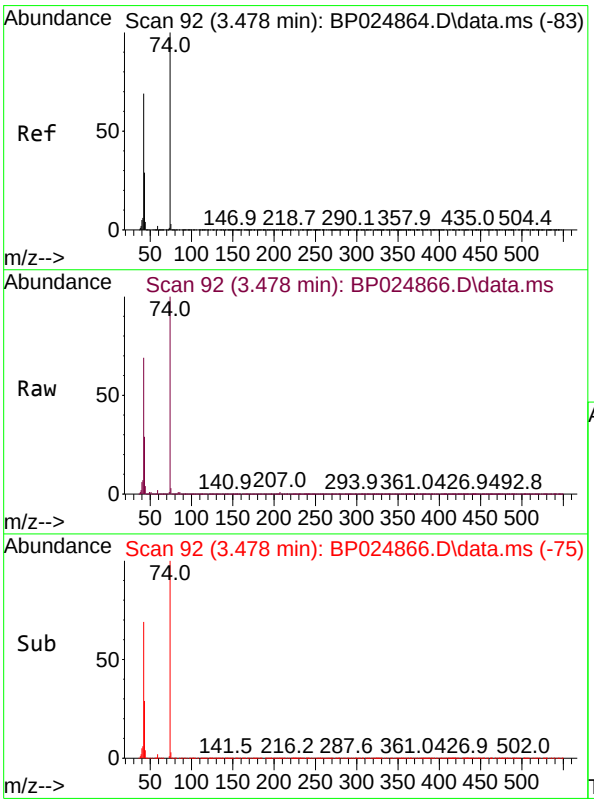
#3
Pyridine
Concen: 64.685 ng
RT: 3.561 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 957340

Ion	Ratio	Lower	Upper
79	100		
52	64.6	51.6	77.4
51	32.9	25.5	38.3

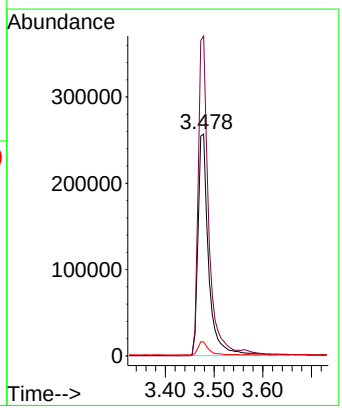


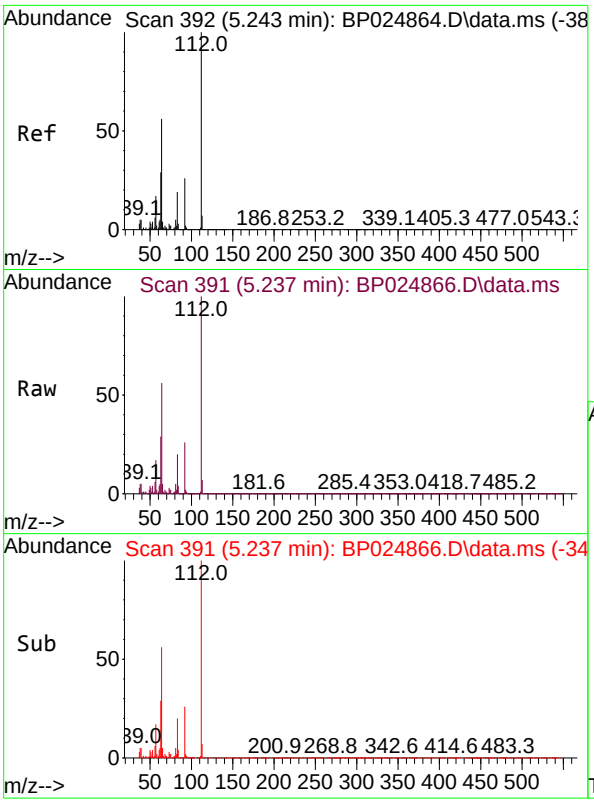


#4
n-Nitrosodimethylamine
Concen: 64.122 ng
RT: 3.478 min Scan# 92
Delta R.T. -0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion: 42 Resp: 387978

Ion	Ratio	Lower	Upper
42	100		
74	144.3	116.6	174.8
44	6.3	5.4	8.0



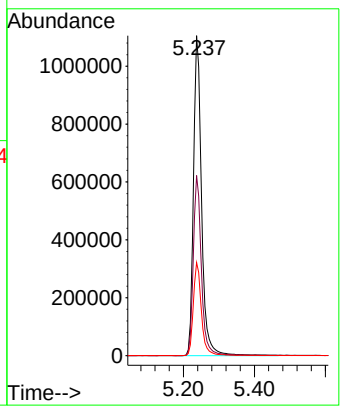


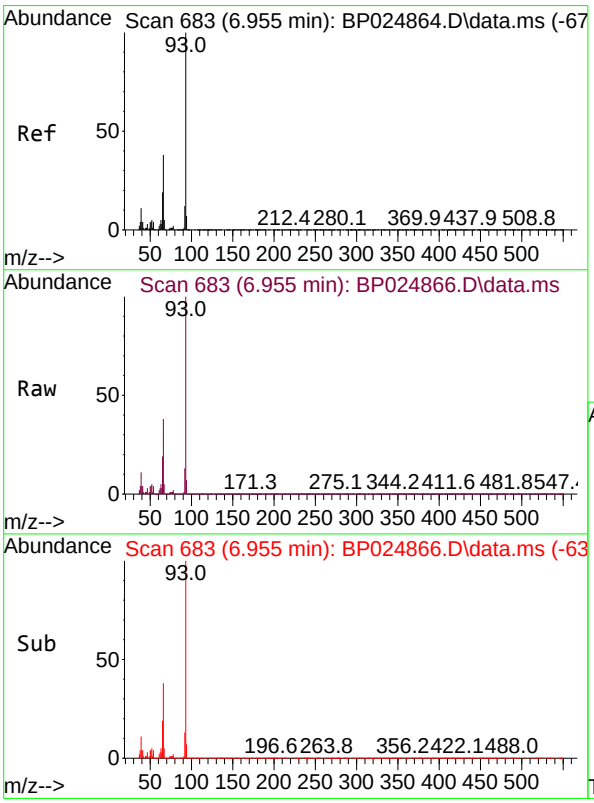
#5
2-Fluorophenol
Concen: 125.447 ng
RT: 5.237 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 1754536

Ion	Ratio	Lower	Upper
112	100		
64	56.3	44.7	67.1
63	29.1	23.5	35.3

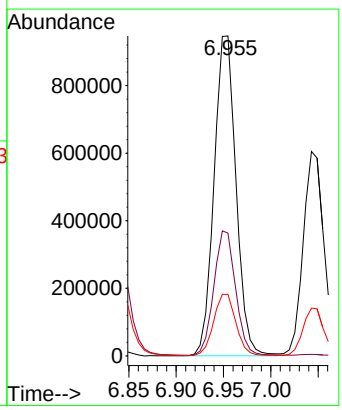


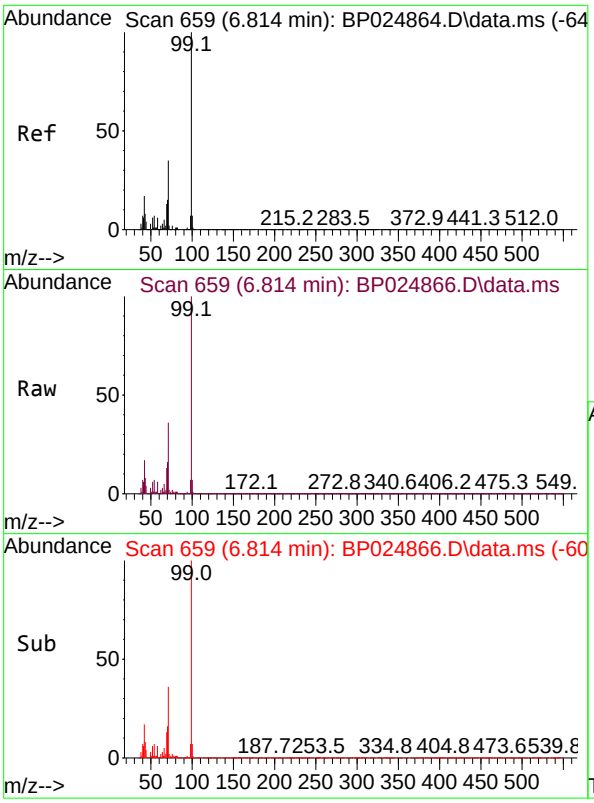


#6
Aniline
Concen: 64.708 ng
RT: 6.955 min Scan# 683
Delta R.T. 0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion: 93 Resp: 1528129

Ion	Ratio	Lower	Upper
93	100		
66	38.4	30.9	46.3
65	19.3	15.5	23.3



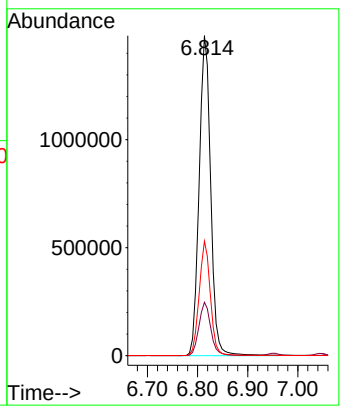


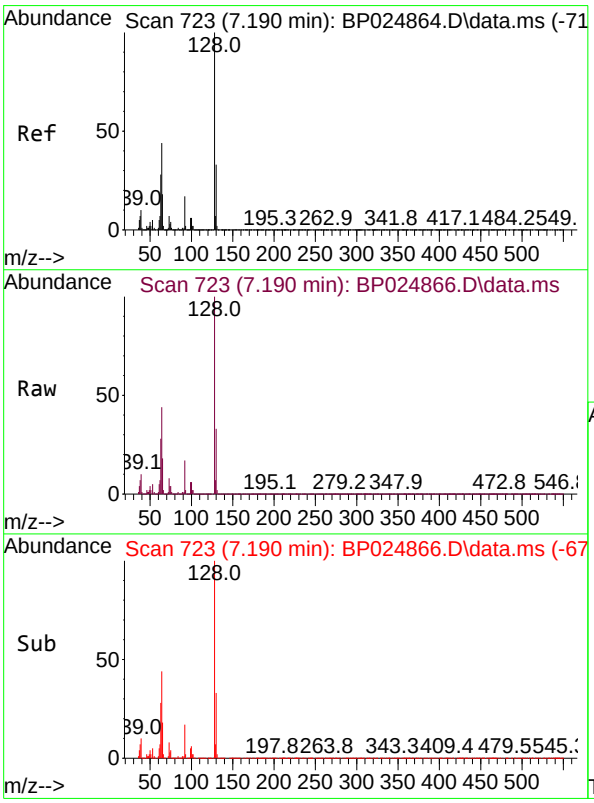
#7
Phenol-d6
Concen: 127.853 ng
RT: 6.814 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 2365958

Ion	Ratio	Lower	Upper
99	100		
42	16.7	13.4	20.2
71	35.8	27.6	41.4

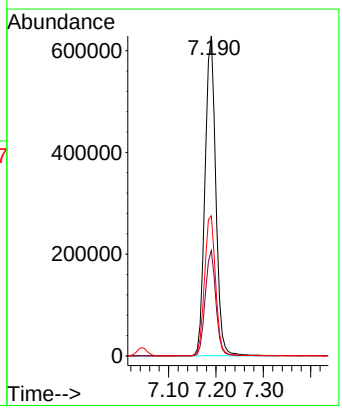


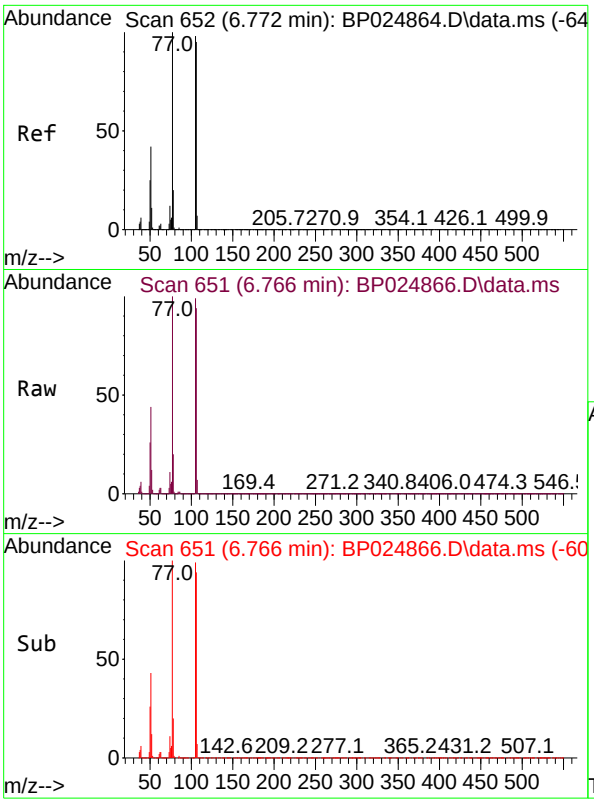


#8
2-Chlorophenol
Concen: 62.813 ng
RT: 7.190 min Scan# 723
Delta R.T. 0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:128 Resp: 995913

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.6	52.6
64	43.8	24.1	64.1



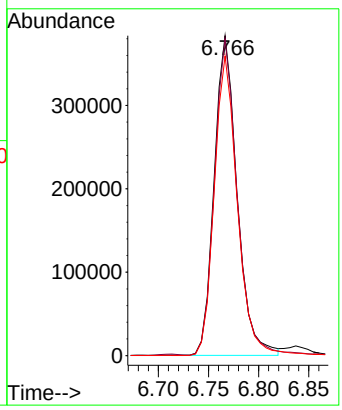


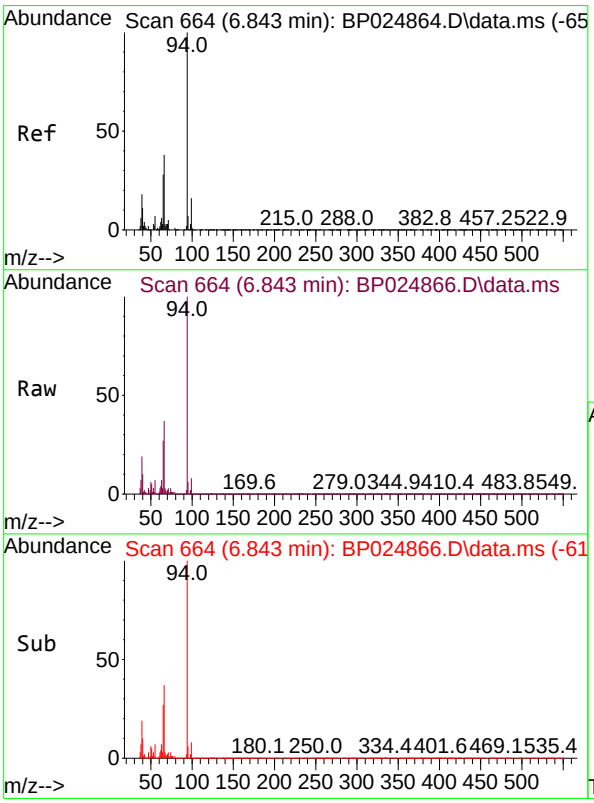
#9
Benzaldehyde
Concen: 56.921 ng
RT: 6.766 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 608861

Ion	Ratio	Lower	Upper
77	100		
105	99.0	77.7	117.7
106	93.6	74.8	114.8

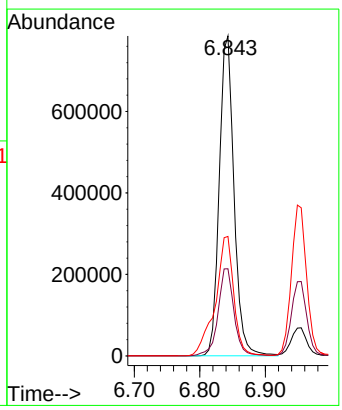


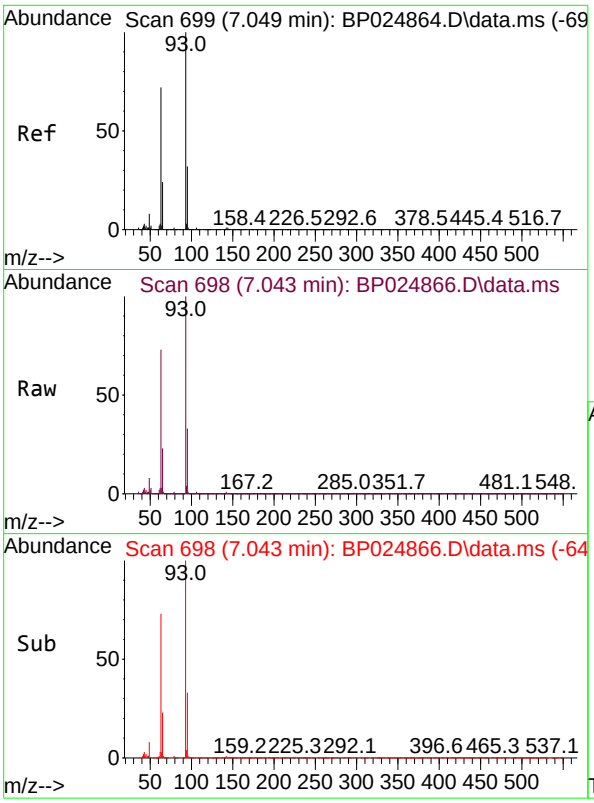


#10
Phenol
Concen: 64.565 ng
RT: 6.843 min Scan# 664
Delta R.T. -0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion: 94 Resp: 1231710

Ion	Ratio	Lower	Upper
94	100		
65	27.3	8.3	48.3
66	37.3	18.2	58.2



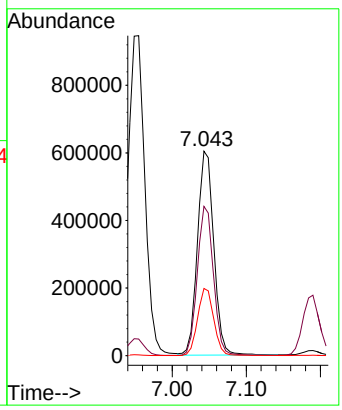


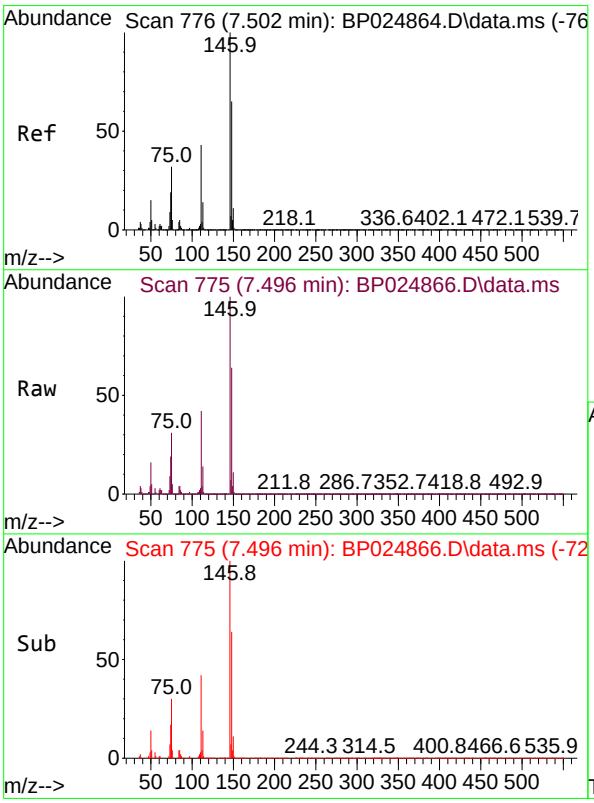
#11
bis(2-Chloroethyl)ether
Concen: 61.724 ng
RT: 7.043 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 926134

Ion	Ratio	Lower	Upper
93	100		
63	73.0	51.6	91.6
95	32.9	12.1	52.1

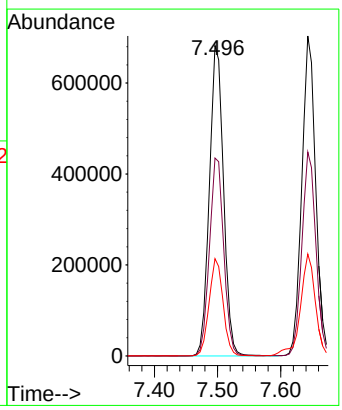


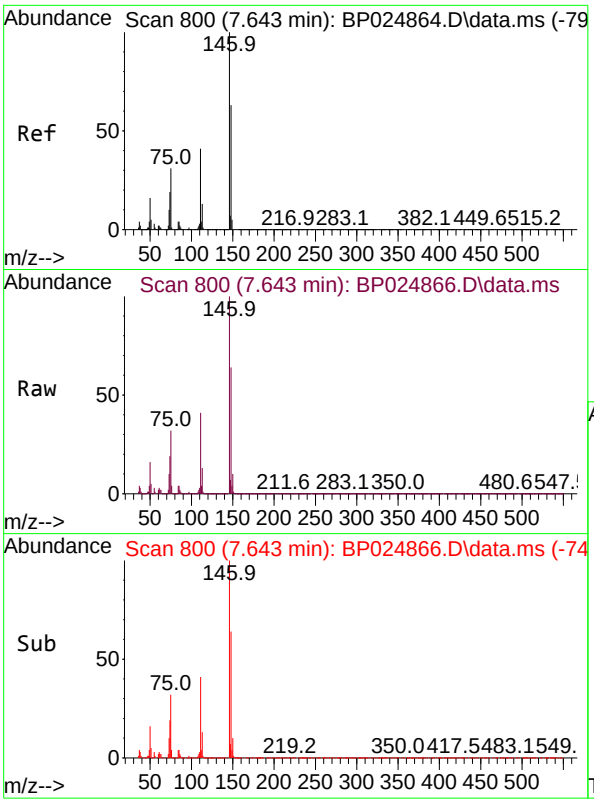


#12
1,3-Dichlorobenzene
Concen: 60.147 ng
RT: 7.496 min Scan# 775
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:146 Resp: 1063861

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.8	77.8
75	31.3	25.3	37.9



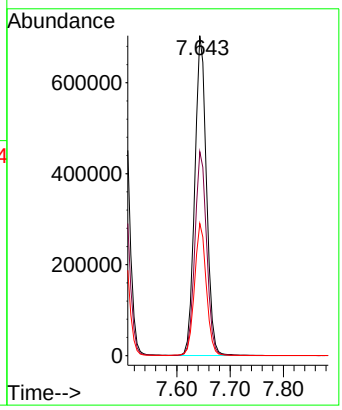


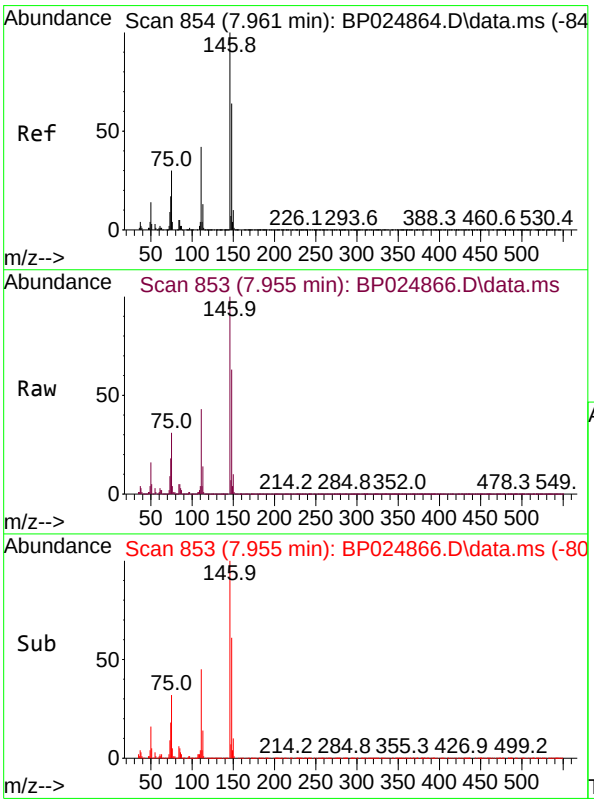
#13
1,4-Dichlorobenzene
Concen: 60.190 ng
RT: 7.643 min Scan# 80
Delta R.T. 0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 1074203

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.8	76.2
111	41.3	32.7	49.1

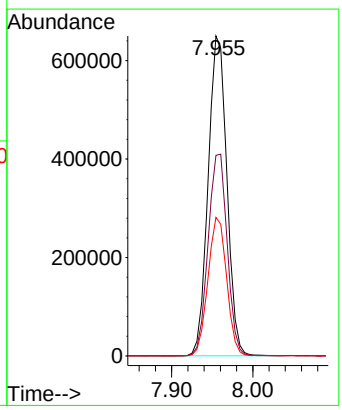


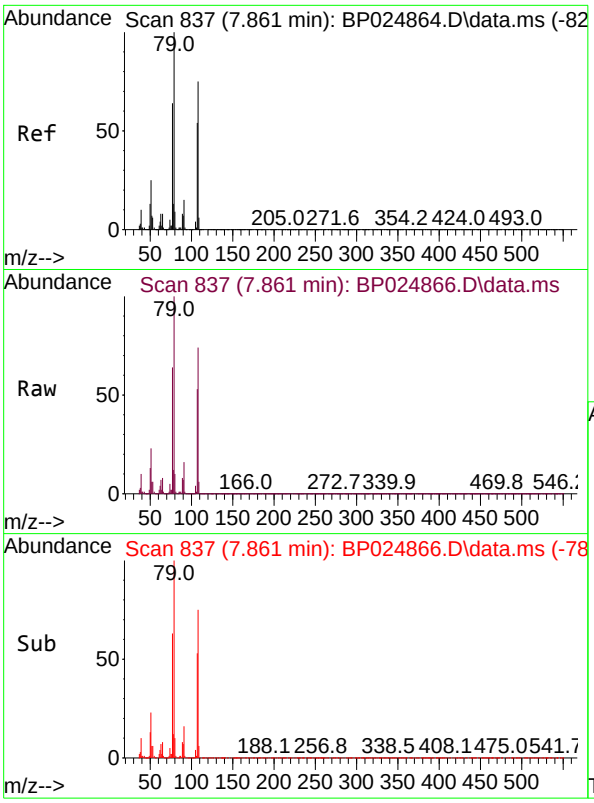


#14
1,2-Dichlorobenzene
Concen: 59.634 ng
RT: 7.955 min Scan# 853
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:146 Resp: 1045089

Ion	Ratio	Lower	Upper
146	100		
148	62.7	51.0	76.4
111	43.3	33.8	50.8



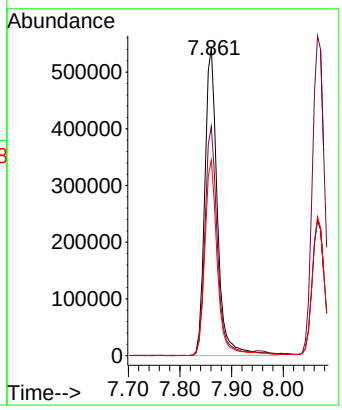


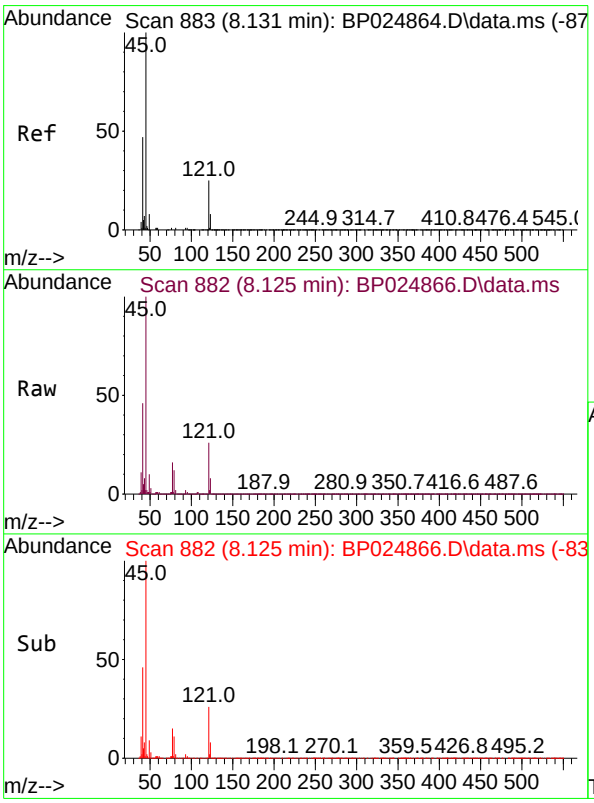
#15
Benzyl Alcohol
Concen: 64.561 ng
RT: 7.861 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 916921

Ion	Ratio	Lower	Upper
79	100		
108	74.5	60.2	90.4
77	63.5	51.2	76.8

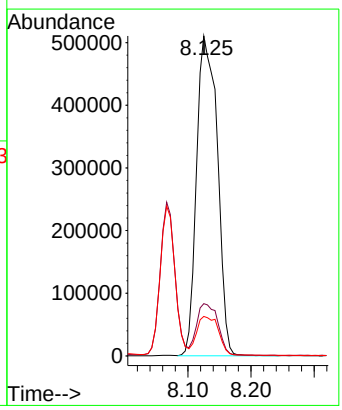


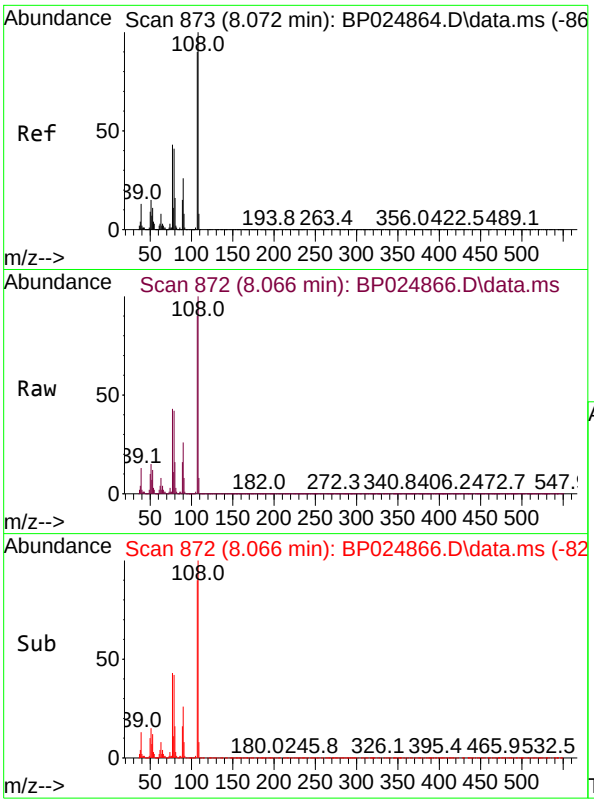


#16
2,2'-oxybis(1-Chloropropane)
Concen: 59.460 ng
RT: 8.125 min Scan# 882
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion: 45 Resp: 1167705

Ion	Ratio	Lower	Upper
45	100		
77	16.3	0.0	36.3
79	12.3	0.0	32.2



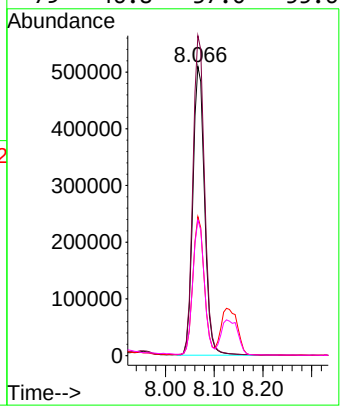


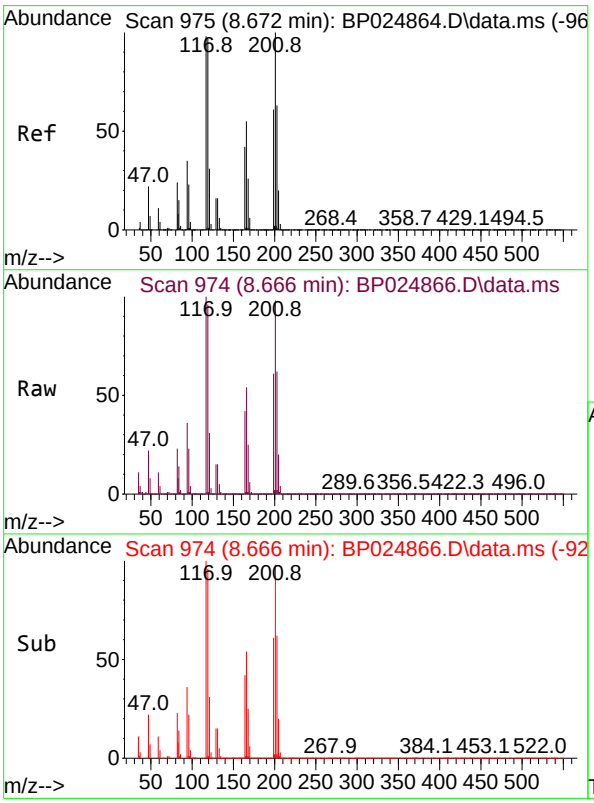
#17
2-Methylphenol
Concen: 63.670 ng
RT: 8.066 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 848195

Ion	Ratio	Lower	Upper
107	100		
108	110.6	88.6	132.8
77	48.1	38.5	57.7
79	46.8	37.0	55.6

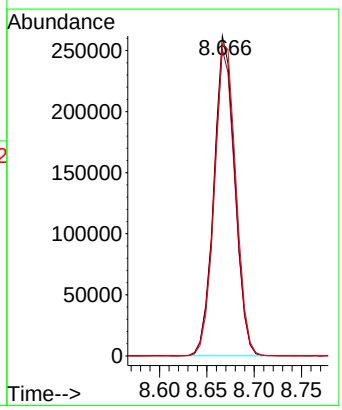


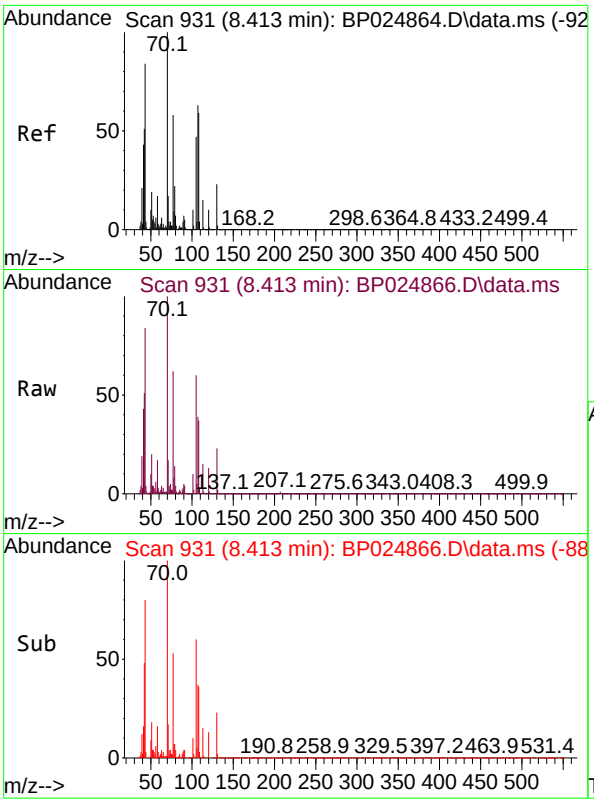


#18
Hexachloroethane
Concen: 59.807 ng
RT: 8.666 min Scan# 974
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:117 Resp: 401855

Ion	Ratio	Lower	Upper
117	100		
119	95.8	79.4	119.2
201	97.5	81.4	122.2



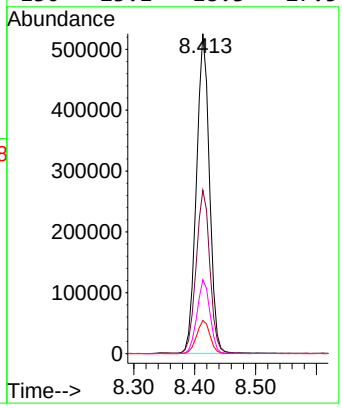


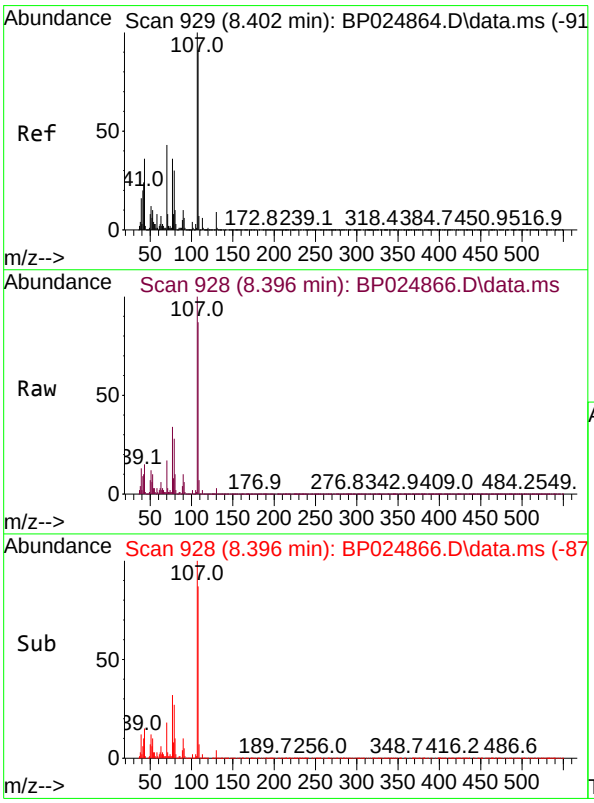
#19
n-Nitroso-di-n-propylamine
Concen: 61.970 ng
RT: 8.413 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 779593

Ion	Ratio	Lower	Upper
70	100		
42	51.1	41.2	61.8
101	10.4	8.3	12.5
130	23.1	18.3	27.5

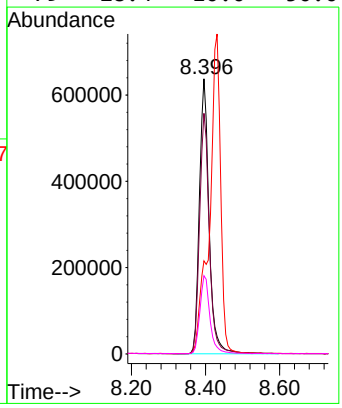


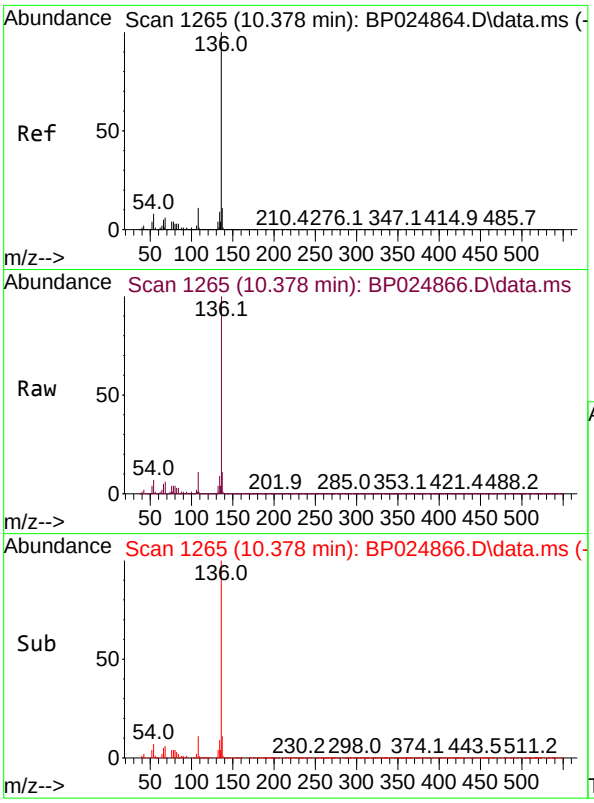


#20
3+4-Methylphenols
Concen: 63.519 ng
RT: 8.396 min Scan# 928
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:107 Resp: 1154457

Ion	Ratio	Lower	Upper
107	100		
108	87.5	70.7	110.7
77	33.8	16.6	56.6
79	28.4	10.0	50.0



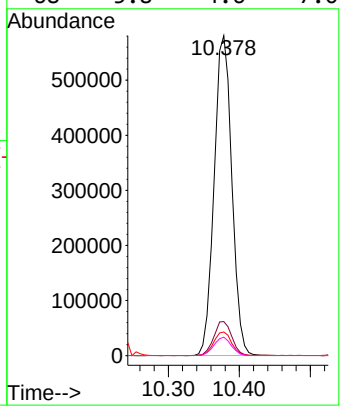


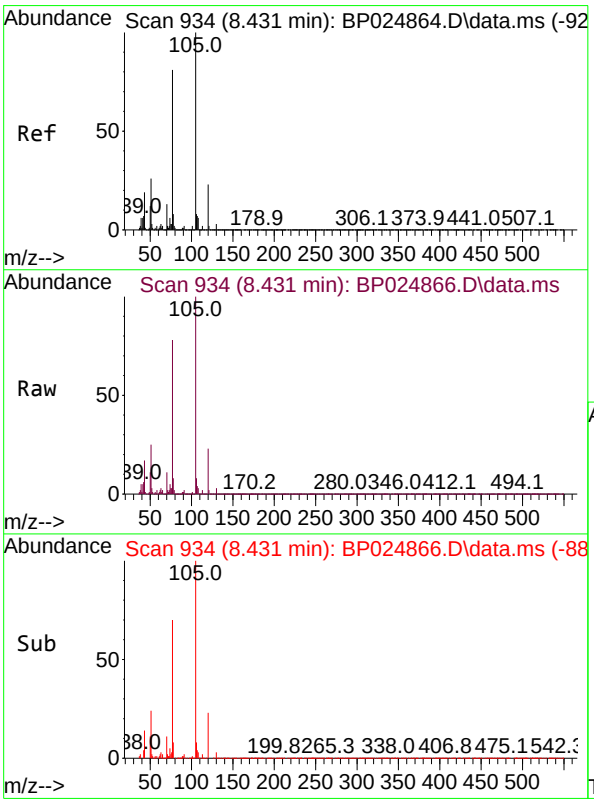
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 1006719

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	7.4	6.1	9.1
68	5.8	4.6	7.0

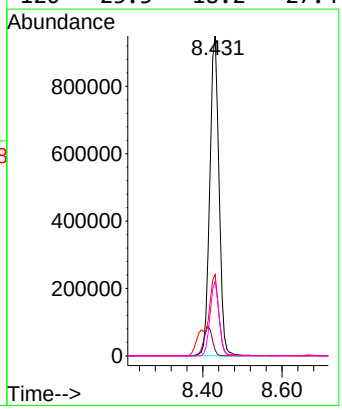


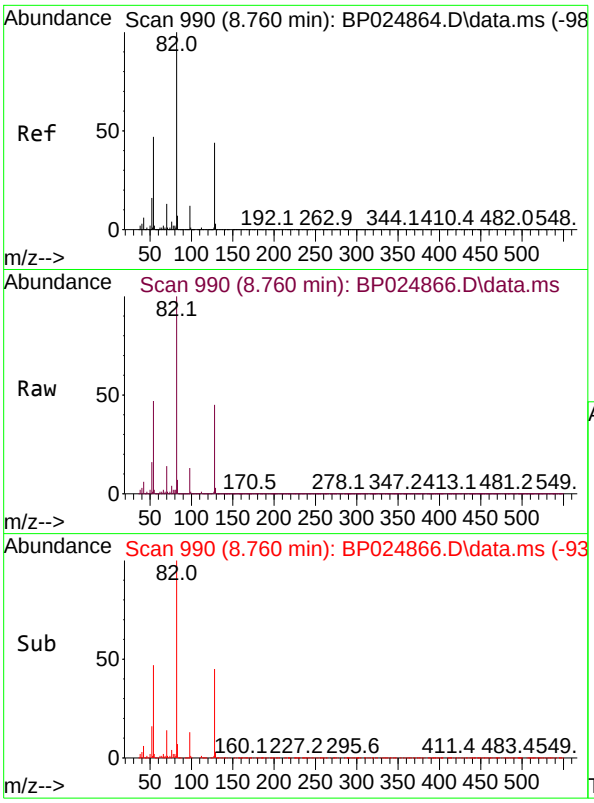


#22
Acetophenone
Concen: 60.563 ng
RT: 8.431 min Scan# 934
Delta R.T. -0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:105 Resp: 1540416

Ion	Ratio	Lower	Upper
105	100		
71	1.9	1.6	2.4
51	25.4	20.6	31.0
120	23.3	18.2	27.4



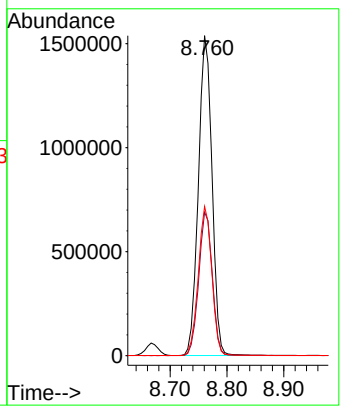


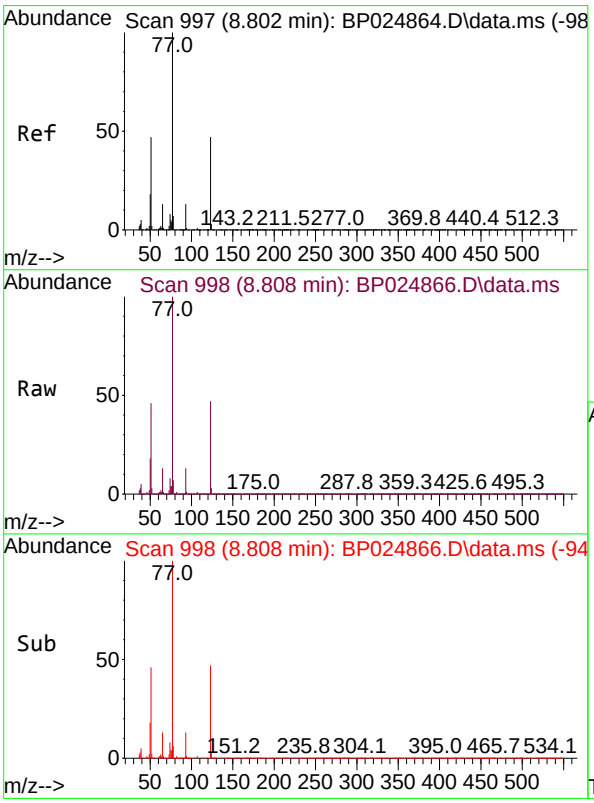
#23
Nitrobenzene-d5
Concen: 123.355 ng
RT: 8.760 min Scan# 99
Delta R.T. 0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 2555584

Ion	Ratio	Lower	Upper
82	100		
128	44.9	35.3	52.9
54	46.6	37.4	56.0

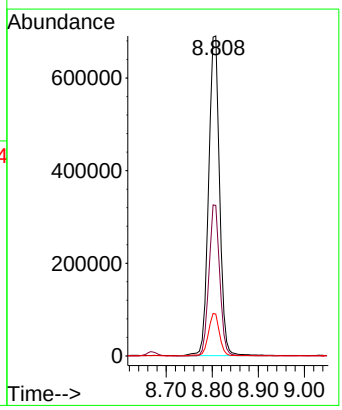


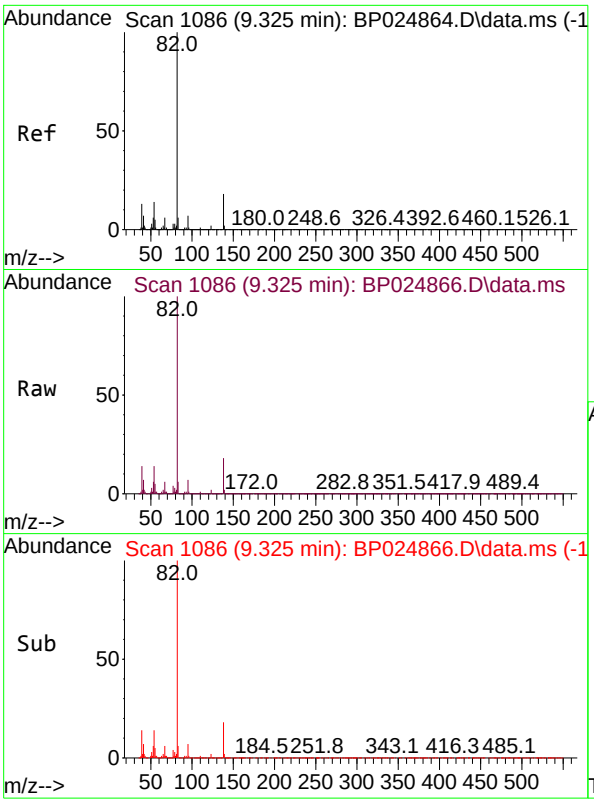


#24
Nitrobenzene
Concen: 61.735 ng
RT: 8.808 min Scan# 998
Delta R.T. 0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion: 77 Resp: 1136226

Ion	Ratio	Lower	Upper
77	100		
123	47.0	37.3	55.9
65	13.1	10.8	16.2



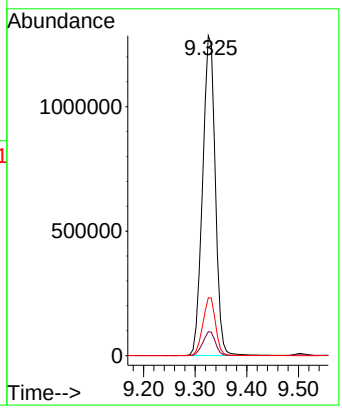


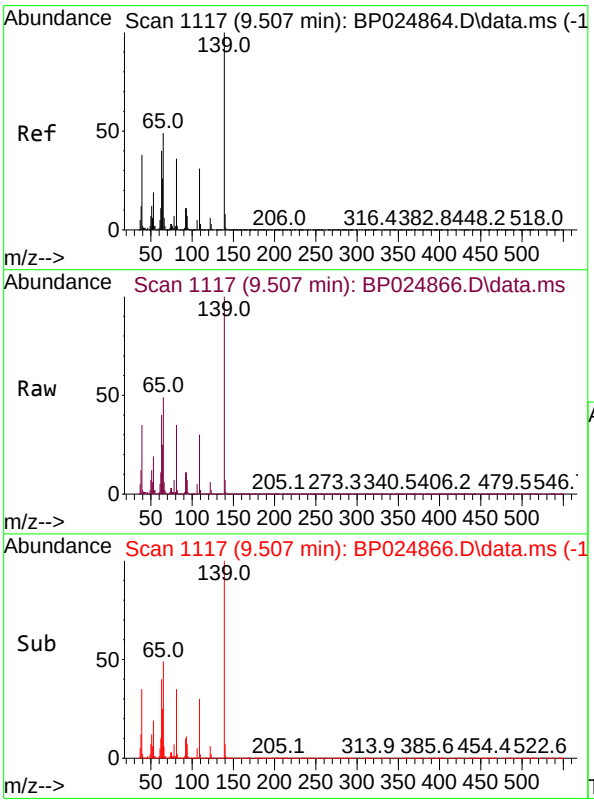
#25
Isophorone
Concen: 61.027 ng
RT: 9.325 min Scan# 10
Delta R.T. -0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 2191187

Ion	Ratio	Lower	Upper
82	100		
95	7.5	5.9	8.9
138	18.1	14.6	21.8

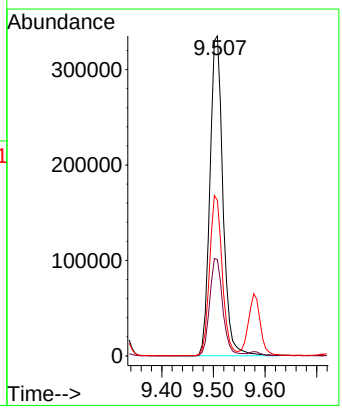


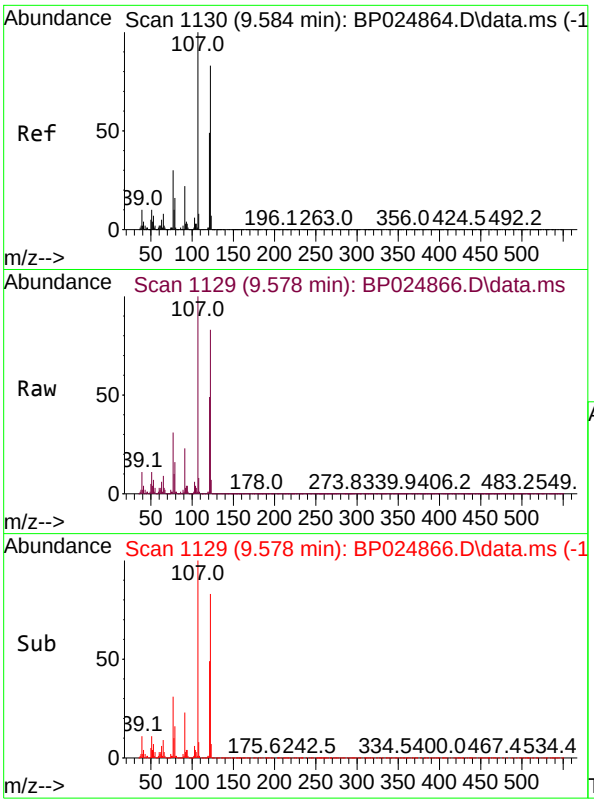


#26
2-Nitrophenol
Concen: 64.723 ng
RT: 9.507 min Scan# 1117
Delta R.T. 0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:139 Resp: 587760

Ion	Ratio	Lower	Upper
139	100		
109	30.1	24.6	37.0
65	48.6	39.5	59.3



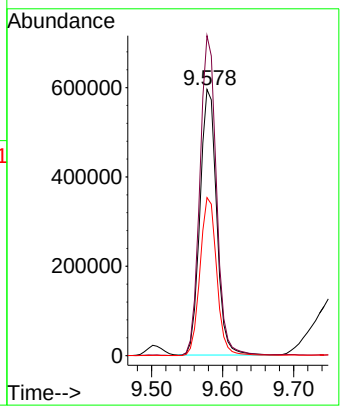


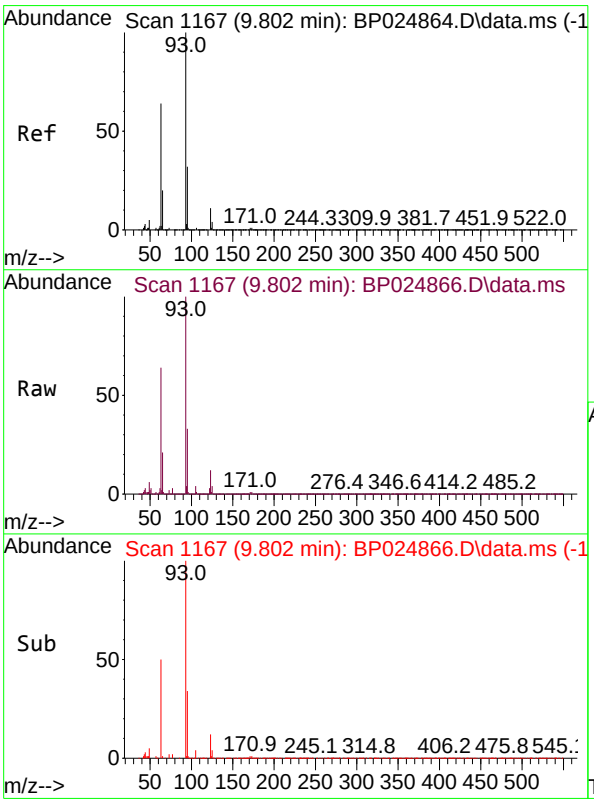
#27
2,4-Dimethylphenol
Concen: 62.151 ng
RT: 9.578 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 965935

Ion	Ratio	Lower	Upper
122	100		
107	120.2	96.2	144.4
121	59.4	47.0	70.4

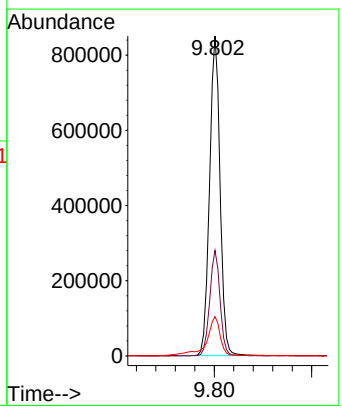


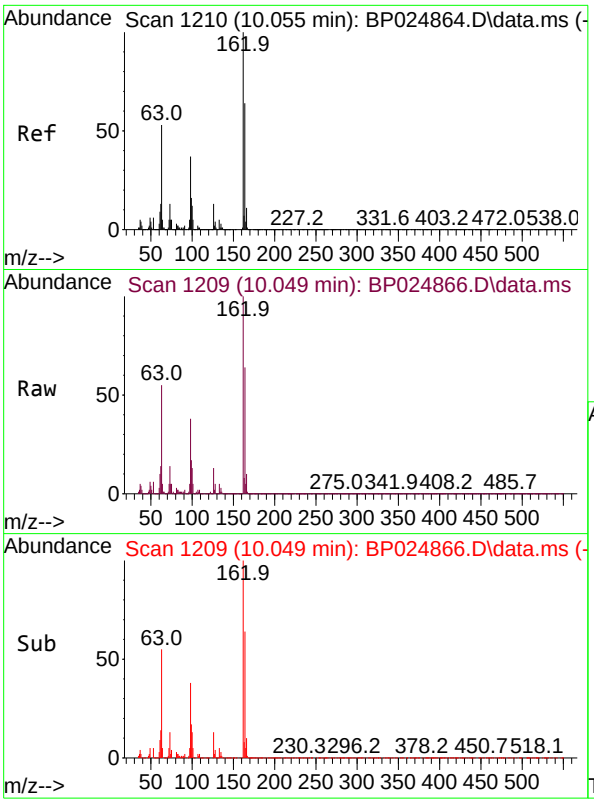


#28
bis(2-Chloroethoxy)methane
Concen: 59.694 ng
RT: 9.802 min Scan# 1167
Delta R.T. -0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion: 93 Resp: 1278529

Ion	Ratio	Lower	Upper
93	100		
95	33.0	25.5	38.3
123	12.3	9.2	13.8



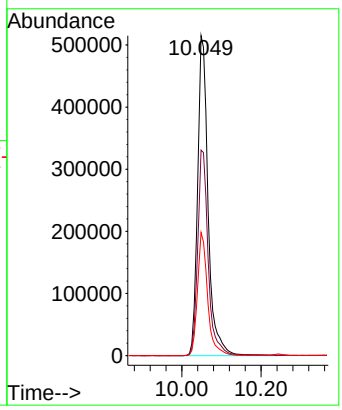


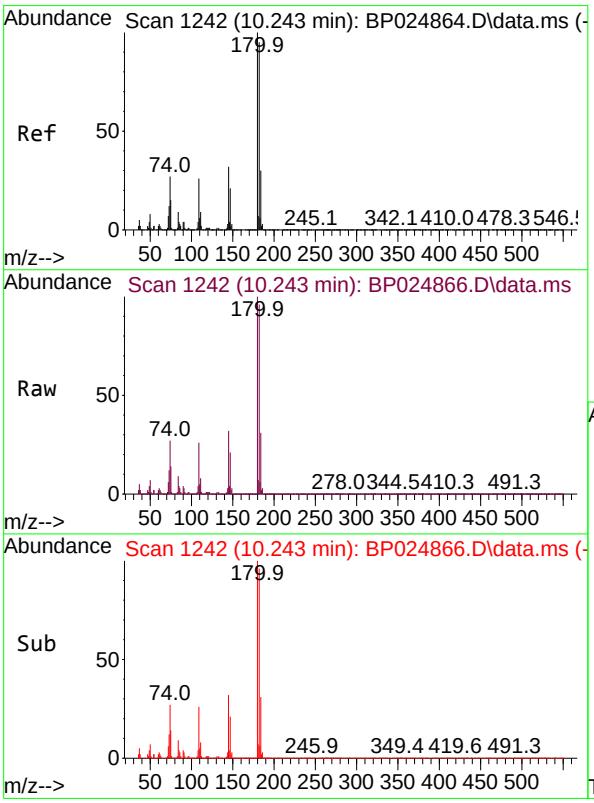
#29
2,4-Dichlorophenol
Concen: 63.413 ng
RT: 10.049 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 945641

Ion	Ratio	Lower	Upper
162	100		
164	64.2	44.0	84.0
98	38.5	16.9	56.9

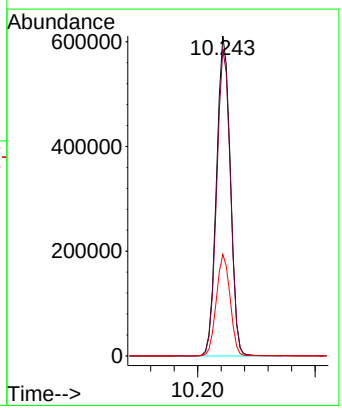


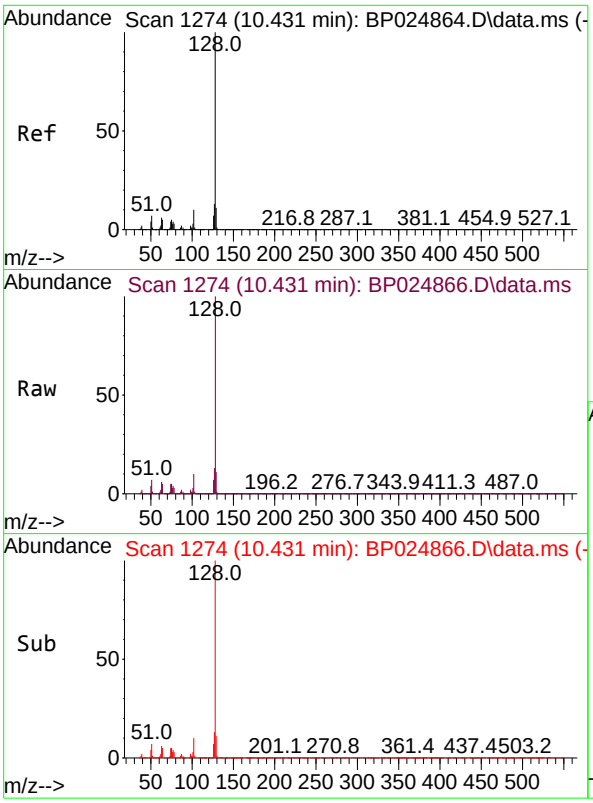


#30
1,2,4-Trichlorobenzene
Concen: 59.169 ng
RT: 10.243 min Scan# 1242
Delta R.T. -0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:180 Resp: 995211

Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.8	113.6
145	31.7	25.7	38.5



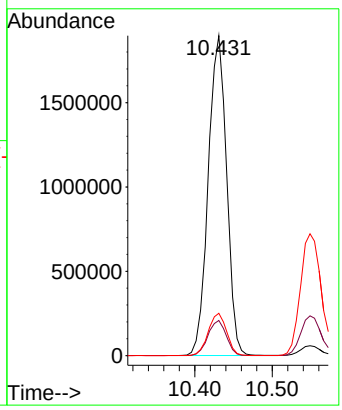


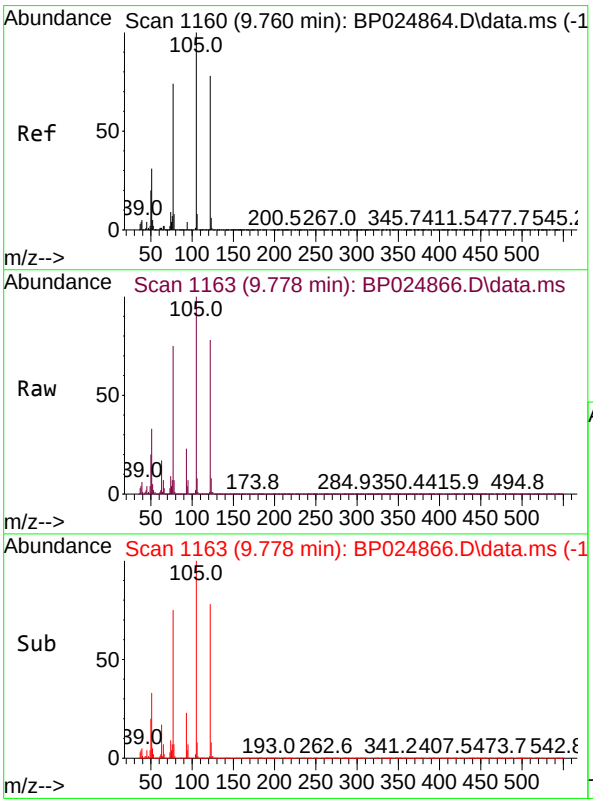
#31
Naphthalene
Concen: 60.566 ng
RT: 10.431 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 3124640

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	13.2	10.7	16.1

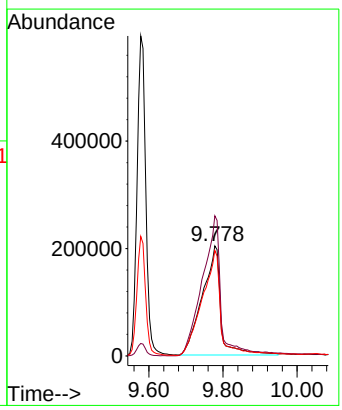


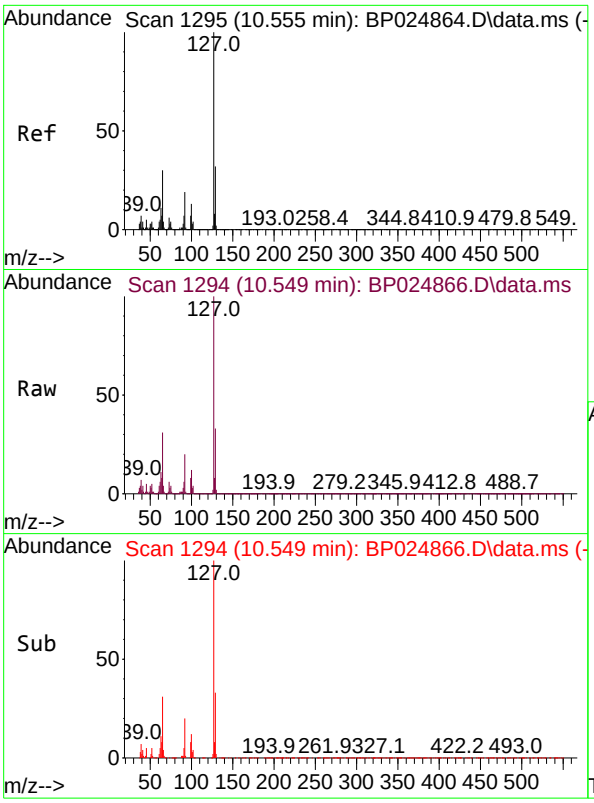


#32
Benzoic acid
Concen: 68.525 ng
RT: 9.778 min Scan# 1163
Delta R.T. 0.018 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:122 Resp: 710052

Ion	Ratio	Lower	Upper
122	100		
105	127.5	107.1	147.1
77	95.8	75.1	115.1



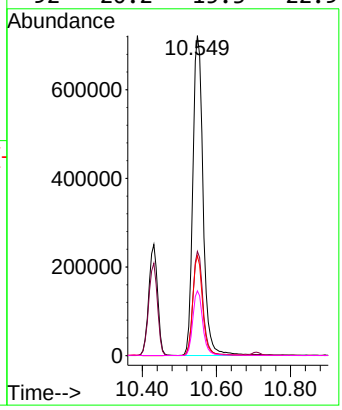


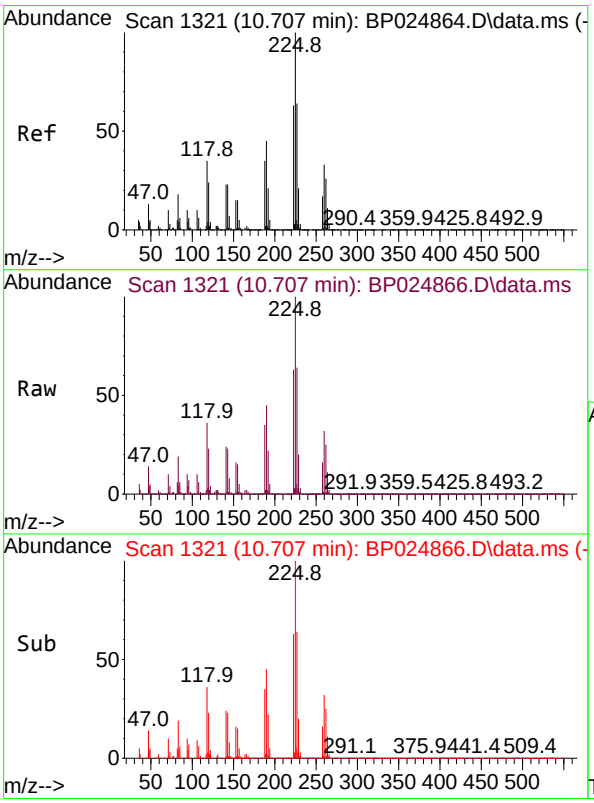
#33
4-Chloroaniline
Concen: 64.650 ng
RT: 10.549 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 1397378

Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.9	38.9
65	31.2	23.9	35.9
92	20.2	15.3	22.9

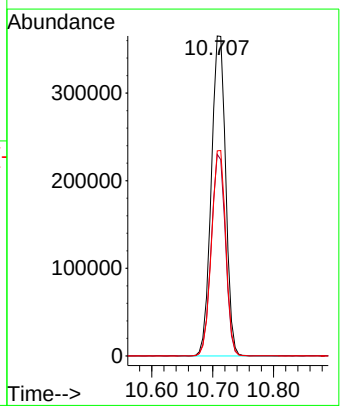


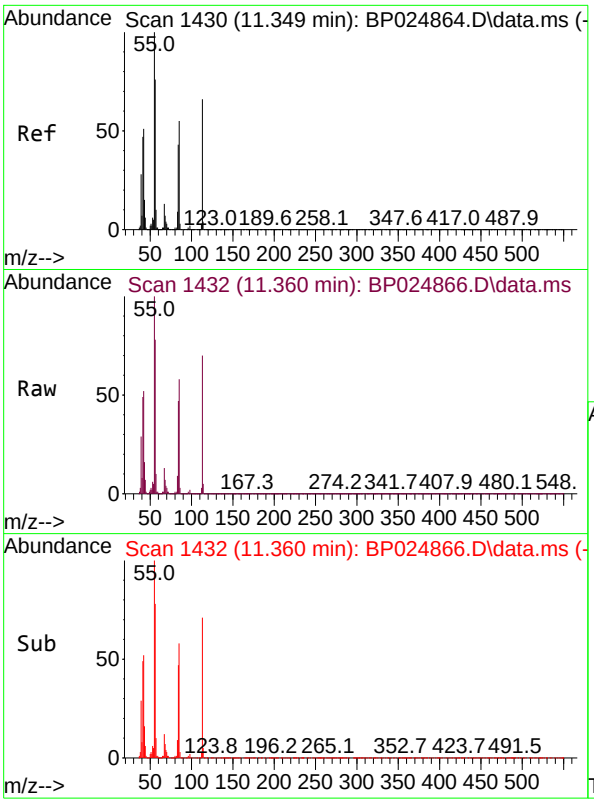


#34
Hexachlorobutadiene
Concen: 59.056 ng
RT: 10.707 min Scan# 1321
Delta R.T. -0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:225 Resp: 598677

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.5	75.7
227	64.1	51.4	77.2



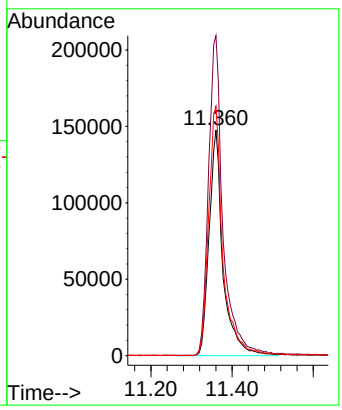


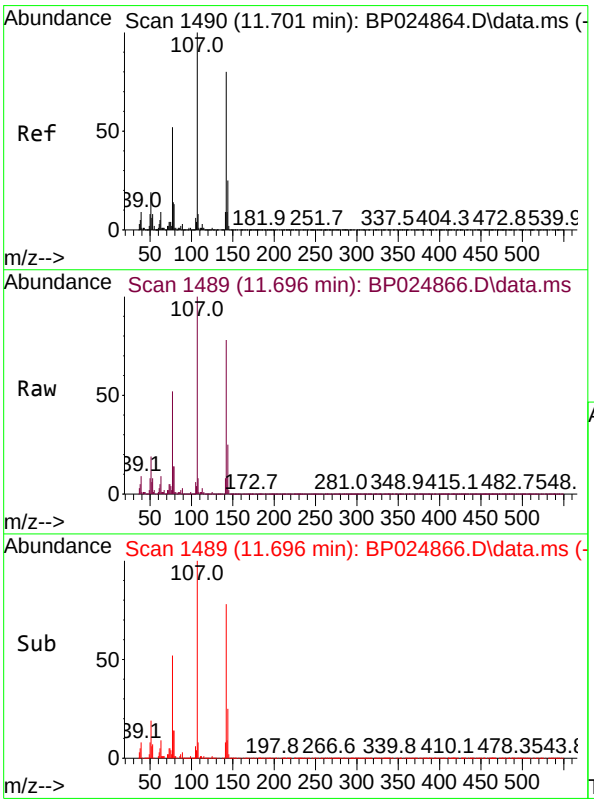
#35
Caprolactam
Concen: 63.654 ng
RT: 11.360 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 349412

Ion	Ratio	Lower	Upper
113	100		
55	141.9	132.5	172.5
56	110.6	96.0	136.0

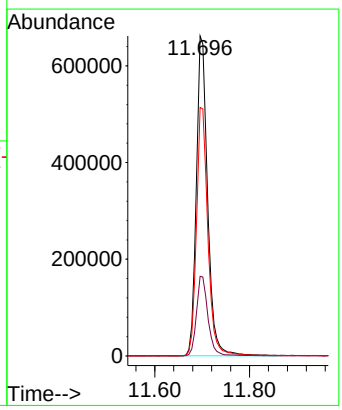


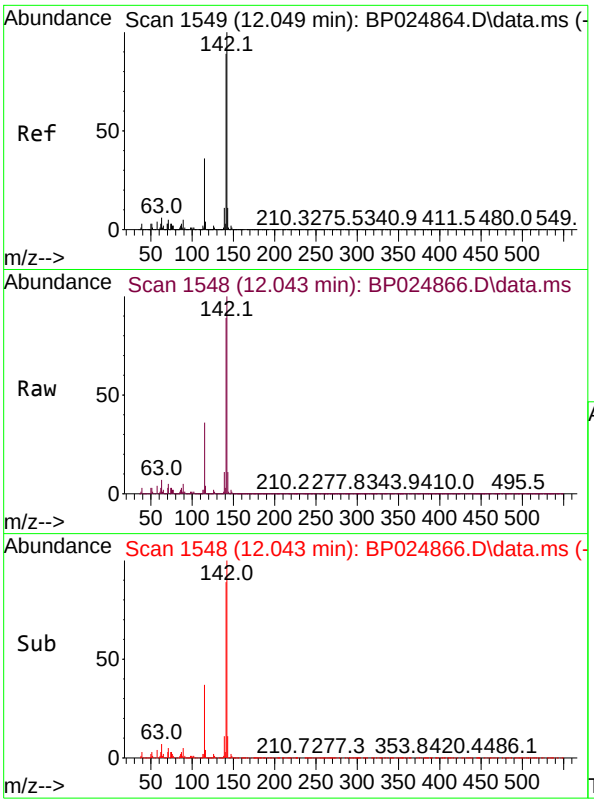


#36
4-Chloro-3-methylphenol
Concen: 63.738 ng
RT: 11.696 min Scan# 1489
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:107 Resp: 1096315

Ion	Ratio	Lower	Upper
107	100		
144	24.9	20.4	30.6
142	77.6	63.8	95.6



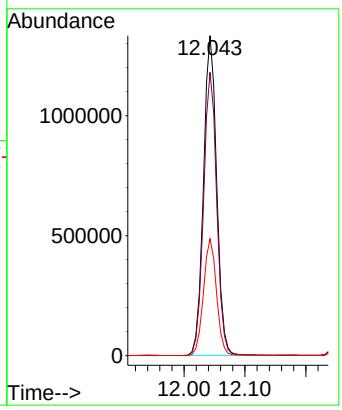


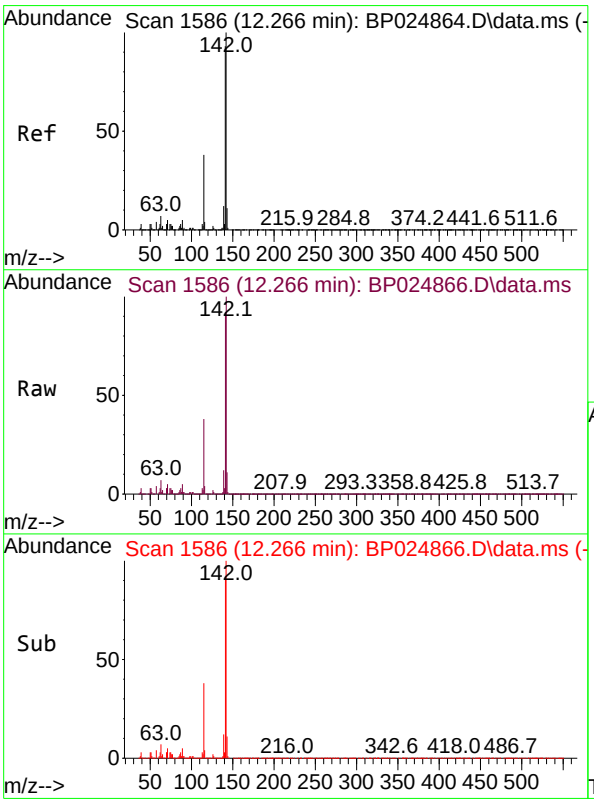
#37
2-Methylnaphthalene
Concen: 61.250 ng
RT: 12.043 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 2004422

Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.2	106.8
115	36.5	28.5	42.7

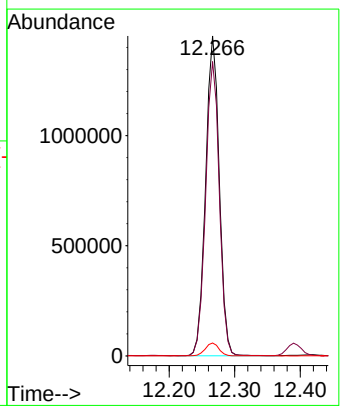


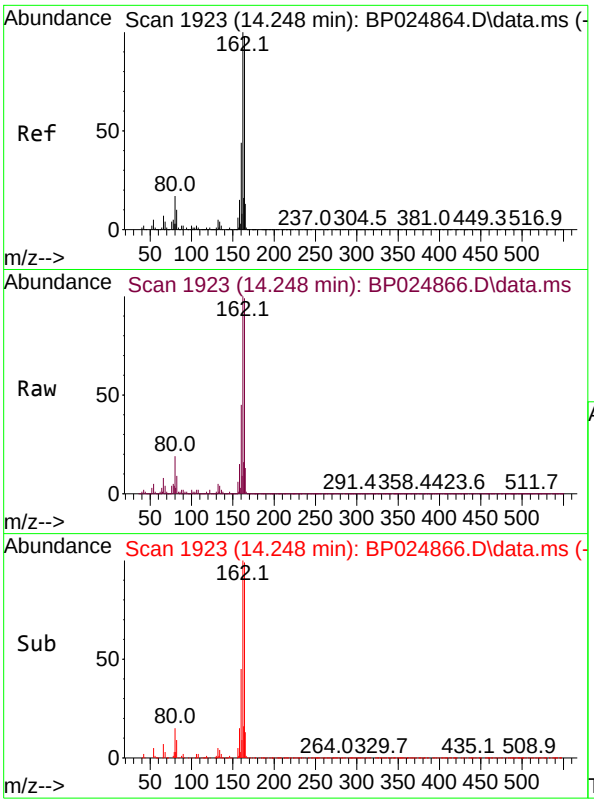


#38
1-Methylnaphthalene
Concen: 59.832 ng
RT: 12.266 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:142 Resp: 2093346

Ion	Ratio	Lower	Upper
142	100		
141	92.0	74.7	112.1
116	4.0	3.4	5.0



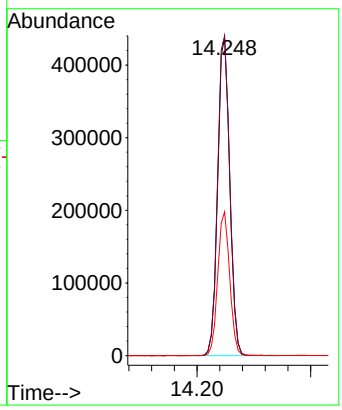


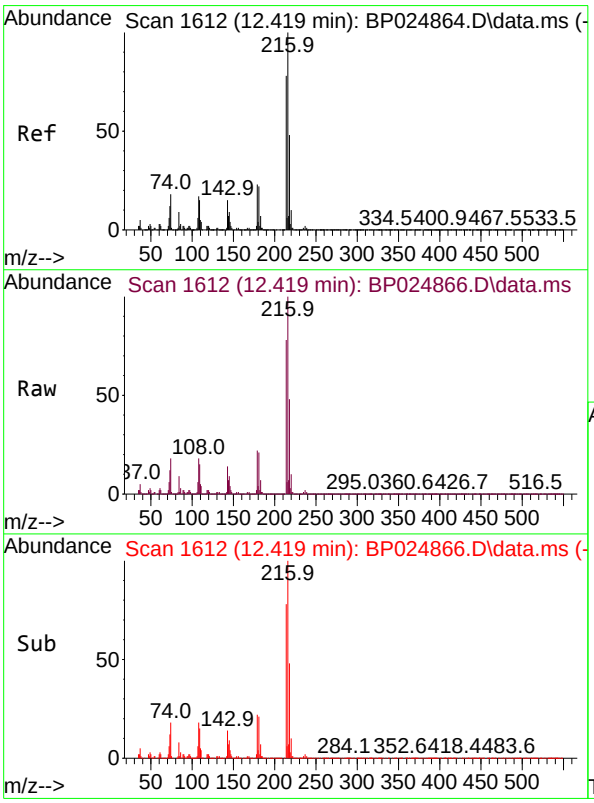
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.248 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 639758

Ion	Ratio	Lower	Upper
164	100		
162	100.6	81.6	122.4
160	45.2	36.2	54.2

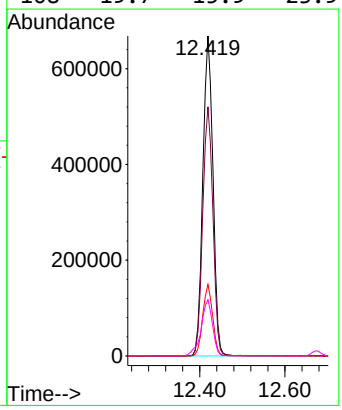


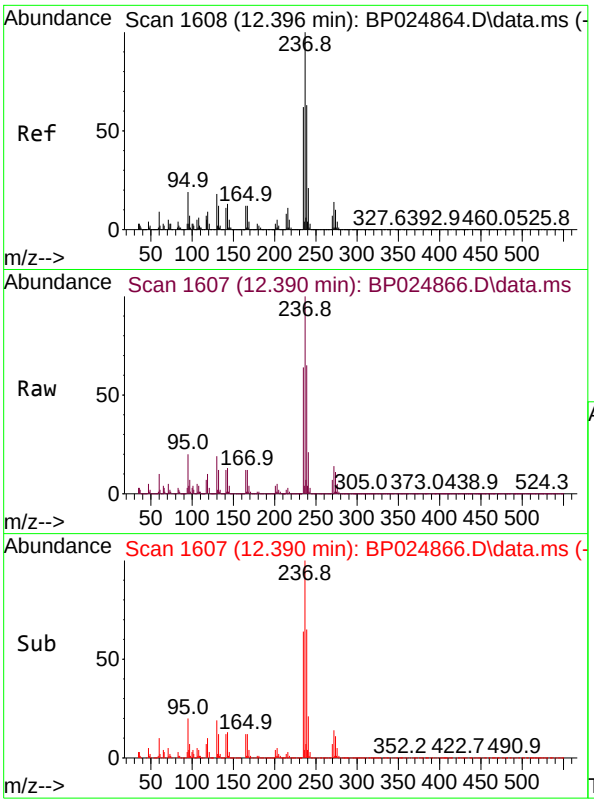


#40
1,2,4,5-Tetrachlorobenzene
Concen: 60.637 ng
RT: 12.419 min Scan# 1612
Delta R.T. 0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:216 Resp: 1100767

Ion	Ratio	Lower	Upper
216	100		
214	78.6	63.0	94.4
179	21.8	17.8	26.6
108	19.7	15.9	23.9



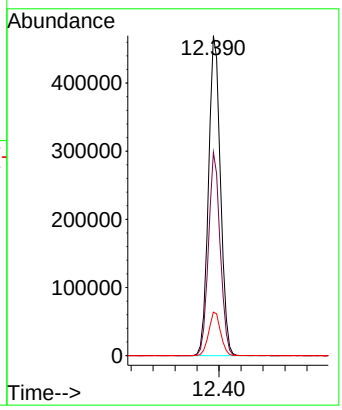


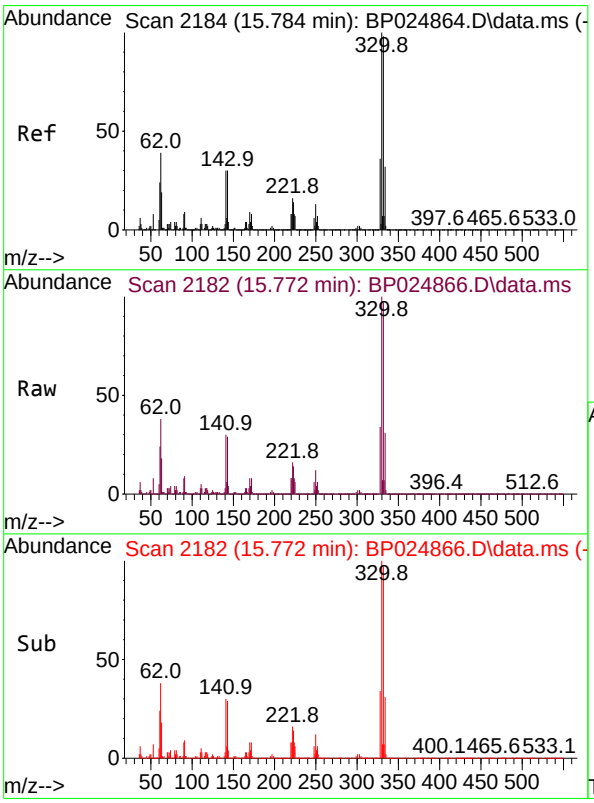
#41
Hexachlorocyclopentadiene
Concen: 63.884 ng
RT: 12.390 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 707348

Ion	Ratio	Lower	Upper
237	100		
235	63.5	41.9	81.9
272	13.6	0.0	33.7

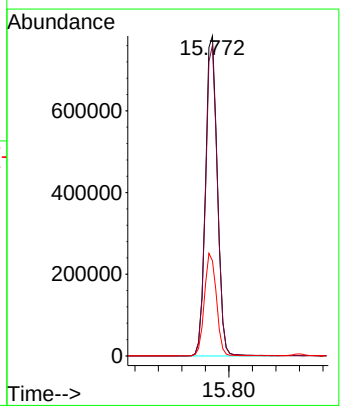


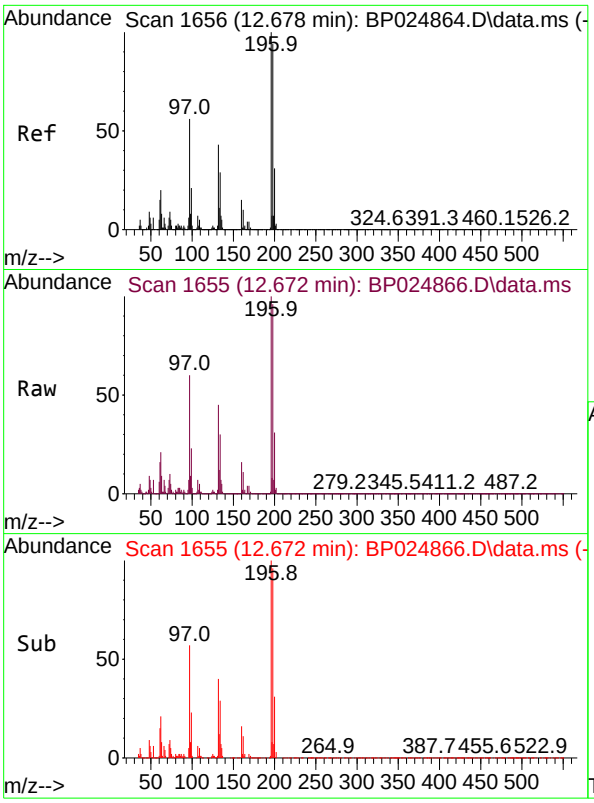


#42
2,4,6-Tribromophenol
Concen: 124.076 ng
RT: 15.772 min Scan# 2182
Delta R.T. -0.012 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:330 Resp: 1097449

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.7	116.5
141	32.4	26.4	39.6



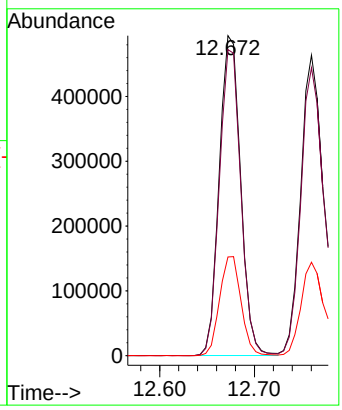


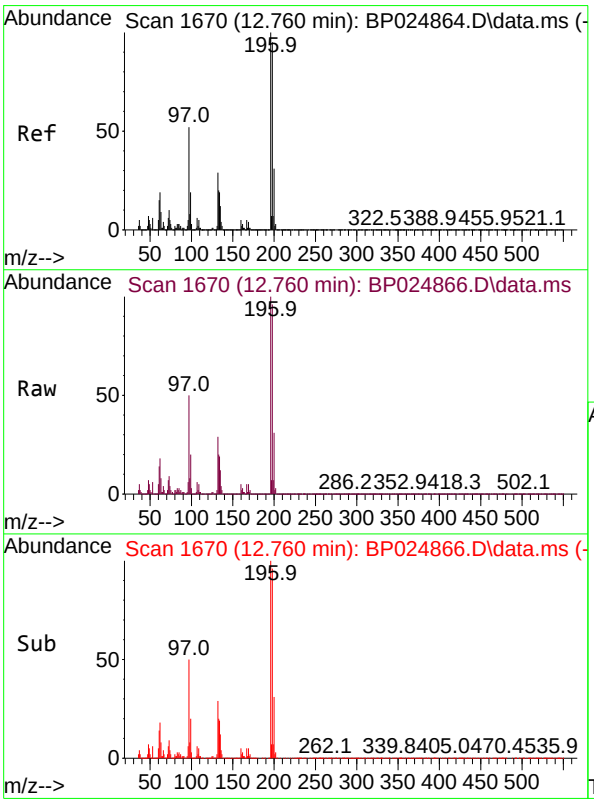
#43
2,4,6-Trichlorophenol
Concen: 63.669 ng
RT: 12.672 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 776210

Ion	Ratio	Lower	Upper
196	100		
198	95.6	75.4	113.0
200	30.8	24.4	36.6

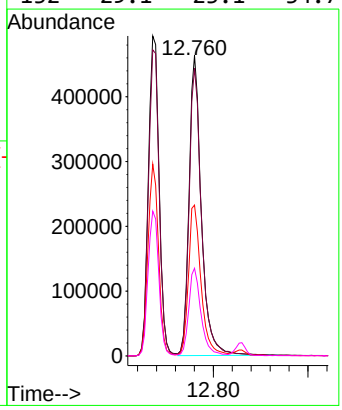


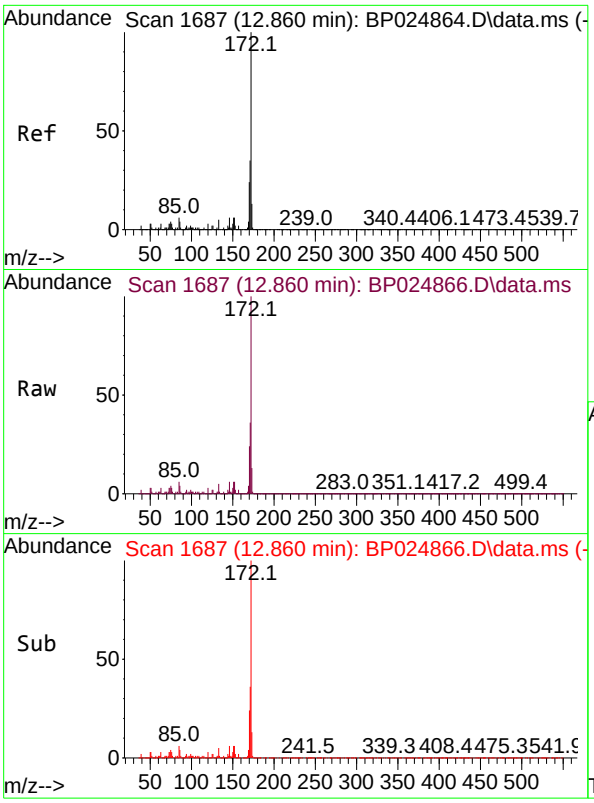


#44
2,4,5-Trichlorophenol
Concen: 64.077 ng
RT: 12.760 min Scan# 1670
Delta R.T. -0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:196 Resp: 836590

Ion	Ratio	Lower	Upper
196	100		
198	95.8	76.0	114.0
97	50.2	41.5	62.3
132	29.1	23.1	34.7



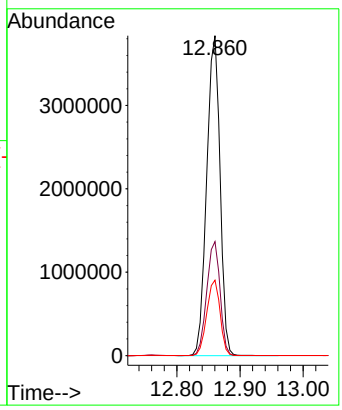


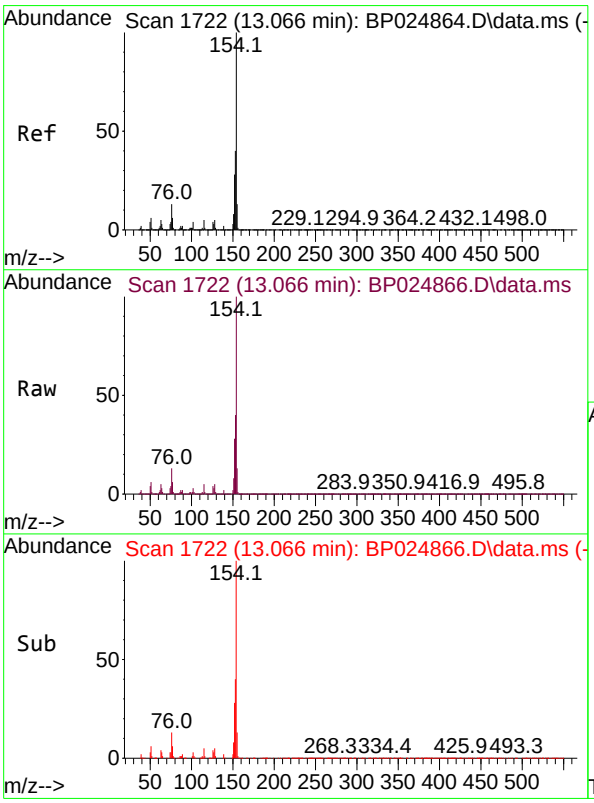
#45
2-Fluorobiphenyl
Concen: 118.347 ng
RT: 12.860 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 5620380

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.3	42.5
170	23.6	19.0	28.4

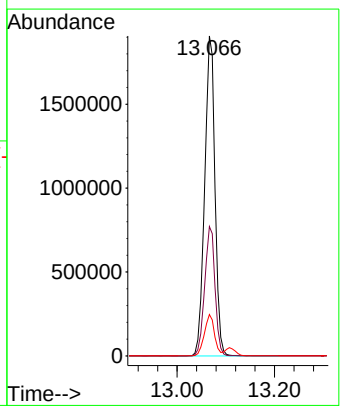


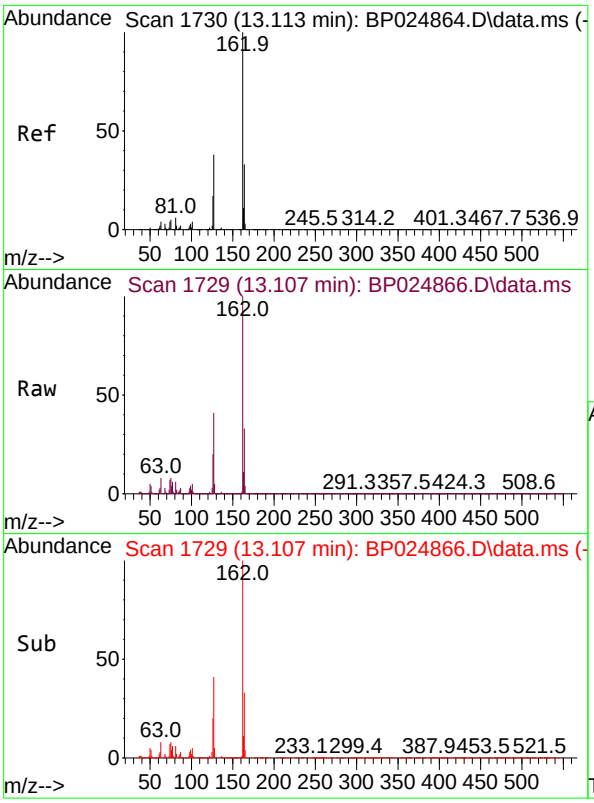


#46
1,1'-Biphenyl
Concen: 60.176 ng
RT: 13.066 min Scan# 1722
Delta R.T. -0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:154 Resp: 2797746

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.3	60.3
76	12.9	0.0	33.0



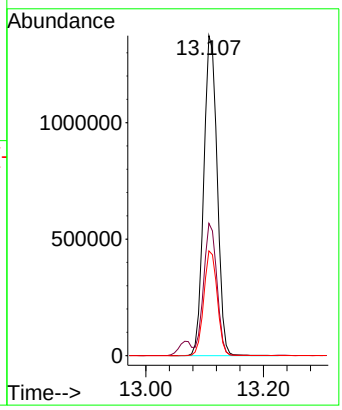


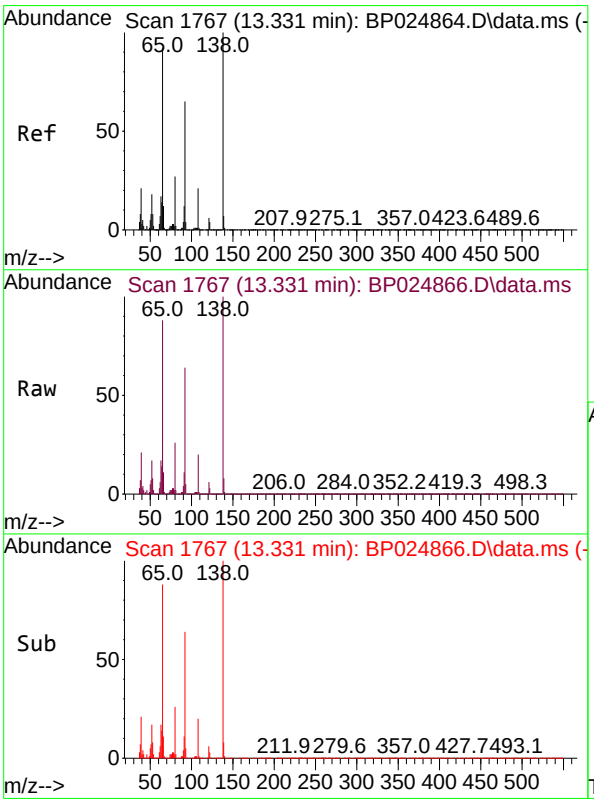
#47
2-Chloronaphthalene
Concen: 61.023 ng
RT: 13.107 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 2180558

Ion	Ratio	Lower	Upper
162	100		
127	41.4	32.5	48.7
164	32.7	26.2	39.2

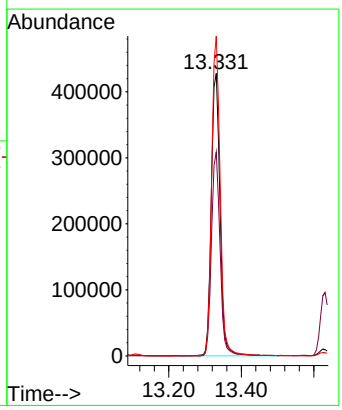


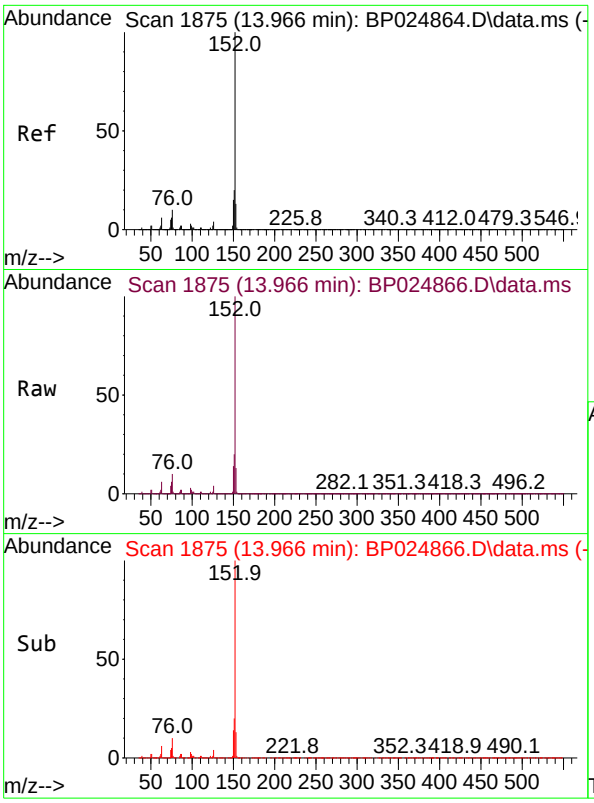


#48
2-Nitroaniline
Concen: 65.376 ng
RT: 13.331 min Scan# 1767
Delta R.T. 0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion: 65 Resp: 718204

Ion	Ratio	Lower	Upper
65	100		
92	72.2	56.8	85.2
138	113.3	86.9	130.3



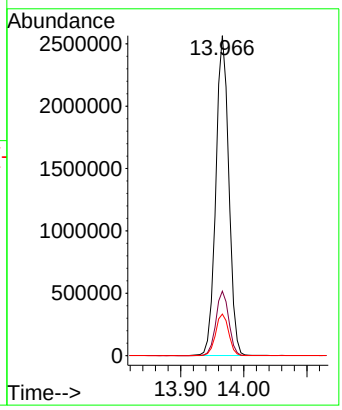


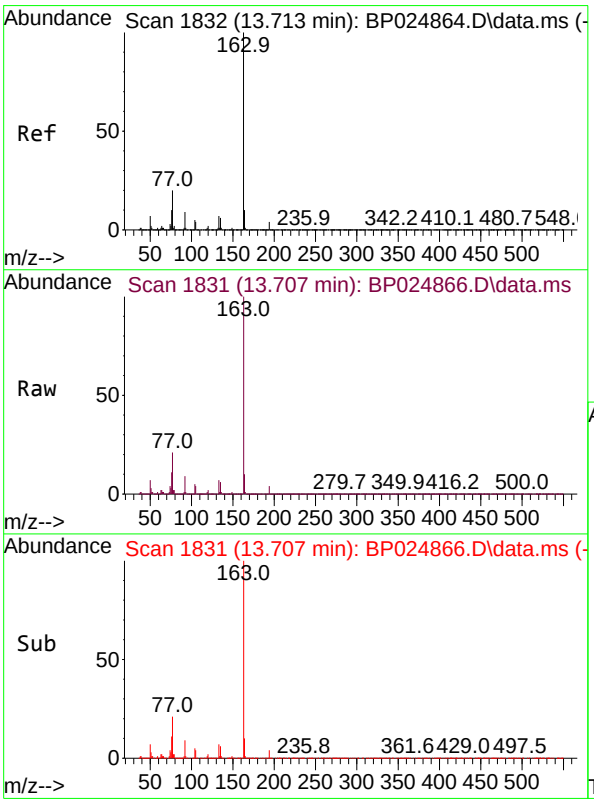
#49
Acenaphthylene
Concen: 61.318 ng
RT: 13.966 min Scan# 18
Delta R.T. -0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 3653383

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2
153	13.0	10.6	15.8

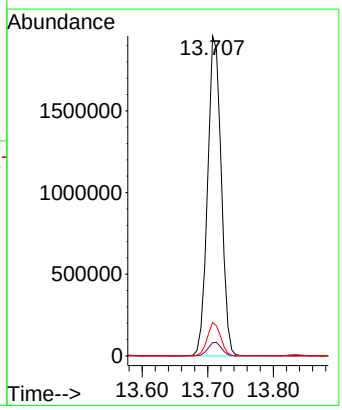


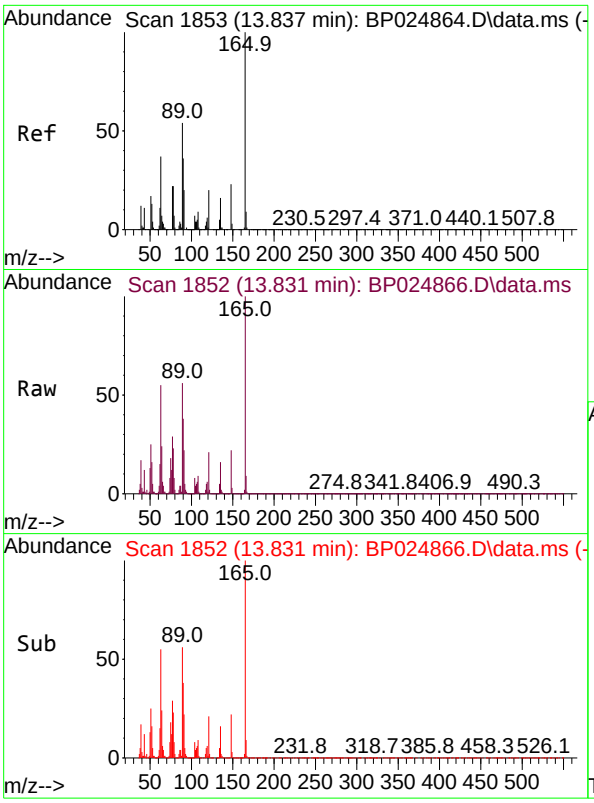


#50
Dimethylphthalate
Concen: 59.902 ng
RT: 13.707 min Scan# 1831
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:163 Resp: 2826983

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.5	8.0	12.0



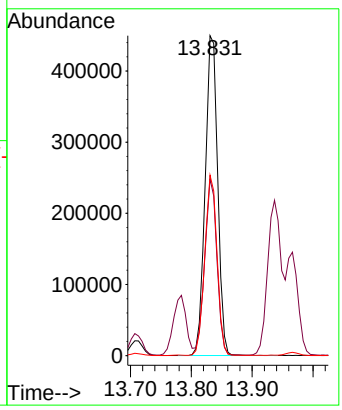


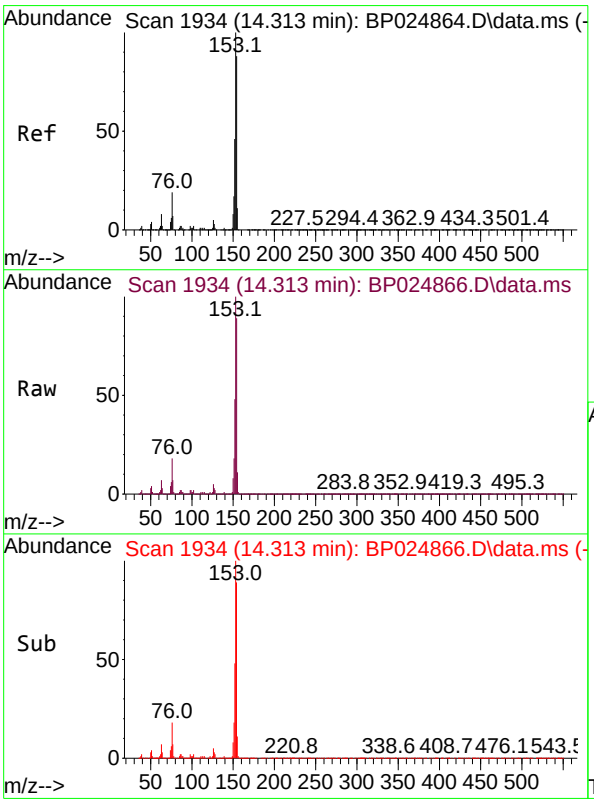
#51
2,6-Dinitrotoluene
Concen: 62.878 ng
RT: 13.831 min Scan# 18
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 639722

Ion	Ratio	Lower	Upper
165	100		
63	55.2	41.8	62.8
89	56.4	43.1	64.7

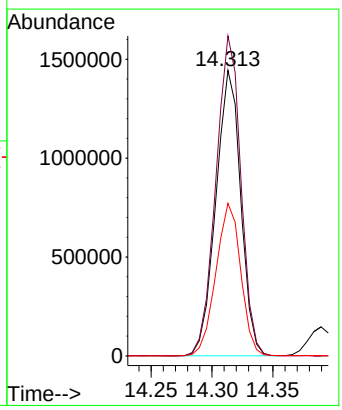


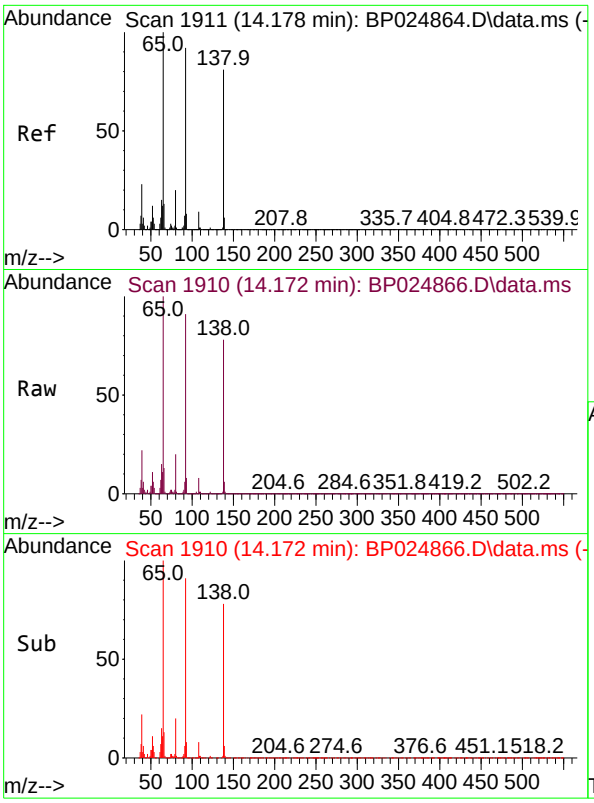


#52
Acenaphthene
Concen: 60.082 ng
RT: 14.313 min Scan# 1934
Delta R.T. 0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:154 Resp: 2051309

Ion	Ratio	Lower	Upper
154	100		
153	112.1	90.5	135.7
152	53.5	42.1	63.1



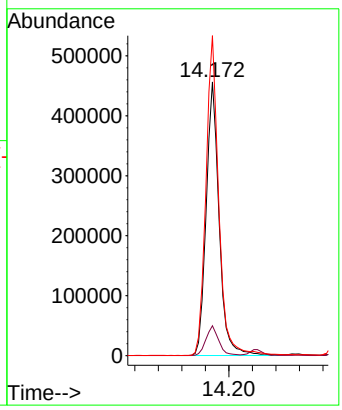


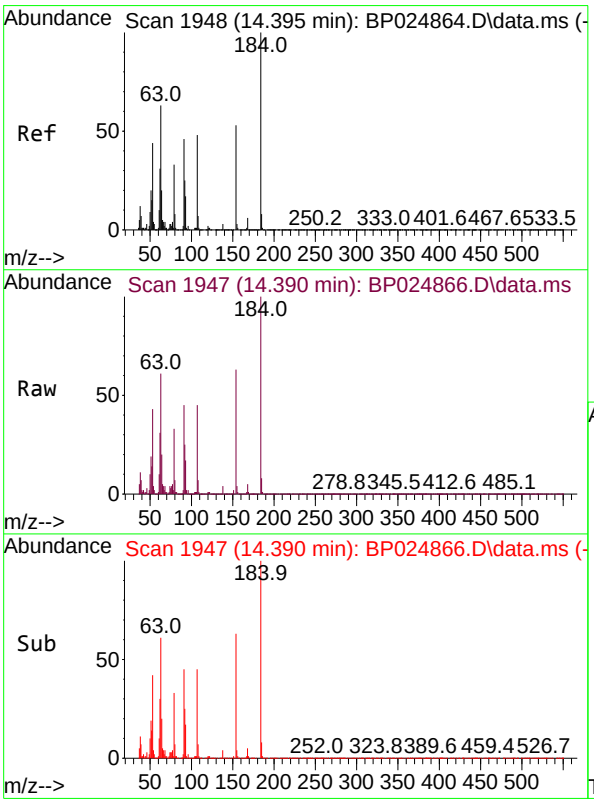
#53
3-Nitroaniline
Concen: 66.199 ng
RT: 14.172 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 698945

Ion	Ratio	Lower	Upper
138	100		
108	10.9	8.6	12.8
92	116.9	91.3	136.9

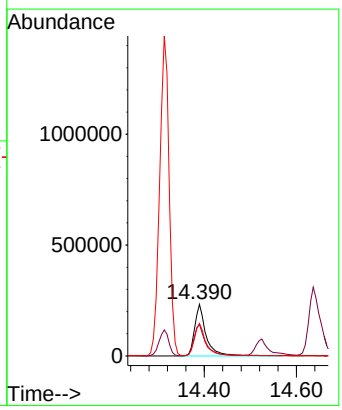


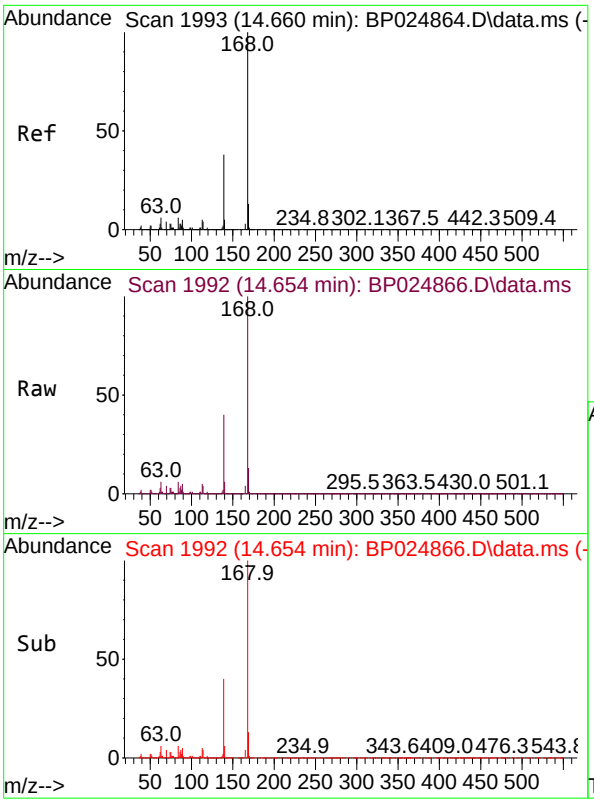


#54
2,4-Dinitrophenol
Concen: 61.497 ng
RT: 14.390 min Scan# 1947
Delta R.T. -0.005 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:184 Resp: 398250

Ion	Ratio	Lower	Upper
184	100		
63	61.2	51.0	76.4
154	63.0	51.7	77.5



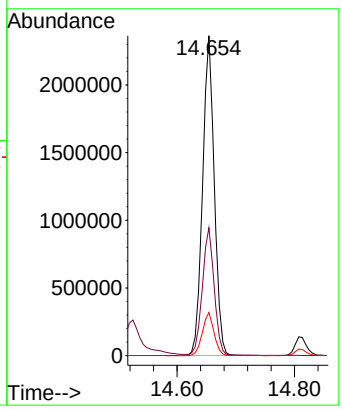


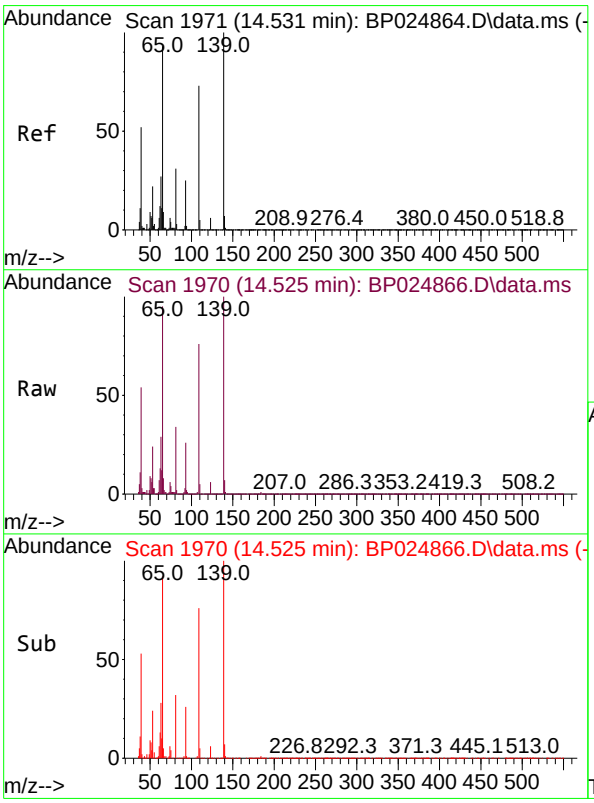
#55
Dibenzofuran
Concen: 59.618 ng
RT: 14.654 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 3267254

Ion	Ratio	Lower	Upper
168	100		
139	40.0	31.6	47.4
169	13.5	10.6	15.8

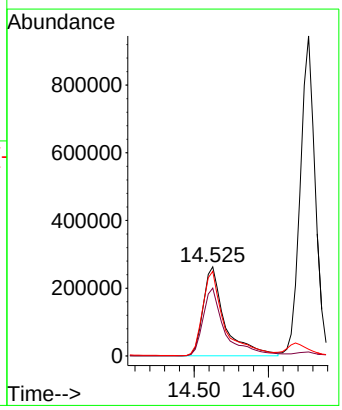


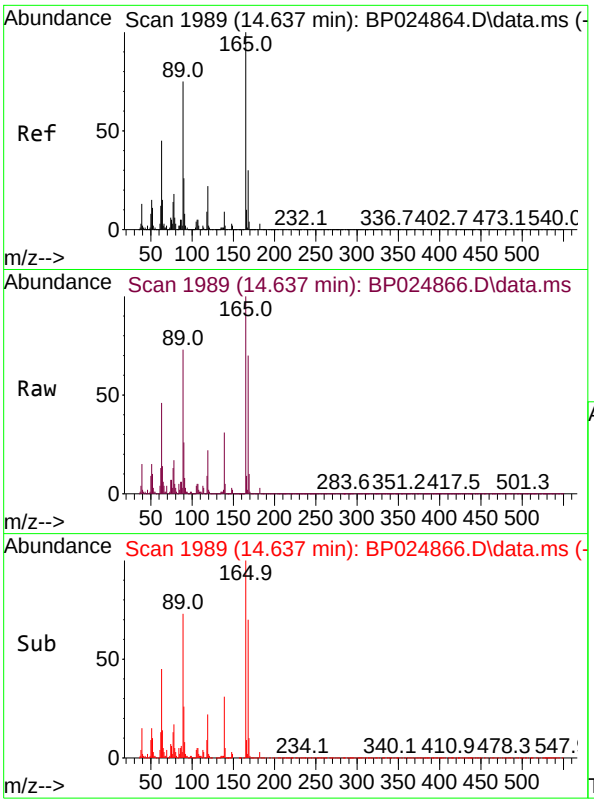


#56
4-Nitrophenol
Concen: 61.650 ng
RT: 14.525 min Scan# 1970
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:139 Resp: 539162

Ion	Ratio	Lower	Upper
139	100		
109	76.2	53.1	93.1
65	95.0	73.0	113.0



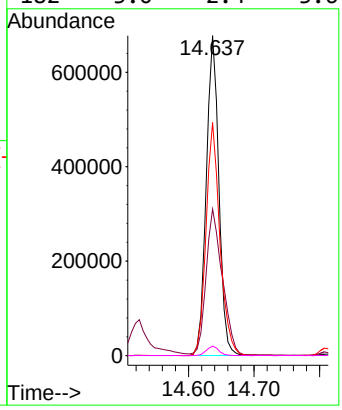


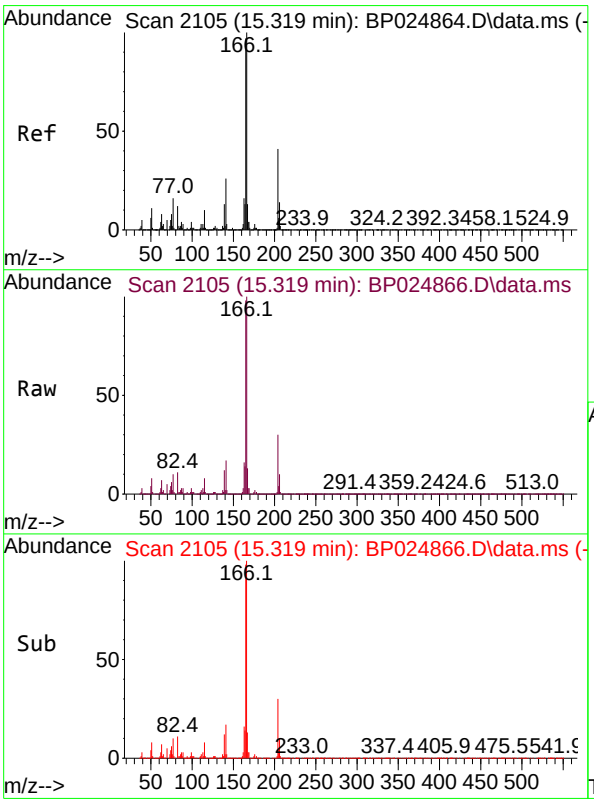
#57
2,4-Dinitrotoluene
Concen: 63.345 ng
RT: 14.637 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 901515

Ion	Ratio	Lower	Upper
165	100		
63	45.8	37.0	55.6
89	72.8	60.1	90.1
182	3.0	2.4	3.6

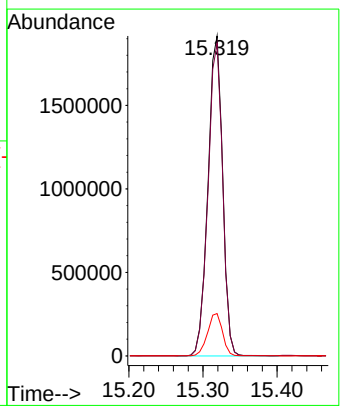


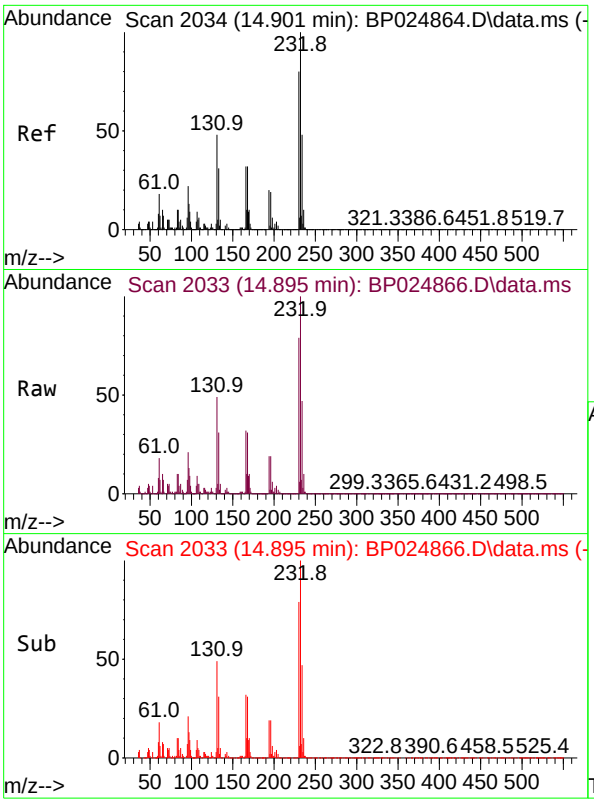


#58
Fluorene
Concen: 59.381 ng
RT: 15.319 min Scan# 2105
Delta R.T. 0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:166 Resp: 2628887

Ion	Ratio	Lower	Upper
166	100		
165	97.6	77.7	116.5
167	13.2	10.6	16.0



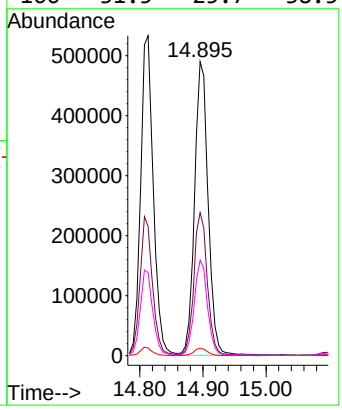


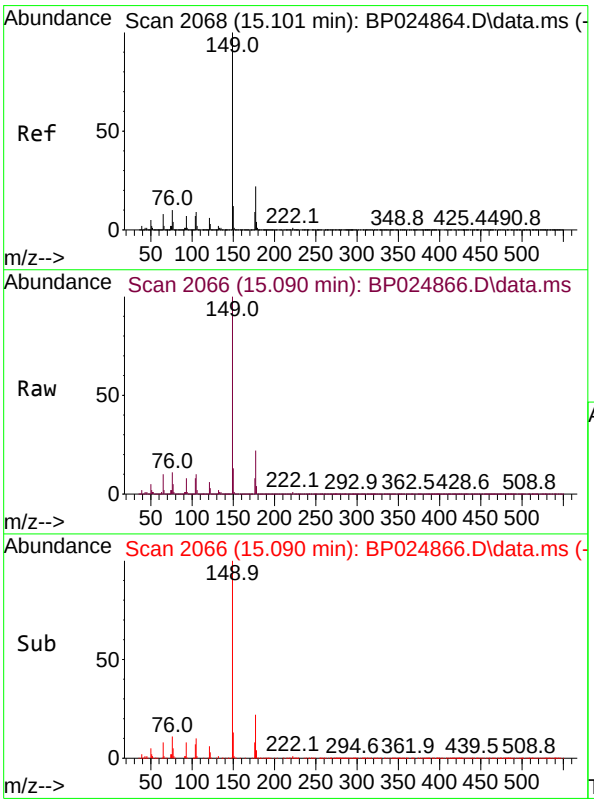
#59
2,3,4,6-Tetrachlorophenol
Concen: 62.524 ng
RT: 14.895 min Scan# 20
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 730647

Ion	Ratio	Lower	Upper
232	100		
131	48.2	38.2	57.2
130	2.5	2.1	3.1
166	31.5	25.7	38.5

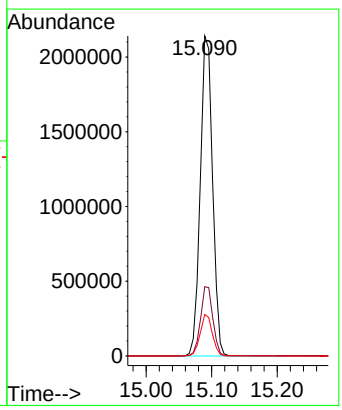


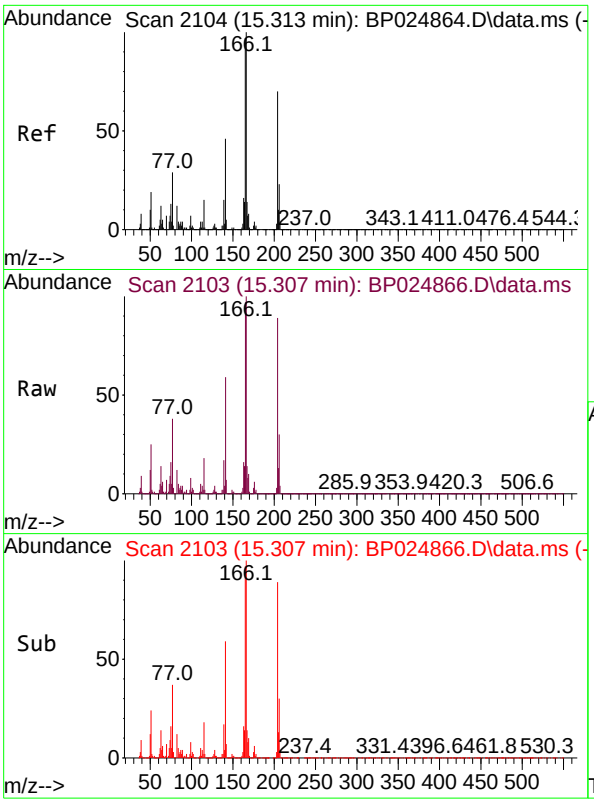


#60
Diethylphthalate
Concen: 58.943 ng
RT: 15.090 min Scan# 2066
Delta R.T. -0.012 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:149 Resp: 2772340

Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.9	26.9
150	12.9	9.8	14.6



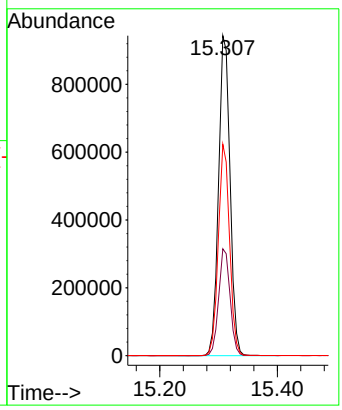


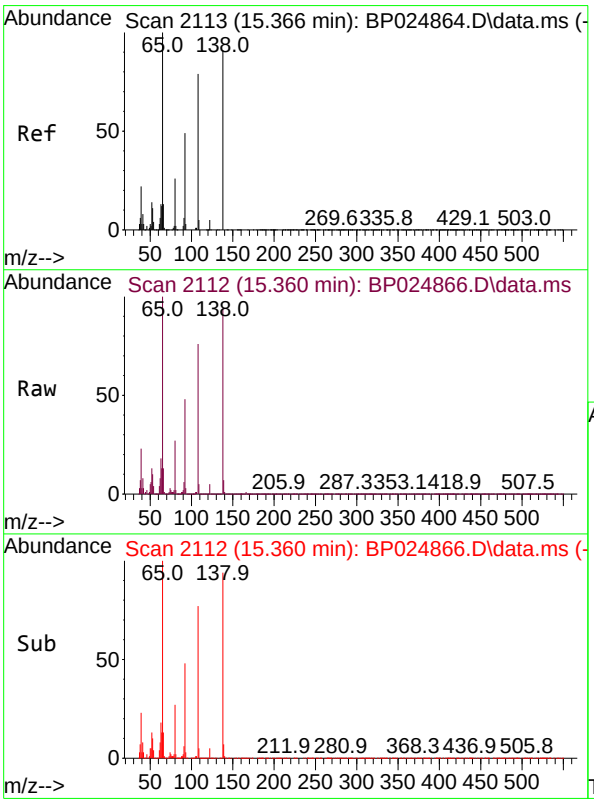
#61
4-Chlorophenyl-phenylether
Concen: 58.980 ng
RT: 15.307 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 1276716

Ion	Ratio	Lower	Upper
204	100		
206	33.4	26.6	40.0
141	66.0	52.4	78.6

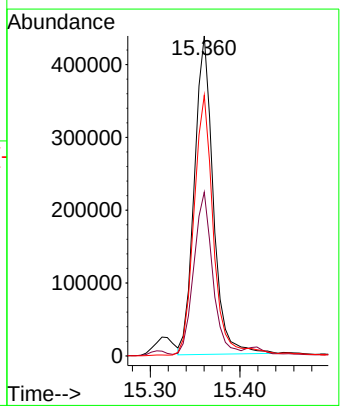


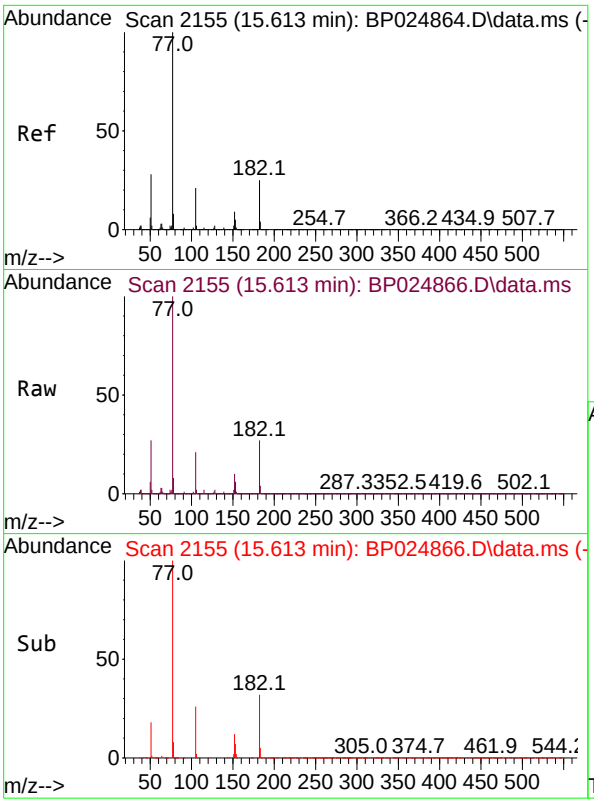


#62
4-Nitroaniline
Concen: 66.714 ng
RT: 15.360 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:138 Resp: 639038

Ion	Ratio	Lower	Upper
138	100		
92	51.2	33.5	73.5
108	81.4	65.1	105.1



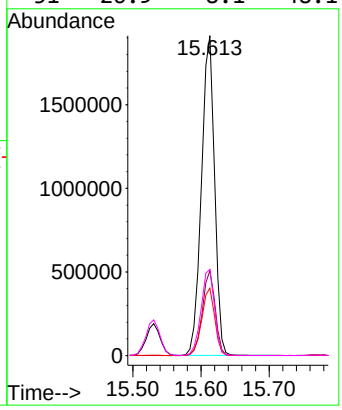


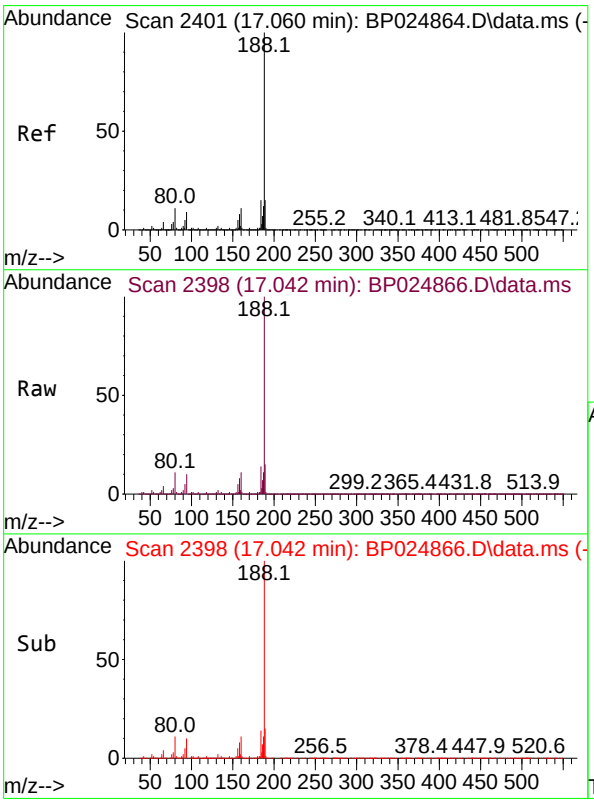
#63
Azobenzene
Concen: 59.380 ng
RT: 15.613 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 2561443

Ion	Ratio	Lower	Upper
77	100		
182	26.6	5.4	45.4
105	21.1	0.8	40.8
51	26.9	8.1	48.1

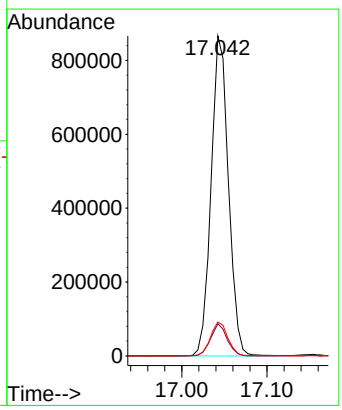


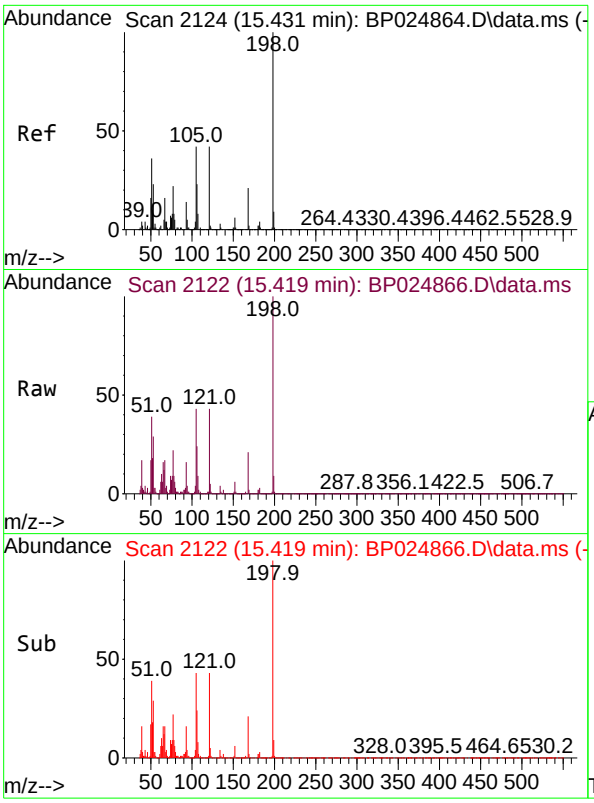


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.042 min Scan# 2398
Delta R.T. -0.018 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:188 Resp: 1223735

Ion	Ratio	Lower	Upper
188	100		
94	10.1	7.3	10.9
80	10.6	8.5	12.7



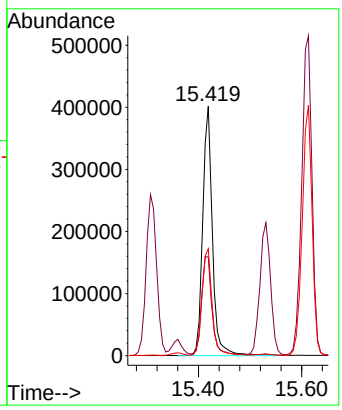


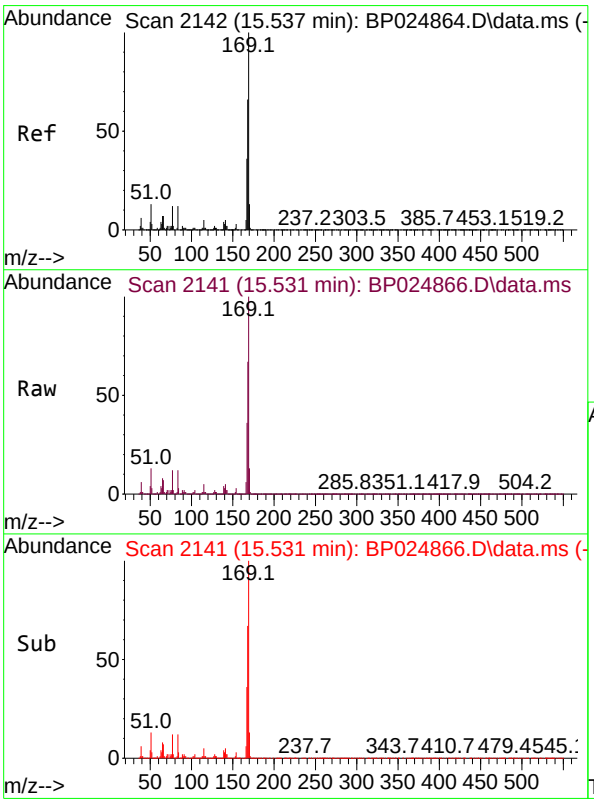
#65
4,6-Dinitro-2-methylphenol
Concen: 65.178 ng
RT: 15.419 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 524098

Ion	Ratio	Lower	Upper
198	100		
51	39.5	19.2	59.2
105	42.8	22.6	62.6

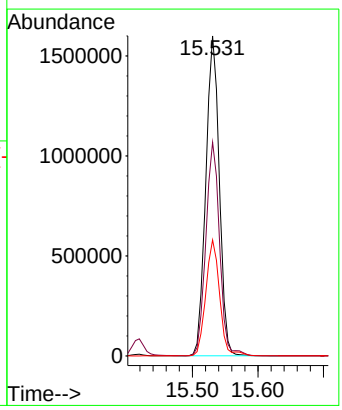


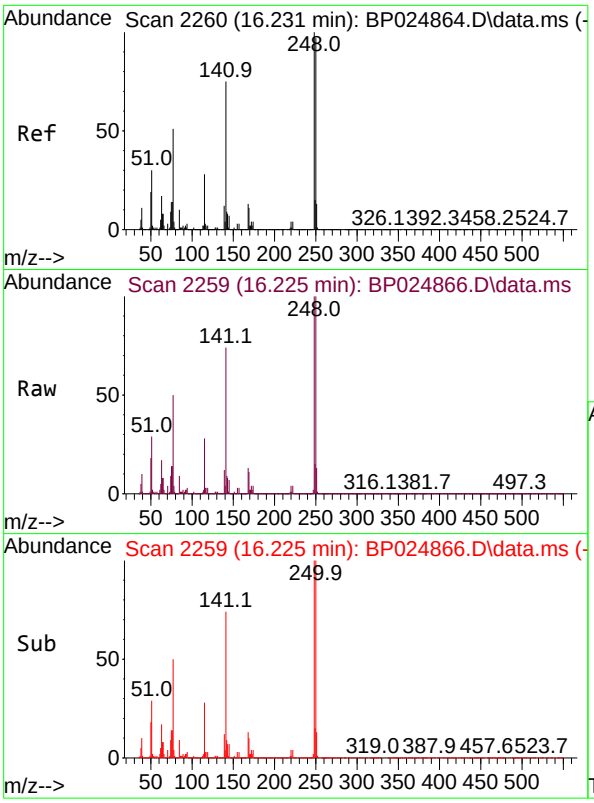


#66
n-Nitrosodiphenylamine
Concen: 60.188 ng
RT: 15.531 min Scan# 2141
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:169 Resp: 2282932

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.0	79.6
167	36.2	28.6	43.0



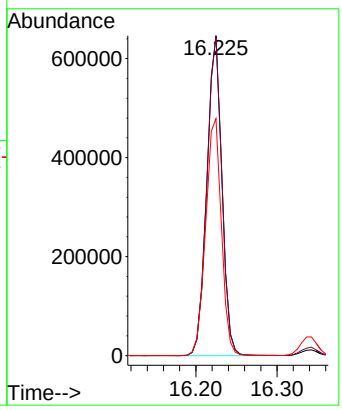


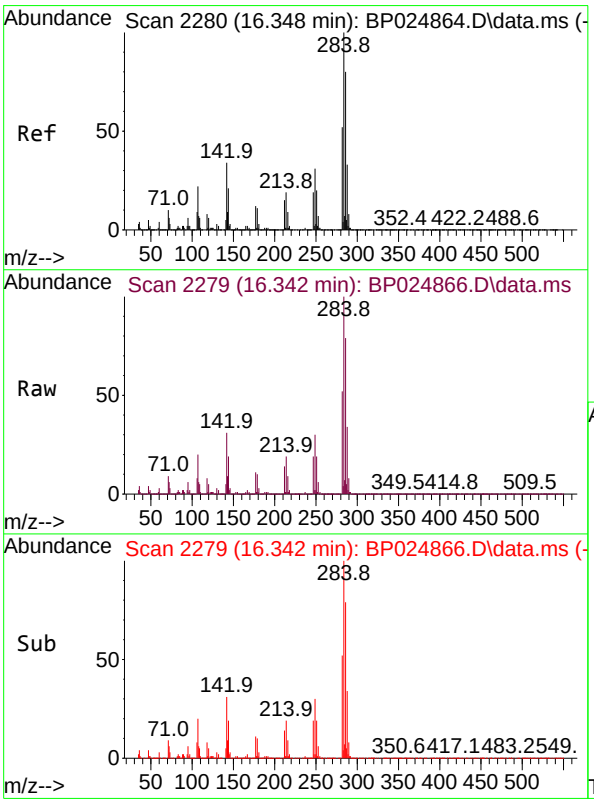
#67
4-Bromophenyl-phenylether
Concen: 60.812 ng
RT: 16.225 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 839674

Ion	Ratio	Lower	Upper
248	100		
250	100.1	77.4	116.2
141	74.1	59.9	89.9

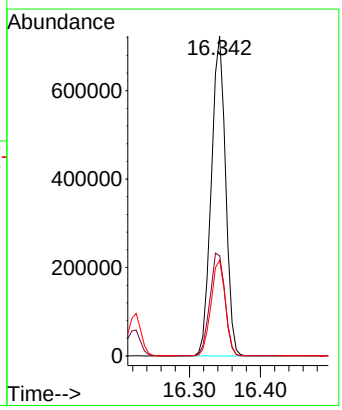


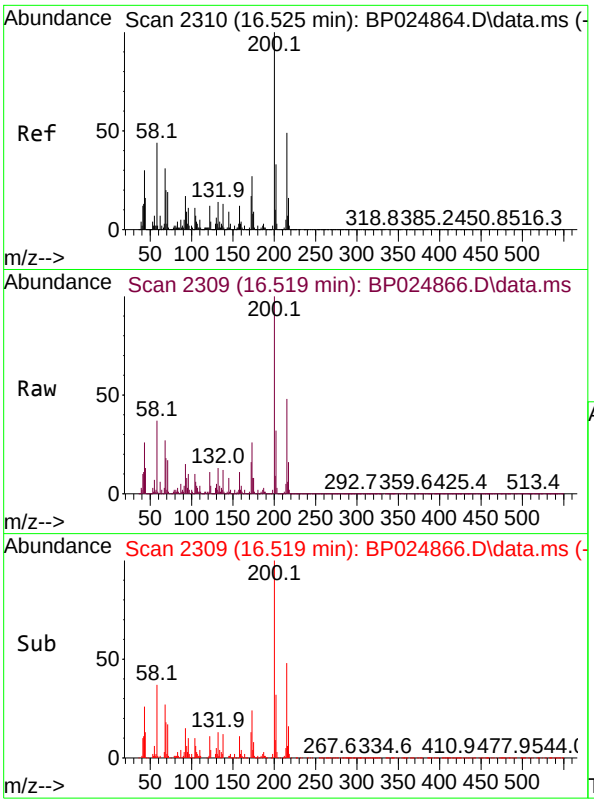


#68
Hexachlorobenzene
Concen: 60.238 ng
RT: 16.342 min Scan# 2279
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:284 Resp: 1008320

Ion	Ratio	Lower	Upper
284	100		
142	31.3	27.0	40.6
249	29.9	25.0	37.6



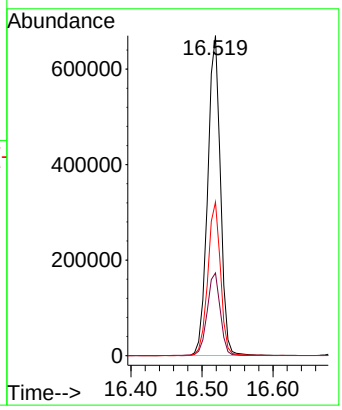


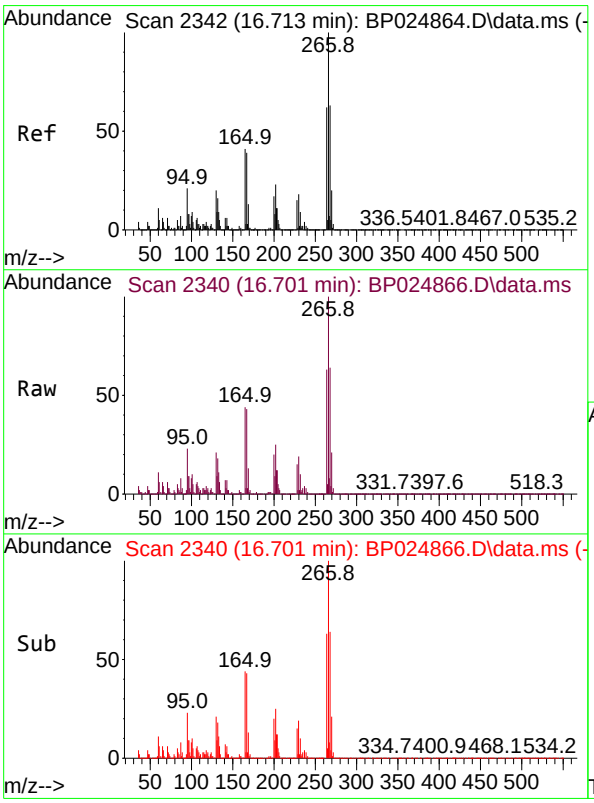
#69
Atrazine
Concen: 60.814 ng
RT: 16.519 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:200 Resp: 836217

Ion	Ratio	Lower	Upper
200	100		
173	25.8	6.9	46.9
215	48.0	28.7	68.7

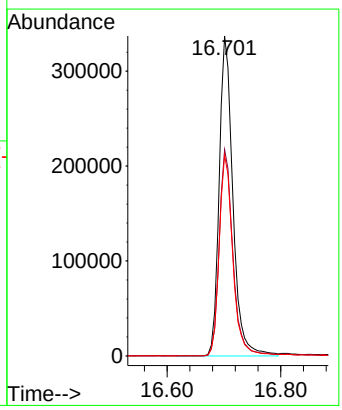


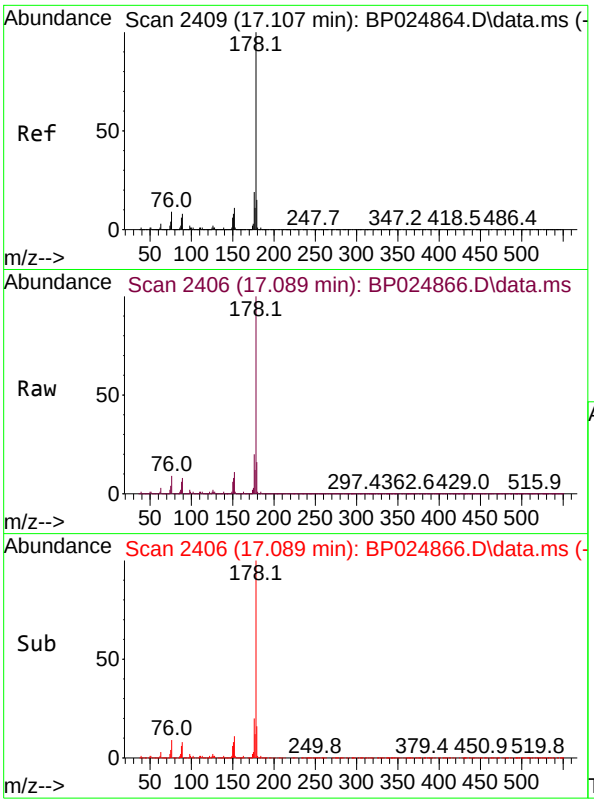


#70
Pentachlorophenol
Concen: 64.826 ng
RT: 16.701 min Scan# 2340
Delta R.T. -0.012 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:266 Resp: 561603

Ion	Ratio	Lower	Upper
266	100		
268	64.5	50.6	76.0
264	62.7	49.7	74.5



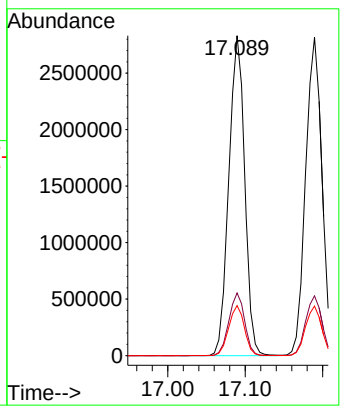


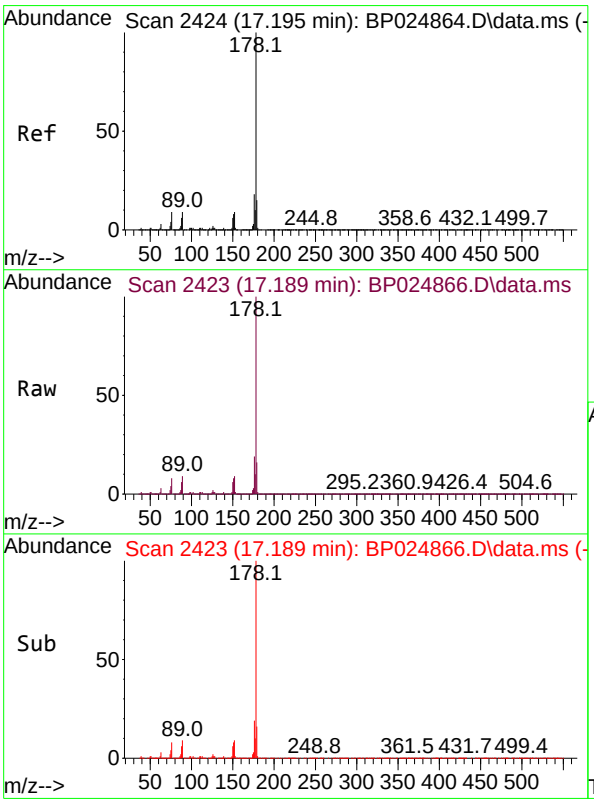
#71
Phenanthrene
Concen: 59.844 ng
RT: 17.089 min Scan# 24
Delta R.T. -0.018 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 4046968

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.3	22.9
179	15.6	12.1	18.1

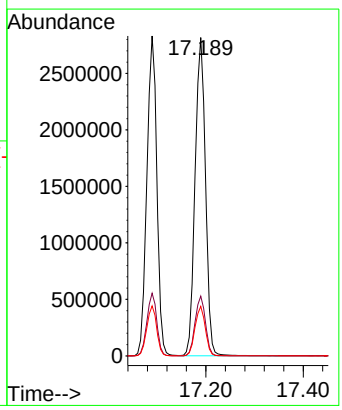


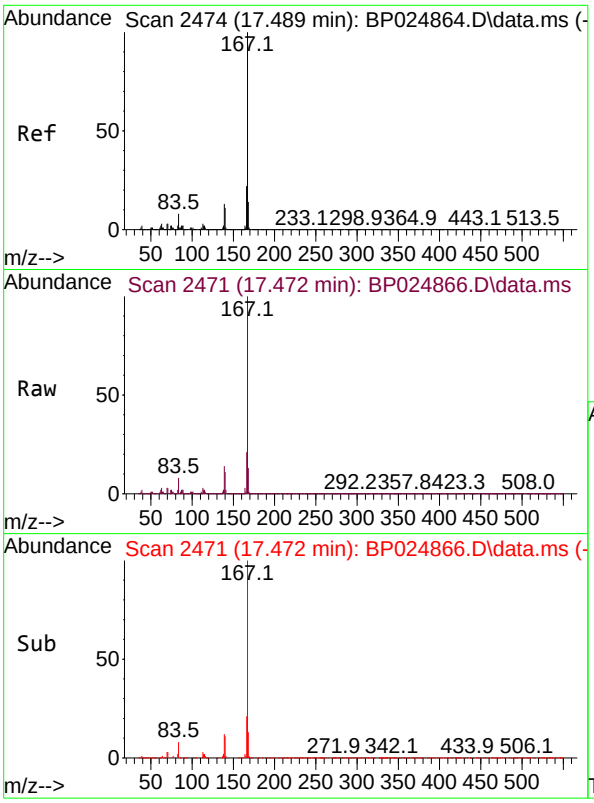


#72
Anthracene
Concen: 60.751 ng
RT: 17.189 min Scan# 2423
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:178 Resp: 4160775

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.7	22.1
179	15.6	12.3	18.5



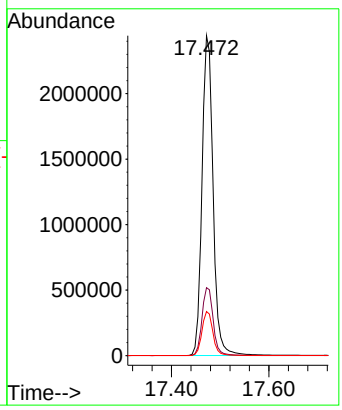


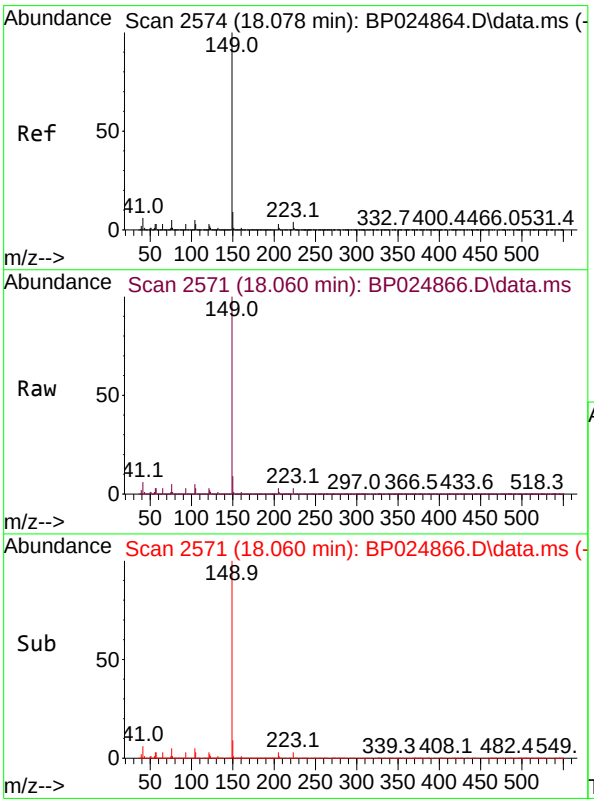
#73
Carbazole
Concen: 60.827 ng
RT: 17.472 min Scan# 24
Delta R.T. -0.018 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:167 Resp: 3861413

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.3	25.9
139	13.8	10.8	16.2

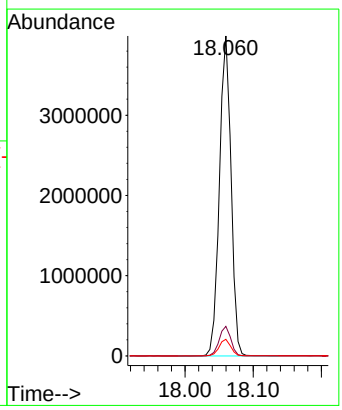


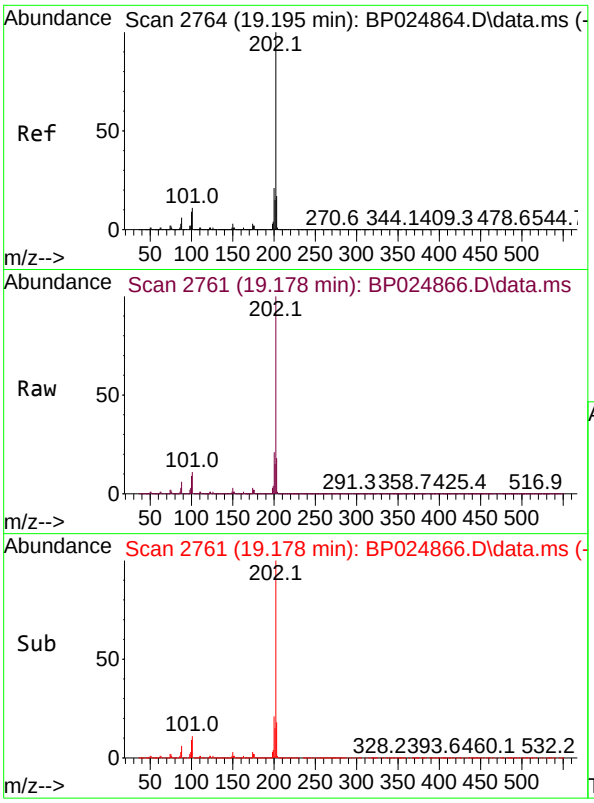


#74
Di-n-butylphthalate
Concen: 59.401 ng
RT: 18.060 min Scan# 2571
Delta R.T. -0.018 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:149 Resp: 4672145

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	5.2	4.2	6.2



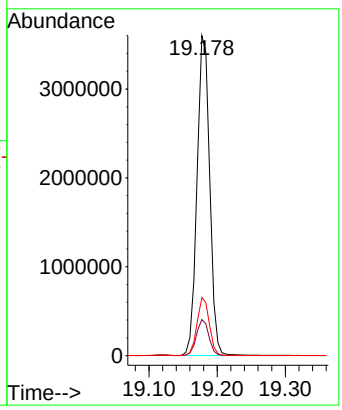


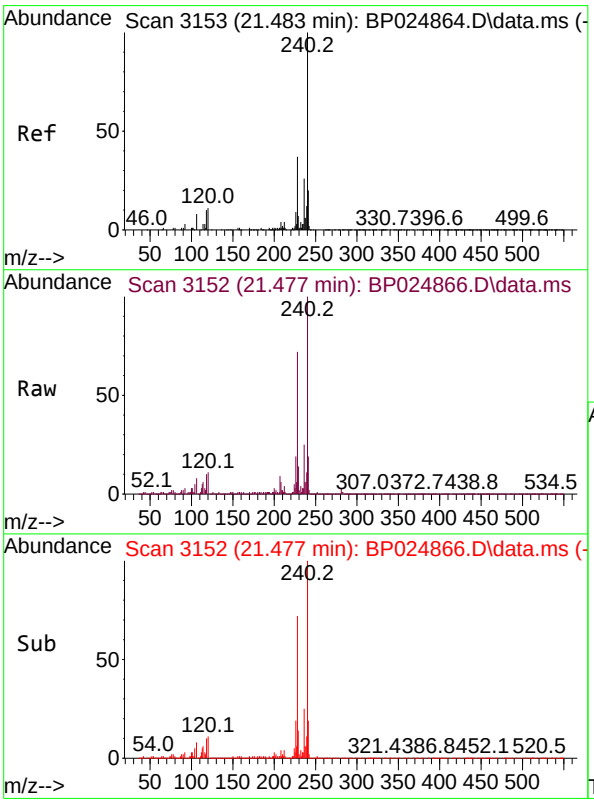
#75
Fluoranthene
Concen: 59.407 ng
RT: 19.178 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 4656349

Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	31.4
203	18.1	0.0	37.5

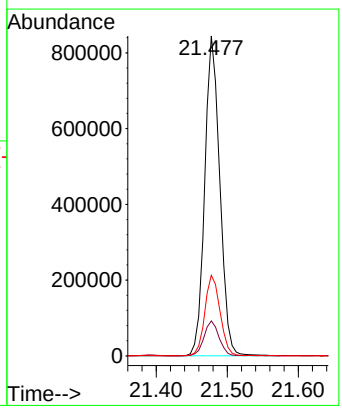


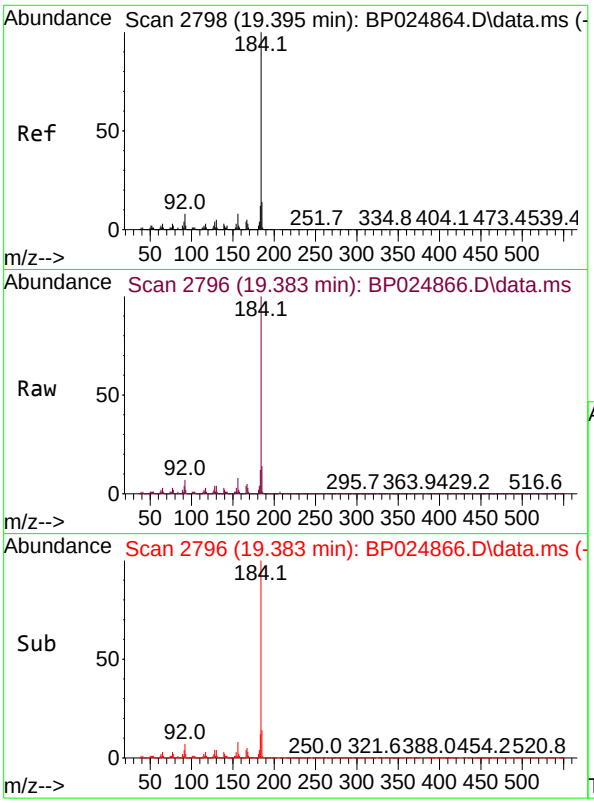


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.477 min Scan# 3152
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:240 Resp: 1245531

Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.9	13.3
236	25.2	20.9	31.3



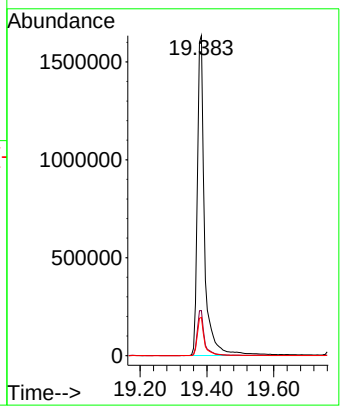


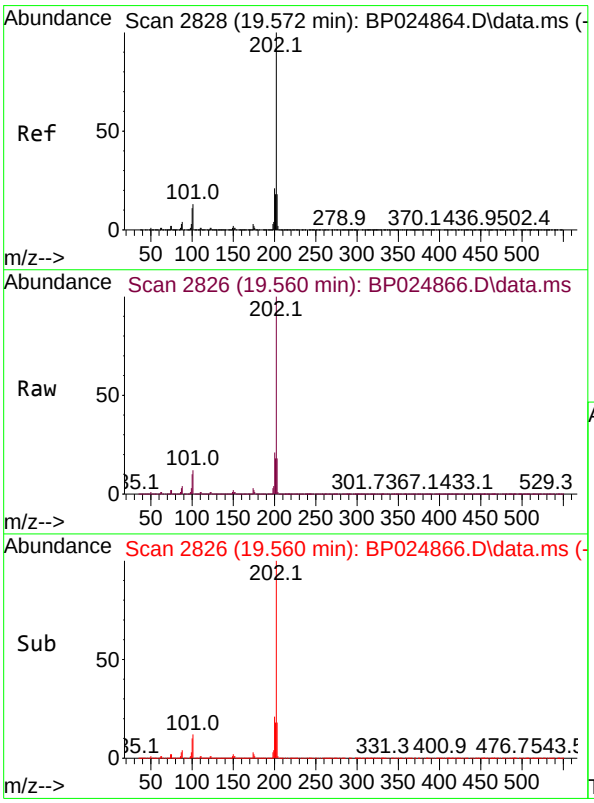
#77
Benzidine
Concen: 64.227 ng
RT: 19.383 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:184 Resp: 2477600

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.4	17.0
183	11.9	9.5	14.3

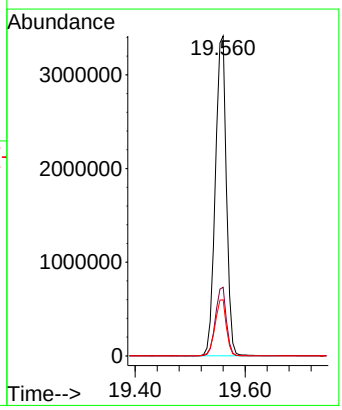


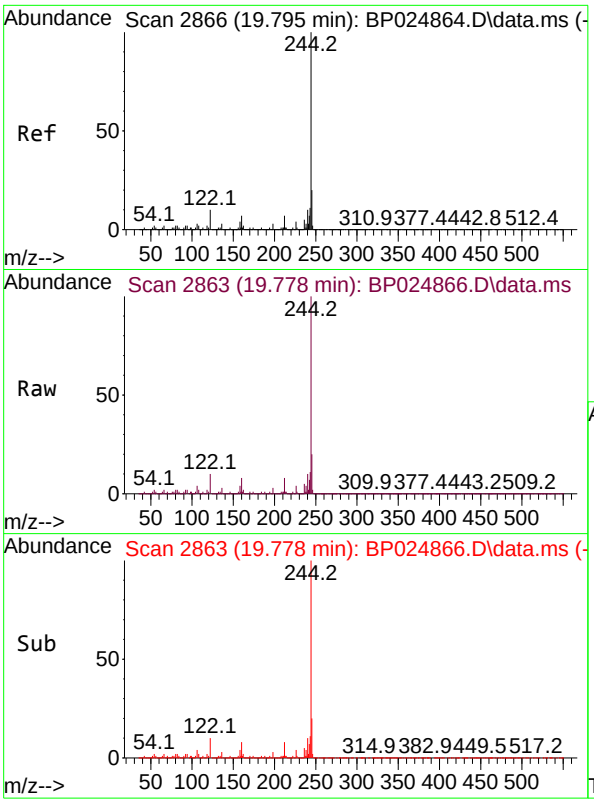


#78
Pyrene
Concen: 61.064 ng
RT: 19.560 min Scan# 2826
Delta R.T. -0.012 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:202 Resp: 4751590

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.1	25.7
203	17.5	14.0	21.0



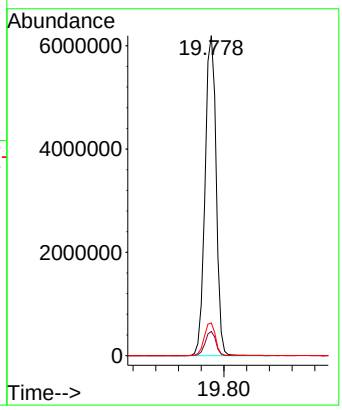


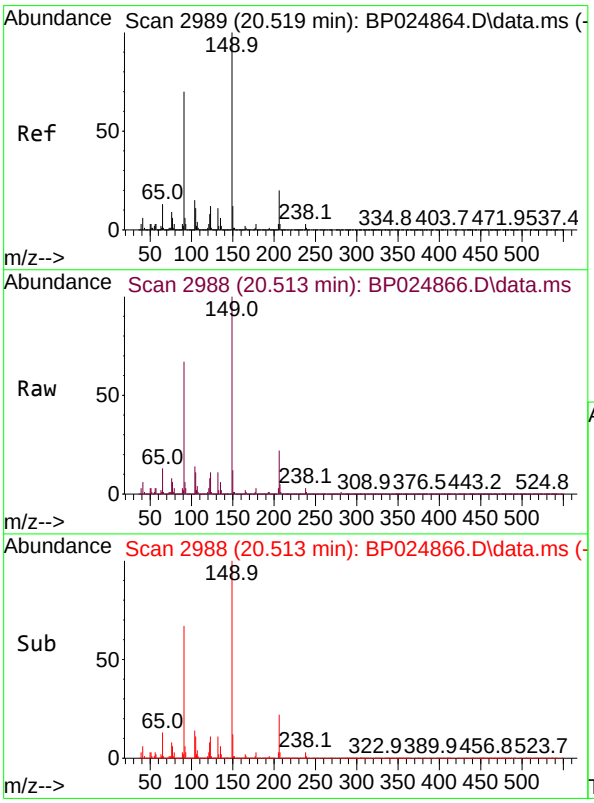
#79
Terphenyl-d14
Concen: 120.485 ng
RT: 19.778 min Scan# 28
Delta R.T. -0.018 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:244 Resp: 8373144

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.6	8.4
122	10.2	7.7	11.5

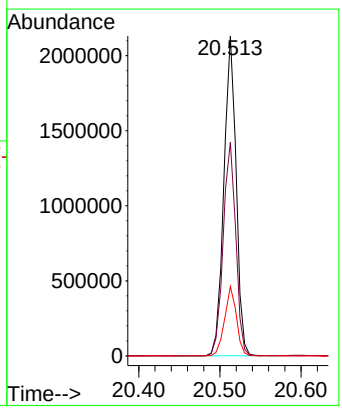


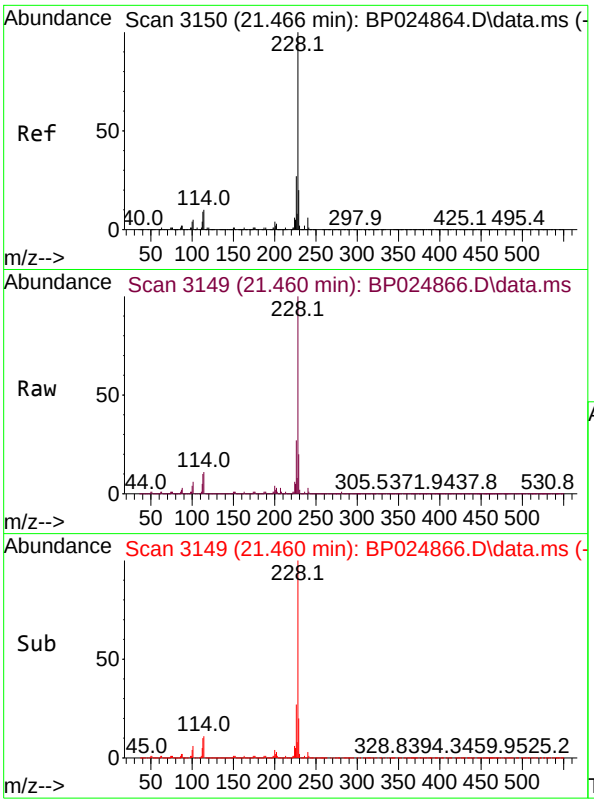


#80
Butylbenzylphthalate
Concen: 62.449 ng
RT: 20.513 min Scan# 2988
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:149 Resp: 2225855

Ion	Ratio	Lower	Upper
149	100		
91	66.7	55.8	83.8
206	21.7	16.2	24.2



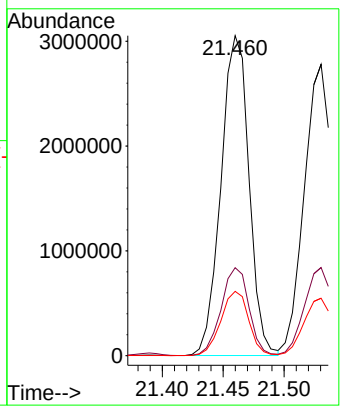


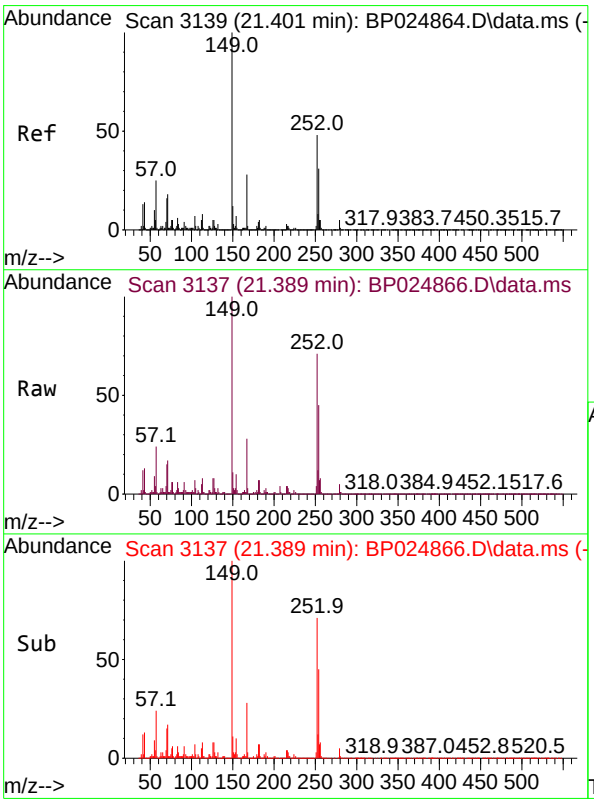
#81
Benzo(a)anthracene
Concen: 61.469 ng
RT: 21.460 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 4896757

Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.1	33.1
229	20.1	15.9	23.9

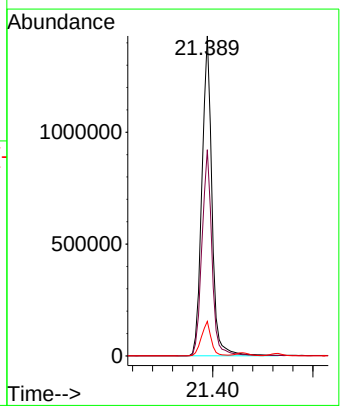


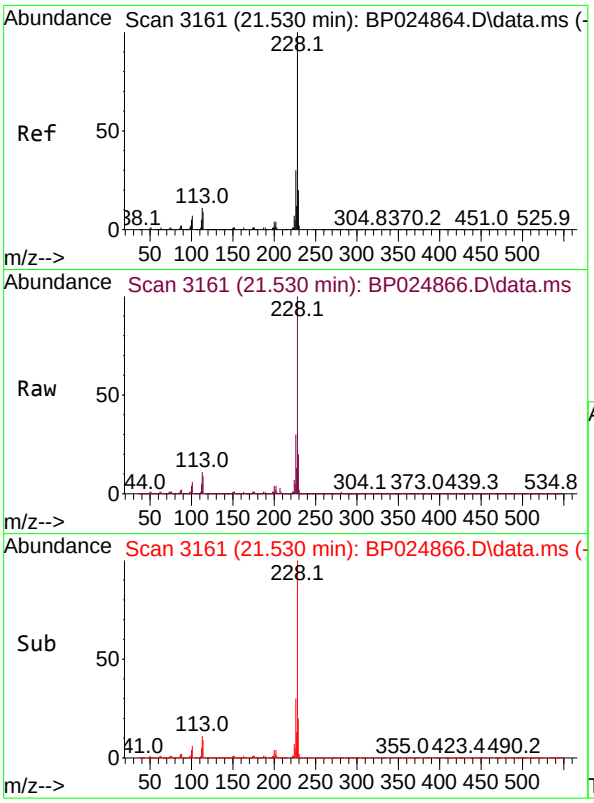


#82
3,3'-Dichlorobenzidine
Concen: 62.681 ng
RT: 21.389 min Scan# 3137
Delta R.T. -0.012 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:252 Resp: 1982344

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.2	76.8
126	10.8	8.6	12.8



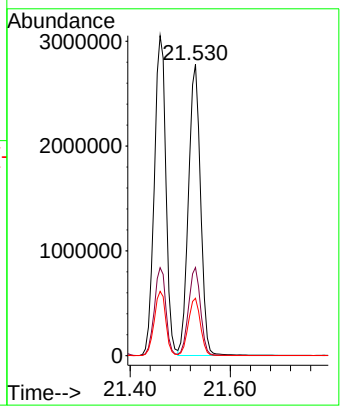


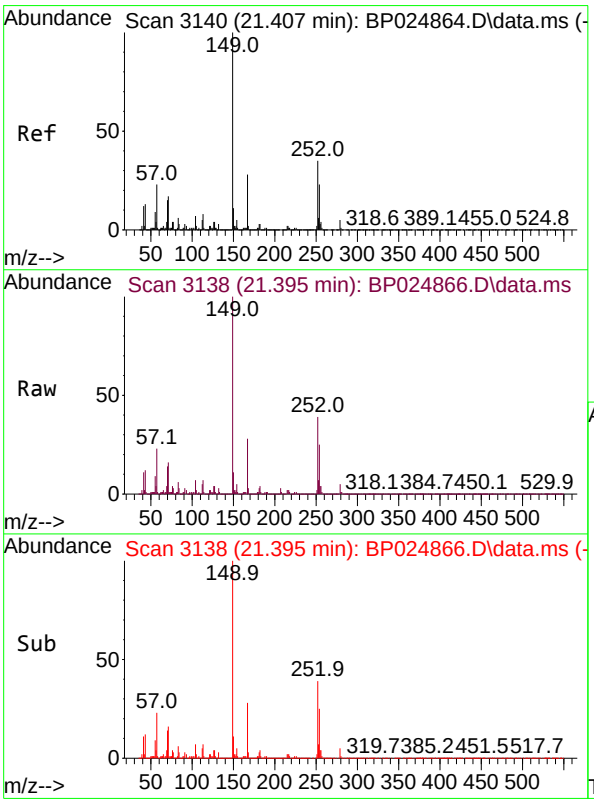
#83
Chrysene
Concen: 61.276 ng
RT: 21.530 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 4625245

Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.8	35.6
229	19.7	15.6	23.4

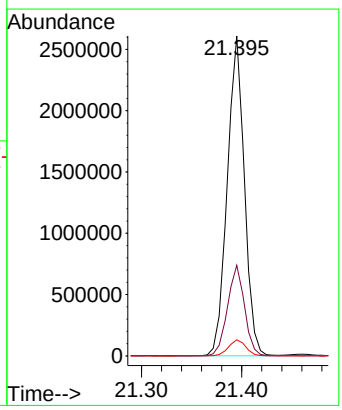


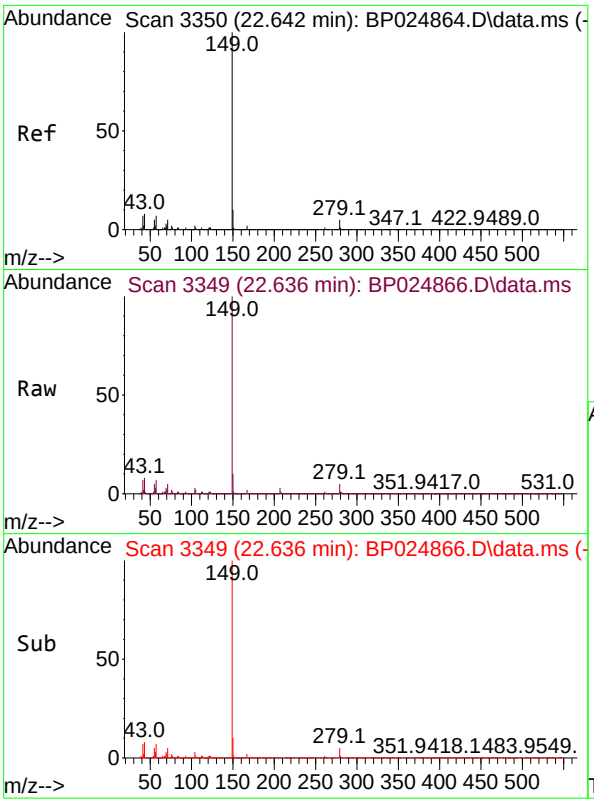


#84
Bis(2-ethylhexyl)phthalate
Concen: 60.769 ng
RT: 21.395 min Scan# 3138
Delta R.T. -0.012 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:149 Resp: 3103331

Ion	Ratio	Lower	Upper
149	100		
167	28.3	22.2	33.4
279	5.0	4.0	6.0



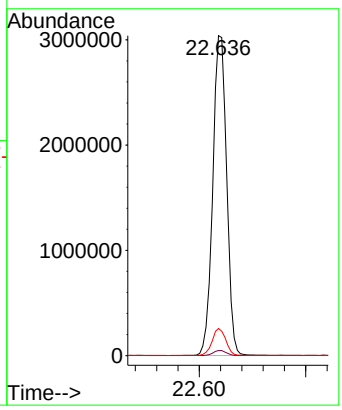


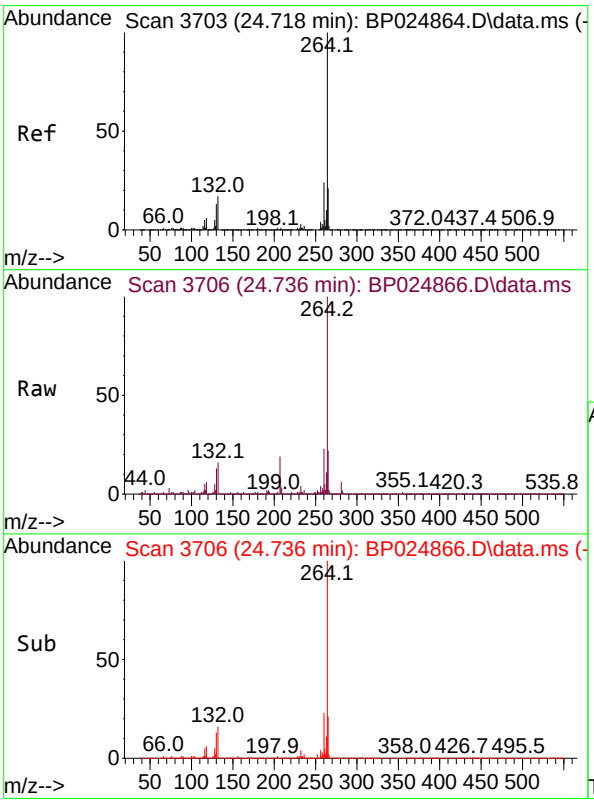
#85
Di-n-octyl phthalate
Concen: 61.004 ng
RT: 22.636 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 5491065

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	8.3	6.6	10.0

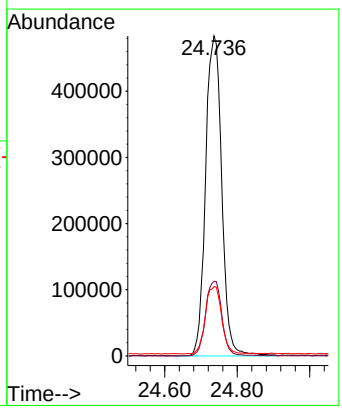


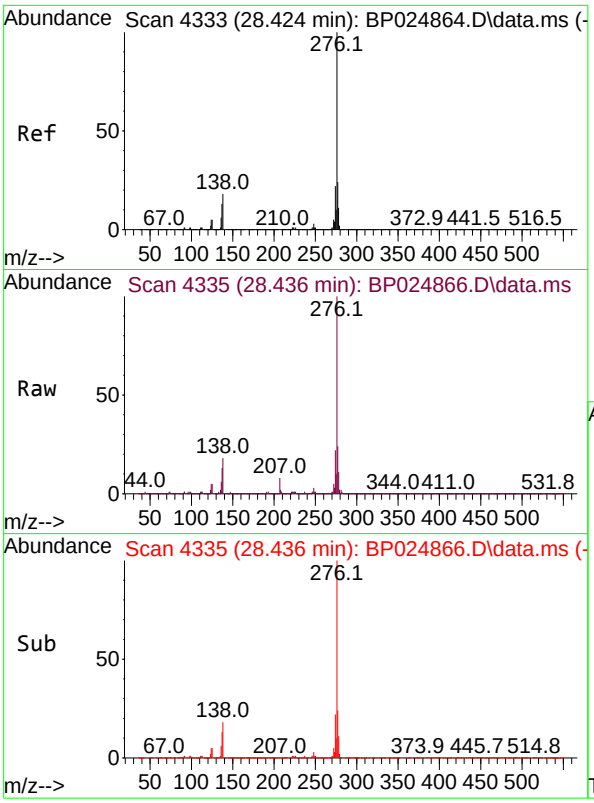


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.736 min Scan# 3706
Delta R.T. 0.018 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:264 Resp: 1494809

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.0	28.4
265	21.7	17.4	26.0



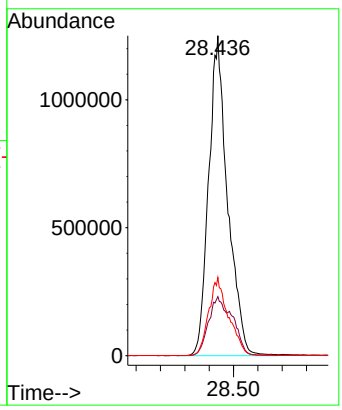


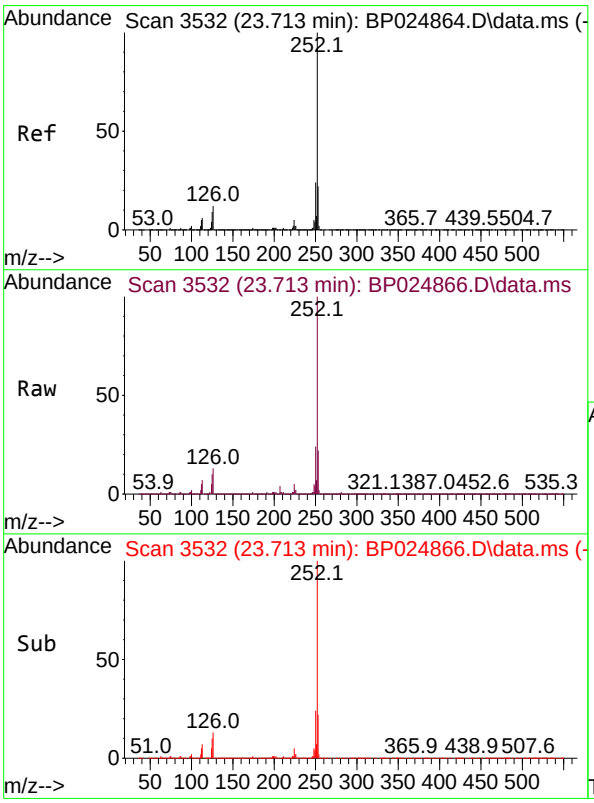
#87
Indeno(1,2,3-cd)pyrene
Concen: 62.088 ng
RT: 28.436 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 6771619

Ion	Ratio	Lower	Upper
276	100		
138	23.2	18.6	27.8
277	25.5	20.2	30.4

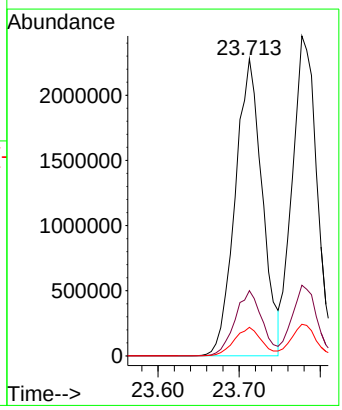


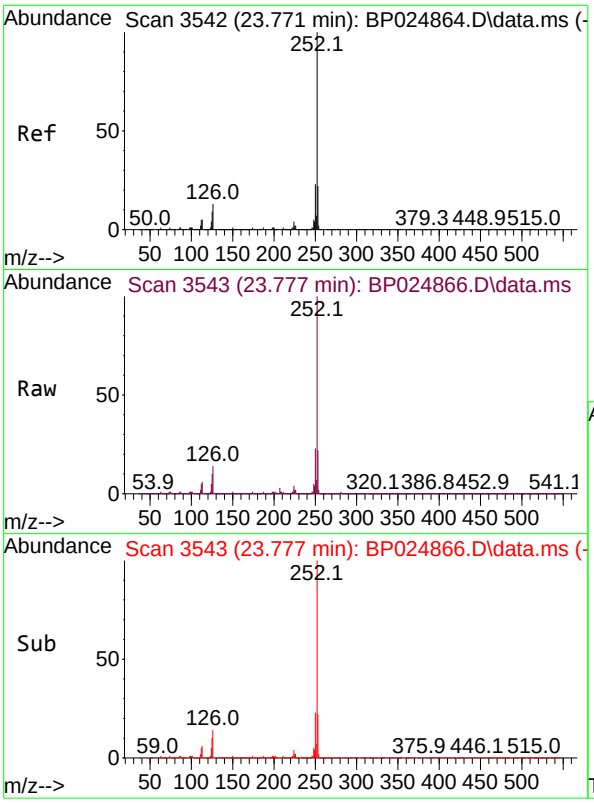


#88
Benzo(b)fluoranthene
Concen: 61.842 ng
RT: 23.713 min Scan# 3532
Delta R.T. 0.000 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:252 Resp: 5290333

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	9.6	7.1	10.7



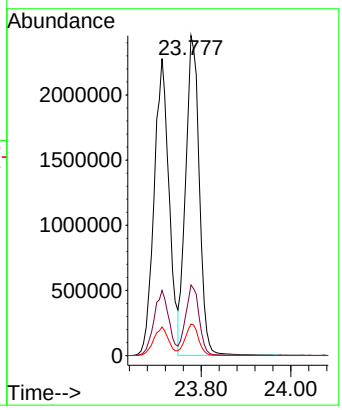


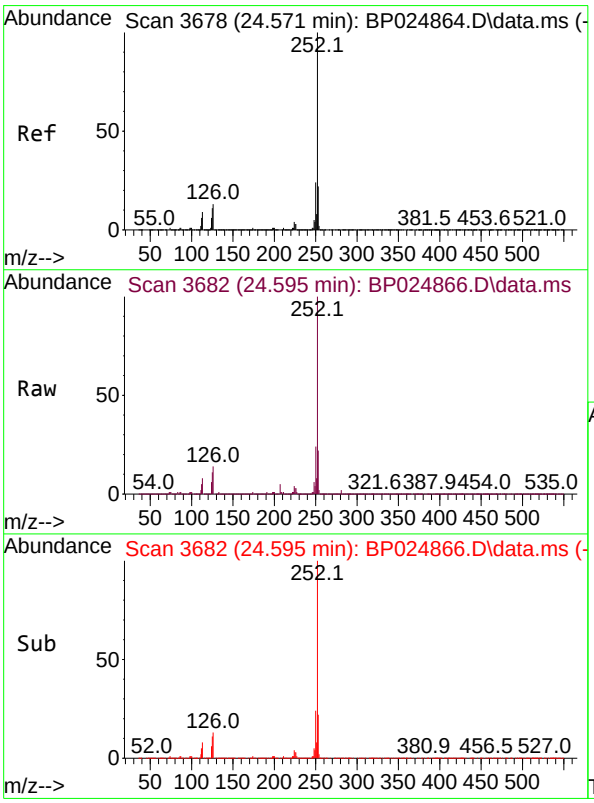
#89
Benzo(k)fluoranthene
Concen: 59.612 ng
RT: 23.777 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 5191049

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	9.9	7.4	11.0

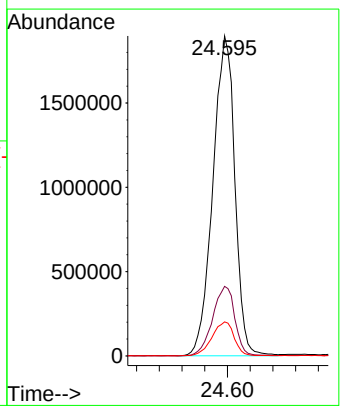


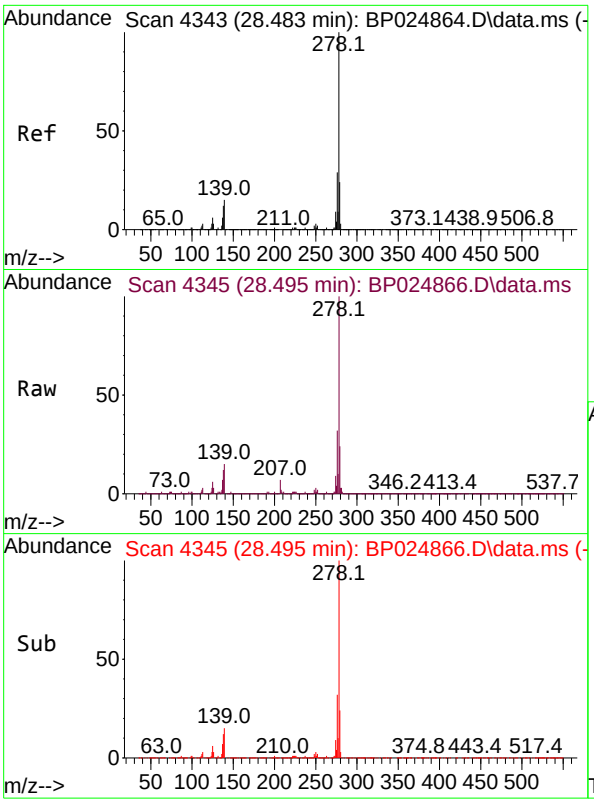


#90
Benzo(a)pyrene
Concen: 60.965 ng
RT: 24.595 min Scan# 3682
Delta R.T. 0.024 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:252 Resp: 5093340

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	10.6	8.8	13.2



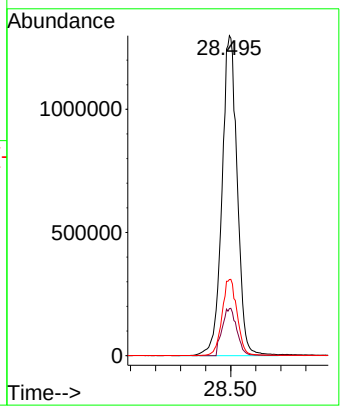


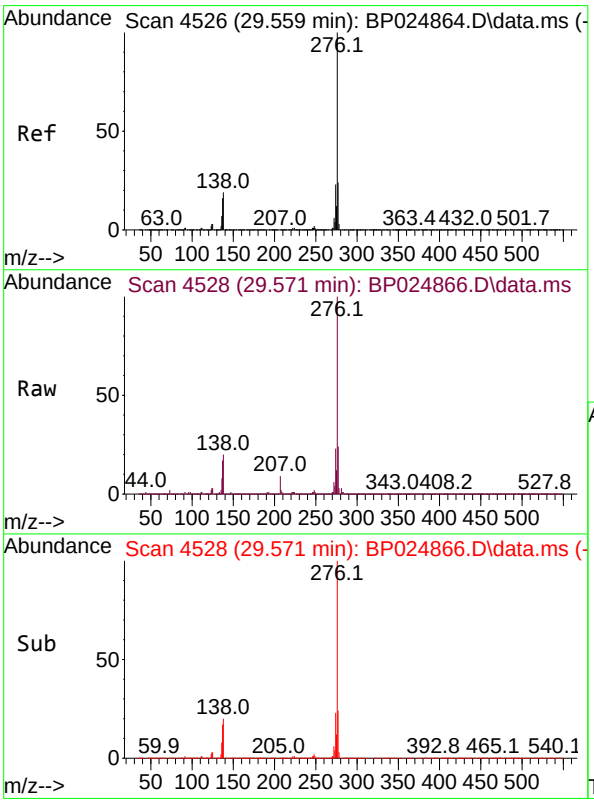
#91
Dibenzo(a,h)anthracene
Concen: 61.830 ng
RT: 28.495 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 5489005

Ion	Ratio	Lower	Upper
278	100		
139	14.7	12.0	18.0
279	23.8	19.1	28.7

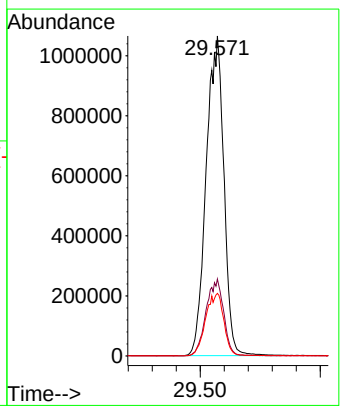




#92
Benzo(g,h,i)perylene
Concen: 61.794 ng
RT: 29.571 min Scan# 4528
Delta R.T. 0.012 min
Lab File: BP024866.D
Acq: 06 Jun 2025 14:37

Tgt Ion:276 Resp: 5442983

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.1	28.7
138	19.6	15.4	23.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024867.D
Acq On : 06 Jun 2025 15:18
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Quant Time: Jun 06 16:05:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.614	152	251656	20.000	ng		0.00
21) Naphthalene-d8	10.384	136	1097725	20.000	ng		0.00
39) Acenaphthene-d10	14.254	164	655445	20.000	ng		0.00
64) Phenanthrene-d10	17.054	188	1282325	20.000	ng		0.00
76) Chrysene-d12	21.489	240	1346775	20.000	ng		0.00
86) Perylene-d12	24.742	264	1568664	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.243	112	2447087	162.312	ng		0.00
7) Phenol-d6	6.819	99	3149578	157.892	ng		0.00
23) Nitrobenzene-d5	8.766	82	3363733	148.903	ng		0.00
42) 2,4,6-Tribromophenol	15.778	330	1494447	164.916	ng		0.00
45) 2-Fluorobiphenyl	12.866	172	7387084	151.825	ng		0.00
79) Terphenyl-d14	19.789	244	11194678	148.975	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.173	88	520741	78.498	ng		100
3) Pyridine	3.567	79	1323253	82.944	ng		99
4) n-Nitrosodimethylamine	3.484	42	528461	81.024	ng		100
6) Aniline	6.961	93	2044864	80.328	ng		100
8) 2-Chlorophenol	7.196	128	1357118	79.405	ng		99
9) Benzaldehyde	6.772	77	650456	56.412	ng		99
10) Phenol	6.843	94	1640201	79.761	ng		99
11) bis(2-Chloroethyl)ether	7.049	93	1254500	77.563	ng		99
12) 1,3-Dichlorobenzene	7.502	146	1480514	77.650	ng		99
13) 1,4-Dichlorobenzene	7.649	146	1497910	77.862	ng		98
14) 1,2-Dichlorobenzene	7.961	146	1431405	75.771	ng		98
15) Benzyl Alcohol	7.866	79	1218925	79.620	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.143	45	1584064	74.829	ng		98
17) 2-Methylphenol	8.072	107	1128854	78.611	ng		99
18) Hexachloroethane	8.672	117	566168	78.169	ng		97
19) n-Nitroso-di-n-propyla...	8.419	70	1035677	76.374	ng		99
20) 3+4-Methylphenols	8.402	107	1524653	77.821	ng		99
22) Acetophenone	8.431	105	2033065	73.305	ng	#	99
24) Nitrobenzene	8.808	77	1489831	74.236	ng		99
25) Isophorone	9.331	82	3090456	78.936	ng		98
26) 2-Nitrophenol	9.508	139	870704	87.932	ng		98
27) 2,4-Dimethylphenol	9.584	122	1396457	82.403	ng		98
28) bis(2-Chloroethoxy)met...	9.808	93	1828377	78.289	ng		98
29) 2,4-Dichlorophenol	10.055	162	1419757	87.313	ng		98
30) 1,2,4-Trichlorobenzene	10.243	180	1542041	84.080	ng		99
31) Naphthalene	10.431	128	4104122	72.957	ng		100
32) Benzoic acid	9.802	122	1065621	94.314	ng		97
33) 4-Chloroaniline	10.555	127	1816811	77.087	ng		100
34) Hexachlorobutadiene	10.713	225	830962	75.174	ng		99
35) Caprolactam	11.366	113	457044	76.358	ng		97
36) 4-Chloro-3-methylphenol	11.702	107	1442747	76.925	ng		99
37) 2-Methylnaphthalene	12.049	142	2642800	74.062	ng		99
38) 1-Methylnaphthalene	12.272	142	2821350	73.955	ng		99
40) 1,2,4,5-Tetrachloroben...	12.425	216	1472269	79.160	ng		100
41) Hexachlorocyclopentadiene	12.396	237	1031961	90.970	ng		99
43) 2,4,6-Trichlorophenol	12.678	196	1039009	83.186	ng		98

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024867.D
Acq On : 06 Jun 2025 15:18
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Quant Time: Jun 06 16:05:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration

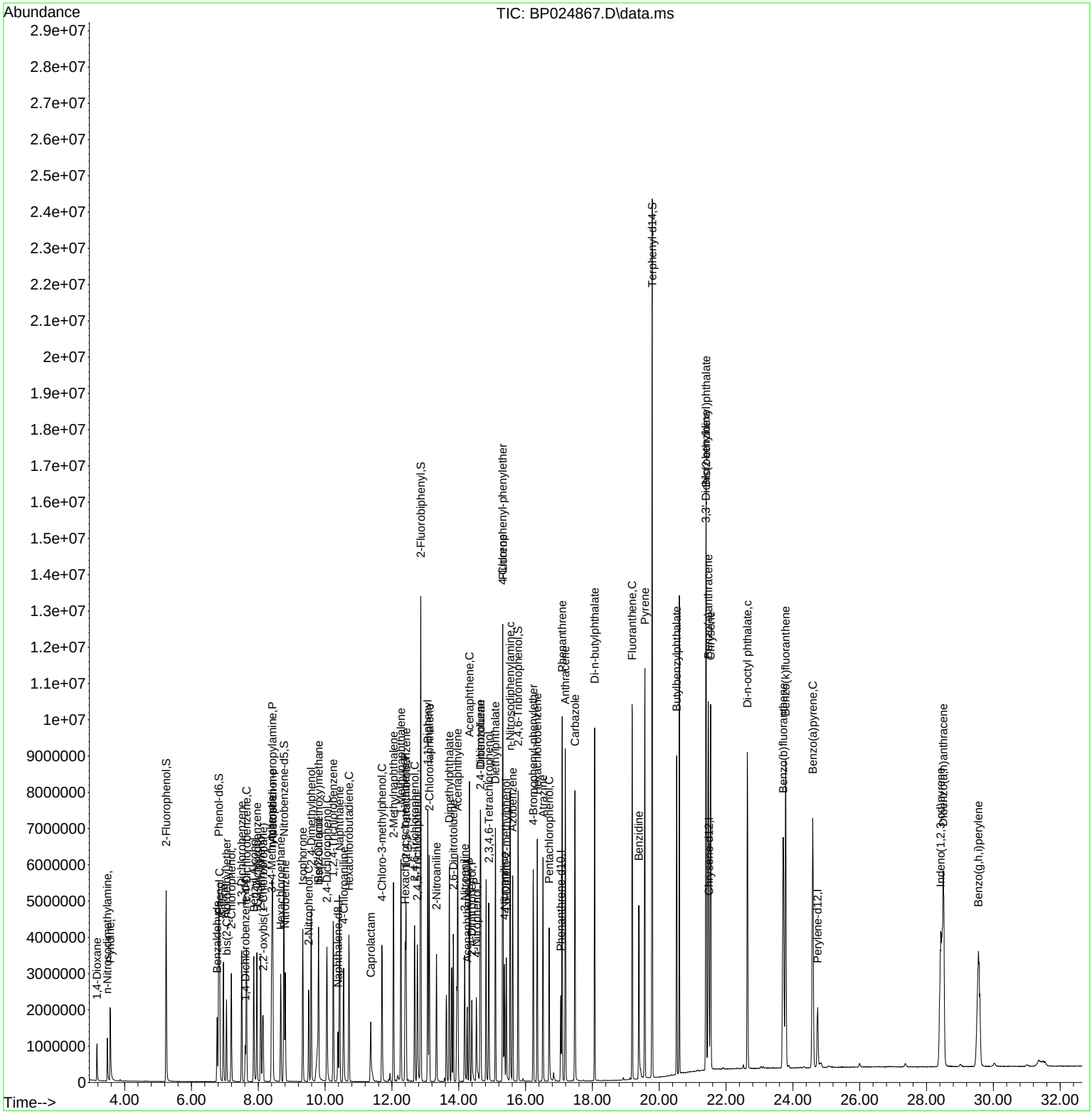
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.760	196	1117015	83.507	ng		99
46) 1,1'-Biphenyl	13.072	154	3678354	77.223	ng		99
47) 2-Chloronaphthalene	13.119	162	2834595	77.428	ng		99
48) 2-Nitroaniline	13.337	65	930628	82.685	ng		96
49) Acenaphthylene	13.966	152	4731215	77.508	ng		100
50) Dimethylphthalate	13.719	163	3769405	77.959	ng		100
51) 2,6-Dinitrotoluene	13.837	165	829970	79.625	ng		95
52) Acenaphthene	14.319	154	2715693	77.638	ng		100
53) 3-Nitroaniline	14.178	138	914372	84.530	ng		98
54) 2,4-Dinitrophenol	14.390	184	537870	79.298	ng		99
55) Dibenzofuran	14.654	168	4234879	75.424	ng		99
56) 4-Nitrophenol	14.531	139	720226	78.739	ng		98
57) 2,4-Dinitrotoluene	14.643	165	1200593	82.341	ng		98
58) Fluorene	15.319	166	3484502	76.824	ng		100
59) 2,3,4,6-Tetrachlorophenol	14.901	232	970694	81.077	ng		100
60) Diethylphthalate	15.095	149	3799279	78.844	ng		98
61) 4-Chlorophenyl-phenyle...	15.313	204	1725059	77.784	ng		97
62) 4-Nitroaniline	15.372	138	875375	89.199	ng		96
63) Azobenzene	15.613	77	3426736	77.538	ng		99
65) 4,6-Dinitro-2-methylph...	15.425	198	728771	86.490	ng		96
66) n-Nitrosodiphenylamine	15.543	169	3044661	76.603	ng		98
67) 4-Bromophenyl-phenylether	16.231	248	1157878	80.026	ng		99
68) Hexachlorobenzene	16.348	284	1395074	79.535	ng		99
69) Atrazine	16.525	200	1168753	81.114	ng		98
70) Pentachlorophenol	16.707	266	817045	90.003	ng		99
71) Phenanthrene	17.095	178	5340604	75.365	ng		99
72) Anthracene	17.189	178	5555906	77.415	ng		99
73) Carbazole	17.478	167	5166153	77.661	ng		99
74) Di-n-butylphthalate	18.066	149	6583572	79.879	ng		99
75) Fluoranthene	19.189	202	6351620	77.333	ng		100
77) Benzidine	19.389	184	2849177	68.307	ng		100
78) Pyrene	19.572	202	6497989	77.229	ng		99
80) Butylbenzylphthalate	20.525	149	3175233	82.388	ng		98
81) Benzo(a)anthracene	21.466	228	6696396	77.741	ng		99
82) 3,3'-Dichlorobenzidine	21.395	252	2698352	78.907	ng		99
83) Chrysene	21.536	228	6294743	77.125	ng		99
84) Bis(2-ethylhexyl)phtha...	21.407	149	4578538	82.917	ng		98
85) Di-n-octyl phthalate	22.636	149	7936082	81.539	ng		100
87) Indeno(1,2,3-cd)pyrene	28.424	276	9013339	78.751	ng	#	93
88) Benzo(b)fluoranthene	23.713	252	7112180	79.224	ng		99
89) Benzo(k)fluoranthene	23.783	252	7179421	78.564	ng		100
90) Benzo(a)pyrene	24.595	252	6983429	79.653	ng		99
91) Dibenzo(a,h)anthracene	28.501	278	7356566	78.965	ng		100
92) Benzo(g,h,i)perylene	29.554	276	7260298	78.545	ng		98

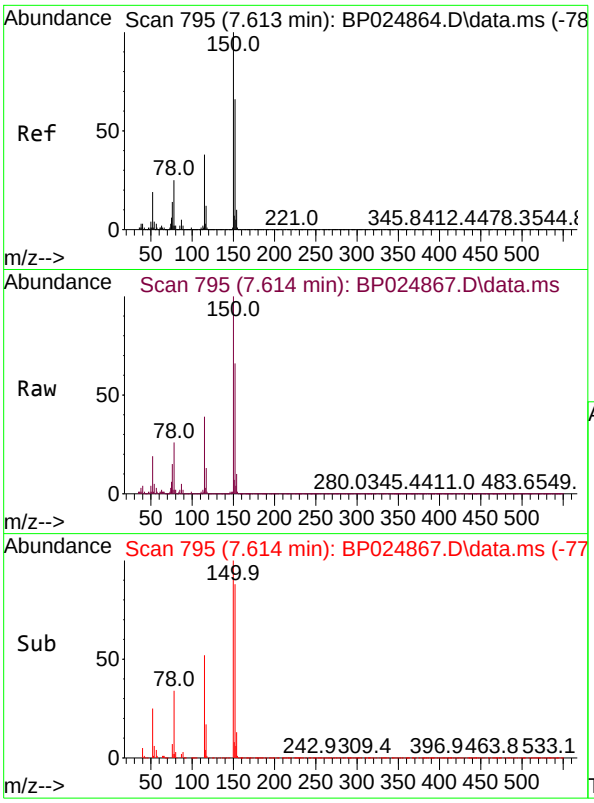
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Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024867.D
Acq On : 06 Jun 2025 15:18
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Quant Time: Jun 06 16:05:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 15:53:04 2025
Response via : Initial Calibration



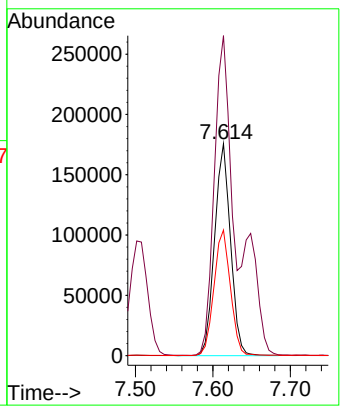


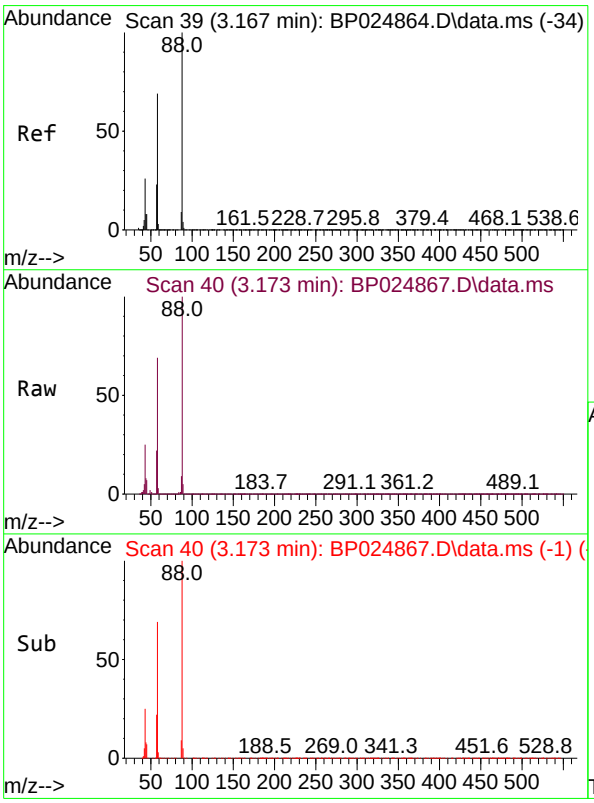
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.614 min Scan# 79
Delta R.T. 0.001 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 251656

Ion	Ratio	Lower	Upper
152	100		
150	151.0	122.1	183.1
115	59.2	46.4	69.6

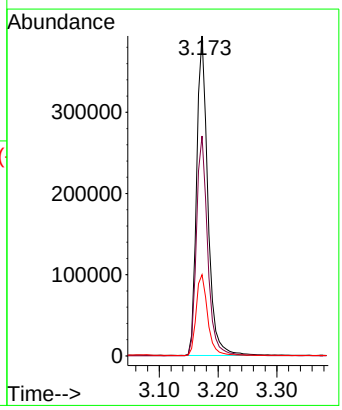


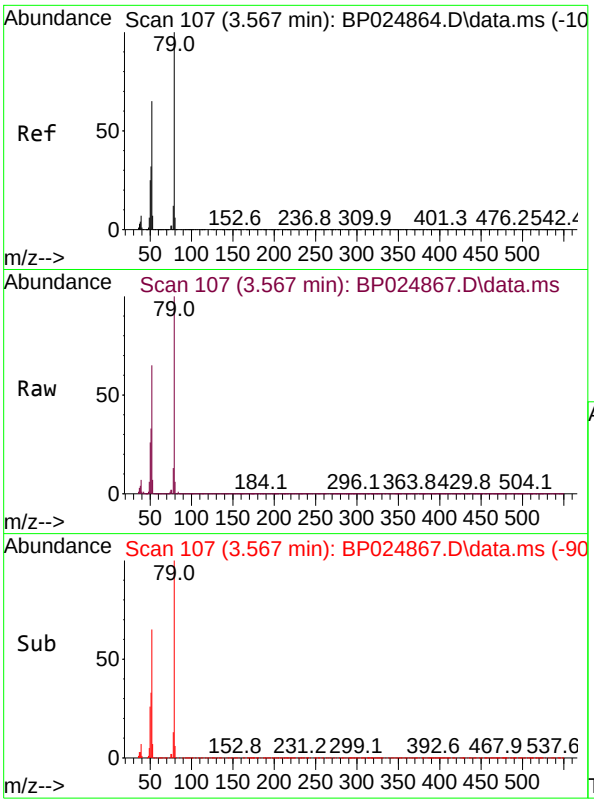


#2
1,4-Dioxane
Concen: 78.498 ng
RT: 3.173 min Scan# 40
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion: 88 Resp: 520741

Ion	Ratio	Lower	Upper
88	100		
58	69.2	55.4	83.0
43	26.0	20.8	31.2



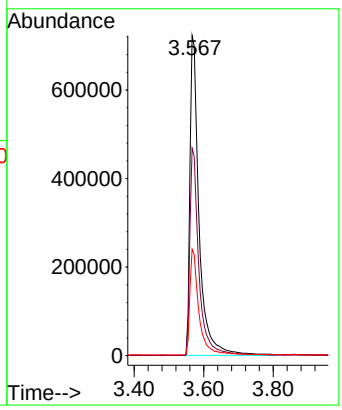


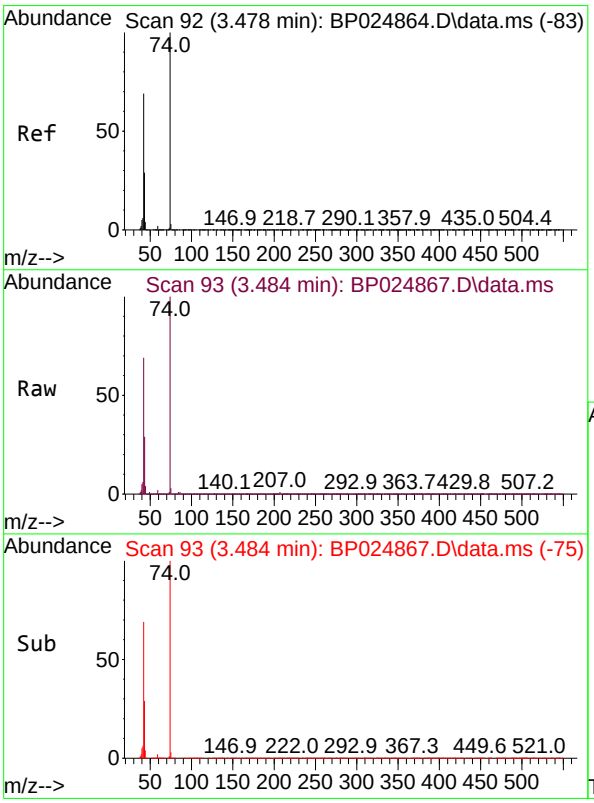
#3
Pyridine
Concen: 82.944 ng
RT: 3.567 min Scan# 10
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 1323253

Ion	Ratio	Lower	Upper
79	100		
52	64.8	51.6	77.4
51	33.3	25.5	38.3

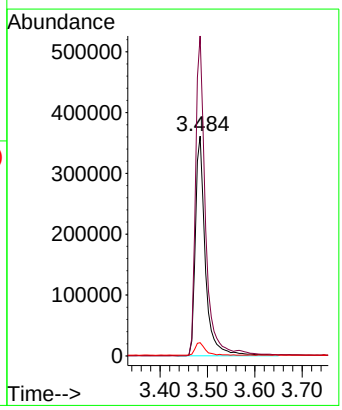


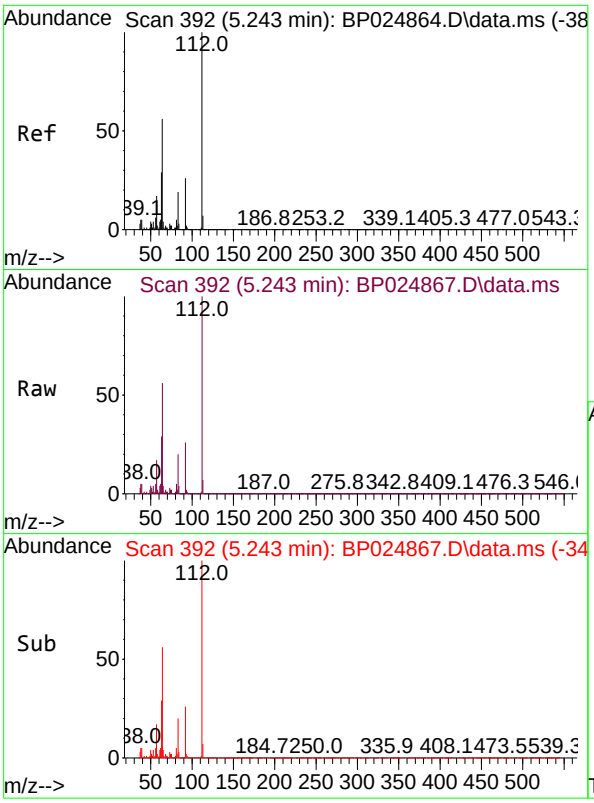


#4
n-Nitrosodimethylamine
Concen: 81.024 ng
RT: 3.484 min Scan# 93
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion: 42 Resp: 528461

Ion	Ratio	Lower	Upper
42	100		
74	145.7	116.6	174.8
44	6.0	5.4	8.0



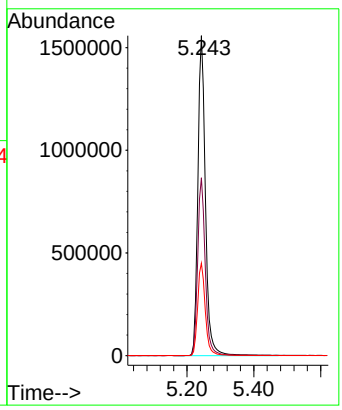


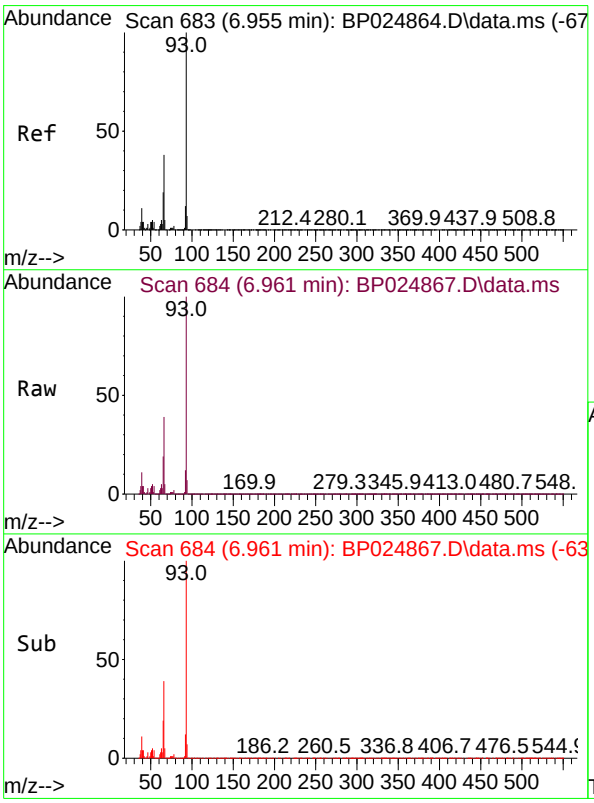
#5
2-Fluorophenol
Concen: 162.312 ng
RT: 5.243 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 2447087

Ion	Ratio	Lower	Upper
112	100		
64	55.6	44.7	67.1
63	28.9	23.5	35.3

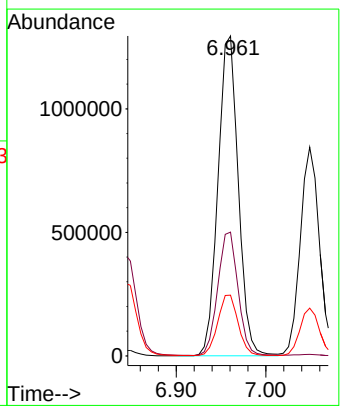


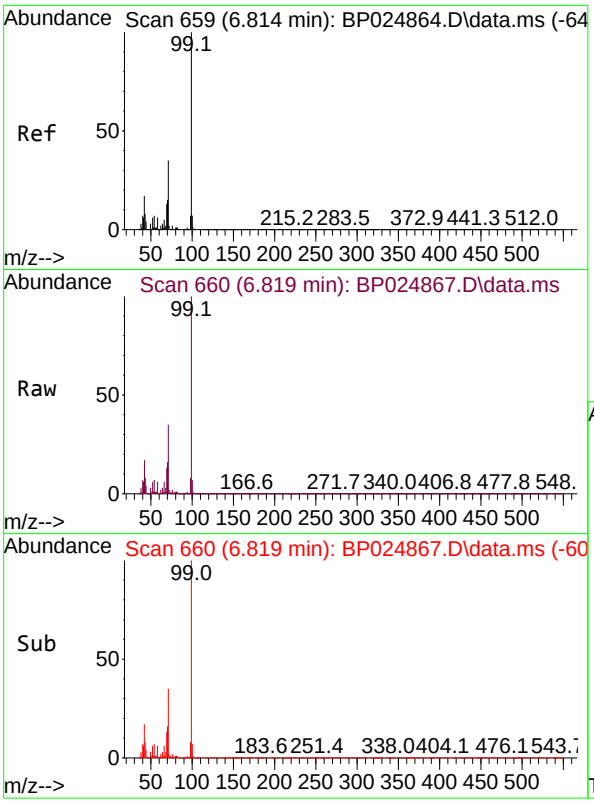


#6
Aniline
Concen: 80.328 ng
RT: 6.961 min Scan# 684
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion: 93 Resp: 2044864

Ion	Ratio	Lower	Upper
93	100		
66	38.7	30.9	46.3
65	19.0	15.5	23.3



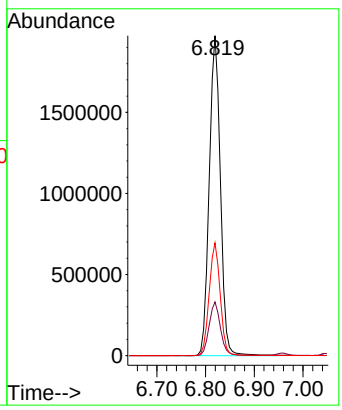


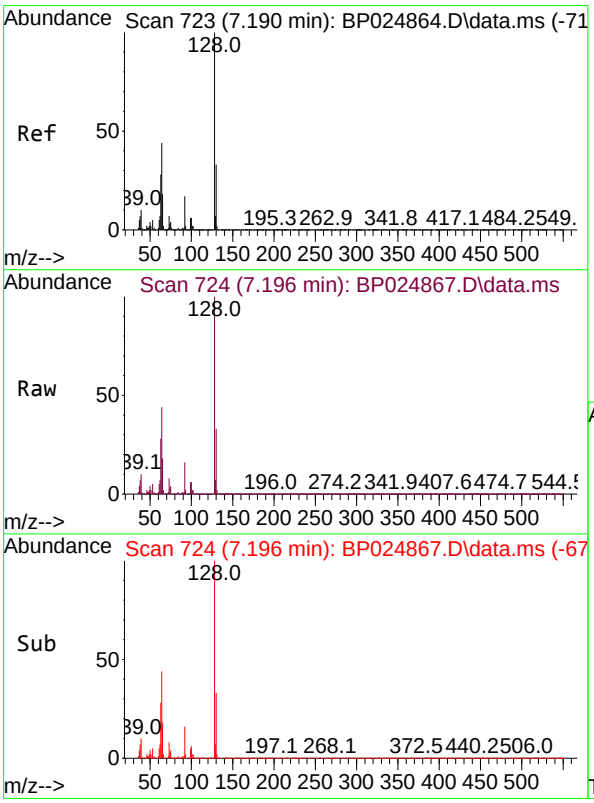
#7
Phenol-d6
Concen: 157.892 ng
RT: 6.819 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 3149578

Ion	Ratio	Lower	Upper
99	100		
42	16.8	13.4	20.2
71	35.2	27.6	41.4

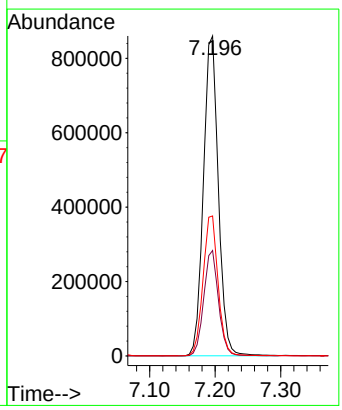


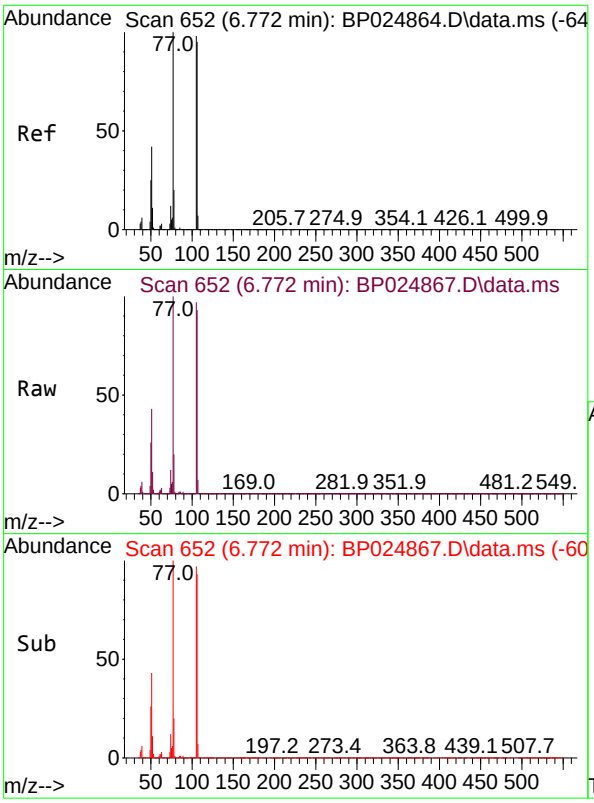


#8
2-Chlorophenol
Concen: 79.405 ng
RT: 7.196 min Scan# 724
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:128 Resp: 1357118

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.6	52.6
64	43.7	24.1	64.1



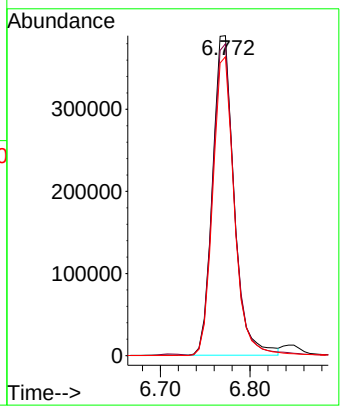


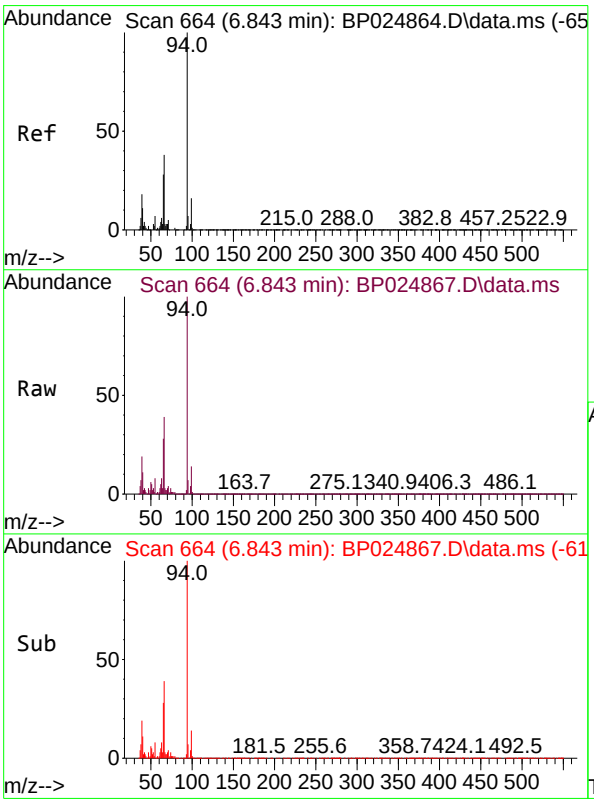
#9
Benzaldehyde
Concen: 56.412 ng
RT: 6.772 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 650456

Ion	Ratio	Lower	Upper
77	100		
105	97.4	77.7	117.7
106	93.4	74.8	114.8

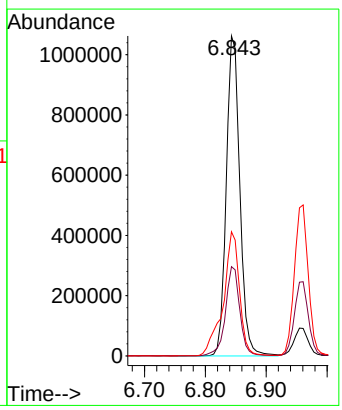


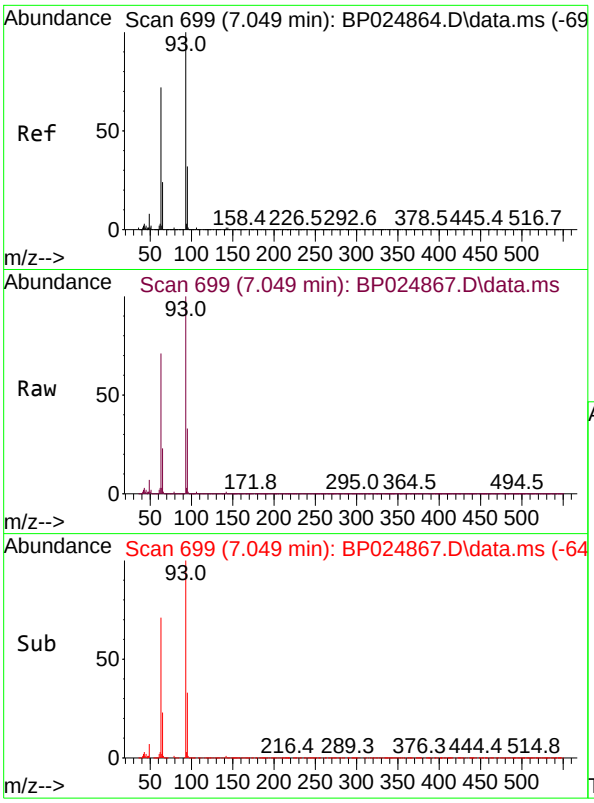


#10
Phenol
Concen: 79.761 ng
RT: 6.843 min Scan# 664
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion: 94 Resp: 1640201

Ion	Ratio	Lower	Upper
94	100		
65	27.9	8.3	48.3
66	38.8	18.2	58.2



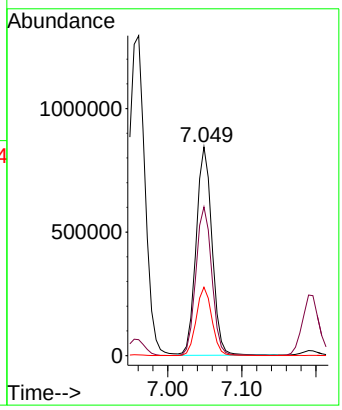


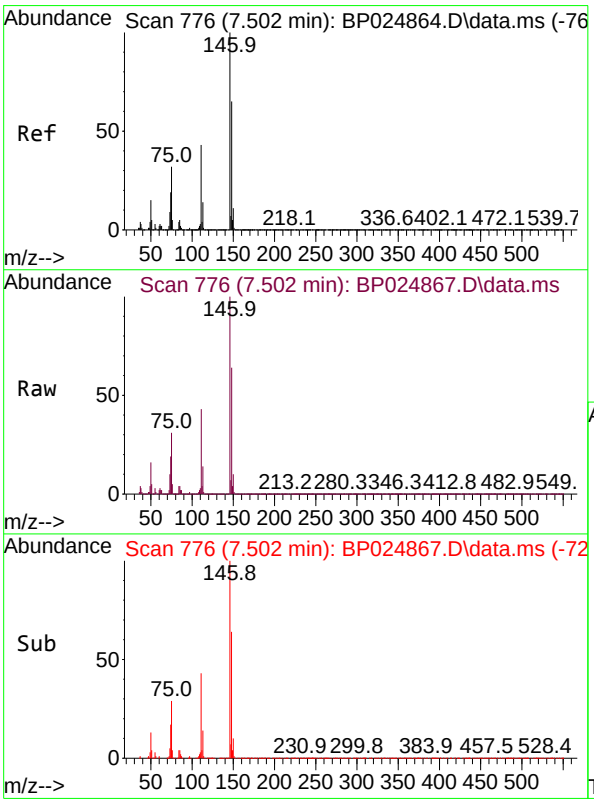
#11
bis(2-Chloroethyl)ether
Concen: 77.563 ng
RT: 7.049 min Scan# 69
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 1254500

Ion	Ratio	Lower	Upper
93	100		
63	71.2	51.6	91.6
95	32.8	12.1	52.1

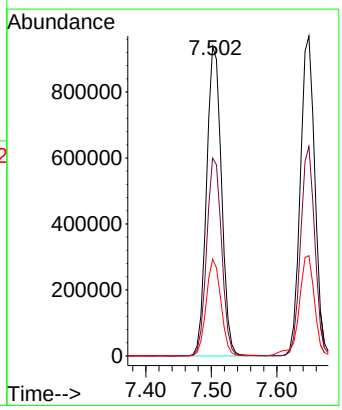


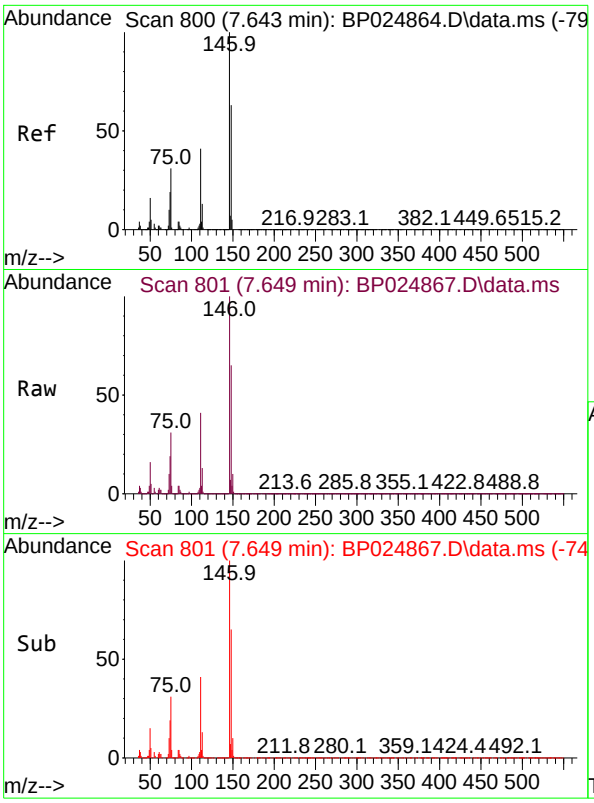


#12
1,3-Dichlorobenzene
Concen: 77.650 ng
RT: 7.502 min Scan# 776
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:146 Resp: 1480514

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.8	77.8
75	31.2	25.3	37.9



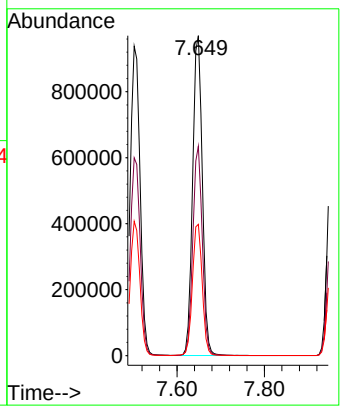


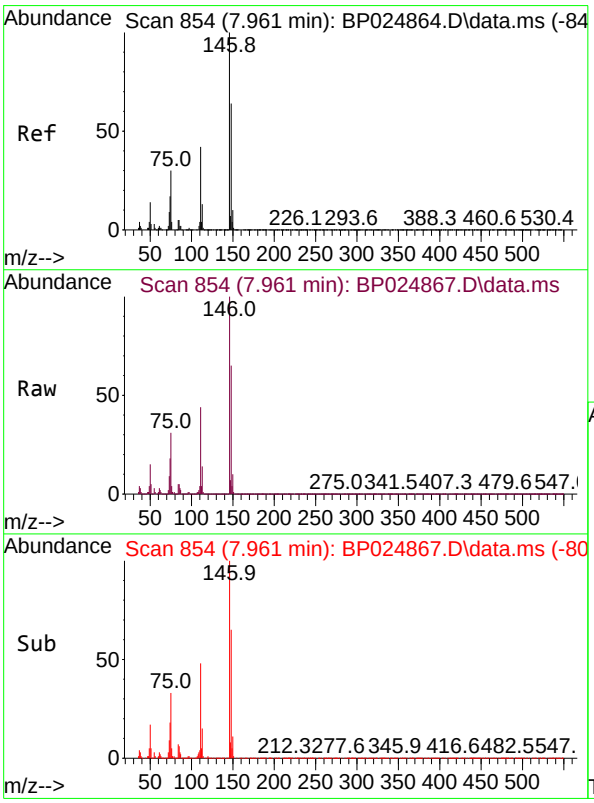
#13
1,4-Dichlorobenzene
Concen: 77.862 ng
RT: 7.649 min Scan# 80
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 1497910

Ion	Ratio	Lower	Upper
146	100		
148	65.4	50.8	76.2
111	41.0	32.7	49.1

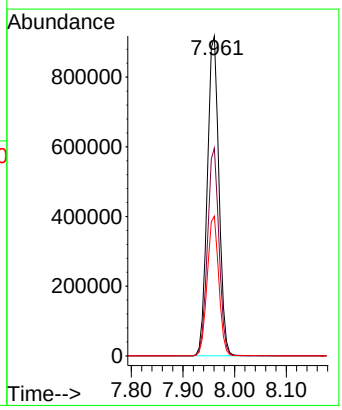


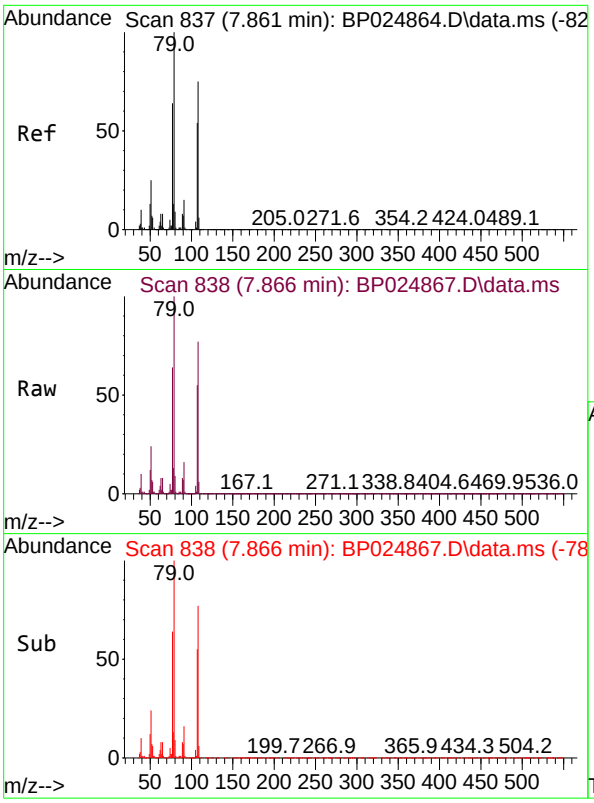


#14
1,2-Dichlorobenzene
Concen: 75.771 ng
RT: 7.961 min Scan# 854
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:146 Resp: 1431405

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.0	76.4
111	43.7	33.8	50.8



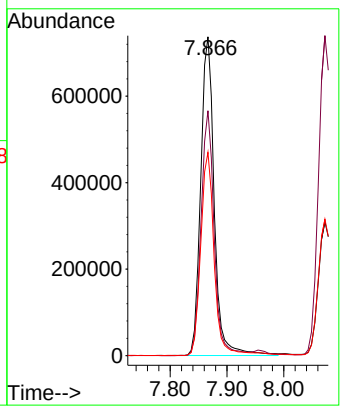


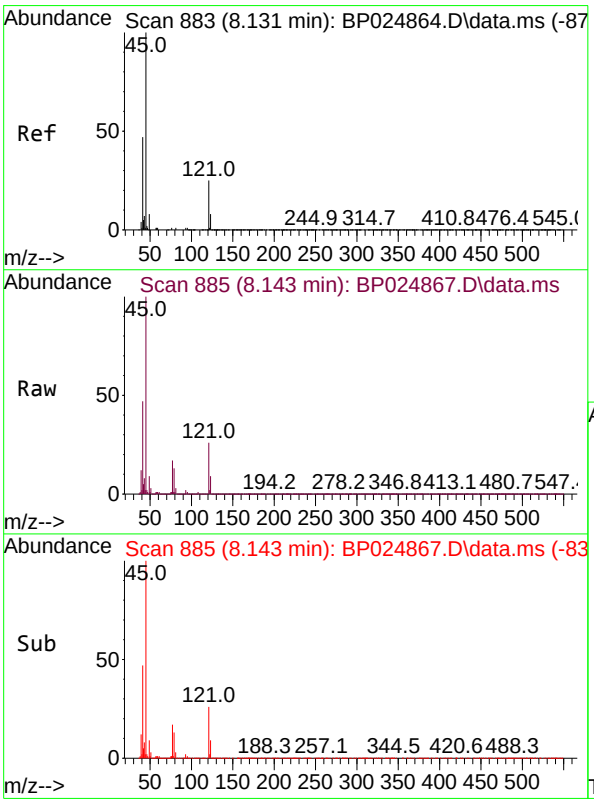
#15
Benzyl Alcohol
Concen: 79.620 ng
RT: 7.866 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 1218925

Ion	Ratio	Lower	Upper
79	100		
108	76.8	60.2	90.4
77	63.8	51.2	76.8

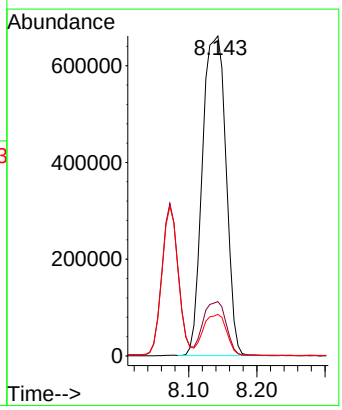


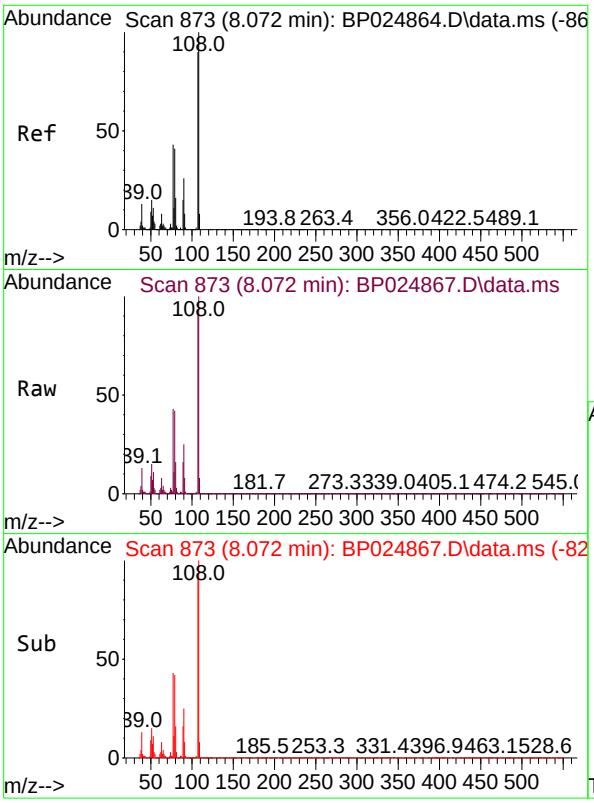


#16
2,2'-oxybis(1-Chloropropane)
Concen: 74.829 ng
RT: 8.143 min Scan# 885
Delta R.T. 0.012 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion: 45 Resp: 1584064

Ion	Ratio	Lower	Upper
45	100		
77	17.0	0.0	36.3
79	13.0	0.0	32.2



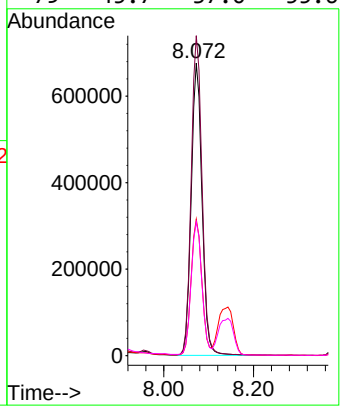


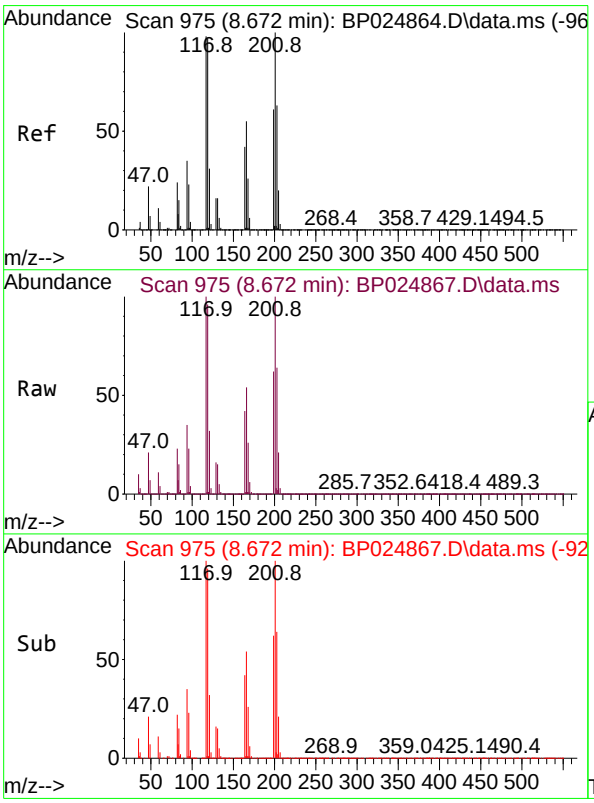
#17
2-Methylphenol
Concen: 78.611 ng
RT: 8.072 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 1128854

Ion	Ratio	Lower	Upper
107	100		
108	109.4	88.6	132.8
77	46.6	38.5	57.7
79	45.7	37.0	55.6

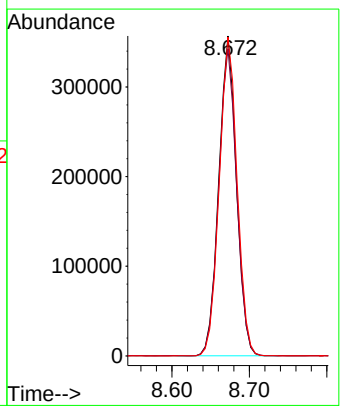


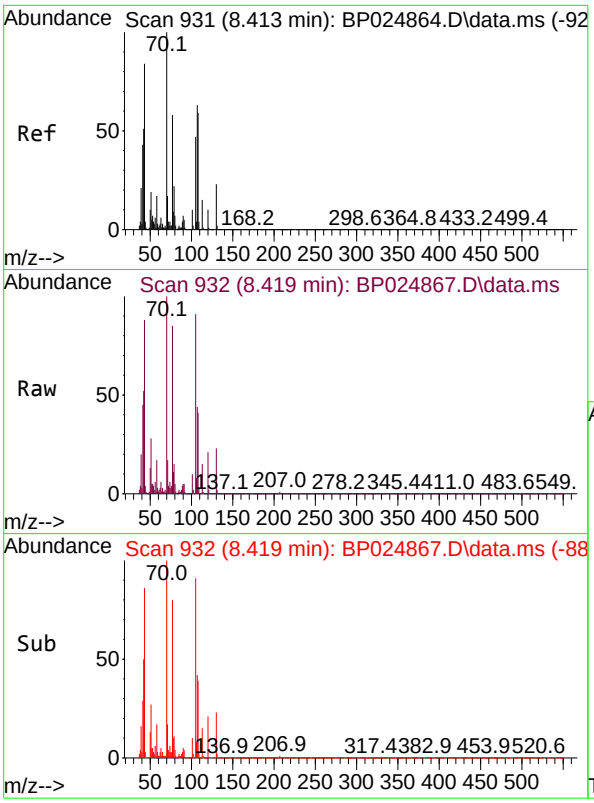


#18
Hexachloroethane
Concen: 78.169 ng
RT: 8.672 min Scan# 975
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:117 Resp: 566168

Ion	Ratio	Lower	Upper
117	100		
119	95.9	79.4	119.2
201	99.6	81.4	122.2



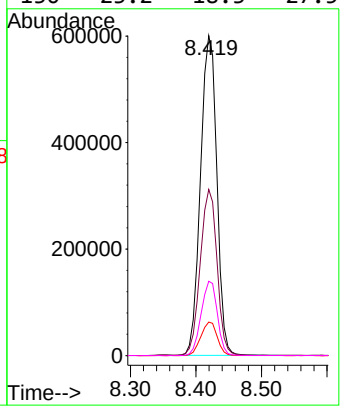


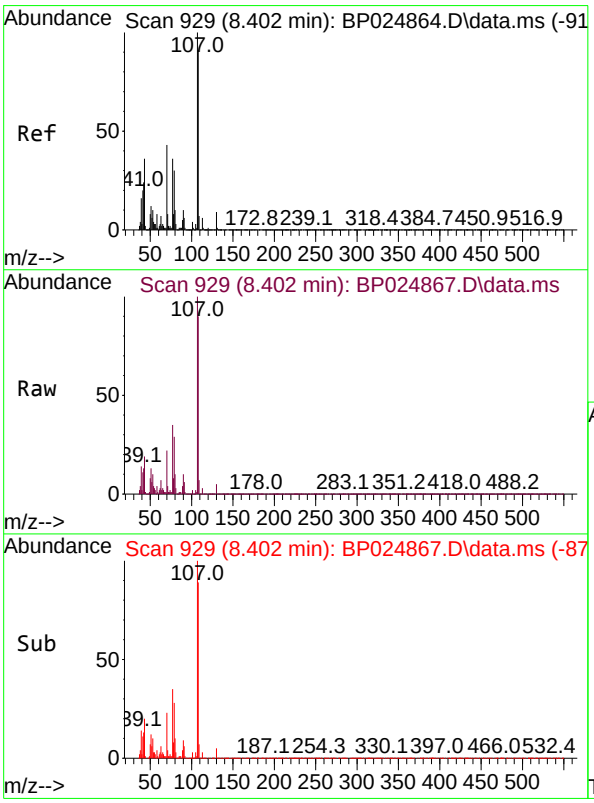
#19
n-Nitroso-di-n-propylamine
Concen: 76.374 ng
RT: 8.419 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 70 Resp: 1035677

Ion	Ratio	Lower	Upper
70	100		
42	51.9	41.2	61.8
101	10.5	8.3	12.5
130	23.2	18.3	27.5

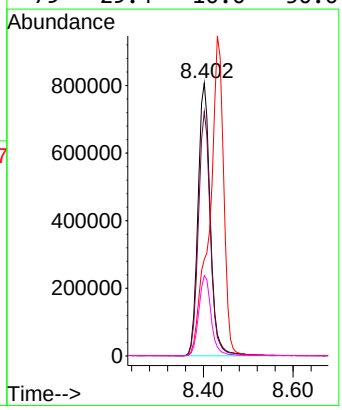


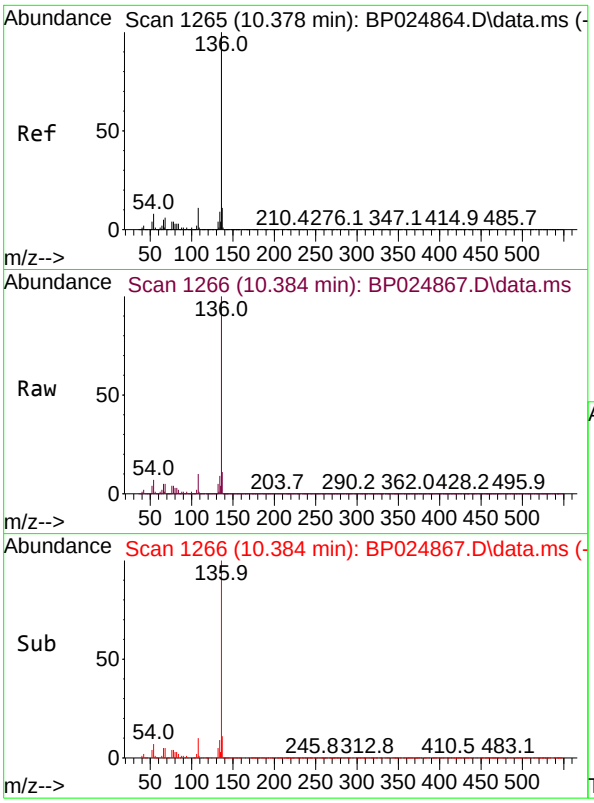


#20
3+4-Methylphenols
Concen: 77.821 ng
RT: 8.402 min Scan# 929
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:107 Resp: 1524653

Ion	Ratio	Lower	Upper
107	100		
108	89.5	70.7	110.7
77	35.4	16.6	56.6
79	29.4	10.0	50.0



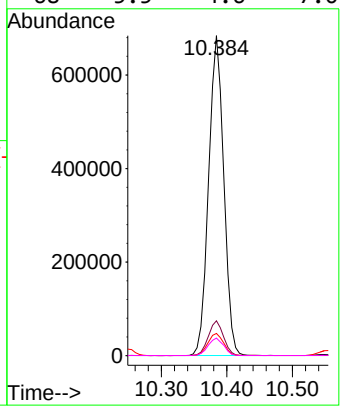


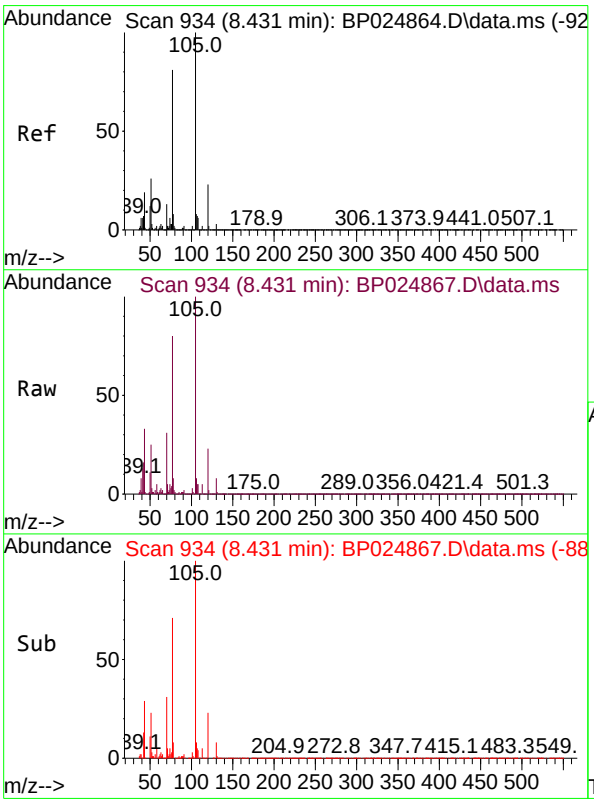
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.384 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:136 Resp: 1097725

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.9	6.1	9.1
68	5.5	4.6	7.0

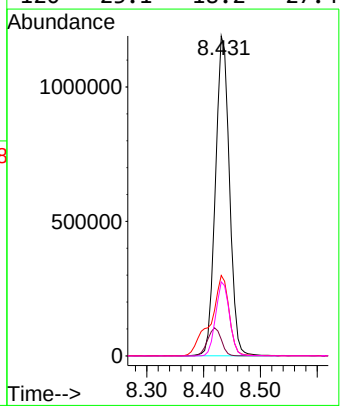


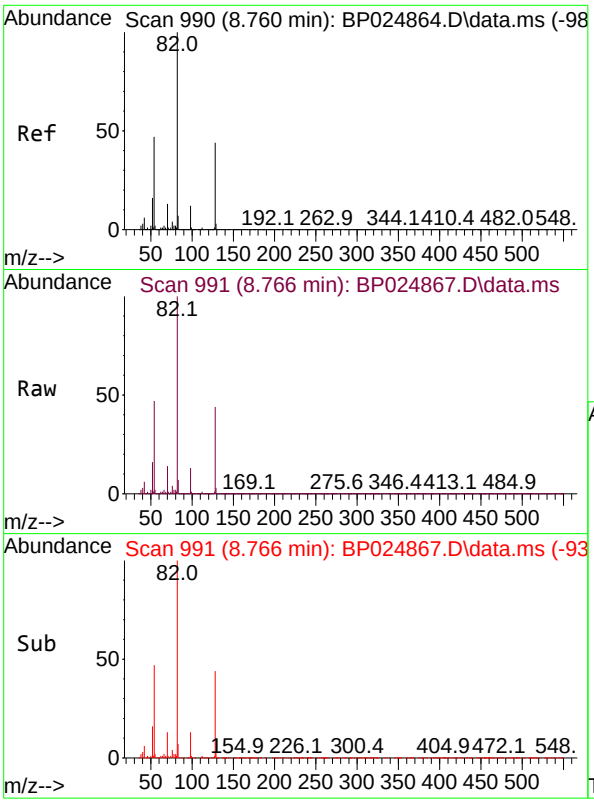


#22
Acetophenone
Concen: 73.305 ng
RT: 8.431 min Scan# 934
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:105 Resp: 2033065

Ion	Ratio	Lower	Upper
105	100		
71	5.2	1.6	2.4#
51	25.1	20.6	31.0
120	23.1	18.2	27.4



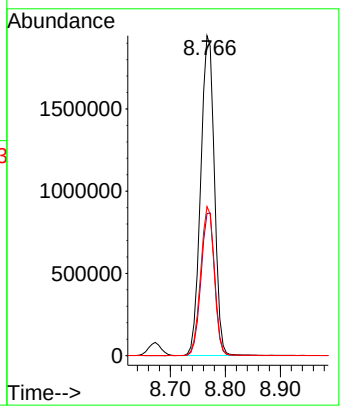


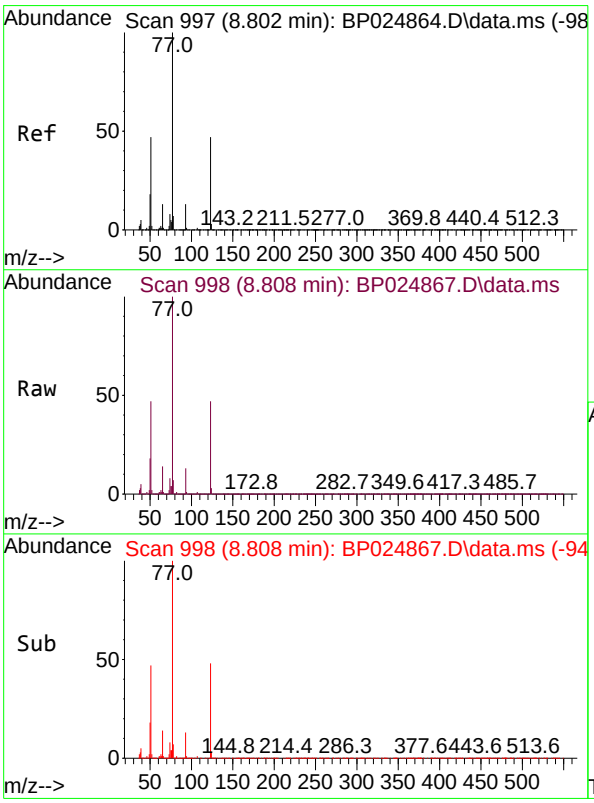
#23
Nitrobenzene-d5
Concen: 148.903 ng
RT: 8.766 min Scan# 99
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 3363733

Ion	Ratio	Lower	Upper
82	100		
128	44.4	35.3	52.9
54	46.6	37.4	56.0

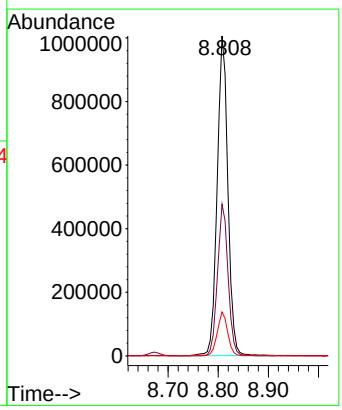


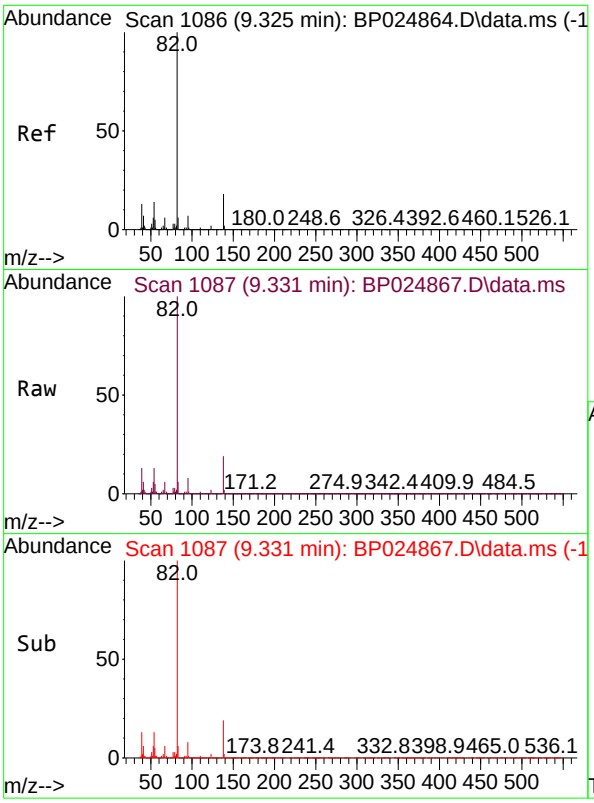


#24
Nitrobenzene
Concen: 74.236 ng
RT: 8.808 min Scan# 998
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion: 77 Resp: 1489831

Ion	Ratio	Lower	Upper
77	100		
123	47.4	37.3	55.9
65	13.7	10.8	16.2



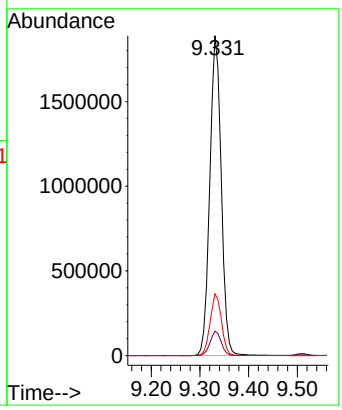


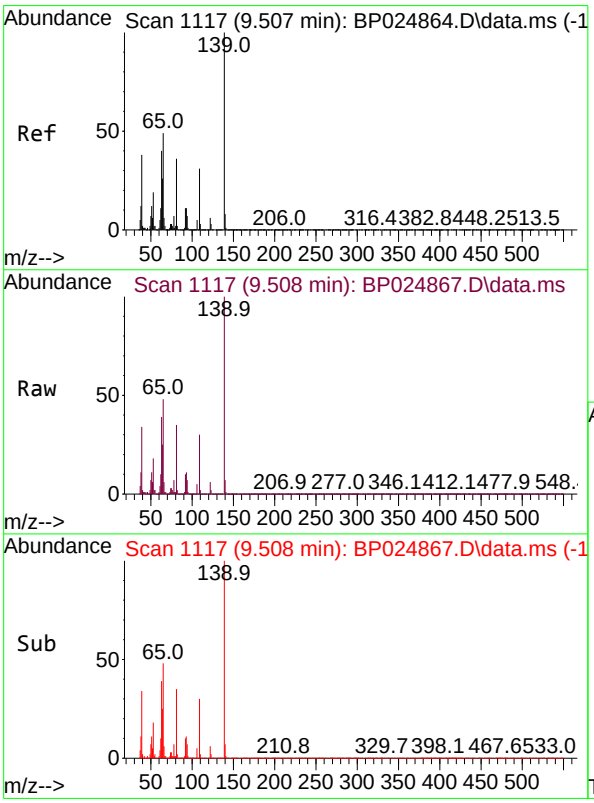
#25
Isophorone
Concen: 78.936 ng
RT: 9.331 min Scan# 10
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 3090456

Ion	Ratio	Lower	Upper
82	100		
95	7.6	5.9	8.9
138	19.3	14.6	21.8

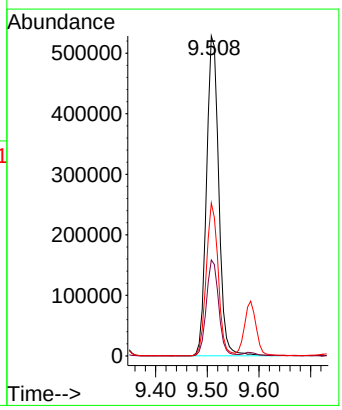


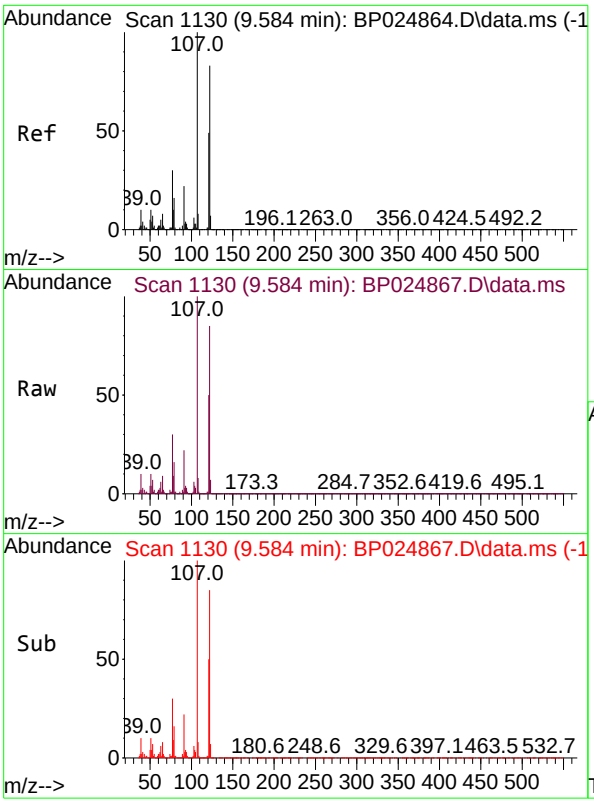


#26
2-Nitrophenol
Concen: 87.932 ng
RT: 9.508 min Scan# 1117
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:139 Resp: 870704

Ion	Ratio	Lower	Upper
139	100		
109	30.0	24.6	37.0
65	47.8	39.5	59.3



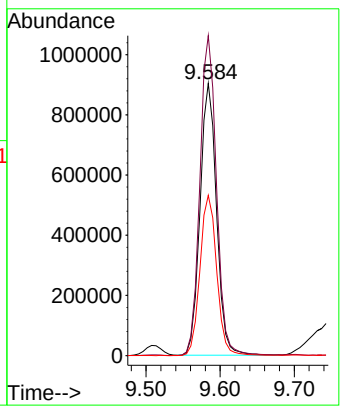


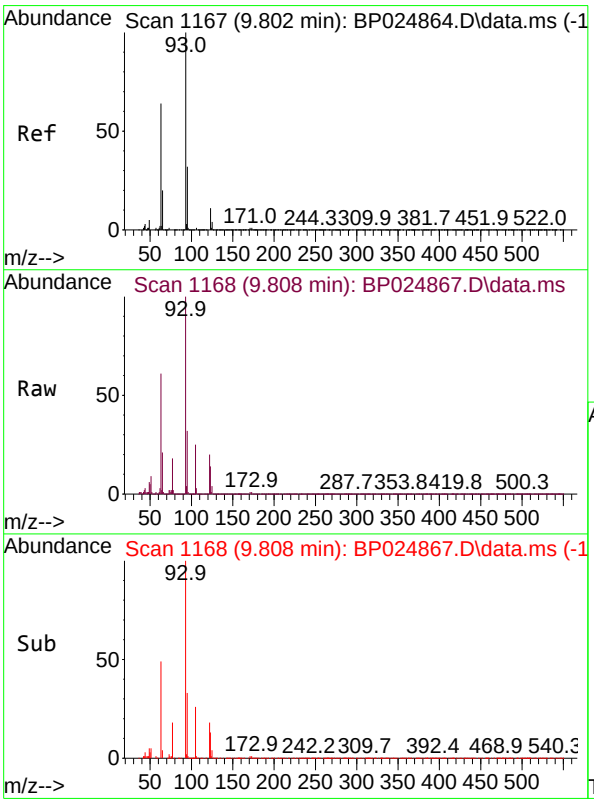
#27
2,4-Dimethylphenol
Concen: 82.403 ng
RT: 9.584 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 1396457

Ion	Ratio	Lower	Upper
122	100		
107	117.5	96.2	144.4
121	58.8	47.0	70.4

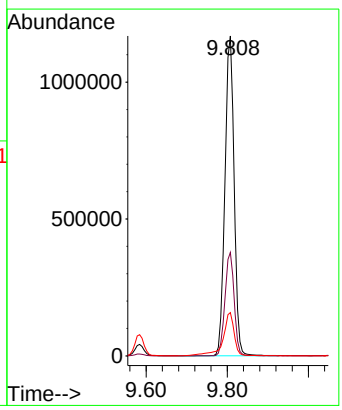


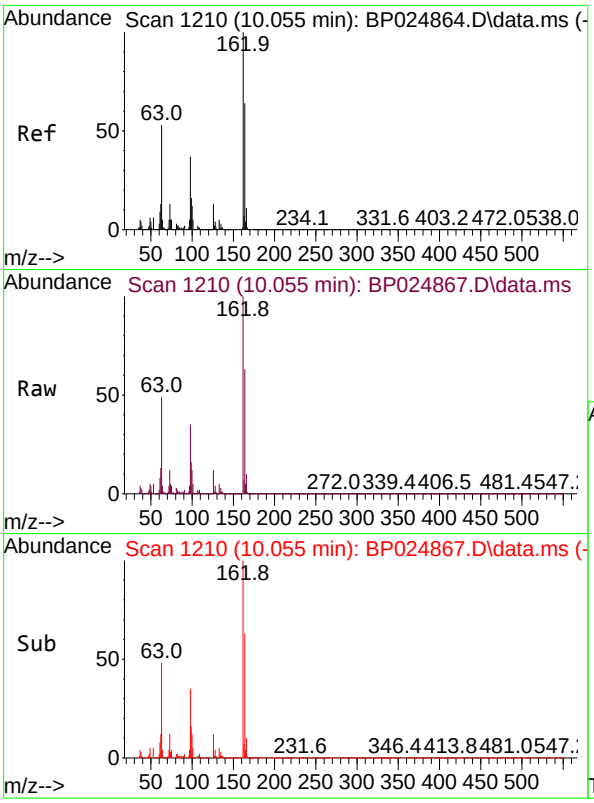


#28
bis(2-Chloroethoxy)methane
Concen: 78.289 ng
RT: 9.808 min Scan# 1168
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion: 93 Resp: 1828377

Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.5	38.3
123	13.5	9.2	13.8



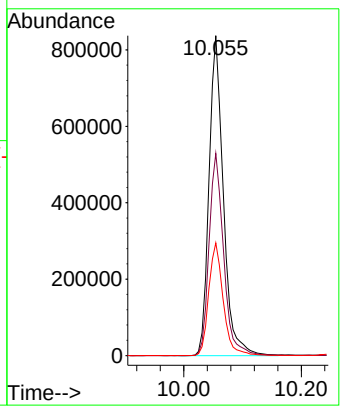


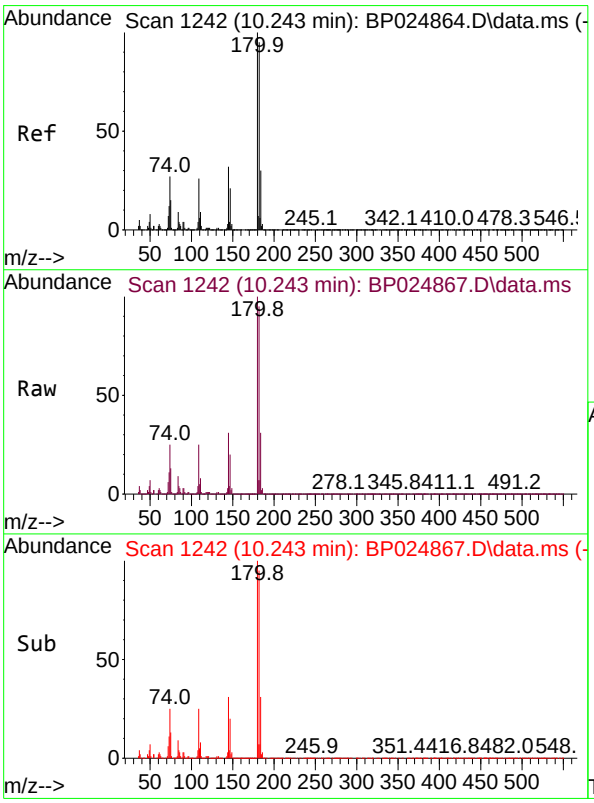
#29
2,4-Dichlorophenol
Concen: 87.313 ng
RT: 10.055 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 1419757

Ion	Ratio	Lower	Upper
162	100		
164	63.2	44.0	84.0
98	35.2	16.9	56.9

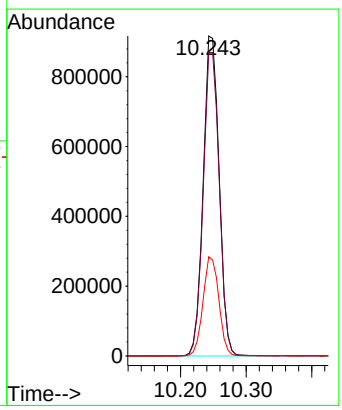


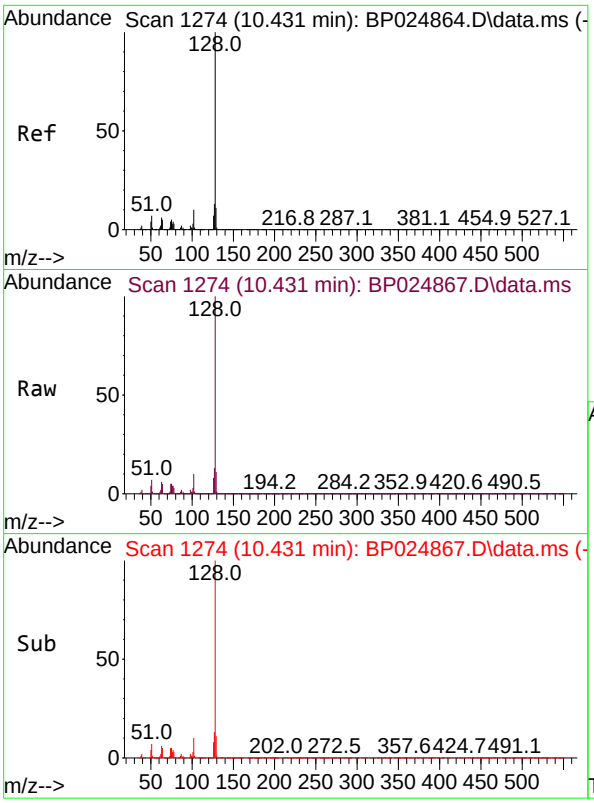


#30
1,2,4-Trichlorobenzene
Concen: 84.080 ng
RT: 10.243 min Scan# 1242
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:180 Resp: 1542041

Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.8	113.6
145	31.0	25.7	38.5



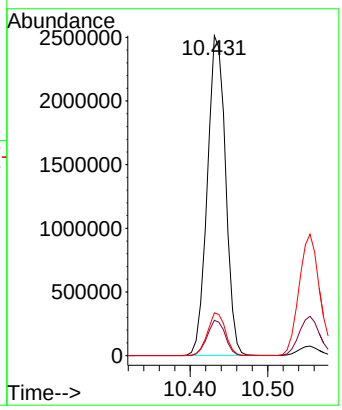


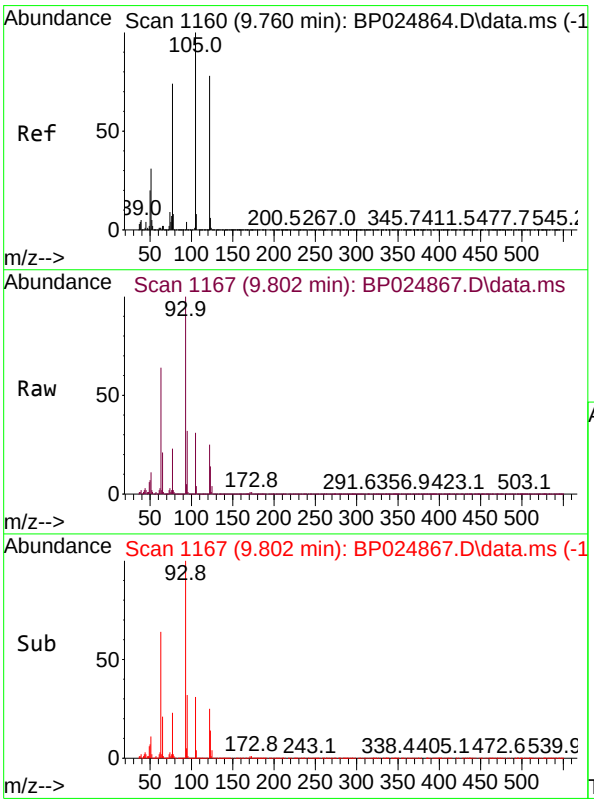
#31
Naphthalene
Concen: 72.957 ng
RT: 10.431 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:128 Resp: 4104122

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	13.4	10.7	16.1

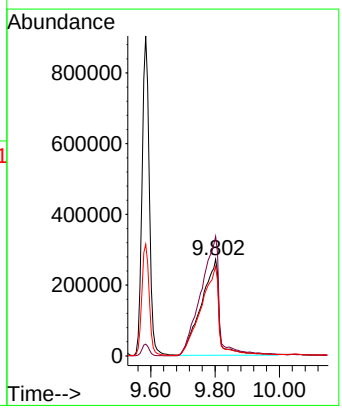


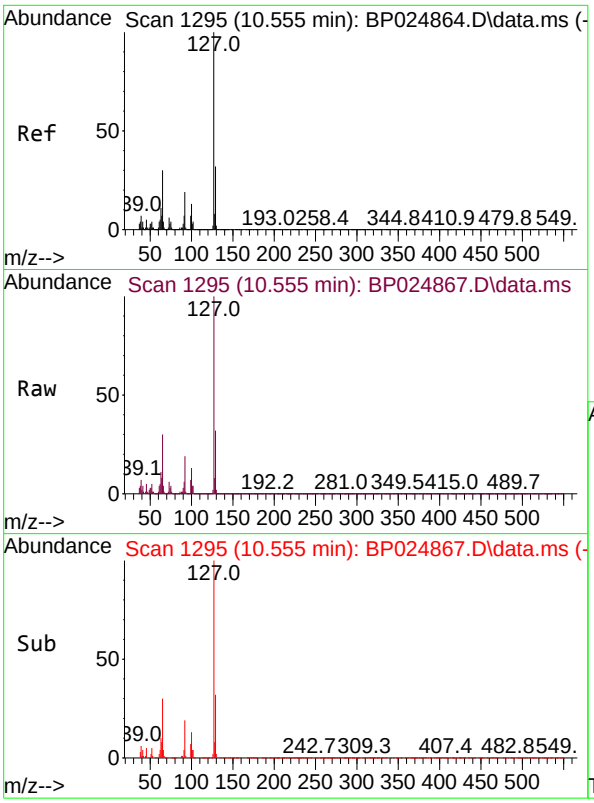


#32
Benzoic acid
Concen: 94.314 ng
RT: 9.802 min Scan# 1167
Delta R.T. 0.041 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:122 Resp: 1065621

Ion	Ratio	Lower	Upper
122	100		
105	123.9	107.1	147.1
77	92.6	75.1	115.1



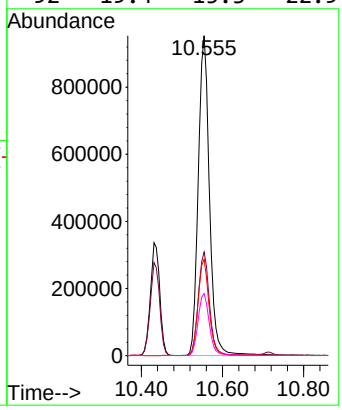


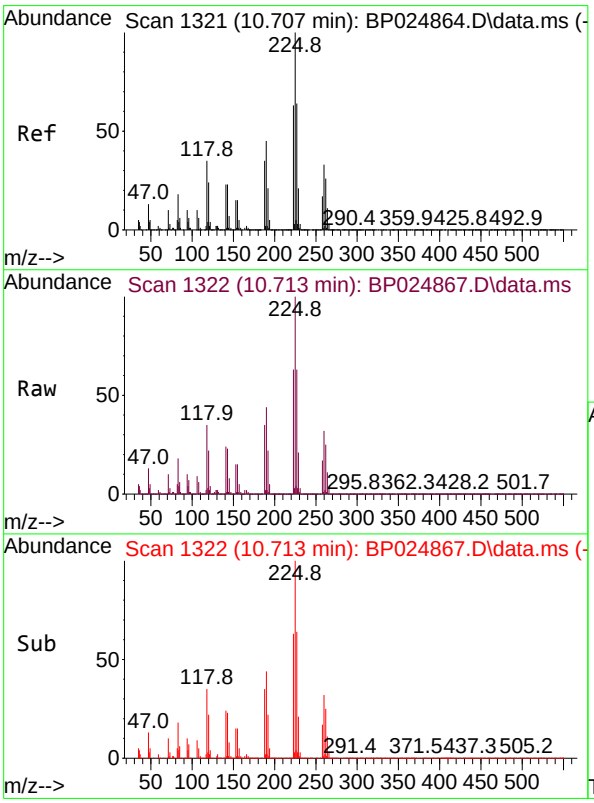
#33
4-Chloroaniline
Concen: 77.087 ng
RT: 10.555 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:127 Resp: 1816811

Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.9	38.9
65	30.1	23.9	35.9
92	19.4	15.3	22.9

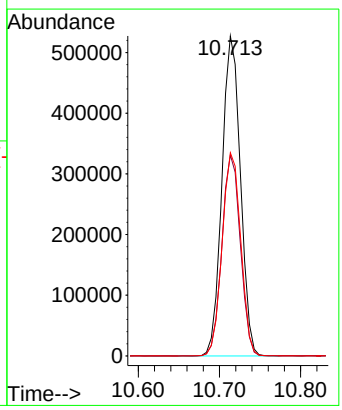


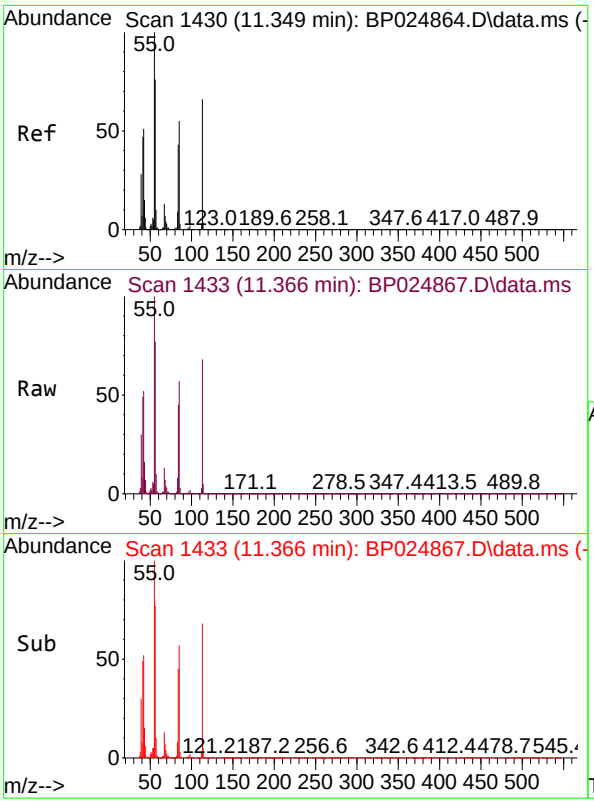


#34
Hexachlorobutadiene
Concen: 75.174 ng
RT: 10.713 min Scan# 1322
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:225 Resp: 830962

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.5	75.7
227	63.5	51.4	77.2



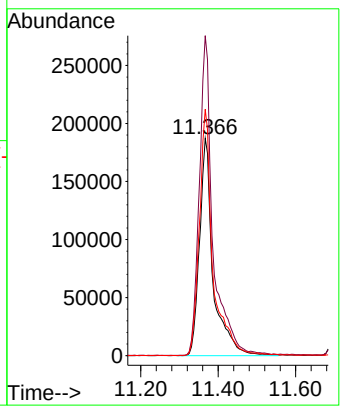


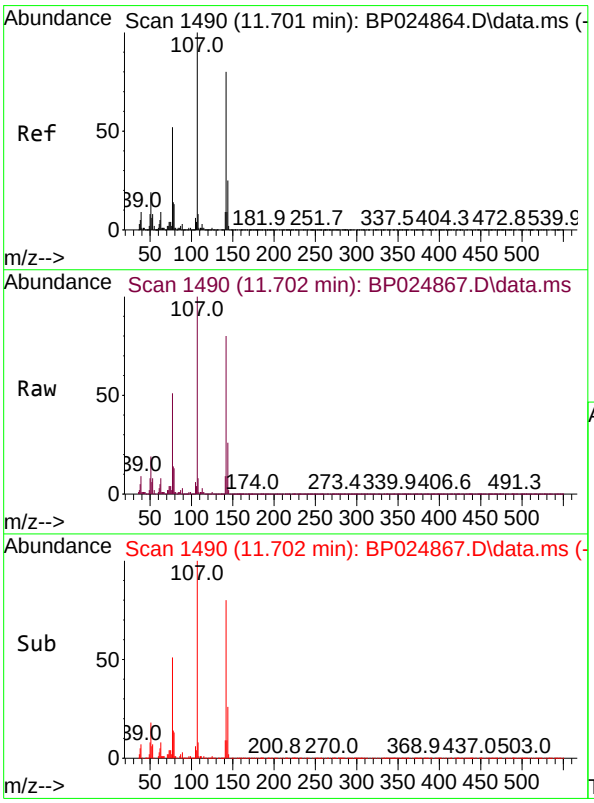
#35
Caprolactam
Concen: 76.358 ng
RT: 11.366 min Scan# 14
Delta R.T. 0.018 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:113 Resp: 457044

Ion	Ratio	Lower	Upper
113	100		
55	147.3	132.5	172.5
56	113.4	96.0	136.0

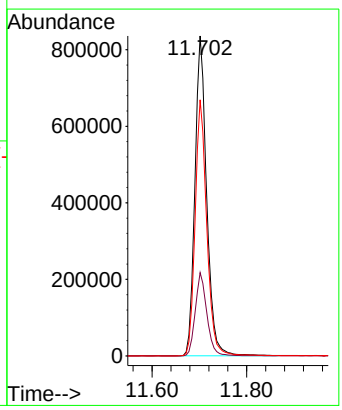


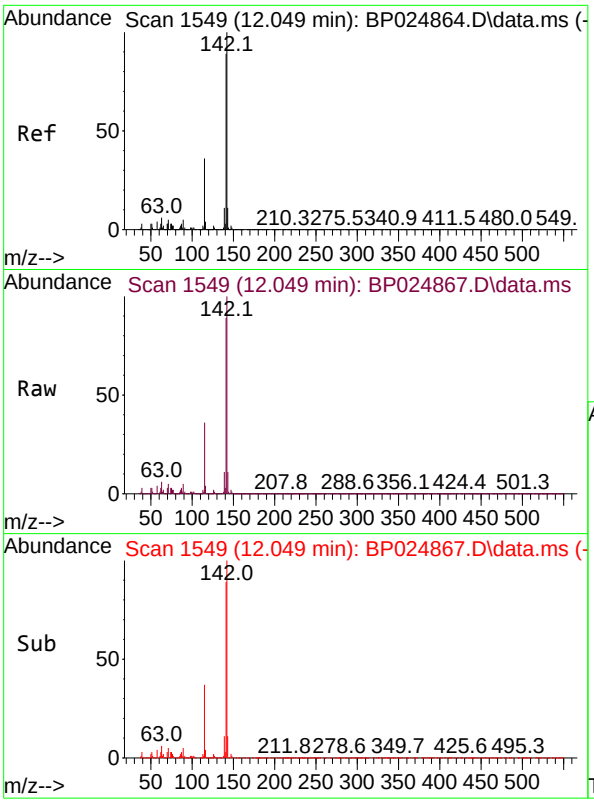


#36
4-Chloro-3-methylphenol
Concen: 76.925 ng
RT: 11.702 min Scan# 1490
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:107 Resp: 1442747

Ion	Ratio	Lower	Upper
107	100		
144	26.0	20.4	30.6
142	80.0	63.8	95.6



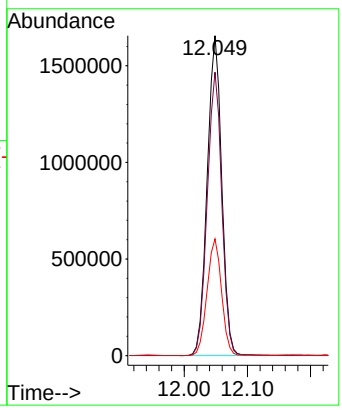


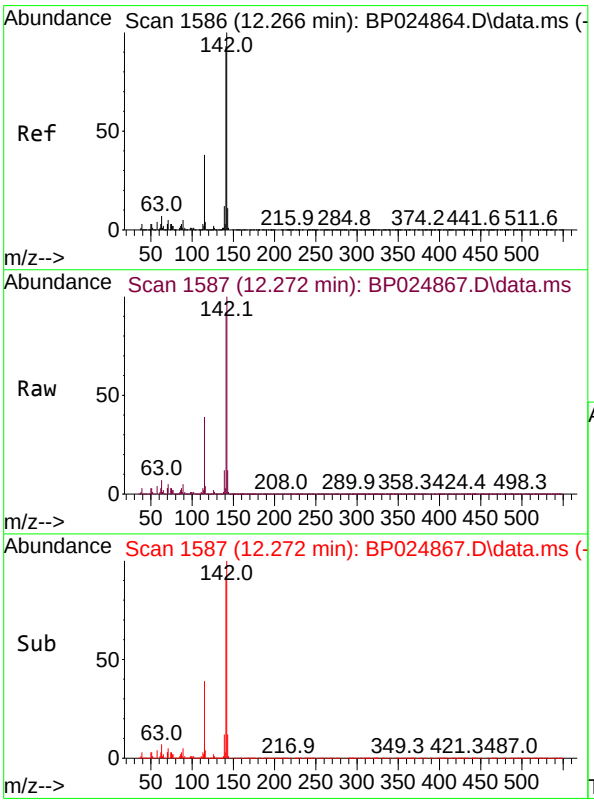
#37
2-Methylnaphthalene
Concen: 74.062 ng
RT: 12.049 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 2642800

Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.2	106.8
115	36.5	28.5	42.7

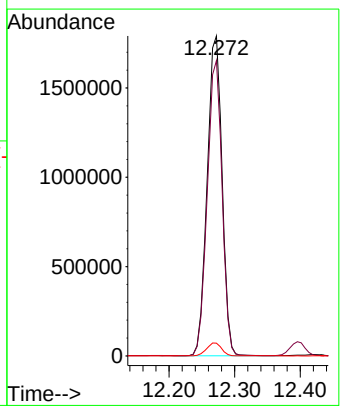


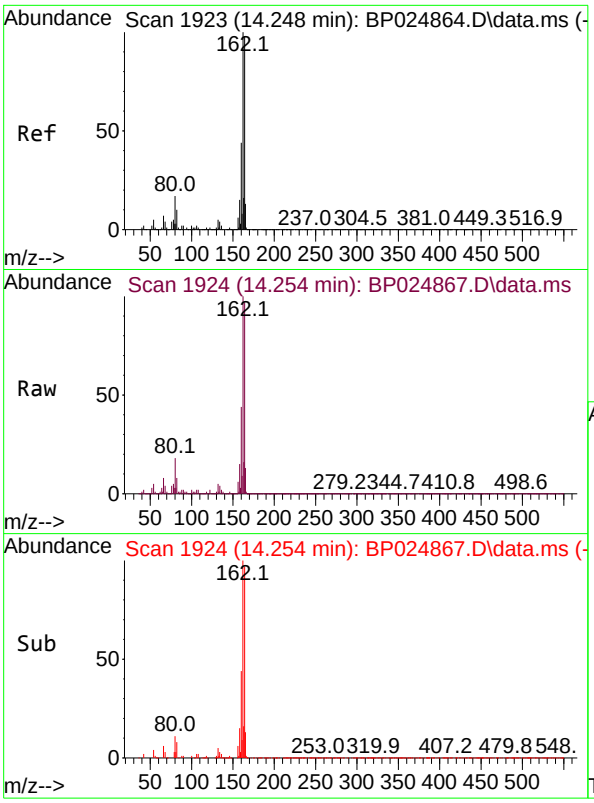


#38
1-Methylnaphthalene
Concen: 73.955 ng
RT: 12.272 min Scan# 1587
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:142 Resp: 2821350

Ion	Ratio	Lower	Upper
142	100		
141	92.3	74.7	112.1
116	4.0	3.4	5.0



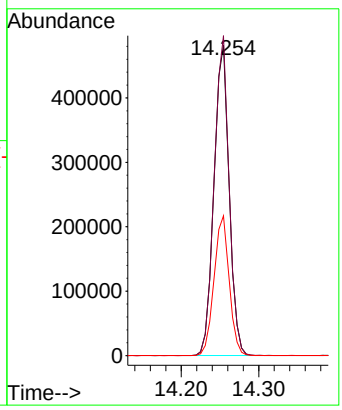


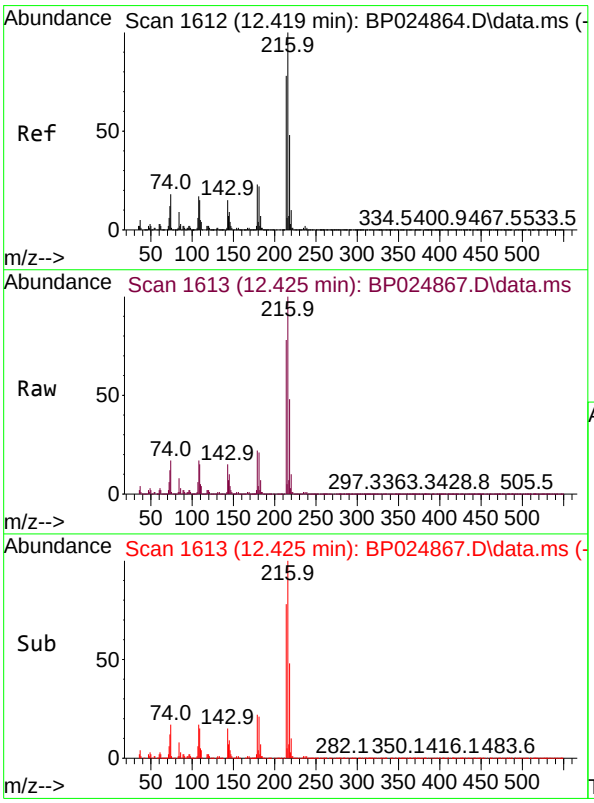
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.254 min Scan# 19
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:164 Resp: 655445

Ion	Ratio	Lower	Upper
164	100		
162	103.0	81.6	122.4
160	45.0	36.2	54.2

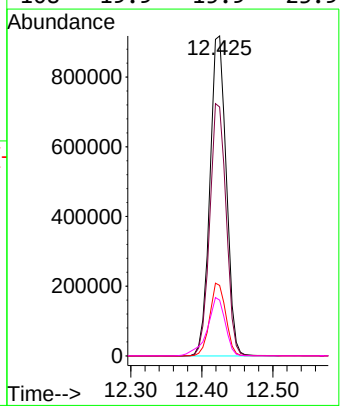


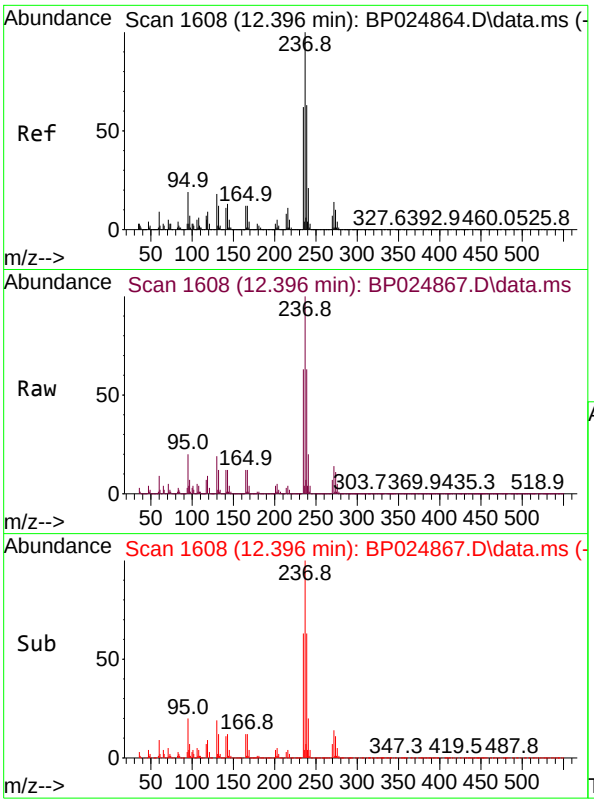


#40
1,2,4,5-Tetrachlorobenzene
Concen: 79.160 ng
RT: 12.425 min Scan# 1613
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:216 Resp: 1472269

Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.0	94.4
179	22.3	17.8	26.6
108	19.9	15.9	23.9



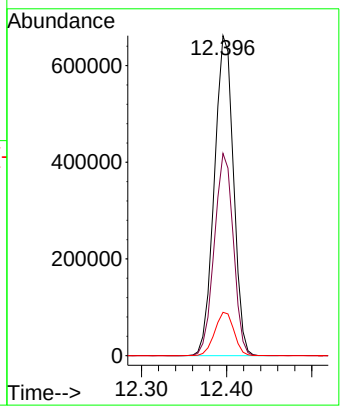


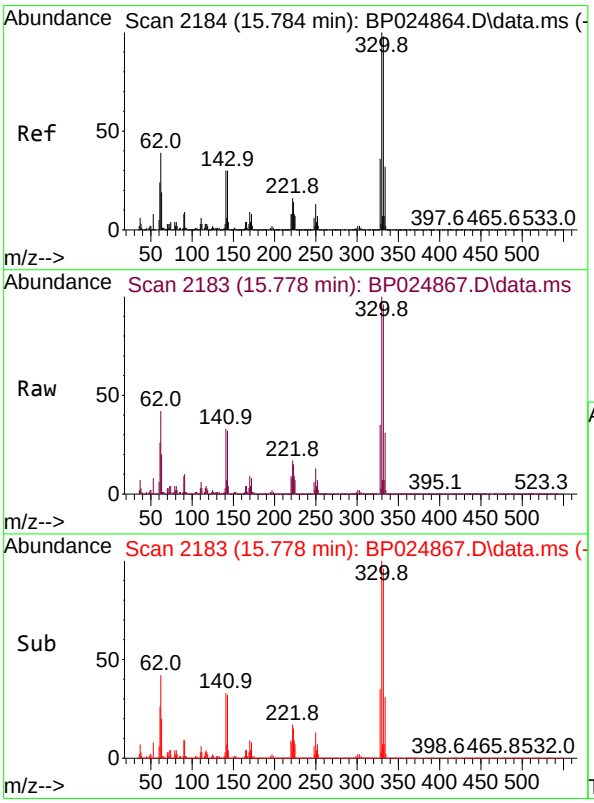
#41
Hexachlorocyclopentadiene
Concen: 90.970 ng
RT: 12.396 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:237 Resp: 1031961

Ion	Ratio	Lower	Upper
237	100		
235	63.2	41.9	81.9
272	13.5	0.0	33.7

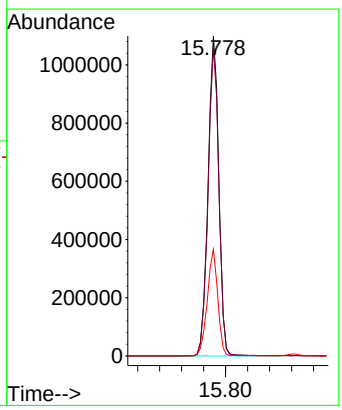


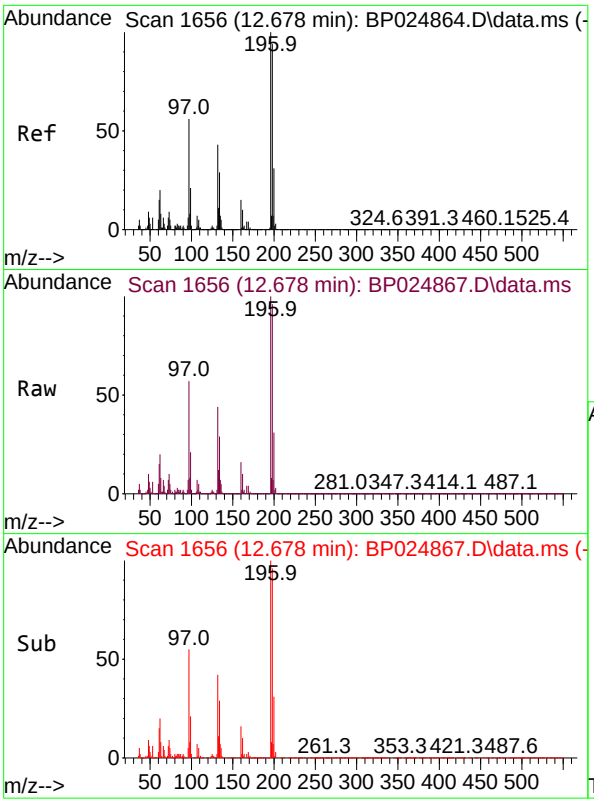


#42
2,4,6-Tribromophenol
Concen: 164.916 ng
RT: 15.778 min Scan# 2183
Delta R.T. -0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:330 Resp: 1494447

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.7	116.5
141	32.5	26.4	39.6



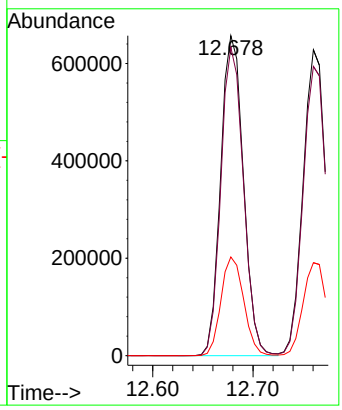


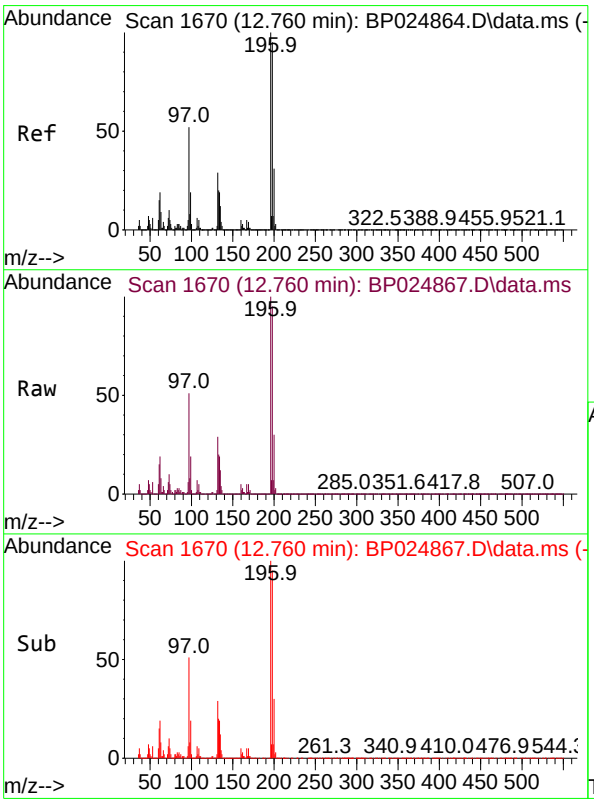
#43
2,4,6-Trichlorophenol
Concen: 83.186 ng
RT: 12.678 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:196 Resp: 1039009

Ion	Ratio	Lower	Upper
196	100		
198	96.3	75.4	113.0
200	30.8	24.4	36.6

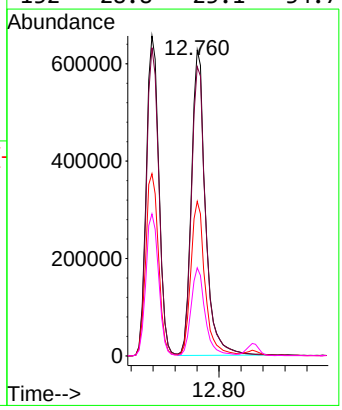


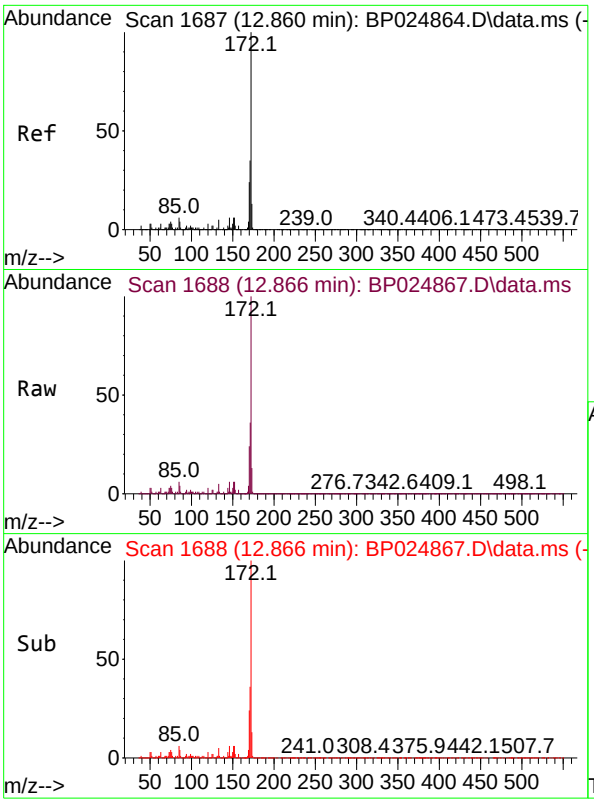


#44
2,4,5-Trichlorophenol
Concen: 83.507 ng
RT: 12.760 min Scan# 1670
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:196 Resp: 1117015

Ion	Ratio	Lower	Upper
196	100		
198	94.6	76.0	114.0
97	50.5	41.5	62.3
132	28.8	23.1	34.7



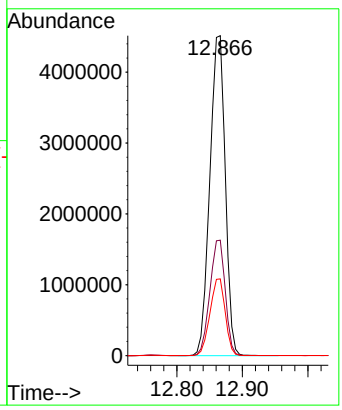


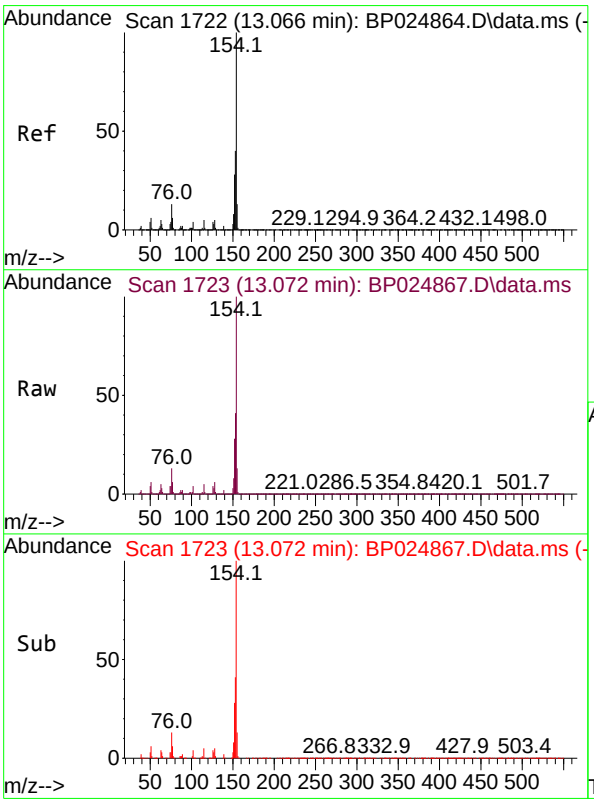
#45
2-Fluorobiphenyl
Concen: 151.825 ng
RT: 12.866 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:172 Resp: 7387084

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.3	42.5
170	24.0	19.0	28.4

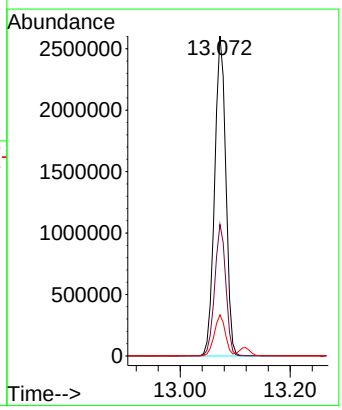


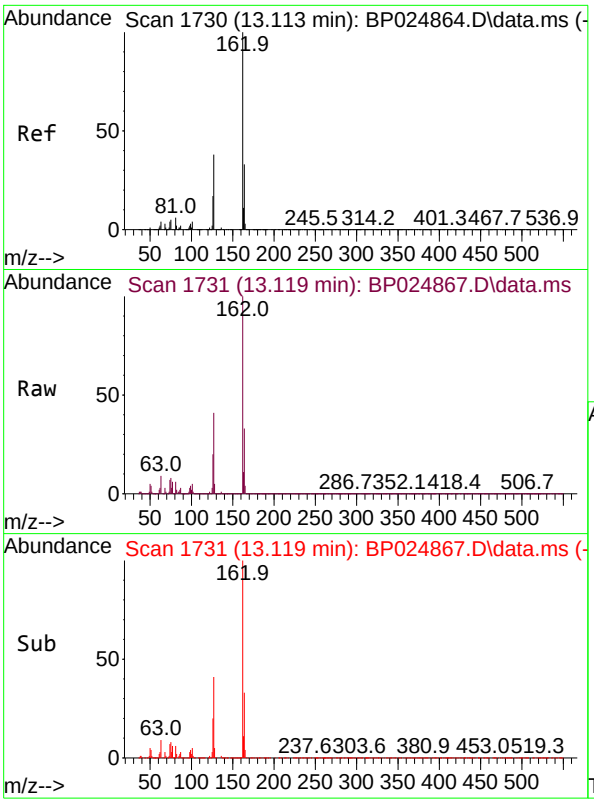


#46
1,1'-Biphenyl
Concen: 77.223 ng
RT: 13.072 min Scan# 1723
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:154 Resp: 3678354

Ion	Ratio	Lower	Upper
154	100		
153	41.1	20.3	60.3
76	12.8	0.0	33.0



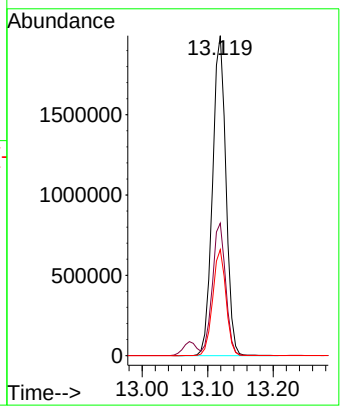


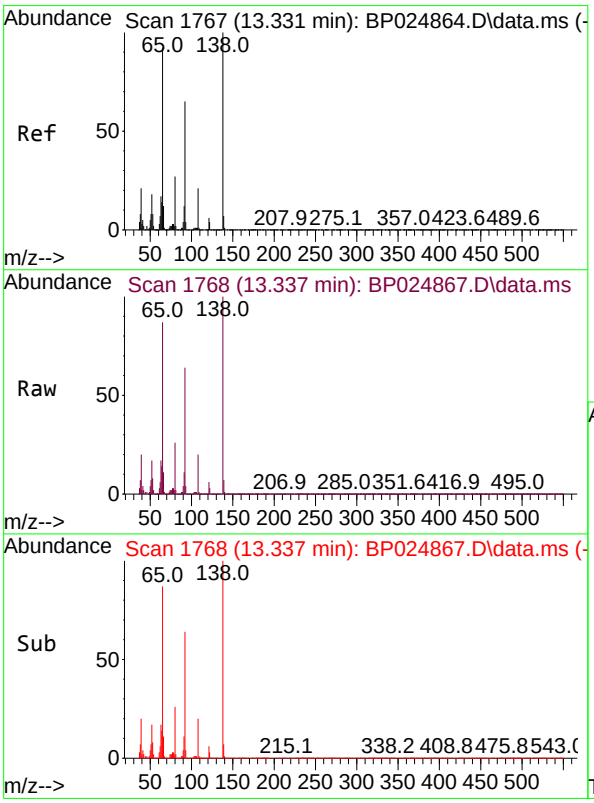
#47
2-Chloronaphthalene
Concen: 77.428 ng
RT: 13.119 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 2834595

Ion	Ratio	Lower	Upper
162	100		
127	41.4	32.5	48.7
164	33.1	26.2	39.2

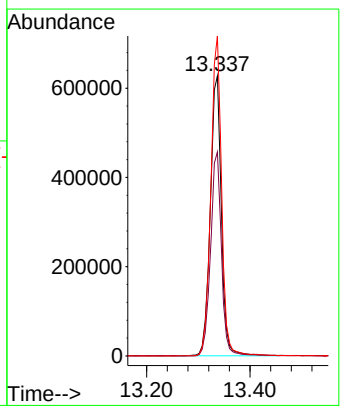


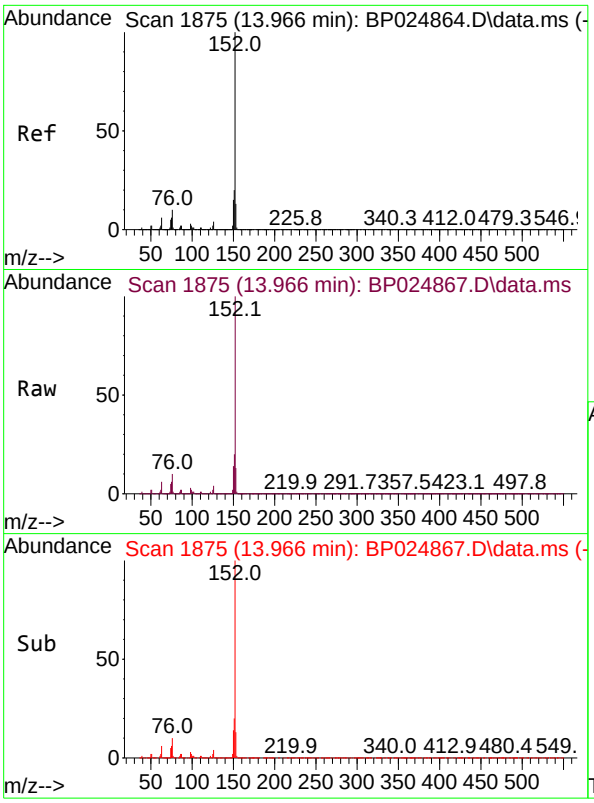


#48
2-Nitroaniline
Concen: 82.685 ng
RT: 13.337 min Scan# 1768
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion: 65 Resp: 930628

Ion	Ratio	Lower	Upper
65	100		
92	72.9	56.8	85.2
138	114.3	86.9	130.3



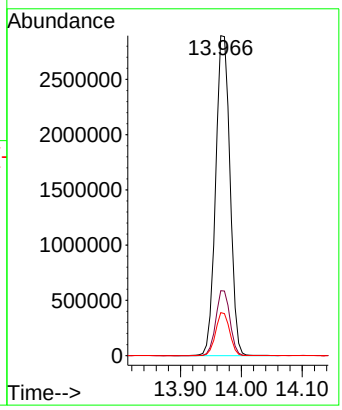


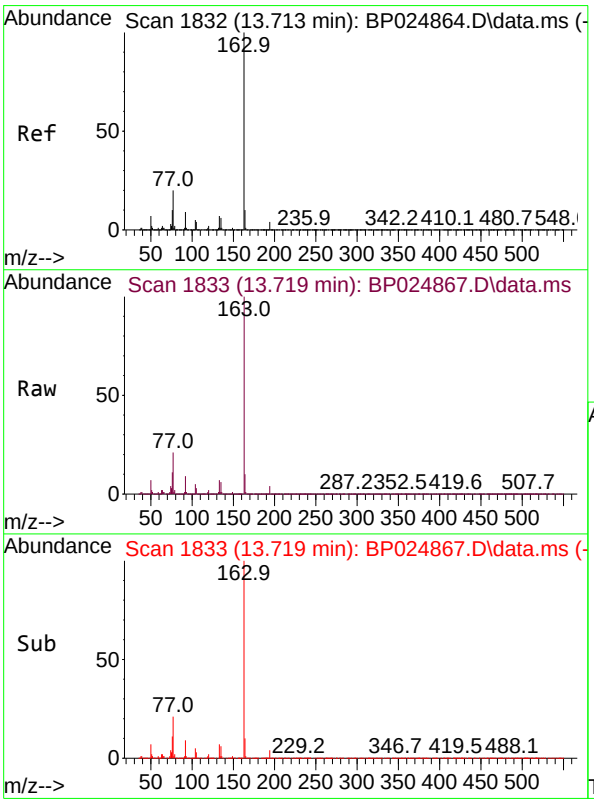
#49
Acenaphthylene
Concen: 77.508 ng
RT: 13.966 min Scan# 18
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 4731215

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	13.4	10.6	15.8

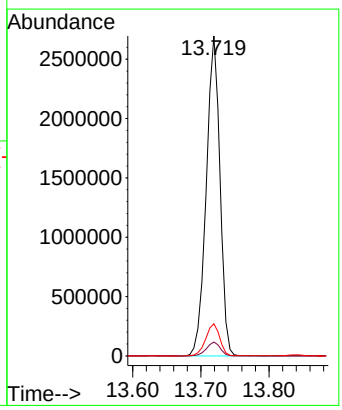


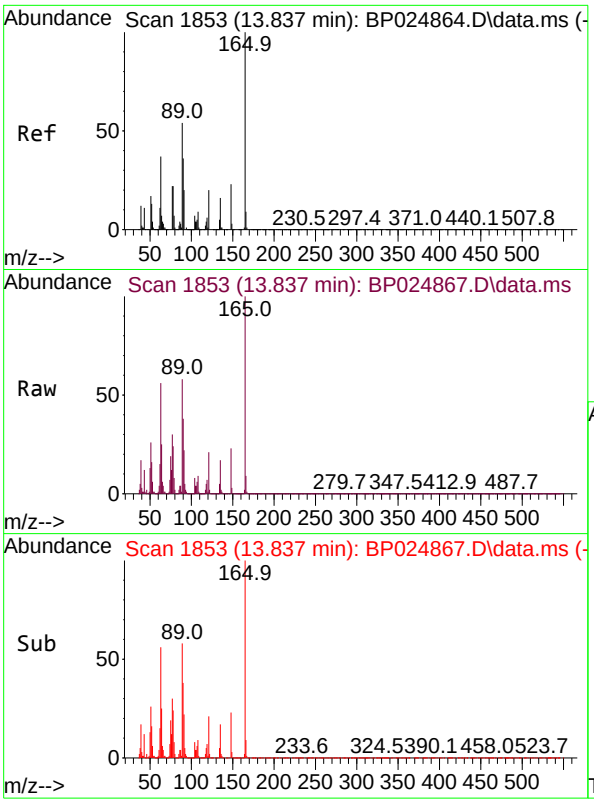


#50
Dimethylphthalate
Concen: 77.959 ng
RT: 13.719 min Scan# 1833
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:163 Resp: 3769405

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.0
164	10.0	8.0	12.0



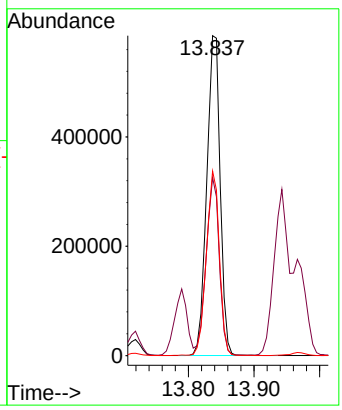


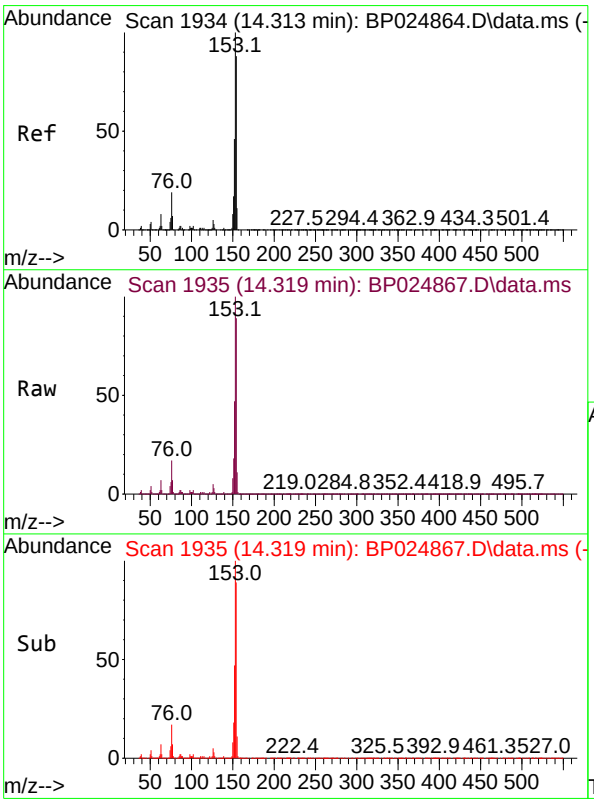
#51
2,6-Dinitrotoluene
Concen: 79.625 ng
RT: 13.837 min Scan# 18
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 829970

Ion	Ratio	Lower	Upper
165	100		
63	55.6	41.8	62.8
89	57.7	43.1	64.7

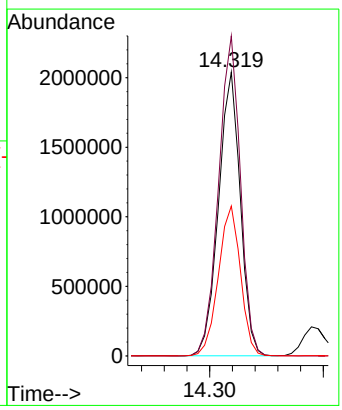


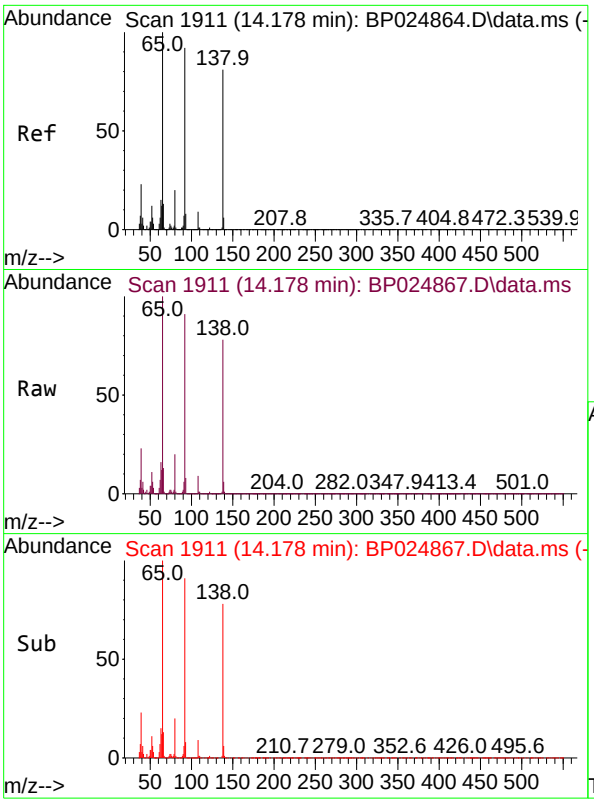


#52
Acenaphthene
Concen: 77.638 ng
RT: 14.319 min Scan# 1935
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:154 Resp: 2715693

Ion	Ratio	Lower	Upper
154	100		
153	112.7	90.5	135.7
152	52.8	42.1	63.1



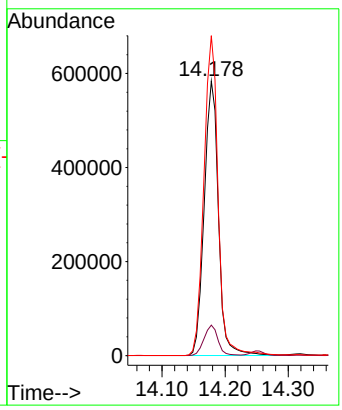


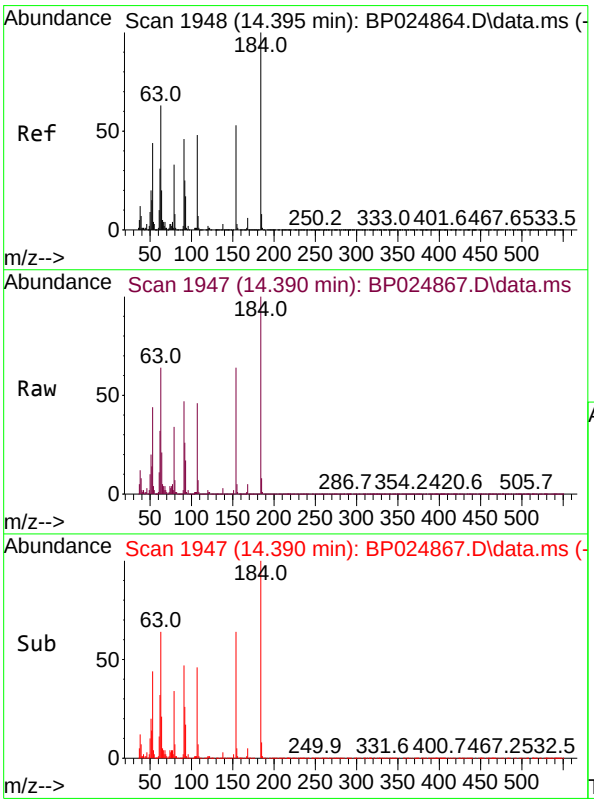
#53
3-Nitroaniline
Concen: 84.530 ng
RT: 14.178 min Scan# 19
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 914372

Ion	Ratio	Lower	Upper
138	100		
108	11.1	8.6	12.8
92	116.5	91.3	136.9

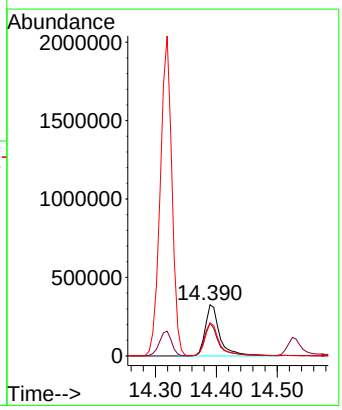


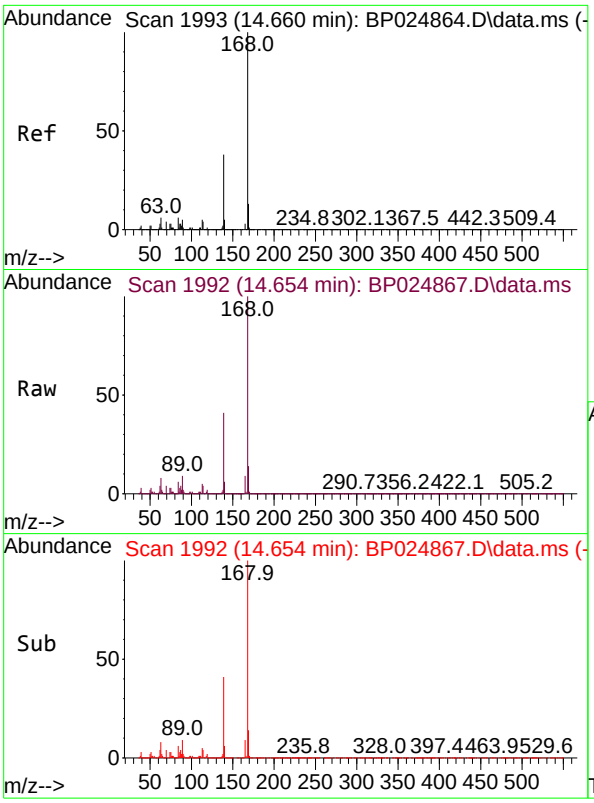


#54
2,4-Dinitrophenol
Concen: 79.298 ng
RT: 14.390 min Scan# 1947
Delta R.T. -0.005 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:184 Resp: 537870

Ion	Ratio	Lower	Upper
184	100		
63	64.4	51.0	76.4
154	64.2	51.7	77.5



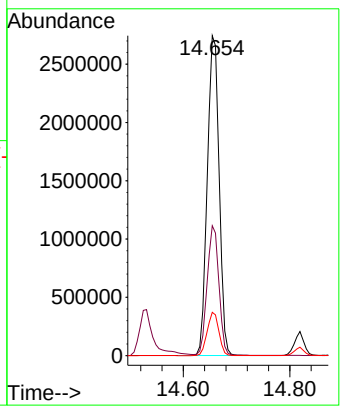


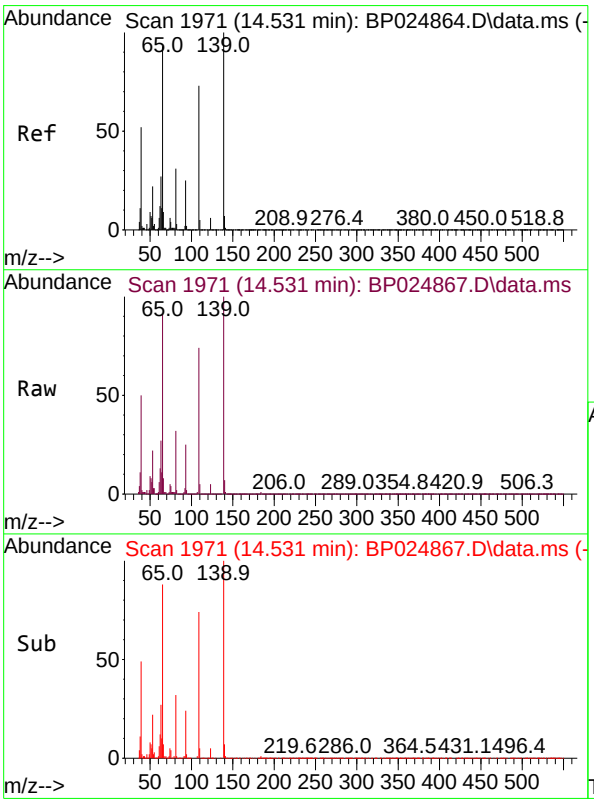
#55
Dibenzofuran
Concen: 75.424 ng
RT: 14.654 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:168 Resp: 4234879

Ion	Ratio	Lower	Upper
168	100		
139	40.6	31.6	47.4
169	13.5	10.6	15.8

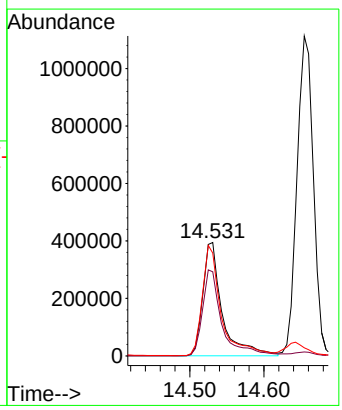


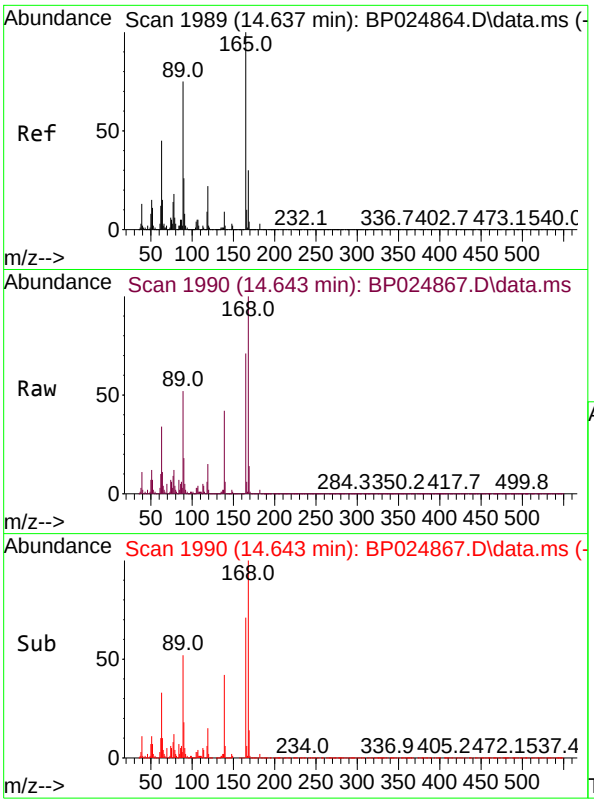


#56
4-Nitrophenol
Concen: 78.739 ng
RT: 14.531 min Scan# 1971
Delta R.T. -0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:139 Resp: 720226

Ion	Ratio	Lower	Upper
139	100		
109	74.3	53.1	93.1
65	90.8	73.0	113.0



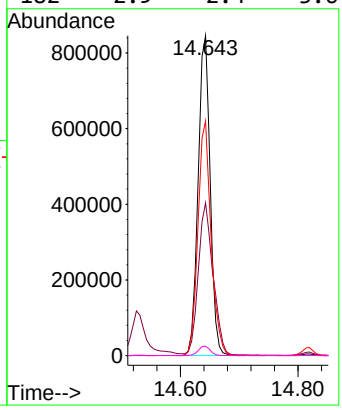


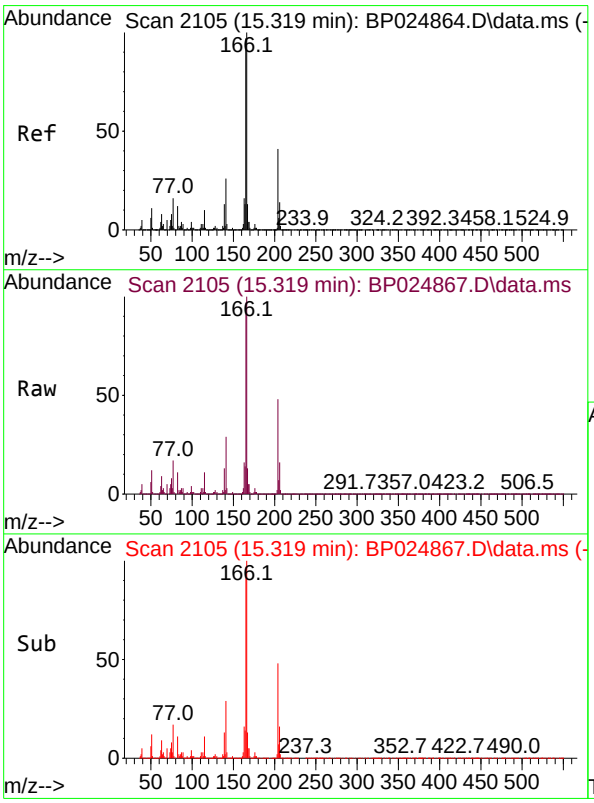
#57
2,4-Dinitrotoluene
Concen: 82.341 ng
RT: 14.643 min Scan# 19
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 1200593

Ion	Ratio	Lower	Upper
165	100		
63	47.7	37.0	55.6
89	73.3	60.1	90.1
182	2.9	2.4	3.6

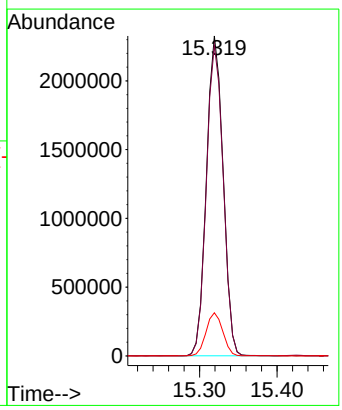


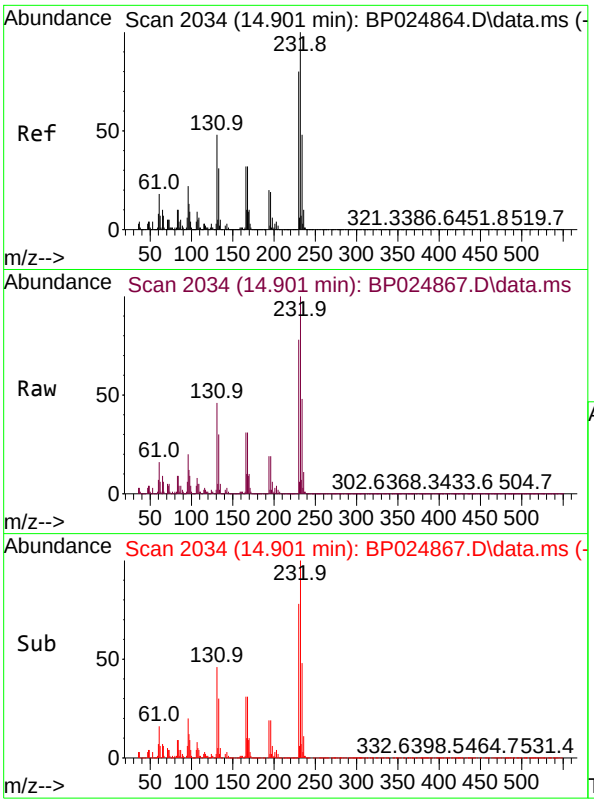


#58
Fluorene
Concen: 76.824 ng
RT: 15.319 min Scan# 2105
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:166 Resp: 3484502

Ion	Ratio	Lower	Upper
166	100		
165	97.1	77.7	116.5
167	13.5	10.6	16.0



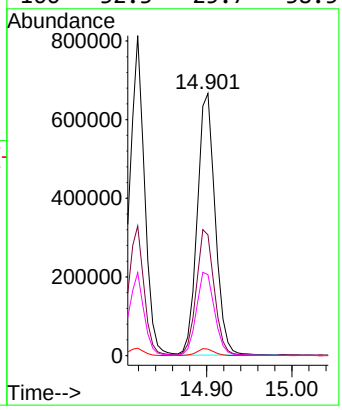


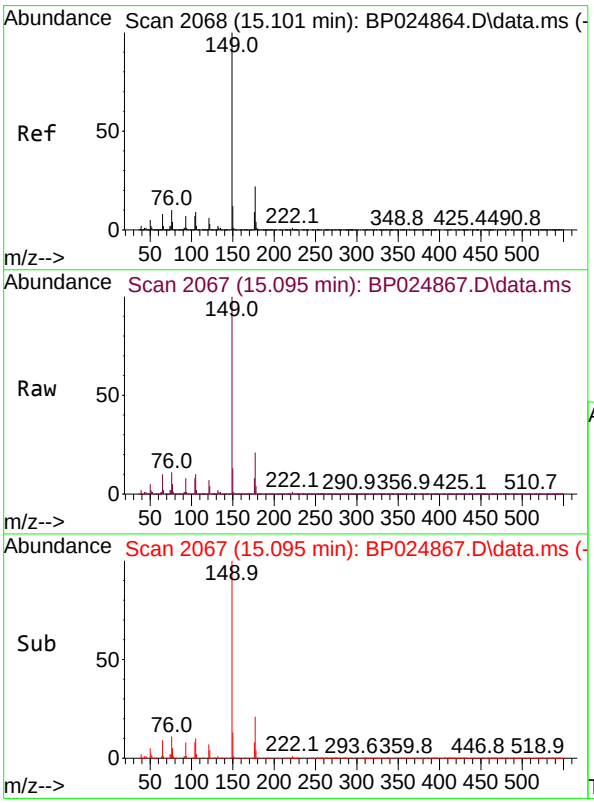
#59
2,3,4,6-Tetrachlorophenol
Concen: 81.077 ng
RT: 14.901 min Scan# 20
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:232 Resp: 970694

Ion	Ratio	Lower	Upper
232	100		
131	48.0	38.2	57.2
130	2.6	2.1	3.1
166	32.3	25.7	38.5

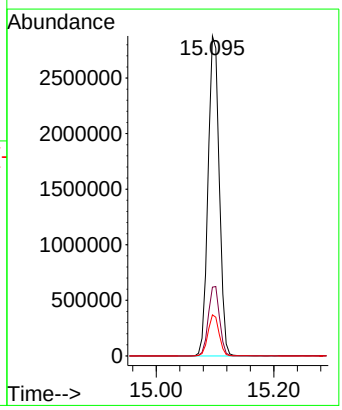


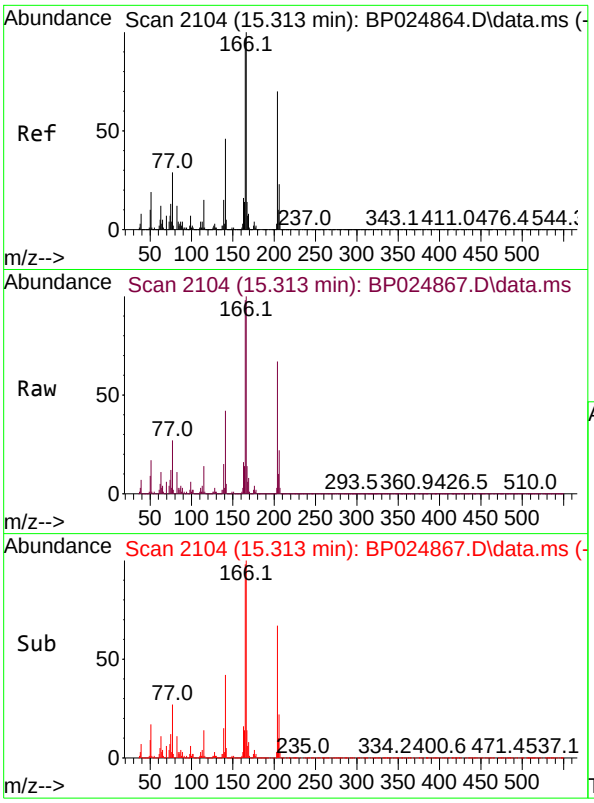


#60
Diethylphthalate
Concen: 78.844 ng
RT: 15.095 min Scan# 2067
Delta R.T. -0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:149 Resp: 3799279

Ion	Ratio	Lower	Upper
149	100		
177	21.5	17.9	26.9
150	12.8	9.8	14.6



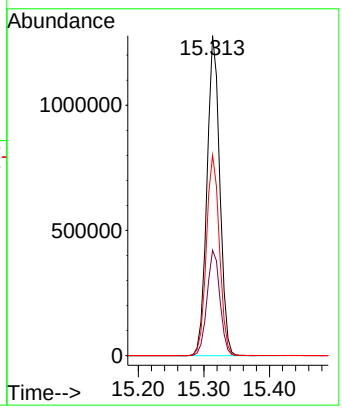


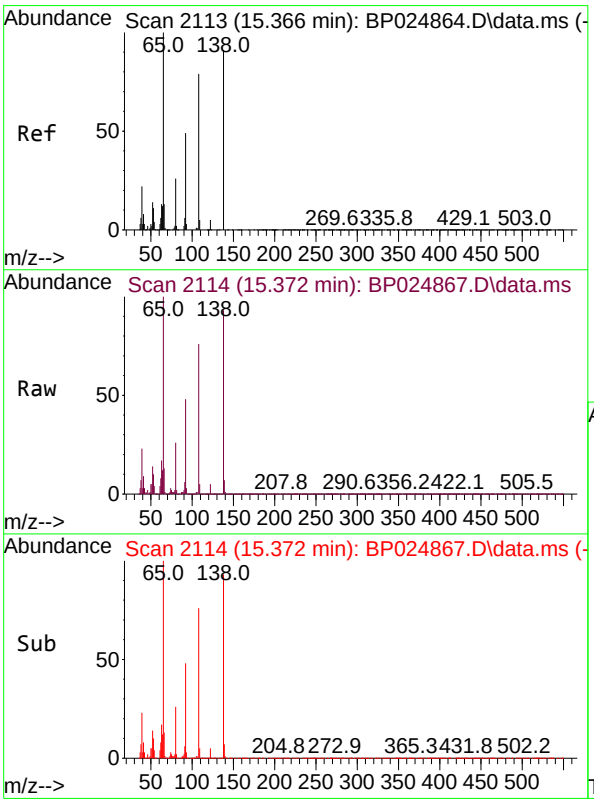
#61
4-Chlorophenyl-phenylether
Concen: 77.784 ng
RT: 15.313 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:204 Resp: 1725059

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.6	40.0
141	62.6	52.4	78.6

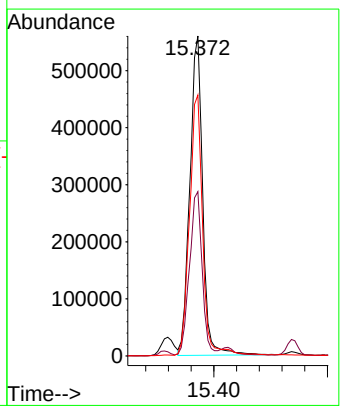


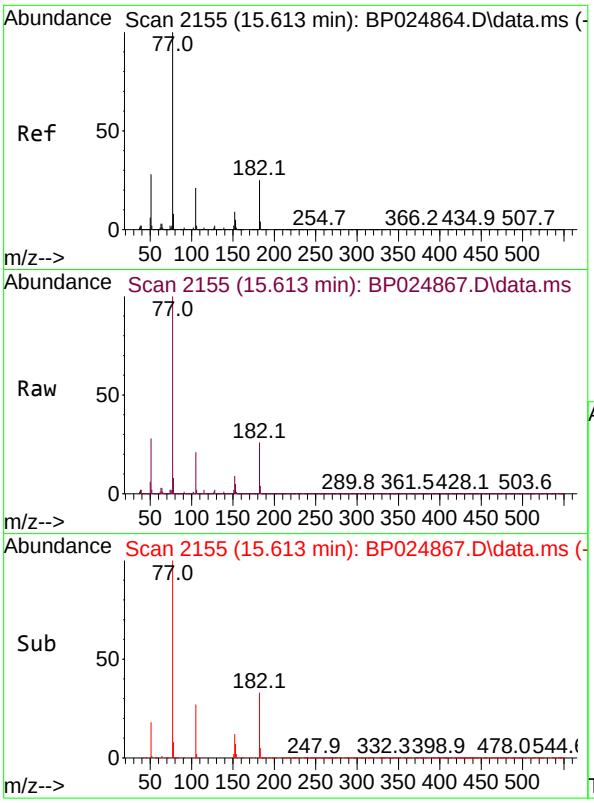


#62
4-Nitroaniline
Concen: 89.199 ng
RT: 15.372 min Scan# 2114
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:138 Resp: 875375

Ion	Ratio	Lower	Upper
138	100		
92	51.3	33.5	73.5
108	81.5	65.1	105.1



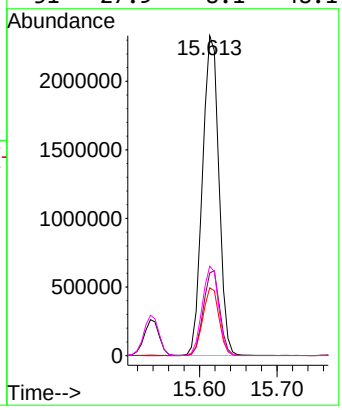


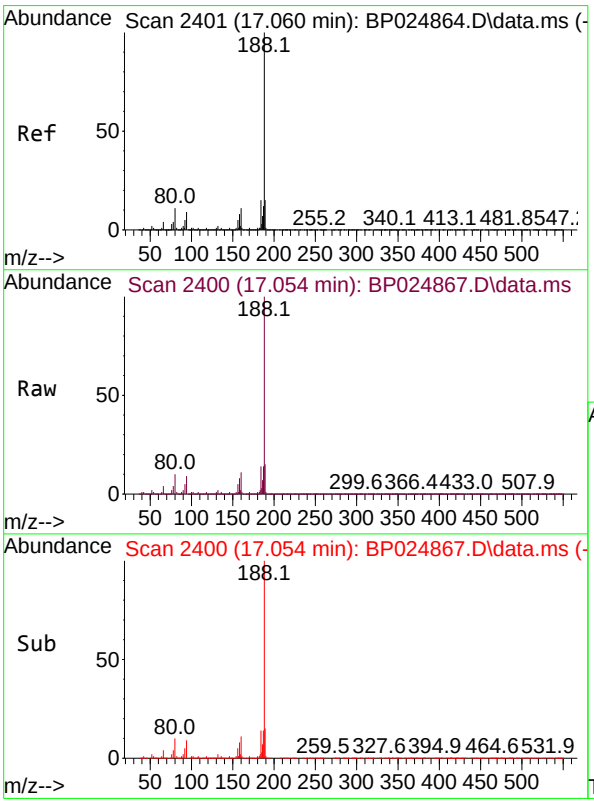
#63
Azobenzene
Concen: 77.538 ng
RT: 15.613 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 3426736

Ion	Ratio	Lower	Upper
77	100		
182	25.8	5.4	45.4
105	21.2	0.8	40.8
51	27.9	8.1	48.1

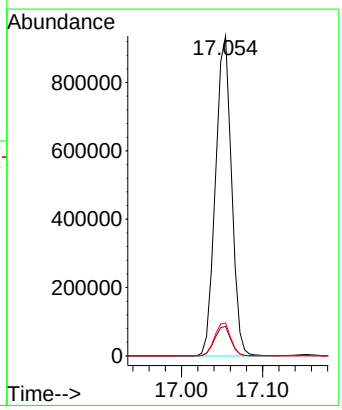


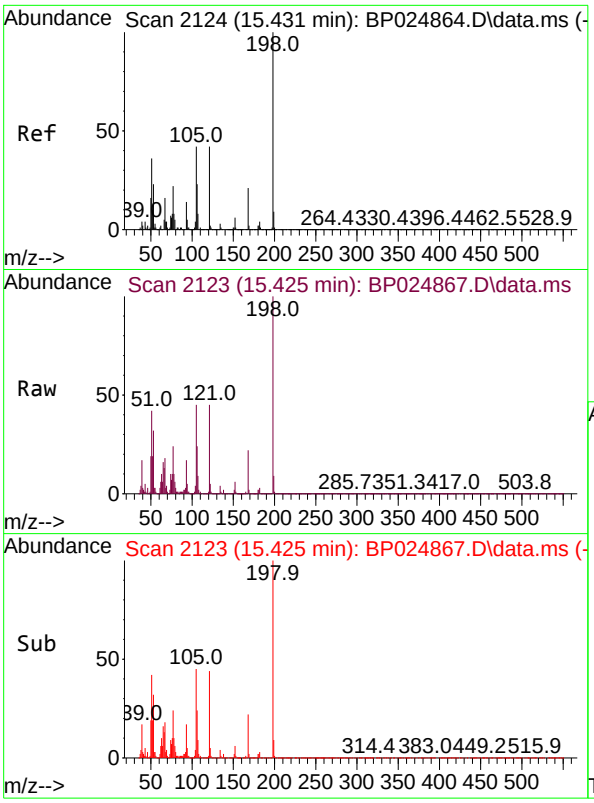


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.054 min Scan# 2400
Delta R.T. -0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:188 Resp: 1282325

Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.3	10.9
80	10.3	8.5	12.7



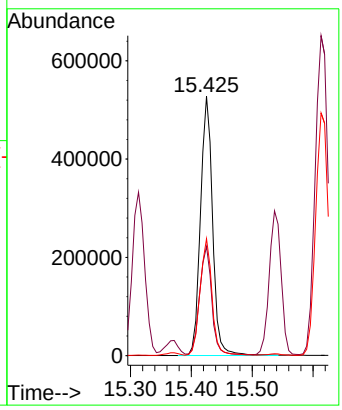


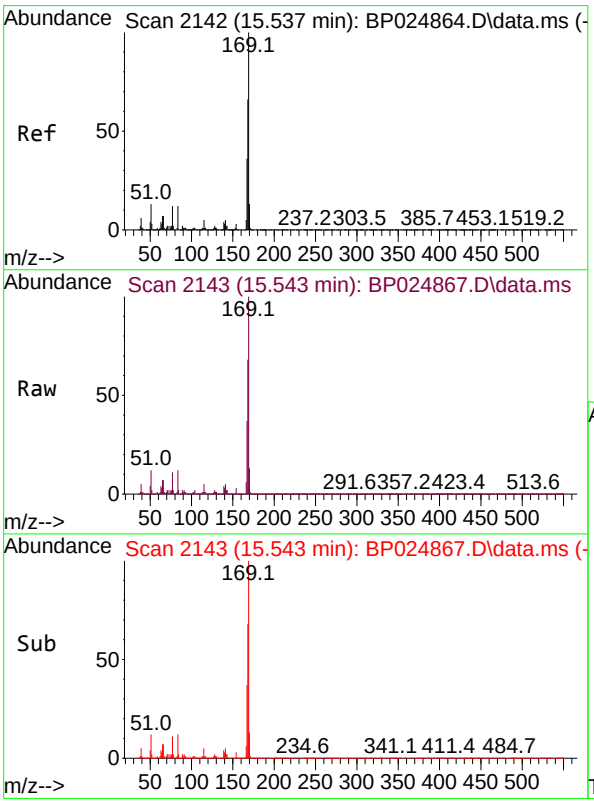
#65
4,6-Dinitro-2-methylphenol
Concen: 86.490 ng
RT: 15.425 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:198 Resp: 728771

Ion	Ratio	Lower	Upper
198	100		
51	42.1	19.2	59.2
105	45.1	22.6	62.6

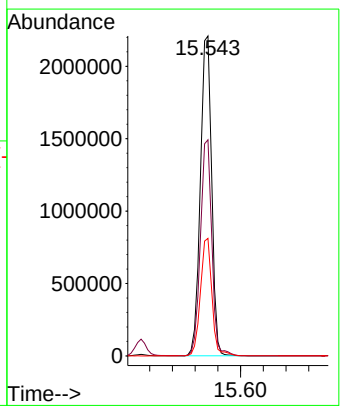


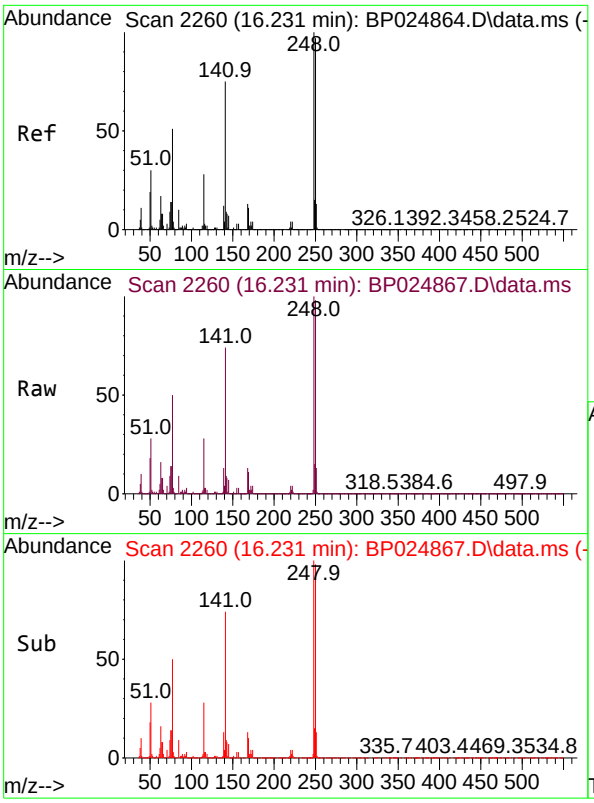


#66
n-Nitrosodiphenylamine
Concen: 76.603 ng
RT: 15.543 min Scan# 2143
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:169 Resp: 3044661

Ion	Ratio	Lower	Upper
169	100		
168	67.5	53.0	79.6
167	36.7	28.6	43.0



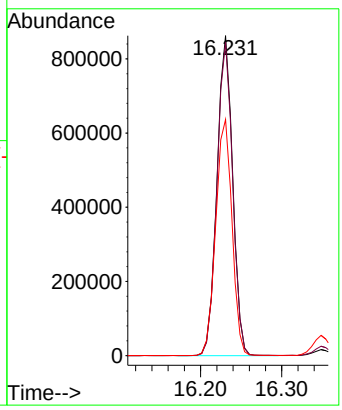


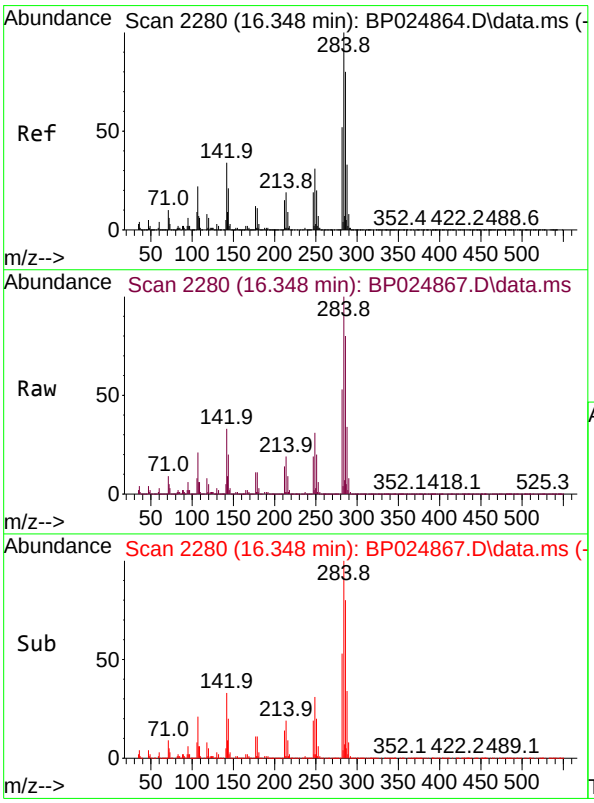
#67
4-Bromophenyl-phenylether
Concen: 80.026 ng
RT: 16.231 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:248 Resp: 1157878

Ion	Ratio	Lower	Upper
248	100		
250	97.8	77.4	116.2
141	73.8	59.9	89.9

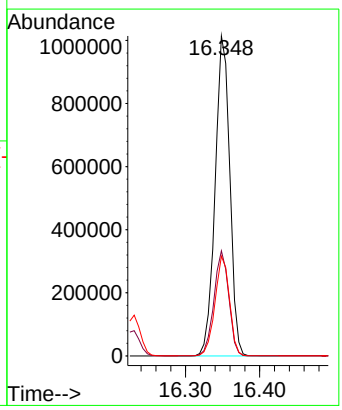


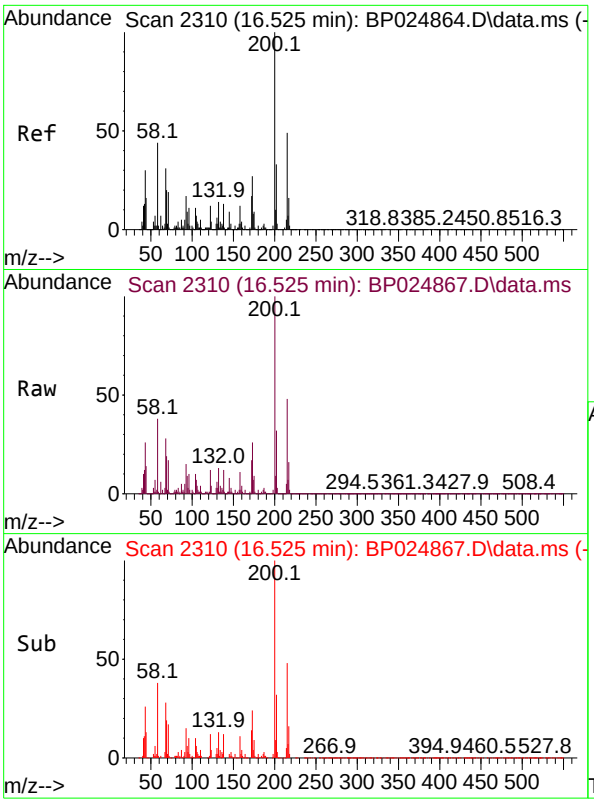


#68
Hexachlorobenzene
Concen: 79.535 ng
RT: 16.348 min Scan# 2280
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:284 Resp: 1395074

Ion	Ratio	Lower	Upper
284	100		
142	32.8	27.0	40.6
249	31.2	25.0	37.6



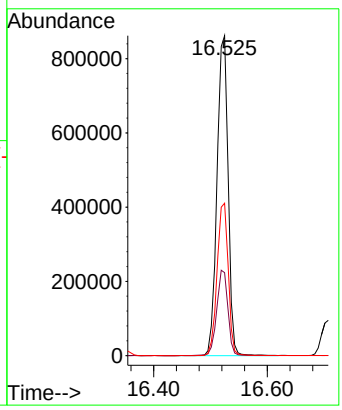


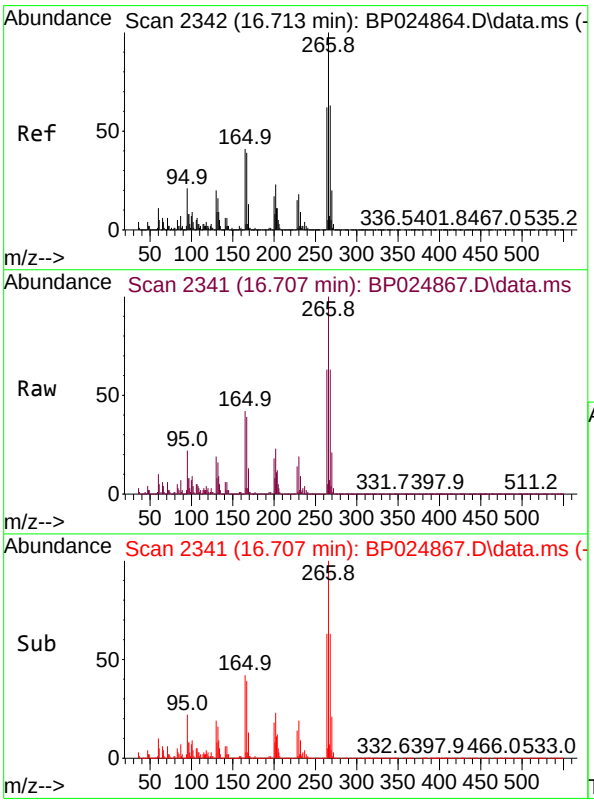
#69
Atrazine
Concen: 81.114 ng
RT: 16.525 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:200 Resp: 1168753

Ion	Ratio	Lower	Upper
200	100		
173	25.9	6.9	46.9
215	47.6	28.7	68.7

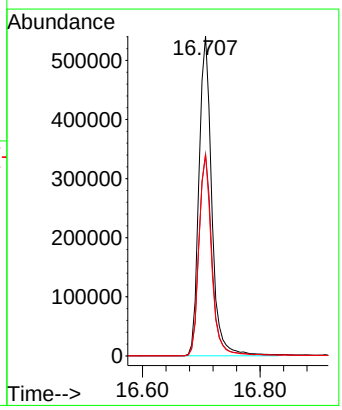


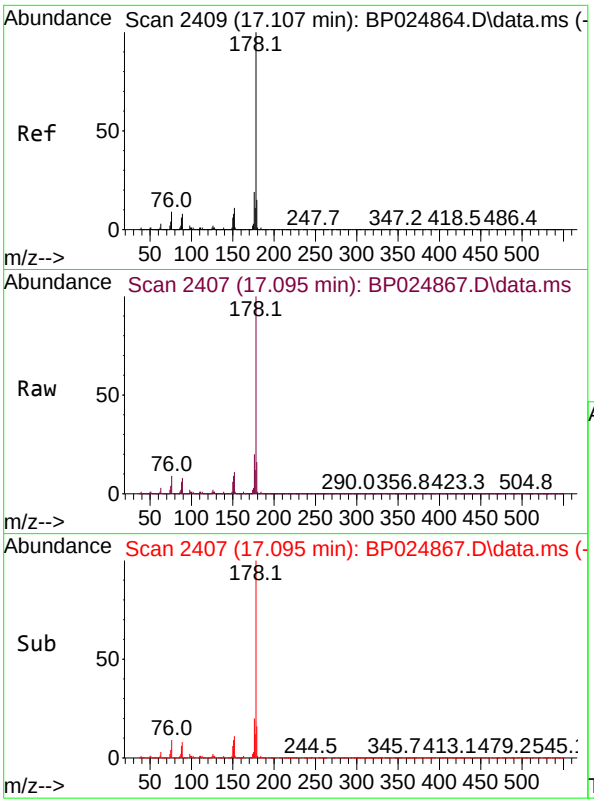


#70
Pentachlorophenol
Concen: 90.003 ng
RT: 16.707 min Scan# 2341
Delta R.T. -0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:266 Resp: 817045

Ion	Ratio	Lower	Upper
266	100		
268	62.9	50.6	76.0
264	63.0	49.7	74.5



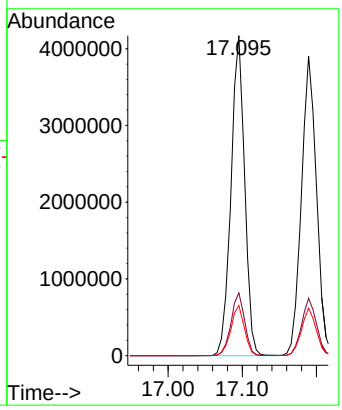


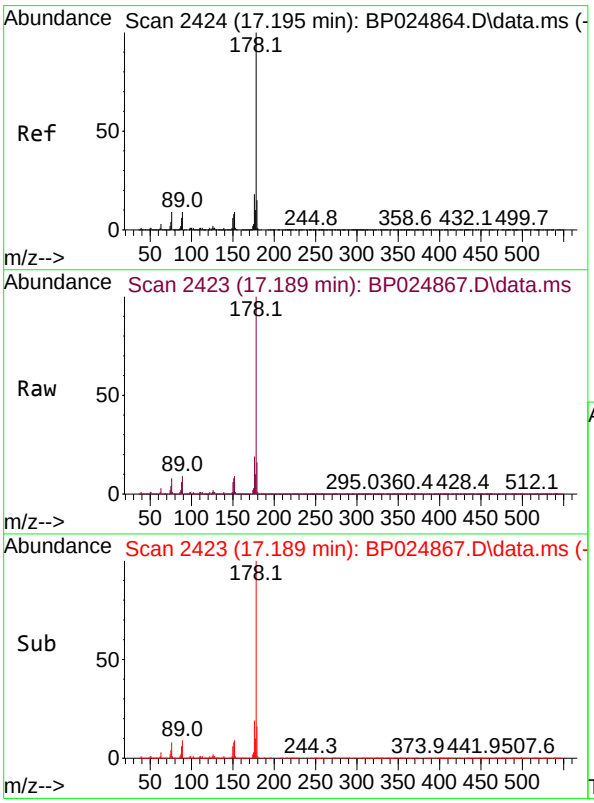
#71
Phenanthrene
Concen: 75.365 ng
RT: 17.095 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 5340604

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.3	22.9
179	15.6	12.1	18.1

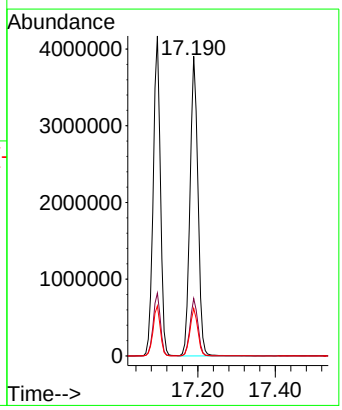


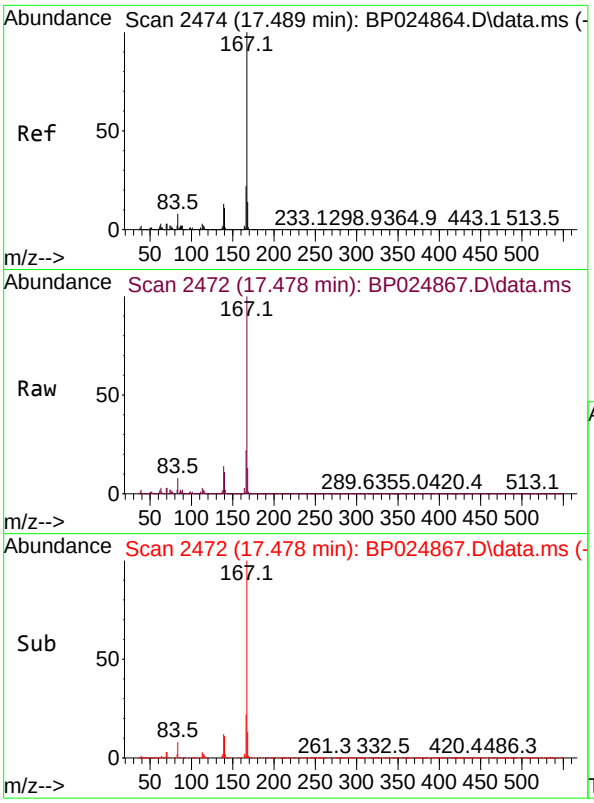


#72
Anthracene
Concen: 77.415 ng
RT: 17.189 min Scan# 2423
Delta R.T. -0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:178 Resp: 5555906

Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.7	22.1
179	15.8	12.3	18.5



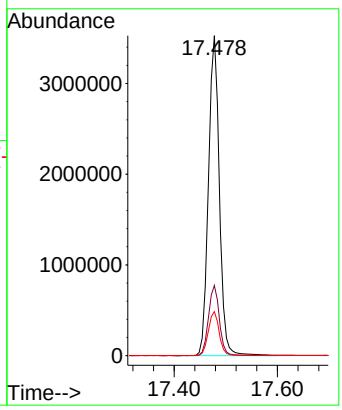


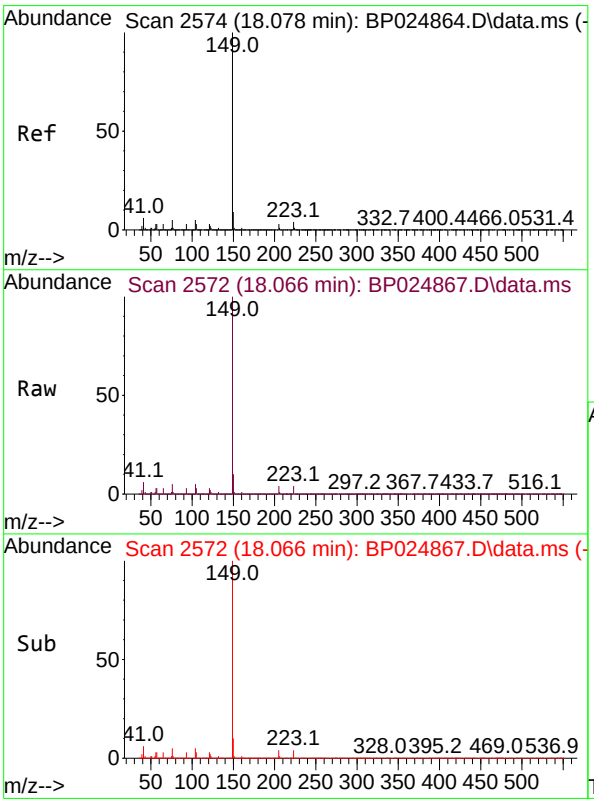
#73
Carbazole
Concen: 77.661 ng
RT: 17.478 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:167 Resp: 5166153

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.3	25.9
139	13.7	10.8	16.2

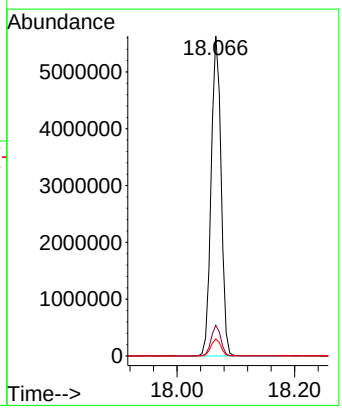


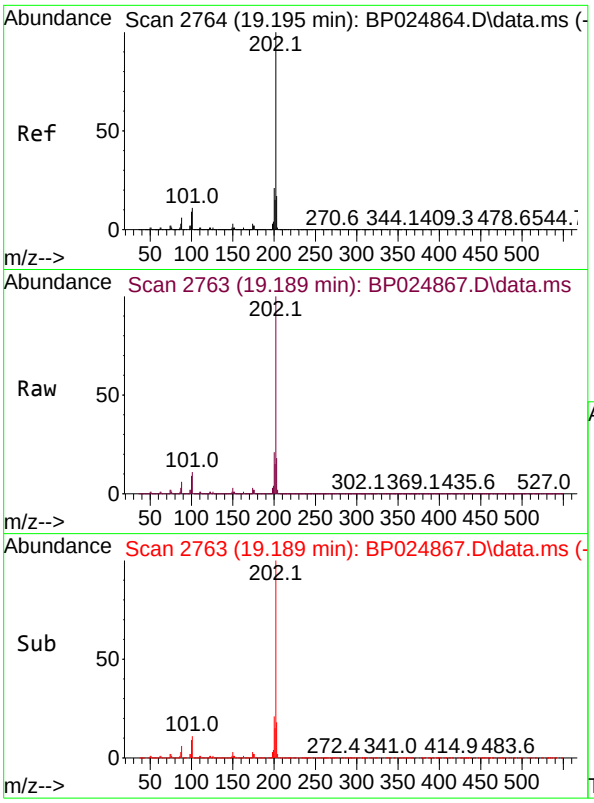


#74
Di-n-butylphthalate
Concen: 79.879 ng
RT: 18.066 min Scan# 2572
Delta R.T. -0.012 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:149 Resp: 6583572

Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.4	11.2
104	5.3	4.2	6.2



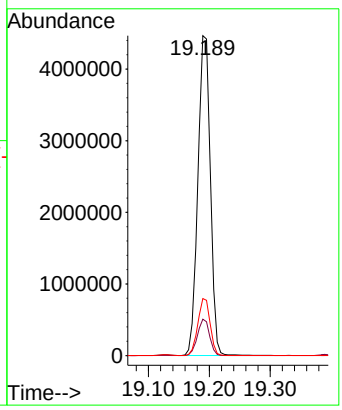


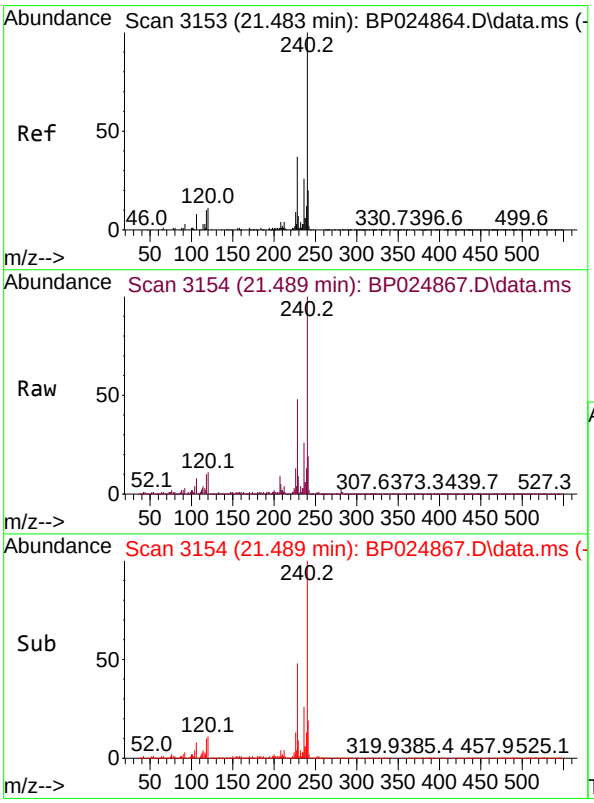
#75
Fluoranthene
Concen: 77.333 ng
RT: 19.189 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:202 Resp: 6351620

Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.4
203	17.8	0.0	37.5

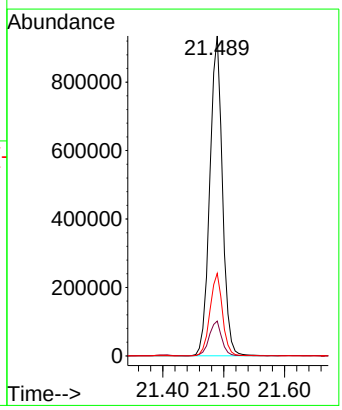


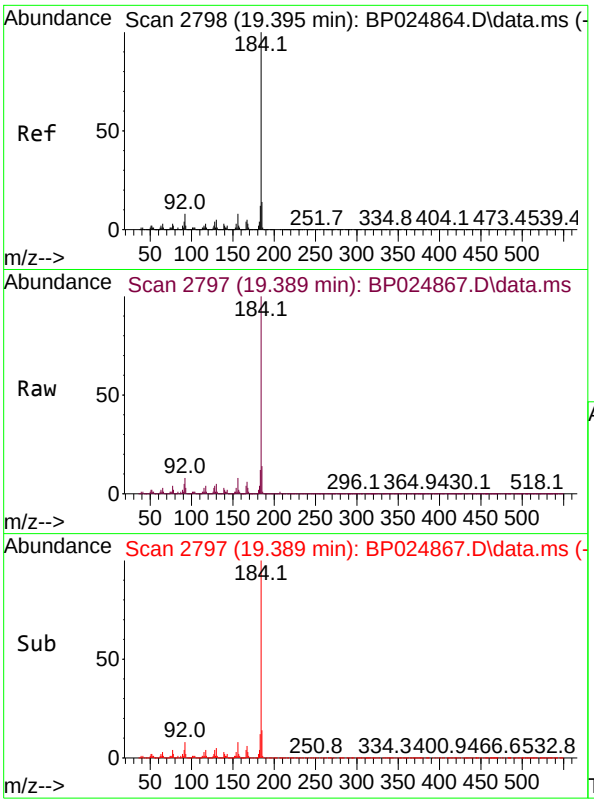


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.489 min Scan# 3154
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:240 Resp: 1346775

Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.9	13.3
236	25.8	20.9	31.3



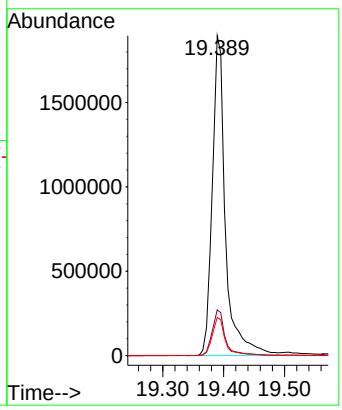


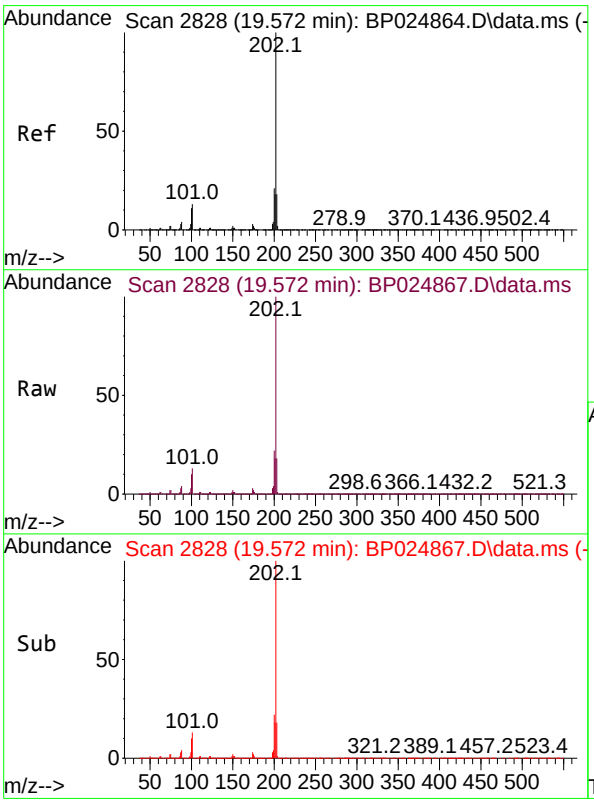
#77
Benzidine
Concen: 68.307 ng
RT: 19.389 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:184 Resp: 2849177

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.4	17.0
183	11.9	9.5	14.3

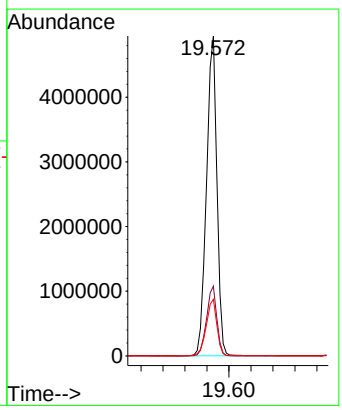


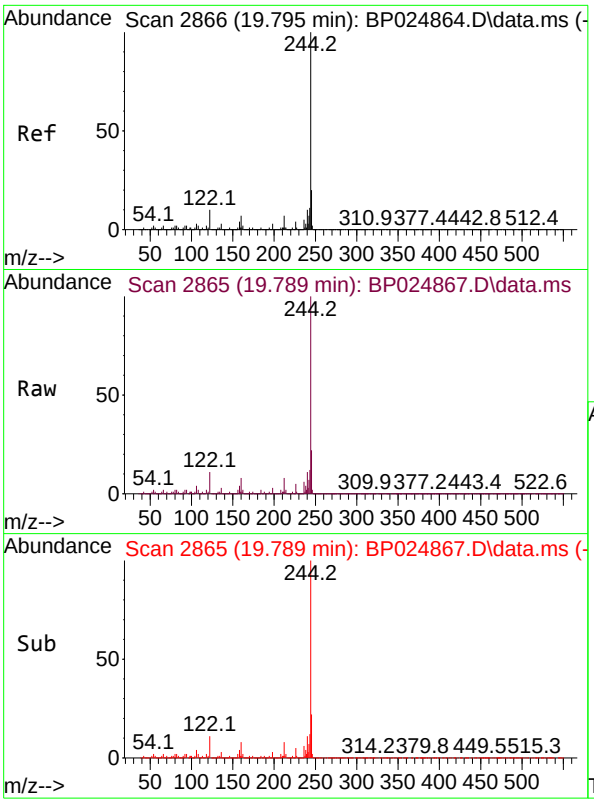


#78
Pyrene
Concen: 77.229 ng
RT: 19.572 min Scan# 2828
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:202 Resp: 6497989

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.1	25.7
203	17.7	14.0	21.0



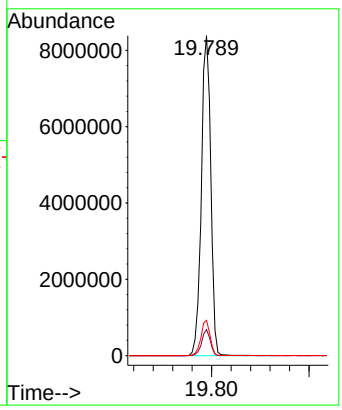


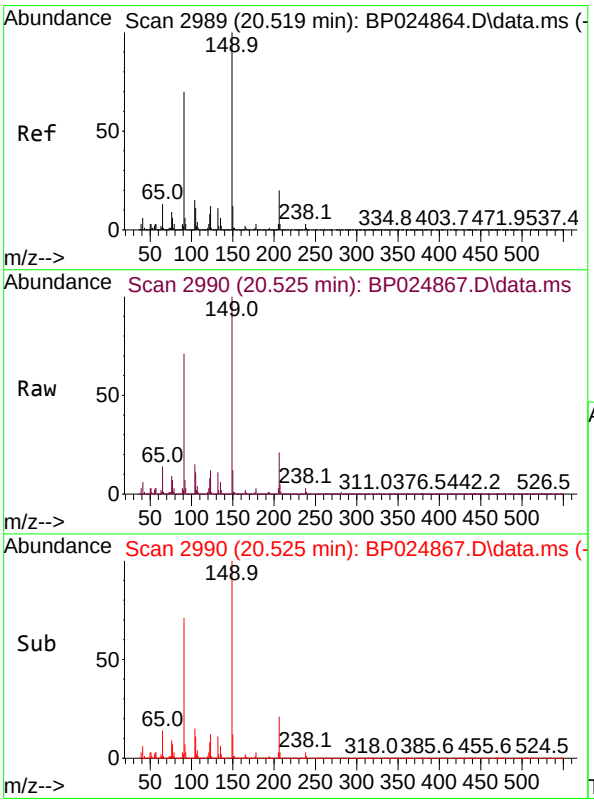
#79
Terphenyl-d14
Concen: 148.975 ng
RT: 19.789 min Scan# 28
Delta R.T. -0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:244 Resp:11194678

Ion	Ratio	Lower	Upper
244	100		
212	8.1	5.6	8.4
122	11.0	7.7	11.5

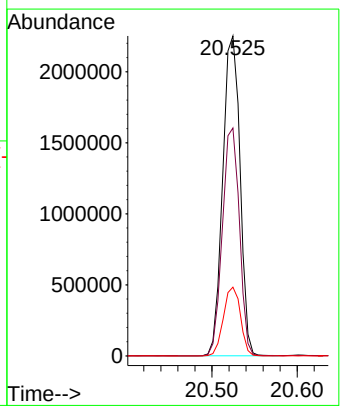


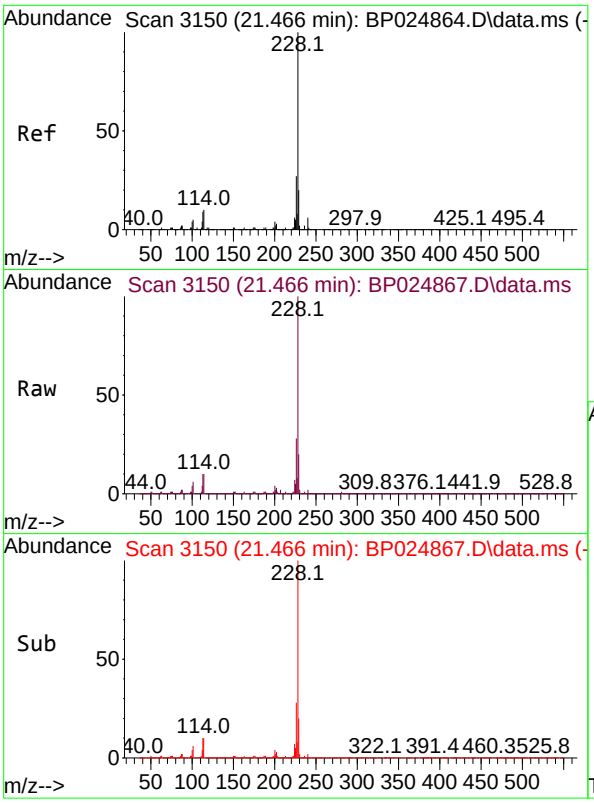


#80
Butylbenzylphthalate
Concen: 82.388 ng
RT: 20.525 min Scan# 2990
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:149 Resp: 3175233

Ion	Ratio	Lower	Upper
149	100		
91	71.2	55.8	83.8
206	21.5	16.2	24.2



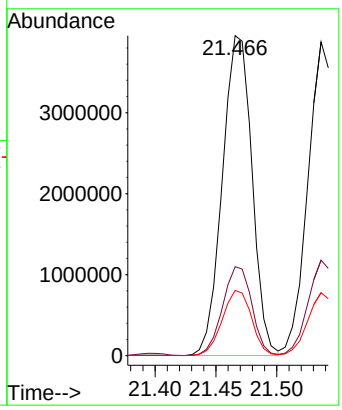


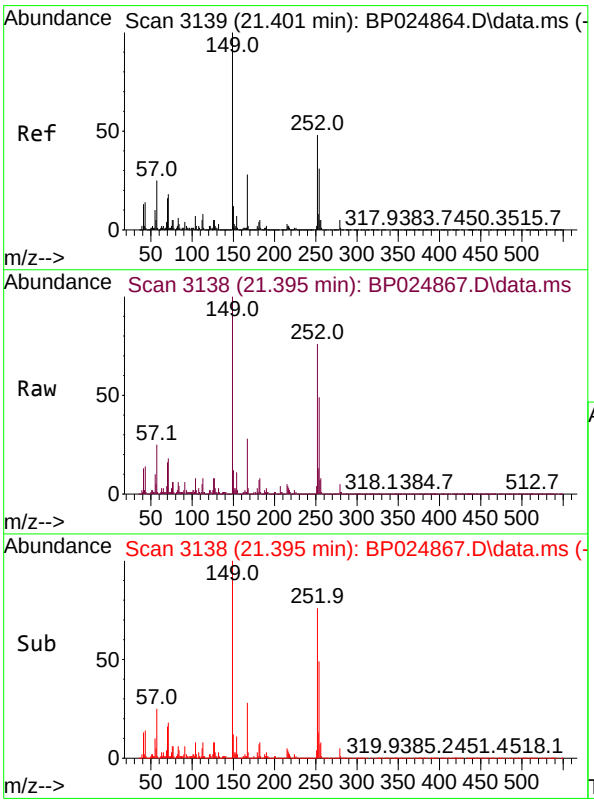
#81
Benzo(a)anthracene
Concen: 77.741 ng
RT: 21.466 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 6696396

Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.1	33.1
229	20.4	15.9	23.9

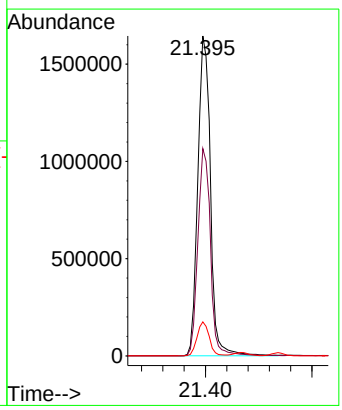


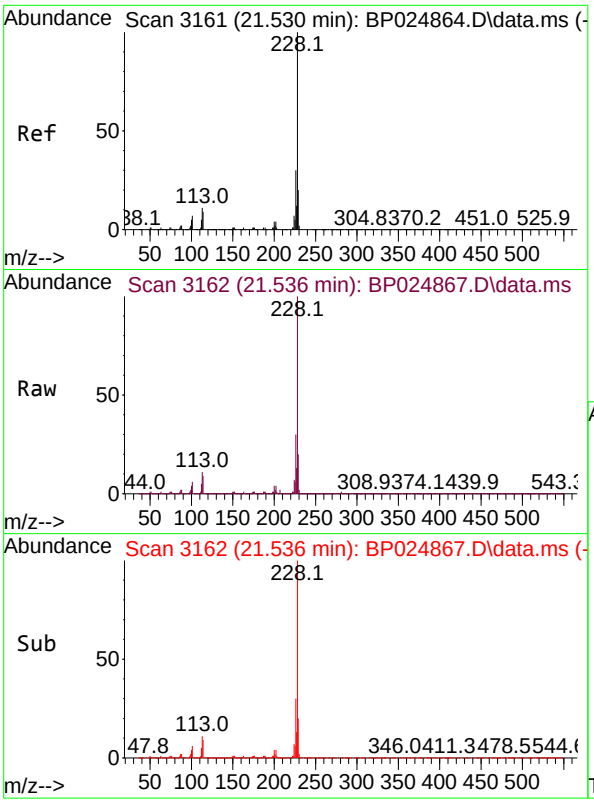


#82
3,3'-Dichlorobenzidine
Concen: 78.907 ng
RT: 21.395 min Scan# 3138
Delta R.T. -0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:252 Resp: 2698352

Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.2	76.8
126	10.6	8.6	12.8



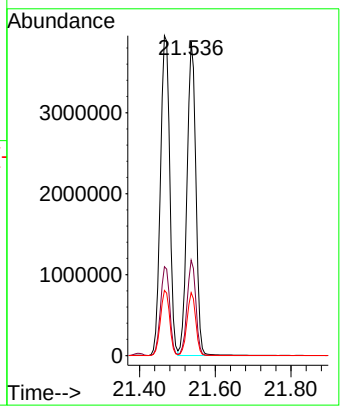


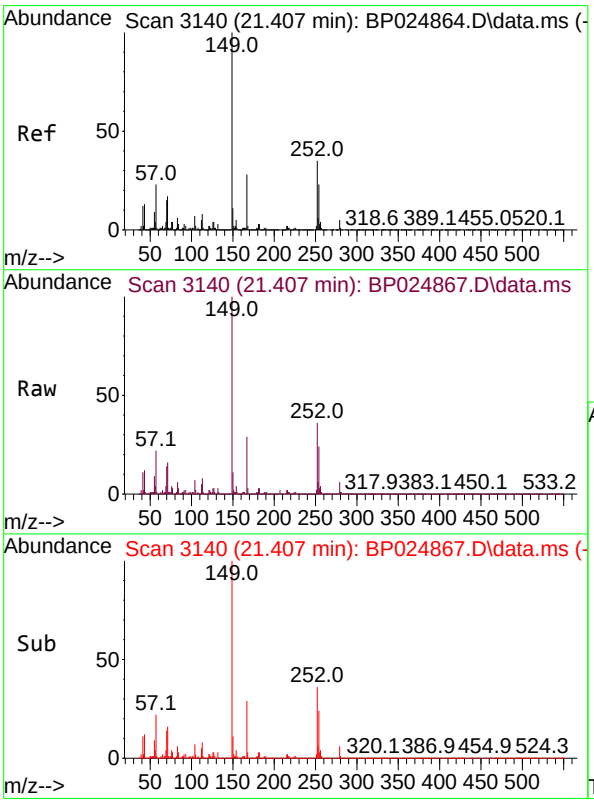
#83
Chrysene
Concen: 77.125 ng
RT: 21.536 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 6294743

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.8	35.6
229	20.1	15.6	23.4

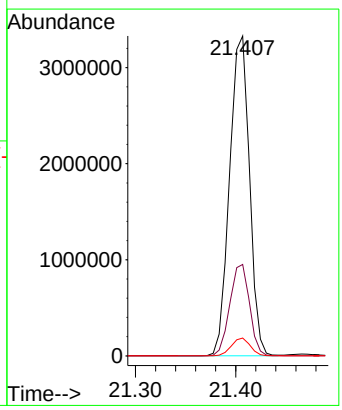


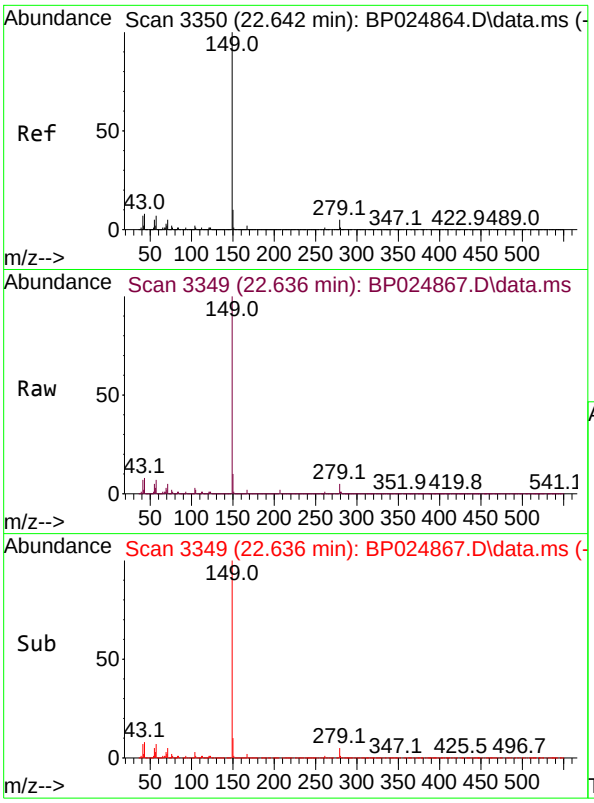


#84
Bis(2-ethylhexyl)phthalate
Concen: 82.917 ng
RT: 21.407 min Scan# 3140
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:149 Resp: 4578538

Ion	Ratio	Lower	Upper
149	100		
167	28.6	22.2	33.4
279	5.6	4.0	6.0



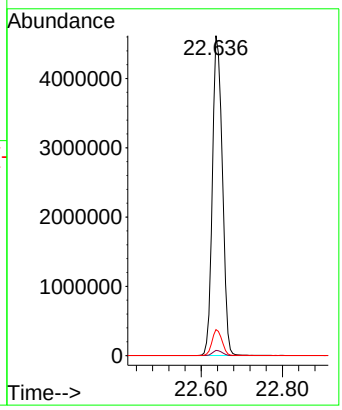


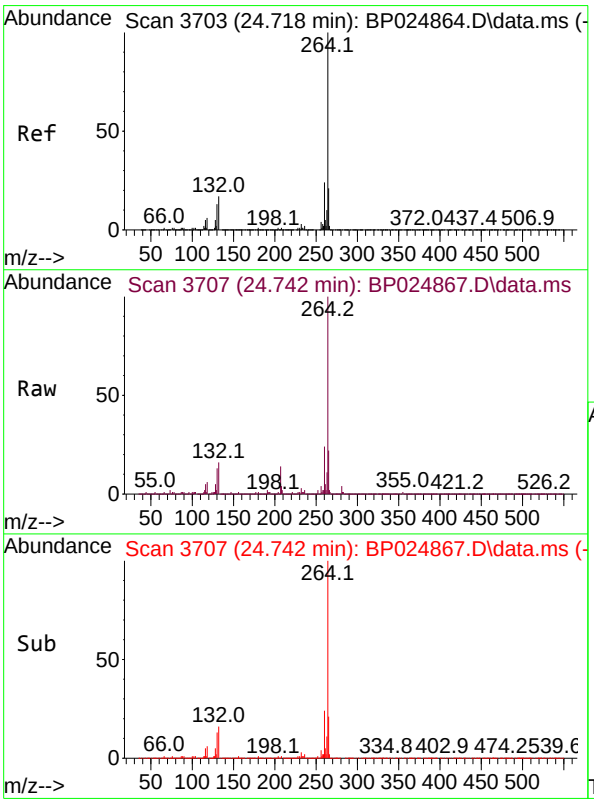
#85
Di-n-octyl phthalate
Concen: 81.539 ng
RT: 22.636 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 7936082

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.1	6.6	10.0

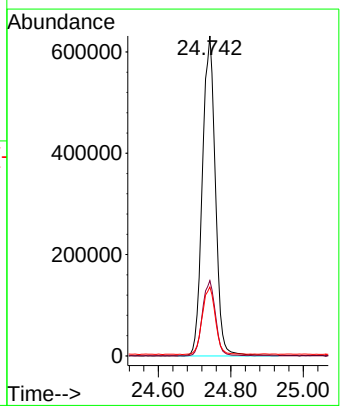


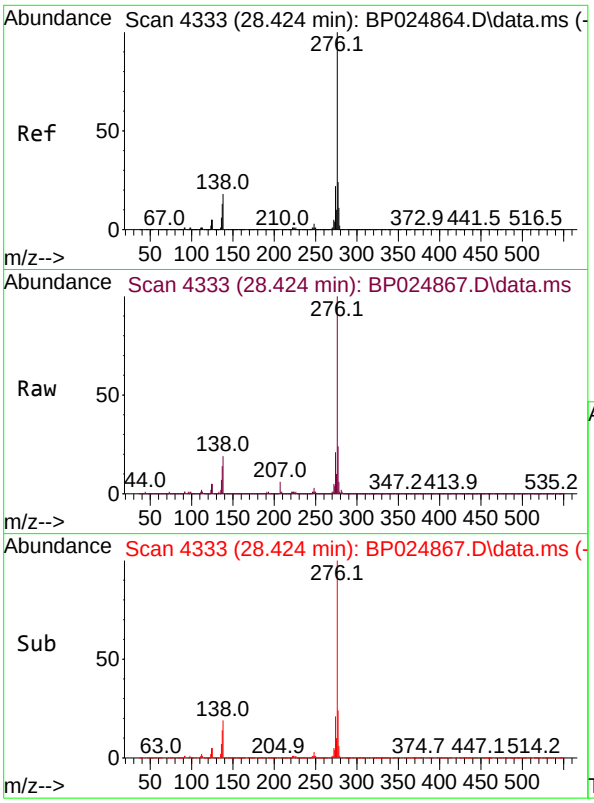


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.742 min Scan# 3707
Delta R.T. 0.024 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:264 Resp: 1568664

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.0	28.4
265	21.5	17.4	26.0



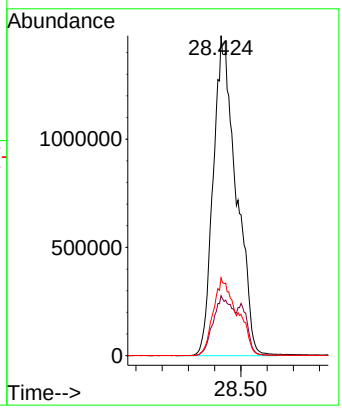


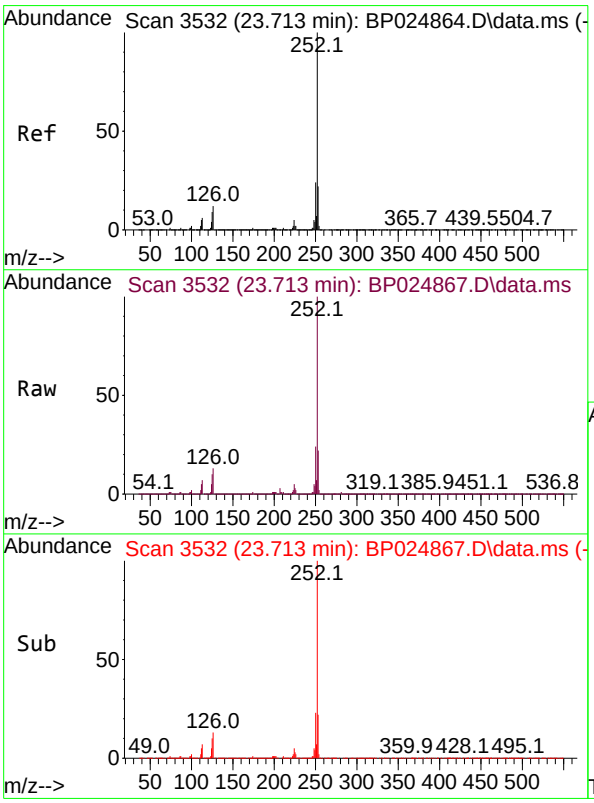
#87
Indeno(1,2,3-cd)pyrene
Concen: 78.751 ng
RT: 28.424 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 9013339

Ion	Ratio	Lower	Upper
276	100		
138	16.1	18.6	27.8#
277	25.4	20.2	30.4

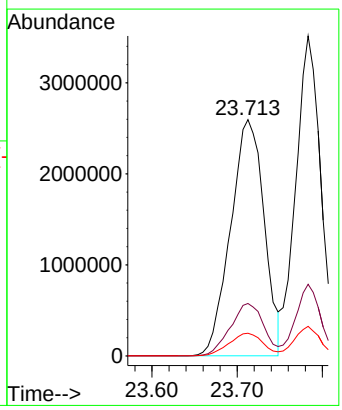


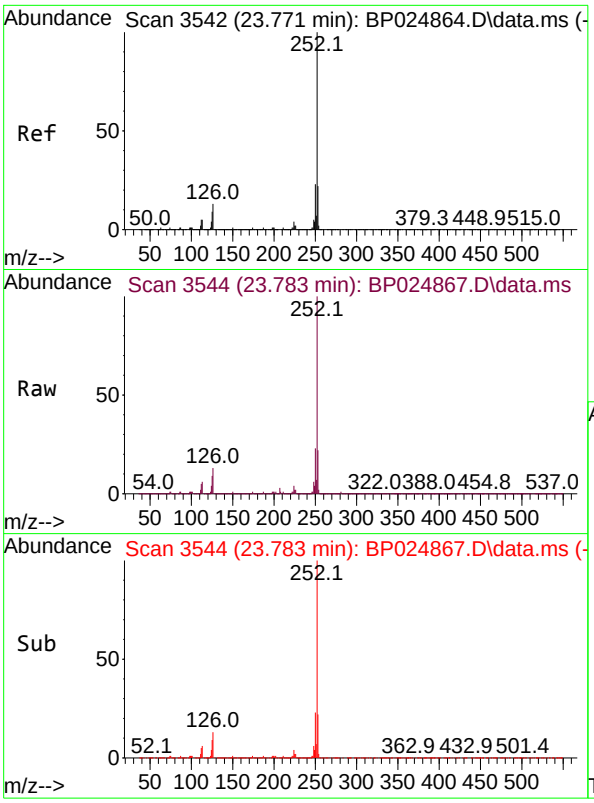


#88
Benzo(b)fluoranthene
Concen: 79.224 ng
RT: 23.713 min Scan# 3532
Delta R.T. 0.000 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:252 Resp: 7112180

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	9.6	7.1	10.7



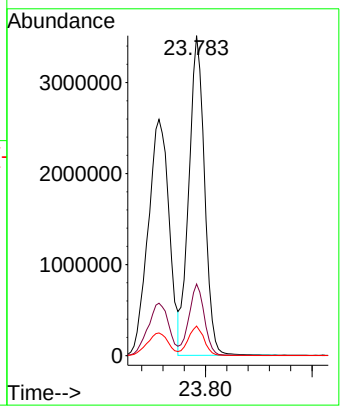


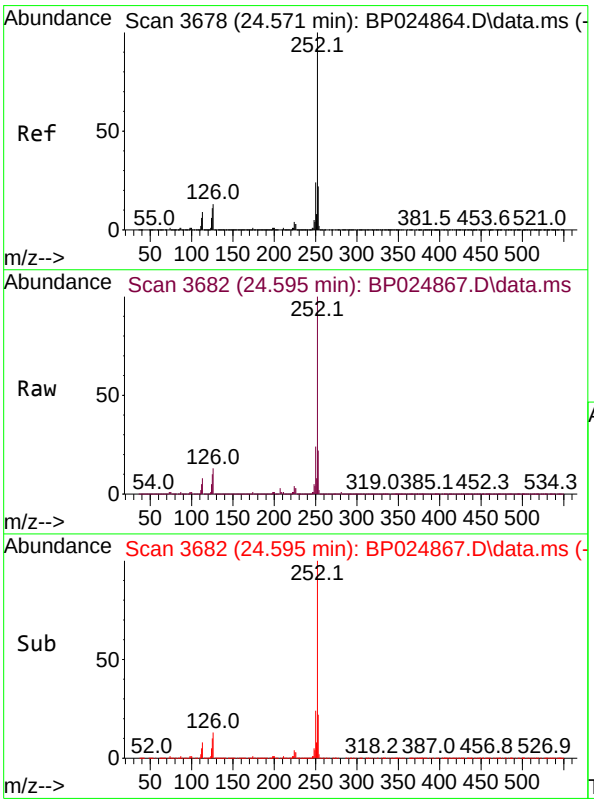
#89
Benzo(k)fluoranthene
Concen: 78.564 ng
RT: 23.783 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 7179421

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.7	26.5
125	9.3	7.4	11.0

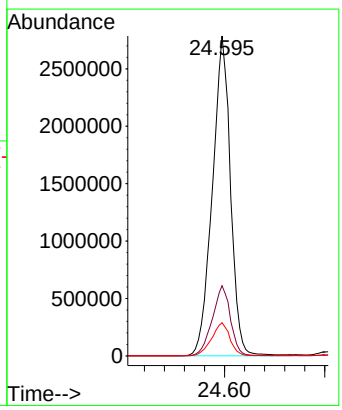


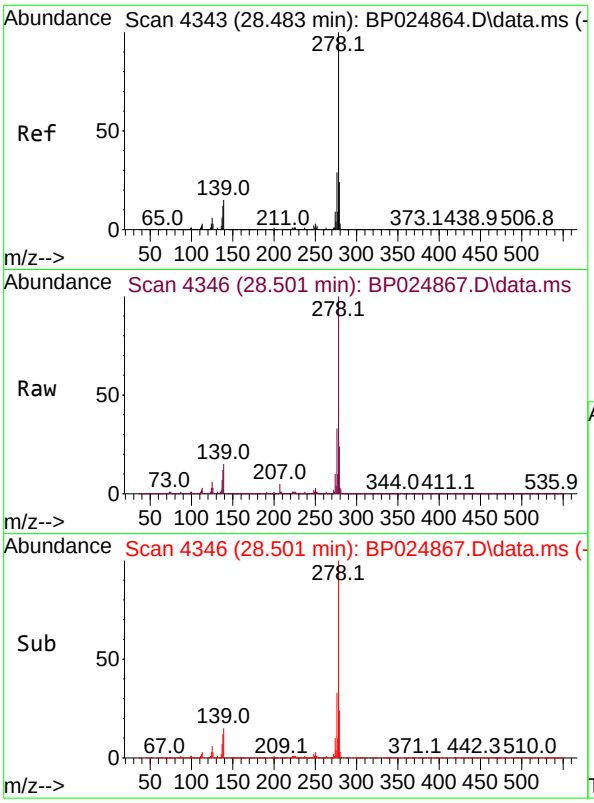


#90
Benzo(a)pyrene
Concen: 79.653 ng
RT: 24.595 min Scan# 3682
Delta R.T. 0.024 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:252 Resp: 6983429

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	10.4	8.8	13.2



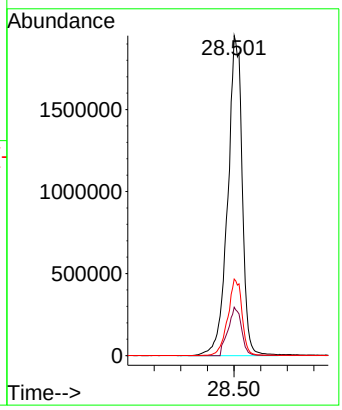


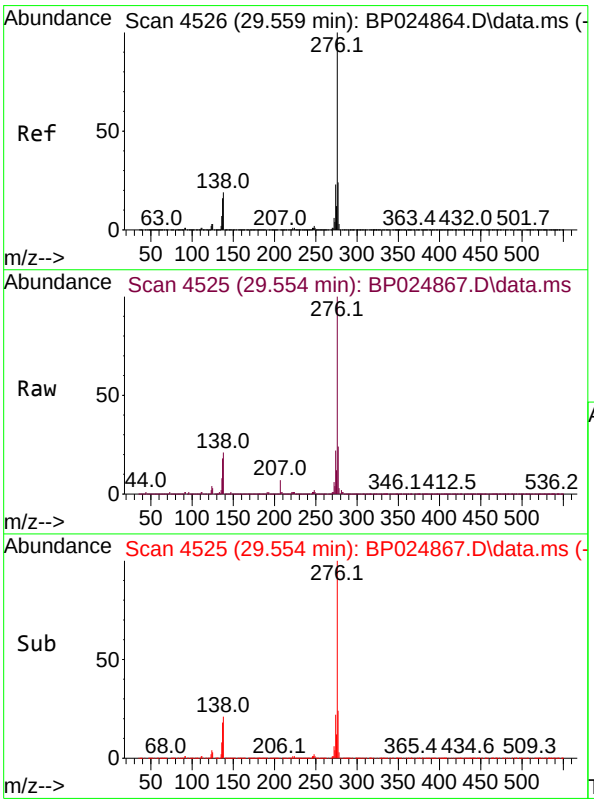
#91
Dibenzo(a,h)anthracene
Concen: 78.965 ng
RT: 28.501 min Scan# 4
Delta R.T. 0.018 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:278 Resp: 7356566

Ion	Ratio	Lower	Upper
278	100		
139	15.1	12.0	18.0
279	23.9	19.1	28.7

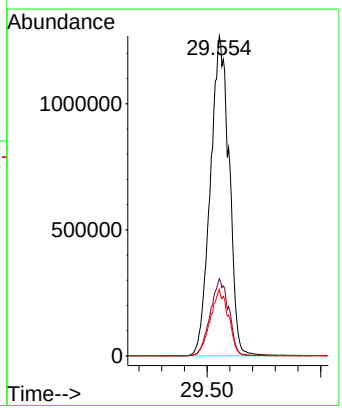




#92
Benzo(g,h,i)perylene
Concen: 78.545 ng
RT: 29.554 min Scan# 4525
Delta R.T. -0.006 min
Lab File: BP024867.D
Acq: 06 Jun 2025 15:18

Tgt Ion:276 Resp: 7260298

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.1	28.7
138	20.7	15.4	23.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024868.D
Acq On : 06 Jun 2025 17:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

Quant Time: Jun 06 17:28:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.596	152	259470	20.000	ng		-0.02
21) Naphthalene-d8	10.366	136	1129880	20.000	ng		-0.01
39) Acenaphthene-d10	14.248	164	734874	20.000	ng		0.00
64) Phenanthrene-d10	17.054	188	1466437	20.000	ng		0.00
76) Chrysene-d12	21.489	240	1557824	20.000	ng		0.00
86) Perylene-d12	24.736	264	1860226	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.231	112	1138471	73.239	ng		-0.01
7) Phenol-d6	6.802	99	1573129	76.488	ng		-0.01
23) Nitrobenzene-d5	8.749	82	1561363	67.150	ng		-0.01
42) 2,4,6-Tribromophenol	15.778	330	743311	73.160	ng		0.00
45) 2-Fluorobiphenyl	12.848	172	3405857	62.434	ng		-0.01
79) Terphenyl-d14	19.789	244	5436960	62.551	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.161	88	241705	35.338	ng		98
3) Pyridine	3.555	79	659477	40.092	ng		98
4) n-Nitrosodimethylamine	3.467	42	278482	41.411	ng		94
6) Aniline	6.937	93	1054913	40.192	ng		100
8) 2-Chlorophenol	7.172	128	687858	39.034	ng		97
9) Benzaldehyde	6.755	77	576121m	48.599	ng		
10) Phenol	6.825	94	845877	39.895	ng		98
11) bis(2-Chloroethyl)ether	7.031	93	656501	39.368	ng		99
12) 1,3-Dichlorobenzene	7.490	146	735256	37.402	ng		99
13) 1,4-Dichlorobenzene	7.631	146	742188	37.417	ng		99
14) 1,2-Dichlorobenzene	7.943	146	722064	37.071	ng		99
15) Benzyl Alcohol	7.843	79	644939	40.859	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.125	45	849644	38.927	ng		98
17) 2-Methylphenol	8.055	107	591959	39.981	ng		98
18) Hexachloroethane	8.660	117	277433	37.151	ng		98
19) n-Nitroso-di-n-propyla...	8.402	70	559389	40.009	ng		99
20) 3+4-Methylphenols	8.384	107	797217	39.466	ng		99
22) Acetophenone	8.419	105	1100455	38.549	ng	#	99
24) Nitrobenzene	8.790	77	810932	39.258	ng		99
25) Isophorone	9.313	82	1576033	39.109	ng		99
26) 2-Nitrophenol	9.496	139	403179	39.558	ng		99
27) 2,4-Dimethylphenol	9.566	122	676106	38.761	ng		99
28) bis(2-Chloroethoxy)met...	9.784	93	921897	38.351	ng		99
29) 2,4-Dichlorophenol	10.043	162	653496	39.046	ng		99
30) 1,2,4-Trichlorobenzene	10.231	180	689288	36.514	ng		100
31) Naphthalene	10.413	128	2147539	37.089	ng		100
32) Benzoic acid	9.749	122	476446	40.420	ng		99
33) 4-Chloroaniline	10.543	127	960185	39.581	ng		99
34) Hexachlorobutadiene	10.696	225	413168	36.314	ng		100
35) Caprolactam	11.337	113	254008	41.229	ng		98
36) 4-Chloro-3-methylphenol	11.690	107	781340	40.474	ng		100
37) 2-Methylnaphthalene	12.037	142	1411483	38.430	ng		99
38) 1-Methylnaphthalene	12.254	142	1479329	37.674	ng		97
40) 1,2,4,5-Tetrachloroben...	12.413	216	774379	37.136	ng		100
41) Hexachlorocyclopentadiene	12.384	237	485560	38.177	ng		97
43) 2,4,6-Trichlorophenol	12.666	196	543521	38.812	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024868.D
Acq On : 06 Jun 2025 17:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

Quant Time: Jun 06 17:28:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.760	196	585859	39.064	ng	99
46) 1,1'-Biphenyl	13.066	154	2002791	37.502	ng	99
47) 2-Chloronaphthalene	13.107	162	1514031	36.886	ng	100
48) 2-Nitroaniline	13.331	65	515024	40.813	ng	99
49) Acenaphthylene	13.966	152	2551023	37.274	ng	100
50) Dimethylphthalate	13.707	163	2015820	37.185	ng	99
51) 2,6-Dinitrotoluene	13.831	165	445393	38.111	ng	95
52) Acenaphthene	14.313	154	1469566	37.472	ng	98
53) 3-Nitroaniline	14.172	138	492714	40.626	ng	100
54) 2,4-Dinitrophenol	14.401	184	266900	38.197	ng	98
55) Dibenzofuran	14.660	168	2304340	36.605	ng	98
56) 4-Nitrophenol	14.531	139	362887	38.363	ng	94
57) 2,4-Dinitrotoluene	14.637	165	636513	38.936	ng	99
58) Fluorene	15.319	166	1883765	37.043	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.901	232	514561	38.401	ng	100
60) Diethylphthalate	15.101	149	2033664	37.642	ng	99
61) 4-Chlorophenyl-phenyle...	15.313	204	915384	36.814	ng	98
62) 4-Nitroaniline	15.366	138	464418	42.233	ng	99
63) Azobenzene	15.619	77	1893664	38.217	ng	99
65) 4,6-Dinitro-2-methylph...	15.425	198	375376	38.956	ng	97
66) n-Nitrosodiphenylamine	15.542	169	1674745	36.846	ng	99
67) 4-Bromophenyl-phenylether	16.237	248	593842	35.890	ng	98
68) Hexachlorobenzene	16.348	284	725771	36.182	ng	100
69) Atrazine	16.531	200	611440	37.108	ng	99
70) Pentachlorophenol	16.719	266	407441	39.247	ng	99
71) Phenanthrene	17.107	178	2965530	36.595	ng	99
72) Anthracene	17.207	178	3028697	36.903	ng	99
73) Carbazole	17.489	167	2872120	37.755	ng	100
74) Di-n-butylphthalate	18.072	149	3440228	36.500	ng	100
75) Fluoranthene	19.195	202	3413021	36.337	ng	100
77) Benzidine	19.395	184	2156506	44.696	ng	100
78) Pyrene	19.572	202	3527120	36.241	ng	99
80) Butylbenzylphthalate	20.519	149	1664895	37.347	ng	99
81) Benzo(a)anthracene	21.472	228	3660732	36.741	ng	100
82) 3,3'-Dichlorobenzidine	21.395	252	1487801	37.613	ng	98
83) Chrysene	21.536	228	3438391	36.421	ng	99
84) Bis(2-ethylhexyl)phtha...	21.407	149	2365859	37.041	ng	100
85) Di-n-octyl phthalate	22.642	149	4126479	36.654	ng	100
87) Indeno(1,2,3-cd)pyrene	28.436	276	5100289	37.578	ng	100
88) Benzo(b)fluoranthene	23.718	252	3910900	36.735	ng	99
89) Benzo(k)fluoranthene	23.795	252	3904662	36.032	ng	100
90) Benzo(a)pyrene	24.595	252	3839776	36.932	ng	100
91) Dibenzo(a,h)anthracene	28.501	278	4123111	37.321	ng	99
92) Benzo(g,h,i)perylene	29.577	276	4097986	37.385	ng	99

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

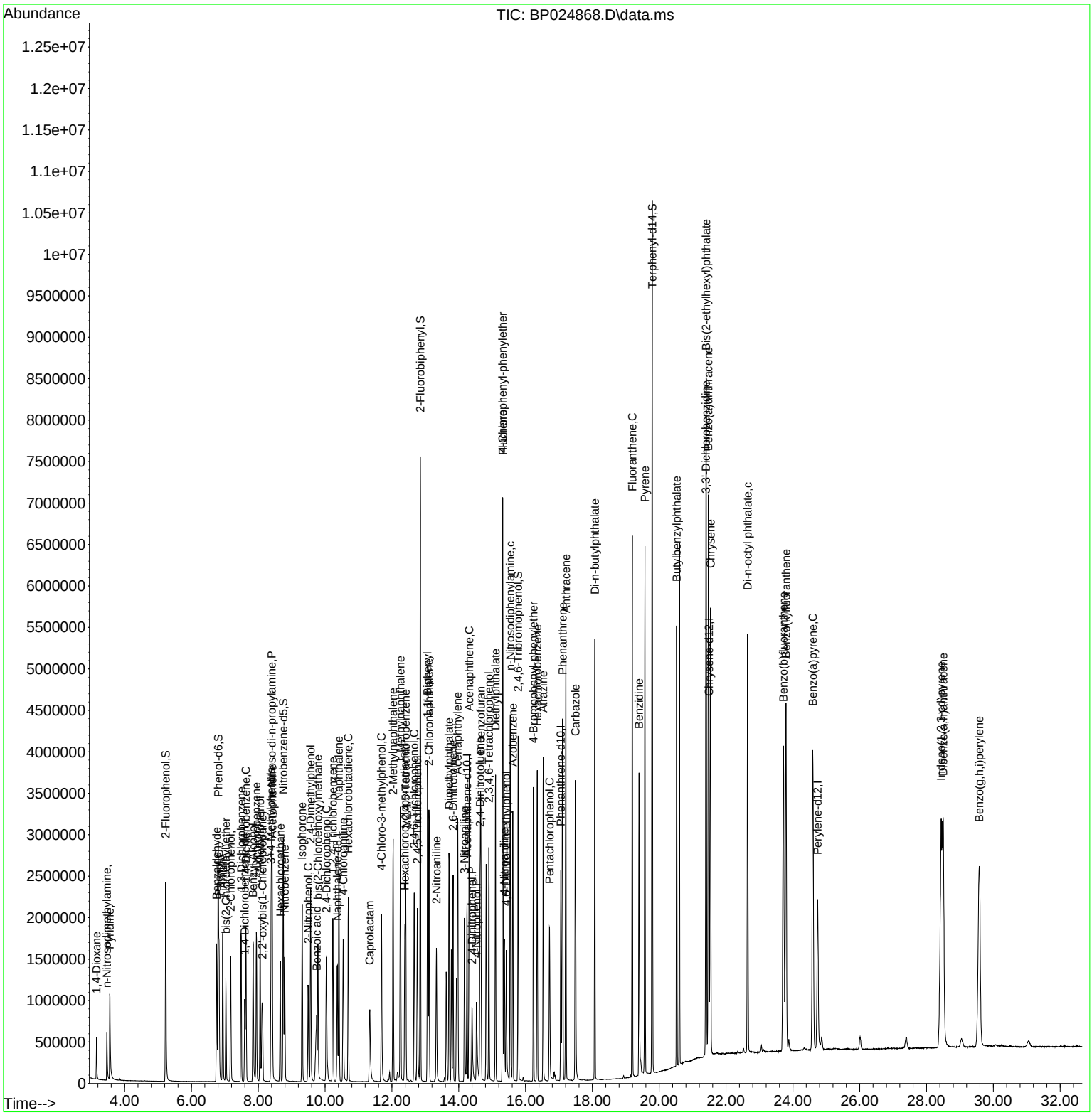
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Data File : BP024868.D
Acq On : 06 Jun 2025 17:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

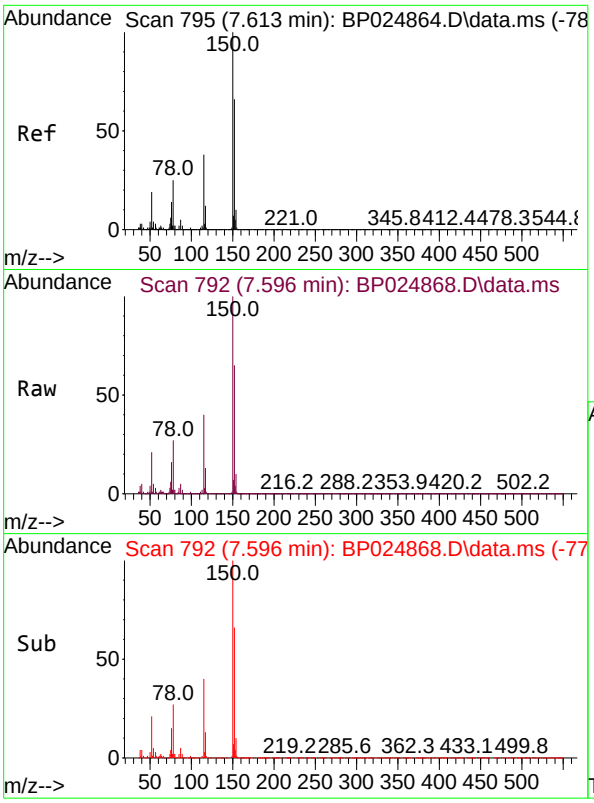
Quant Time: Jun 06 17:28:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

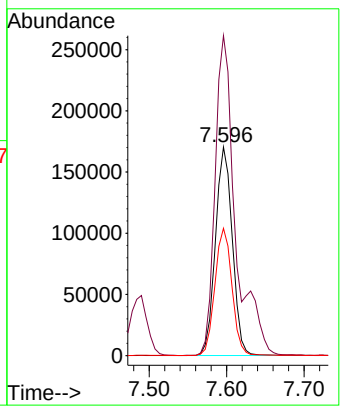




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.596 min Scan# 79
Delta R.T. -0.017 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:152 Resp: 25947

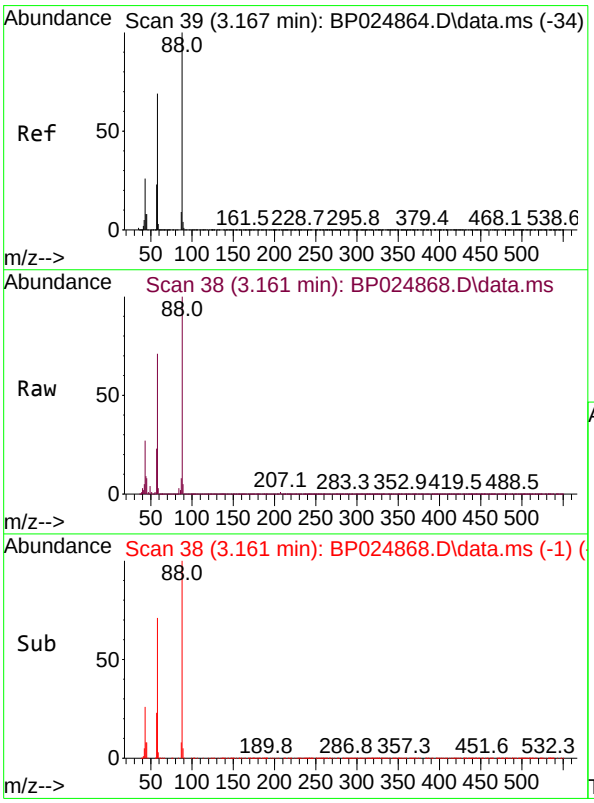
Ion	Ratio	Lower	Upper
152	100		
150	153.4	122.1	183.1
115	61.0	46.4	69.6



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED

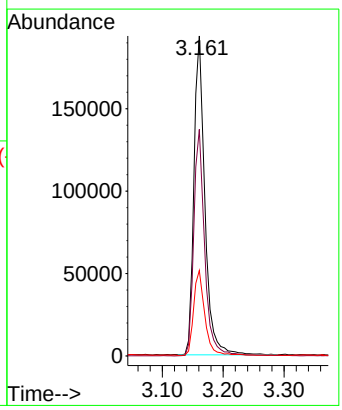
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

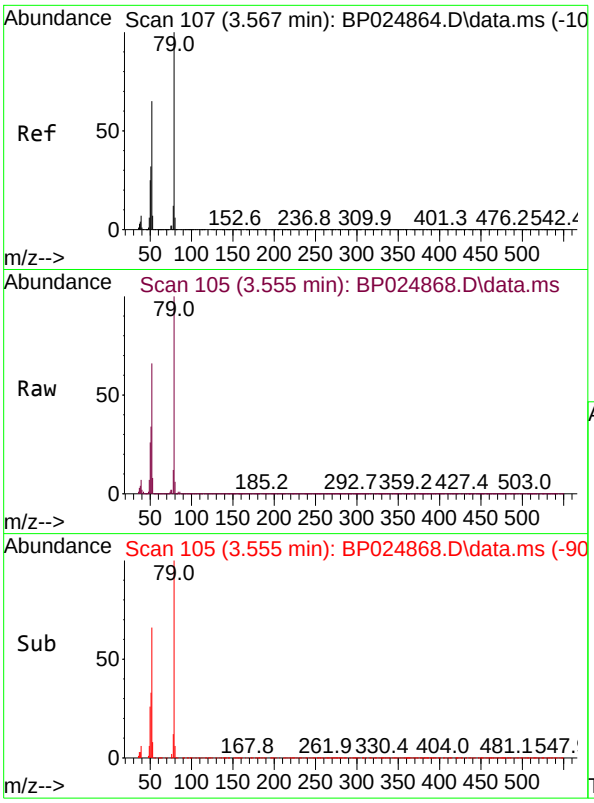


#2
1,4-Dioxane
Concen: 35.338 ng
RT: 3.161 min Scan# 38
Delta R.T. -0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion: 88 Resp: 241705

Ion	Ratio	Lower	Upper
88	100		
58	71.0	55.4	83.0
43	27.0	20.8	31.2

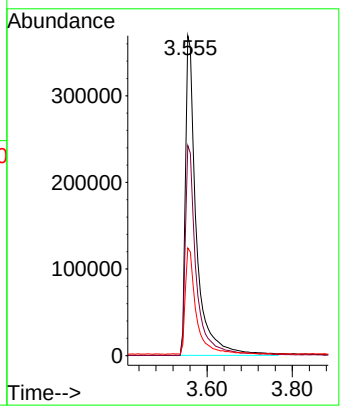




#3
Pyridine
Concen: 40.092 ng
RT: 3.555 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion: 79 Resp: 6594

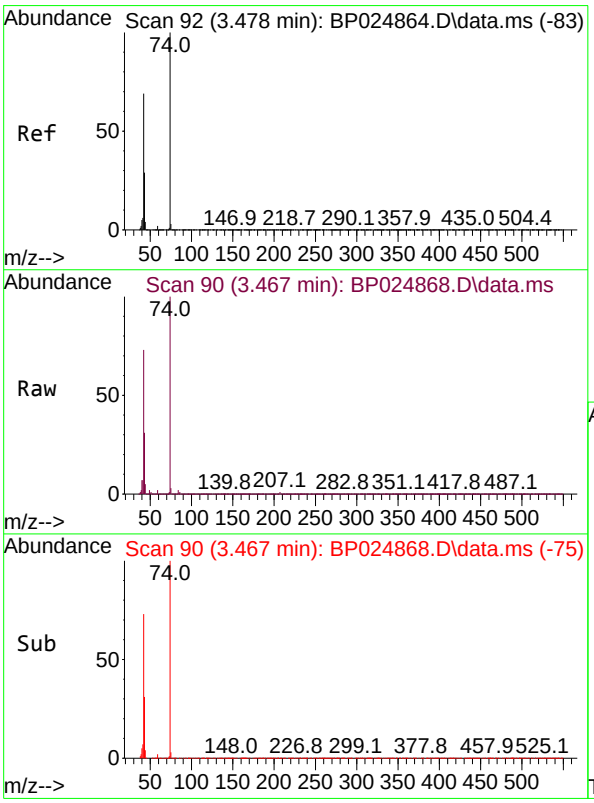
Ion	Ratio	Lower	Upper
79	100		
52	65.6	51.6	77.4
51	33.6	25.5	38.3



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED

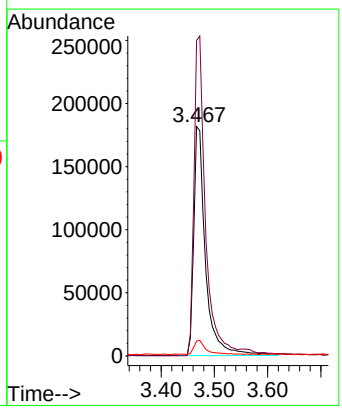
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

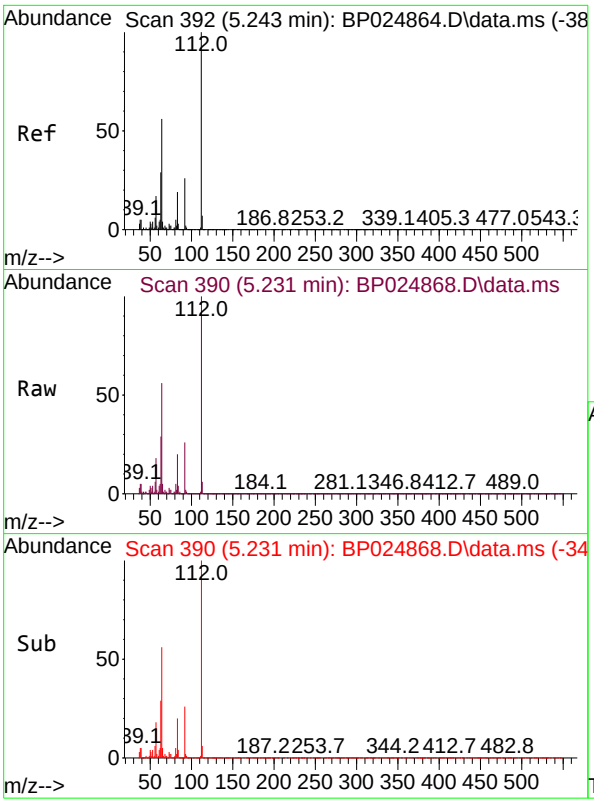


#4
n-Nitrosodimethylamine
Concen: 41.411 ng
RT: 3.467 min Scan# 90
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion: 42 Resp: 278482

Ion	Ratio	Lower	Upper
42	100		
74	137.6	116.6	174.8
44	6.4	5.4	8.0

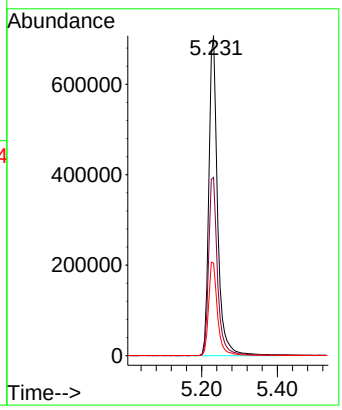




#5
2-Fluorophenol
Concen: 73.239 ng
RT: 5.231 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:112 Resp: 113847

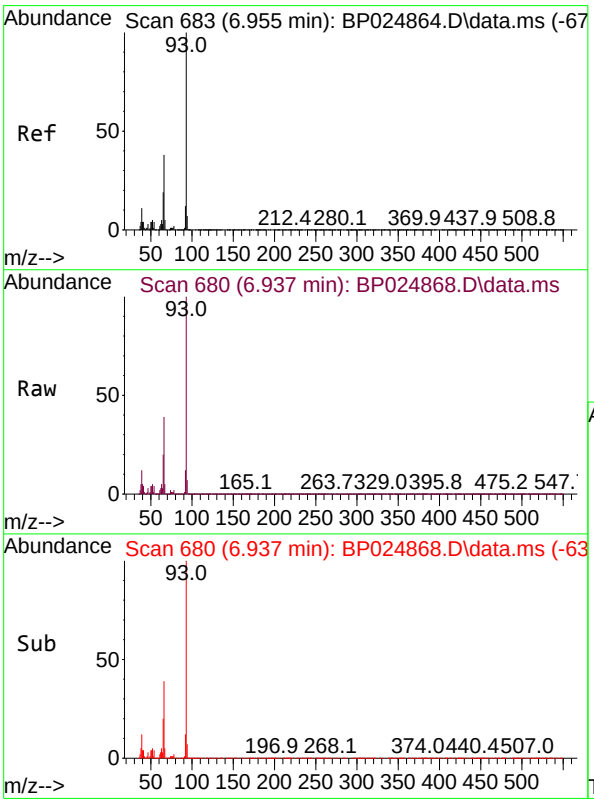
Ion	Ratio	Lower	Upper
112	100		
64	55.7	44.7	67.1
63	28.9	23.5	35.3



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED

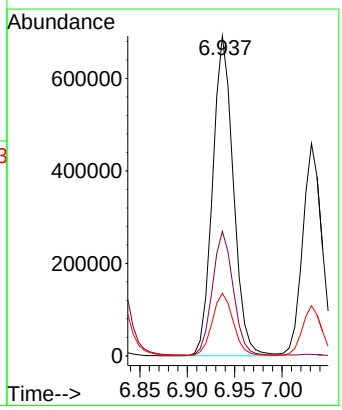
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

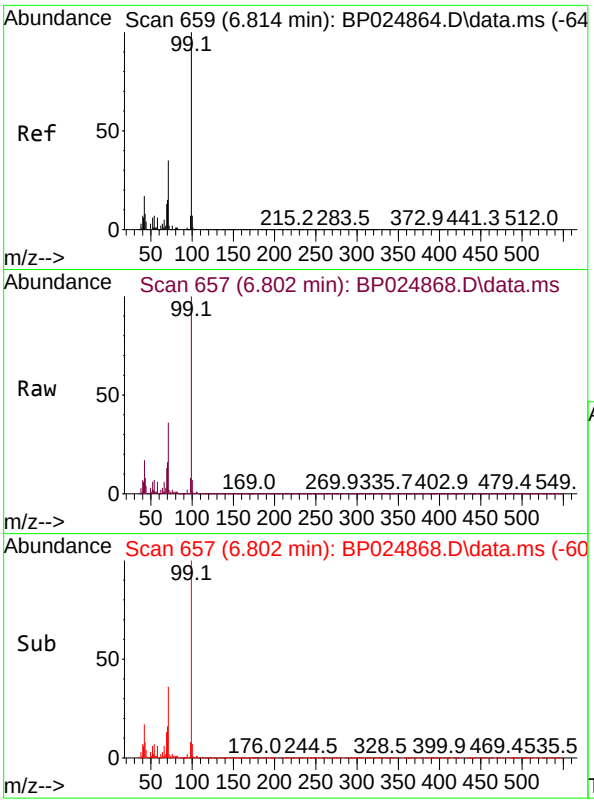


#6
Aniline
Concen: 40.192 ng
RT: 6.937 min Scan# 680
Delta R.T. -0.018 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion: 93 Resp: 1054913

Ion	Ratio	Lower	Upper
93	100		
66	38.9	30.9	46.3
65	19.6	15.5	23.3

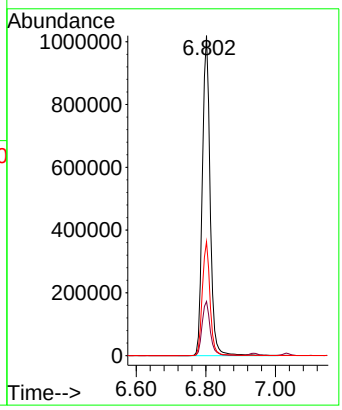




#7
Phenol-d6
Concen: 76.488 ng
RT: 6.802 min Scan# 6
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion: 99 Resp: 157312

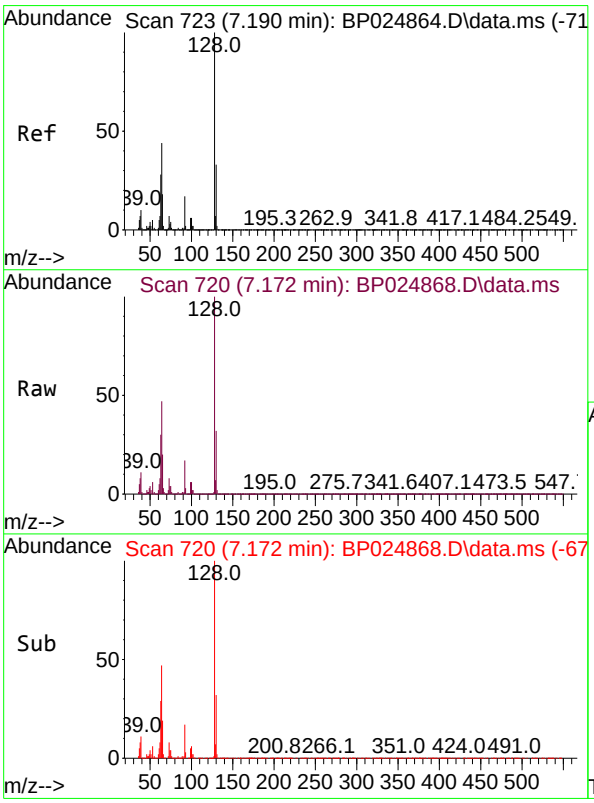
Ion	Ratio	Lower	Upper
99	100		
42	16.9	13.4	20.2
71	35.6	27.6	41.4



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED

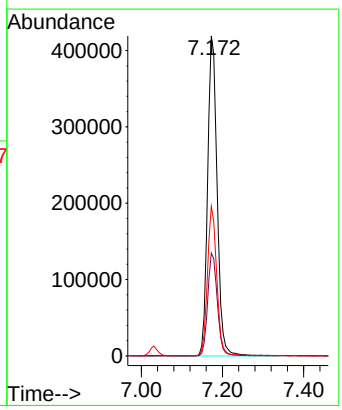
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

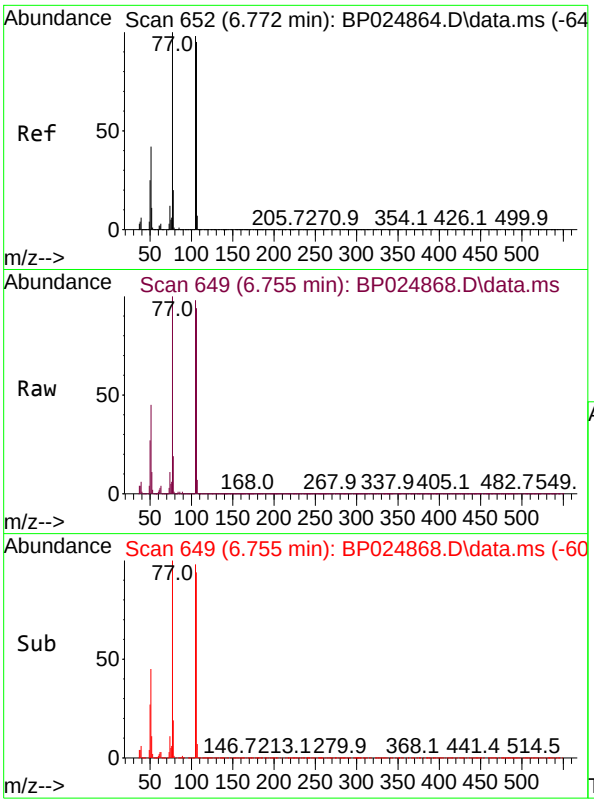


#8
2-Chlorophenol
Concen: 39.034 ng
RT: 7.172 min Scan# 720
Delta R.T. -0.018 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:128 Resp: 687858

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.6	52.6
64	46.7	24.1	64.1

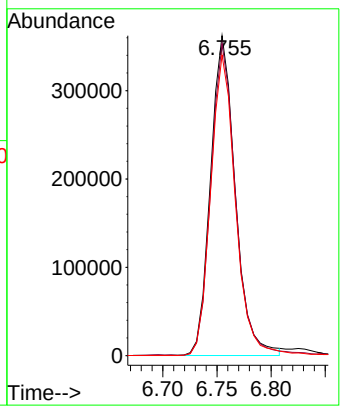




#9
Benzaldehyde
Concen: 48.599 ng m
RT: 6.755 min Scan# 64
Delta R.T. -0.018 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion: 77 Resp: 57612

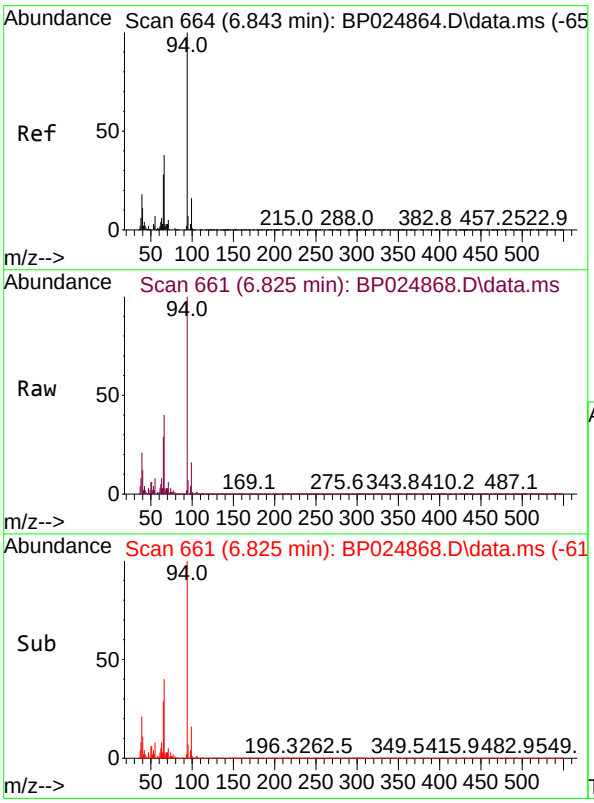
Ion	Ratio	Lower	Upper
77	100		
105	97.5	77.7	117.7
106	93.9	74.8	114.8



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED

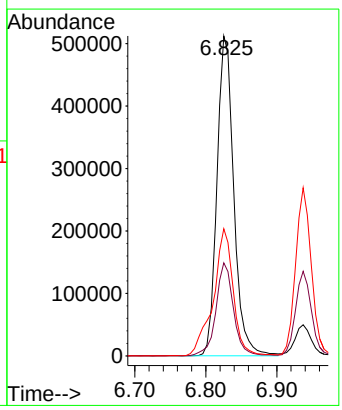
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

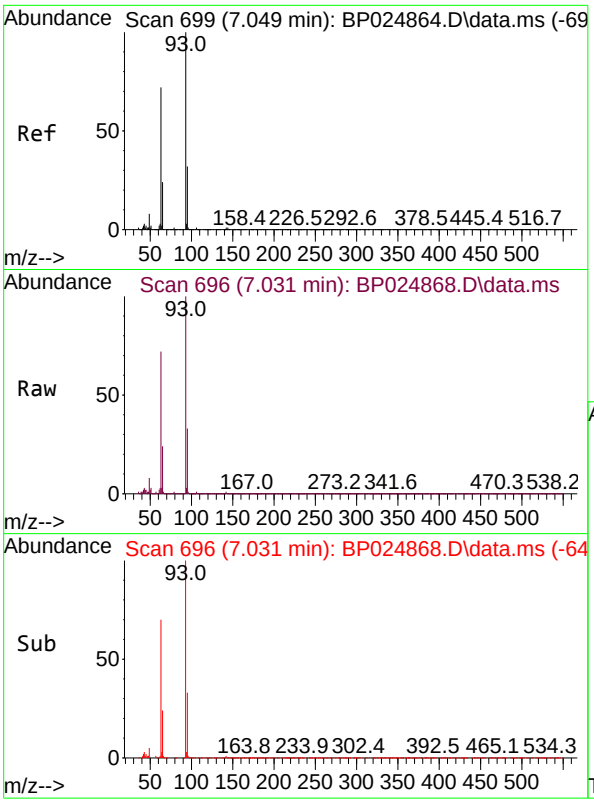


#10
Phenol
Concen: 39.895 ng
RT: 6.825 min Scan# 661
Delta R.T. -0.018 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion: 94 Resp: 845877

Ion	Ratio	Lower	Upper
94	100		
65	29.1	8.3	48.3
66	39.7	18.2	58.2

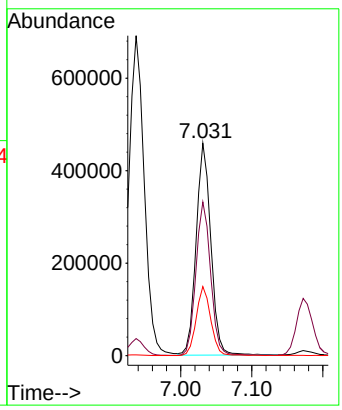




#11
bis(2-Chloroethyl)ether
Concen: 39.368 ng
RT: 7.031 min Scan# 6
Delta R.T. -0.018 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion: 93 Resp: 65650

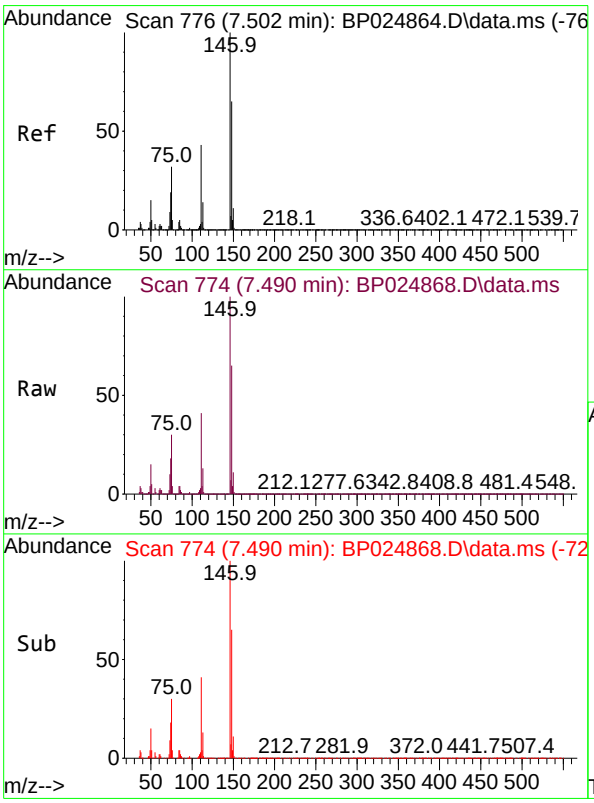
Ion	Ratio	Lower	Upper
93	100		
63	72.4	51.6	91.6
95	32.5	12.1	52.1



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED

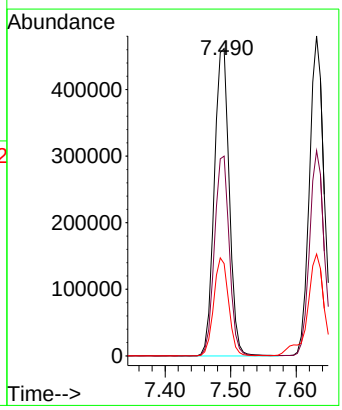
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

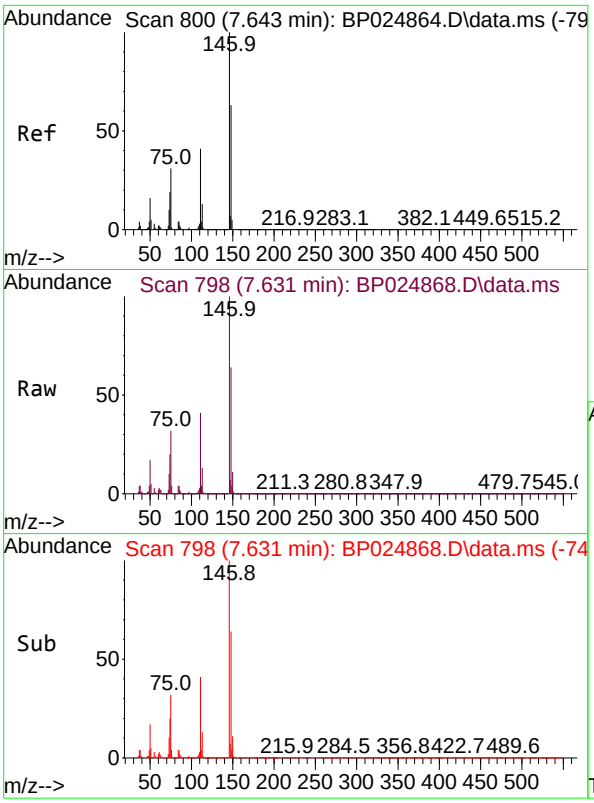


#12
1,3-Dichlorobenzene
Concen: 37.402 ng
RT: 7.490 min Scan# 774
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:146 Resp: 735256

Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.8	77.8
75	30.0	25.3	37.9

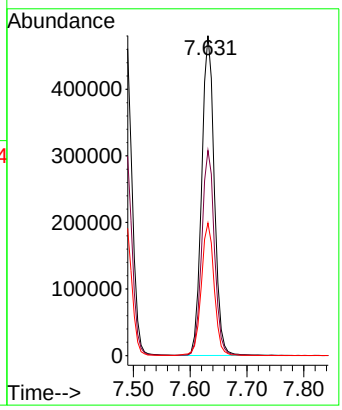




#13
1,4-Dichlorobenzene
Concen: 37.417 ng
RT: 7.631 min Scan# 79
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:146 Resp: 74218

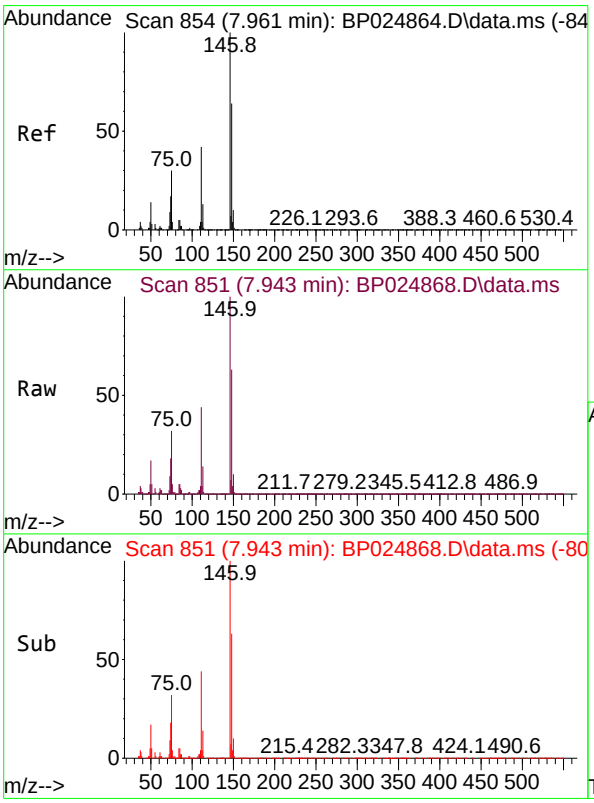
Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.8	76.2
111	41.4	32.7	49.1



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED

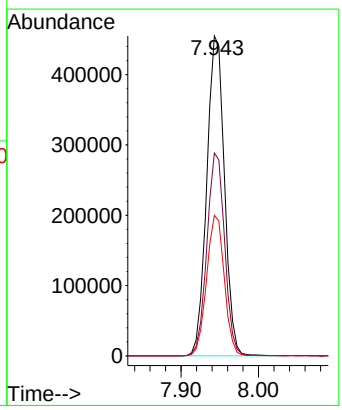
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

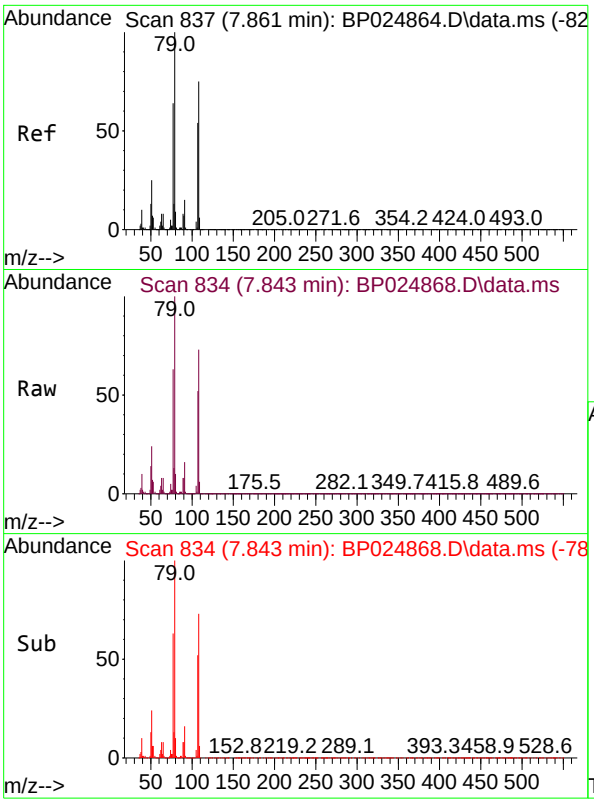


#14
1,2-Dichlorobenzene
Concen: 37.071 ng
RT: 7.943 min Scan# 851
Delta R.T. -0.018 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:146 Resp: 722064

Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.0	76.4
111	43.9	33.8	50.8

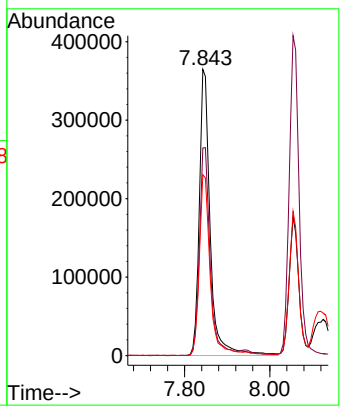




#15
Benzyl Alcohol
Concen: 40.859 ng
RT: 7.843 min Scan# 8
Delta R.T. -0.018 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion: 79 Resp: 64493

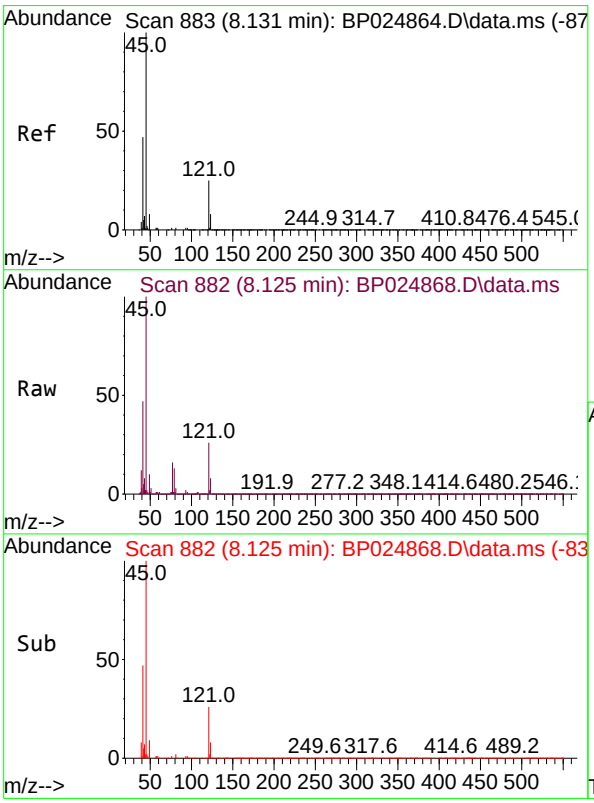
Ion	Ratio	Lower	Upper
79	100		
108	72.6	60.2	90.4
77	63.2	51.2	76.8



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED

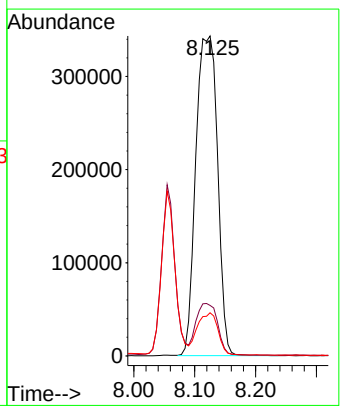
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

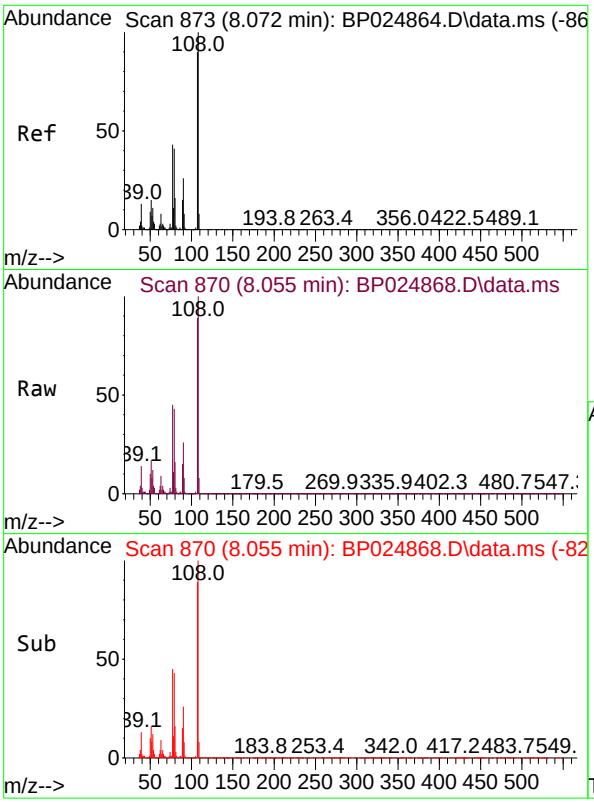


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.927 ng
RT: 8.125 min Scan# 882
Delta R.T. -0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion: 45 Resp: 849644

Ion	Ratio	Lower	Upper
45	100		
77	15.8	0.0	36.3
79	13.5	0.0	32.2

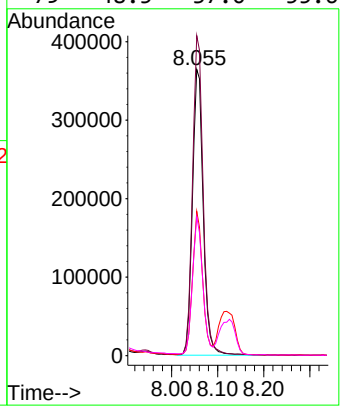




#17
2-Methylphenol
Concen: 39.981 ng
RT: 8.055 min Scan# 8
Delta R.T. -0.018 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:107 Resp: 591959

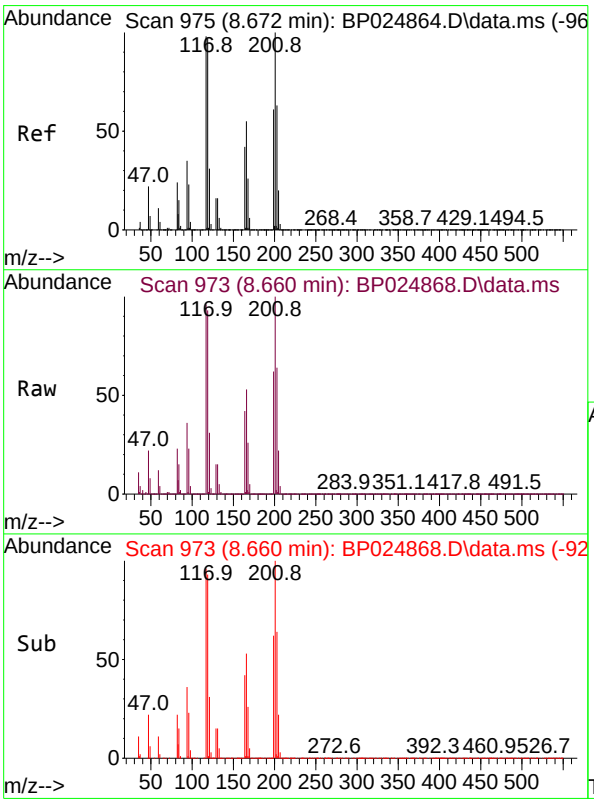
Ion	Ratio	Lower	Upper
107	100		
108	111.8	88.6	132.8
77	50.4	38.5	57.7
79	48.5	37.0	55.6



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED

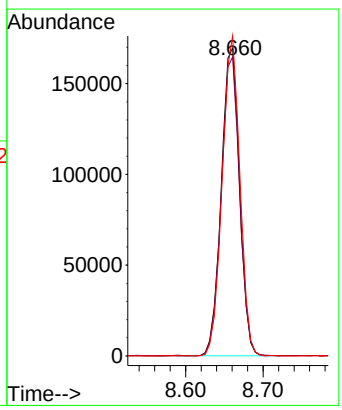
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

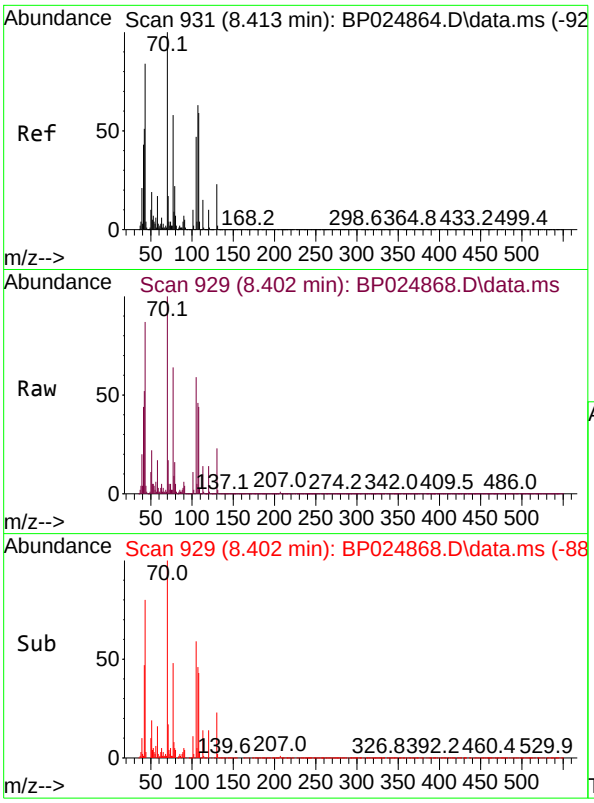


#18
Hexachloroethane
Concen: 37.151 ng
RT: 8.660 min Scan# 973
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:117 Resp: 277433

Ion	Ratio	Lower	Upper
117	100		
119	97.1	79.4	119.2
201	104.0	81.4	122.2

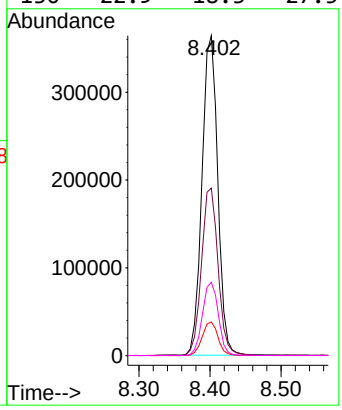




#19
n-Nitroso-di-n-propylamine
Concen: 40.009 ng
RT: 8.402 min Scan# 9
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion: 70 Resp: 55938

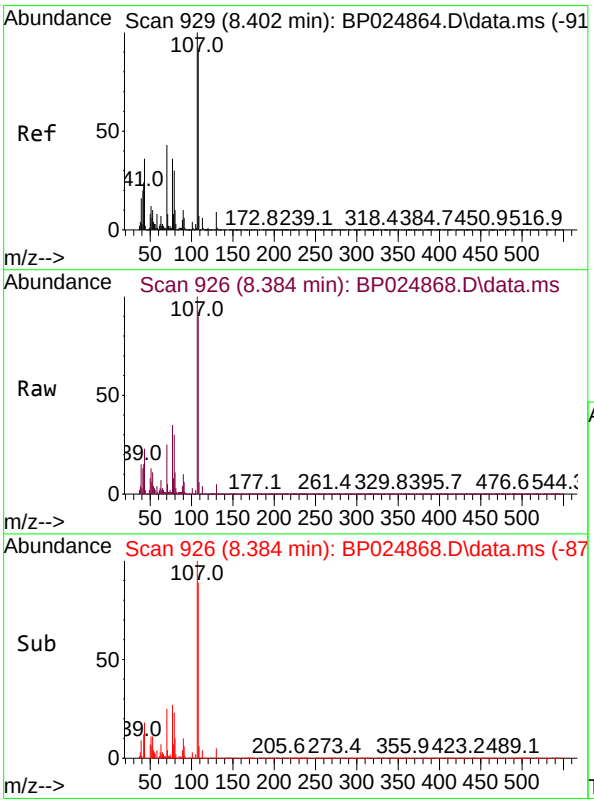
Ion	Ratio	Lower	Upper
70	100		
42	52.3	41.2	61.8
101	10.5	8.3	12.5
130	22.9	18.3	27.5



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED

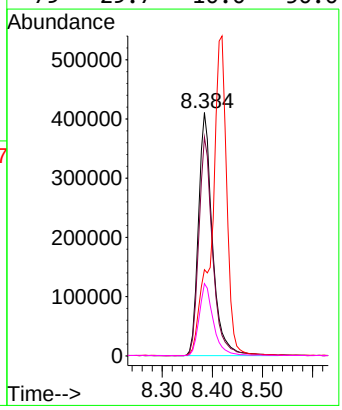
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

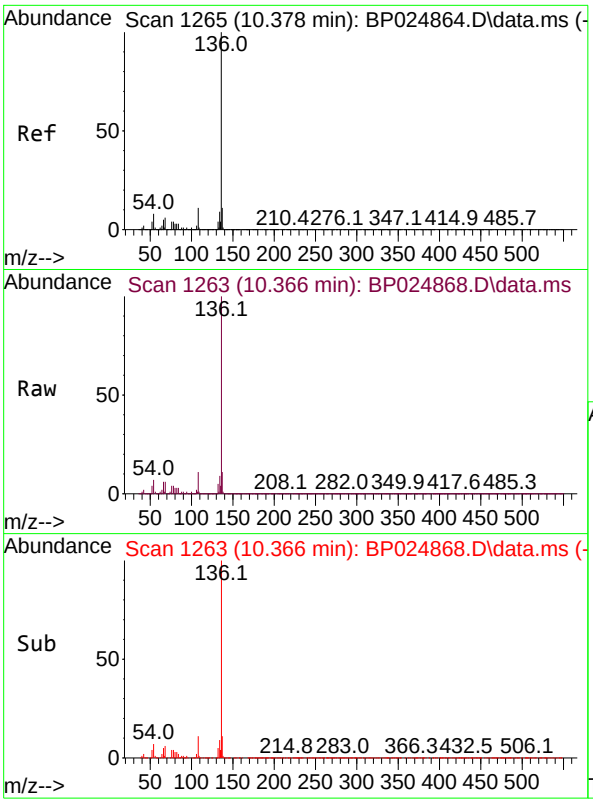


#20
3+4-Methylphenols
Concen: 39.466 ng
RT: 8.384 min Scan# 926
Delta R.T. -0.018 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:107 Resp: 797217

Ion	Ratio	Lower	Upper
107	100		
108	89.9	70.7	110.7
77	35.4	16.6	56.6
79	29.7	10.0	50.0

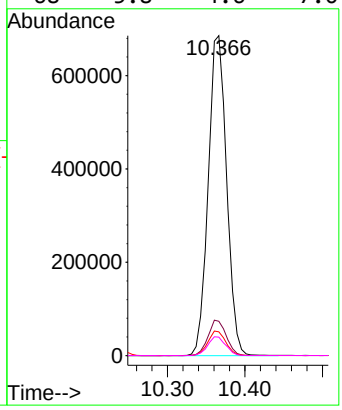




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.366 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:136 Resp: 112988

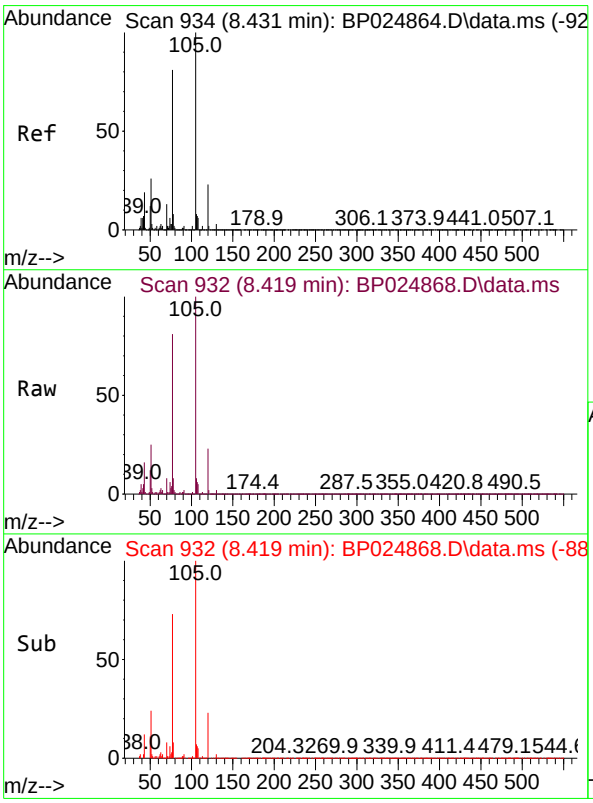
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	7.4	6.1	9.1
68	5.8	4.6	7.0



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED

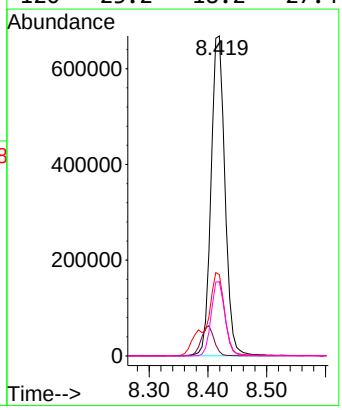
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

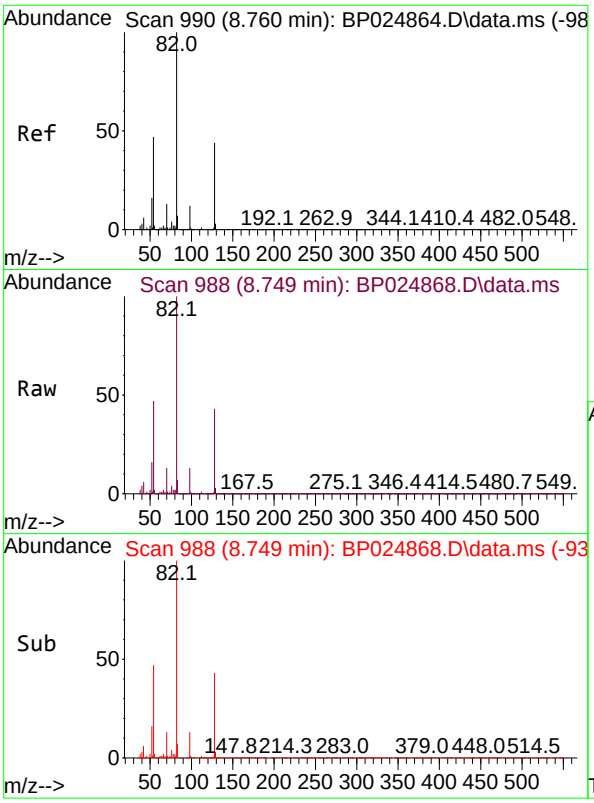


#22
Acetophenone
Concen: 38.549 ng
RT: 8.419 min Scan# 932
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:105 Resp: 1100455

Ion	Ratio	Lower	Upper
105	100		
71	1.4	1.6	2.4#
51	25.4	20.6	31.0
120	23.2	18.2	27.4

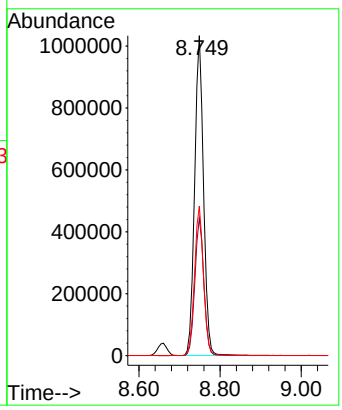




#23
Nitrobenzene-d5
Concen: 67.150 ng
RT: 8.749 min Scan# 98
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion: 82 Resp: 156136

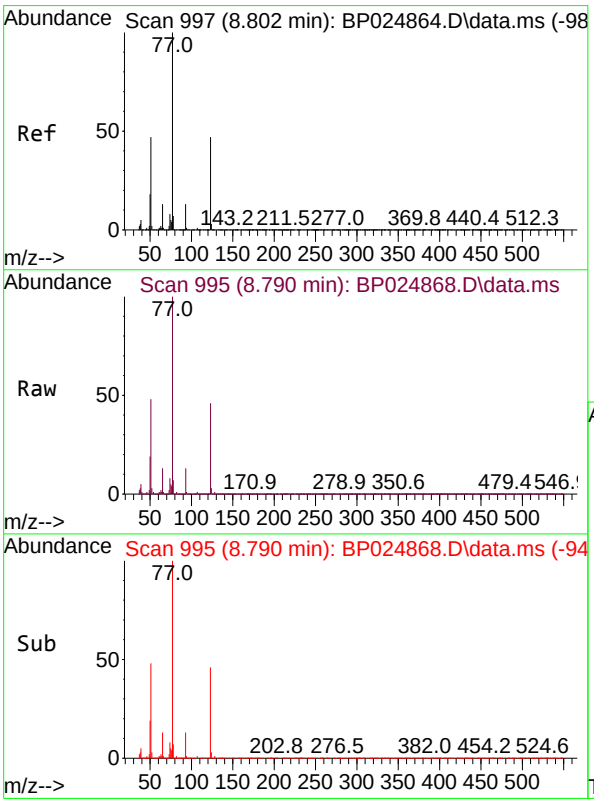
Ion	Ratio	Lower	Upper
82	100		
128	43.0	35.3	52.9
54	46.7	37.4	56.0



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED

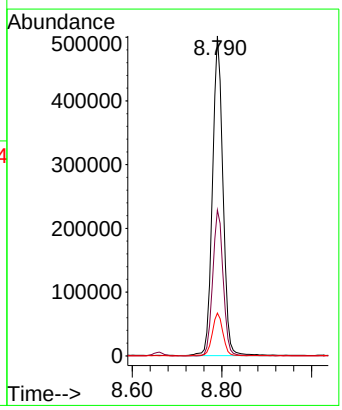
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

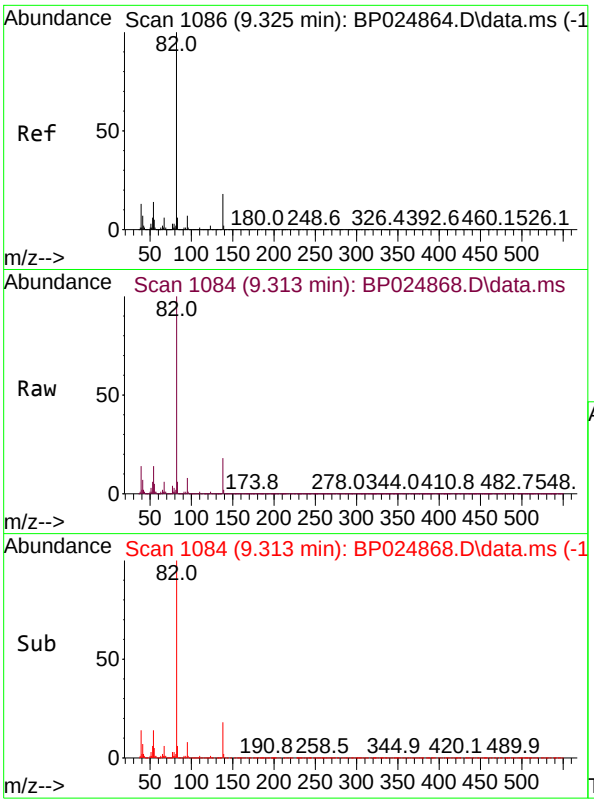


#24
Nitrobenzene
Concen: 39.258 ng
RT: 8.790 min Scan# 995
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion: 77 Resp: 810932

Ion	Ratio	Lower	Upper
77	100		
123	45.6	37.3	55.9
65	13.4	10.8	16.2





#25
Isophorone
Concen: 39.109 ng
RT: 9.313 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

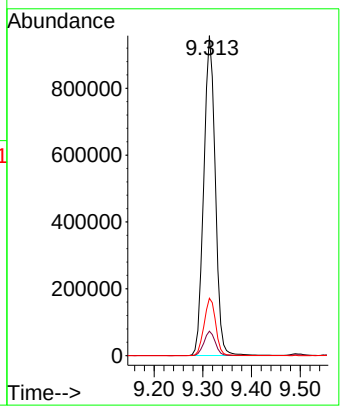
Tgt Ion: 82 Resp: 157603

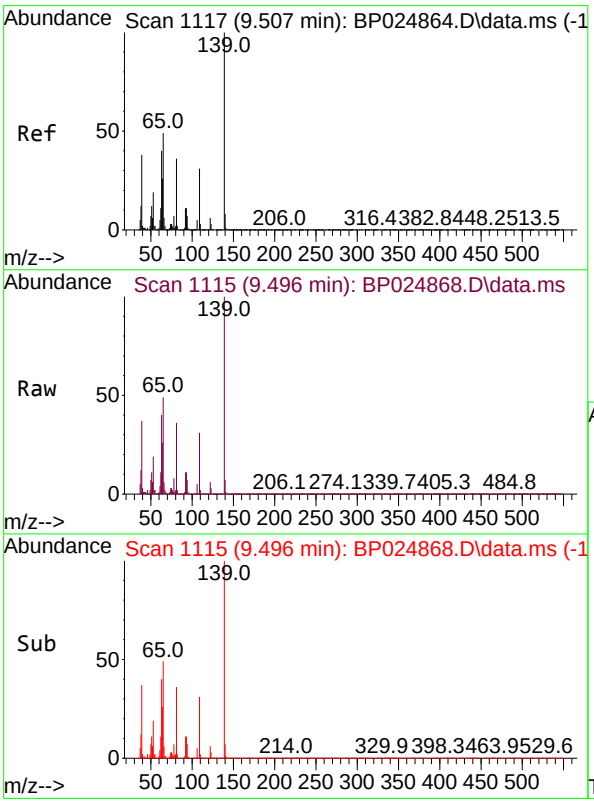
Ion	Ratio	Lower	Upper
82	100		
95	7.6	5.9	8.9
138	17.9	14.6	21.8

Instrument :
BNA_P
ClientSampleId :
ICVBP060625

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Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

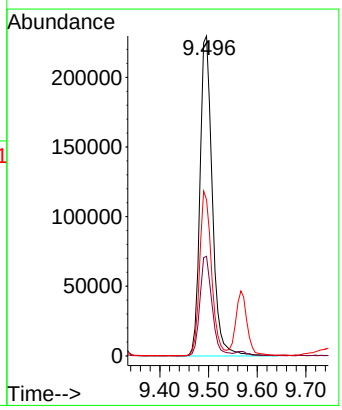


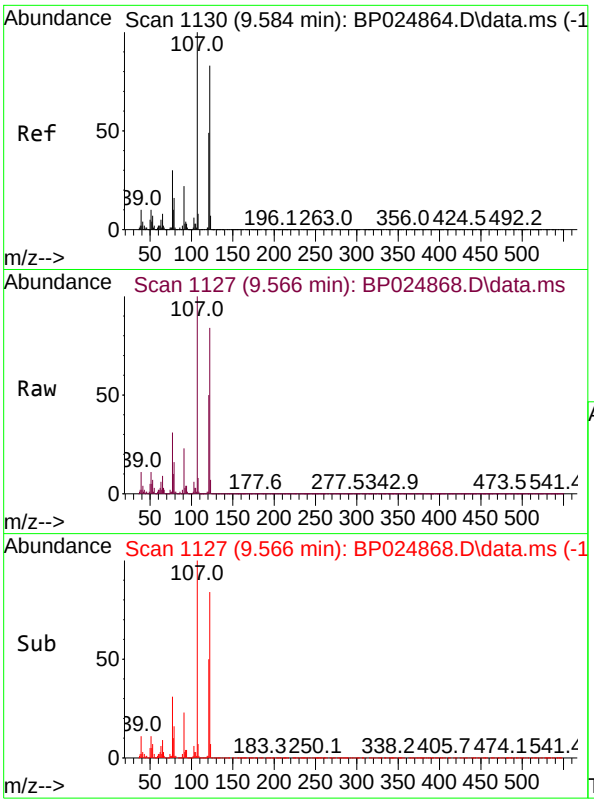


#26
2-Nitrophenol
Concen: 39.558 ng
RT: 9.496 min Scan# 1115
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:139 Resp: 403179

Ion	Ratio	Lower	Upper
139	100		
109	31.1	24.6	37.0
65	48.9	39.5	59.3





#27
2,4-Dimethylphenol
Concen: 38.761 ng
RT: 9.566 min Scan# 11
Delta R.T. -0.018 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

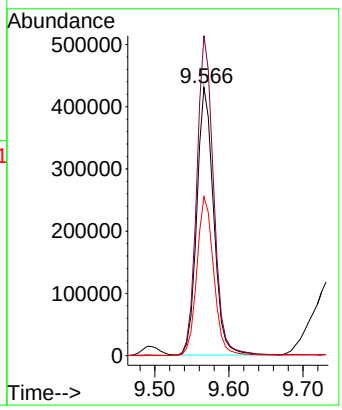
Tgt Ion:122 Resp: 67610

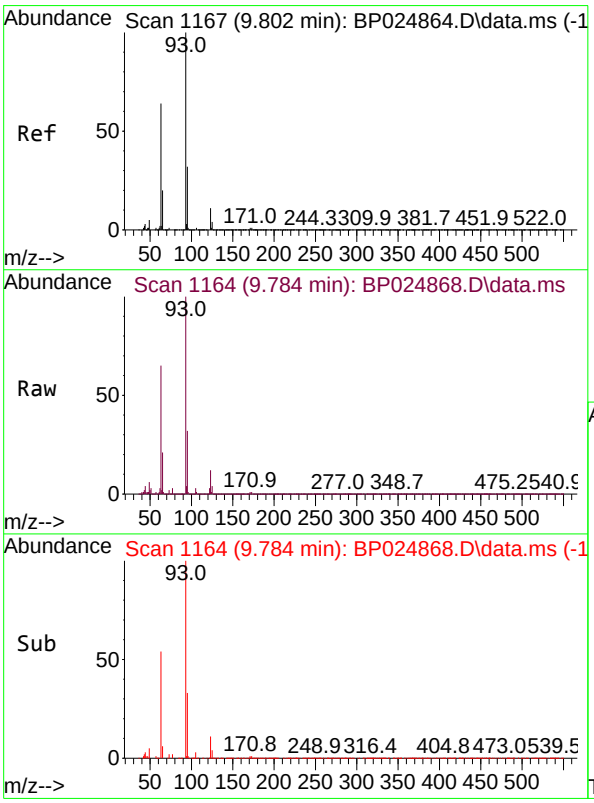
Ion	Ratio	Lower	Upper
122	100		
107	119.3	96.2	144.4
121	59.3	47.0	70.4

Instrument :
BNA_P
ClientSampleId :
ICVBP060625

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Reviewed By :Rahul Chavli 06/09/2025
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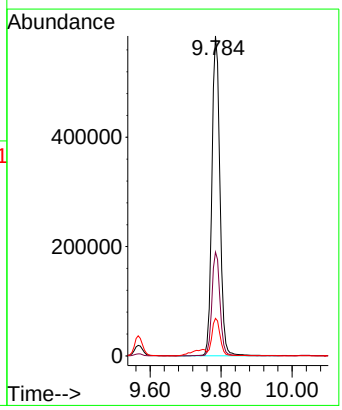


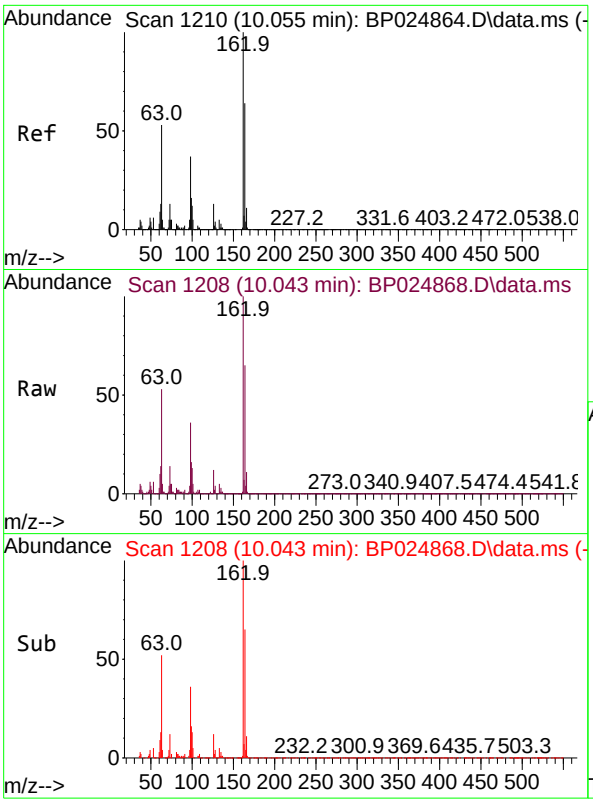


#28
bis(2-Chloroethoxy)methane
Concen: 38.351 ng
RT: 9.784 min Scan# 1164
Delta R.T. -0.018 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion: 93 Resp: 921897

Ion	Ratio	Lower	Upper
93	100		
95	32.4	25.5	38.3
123	11.7	9.2	13.8

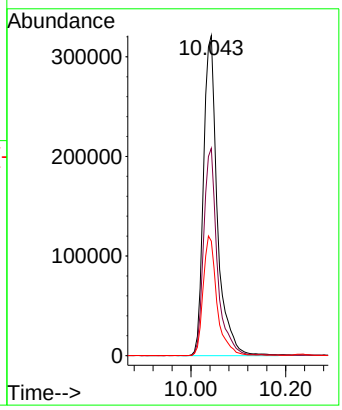




#29
2,4-Dichlorophenol
Concen: 39.046 ng
RT: 10.043 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:162 Resp: 65349

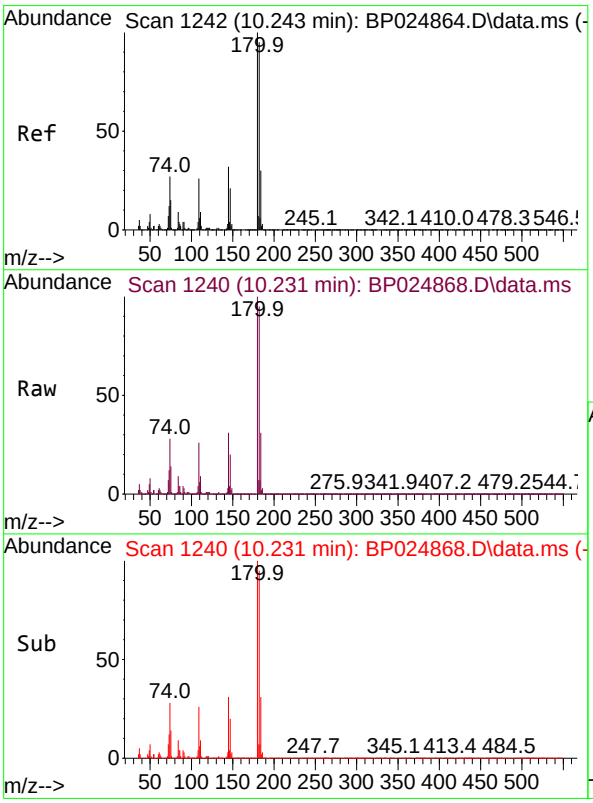
Ion	Ratio	Lower	Upper
162	100		
164	64.8	44.0	84.0
98	35.8	16.9	56.9



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED

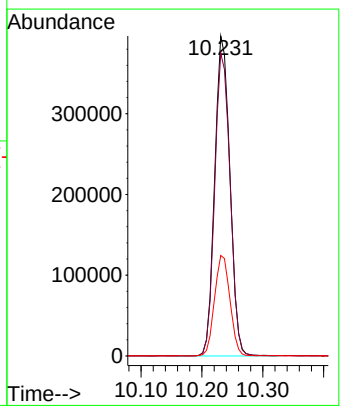
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

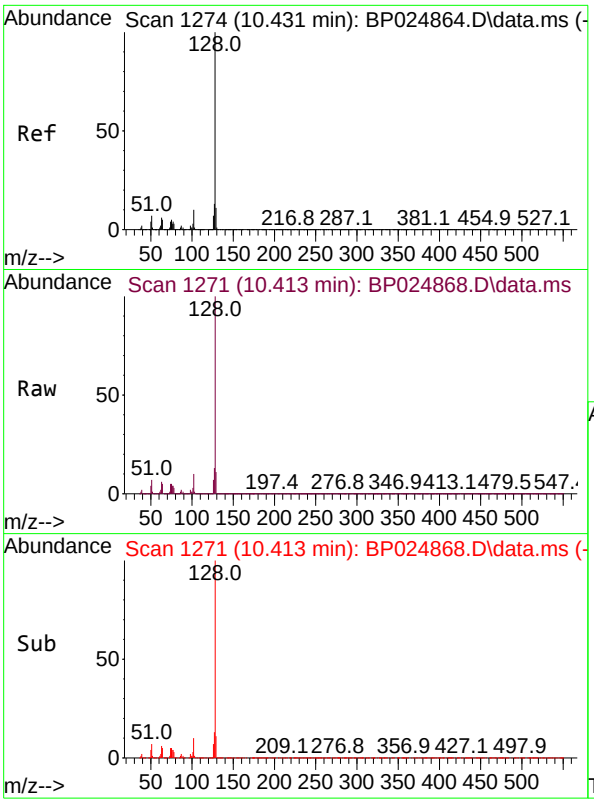


#30
1,2,4-Trichlorobenzene
Concen: 36.514 ng
RT: 10.231 min Scan# 1240
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:180 Resp: 689288

Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.8	113.6
145	31.4	25.7	38.5

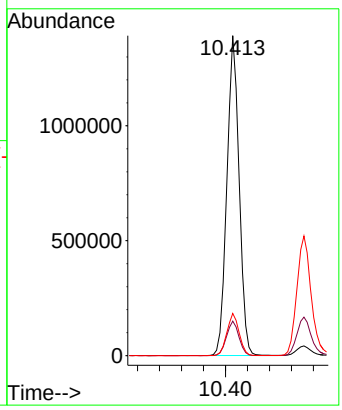




#31
Naphthalene
Concen: 37.089 ng
RT: 10.413 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:128 Resp: 214753

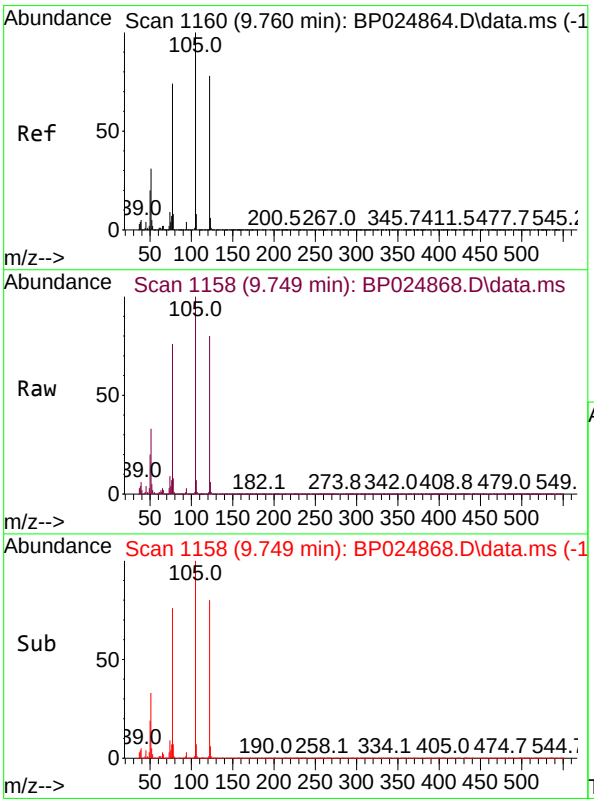
Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.7	13.1
127	13.2	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED

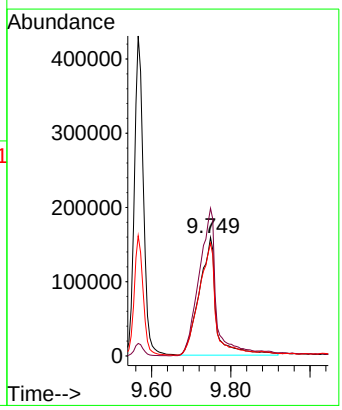
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Supervised By :Jagrut Upadhyay 06/09/2025

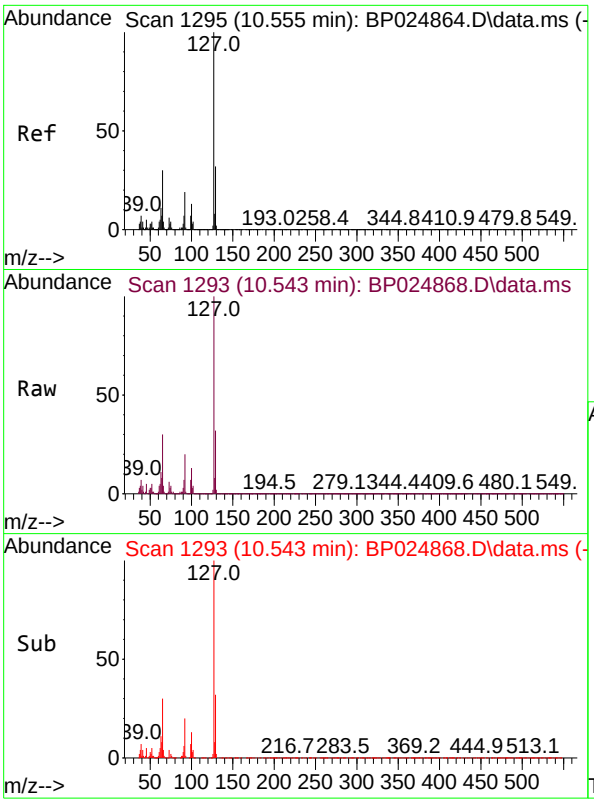


#32
Benzoic acid
Concen: 40.420 ng
RT: 9.749 min Scan# 1158
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:122 Resp: 476446

Ion	Ratio	Lower	Upper
122	100		
105	124.6	107.1	147.1
77	95.2	75.1	115.1

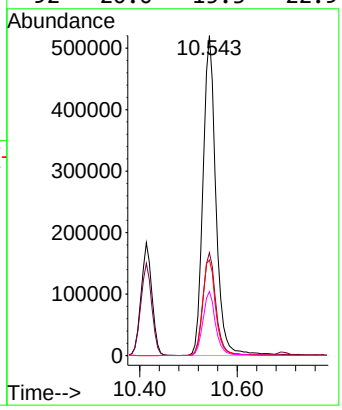




#33
4-Chloroaniline
Concen: 39.581 ng
RT: 10.543 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:127 Resp: 96018

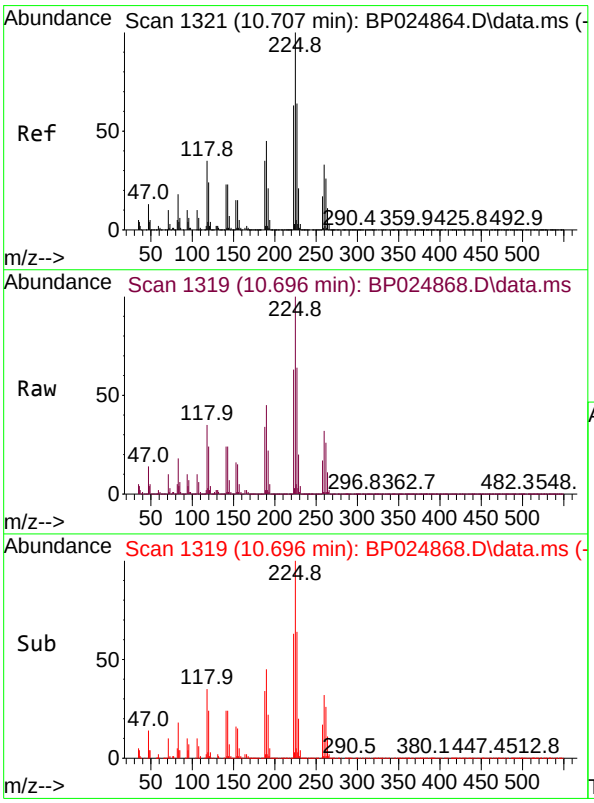
Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.9	38.9
65	29.9	23.9	35.9
92	20.0	15.3	22.9



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

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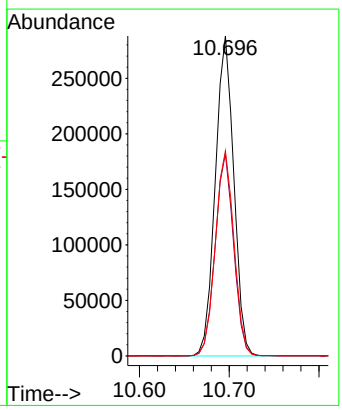
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

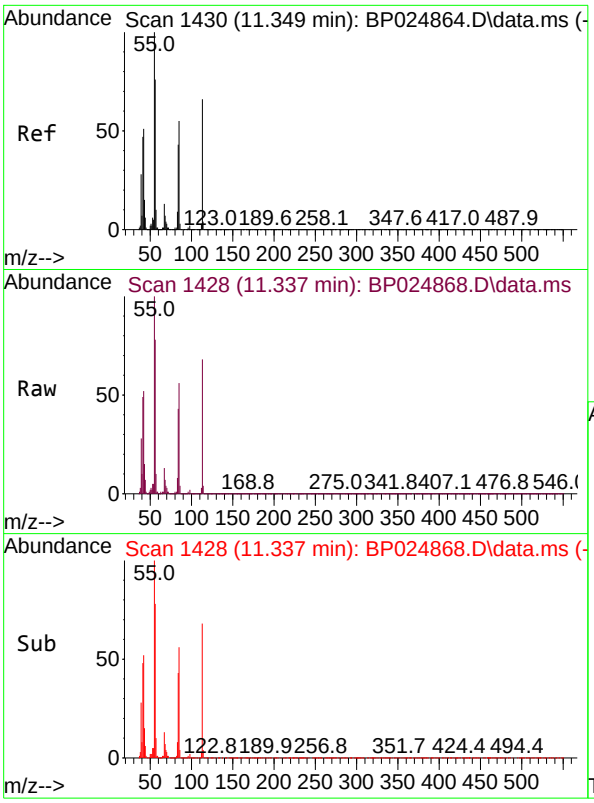


#34
Hexachlorobutadiene
Concen: 36.314 ng
RT: 10.696 min Scan# 1319
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:225 Resp: 413168

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.5	75.7
227	64.1	51.4	77.2





#35
Caprolactam
Concen: 41.229 ng
RT: 11.337 min Scan# 14
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

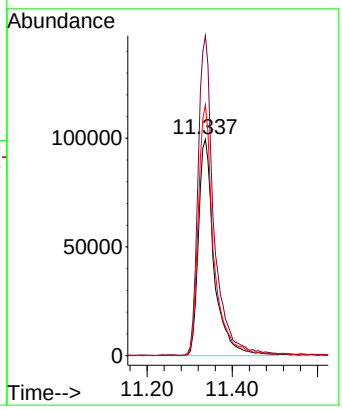
Tgt Ion:113 Resp: 25400

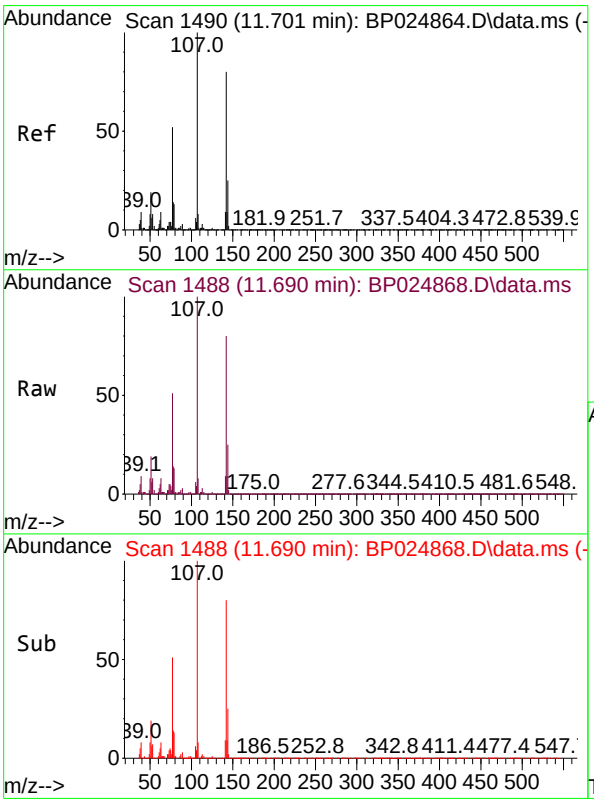
Ion	Ratio	Lower	Upper
113	100		
55	147.9	132.5	172.5
56	116.0	96.0	136.0

Instrument :
BNA_P
ClientSampleId :
ICVBP060625

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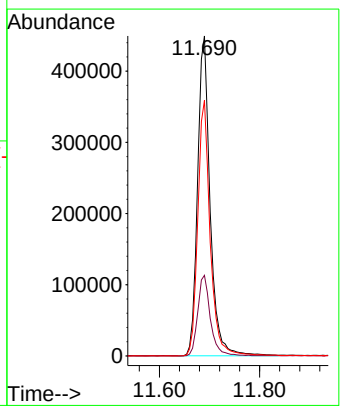


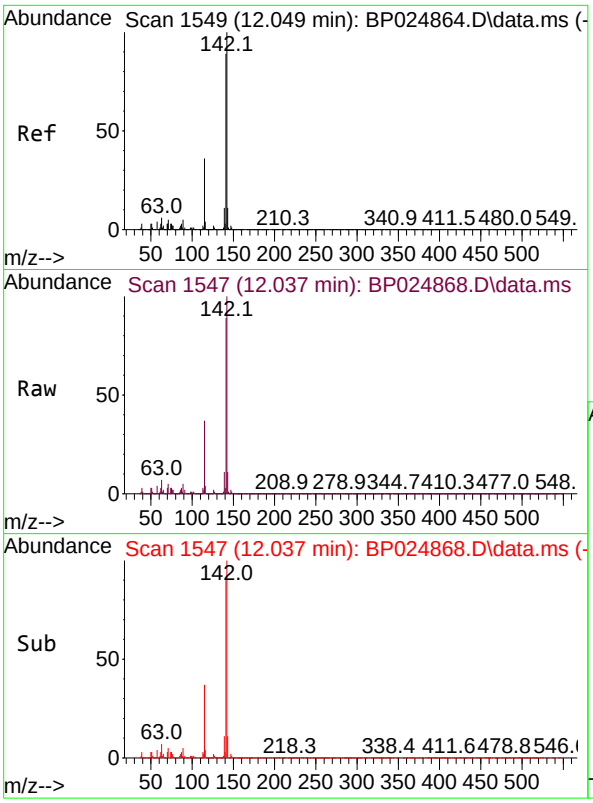


#36
4-Chloro-3-methylphenol
Concen: 40.474 ng
RT: 11.690 min Scan# 1488
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:107 Resp: 781340

Ion	Ratio	Lower	Upper
107	100		
144	25.2	20.4	30.6
142	79.8	63.8	95.6

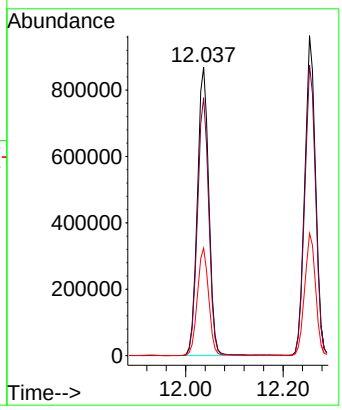




#37
2-Methylnaphthalene
Concen: 38.430 ng
RT: 12.037 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:142 Resp: 141148

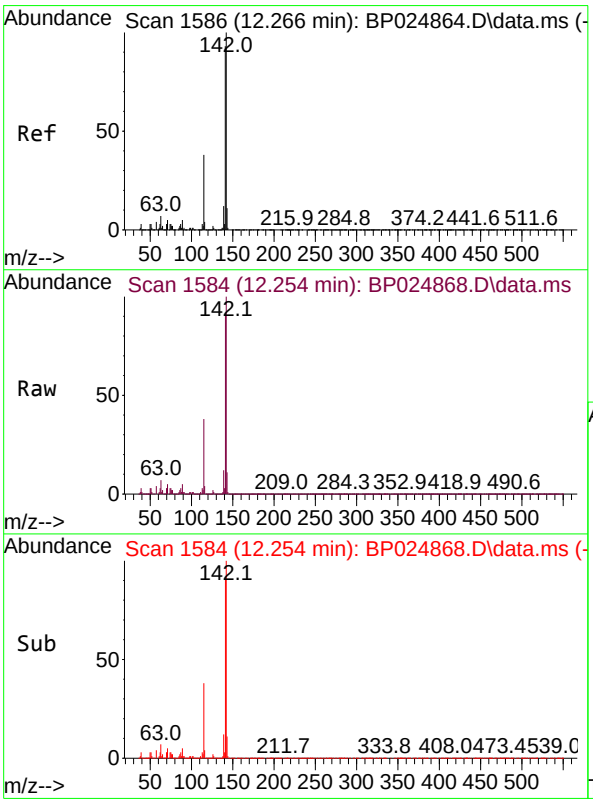
Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.2	106.8
115	37.2	28.5	42.7



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED

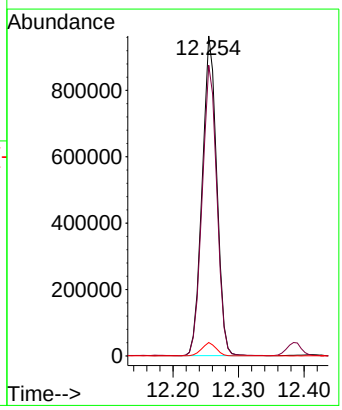
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

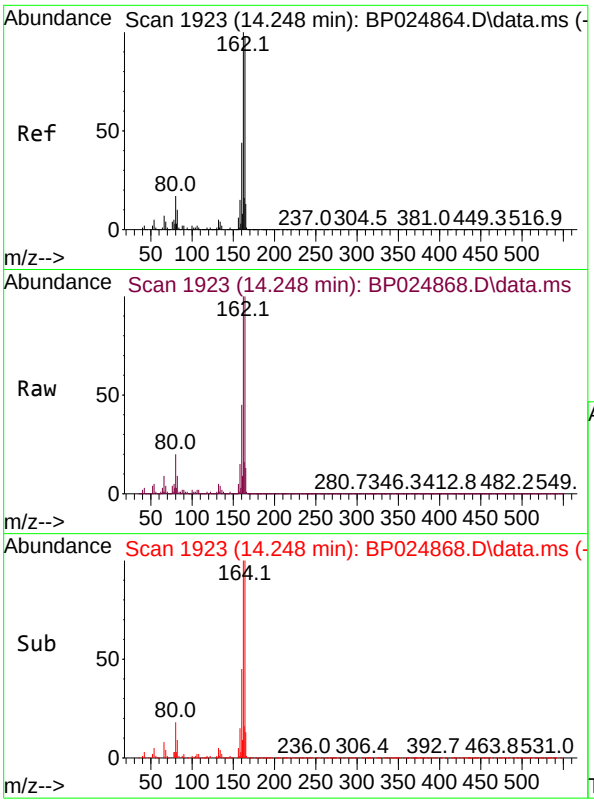


#38
1-Methylnaphthalene
Concen: 37.674 ng
RT: 12.254 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:142 Resp: 1479329

Ion	Ratio	Lower	Upper
142	100		
141	90.8	74.7	112.1
116	4.2	3.4	5.0

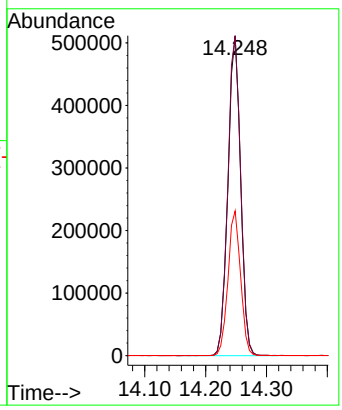




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.248 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:164 Resp: 73487

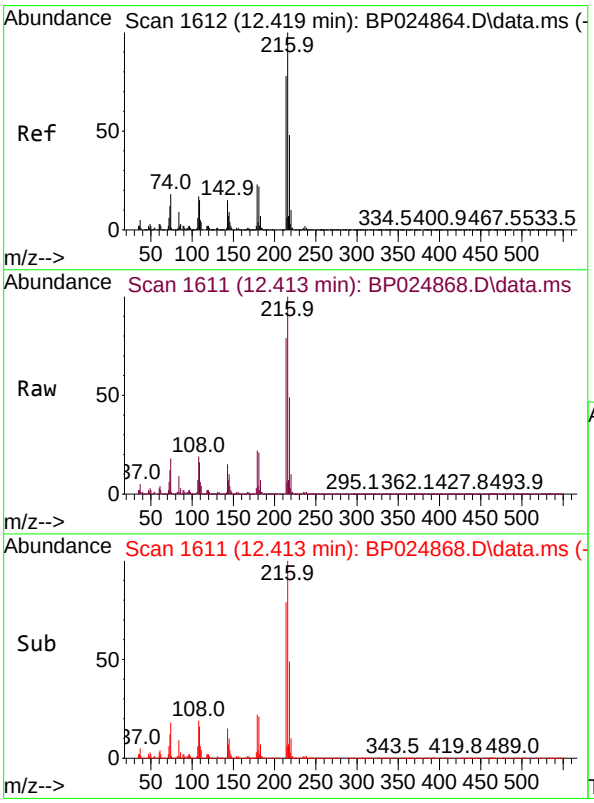
Ion	Ratio	Lower	Upper
164	100		
162	99.8	81.6	122.4
160	45.2	36.2	54.2



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED

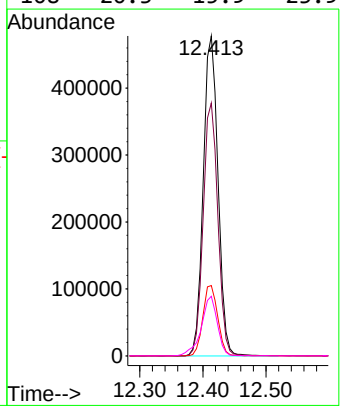
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

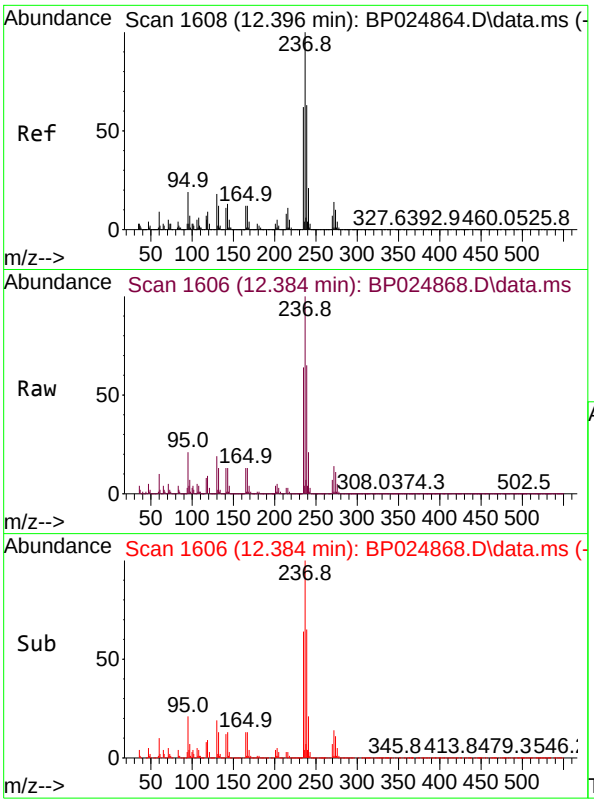


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.136 ng
RT: 12.413 min Scan# 1611
Delta R.T. -0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:216 Resp: 774379

Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.0	94.4
179	22.2	17.8	26.6
108	20.3	15.9	23.9





#41
Hexachlorocyclopentadiene
Concen: 38.177 ng
RT: 12.384 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

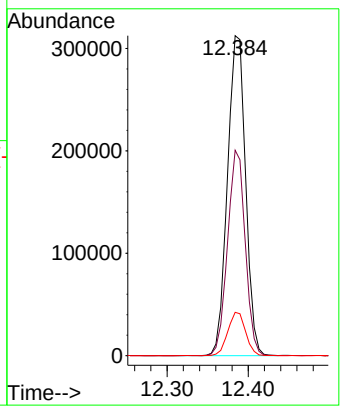
Tgt Ion:237 Resp: 48556

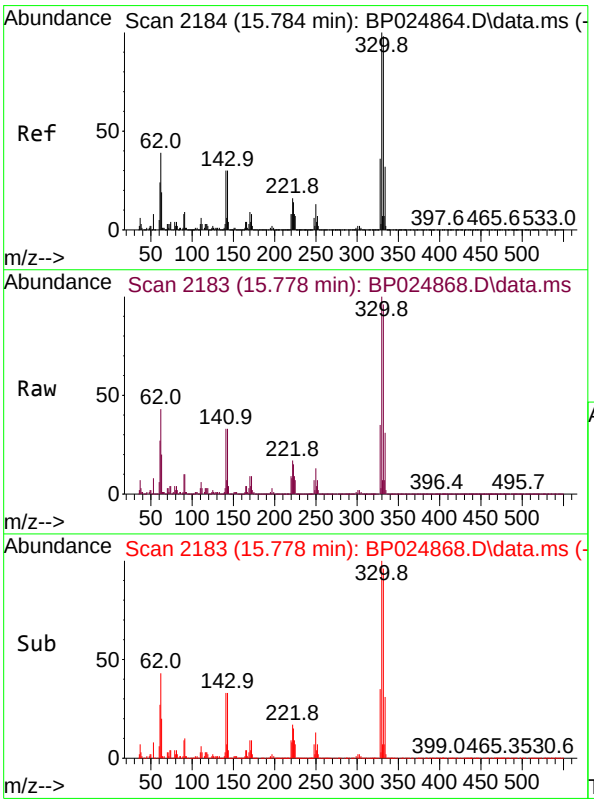
Ion	Ratio	Lower	Upper
237	100		
235	64.2	41.9	81.9
272	13.5	0.0	33.7

Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations
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Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

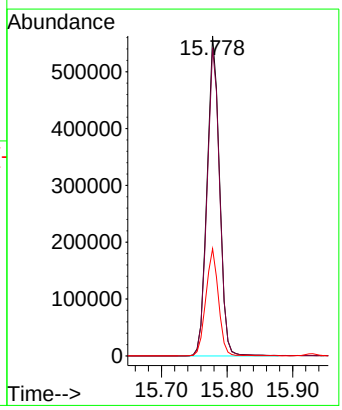


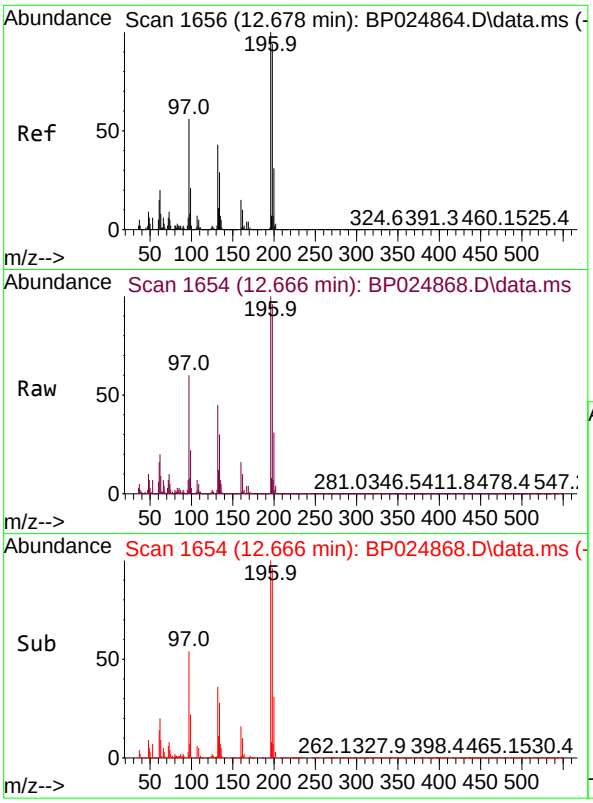


#42
2,4,6-Tribromophenol
Concen: 73.160 ng
RT: 15.778 min Scan# 2183
Delta R.T. -0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:330 Resp: 743311

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.7	116.5
141	33.7	26.4	39.6

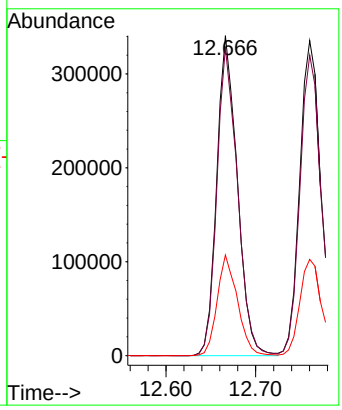




#43
2,4,6-Trichlorophenol
Concen: 38.812 ng
RT: 12.666 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:196 Resp: 54352

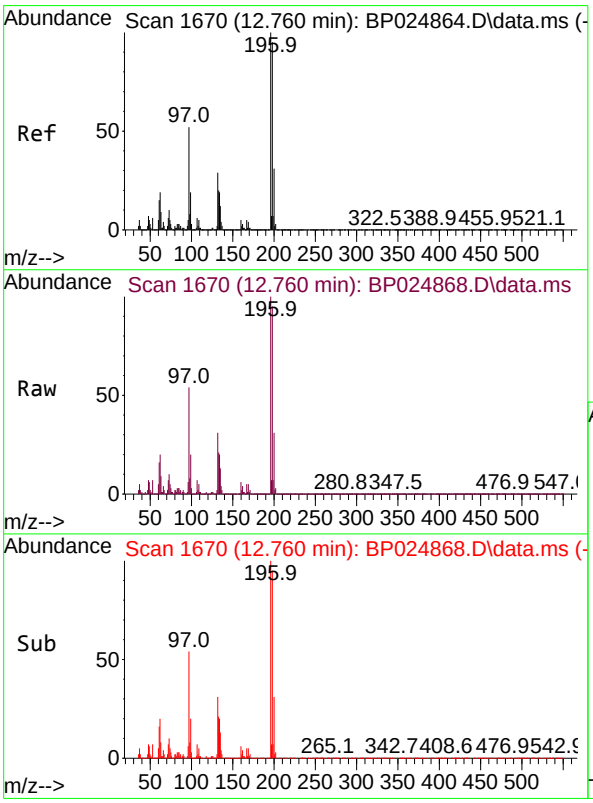
Ion	Ratio	Lower	Upper
196	100		
198	96.2	75.4	113.0
200	31.4	24.4	36.6



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED

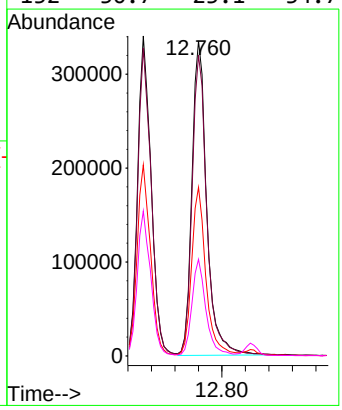
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

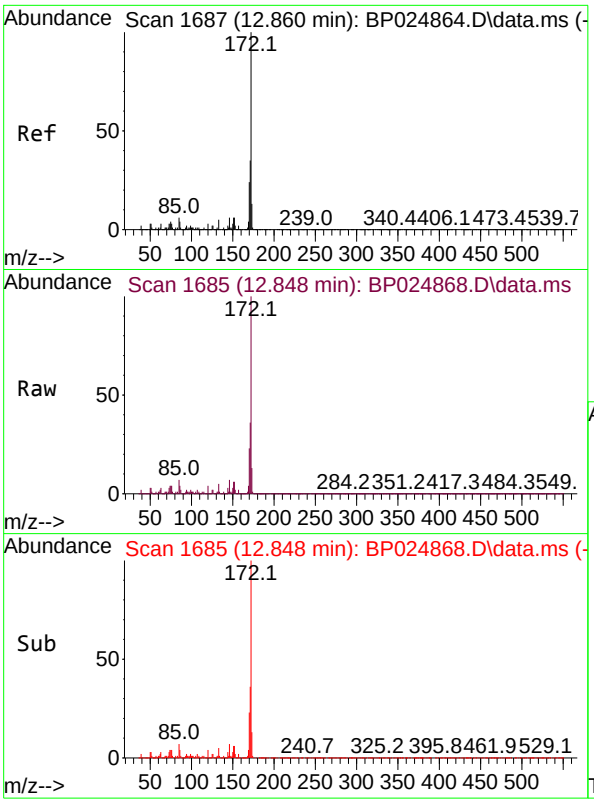


#44
2,4,5-Trichlorophenol
Concen: 39.064 ng
RT: 12.760 min Scan# 1670
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:196 Resp: 585859

Ion	Ratio	Lower	Upper
196	100		
198	95.4	76.0	114.0
97	53.5	41.5	62.3
132	30.7	23.1	34.7

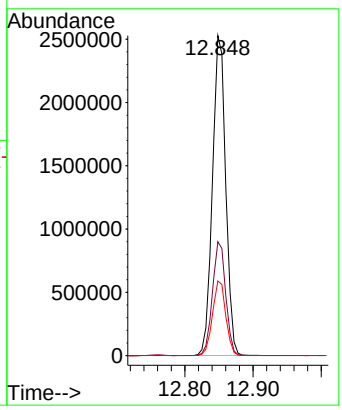




#45
2-Fluorobiphenyl
Concen: 62.434 ng
RT: 12.848 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:172 Resp: 340585

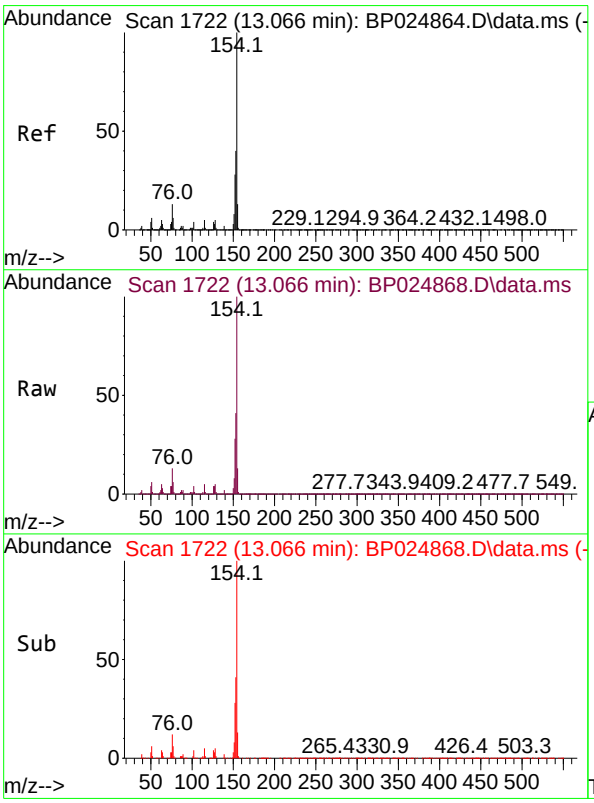
Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.3	42.5
170	23.3	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED

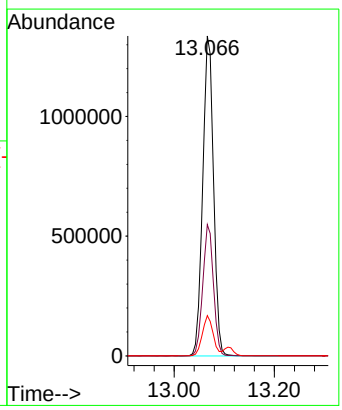
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

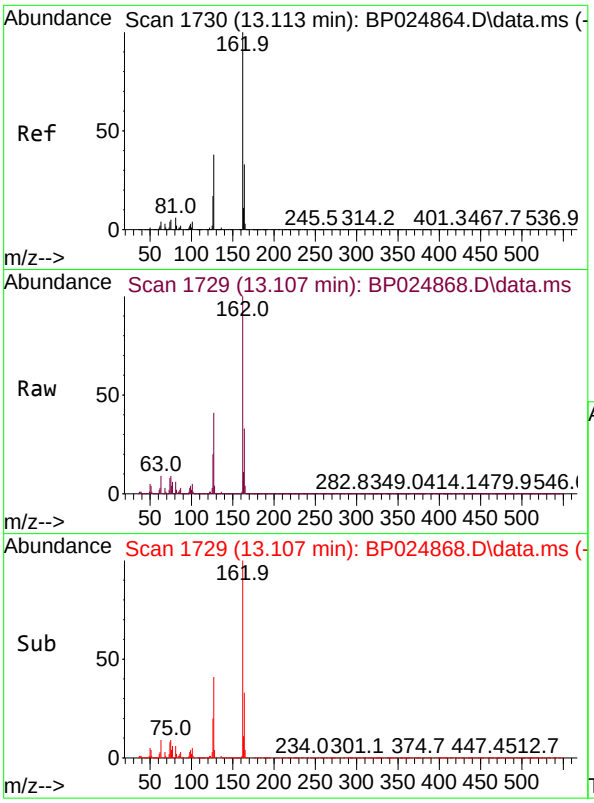


#46
1,1'-Biphenyl
Concen: 37.502 ng
RT: 13.066 min Scan# 1722
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:154 Resp: 2002791

Ion	Ratio	Lower	Upper
154	100		
153	41.0	20.3	60.3
76	12.6	0.0	33.0

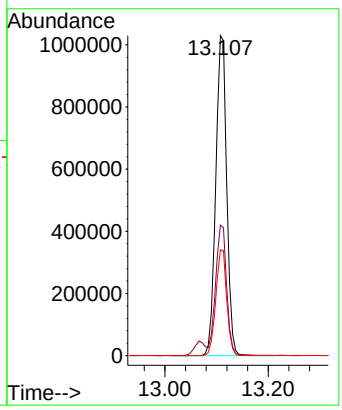




#47
2-Chloronaphthalene
Concen: 36.886 ng
RT: 13.107 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:162 Resp: 151403

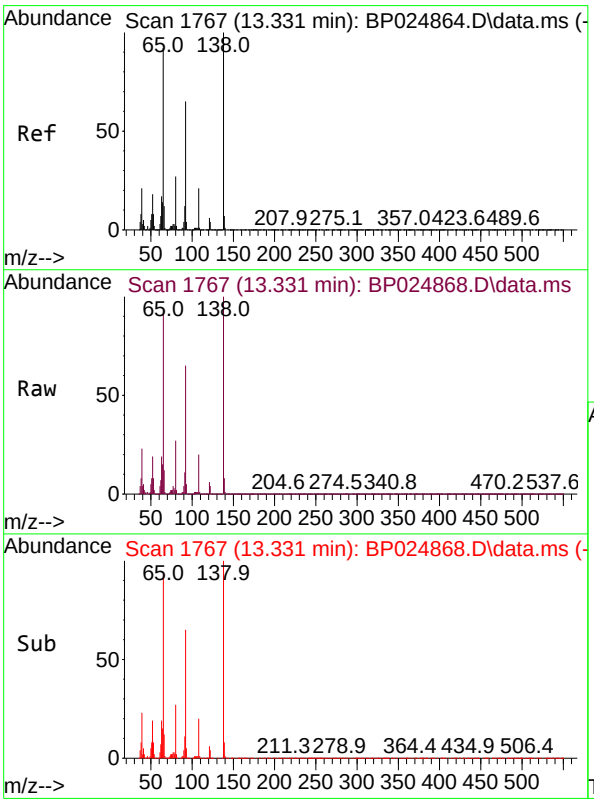
Ion	Ratio	Lower	Upper
162	100		
127	40.7	32.5	48.7
164	33.1	26.2	39.2



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED

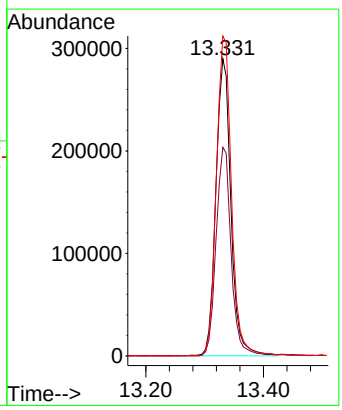
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

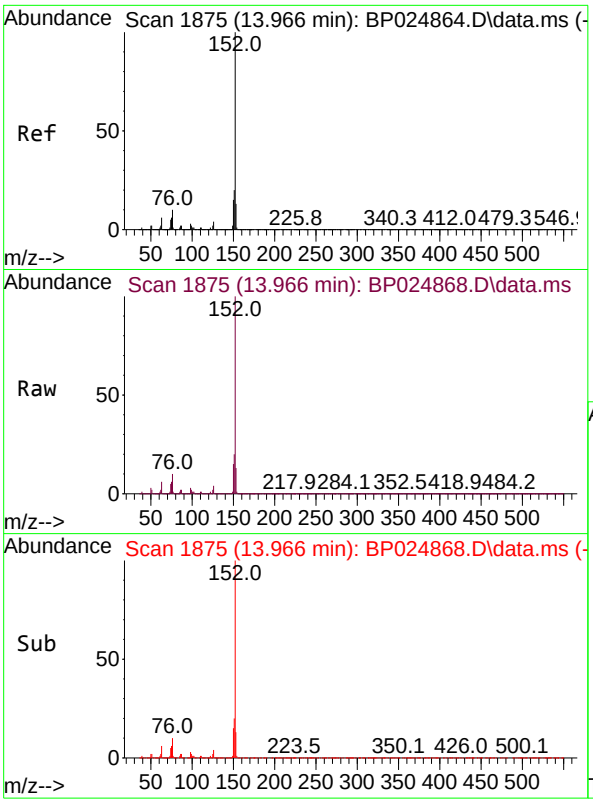


#48
2-Nitroaniline
Concen: 40.813 ng
RT: 13.331 min Scan# 1767
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion: 65 Resp: 515024

Ion	Ratio	Lower	Upper
65	100		
92	70.2	56.8	85.2
138	107.7	86.9	130.3

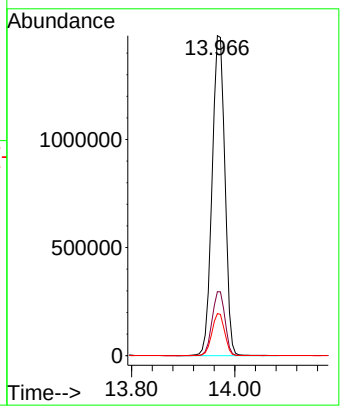




#49
Acenaphthylene
Concen: 37.274 ng
RT: 13.966 min Scan# 18
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:152 Resp: 255102

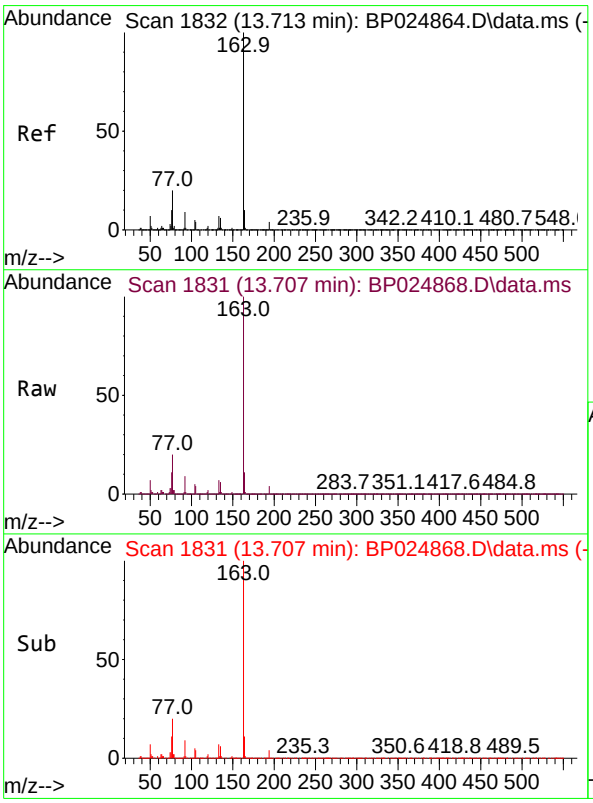
Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.2	24.2
153	13.1	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED

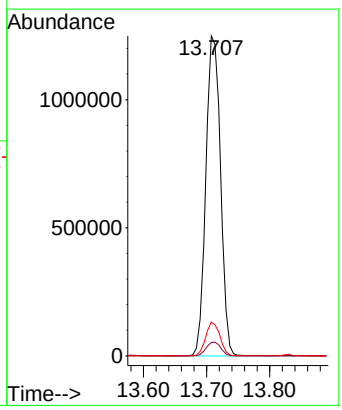
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

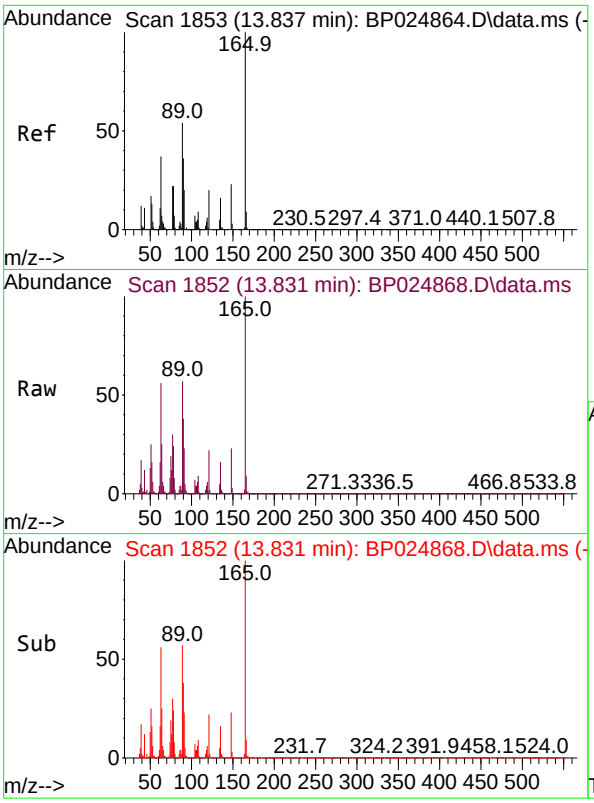


#50
Dimethylphthalate
Concen: 37.185 ng
RT: 13.707 min Scan# 1831
Delta R.T. -0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:163 Resp: 2015820

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.6	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 38.111 ng
RT: 13.831 min Scan# 18
Delta R.T. -0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

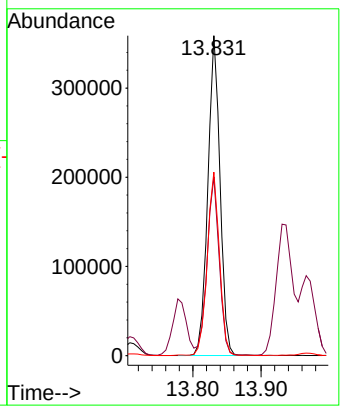
Tgt Ion:165 Resp: 44539

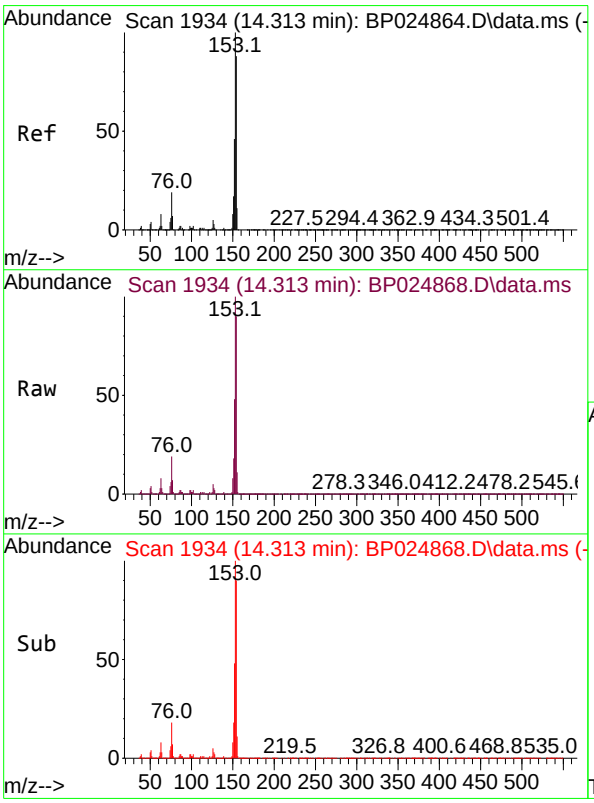
Ion	Ratio	Lower	Upper
165	100		
63	55.8	41.8	62.8
89	57.3	43.1	64.7

Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

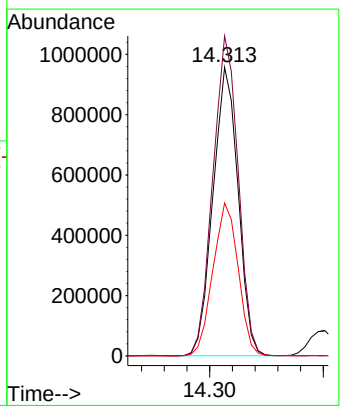


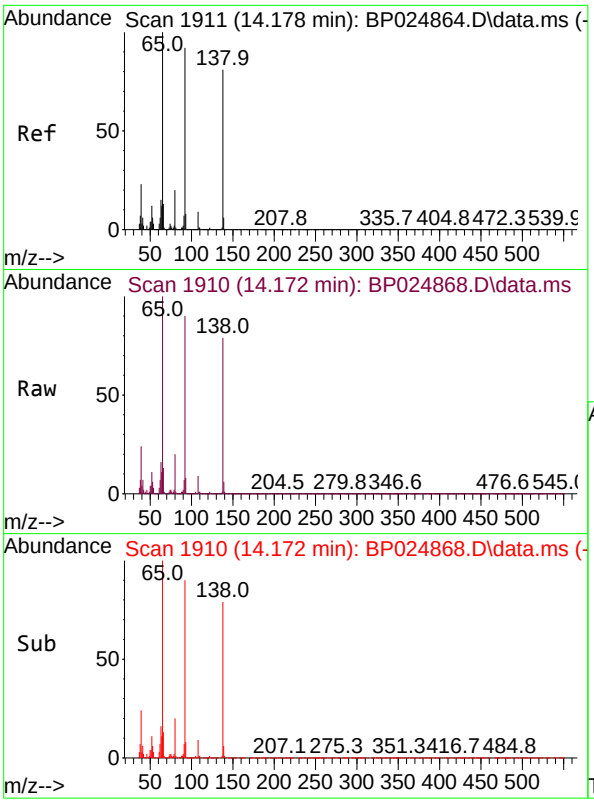


#52
Acenaphthene
Concen: 37.472 ng
RT: 14.313 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:154 Resp: 1469566

Ion	Ratio	Lower	Upper
154	100		
153	110.9	90.5	135.7
152	53.0	42.1	63.1

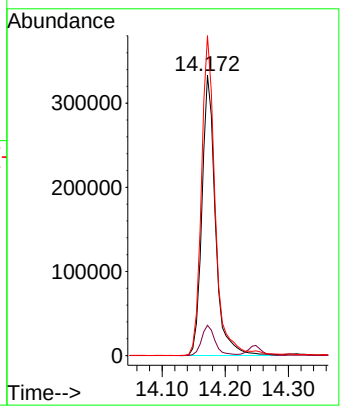




#53
3-Nitroaniline
Concen: 40.626 ng
RT: 14.172 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:138 Resp: 49271

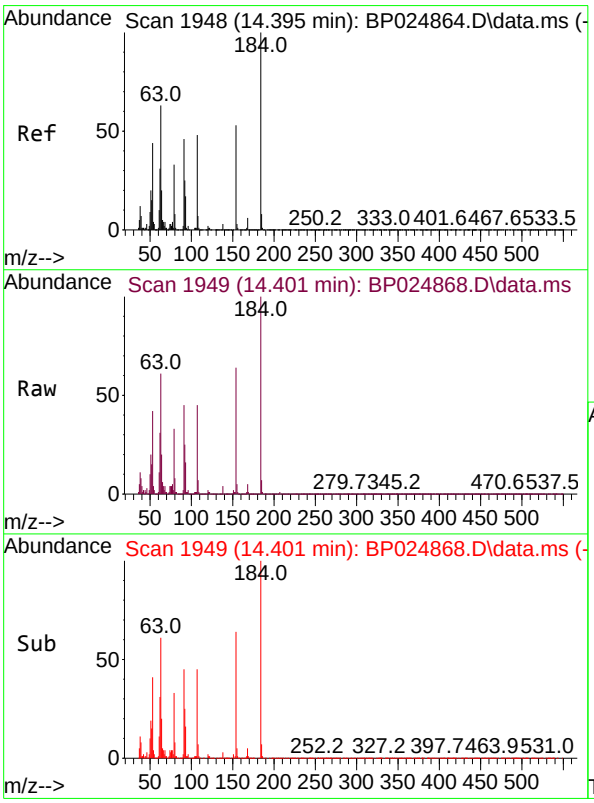
Ion	Ratio	Lower	Upper
138	100		
108	10.8	8.6	12.8
92	114.2	91.3	136.9



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED

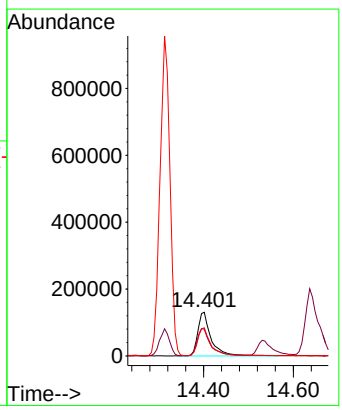
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

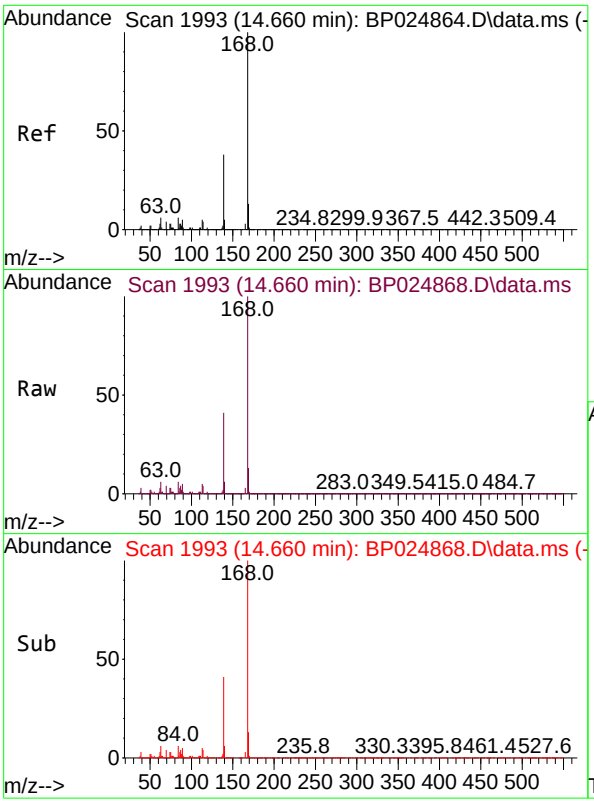


#54
2,4-Dinitrophenol
Concen: 38.197 ng
RT: 14.401 min Scan# 1949
Delta R.T. 0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:184 Resp: 266900

Ion	Ratio	Lower	Upper
184	100		
63	61.0	51.0	76.4
154	64.2	51.7	77.5

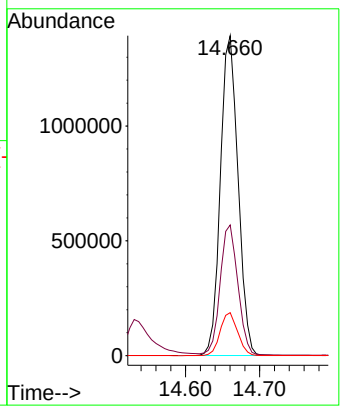




#55
Dibenzofuran
Concen: 36.605 ng
RT: 14.660 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:168 Resp: 230434

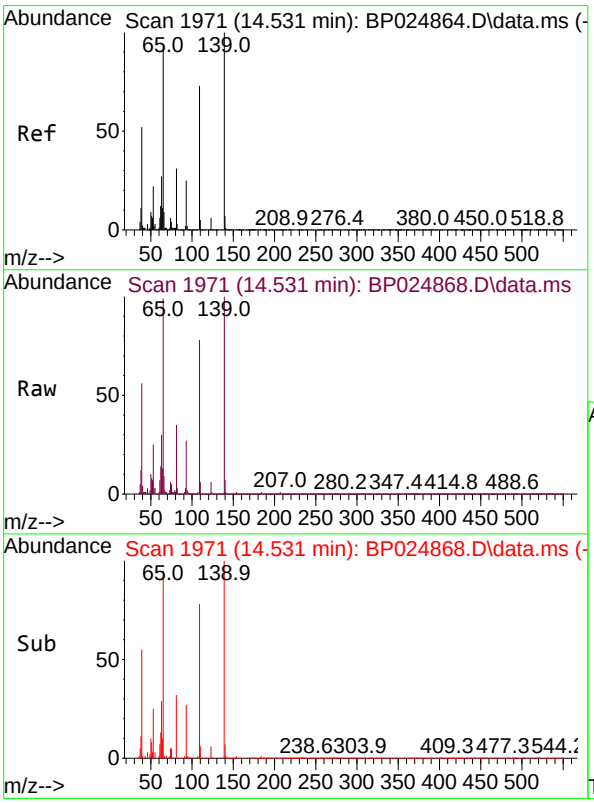
Ion	Ratio	Lower	Upper
168	100		
139	40.8	31.6	47.4
169	13.5	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED

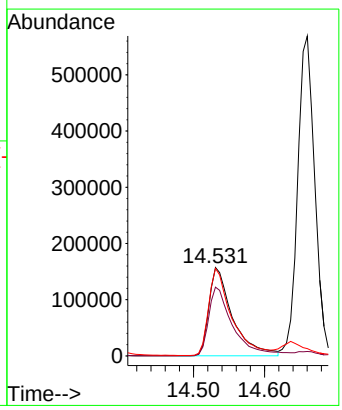
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

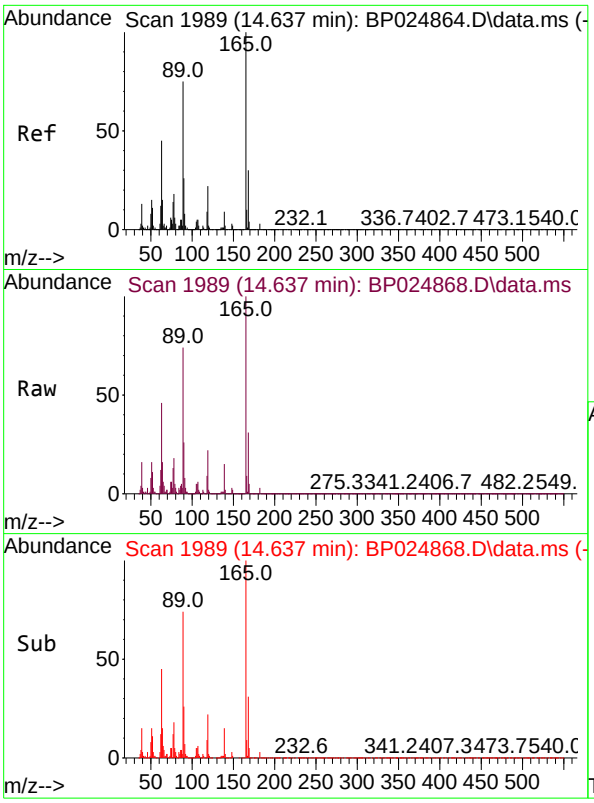


#56
4-Nitrophenol
Concen: 38.363 ng
RT: 14.531 min Scan# 1971
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:139 Resp: 362887

Ion	Ratio	Lower	Upper
139	100		
109	77.7	53.1	93.1
65	99.0	73.0	113.0

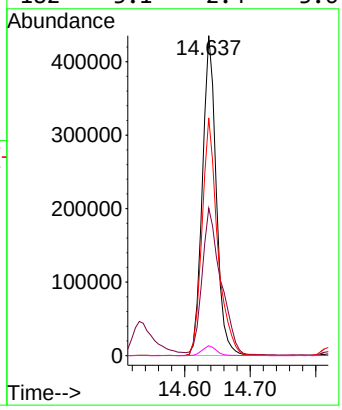




#57
2,4-Dinitrotoluene
Concen: 38.936 ng
RT: 14.637 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:165 Resp: 63651

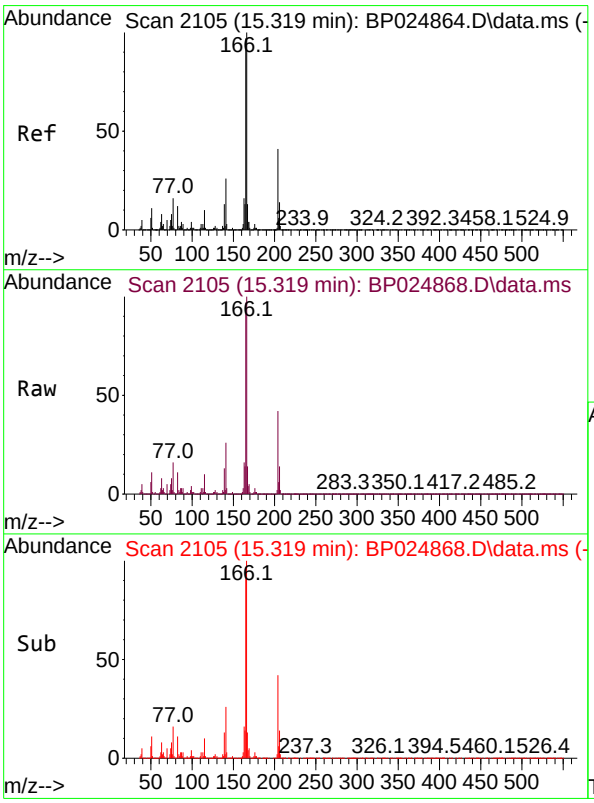
Ion	Ratio	Lower	Upper
165	100		
63	46.1	37.0	55.6
89	74.3	60.1	90.1
182	3.1	2.4	3.6



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations
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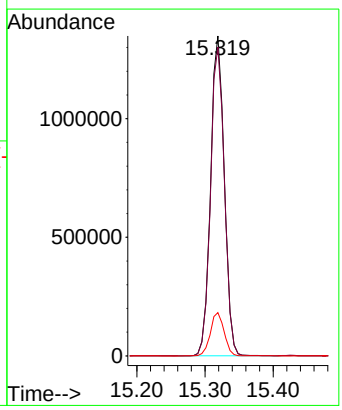
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

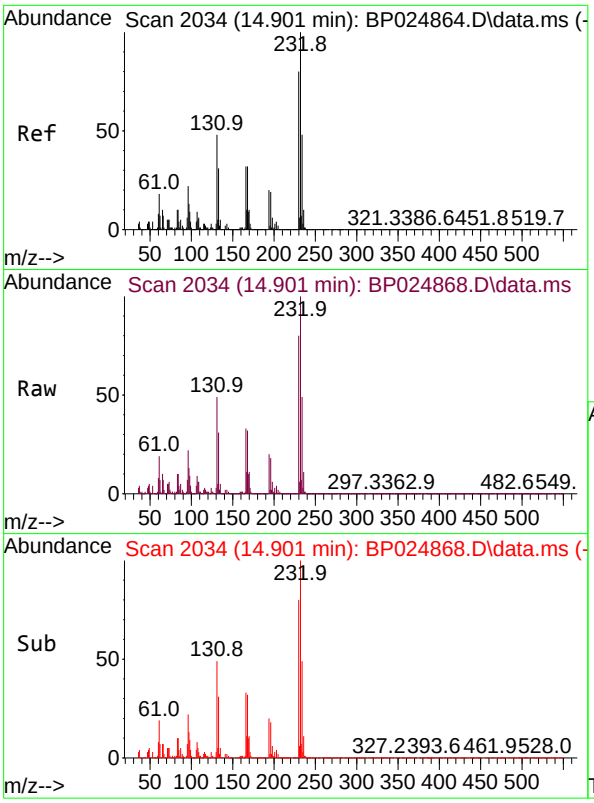


#58
Fluorene
Concen: 37.043 ng
RT: 15.319 min Scan# 2105
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:166 Resp: 1883765

Ion	Ratio	Lower	Upper
166	100		
165	96.5	77.7	116.5
167	13.5	10.6	16.0

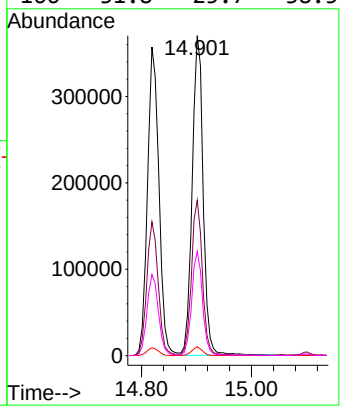




#59
2,3,4,6-Tetrachlorophenol
Concen: 38.401 ng
RT: 14.901 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:232 Resp: 514561

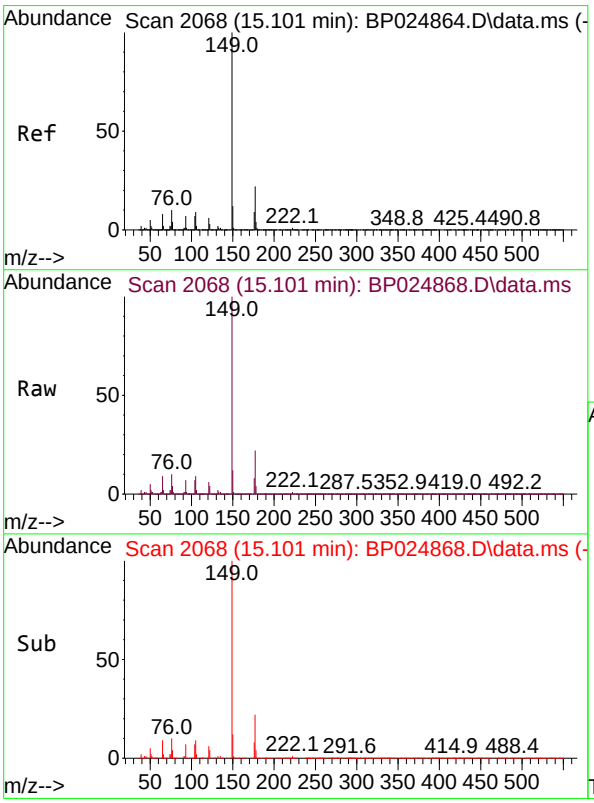
Ion	Ratio	Lower	Upper
232	100		
131	48.0	38.2	57.2
130	2.6	2.1	3.1
166	31.8	25.7	38.5



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED

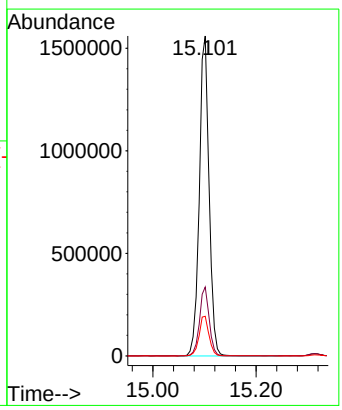
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

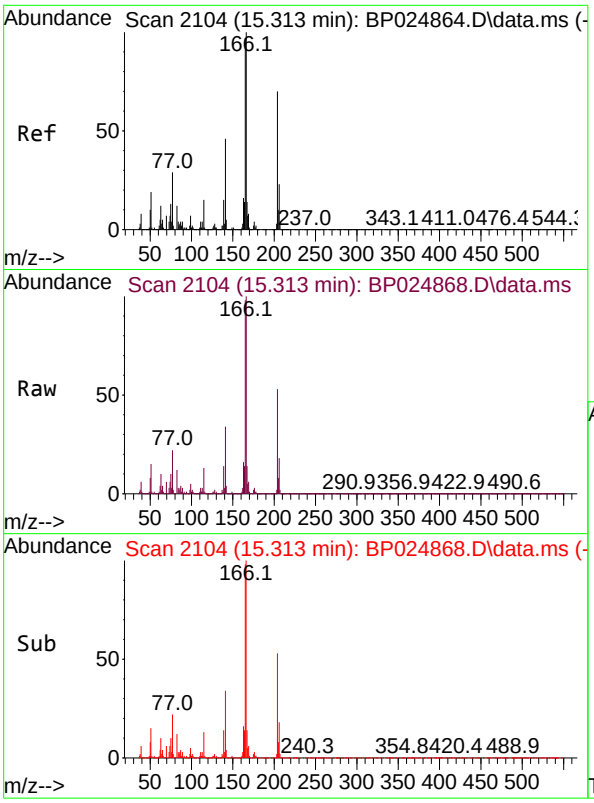


#60
Diethylphthalate
Concen: 37.642 ng
RT: 15.101 min Scan# 2068
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:149 Resp: 2033664

Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.9	26.9
150	12.4	9.8	14.6

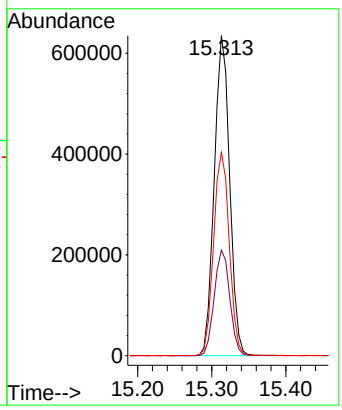




#61
4-Chlorophenyl-phenylether
Concen: 36.814 ng
RT: 15.313 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

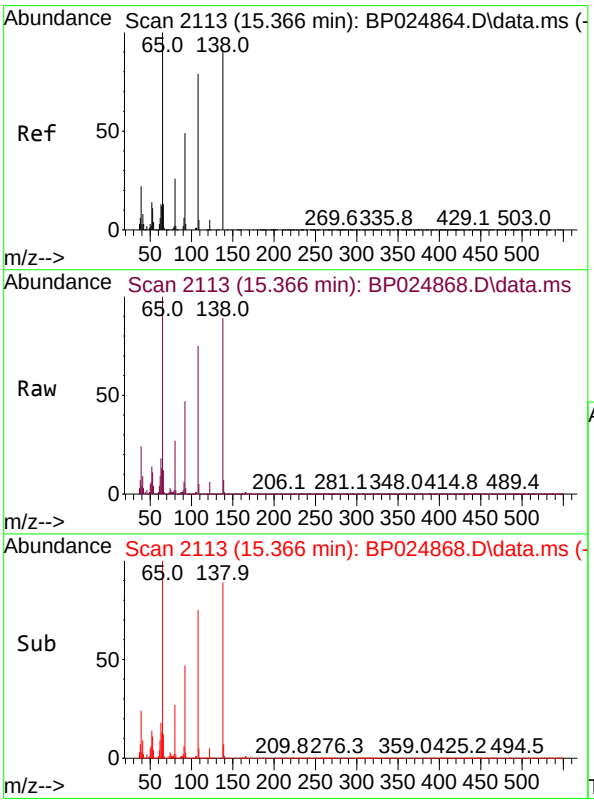
Tgt Ion:204 Resp: 91538

Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.6	40.0
141	63.5	52.4	78.6



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

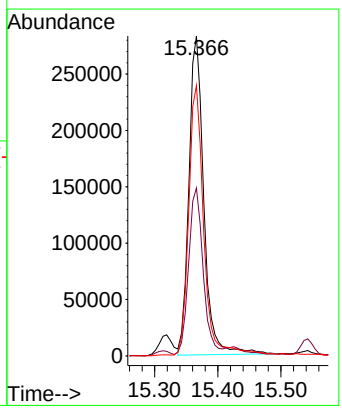
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

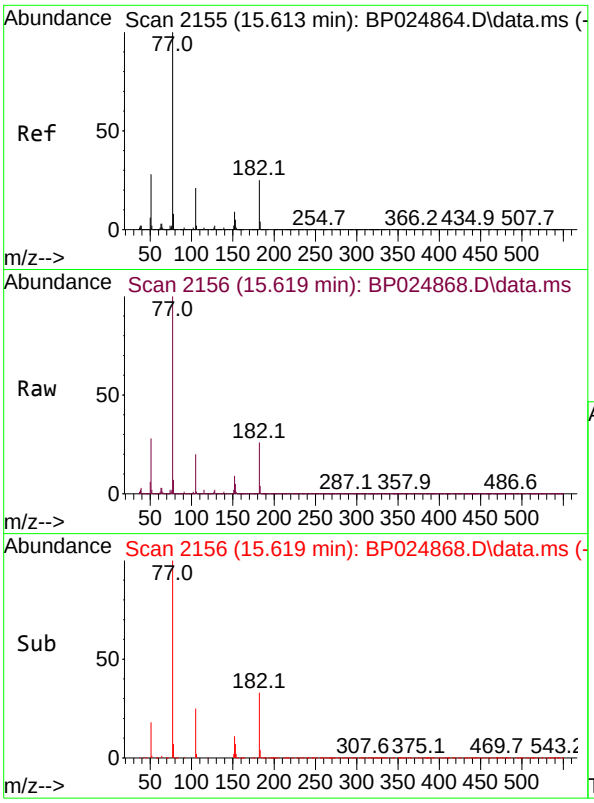


#62
4-Nitroaniline
Concen: 42.233 ng
RT: 15.366 min Scan# 2113
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:138 Resp: 464418

Ion	Ratio	Lower	Upper
138	100		
92	52.5	33.5	73.5
108	84.5	65.1	105.1

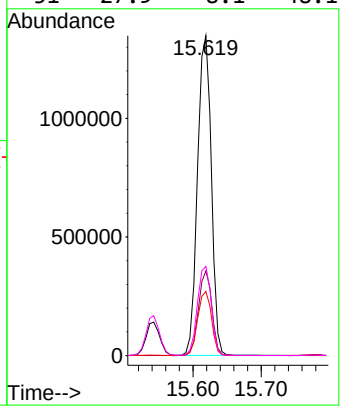




#63
Azobenzene
Concen: 38.217 ng
RT: 15.619 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion: 77 Resp: 189366

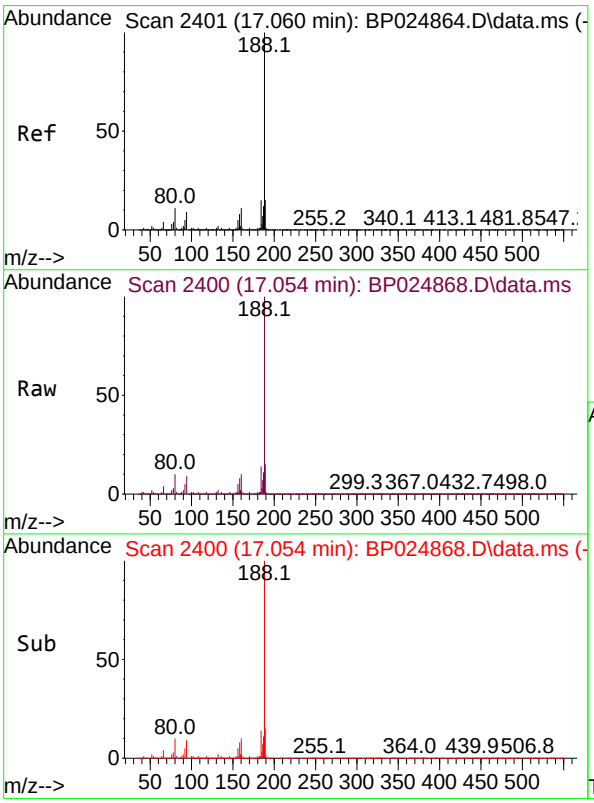
Ion	Ratio	Lower	Upper
77	100		
182	26.4	5.4	45.4
105	20.0	0.8	40.8
51	27.9	8.1	48.1



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED

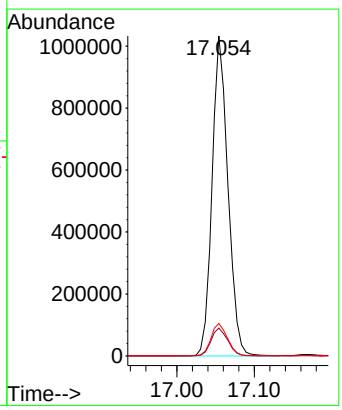
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

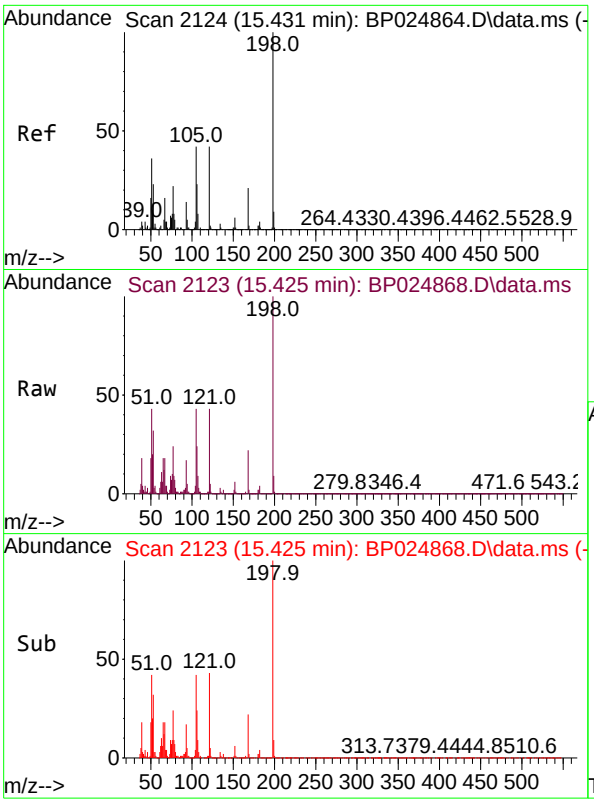


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.054 min Scan# 2400
Delta R.T. -0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:188 Resp: 1466437

Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.3	10.9
80	10.1	8.5	12.7





#65
4,6-Dinitro-2-methylphenol
Concen: 38.956 ng
RT: 15.425 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

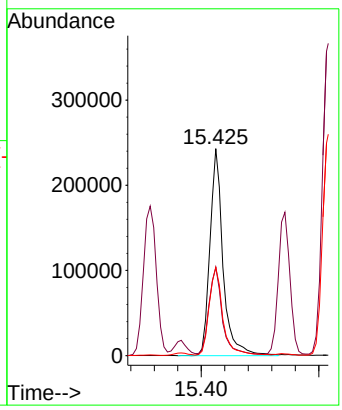
Tgt Ion:198 Resp: 37537

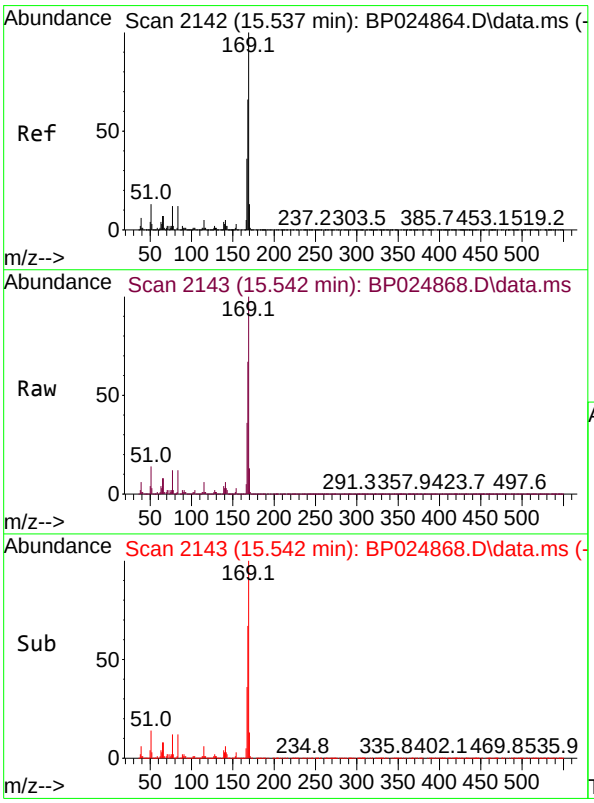
Ion	Ratio	Lower	Upper
198	100		
51	42.7	19.2	59.2
105	42.6	22.6	62.6

Instrument :
BNA_P
ClientSampleId :
ICVBP060625

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Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

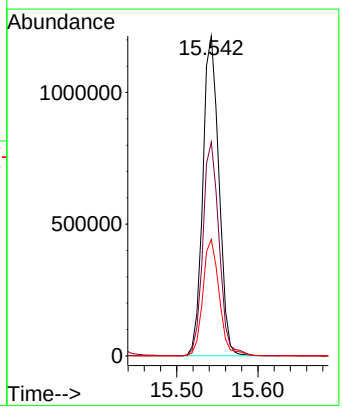


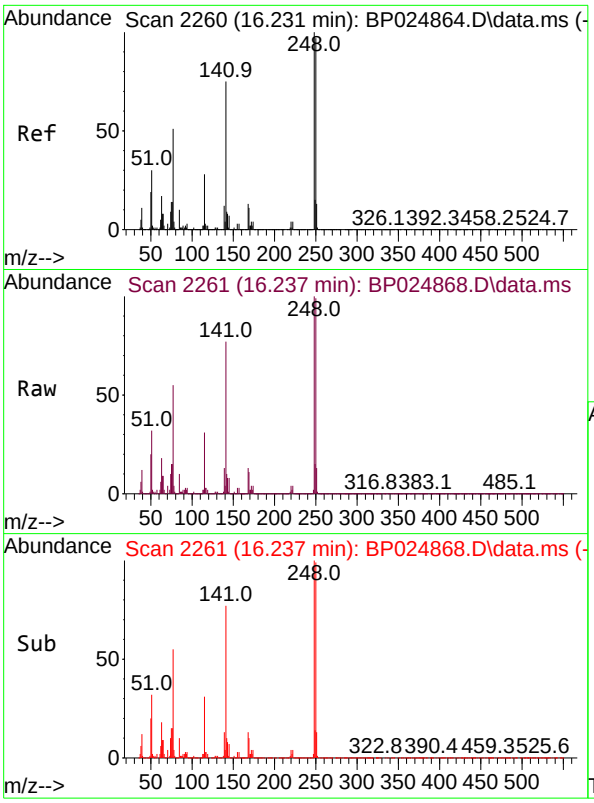


#66
n-Nitrosodiphenylamine
Concen: 36.846 ng
RT: 15.542 min Scan# 2143
Delta R.T. 0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:169 Resp: 1674745

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.0	79.6
167	36.4	28.6	43.0

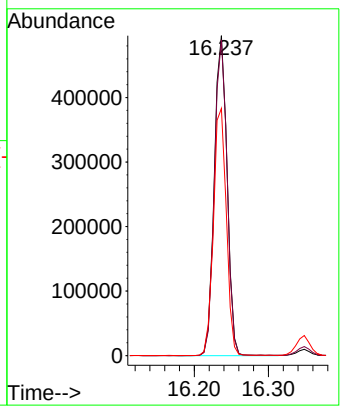




#67
4-Bromophenyl-phenylether
Concen: 35.890 ng
RT: 16.237 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:248 Resp: 59384

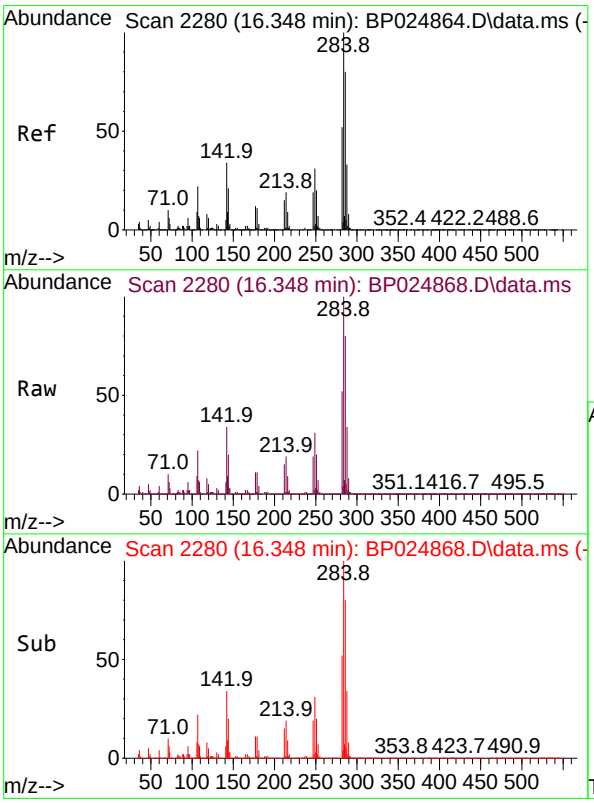
Ion	Ratio	Lower	Upper
248	100		
250	98.7	77.4	116.2
141	77.2	59.9	89.9



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED

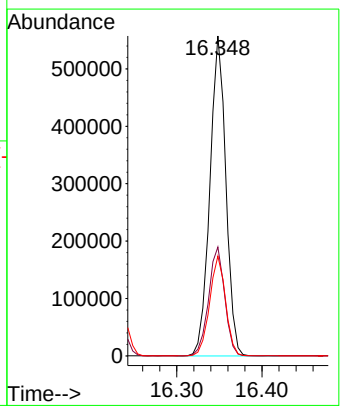
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

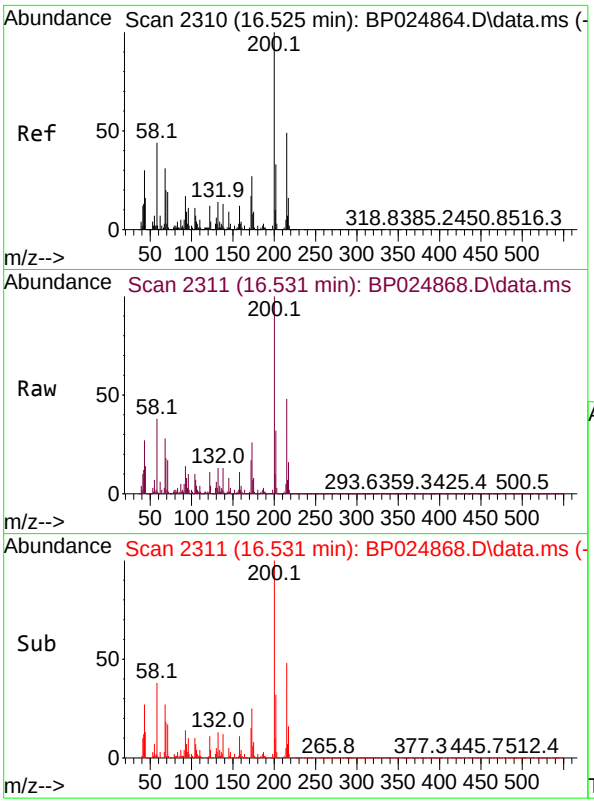


#68
Hexachlorobenzene
Concen: 36.182 ng
RT: 16.348 min Scan# 2280
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:284 Resp: 725771

Ion	Ratio	Lower	Upper
284	100		
142	34.0	27.0	40.6
249	31.2	25.0	37.6

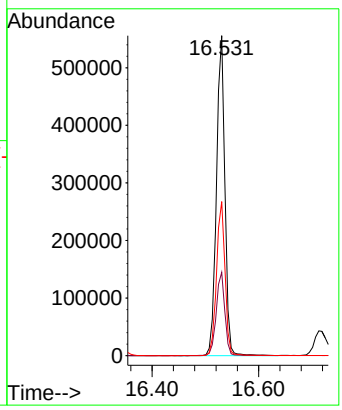




#69
Atrazine
Concen: 37.108 ng
RT: 16.531 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:200 Resp: 61144

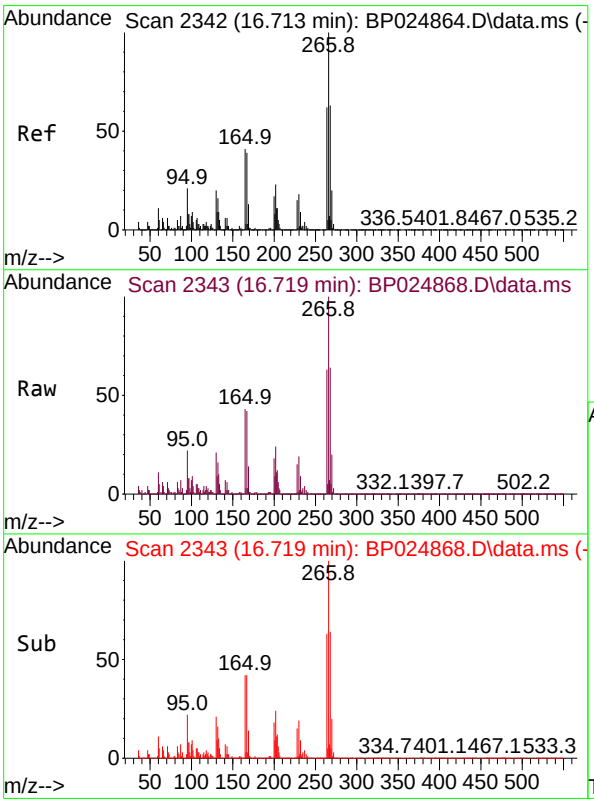
Ion	Ratio	Lower	Upper
200	100		
173	26.0	6.9	46.9
215	48.1	28.7	68.7



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED

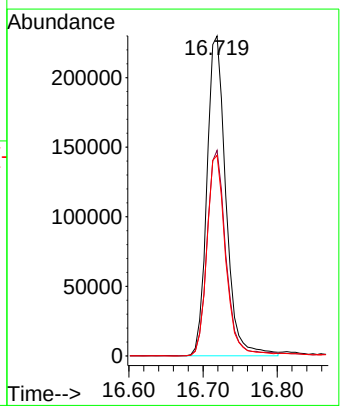
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

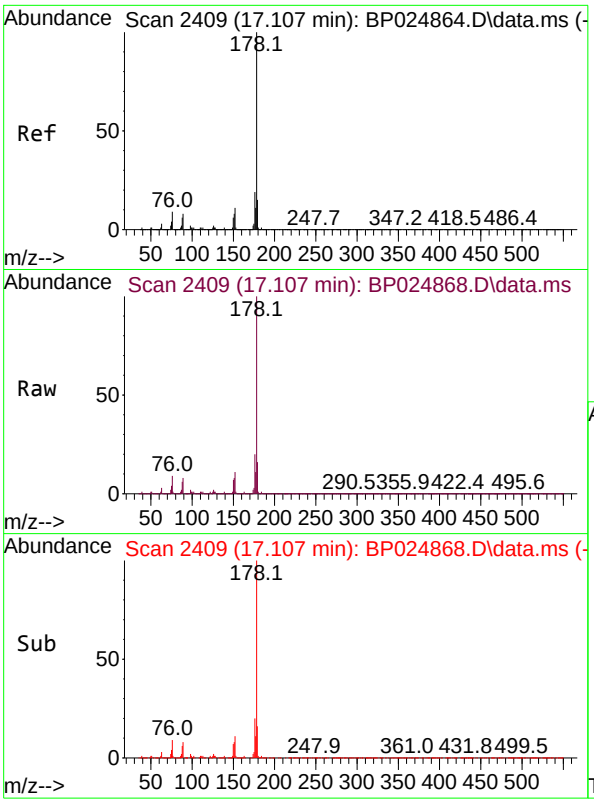


#70
Pentachlorophenol
Concen: 39.247 ng
RT: 16.719 min Scan# 2343
Delta R.T. 0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:266 Resp: 407441

Ion	Ratio	Lower	Upper
266	100		
268	64.2	50.6	76.0
264	62.7	49.7	74.5

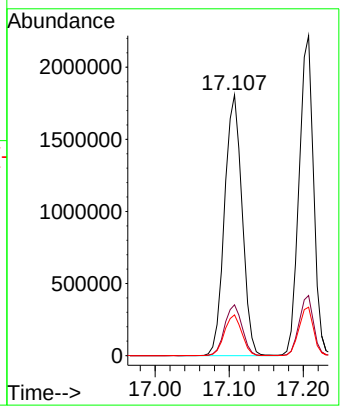




#71
Phenanthrene
Concen: 36.595 ng
RT: 17.107 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:178 Resp: 296553

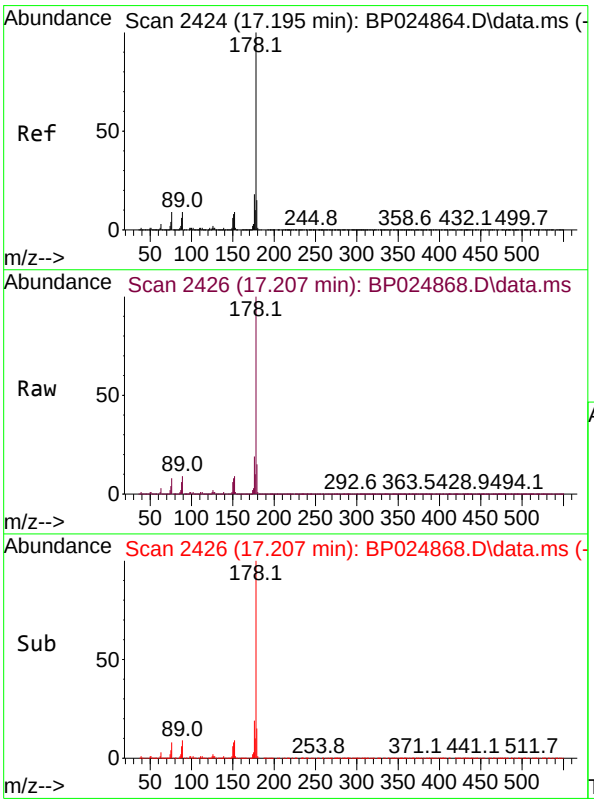
Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.3	22.9
179	15.6	12.1	18.1



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED

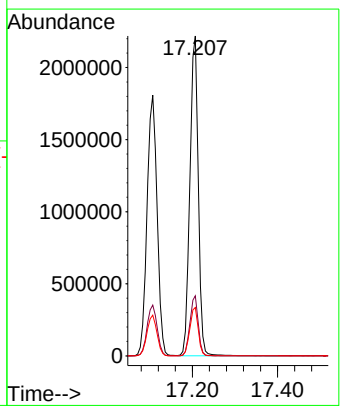
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

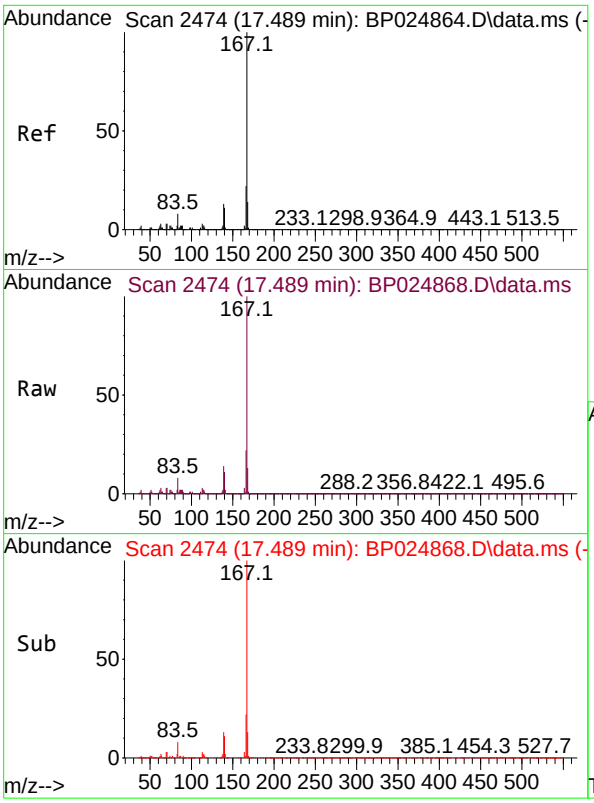


#72
Anthracene
Concen: 36.903 ng
RT: 17.207 min Scan# 2426
Delta R.T. 0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:178 Resp: 3028697

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.7	22.1
179	15.1	12.3	18.5

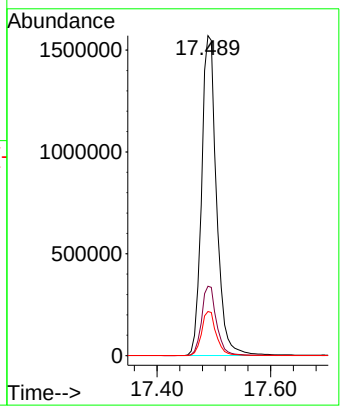




#73
Carbazole
Concen: 37.755 ng
RT: 17.489 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:167 Resp: 287212

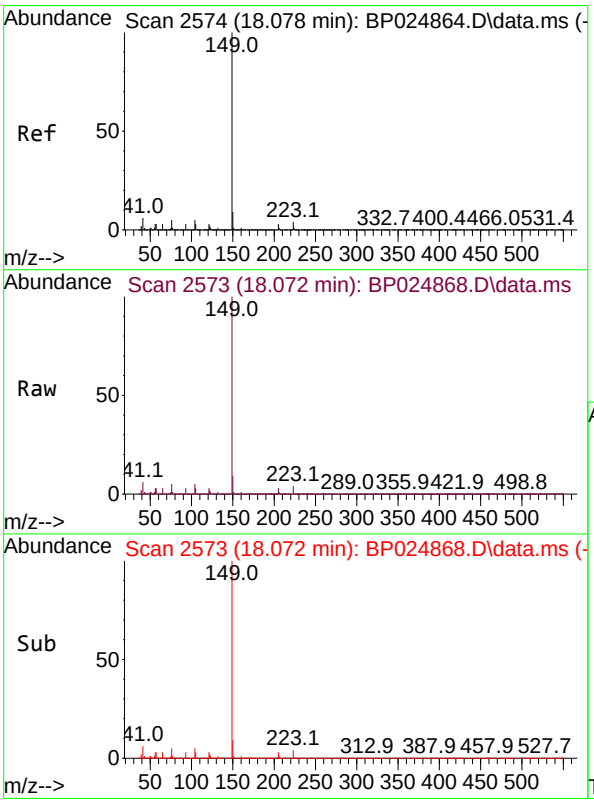
Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.3	25.9
139	13.8	10.8	16.2



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED

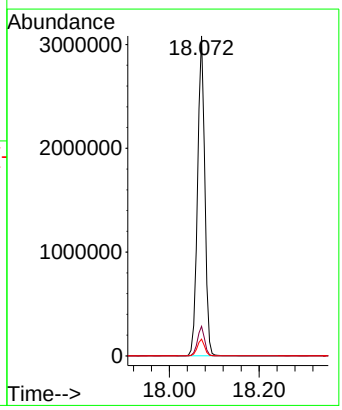
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

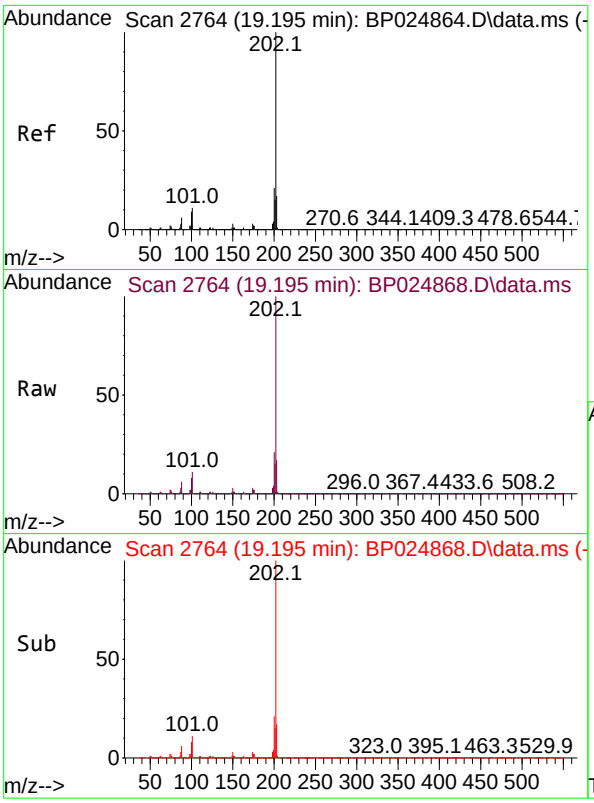


#74
Di-n-butylphthalate
Concen: 36.500 ng
RT: 18.072 min Scan# 2573
Delta R.T. -0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:149 Resp: 3440228

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	5.2	4.2	6.2

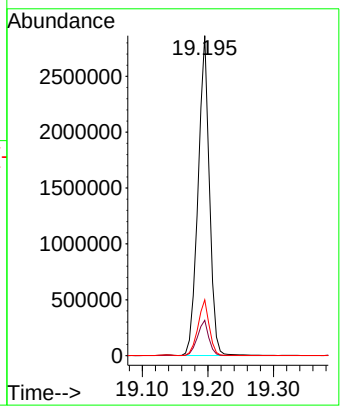




#75
Fluoranthene
Concen: 36.337 ng
RT: 19.195 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:202 Resp: 341302

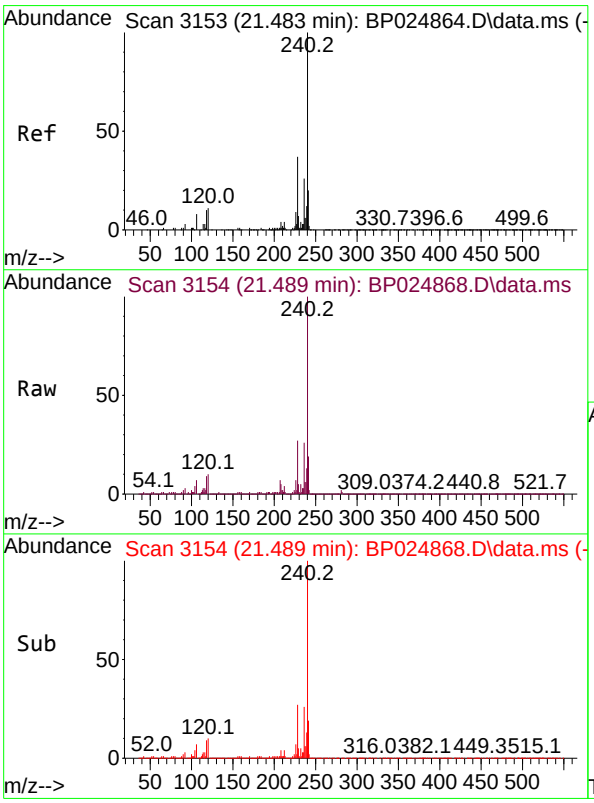
Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	31.4
203	17.4	0.0	37.5



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED

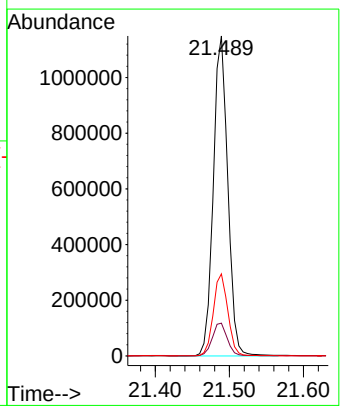
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

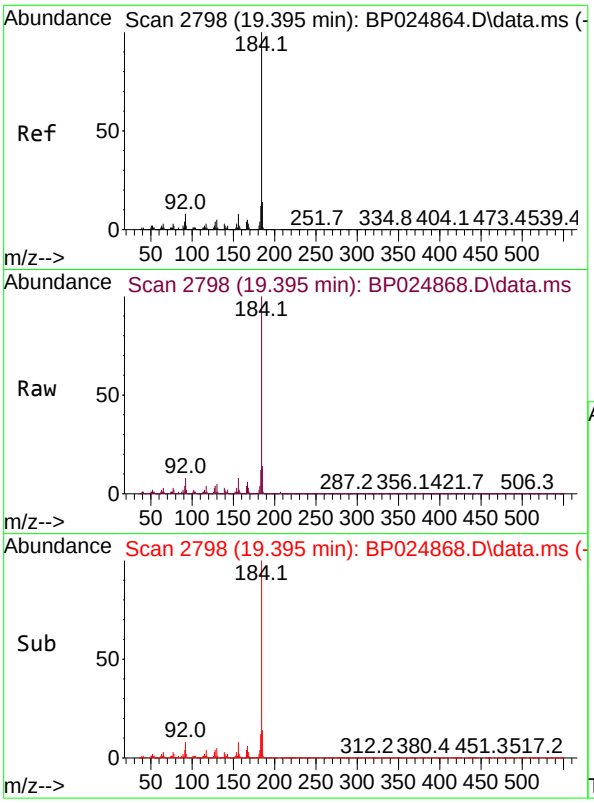


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.489 min Scan# 3154
Delta R.T. 0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:240 Resp: 1557824

Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.9	13.3
236	25.6	20.9	31.3

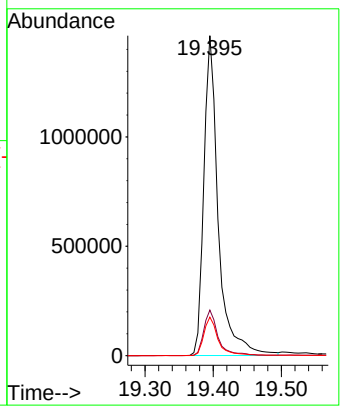




#77
Benzidine
Concen: 44.696 ng
RT: 19.395 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:184 Resp: 215650

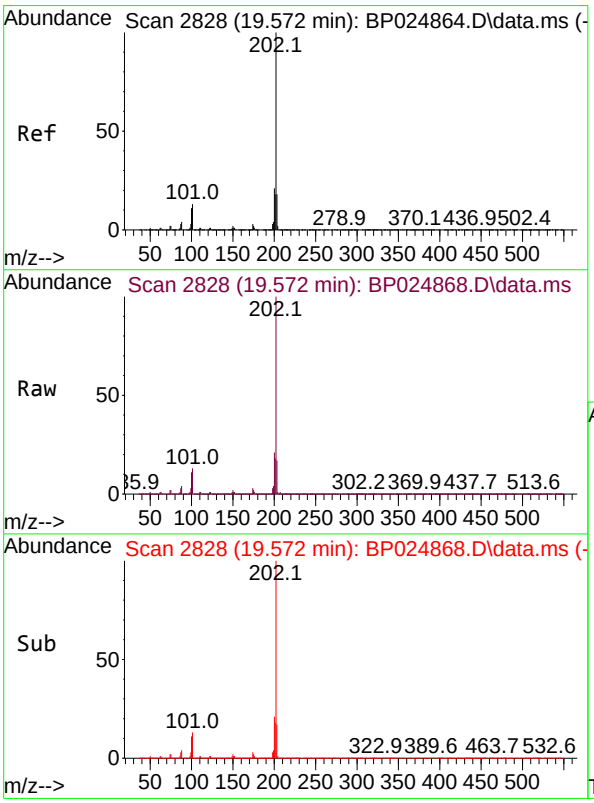
Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.4	17.0
183	12.0	9.5	14.3



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

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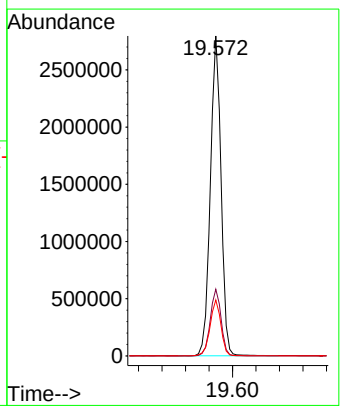
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

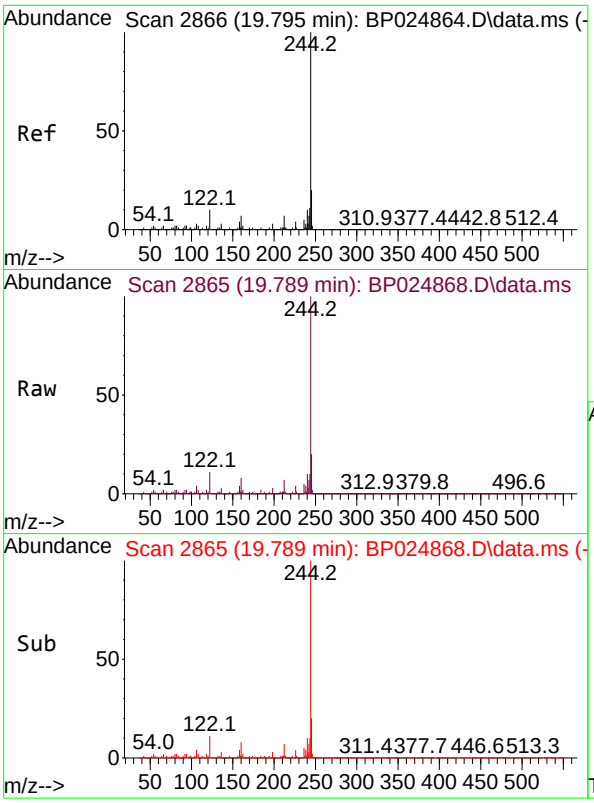


#78
Pyrene
Concen: 36.241 ng
RT: 19.572 min Scan# 2828
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:202 Resp: 3527120

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.1	25.7
203	17.5	14.0	21.0





#79
Terphenyl-d14
Concen: 62.551 ng
RT: 19.789 min Scan# 28
Delta R.T. -0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

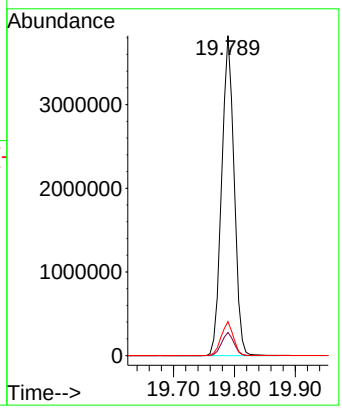
Tgt Ion:244 Resp: 543696

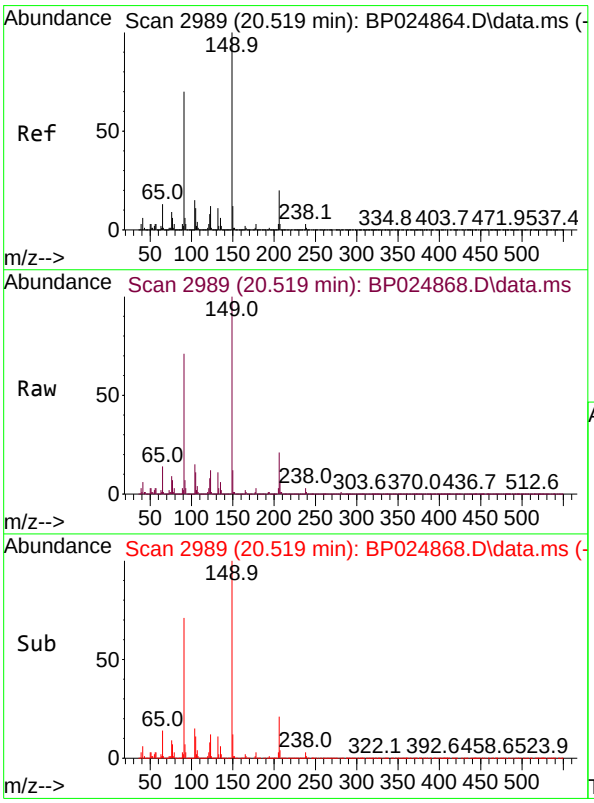
Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	10.6	7.7	11.5

Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations
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Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

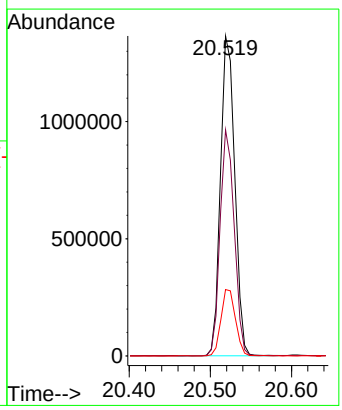


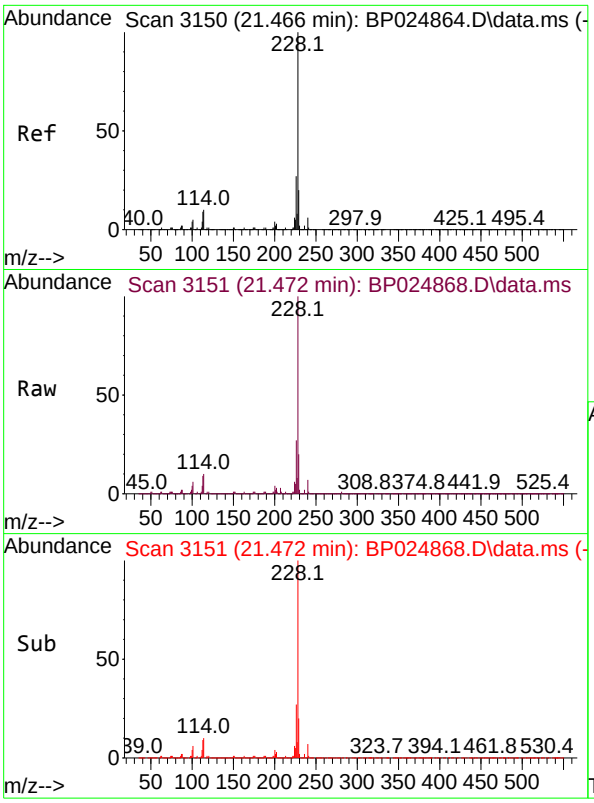


#80
Butylbenzylphthalate
Concen: 37.347 ng
RT: 20.519 min Scan# 2989
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:149 Resp: 1664895

Ion	Ratio	Lower	Upper
149	100		
91	70.6	55.8	83.8
206	20.7	16.2	24.2

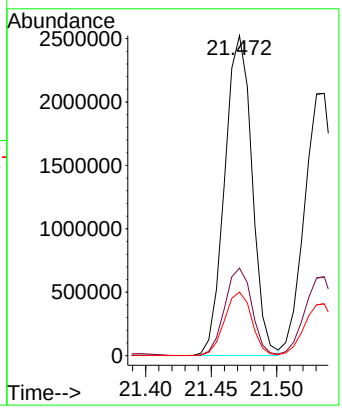




#81
Benzo(a)anthracene
Concen: 36.741 ng
RT: 21.472 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:228 Resp: 366073

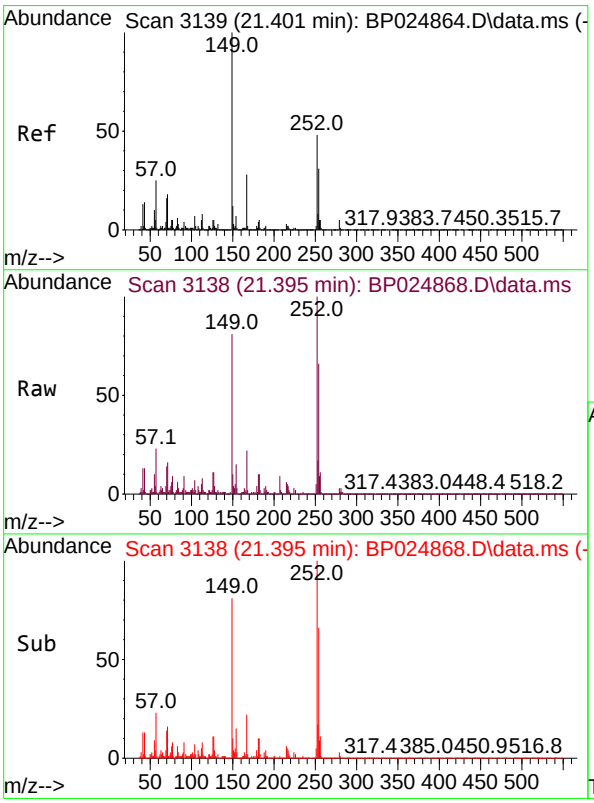
Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.1	33.1
229	19.9	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED

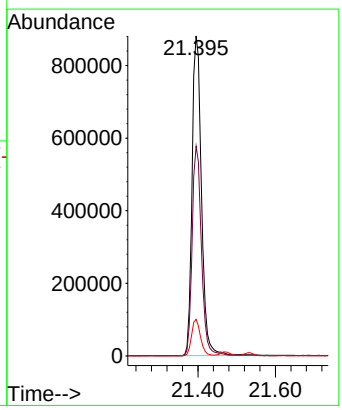
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

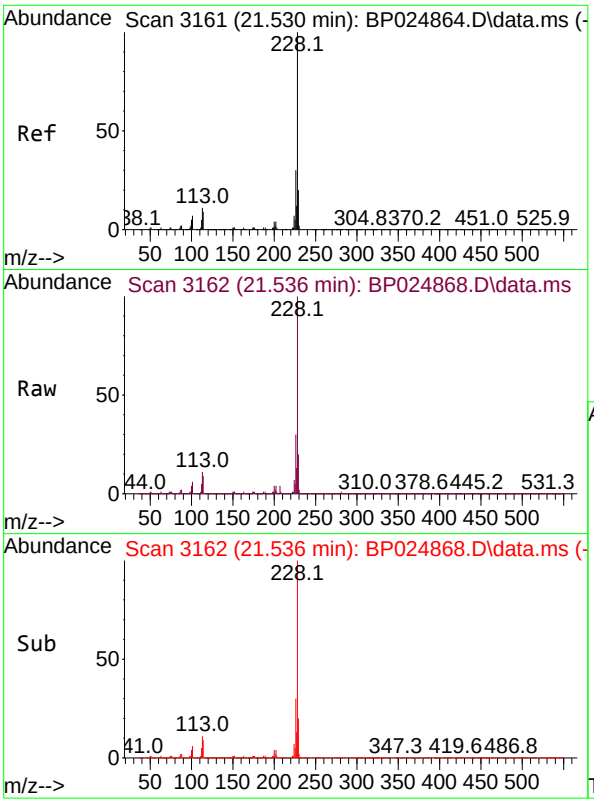


#82
3,3'-Dichlorobenzidine
Concen: 37.613 ng
RT: 21.395 min Scan# 3138
Delta R.T. -0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:252 Resp: 1487801

Ion	Ratio	Lower	Upper
252	100		
254	65.5	51.2	76.8
126	11.4	8.6	12.8





#83
Chrysene
Concen: 36.421 ng
RT: 21.536 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

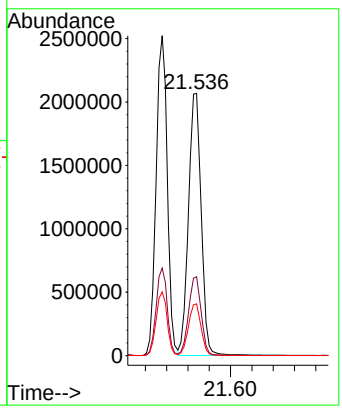
Tgt Ion:228 Resp: 343839

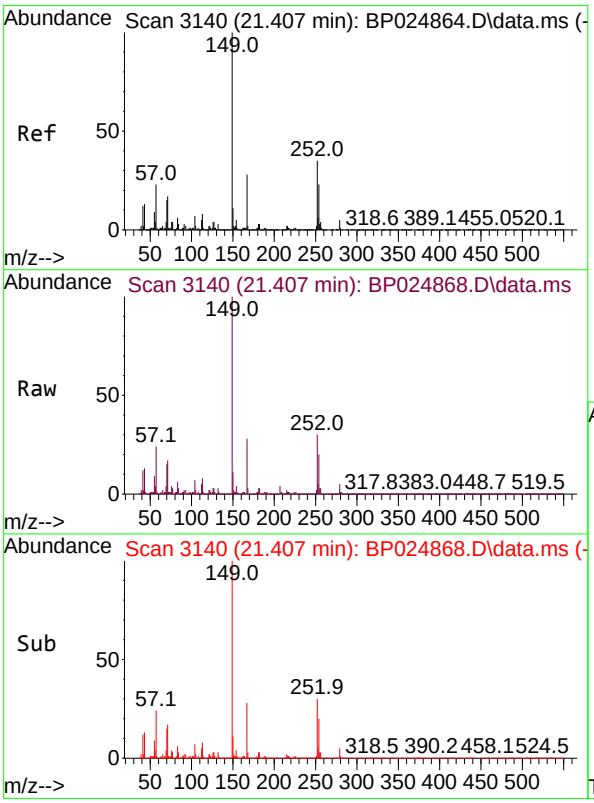
Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.8	35.6
229	19.8	15.6	23.4

Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

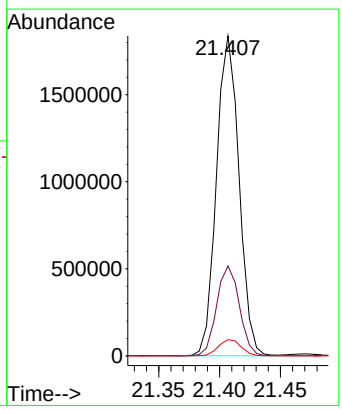


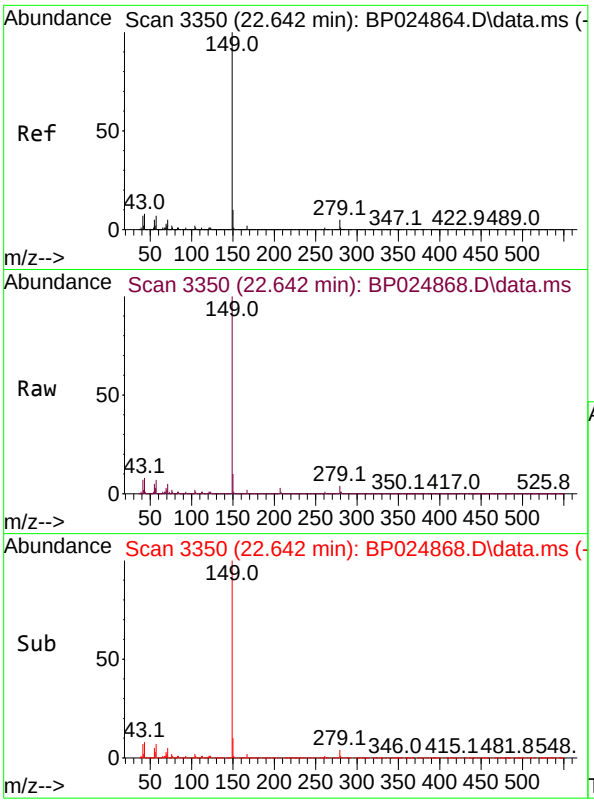


#84
Bis(2-ethylhexyl)phthalate
Concen: 37.041 ng
RT: 21.407 min Scan# 3140
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:149 Resp: 2365859

Ion	Ratio	Lower	Upper
149	100		
167	28.1	22.2	33.4
279	5.1	4.0	6.0

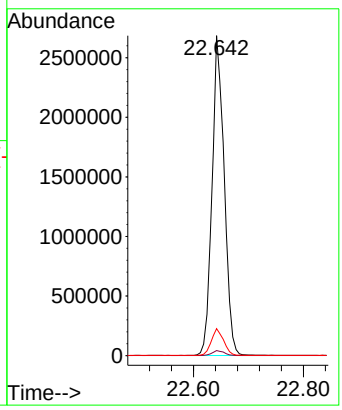




#85
Di-n-octyl phthalate
Concen: 36.654 ng
RT: 22.642 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:149 Resp: 412647

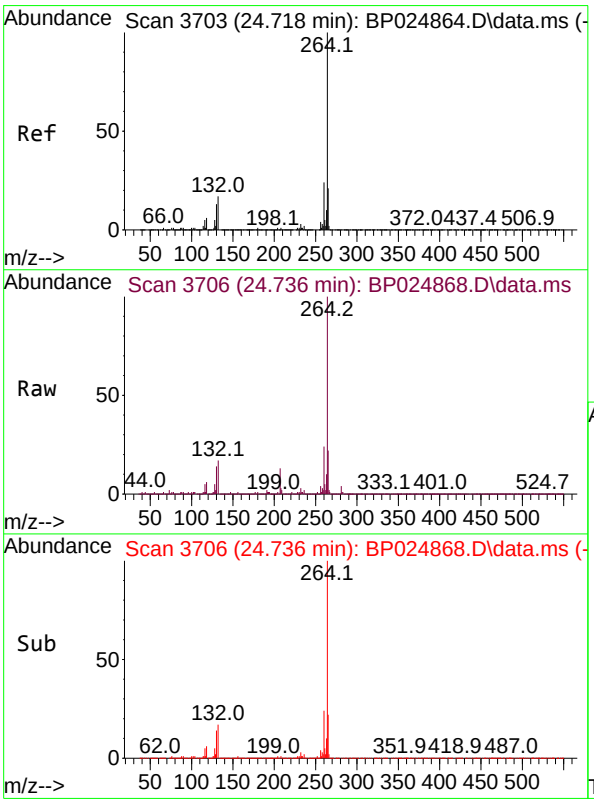
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.5	6.6	10.0



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED

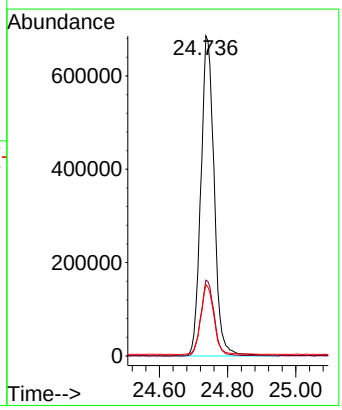
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

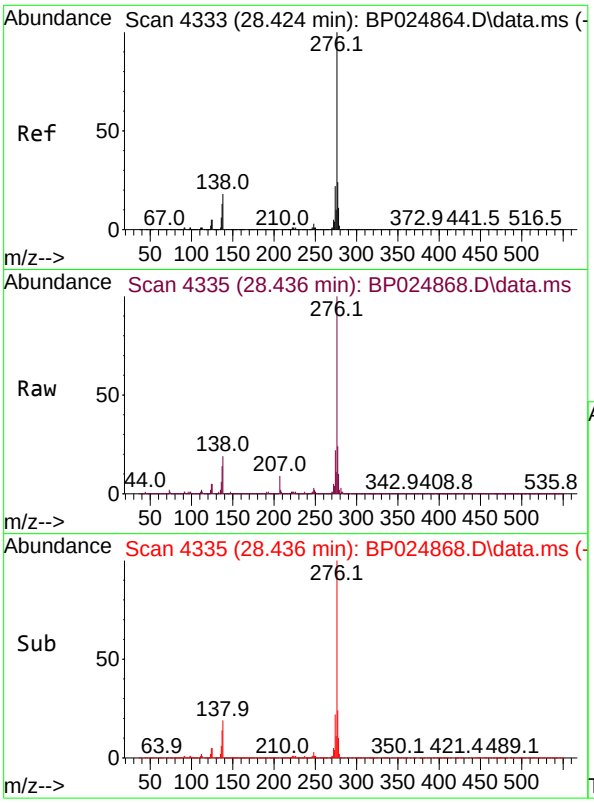


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.736 min Scan# 3706
Delta R.T. 0.018 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:264 Resp: 1860226

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.4
265	22.3	17.4	26.0

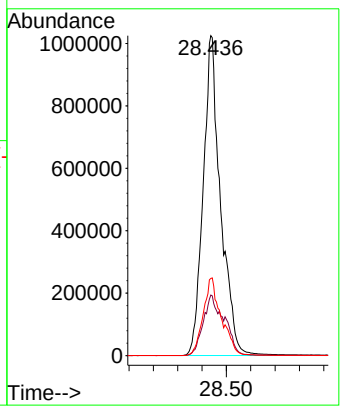




#87
Indeno(1,2,3-cd)pyrene
Concen: 37.578 ng
RT: 28.436 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:276 Resp: 5100289

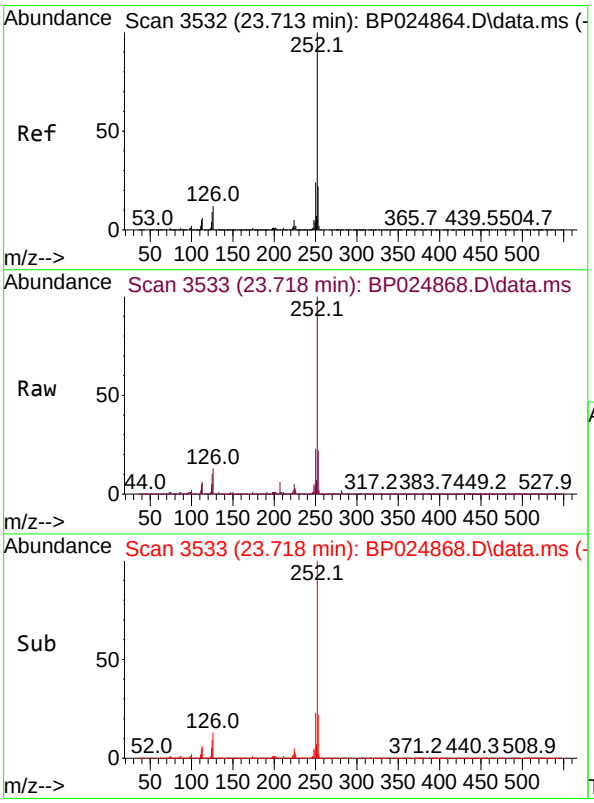
Ion	Ratio	Lower	Upper
276	100		
138	22.9	18.6	27.8
277	25.3	20.2	30.4



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED

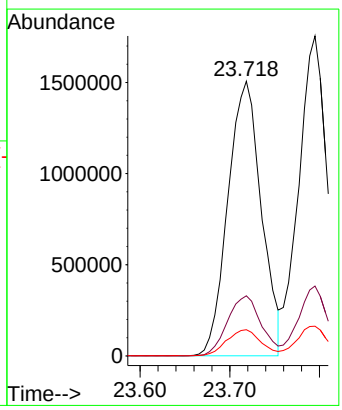
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

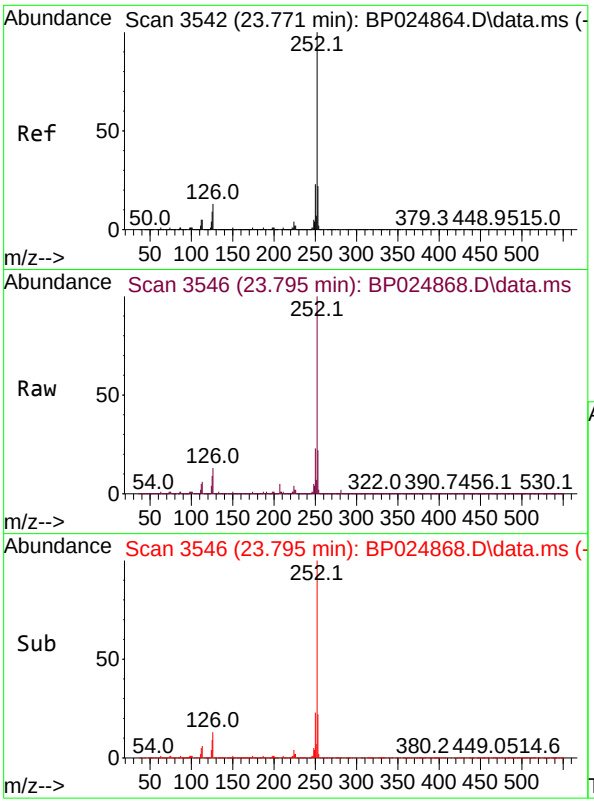


#88
Benzo(b)fluoranthene
Concen: 36.735 ng
RT: 23.718 min Scan# 3533
Delta R.T. 0.006 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:252 Resp: 3910900

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	9.5	7.1	10.7

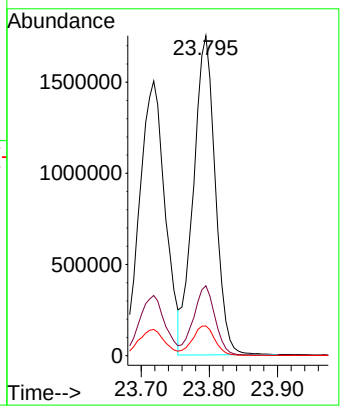




#89
Benzo(k)fluoranthene
Concen: 36.032 ng
RT: 23.795 min Scan# 3
Delta R.T. 0.023 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:252 Resp: 390466

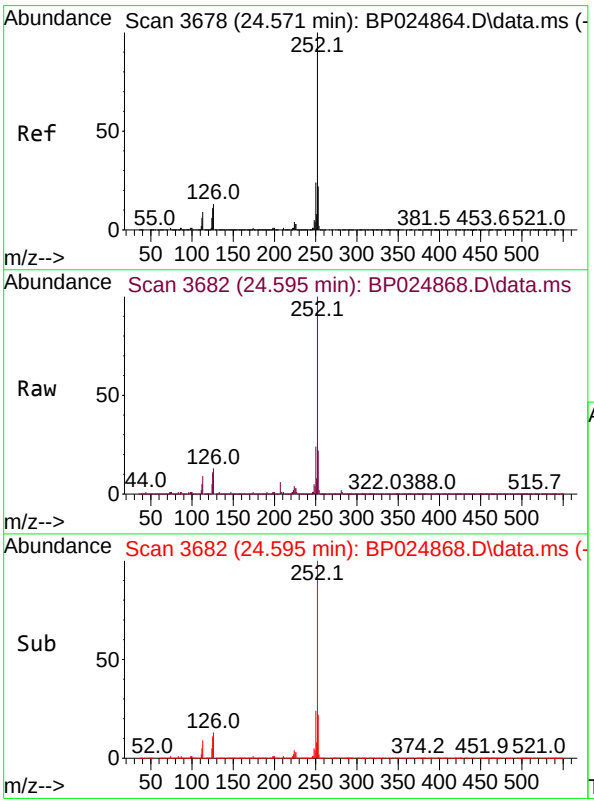
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	9.3	7.4	11.0



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED

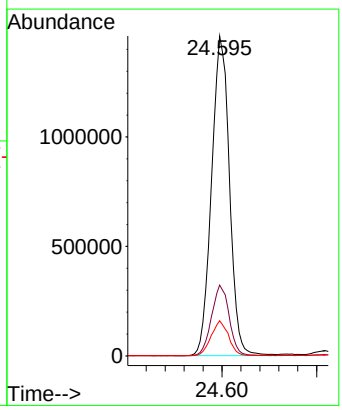
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

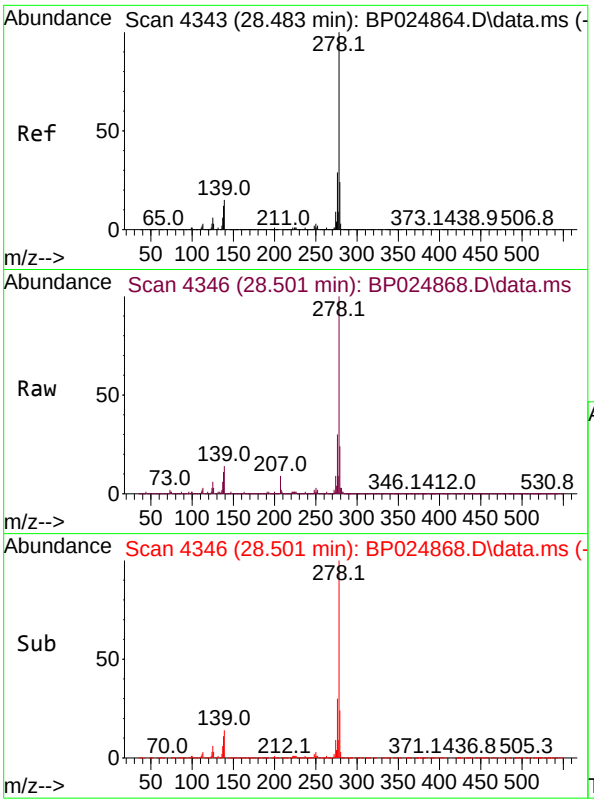


#90
Benzo(a)pyrene
Concen: 36.932 ng
RT: 24.595 min Scan# 3682
Delta R.T. 0.024 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:252 Resp: 3839776

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	11.0	8.8	13.2

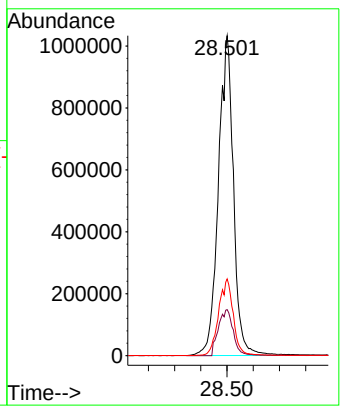




#91
Dibenzo(a,h)anthracene
Concen: 37.321 ng
RT: 28.501 min Scan# 4
Delta R.T. 0.018 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:278 Resp: 412311

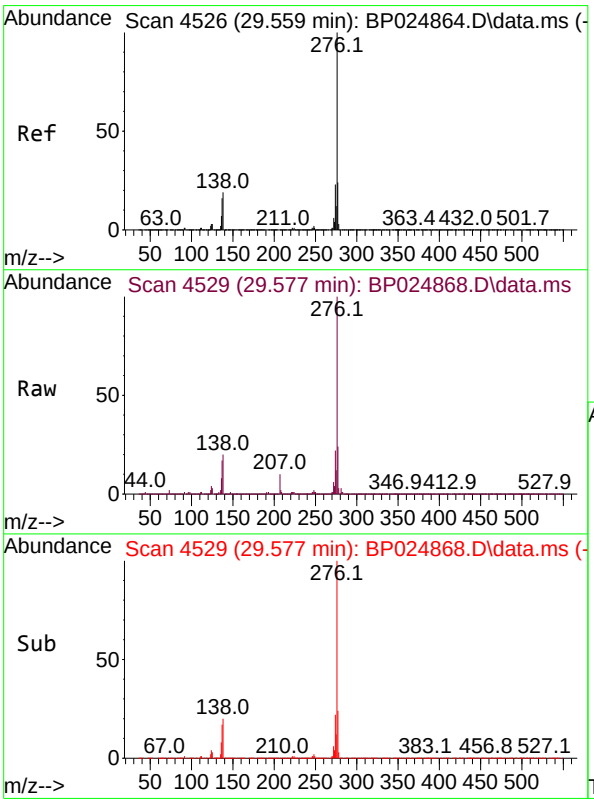
Ion	Ratio	Lower	Upper
278	100		
139	14.4	12.0	18.0
279	24.0	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Manual Integrations APPROVED

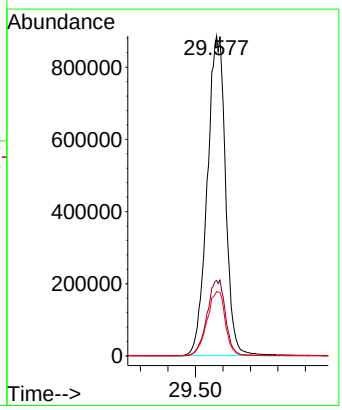
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025



#92
Benzo(g,h,i)perylene
Concen: 37.385 ng
RT: 29.577 min Scan# 4529
Delta R.T. 0.018 min
Lab File: BP024868.D
Acq: 06 Jun 2025 17:09

Tgt Ion:276 Resp: 4097986

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.1	28.7
138	20.1	15.4	23.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024868.D
Acq On : 06 Jun 2025 17:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Quant Time: Jun 06 17:28:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 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	103	-0.02
2		1,4-Dioxane	0.527	0.466	11.6	97	0.00
3		Pyridine	1.268	1.271	-0.2	107	-0.01
4		n-Nitrosodimethylamine	0.518	0.537	-3.7	110	-0.01
5	S	2-Fluorophenol	1.198	1.097	8.4	97	-0.01
6		Aniline	2.023	2.033	-0.5	106	-0.02
7	S	Phenol-d6	1.585	1.516	4.4	101	-0.01
8		2-Chlorophenol	1.358	1.326	2.4	104	-0.02
9		Benzaldehyde	0.914	1.110	-21.4	131	-0.02
10	C	Phenol	1.634	1.630	0.2	106	-0.02
11		bis(2-Chloroethyl)ether	1.285	1.265	1.6	106	-0.02
12		1,3-Dichlorobenzene	1.515	1.417	6.5	103	-0.01
13	C	1,4-Dichlorobenzene	1.529	1.430	6.5	103	-0.01
14		1,2-Dichlorobenzene	1.501	1.391	7.3	102	-0.02
15		Benzyl Alcohol	1.217	1.243	-2.1	110	-0.02
16		2,2'-oxybis(1-Chloropropane	1.682	1.637	2.7	107	0.00
17		2-Methylphenol	1.141	1.141	0.0	106	-0.02
18		Hexachloroethane	0.576	0.535	7.1	101	-0.01
19	P	n-Nitroso-di-n-propylamine	1.078	1.078	0.0	107	-0.01
20		3+4-Methylphenols	1.557	1.536	1.3	106	-0.02
21	I	Naphthalene-d8	1.000	1.000	0.0	108	-0.01
22		Acetophenone	0.505	0.487	3.6	107	-0.01
23	S	Nitrobenzene-d5	0.412	0.345	16.3	92	-0.01
24		Nitrobenzene	0.366	0.359	1.9	107	-0.01
25		Isophorone	0.713	0.697	2.2	108	-0.01
26	C	2-Nitrophenol	0.180	0.178	1.1	106	-0.01
27		2,4-Dimethylphenol	0.309	0.299	3.2	106	-0.02
28		bis(2-Chloroethoxy)methane	0.426	0.408	4.2	106	-0.02
29	C	2,4-Dichlorophenol	0.296	0.289	2.4	107	-0.01
30		1,2,4-Trichlorobenzene	0.334	0.305	8.7	104	-0.01
31		Naphthalene	1.025	0.950	7.3	103	-0.02
32		Benzoic acid	0.209	0.211	-1.0	111	-0.01
33		4-Chloroaniline	0.429	0.425	0.9	107	-0.01
34	C	Hexachlorobutadiene	0.201	0.183	9.0	101	-0.01
35		Caprolactam	0.109	0.112	-2.8	110	-0.01
36	C	4-Chloro-3-methylphenol	0.342	0.346	-1.2	109	-0.01
37		2-Methylnaphthalene	0.650	0.625	3.8	106	-0.01
38		1-Methylnaphthalene	0.695	0.655	5.8	105	-0.01
39	I	Acenaphthene-d10	1.000	1.000	0.0	108	0.00
40		1,2,4,5-Tetrachlorobenzene	0.568	0.527	7.2	106	0.00
41	P	Hexachlorocyclopentadiene	0.346	0.330	4.6	106	-0.01
42	S	2,4,6-Tribromophenol	0.277	0.253	8.7	102	0.00
43	C	2,4,6-Trichlorophenol	0.381	0.370	2.9	107	-0.01
44		2,4,5-Trichlorophenol	0.408	0.399	2.2	106	0.00
45	S	2-Fluorobiphenyl	1.485	1.159	22.0	90	-0.01
46		1,1'-Biphenyl	1.453	1.363	6.2	106	0.00
47		2-Chloronaphthalene	1.117	1.030	7.8	104	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024868.D
Acq On : 06 Jun 2025 17:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Quant Time: Jun 06 17:28:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 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	0.343	0.350	-2.0	110	0.00
49		Acenaphthylene	1.863	1.736	6.8	106	0.00
50		Dimethylphthalate	1.475	1.372	7.0	106	0.00
51		2,6-Dinitrotoluene	0.318	0.303	4.7	105	0.00
52	C	Acenaphthene	1.067	1.000	6.3	106	0.00
53		3-Nitroaniline	0.330	0.335	-1.5	107	0.00
54	P	2,4-Dinitrophenol	0.178	0.182	-2.2	110	0.00
55		Dibenzofuran	1.713	1.568	8.5	104	0.00
56	P	4-Nitrophenol	0.239	0.247	-3.3	108	0.00
57		2,4-Dinitrotoluene	0.445	0.433	2.7	107	0.00
58		Fluorene	1.384	1.282	7.4	106	0.00
59		2,3,4,6-Tetrachlorophenol	0.365	0.350	4.1	107	0.00
60		Diethylphthalate	1.470	1.384	5.9	108	0.00
61		4-Chlorophenyl-phenylether	0.677	0.623	8.0	106	0.00
62		4-Nitroaniline	0.299	0.316	-5.7	110	0.00
63		Azobenzene	1.349	1.288	4.5	107	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	112	0.00
65		4,6-Dinitro-2-methylphenol	0.131	0.128	2.3	110	0.00
66	c	n-Nitrosodiphenylamine	0.620	0.571	7.9	107	0.00
67		4-Bromophenyl-phenylether	0.226	0.202	10.6	107	0.00
68		Hexachlorobenzene	0.274	0.247	9.9	107	0.00
69		Atrazine	0.225	0.208	7.6	108	0.00
70	C	Pentachlorophenol	0.142	0.139	2.1	113	0.00
71		Phenanthrene	1.105	1.011	8.5	107	0.00
72		Anthracene	1.119	1.033	7.7	108	0.01
73		Carbazole	1.038	0.979	5.7	110	0.00
74		Di-n-butylphthalate	1.285	1.173	8.7	103	0.00
75	C	Fluoranthene	1.281	1.164	9.1	107	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	111	0.00
77		Benzidine	0.619	0.692	-11.8	118	0.00
78		Pyrene	1.249	1.132	9.4	107	0.00
79	S	Terphenyl-d14	1.116	0.873	21.8	89	0.00
80		Butylbenzylphthalate	0.572	0.534	6.6	106	0.00
81		Benzo(a)anthracene	1.279	1.175	8.1	107	0.00
82		3,3'-Dichlorobenzidine	0.508	0.478	5.9	108	0.00
83		Chrysene	1.212	1.104	8.9	108	0.00
84		Bis(2-ethylhexyl)phthalate	0.820	0.759	7.4	106	0.00
85	c	Di-n-octyl phthalate	1.445	1.324	8.4	107	0.00
86	I	Perylene-d12	1.000	1.000	0.0	113	0.02
87		Indeno(1,2,3-cd)pyrene	1.459	1.371	6.0	110	0.01
88		Benzo(b)fluoranthene	1.145	1.051	8.2	106	0.00
89		Benzo(k)fluoranthene	1.165	1.050	9.9	107	0.02
90	C	Benzo(a)pyrene	1.118	1.032	7.7	109	0.02
91		Dibenzo(a,h)anthracene	1.188	1.108	6.7	110	0.02
92		Benzo(g,h,i)perylene	1.179	1.101	6.6	110	0.02

Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024868.D
Acq On : 06 Jun 2025 17:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Quant Time: Jun 06 17:28:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024868.D
Acq On : 06 Jun 2025 17:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Quant Time: Jun 06 17:28:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 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	103	-0.02
2		1,4-Dioxane	40.000	35.338	11.7	97	0.00
3		Pyridine	40.000	40.092	-0.2	107	-0.01
4		n-Nitrosodimethylamine	40.000	41.411	-3.5	110	-0.01
5	S	2-Fluorophenol	80.000	73.239	8.5	97	-0.01
6		Aniline	40.000	40.192	-0.5	106	-0.02
7	S	Phenol-d6	80.000	76.488	4.4	101	-0.01
8		2-Chlorophenol	40.000	39.034	2.4	104	-0.02
9		Benzaldehyde	40.000	48.599	-21.5	131	-0.02
10	C	Phenol	40.000	39.895	0.3	106	-0.02
11		bis(2-Chloroethyl)ether	40.000	39.368	1.6	106	-0.02
12		1,3-Dichlorobenzene	40.000	37.402	6.5	103	-0.01
13	C	1,4-Dichlorobenzene	40.000	37.417	6.5	103	-0.01
14		1,2-Dichlorobenzene	40.000	37.071	7.3	102	-0.02
15		Benzyl Alcohol	40.000	40.859	-2.1	110	-0.02
16		2,2'-oxybis(1-Chloropropane	40.000	38.927	2.7	107	0.00
17		2-Methylphenol	40.000	39.981	0.0	106	-0.02
18		Hexachloroethane	40.000	37.151	7.1	101	-0.01
19	P	n-Nitroso-di-n-propylamine	40.000	40.009	-0.0	107	-0.01
20		3+4-Methylphenols	40.000	39.466	1.3	106	-0.02
21	I	Naphthalene-d8	20.000	20.000	0.0	108	-0.01
22		Acetophenone	40.000	38.549	3.6	107	-0.01
23	S	Nitrobenzene-d5	80.000	67.150	16.1	92	-0.01
24		Nitrobenzene	40.000	39.258	1.9	107	-0.01
25		Isophorone	40.000	39.109	2.2	108	-0.01
26	C	2-Nitrophenol	40.000	39.558	1.1	106	-0.01
27		2,4-Dimethylphenol	40.000	38.761	3.1	106	-0.02
28		bis(2-Chloroethoxy)methane	40.000	38.351	4.1	106	-0.02
29	C	2,4-Dichlorophenol	40.000	39.046	2.4	107	-0.01
30		1,2,4-Trichlorobenzene	40.000	36.514	8.7	104	-0.01
31		Naphthalene	40.000	37.089	7.3	103	-0.02
32		Benzoic acid	40.000	40.420	-1.1	111	-0.01
33		4-Chloroaniline	40.000	39.581	1.0	107	-0.01
34	C	Hexachlorobutadiene	40.000	36.314	9.2	101	-0.01
35		Caprolactam	40.000	41.229	-3.1	110	-0.01
36	C	4-Chloro-3-methylphenol	40.000	40.474	-1.2	109	-0.01
37		2-Methylnaphthalene	40.000	38.430	3.9	106	-0.01
38		1-Methylnaphthalene	40.000	37.674	5.8	105	-0.01
39	I	Acenaphthene-d10	20.000	20.000	0.0	108	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	37.136	7.2	106	0.00
41	P	Hexachlorocyclopentadiene	40.000	38.177	4.6	106	-0.01
42	S	2,4,6-Tribromophenol	80.000	73.160	8.6	102	0.00
43	C	2,4,6-Trichlorophenol	40.000	38.812	3.0	107	-0.01
44		2,4,5-Trichlorophenol	40.000	39.064	2.3	106	0.00
45	S	2-Fluorobiphenyl	80.000	62.434	22.0	90	-0.01
46		1,1'-Biphenyl	40.000	37.502	6.2	106	0.00
47		2-Chloronaphthalene	40.000	36.886	7.8	104	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024868.D
Acq On : 06 Jun 2025 17:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Quant Time: Jun 06 17:28:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	40.813	-2.0	110	0.00
49		Acenaphthylene	40.000	37.274	6.8	106	0.00
50		Dimethylphthalate	40.000	37.185	7.0	106	0.00
51		2,6-Dinitrotoluene	40.000	38.111	4.7	105	0.00
52	C	Acenaphthene	40.000	37.472	6.3	106	0.00
53		3-Nitroaniline	40.000	40.626	-1.6	107	0.00
54	P	2,4-Dinitrophenol	40.000	38.197	4.5	110	0.00
55		Dibenzofuran	40.000	36.605	8.5	104	0.00
56	P	4-Nitrophenol	40.000	38.363	4.1	108	0.00
57		2,4-Dinitrotoluene	40.000	38.936	2.7	107	0.00
58		Fluorene	40.000	37.043	7.4	106	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	38.401	4.0	107	0.00
60		Diethylphthalate	40.000	37.642	5.9	108	0.00
61		4-Chlorophenyl-phenylether	40.000	36.814	8.0	106	0.00
62		4-Nitroaniline	40.000	42.233	-5.6	110	0.00
63		Azobenzene	40.000	38.217	4.5	107	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	112	0.00
65		4,6-Dinitro-2-methylphenol	40.000	38.956	2.6	110	0.00
66	c	n-Nitrosodiphenylamine	40.000	36.846	7.9	107	0.00
67		4-Bromophenyl-phenylether	40.000	35.890	10.3	107	0.00
68		Hexachlorobenzene	40.000	36.182	9.5	107	0.00
69		Atrazine	40.000	37.108	7.2	108	0.00
70	C	Pentachlorophenol	40.000	39.247	1.9	113	0.00
71		Phenanthrene	40.000	36.595	8.5	107	0.00
72		Anthracene	40.000	36.903	7.7	108	0.01
73		Carbazole	40.000	37.755	5.6	110	0.00
74		Di-n-butylphthalate	40.000	36.500	8.8	103	0.00
75	C	Fluoranthene	40.000	36.337	9.2	107	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	111	0.00
77		Benzidine	40.000	44.696	-11.7	118	0.00
78		Pyrene	40.000	36.241	9.4	107	0.00
79	S	Terphenyl-d14	80.000	62.551	21.8	89	0.00
80		Butylbenzylphthalate	40.000	37.347	6.6	106	0.00
81		Benzo(a)anthracene	40.000	36.741	8.1	107	0.00
82		3,3'-Dichlorobenzidine	40.000	37.613	6.0	108	0.00
83		Chrysene	40.000	36.421	8.9	108	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	37.041	7.4	106	0.00
85	c	Di-n-octyl phthalate	40.000	36.654	8.4	107	0.00
86	I	Perylene-d12	20.000	20.000	0.0	113	0.02
87		Indeno(1,2,3-cd)pyrene	40.000	37.578	6.1	110	0.01
88		Benzo(b)fluoranthene	40.000	36.735	8.2	106	0.00
89		Benzo(k)fluoranthene	40.000	36.032	9.9	107	0.02
90	C	Benzo(a)pyrene	40.000	36.932	7.7	109	0.02
91		Dibenzo(a,h)anthracene	40.000	37.321	6.7	110	0.02
92		Benzo(g,h,i)perylene	40.000	37.385	6.5	110	0.02

Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024868.D
Acq On : 06 Jun 2025 17:09
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP060625

Quant Time: Jun 06 17:28:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2230 SAS No.: Q2230 SDG No.: Q2230

Instrument ID: BNA_P Calibration Date/Time: 06/09/2025 10:44

Lab File ID: BP024871.D Init. Calib. Date(s): 06/06/2025 06/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 15:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.198	1.175		-1.9	
Phenol-d6	1.585	1.601		1.0	
Nitrobenzene-d5	0.412	0.405		-1.7	
Naphthalene	1.025	0.984		-4.0	
2-Fluorobiphenyl	1.485	1.394		-6.1	
Acenaphthylene	1.863	1.770		-5.0	
Acenaphthene	1.067	1.029		-3.6	20.0
Fluorene	1.384	1.326		-4.2	
2,4,6-Tribromophenol	0.277	0.273		-1.4	
Phenanthrene	1.105	1.056		-4.4	
Anthracene	1.119	1.067		-4.6	
Fluoranthene	1.281	1.200		-6.3	20.0
Pyrene	1.249	1.182		-5.4	
Terphenyl-d14	1.116	1.046		-6.3	
Benzo(a)anthracene	1.279	1.229		-3.9	
Chrysene	1.212	1.154		-4.8	
Benzo(b)fluoranthene	1.145	1.096		-4.3	
Benzo(k)fluoranthene	1.165	1.086		-6.8	
Benzo(a)pyrene	1.118	1.057		-5.5	20.0
Indeno(1,2,3-cd)pyrene	1.459	1.436		-1.6	
Dibenzo(a,h)anthracene	1.188	1.170		-1.5	
Benzo(g,h,i)perylene	1.179	1.158		-1.8	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024871.D
Acq On : 09 Jun 2025 10:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 09 11:14:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.608	152	255229	20.000	ng		0.00
21) Naphthalene-d8	10.378	136	1115940	20.000	ng		0.00
39) Acenaphthene-d10	14.242	164	722087	20.000	ng		0.00
64) Phenanthrene-d10	17.048	188	1406327	20.000	ng		-0.01
76) Chrysene-d12	21.477	240	1456984	20.000	ng		0.00
86) Perylene-d12	24.724	264	1778909	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.237	112	1199496	78.447	ng		0.00
7) Phenol-d6	6.813	99	1634108	80.773	ng		0.00
23) Nitrobenzene-d5	8.760	82	1808189	78.737	ng		0.00
42) 2,4,6-Tribromophenol	15.772	330	787365	78.869	ng		-0.01
45) 2-Fluorobiphenyl	12.854	172	4025076	75.092	ng		0.00
79) Terphenyl-d14	19.772	244	6095445	74.981	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.167	88	265533	39.467	ng		99
3) Pyridine	3.567	79	689182	42.594	ng		98
4) n-Nitrosodimethylamine	3.478	42	267010	40.365	ng		100
6) Aniline	6.949	93	1049995	40.669	ng		98
8) 2-Chlorophenol	7.184	128	685280	39.534	ng		98
9) Benzaldehyde	6.766	77	455649m	39.075	ng		
10) Phenol	6.837	94	850419	40.776	ng		99
11) bis(2-Chloroethyl)ether	7.043	93	653387	39.832	ng		99
12) 1,3-Dichlorobenzene	7.496	146	732347	37.873	ng		98
13) 1,4-Dichlorobenzene	7.643	146	745968	38.233	ng		99
14) 1,2-Dichlorobenzene	7.955	146	717710	37.460	ng		99
15) Benzyl Alcohol	7.860	79	630051	40.579	ng		100
16) 2,2'-oxybis(1-Chloropr...	8.137	45	832787	38.789	ng		98
17) 2-Methylphenol	8.066	107	588106	40.381	ng		99
18) Hexachloroethane	8.666	117	276609	37.656	ng		97
19) n-Nitroso-di-n-propyla...	8.413	70	555174	40.367	ng		99
20) 3+4-Methylphenols	8.396	107	804072	40.467	ng		97
22) Acetophenone	8.425	105	1098338	38.956	ng	#	100
24) Nitrobenzene	8.802	77	800749	39.249	ng		98
25) Isophorone	9.325	82	1547539	38.882	ng		99
26) 2-Nitrophenol	9.507	139	404106	40.144	ng		99
27) 2,4-Dimethylphenol	9.578	122	675766	39.225	ng		99
28) bis(2-Chloroethoxy)met...	9.796	93	912458	38.433	ng		99
29) 2,4-Dichlorophenol	10.049	162	661006	39.988	ng		99
30) 1,2,4-Trichlorobenzene	10.243	180	695864	37.323	ng		99
31) Naphthalene	10.425	128	2195188	38.386	ng		100
32) Benzoic acid	9.760	122	472238	40.563	ng		98
33) 4-Chloroaniline	10.549	127	968476	40.422	ng		100
34) Hexachlorobutadiene	10.707	225	418109	37.207	ng		99
35) Caprolactam	11.343	113	249771	41.048	ng		98
36) 4-Chloro-3-methylphenol	11.701	107	774660	40.629	ng		98
37) 2-Methylnaphthalene	12.043	142	1432131	39.479	ng		99
38) 1-Methylnaphthalene	12.260	142	1506506	38.845	ng		99
40) 1,2,4,5-Tetrachloroben...	12.419	216	781589	38.146	ng		100
41) Hexachlorocyclopentadiene	12.396	237	479050	38.332	ng		99
43) 2,4,6-Trichlorophenol	12.672	196	538063	39.103	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024871.D
Acq On : 09 Jun 2025 10:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 09 11:14:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.760	196	600998	40.784	ng		98
46) 1,1'-Biphenyl	13.066	154	1994835	38.014	ng		99
47) 2-Chloronaphthalene	13.107	162	1543806	38.278	ng		99
48) 2-Nitroaniline	13.331	65	506207	40.825	ng		98
49) Acenaphthylene	13.966	152	2556300	38.013	ng		100
50) Dimethylphthalate	13.707	163	2022085	37.961	ng		100
51) 2,6-Dinitrotoluene	13.831	165	445371	38.784	ng		99
52) Acenaphthene	14.313	154	1485445	38.548	ng		99
53) 3-Nitroaniline	14.172	138	494719	41.514	ng		96
54) 2,4-Dinitrophenol	14.384	184	262463	38.223	ng		96
55) Dibenzofuran	14.654	168	2354168	38.059	ng		100
56) 4-Nitrophenol	14.525	139	364266	39.074	ng		98
57) 2,4-Dinitrotoluene	14.637	165	640380	39.866	ng		98
58) Fluorene	15.313	166	1914326	38.310	ng		100
59) 2,3,4,6-Tetrachlorophenol	14.895	232	525400	39.904	ng		99
60) Diethylphthalate	15.084	149	2015313	37.963	ng		99
61) 4-Chlorophenyl-phenyle...	15.307	204	905582	37.065	ng		100
62) 4-Nitroaniline	15.354	138	472390	43.719	ng		95
63) Azobenzene	15.607	77	1883823	38.692	ng		99
65) 4,6-Dinitro-2-methylph...	15.413	198	367928	39.815	ng		95
66) n-Nitrosodiphenylamine	15.537	169	1675390	38.436	ng		99
67) 4-Bromophenyl-phenylether	16.225	248	606816	38.242	ng		98
68) Hexachlorobenzene	16.336	284	734824	38.199	ng		99
69) Atrazine	16.519	200	602255	38.113	ng		99
70) Pentachlorophenol	16.707	266	420547	42.241	ng		99
71) Phenanthrene	17.095	178	2969260	38.207	ng		99
72) Anthracene	17.189	178	3002181	38.143	ng		99
73) Carbazole	17.483	167	2826406	38.742	ng		100
74) Di-n-butylphthalate	18.054	149	3362066	37.195	ng		100
75) Fluoranthene	19.183	202	3375260	37.471	ng		99
77) Benzidine	19.383	184	1915629	42.452	ng		100
78) Pyrene	19.560	202	3443152	37.827	ng		100
80) Butylbenzylphthalate	20.507	149	1585622	38.030	ng		99
81) Benzo(a)anthracene	21.460	228	3579939	38.417	ng		99
82) 3,3'-Dichlorobenzidine	21.383	252	1431070	38.683	ng		99
83) Chrysene	21.524	228	3364139	38.101	ng		99
84) Bis(2-ethylhexyl)phtha...	21.389	149	2248290	37.636	ng		99
85) Di-n-octyl phthalate	22.630	149	3936161	37.383	ng		100
87) Indeno(1,2,3-cd)pyrene	28.412	276	5109505	39.367	ng	#	94
88) Benzo(b)fluoranthene	23.689	252	3899336	38.301	ng		99
89) Benzo(k)fluoranthene	23.765	252	3863940	37.286	ng		100
90) Benzo(a)pyrene	24.571	252	3762288	37.841	ng		99
91) Dibenzo(a,h)anthracene	28.465	278	4160909	39.385	ng		99
92) Benzo(g,h,i)perylene	29.553	276	4120588	39.310	ng		99

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

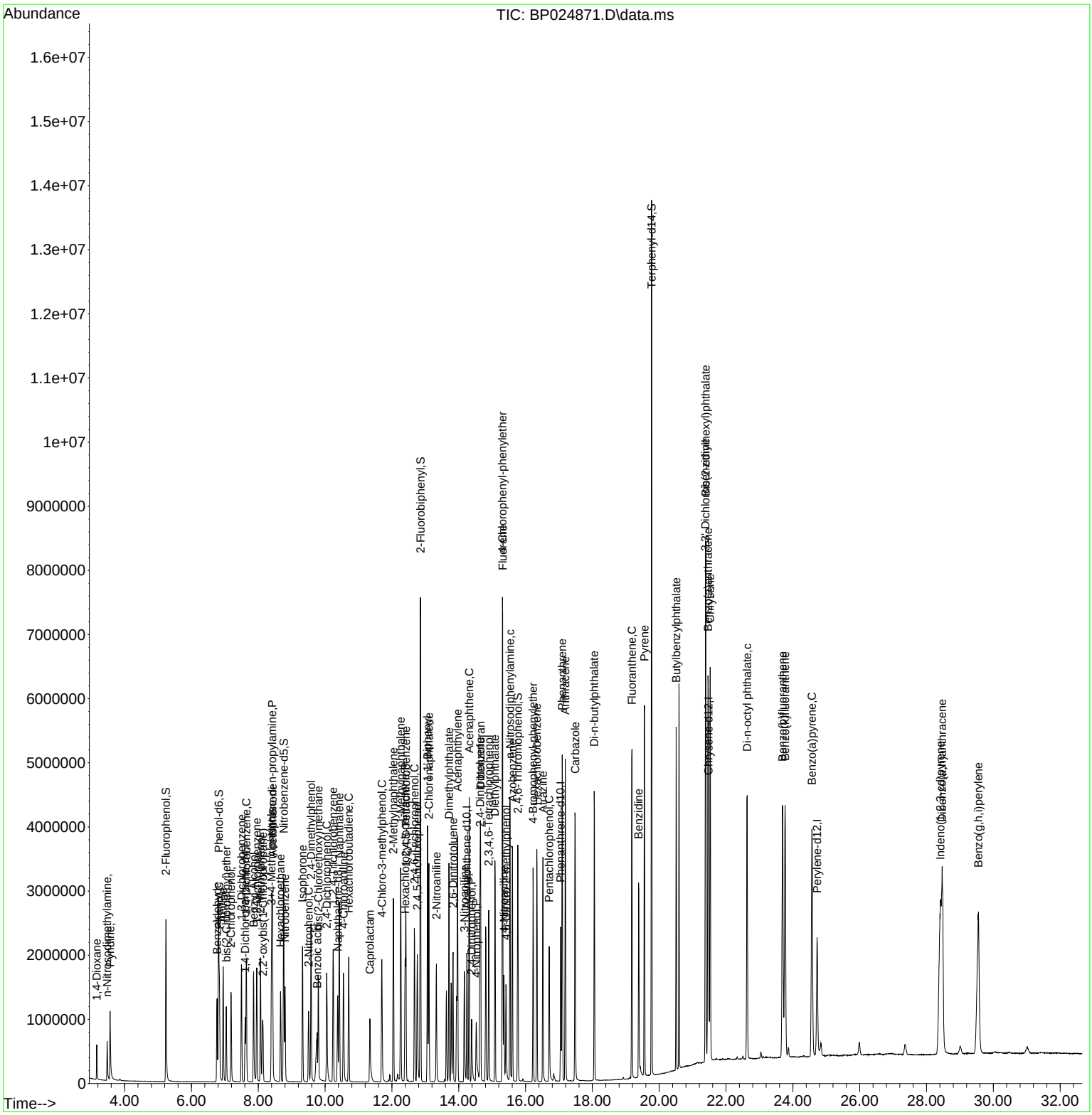
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Data File : BP024871.D
Acq On : 09 Jun 2025 10:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

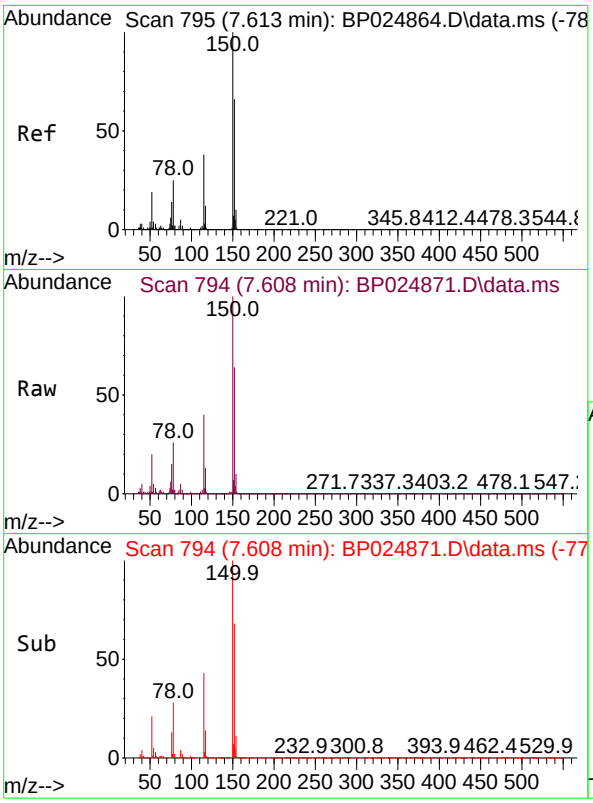
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

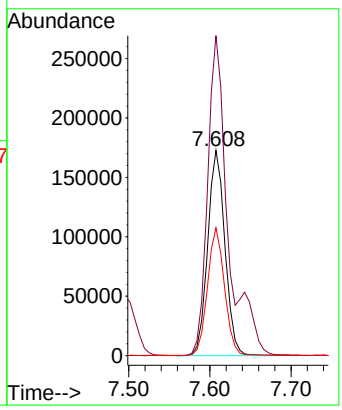




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 79
Delta R.T. -0.005 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

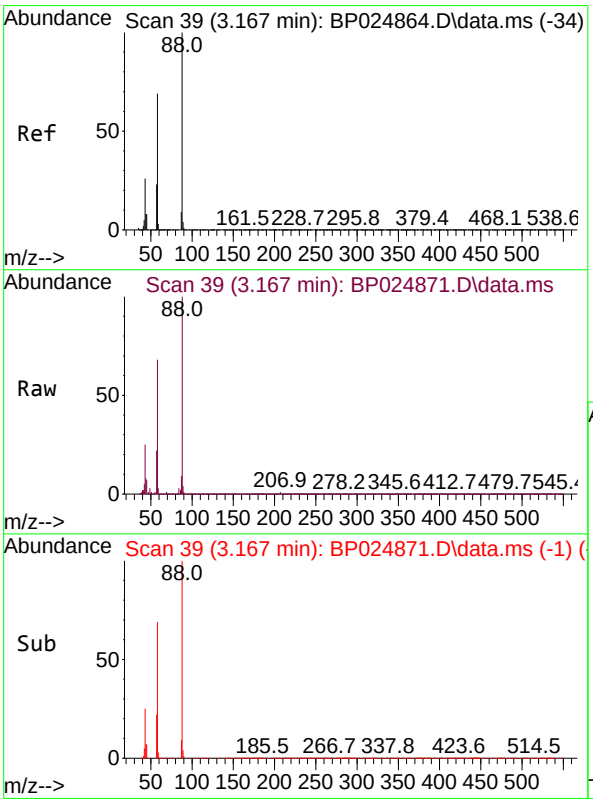
Tgt Ion:152 Resp: 25522

Ion	Ratio	Lower	Upper
152	100		
150	156.0	122.1	183.1
115	62.3	46.4	69.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

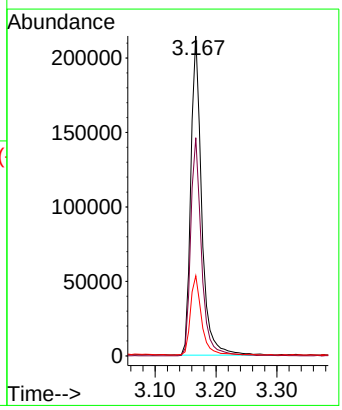
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

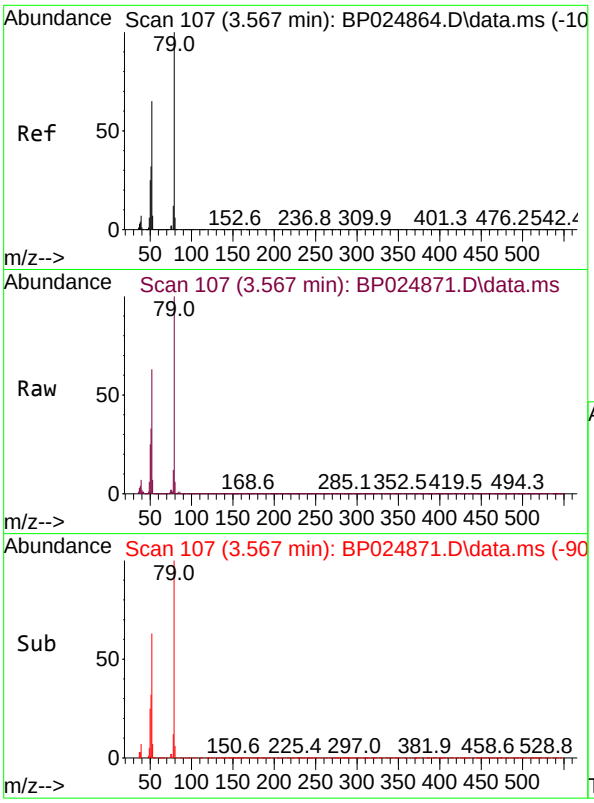


#2
1,4-Dioxane
Concen: 39.467 ng
RT: 3.167 min Scan# 39
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion: 88 Resp: 265533

Ion	Ratio	Lower	Upper
88	100		
58	68.4	55.4	83.0
43	25.4	20.8	31.2

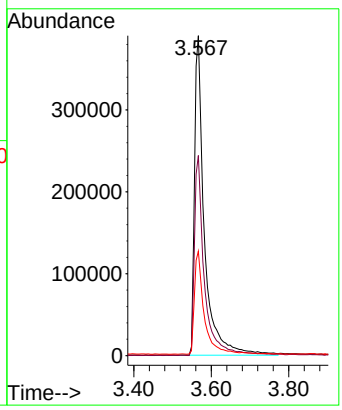




#3
Pyridine
Concen: 42.594 ng
RT: 3.567 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion: 79 Resp: 68918

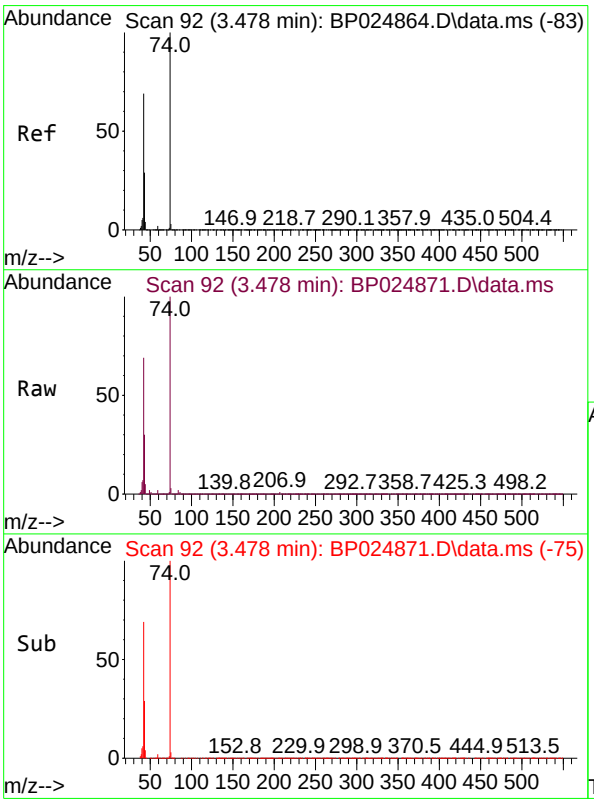
Ion	Ratio	Lower	Upper
79	100		
52	62.5	51.6	77.4
51	32.6	25.5	38.3



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

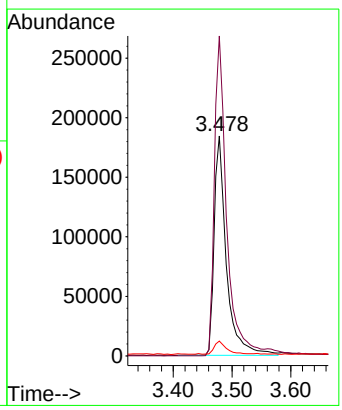
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

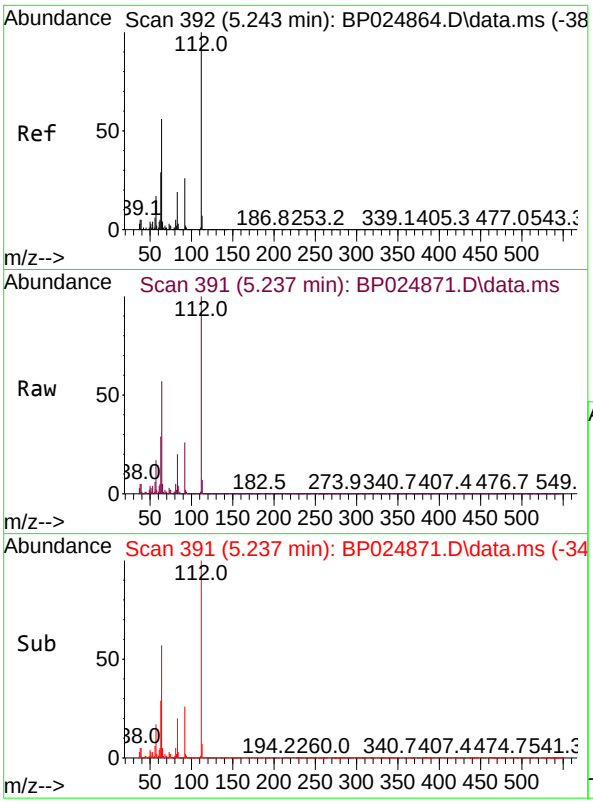


#4
n-Nitrosodimethylamine
Concen: 40.365 ng
RT: 3.478 min Scan# 92
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion: 42 Resp: 267010

Ion	Ratio	Lower	Upper
42	100		
74	145.5	116.6	174.8
44	6.8	5.4	8.0

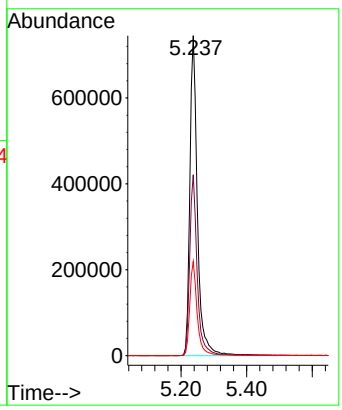




#5
2-Fluorophenol
Concen: 78.447 ng
RT: 5.237 min Scan# 39
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:112 Resp: 119949

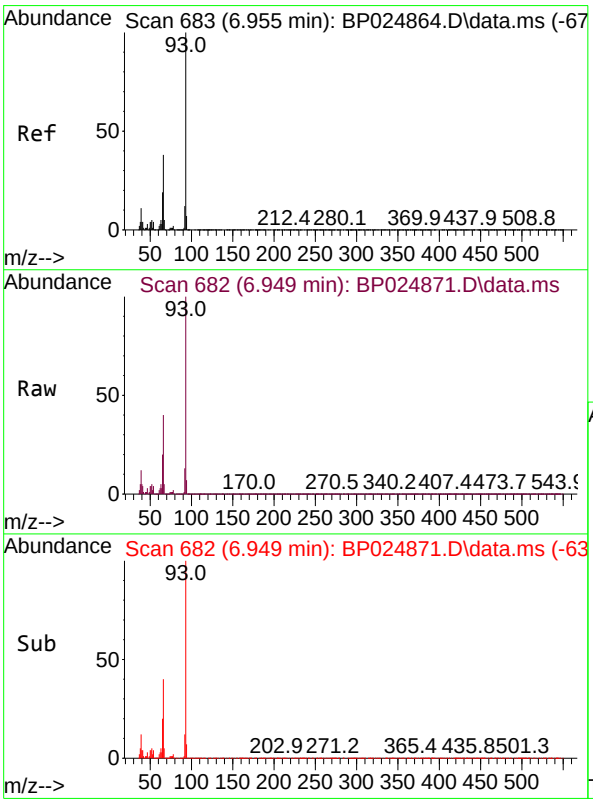
Ion	Ratio	Lower	Upper
112	100		
64	56.5	44.7	67.1
63	29.4	23.5	35.3



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

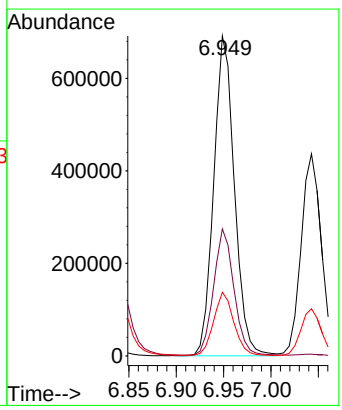
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

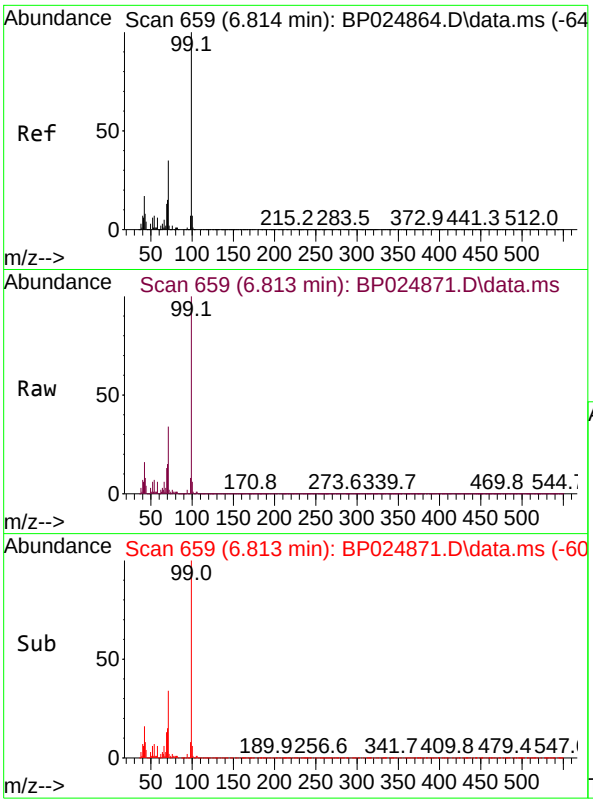


#6
Aniline
Concen: 40.669 ng
RT: 6.949 min Scan# 682
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion: 93 Resp: 1049995

Ion	Ratio	Lower	Upper
93	100		
66	39.7	30.9	46.3
65	19.9	15.5	23.3

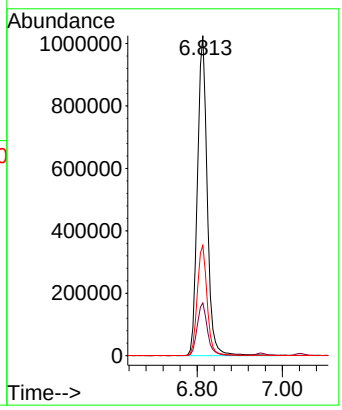




#7
Phenol-d6
Concen: 80.773 ng
RT: 6.813 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion: 99 Resp: 163410

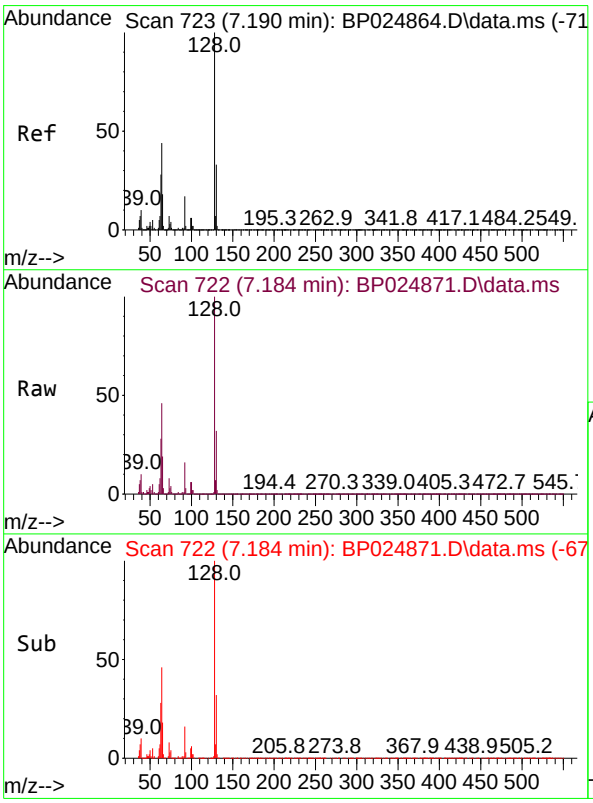
Ion	Ratio	Lower	Upper
99	100		
42	16.5	13.4	20.2
71	34.4	27.6	41.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

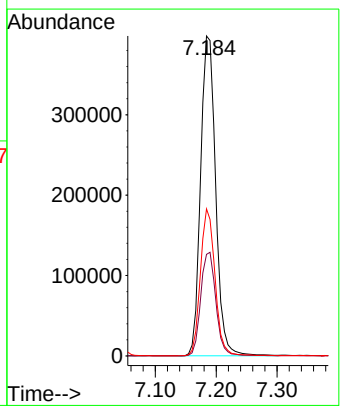
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

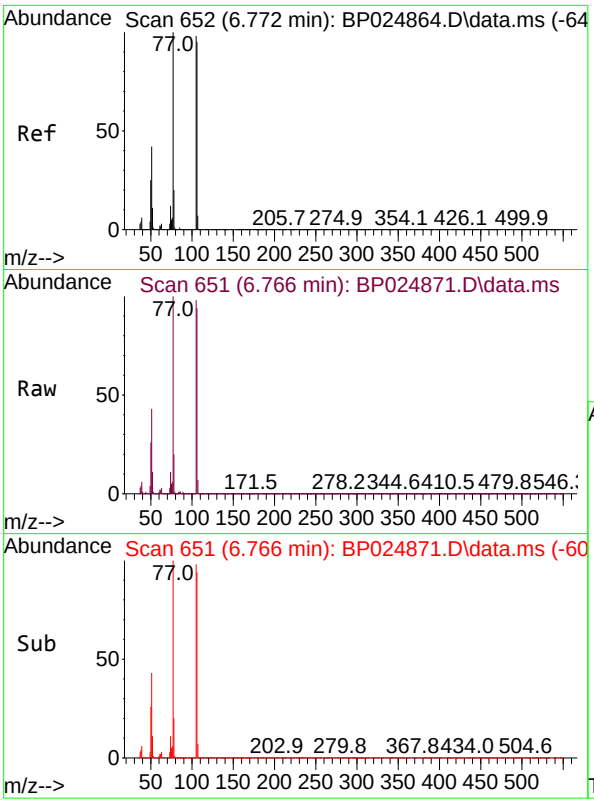


#8
2-Chlorophenol
Concen: 39.534 ng
RT: 7.184 min Scan# 722
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:128 Resp: 685280

Ion	Ratio	Lower	Upper
128	100		
130	31.7	12.6	52.6
64	45.9	24.1	64.1

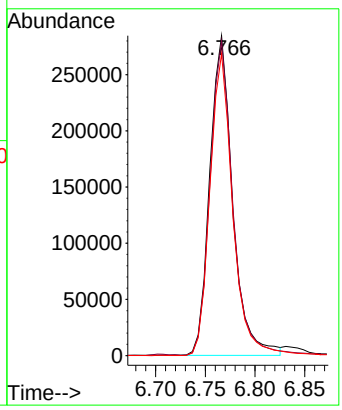




#9
Benzaldehyde
Concen: 39.075 ng m
RT: 6.766 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion: 77 Resp: 45564

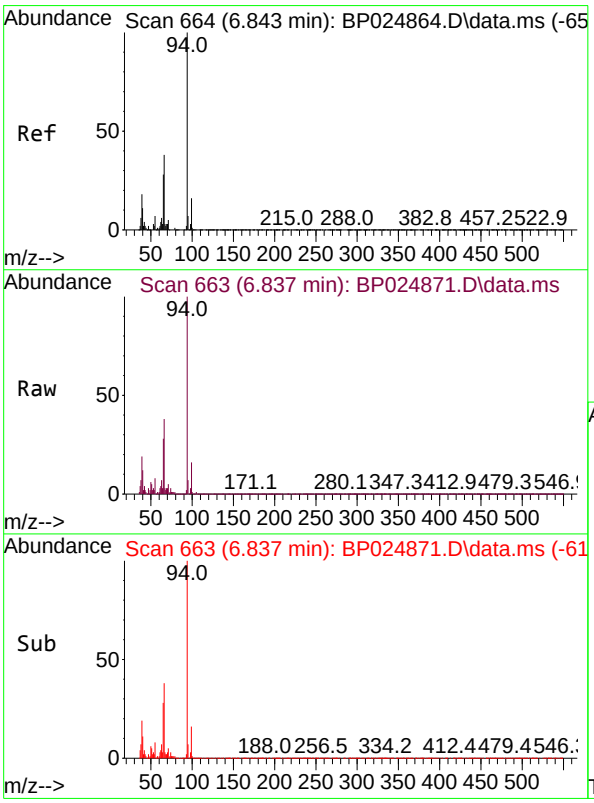
Ion	Ratio	Lower	Upper
77	100		
105	98.4	77.7	117.7
106	94.3	74.8	114.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

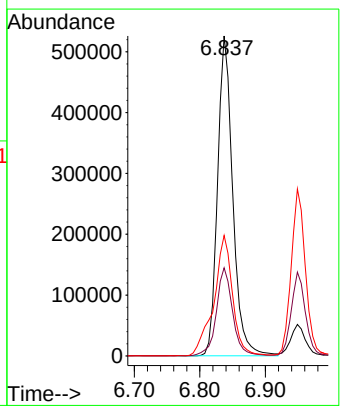
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

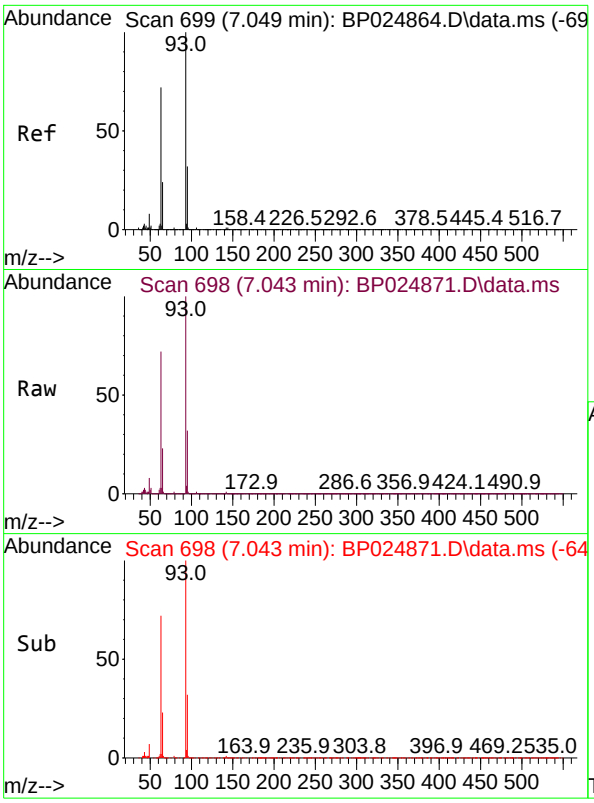


#10
Phenol
Concen: 40.776 ng
RT: 6.837 min Scan# 663
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion: 94 Resp: 850419

Ion	Ratio	Lower	Upper
94	100		
65	27.5	8.3	48.3
66	37.6	18.2	58.2

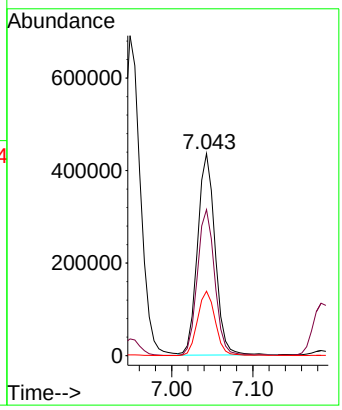




#11
bis(2-Chloroethyl)ether
Concen: 39.832 ng
RT: 7.043 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion: 93 Resp: 65338

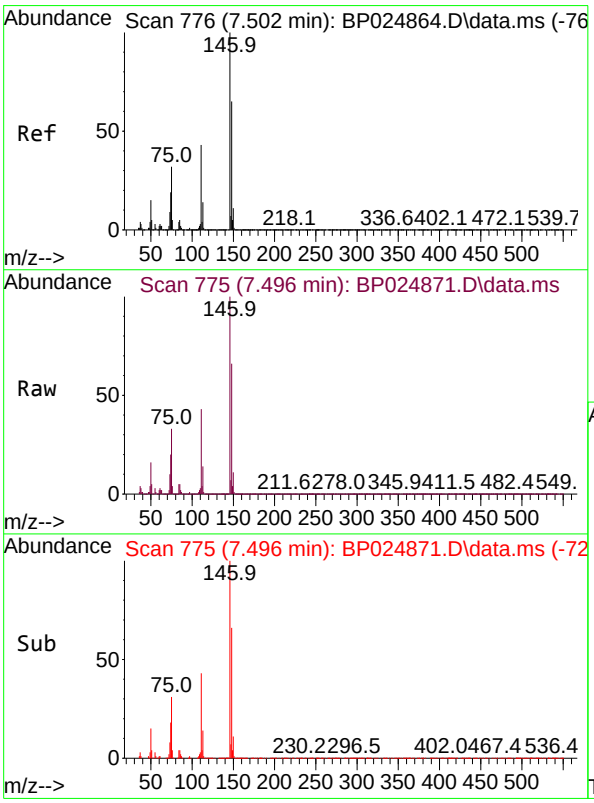
Ion	Ratio	Lower	Upper
93	100		
63	72.2	51.6	91.6
95	31.9	12.1	52.1



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

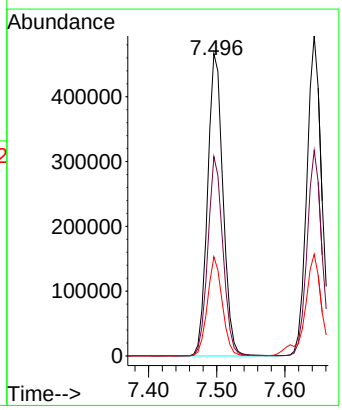
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

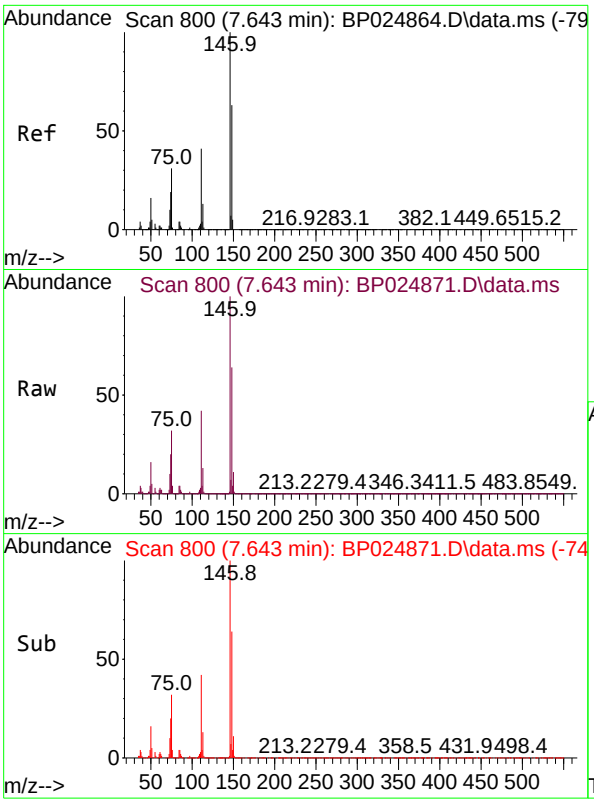


#12
1,3-Dichlorobenzene
Concen: 37.873 ng
RT: 7.496 min Scan# 775
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:146 Resp: 732347

Ion	Ratio	Lower	Upper
146	100		
148	65.9	51.8	77.8
75	32.8	25.3	37.9

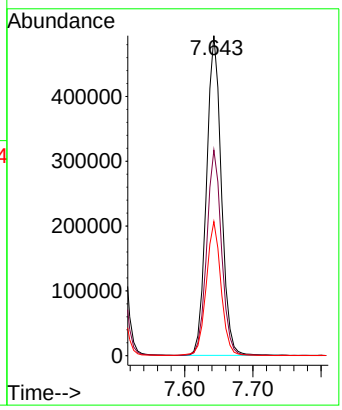




#13
1,4-Dichlorobenzene
Concen: 38.233 ng
RT: 7.643 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:146 Resp: 74596

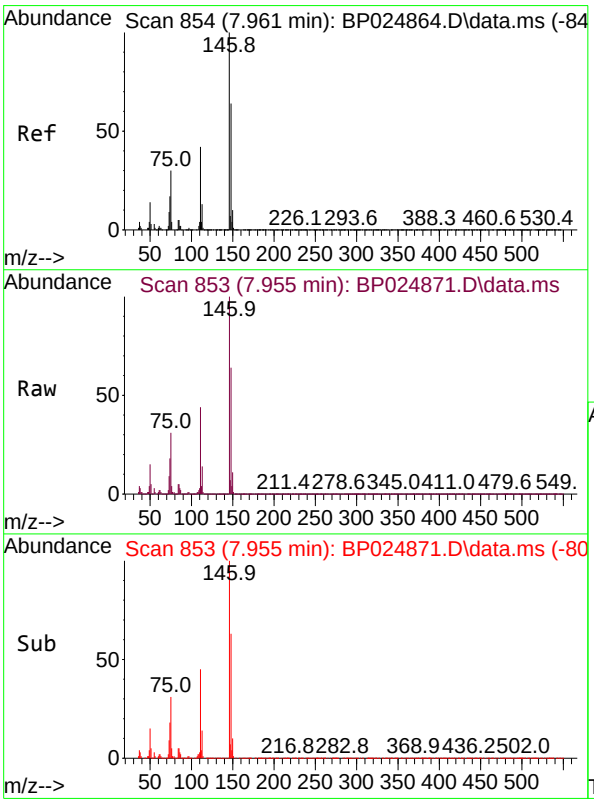
Ion	Ratio	Lower	Upper
146	100		
148	64.2	50.8	76.2
111	41.9	32.7	49.1



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

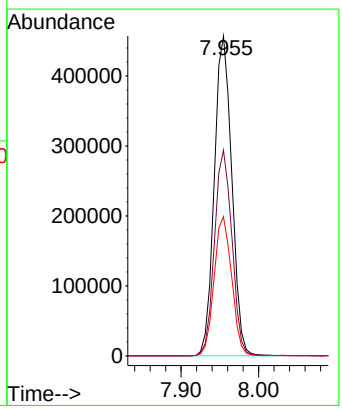
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

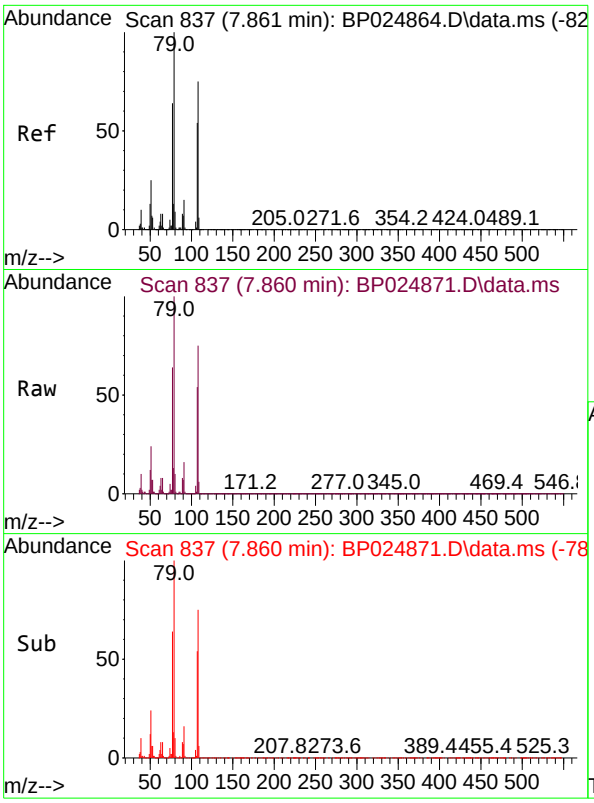


#14
1,2-Dichlorobenzene
Concen: 37.460 ng
RT: 7.955 min Scan# 853
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:146 Resp: 717710

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.0	76.4
111	43.5	33.8	50.8





#15
Benzyl Alcohol
Concen: 40.579 ng
RT: 7.860 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

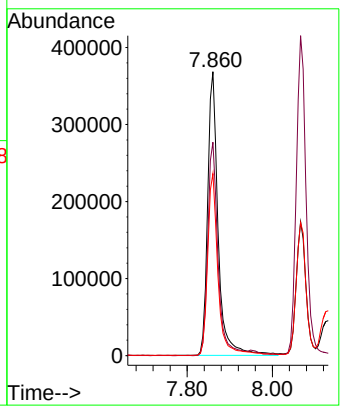
Tgt Ion: 79 Resp: 63005

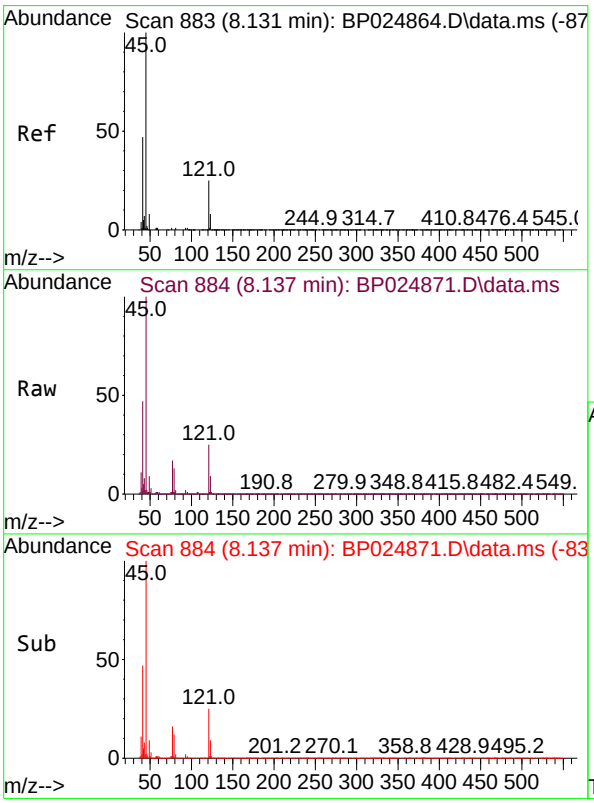
Ion	Ratio	Lower	Upper
79	100		
108	75.1	60.2	90.4
77	64.1	51.2	76.8

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

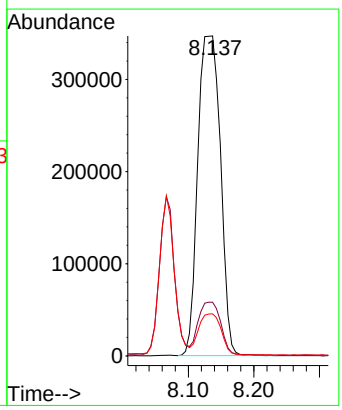


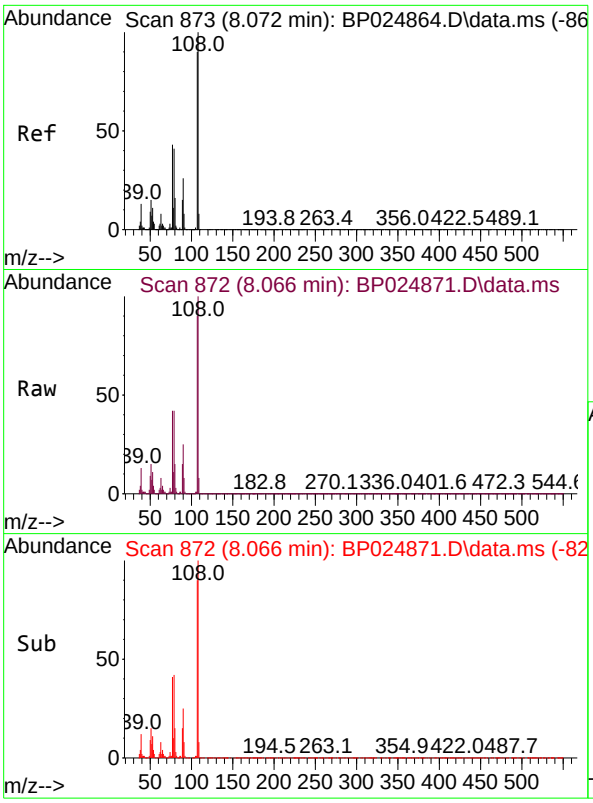


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.789 ng
RT: 8.137 min Scan# 884
Delta R.T. 0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion: 45 Resp: 832787

Ion	Ratio	Lower	Upper
45	100		
77	16.8	0.0	36.3
79	13.1	0.0	32.2

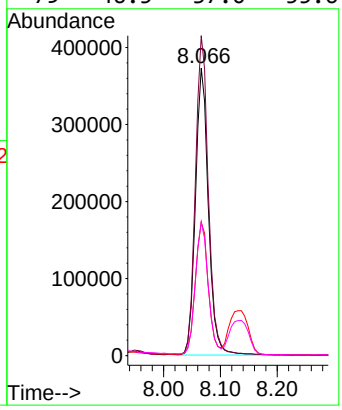




#17
2-Methylphenol
Concen: 40.381 ng
RT: 8.066 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:107 Resp: 58810

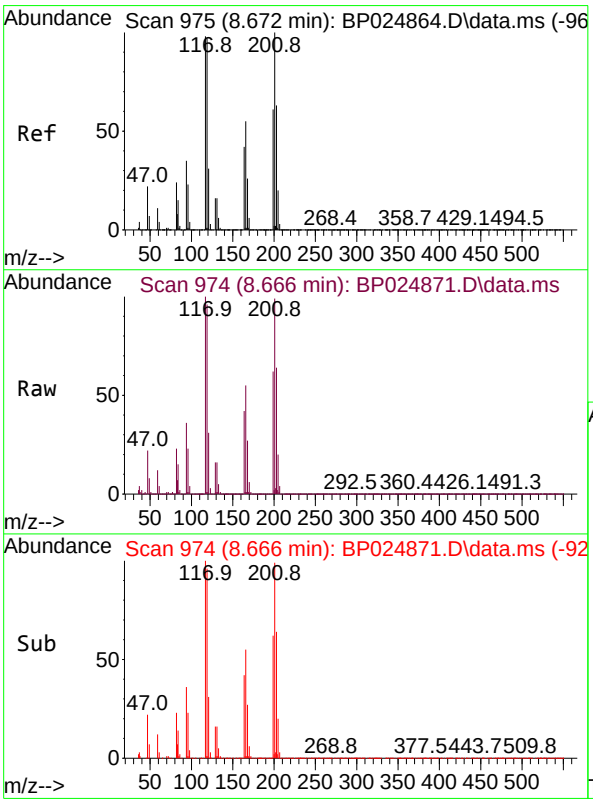
Ion	Ratio	Lower	Upper
107	100		
108	111.3	88.6	132.8
77	46.3	38.5	57.7
79	46.5	37.0	55.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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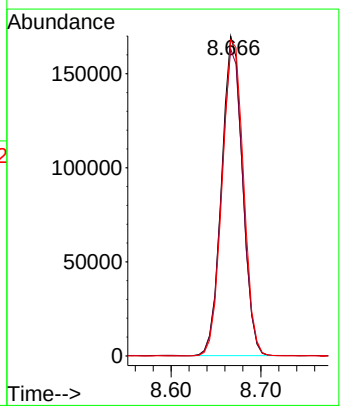
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

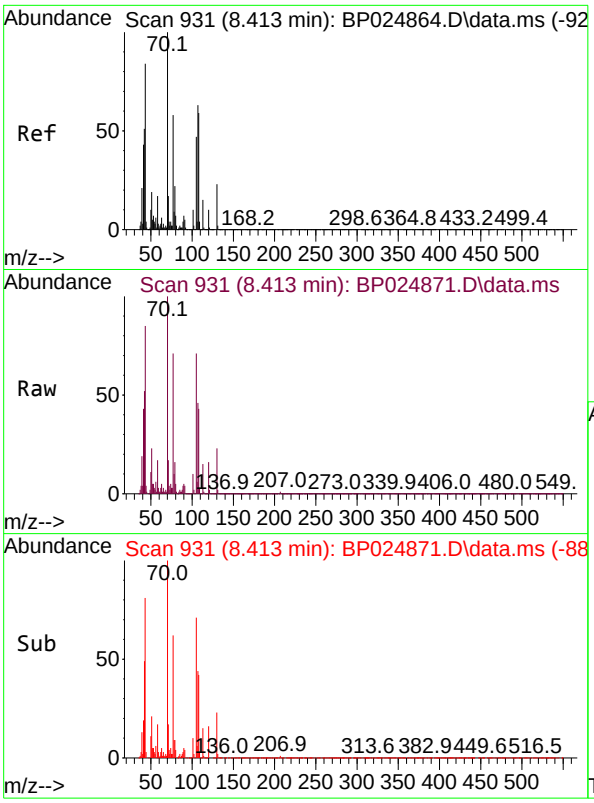


#18
Hexachloroethane
Concen: 37.656 ng
RT: 8.666 min Scan# 974
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:117 Resp: 276609

Ion	Ratio	Lower	Upper
117	100		
119	95.8	79.4	119.2
201	98.7	81.4	122.2

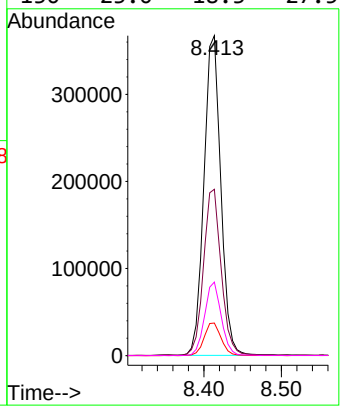




#19
n-Nitroso-di-n-propylamine
Concen: 40.367 ng
RT: 8.413 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion: 70 Resp: 55517

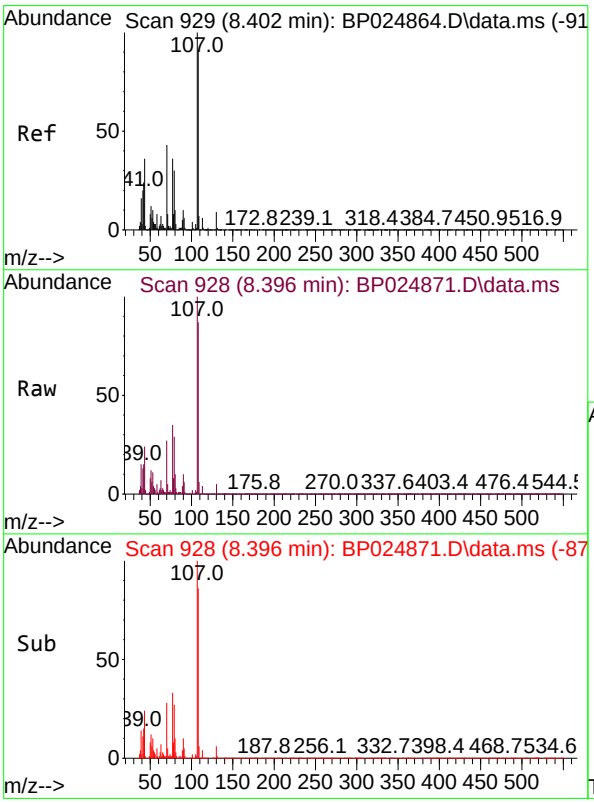
Ion	Ratio	Lower	Upper
70	100		
42	52.0	41.2	61.8
101	10.2	8.3	12.5
130	23.0	18.3	27.5



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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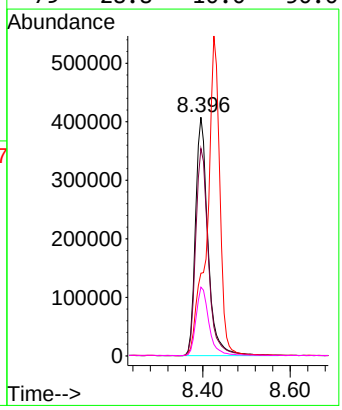
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

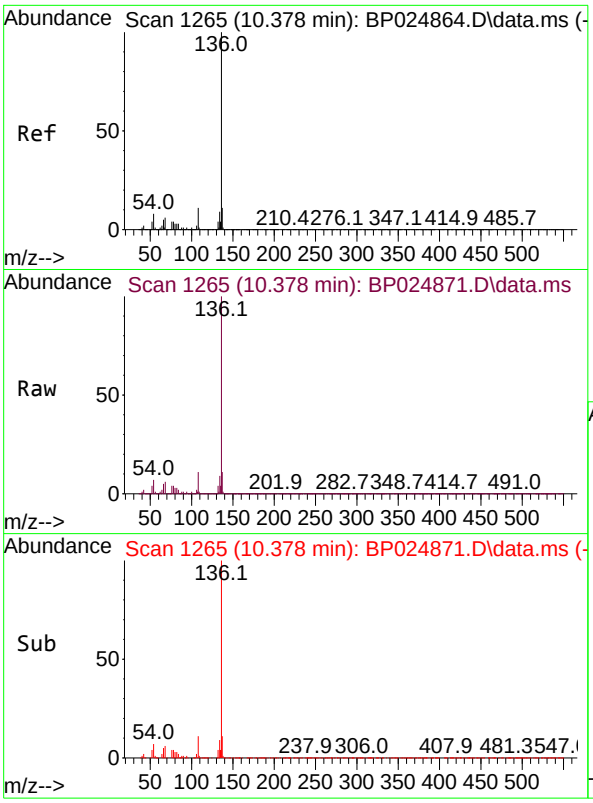


#20
3+4-Methylphenols
Concen: 40.467 ng
RT: 8.396 min Scan# 928
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:107 Resp: 804072

Ion	Ratio	Lower	Upper
107	100		
108	87.0	70.7	110.7
77	34.6	16.6	56.6
79	28.8	10.0	50.0

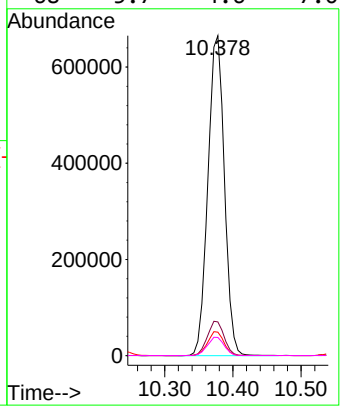




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

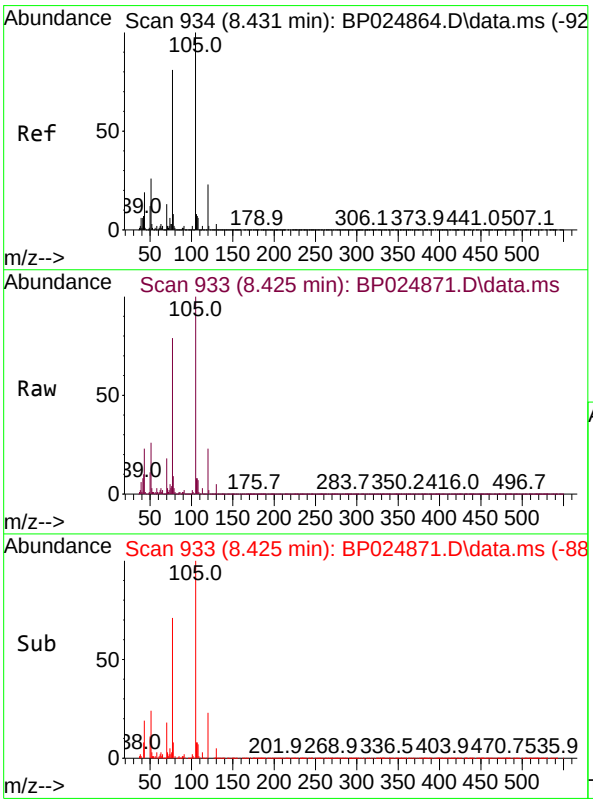
Tgt Ion:136 Resp: 111594

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	7.3	6.1	9.1
68	5.7	4.6	7.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

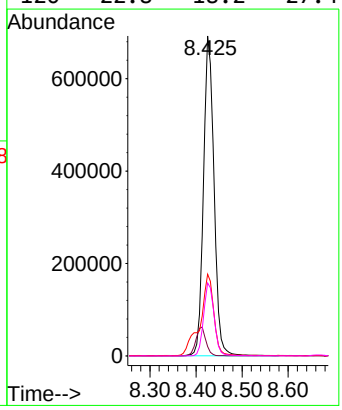
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

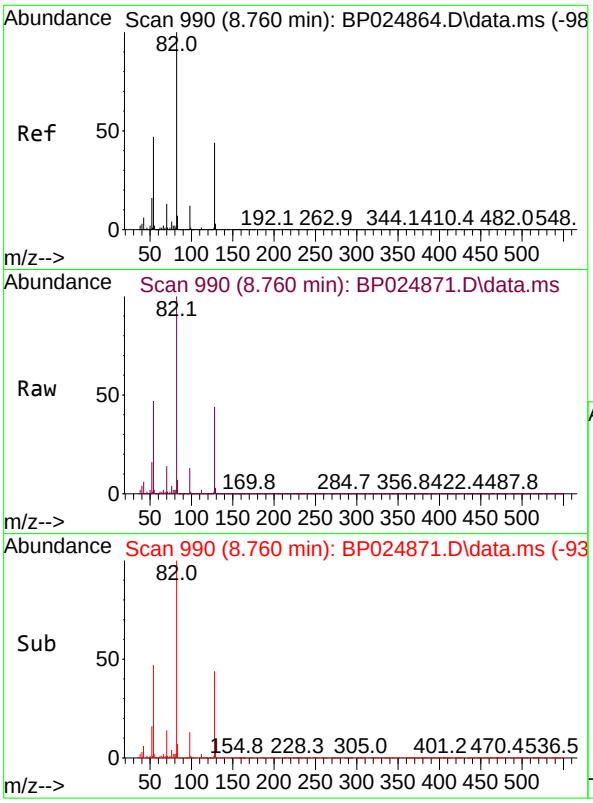


#22
Acetophenone
Concen: 38.956 ng
RT: 8.425 min Scan# 933
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:105 Resp: 1098338

Ion	Ratio	Lower	Upper
105	100		
71	3.0	1.6	2.4#
51	25.5	20.6	31.0
120	22.8	18.2	27.4

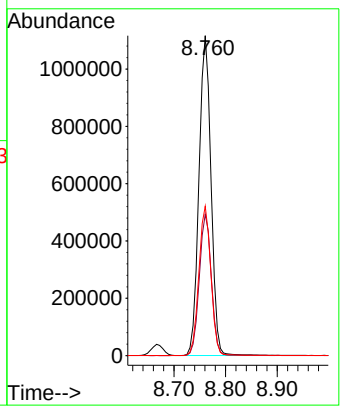




#23
Nitrobenzene-d5
Concen: 78.737 ng
RT: 8.760 min Scan# 99
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion: 82 Resp: 180818

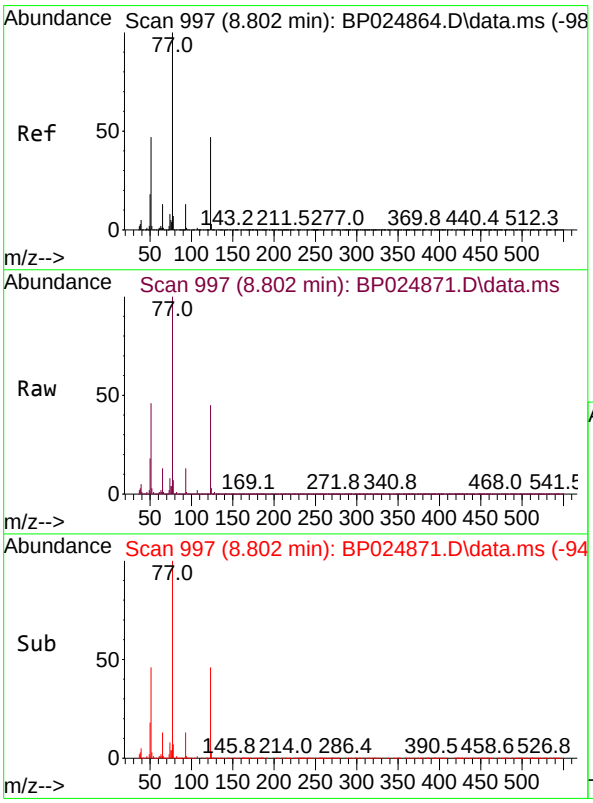
Ion	Ratio	Lower	Upper
82	100		
128	44.2	35.3	52.9
54	46.7	37.4	56.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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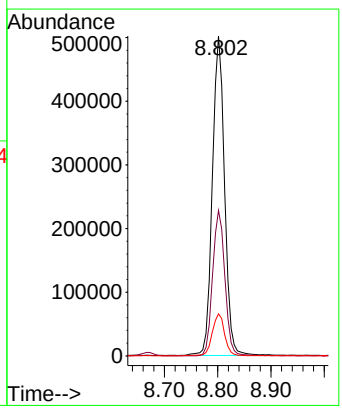
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

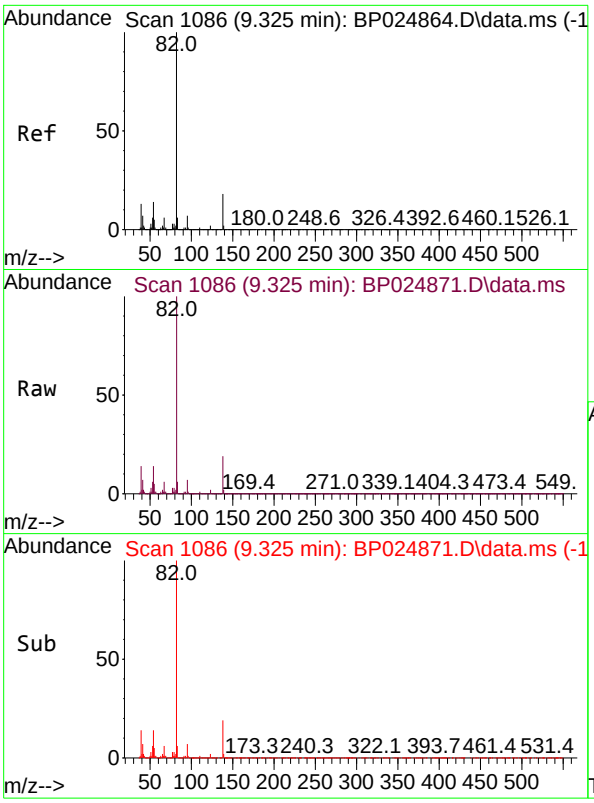


#24
Nitrobenzene
Concen: 39.249 ng
RT: 8.802 min Scan# 997
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion: 77 Resp: 800749

Ion	Ratio	Lower	Upper
77	100		
123	45.5	37.3	55.9
65	13.1	10.8	16.2

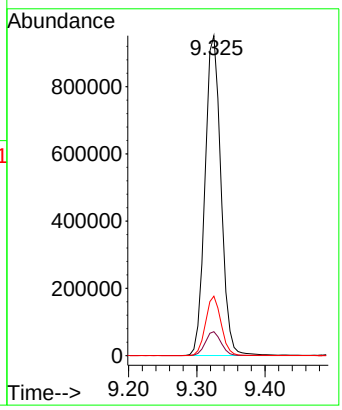




#25
Isophorone
Concen: 38.882 ng
RT: 9.325 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion: 82 Resp: 154753

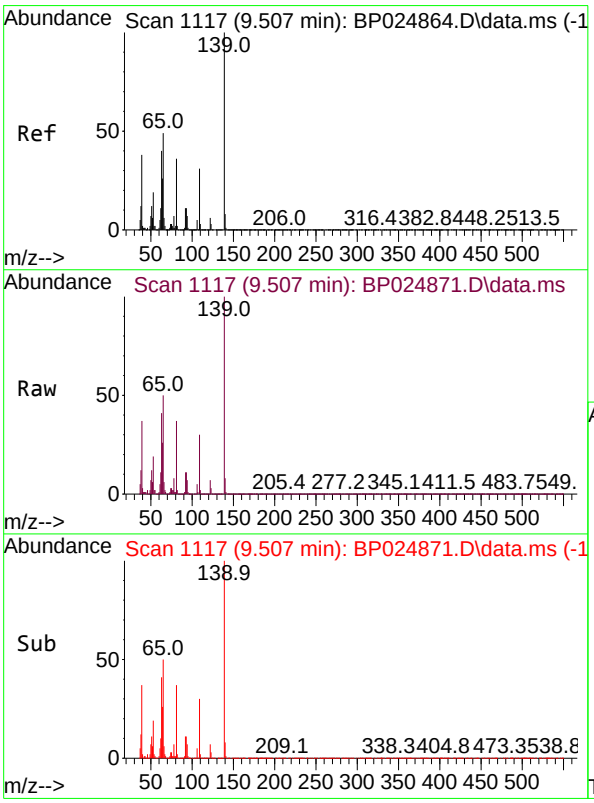
Ion	Ratio	Lower	Upper
82	100		
95	7.5	5.9	8.9
138	18.6	14.6	21.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

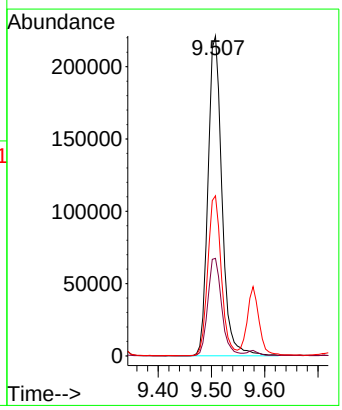
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

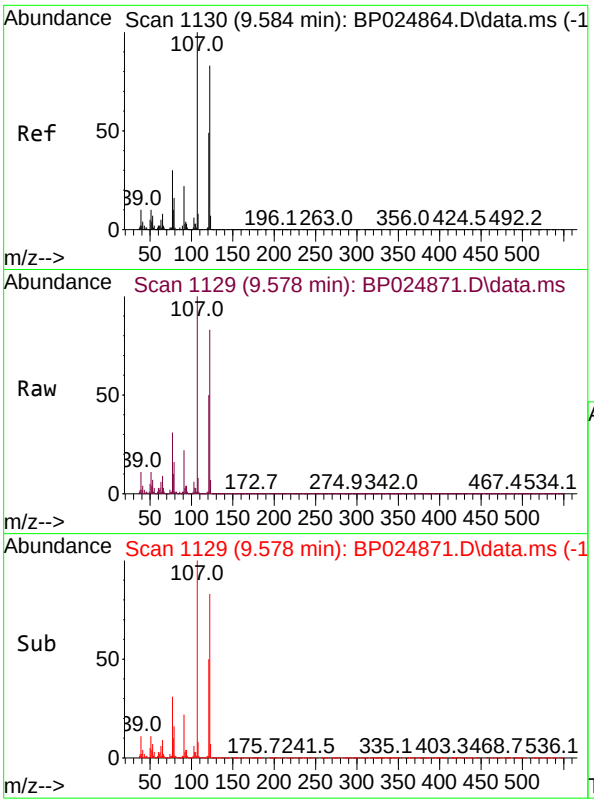


#26
2-Nitrophenol
Concen: 40.144 ng
RT: 9.507 min Scan# 1117
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:139 Resp: 404106

Ion	Ratio	Lower	Upper
139	100		
109	30.5	24.6	37.0
65	50.0	39.5	59.3

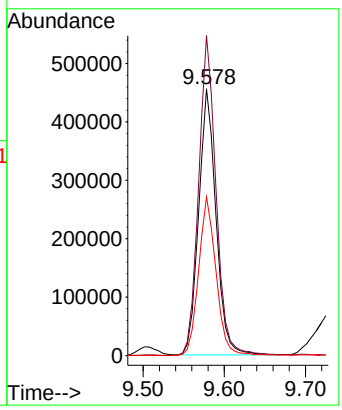




#27
2,4-Dimethylphenol
Concen: 39.225 ng
RT: 9.578 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:122 Resp: 675766

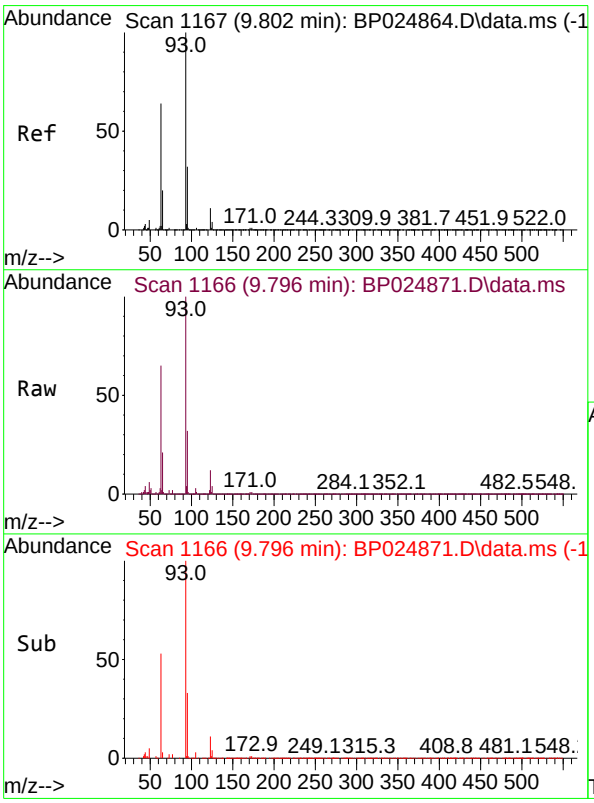
Ion	Ratio	Lower	Upper
122	100		
107	120.0	96.2	144.4
121	59.5	47.0	70.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

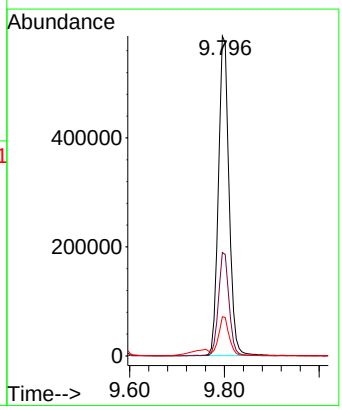
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

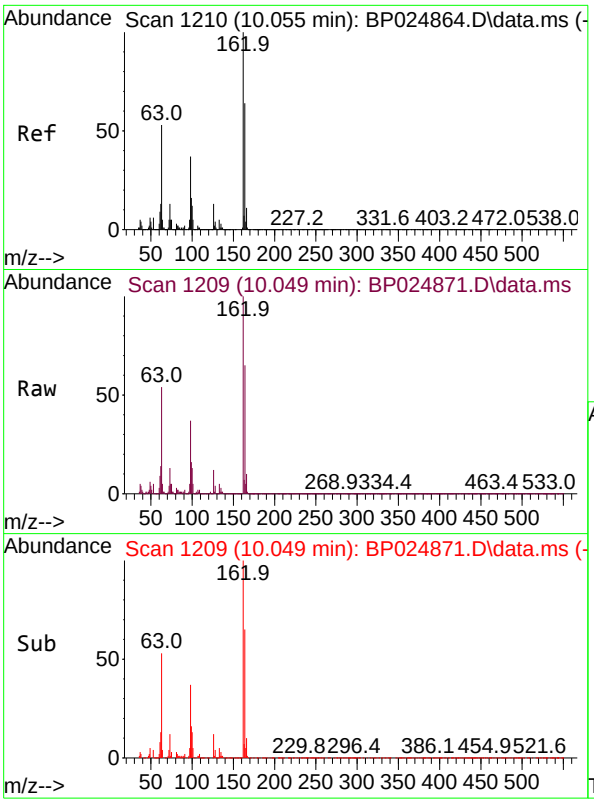


#28
bis(2-Chloroethoxy)methane
Concen: 38.433 ng
RT: 9.796 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion: 93 Resp: 912458

Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.5	38.3
123	12.2	9.2	13.8

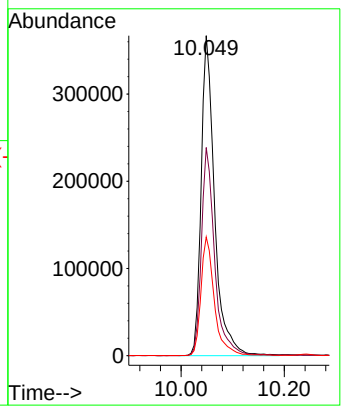




#29
2,4-Dichlorophenol
Concen: 39.988 ng
RT: 10.049 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:162 Resp: 66100

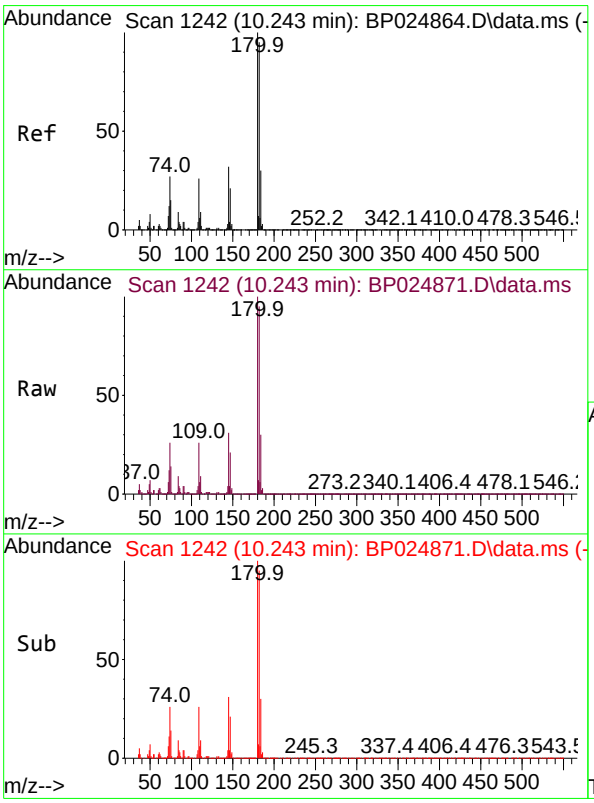
Ion	Ratio	Lower	Upper
162	100		
164	65.0	44.0	84.0
98	37.1	16.9	56.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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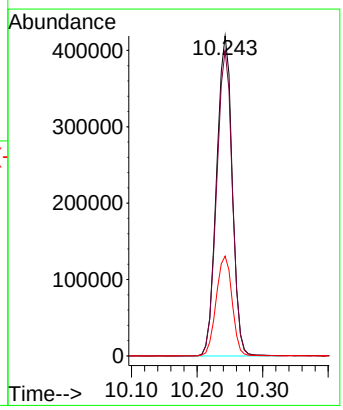
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

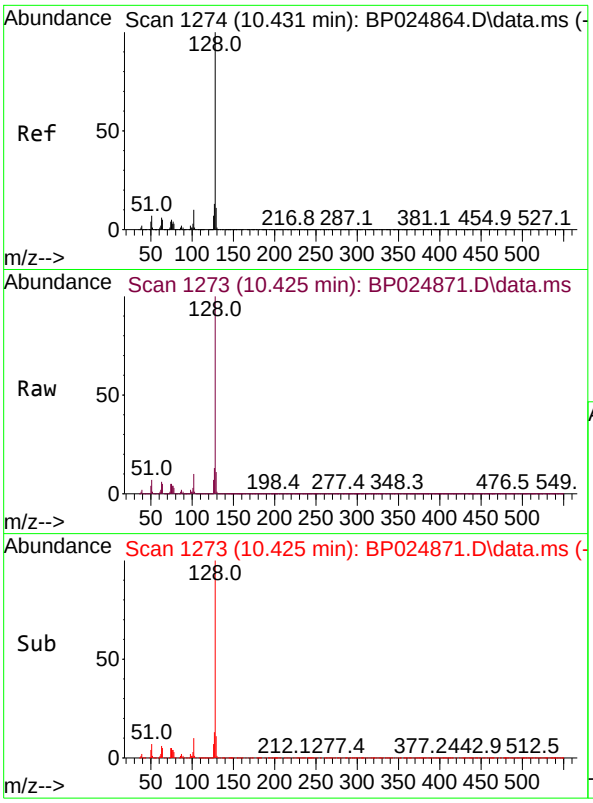


#30
1,2,4-Trichlorobenzene
Concen: 37.323 ng
RT: 10.243 min Scan# 1242
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:180 Resp: 695864

Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.8	113.6
145	31.2	25.7	38.5

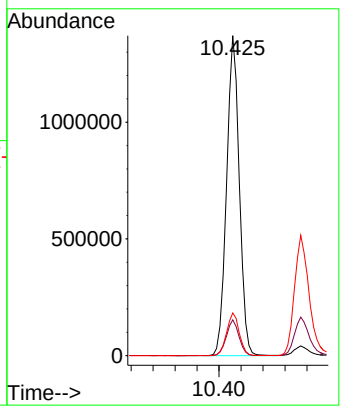




#31
Naphthalene
Concen: 38.386 ng
RT: 10.425 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:128 Resp: 219518

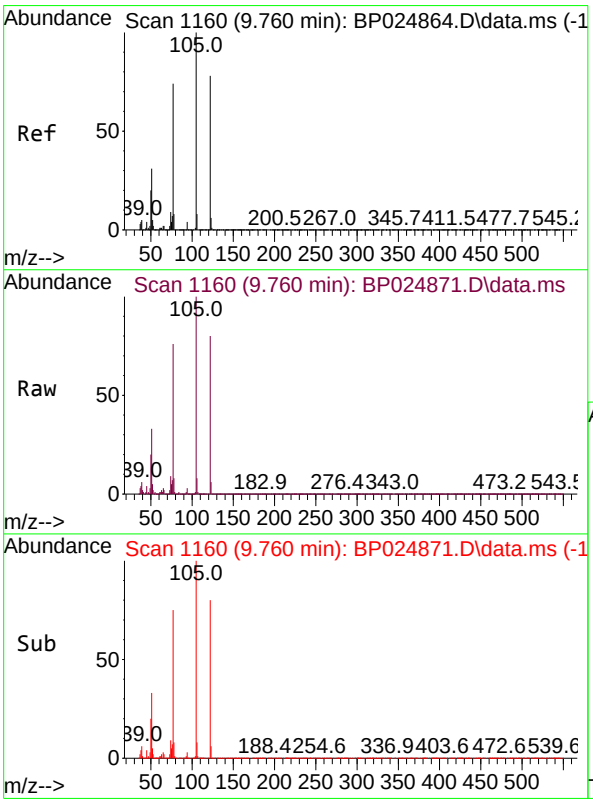
Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	13.3	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

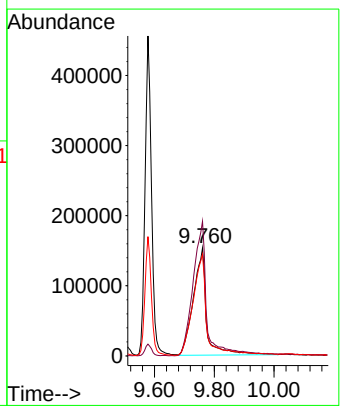
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

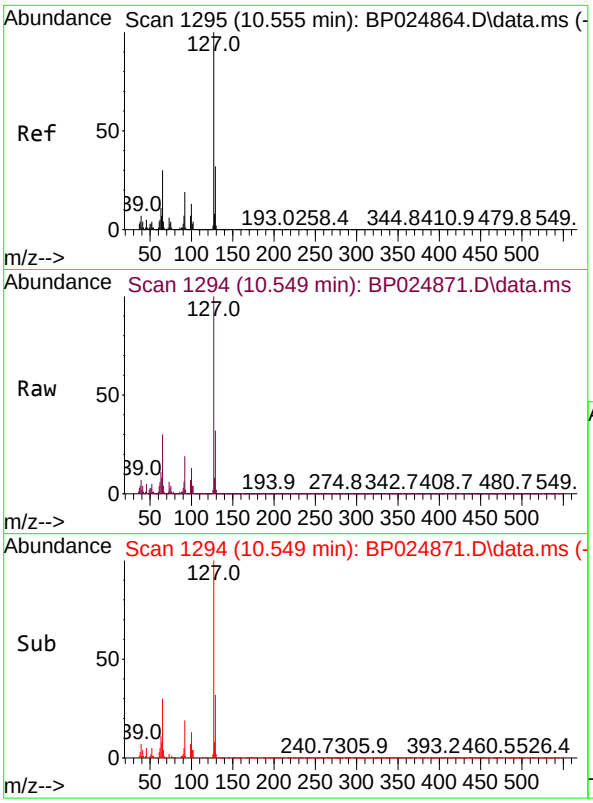


#32
Benzoic acid
Concen: 40.563 ng
RT: 9.760 min Scan# 1160
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:122 Resp: 472238

Ion	Ratio	Lower	Upper
122	100		
105	124.7	107.1	147.1
77	94.3	75.1	115.1

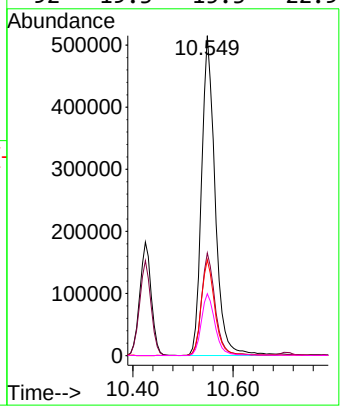




#33
4-Chloroaniline
Concen: 40.422 ng
RT: 10.549 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:127 Resp: 96847

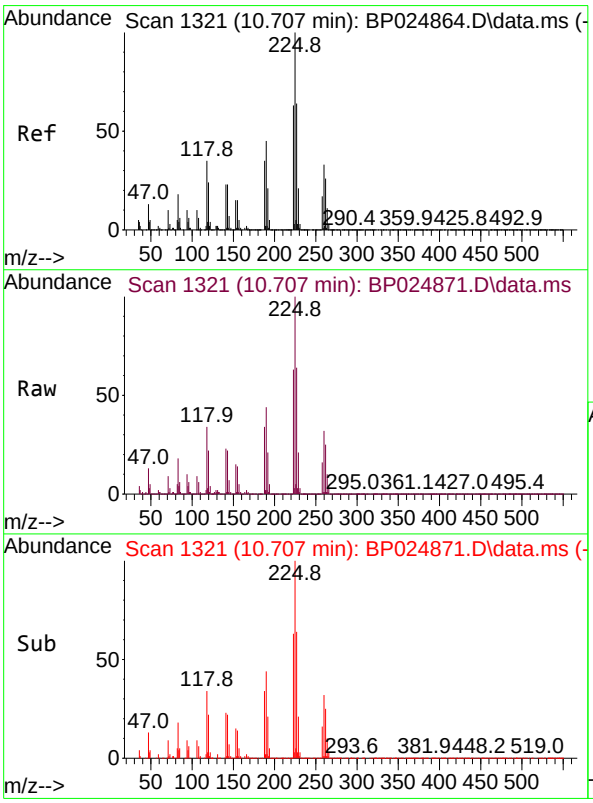
Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.9	38.9
65	29.9	23.9	35.9
92	19.3	15.3	22.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

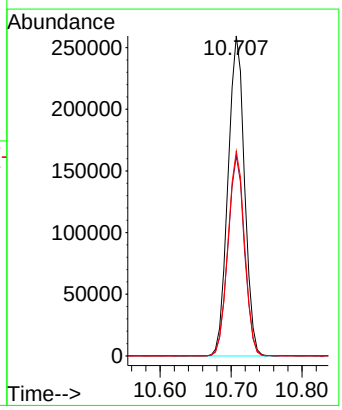
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

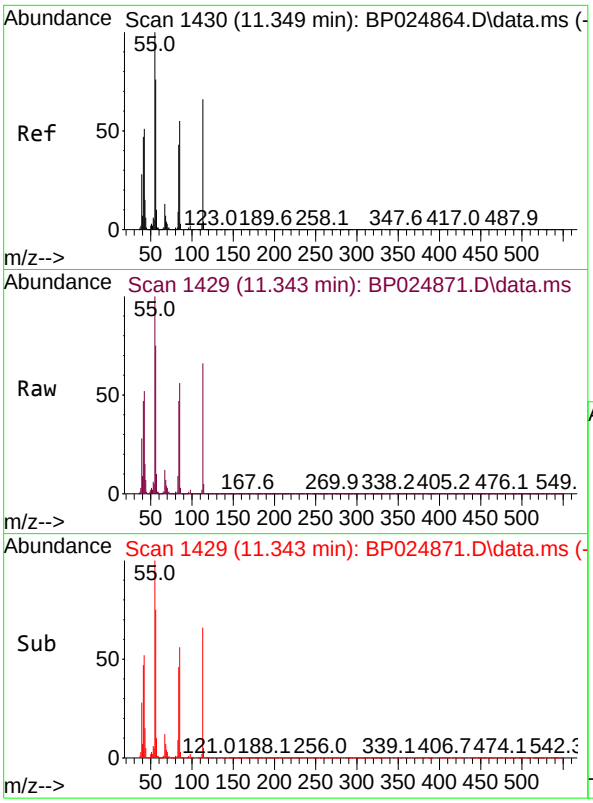


#34
Hexachlorobutadiene
Concen: 37.207 ng
RT: 10.707 min Scan# 1321
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:225 Resp: 418109

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.5	75.7
227	64.0	51.4	77.2





#35
Caprolactam
Concen: 41.048 ng
RT: 11.343 min Scan# 14
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

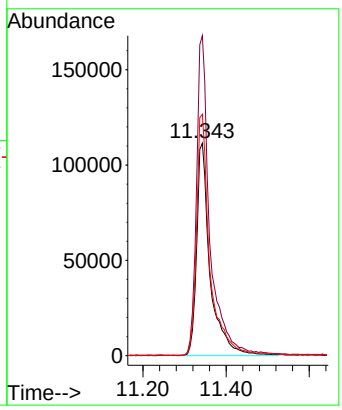
Tgt Ion:113 Resp: 24977

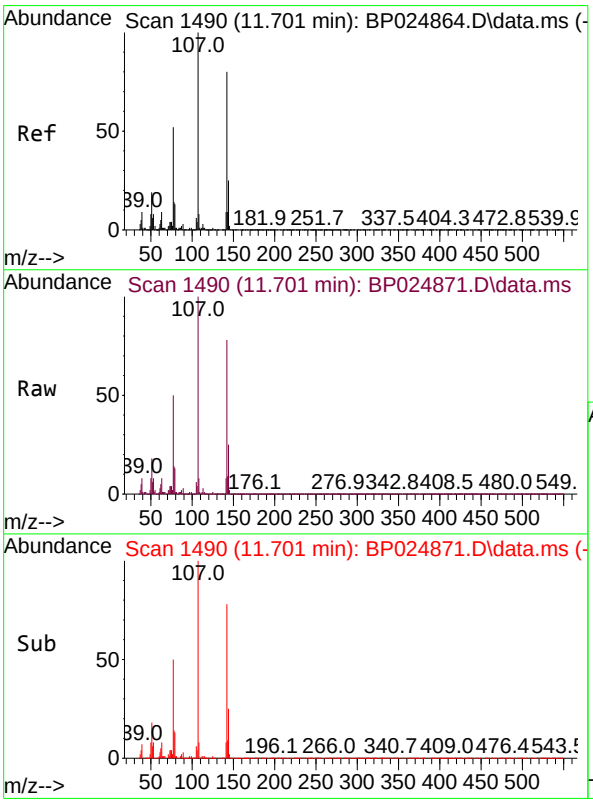
Ion	Ratio	Lower	Upper
113	100		
55	150.7	132.5	172.5
56	113.6	96.0	136.0

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

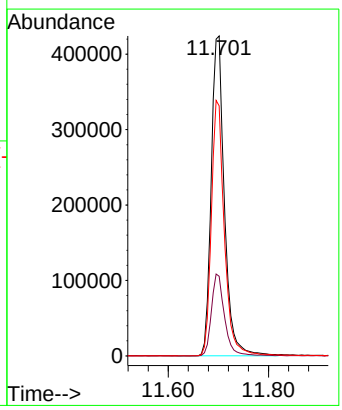


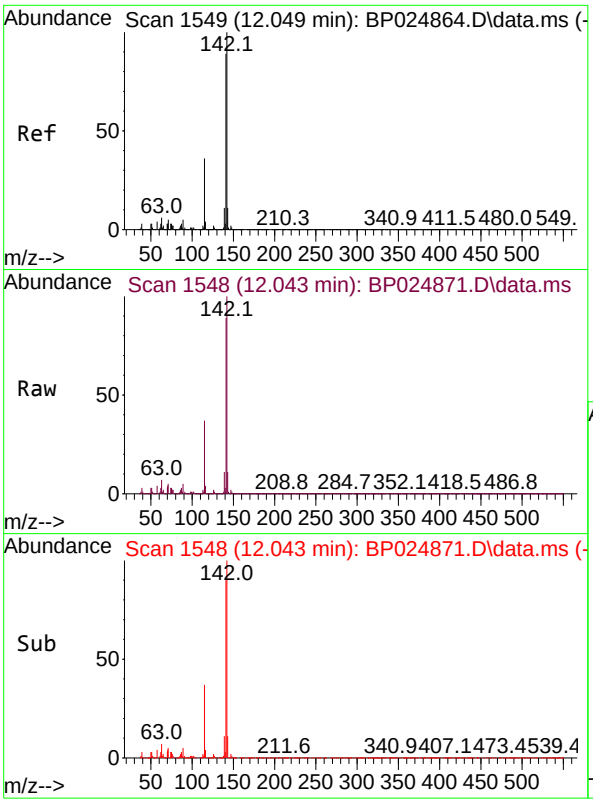


#36
4-Chloro-3-methylphenol
Concen: 40.629 ng
RT: 11.701 min Scan# 1490
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:107 Resp: 774660

Ion	Ratio	Lower	Upper
107	100		
144	24.9	20.4	30.6
142	78.1	63.8	95.6

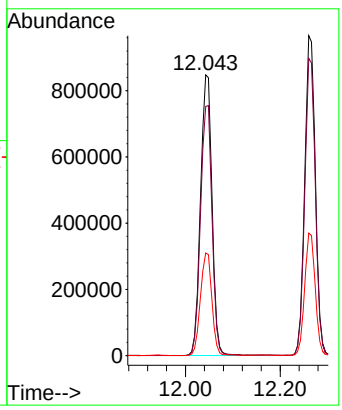




#37
2-Methylnaphthalene
Concen: 39.479 ng
RT: 12.043 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:142 Resp: 143213

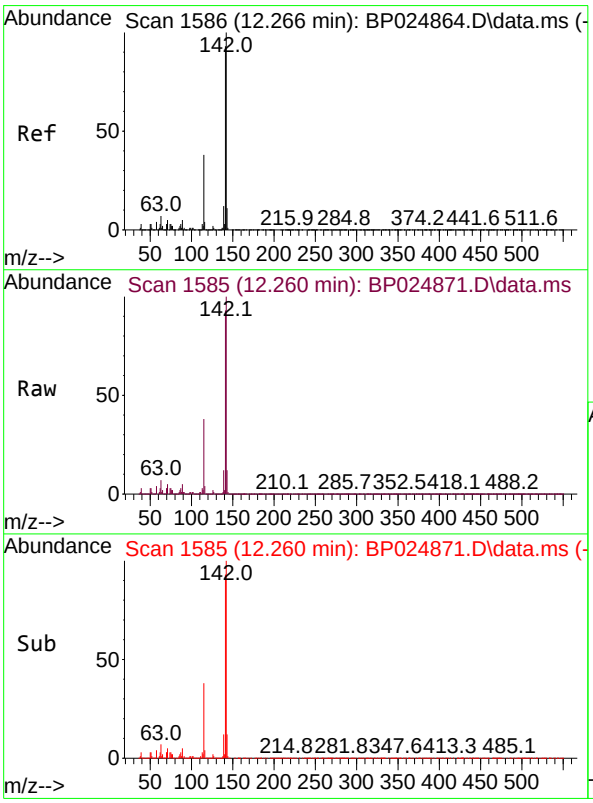
Ion	Ratio	Lower	Upper
142	100		
141	88.8	71.2	106.8
115	36.5	28.5	42.7



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

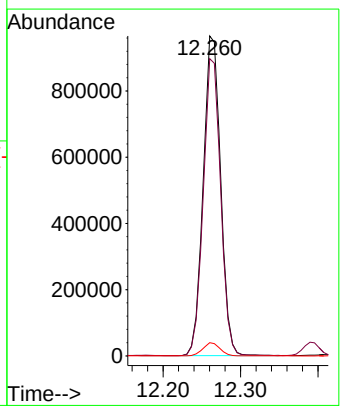
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

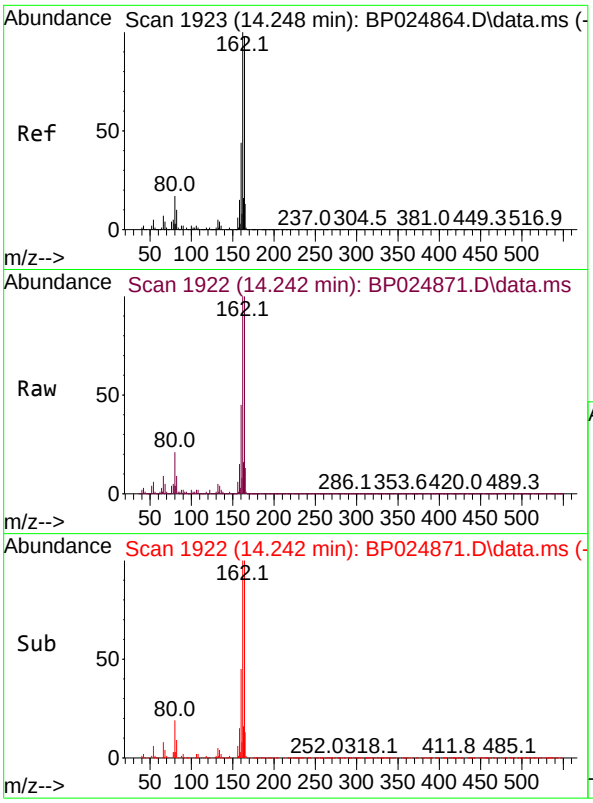


#38
1-Methylnaphthalene
Concen: 38.845 ng
RT: 12.260 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:142 Resp: 1506506

Ion	Ratio	Lower	Upper
142	100		
141	92.9	74.7	112.1
116	4.1	3.4	5.0

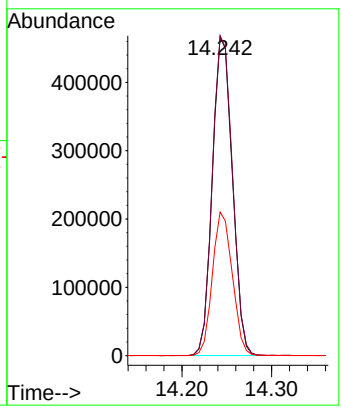




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.242 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:164 Resp: 72208

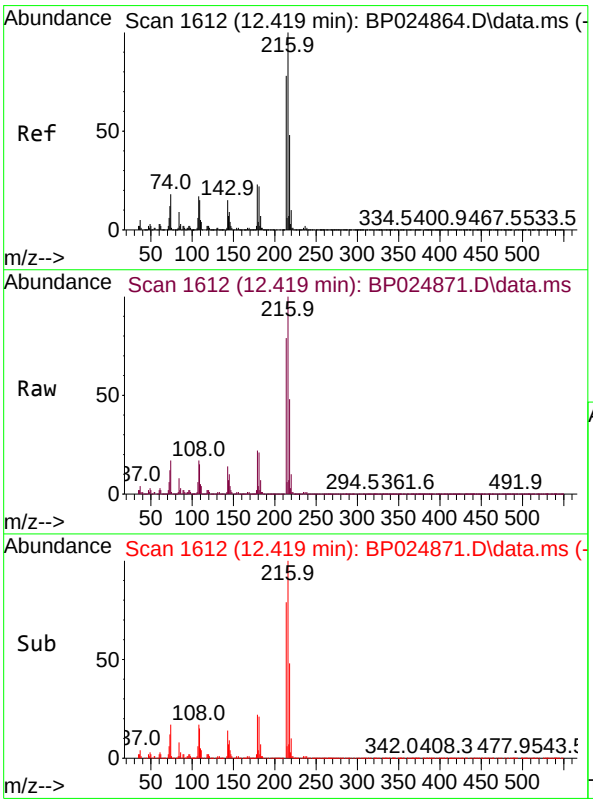
Ion	Ratio	Lower	Upper
164	100		
162	100.4	81.6	122.4
160	45.1	36.2	54.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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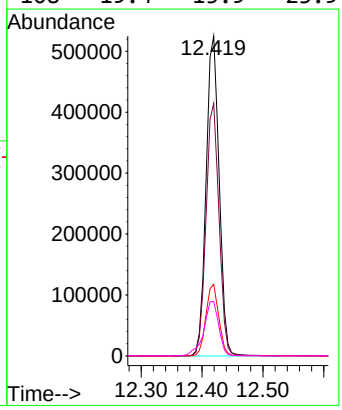
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

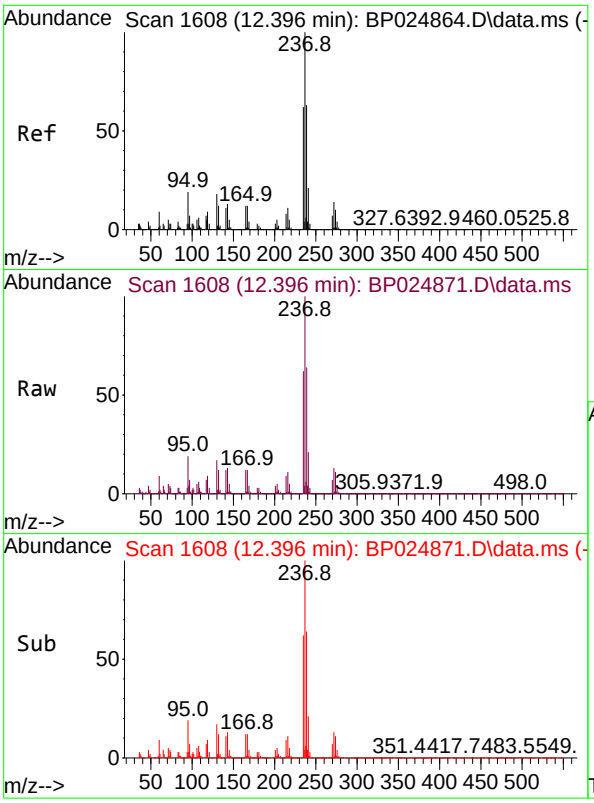


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.146 ng
RT: 12.419 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:216 Resp: 781589

Ion	Ratio	Lower	Upper
216	100		
214	78.5	63.0	94.4
179	22.1	17.8	26.6
108	19.4	15.9	23.9

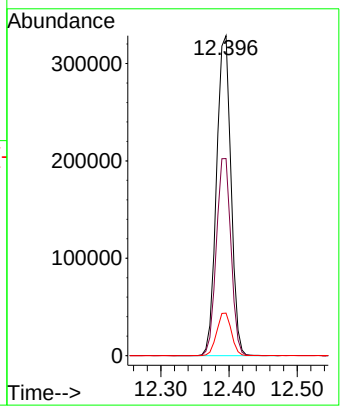




#41
Hexachlorocyclopentadiene
Concen: 38.332 ng
RT: 12.396 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:237 Resp: 47905

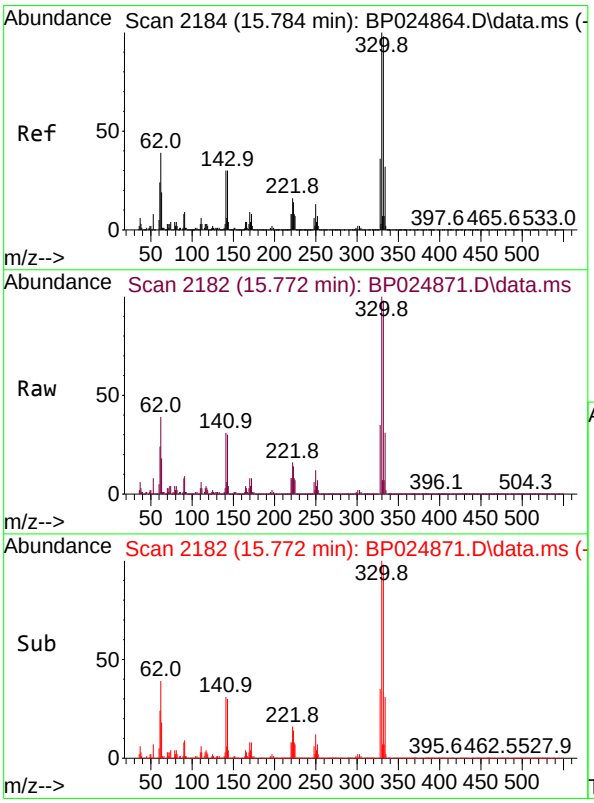
Ion	Ratio	Lower	Upper
237	100		
235	61.6	41.9	81.9
272	13.3	0.0	33.7



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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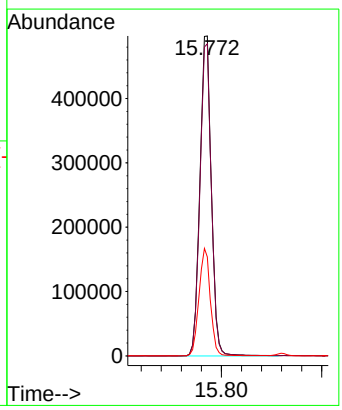
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

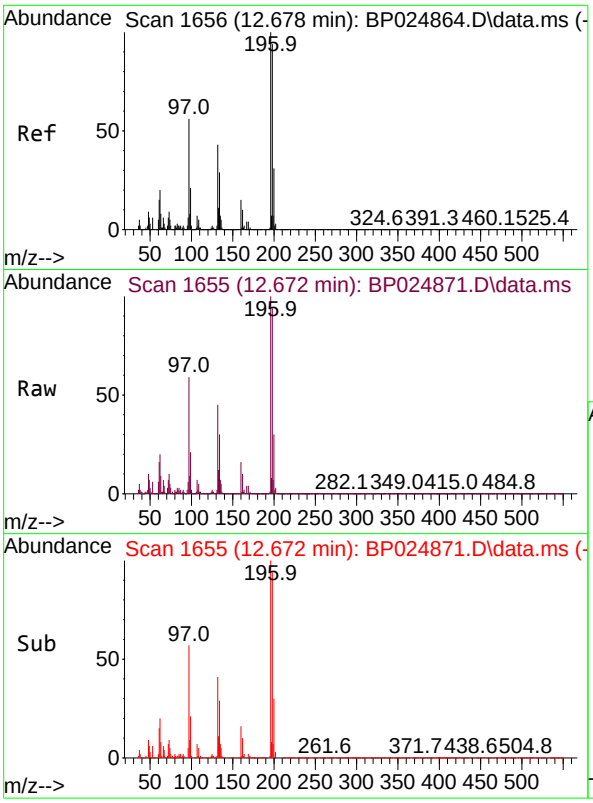


#42
2,4,6-Tribromophenol
Concen: 78.869 ng
RT: 15.772 min Scan# 2182
Delta R.T. -0.012 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:330 Resp: 787365

Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.7	116.5
141	33.4	26.4	39.6

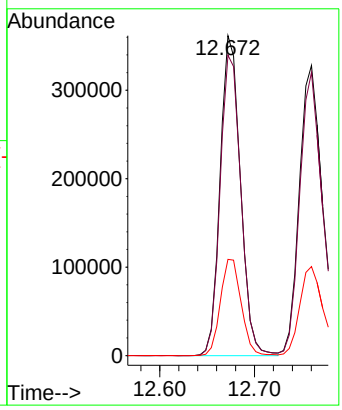




#43
2,4,6-Trichlorophenol
Concen: 39.103 ng
RT: 12.672 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:196 Resp: 53806

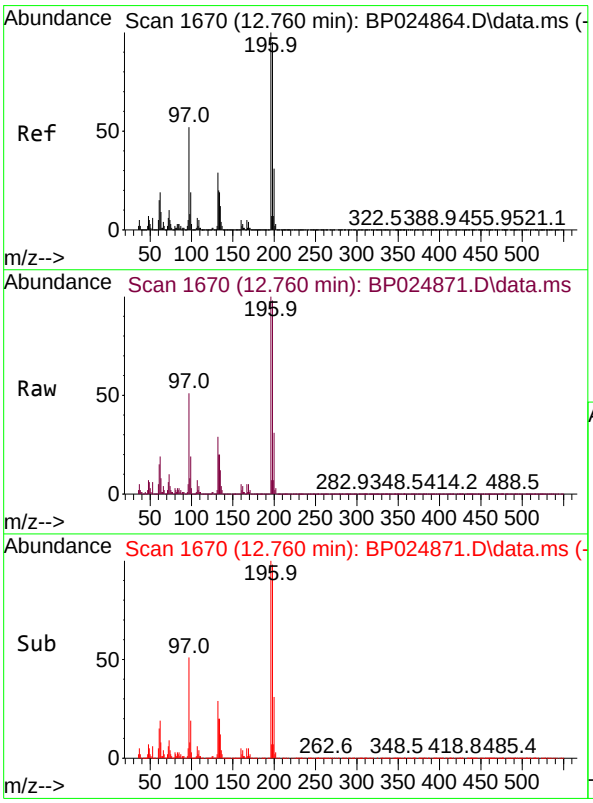
Ion	Ratio	Lower	Upper
196	100		
198	93.9	75.4	113.0
200	30.1	24.4	36.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

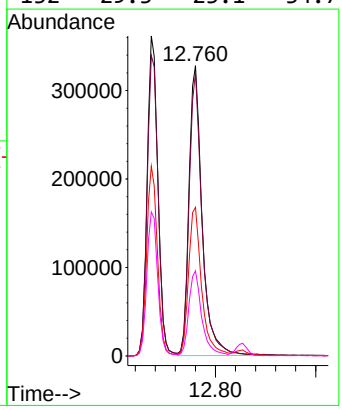
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

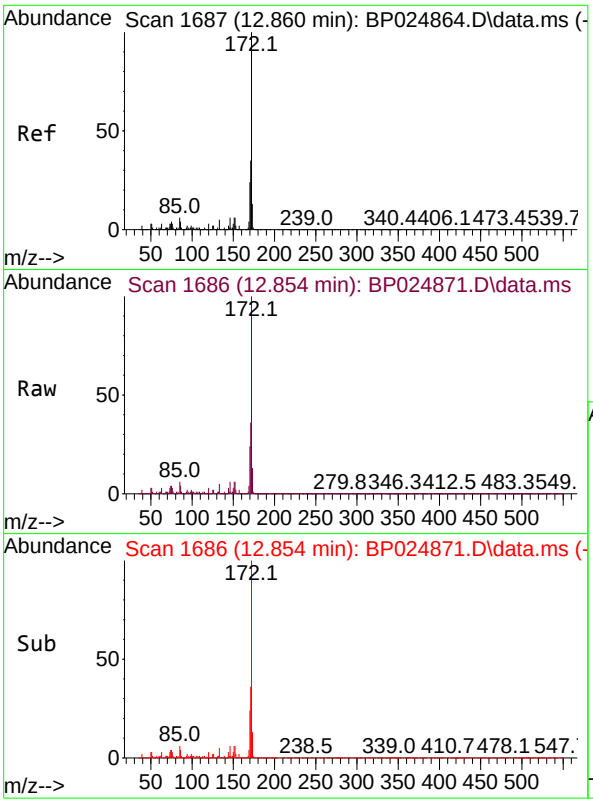


#44
2,4,5-Trichlorophenol
Concen: 40.784 ng
RT: 12.760 min Scan# 1670
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:196 Resp: 600998

Ion	Ratio	Lower	Upper
196	100		
198	97.6	76.0	114.0
97	51.2	41.5	62.3
132	29.3	23.1	34.7

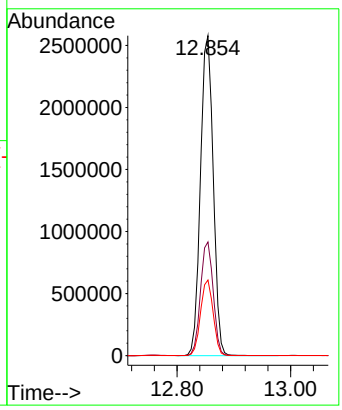




#45
2-Fluorobiphenyl
Concen: 75.092 ng
RT: 12.854 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:172 Resp: 402507

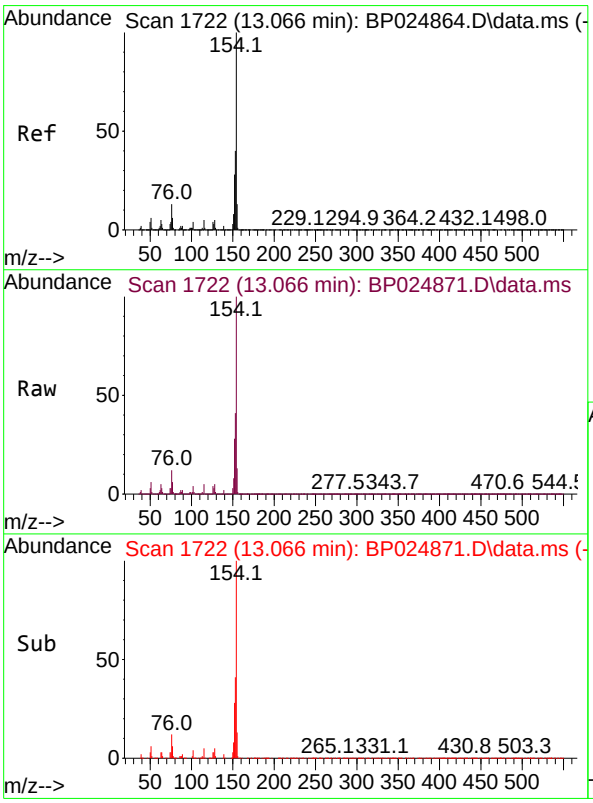
Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.3	42.5
170	23.6	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

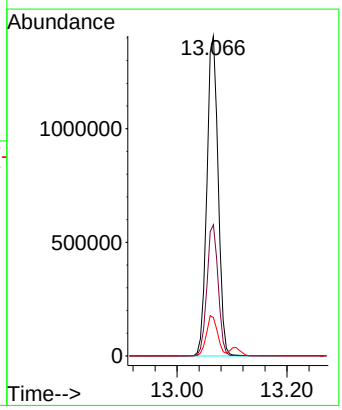
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

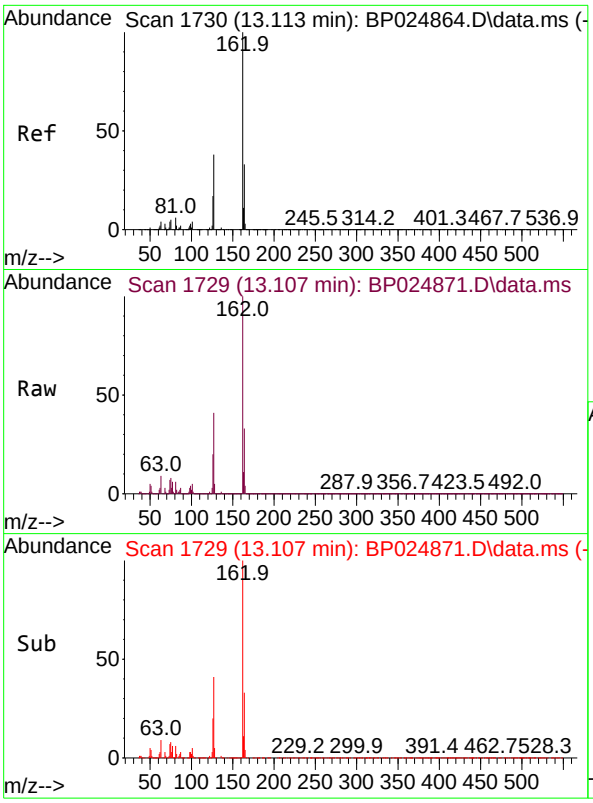


#46
1,1'-Biphenyl
Concen: 38.014 ng
RT: 13.066 min Scan# 1722
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:154 Resp: 1994835

Ion	Ratio	Lower	Upper
154	100		
153	41.0	20.3	60.3
76	12.0	0.0	33.0

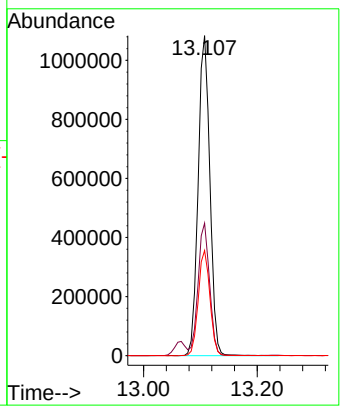




#47
2-Chloronaphthalene
Concen: 38.278 ng
RT: 13.107 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:162 Resp: 154380

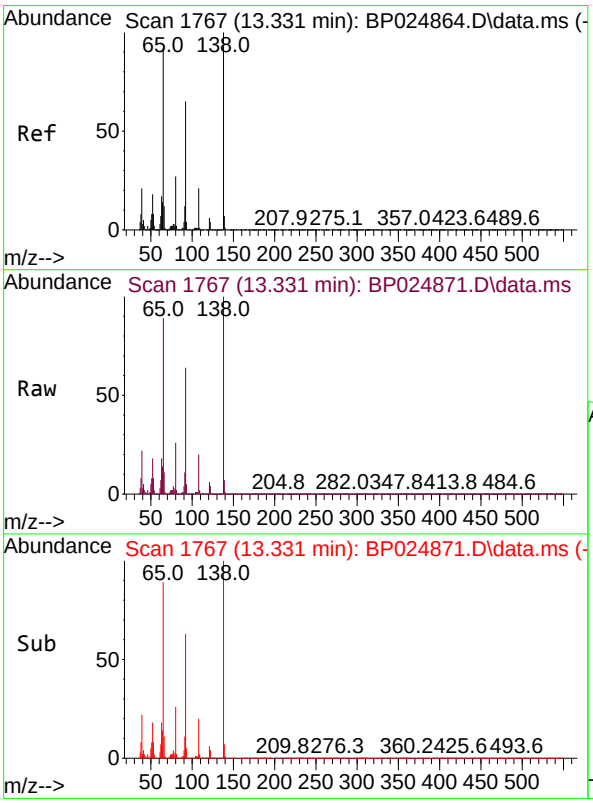
Ion	Ratio	Lower	Upper
162	100		
127	41.4	32.5	48.7
164	32.8	26.2	39.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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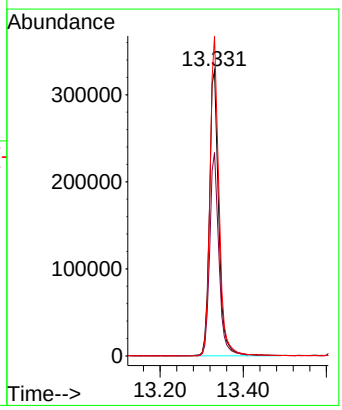
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

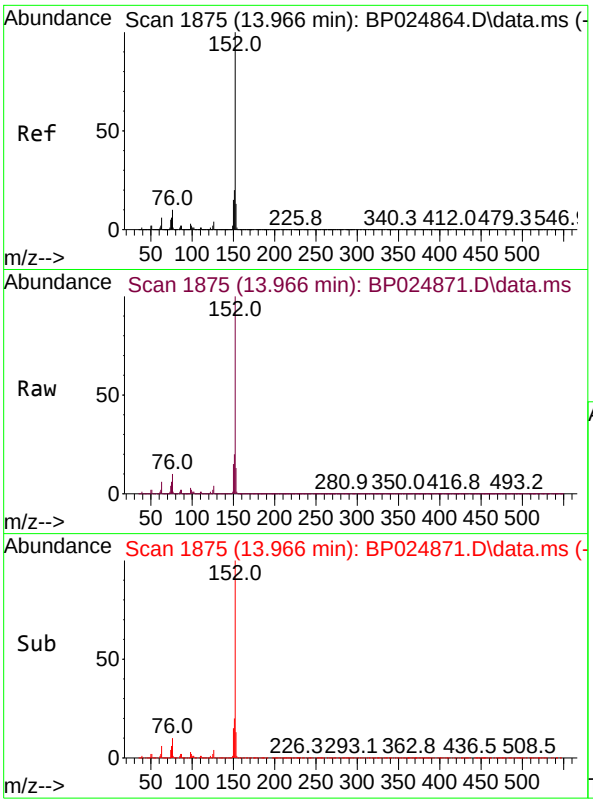


#48
2-Nitroaniline
Concen: 40.825 ng
RT: 13.331 min Scan# 1767
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion: 65 Resp: 506207

Ion	Ratio	Lower	Upper
65	100		
92	71.2	56.8	85.2
138	112.1	86.9	130.3

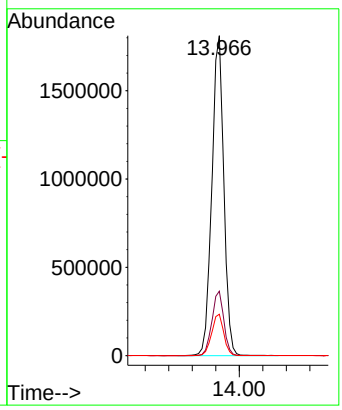




#49
Acenaphthylene
Concen: 38.013 ng
RT: 13.966 min Scan# 18
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:152 Resp: 255630

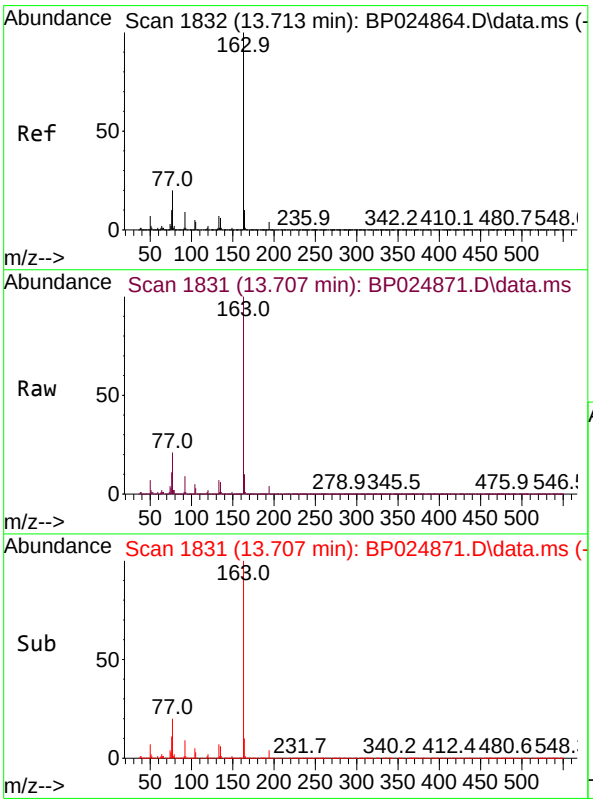
Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2
153	12.9	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

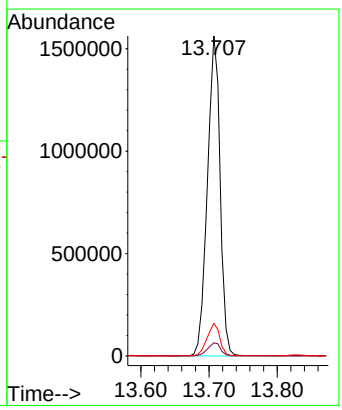
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

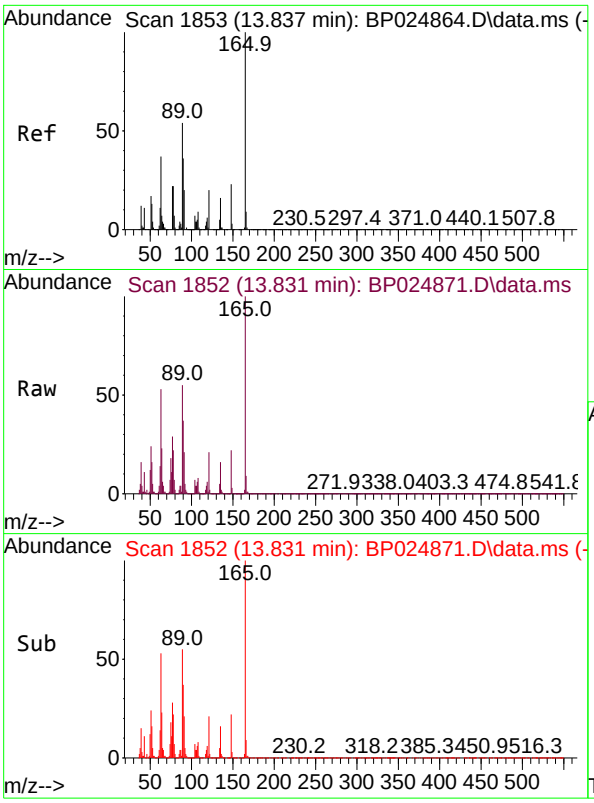


#50
Dimethylphthalate
Concen: 37.961 ng
RT: 13.707 min Scan# 1831
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:163 Resp: 2022085

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.1	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 38.784 ng
RT: 13.831 min Scan# 18
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

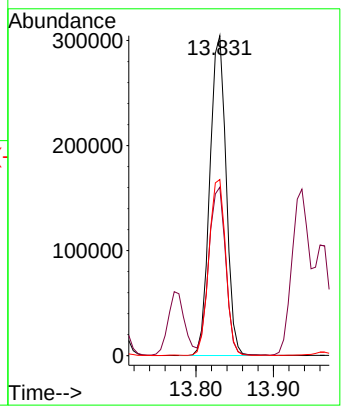
Tgt Ion:165 Resp: 445371

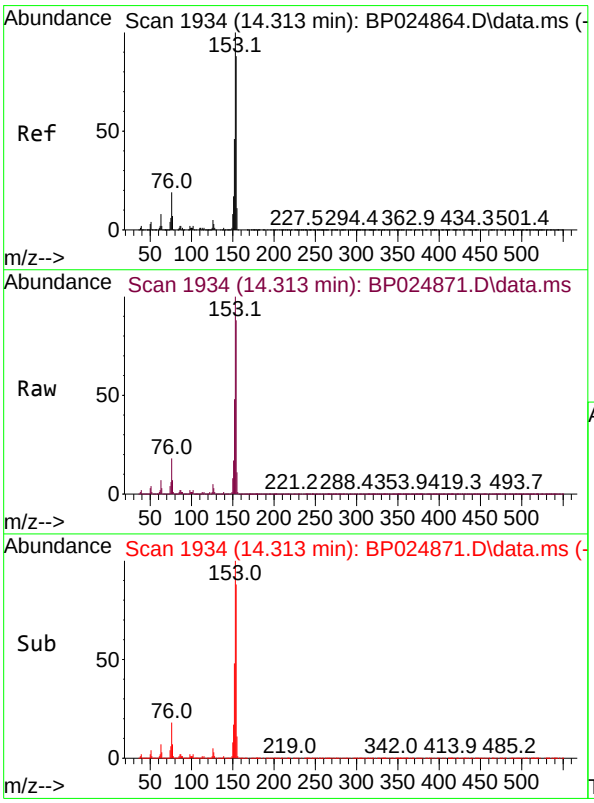
Ion	Ratio	Lower	Upper
165	100		
63	52.6	41.8	62.8
89	55.1	43.1	64.7

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

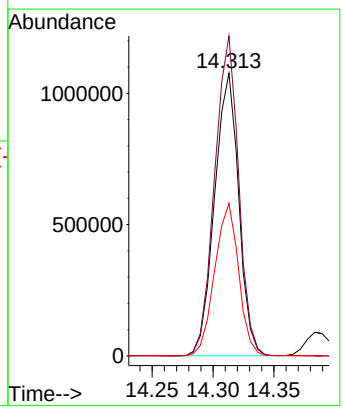


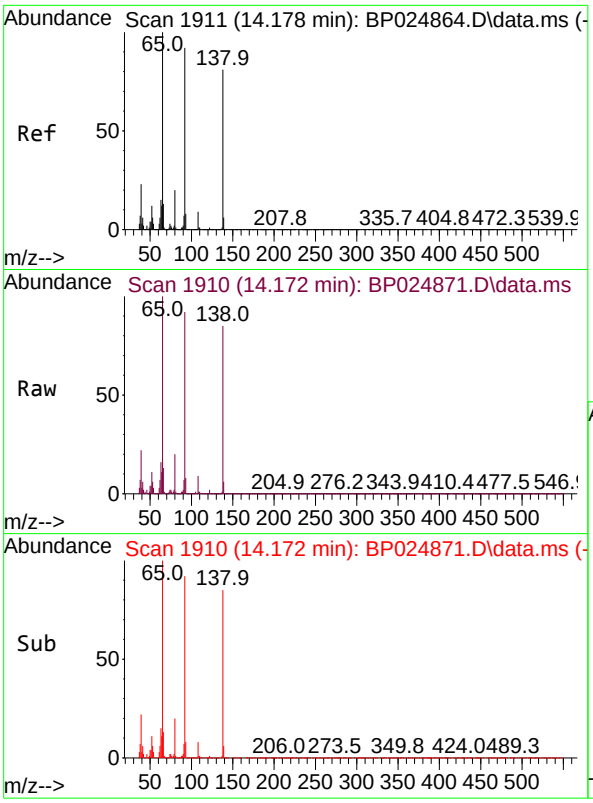


#52
Acenaphthene
Concen: 38.548 ng
RT: 14.313 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:154 Resp: 1485445

Ion	Ratio	Lower	Upper
154	100		
153	113.2	90.5	135.7
152	54.0	42.1	63.1





#53
3-Nitroaniline
Concen: 41.514 ng
RT: 14.172 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

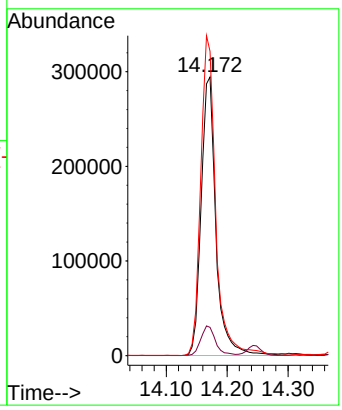
Tgt Ion:138 Resp: 494719

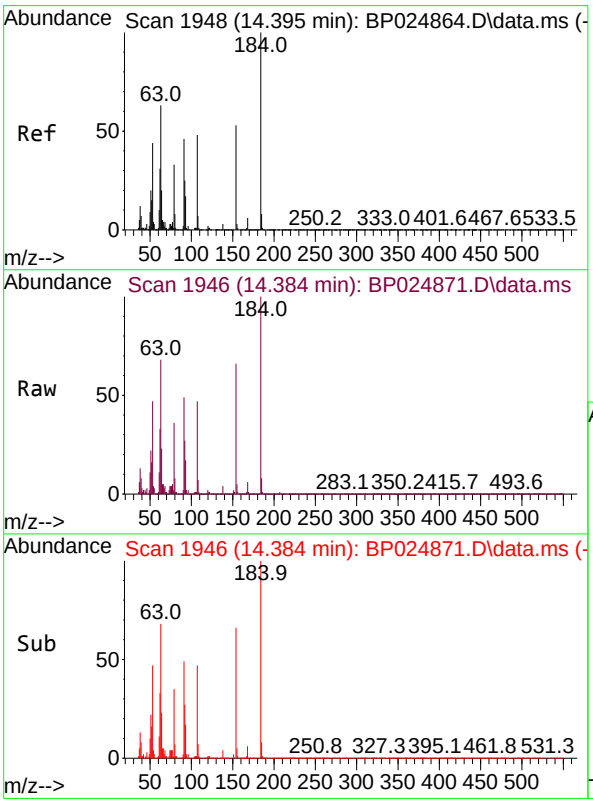
Ion	Ratio	Lower	Upper
138	100		
108	10.1	8.6	12.8
92	109.2	91.3	136.9

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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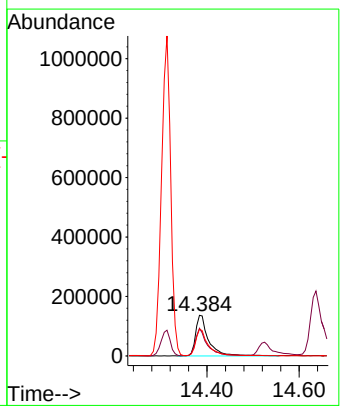


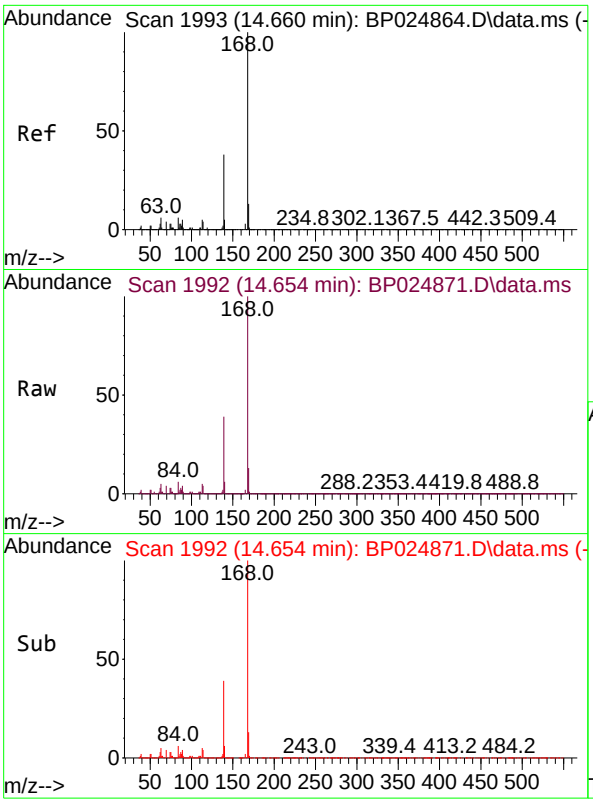


#54
2,4-Dinitrophenol
Concen: 38.223 ng
RT: 14.384 min Scan# 1946
Delta R.T. -0.011 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:184 Resp: 262463

Ion	Ratio	Lower	Upper
184	100		
63	68.2	51.0	76.4
154	65.8	51.7	77.5

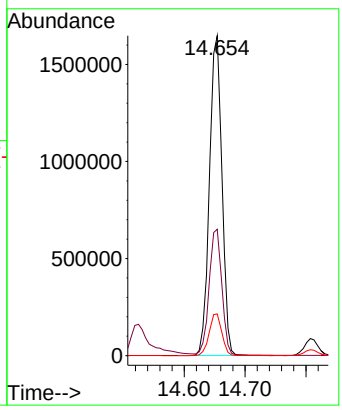




#55
Dibenzofuran
Concen: 38.059 ng
RT: 14.654 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:168 Resp: 235416

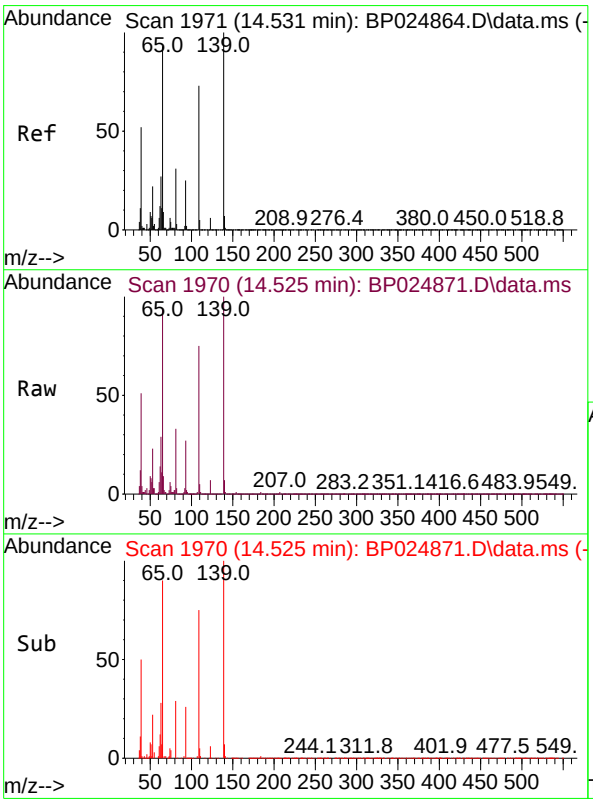
Ion	Ratio	Lower	Upper
168	100		
139	39.5	31.6	47.4
169	13.0	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

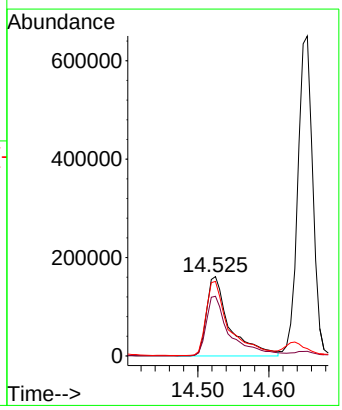
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

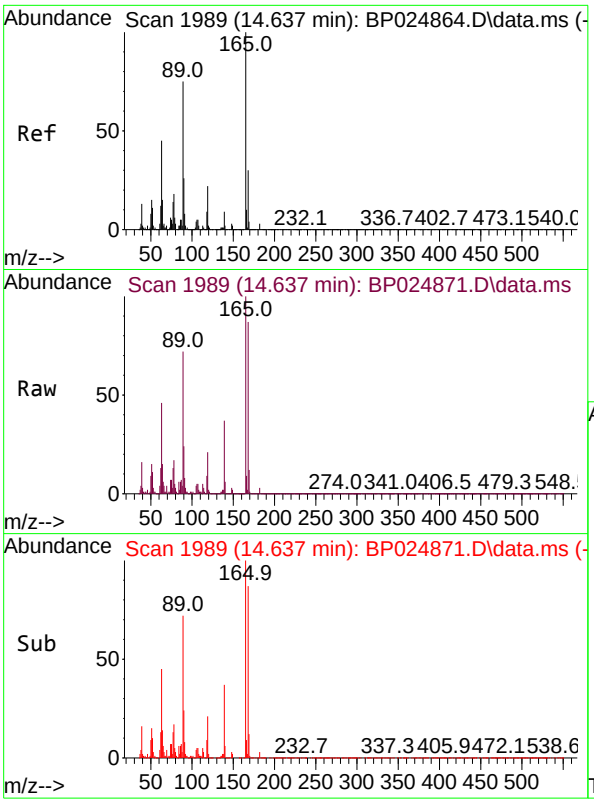


#56
4-Nitrophenol
Concen: 39.074 ng
RT: 14.525 min Scan# 1970
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:139 Resp: 364266

Ion	Ratio	Lower	Upper
139	100		
109	75.2	53.1	93.1
65	94.0	73.0	113.0

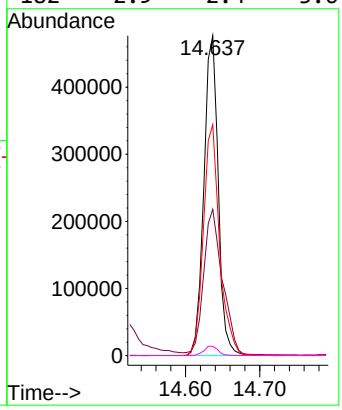




#57
2,4-Dinitrotoluene
Concen: 39.866 ng
RT: 14.637 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:165 Resp: 640380

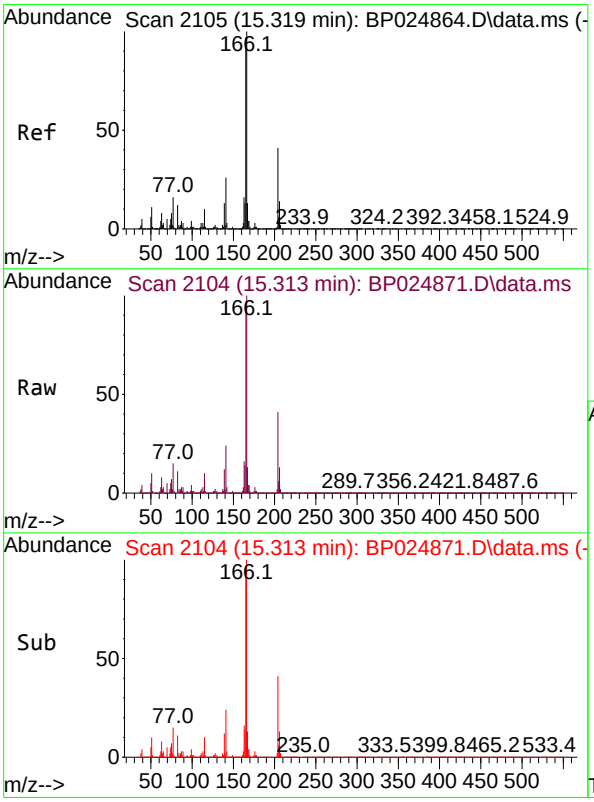
Ion	Ratio	Lower	Upper
165	100		
63	45.7	37.0	55.6
89	72.2	60.1	90.1
182	2.9	2.4	3.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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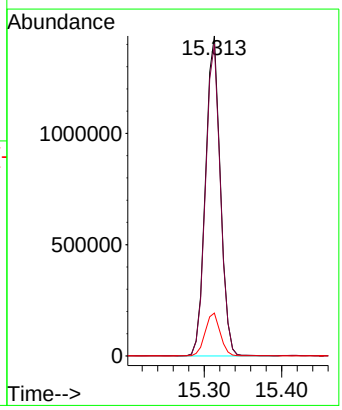
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

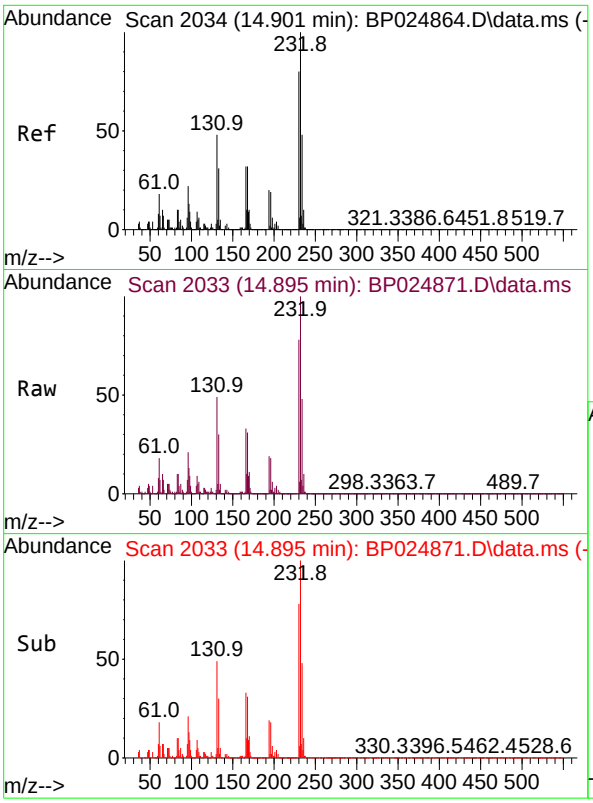


#58
Fluorene
Concen: 38.310 ng
RT: 15.313 min Scan# 2104
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:166 Resp: 1914326

Ion	Ratio	Lower	Upper
166	100		
165	97.5	77.7	116.5
167	13.4	10.6	16.0

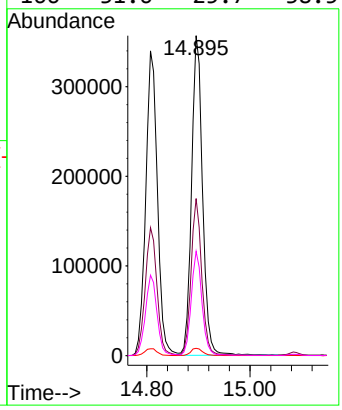




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.904 ng
RT: 14.895 min Scan# 20
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

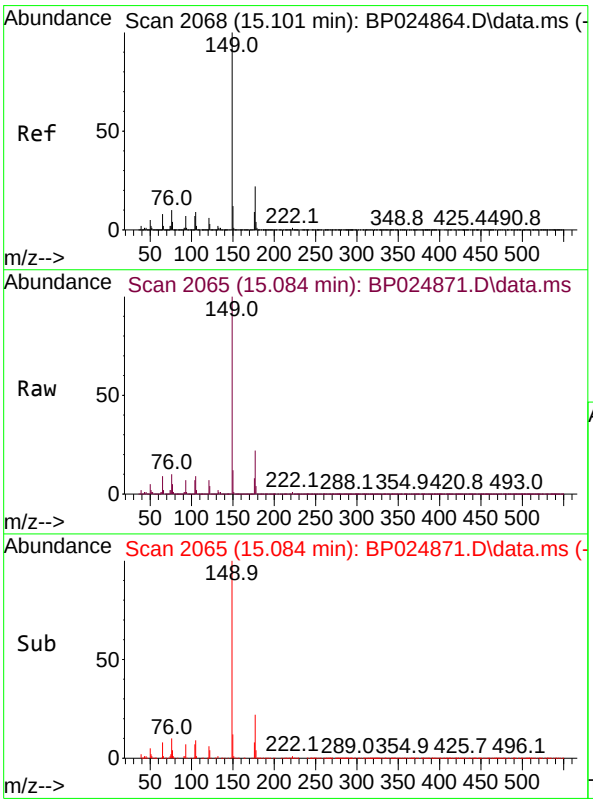
Tgt Ion:232 Resp: 525400

Ion	Ratio	Lower	Upper
232	100		
131	47.4	38.2	57.2
130	2.5	2.1	3.1
166	31.6	25.7	38.5



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

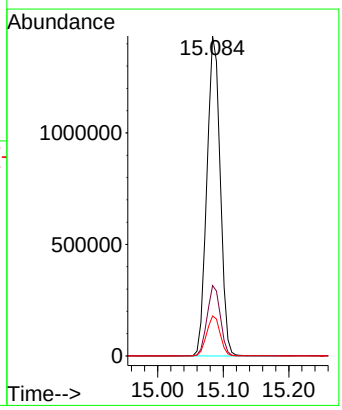
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Supervised By :Jagrut Upadhyay 06/10/2025

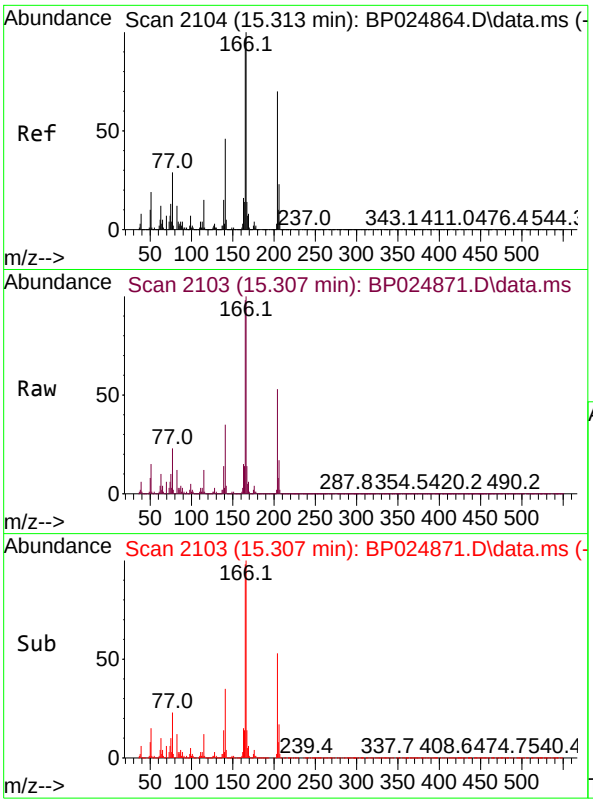


#60
Diethylphthalate
Concen: 37.963 ng
RT: 15.084 min Scan# 2065
Delta R.T. -0.018 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:149 Resp: 2015313

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.9	26.9
150	12.5	9.8	14.6

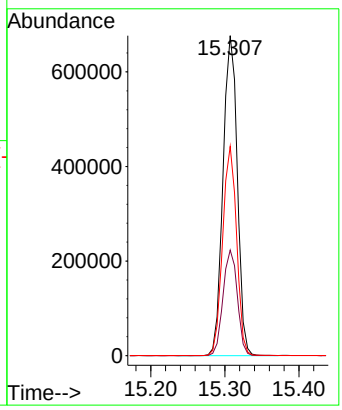




#61
4-Chlorophenyl-phenylether
Concen: 37.065 ng
RT: 15.307 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

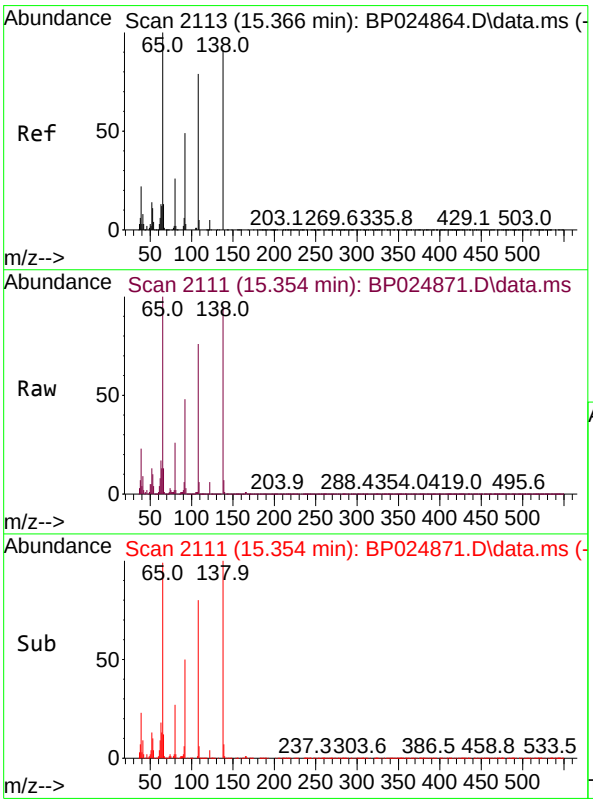
Tgt Ion:204 Resp: 90558

Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.6	40.0
141	65.4	52.4	78.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

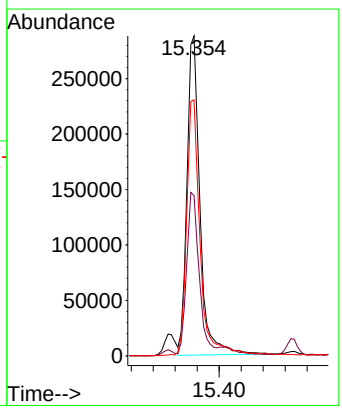
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

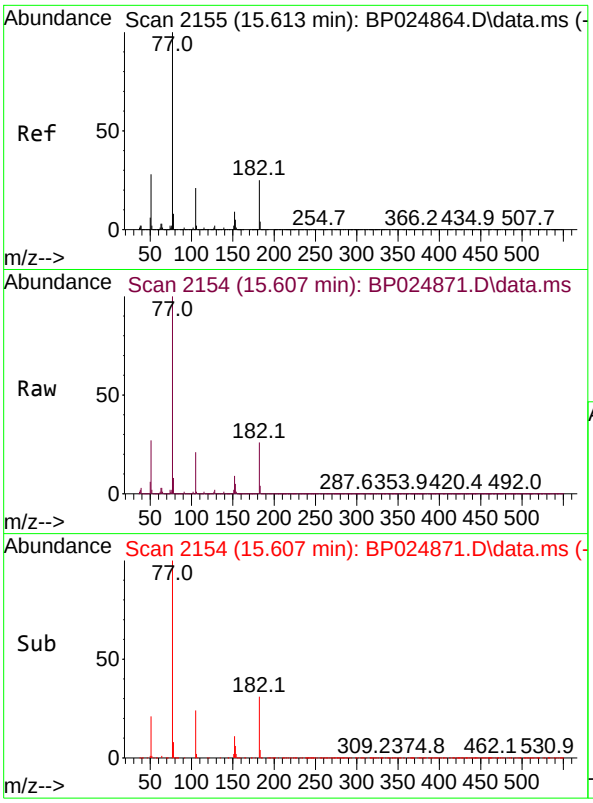


#62
4-Nitroaniline
Concen: 43.719 ng
RT: 15.354 min Scan# 2111
Delta R.T. -0.012 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:138 Resp: 472390

Ion	Ratio	Lower	Upper
138	100		
92	50.1	33.5	73.5
108	80.0	65.1	105.1





#63
Azobenzene
Concen: 38.692 ng
RT: 15.607 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

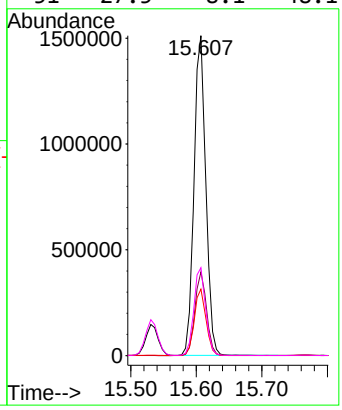
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

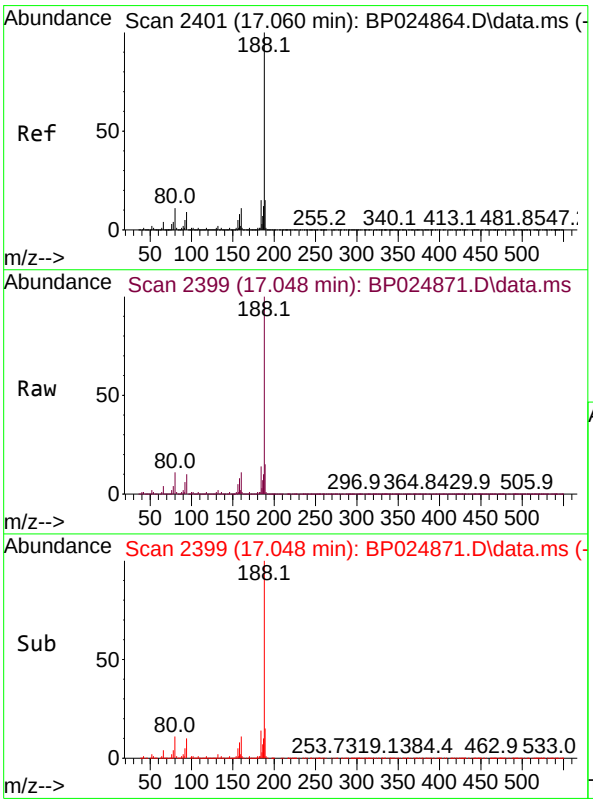
Tgt Ion: 77 Resp: 188382

Ion	Ratio	Lower	Upper
77	100		
182	26.1	5.4	45.4
105	20.8	0.8	40.8
51	27.5	8.1	48.1

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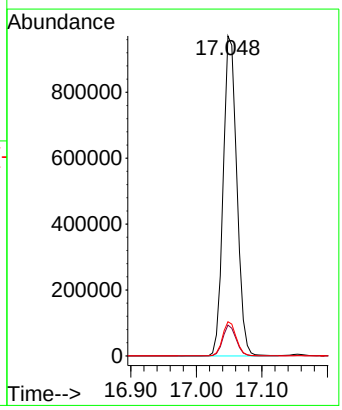


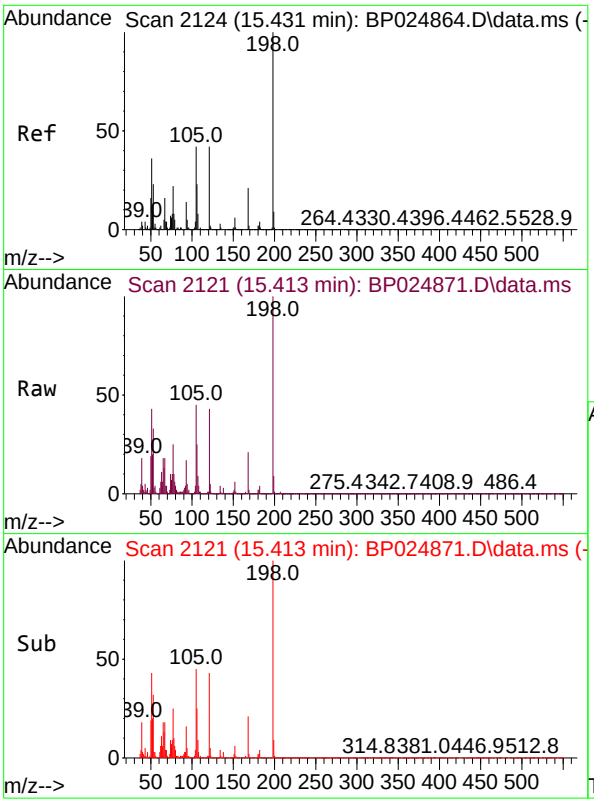


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.048 min Scan# 2399
Delta R.T. -0.012 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:188 Resp: 1406327

Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.3	10.9
80	10.7	8.5	12.7





#65
4,6-Dinitro-2-methylphenol
Concen: 39.815 ng
RT: 15.413 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

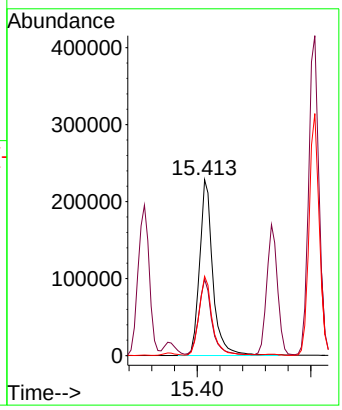
Tgt Ion:198 Resp: 36792

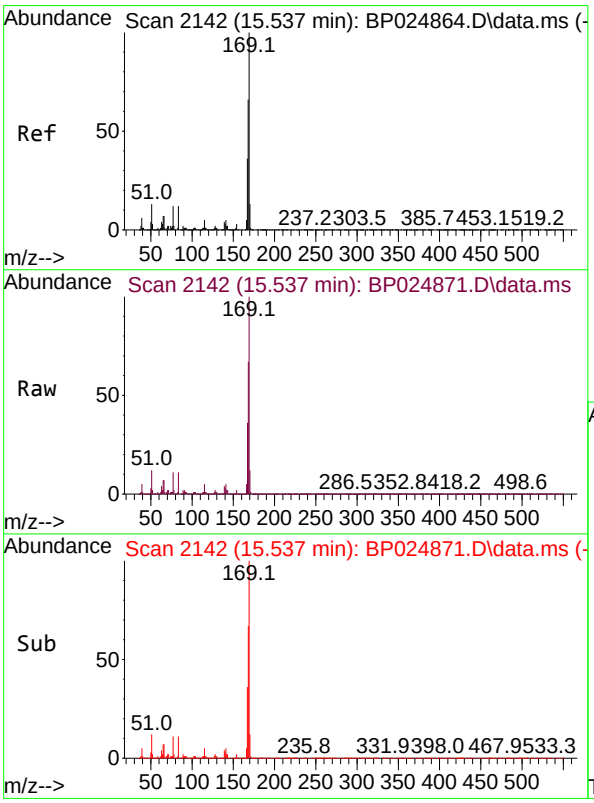
Ion	Ratio	Lower	Upper
198	100		
51	43.4	19.2	59.2
105	45.1	22.6	62.6

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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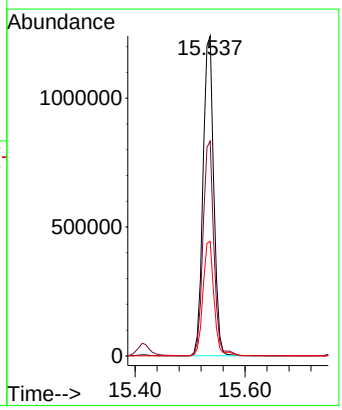


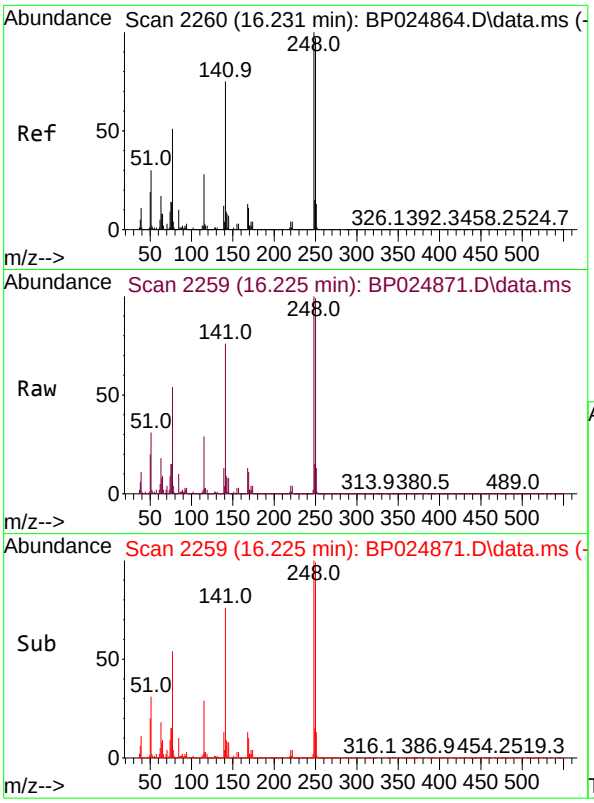


#66
n-Nitrosodiphenylamine
Concen: 38.436 ng
RT: 15.537 min Scan# 2142
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:169 Resp: 1675390

Ion	Ratio	Lower	Upper
169	100		
168	67.1	53.0	79.6
167	35.8	28.6	43.0

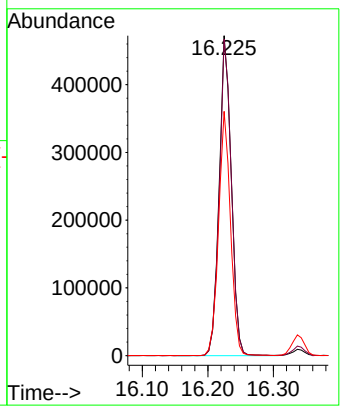




#67
4-Bromophenyl-phenylether
Concen: 38.242 ng
RT: 16.225 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:248 Resp: 60681

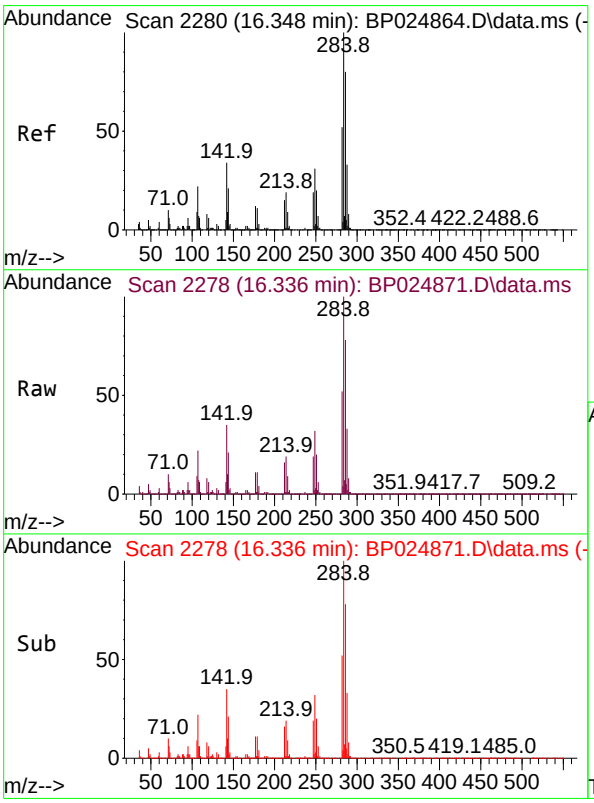
Ion	Ratio	Lower	Upper
248	100		
250	98.9	77.4	116.2
141	76.3	59.9	89.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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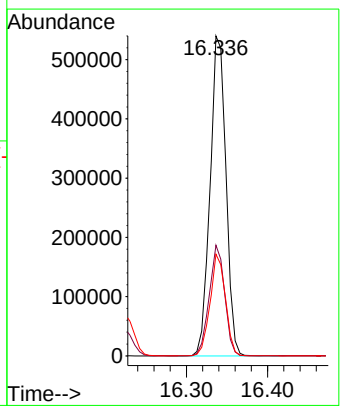
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

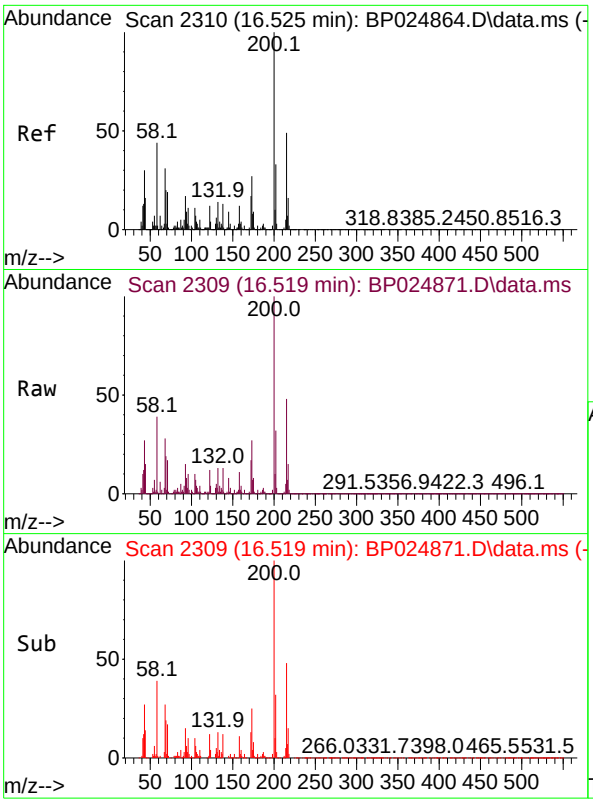


#68
Hexachlorobenzene
Concen: 38.199 ng
RT: 16.336 min Scan# 2278
Delta R.T. -0.012 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:284 Resp: 734824

Ion	Ratio	Lower	Upper
284	100		
142	34.6	27.0	40.6
249	31.8	25.0	37.6

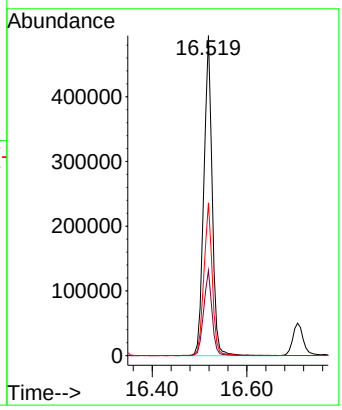




#69
Atrazine
Concen: 38.113 ng
RT: 16.519 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:200 Resp: 60225

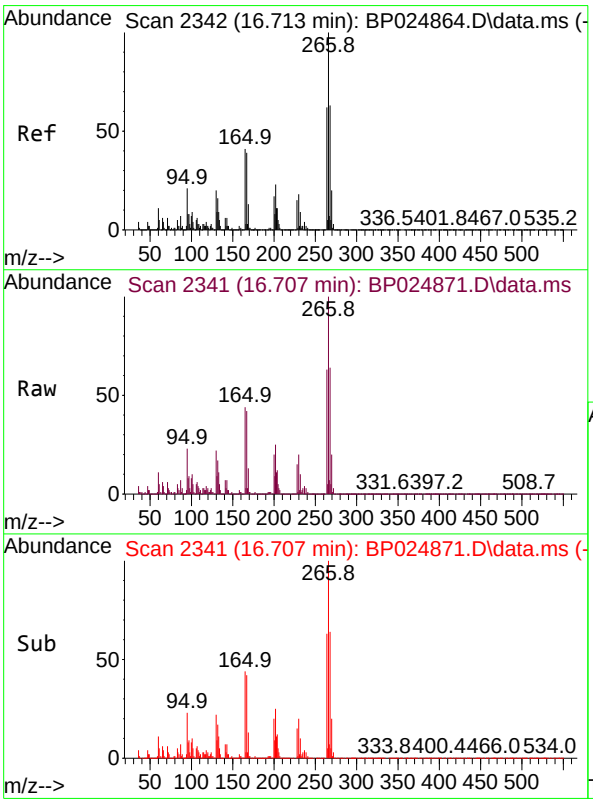
Ion	Ratio	Lower	Upper
200	100		
173	26.6	6.9	46.9
215	47.7	28.7	68.7



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

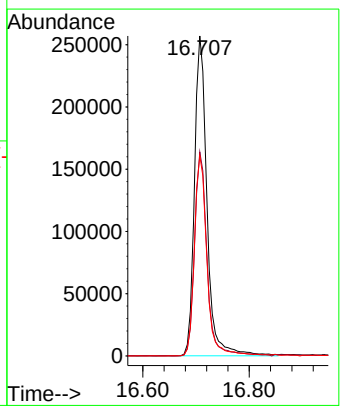
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

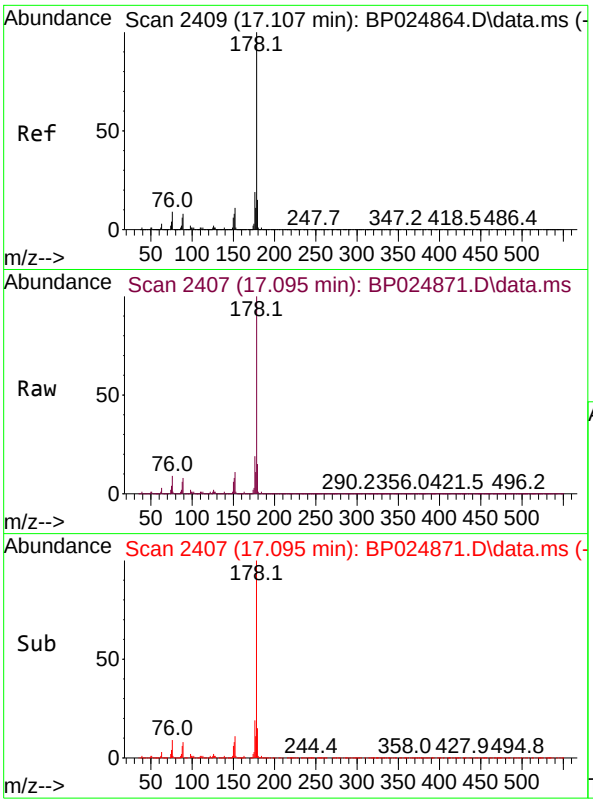


#70
Pentachlorophenol
Concen: 42.241 ng
RT: 16.707 min Scan# 2341
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:266 Resp: 420547

Ion	Ratio	Lower	Upper
266	100		
268	63.7	50.6	76.0
264	62.6	49.7	74.5

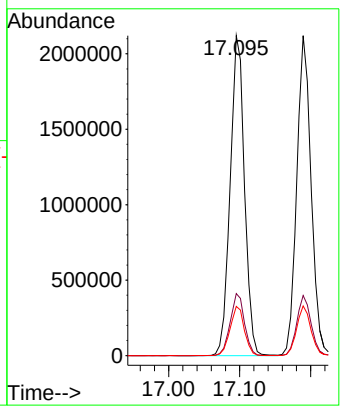




#71
Phenanthrene
Concen: 38.207 ng
RT: 17.095 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:178 Resp: 296926

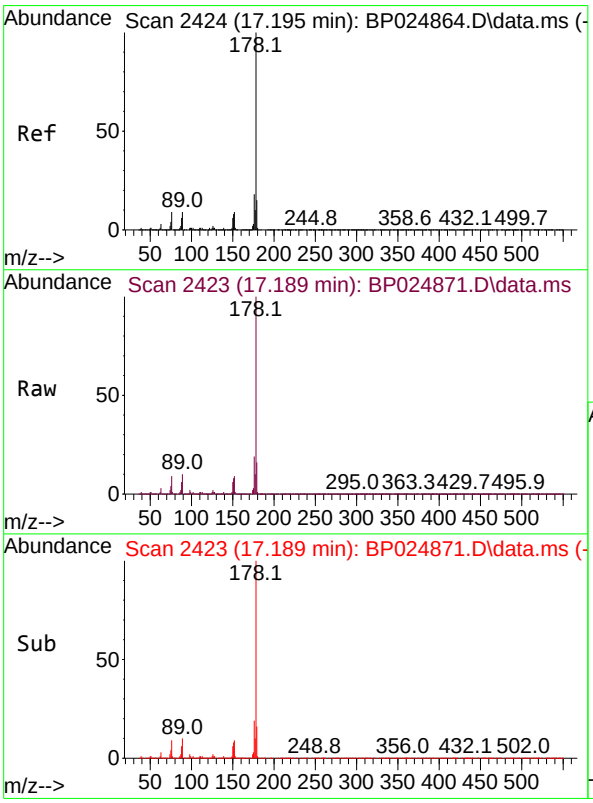
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	15.4	12.1	18.1



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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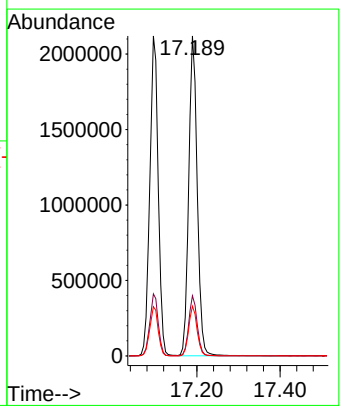
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

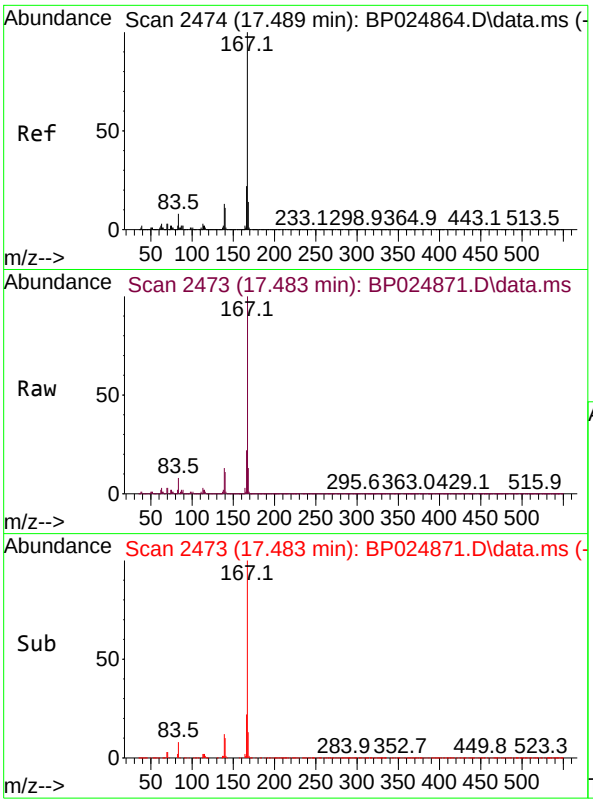


#72
Anthracene
Concen: 38.143 ng
RT: 17.189 min Scan# 2423
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:178 Resp: 3002181

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.7	22.1
179	15.5	12.3	18.5

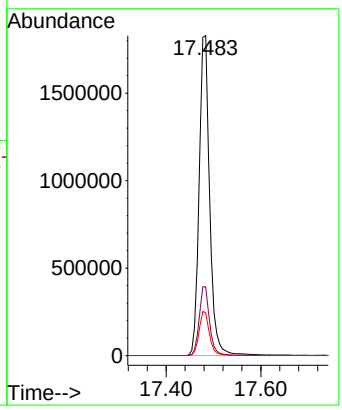




#73
Carbazole
Concen: 38.742 ng
RT: 17.483 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:167 Resp: 282640

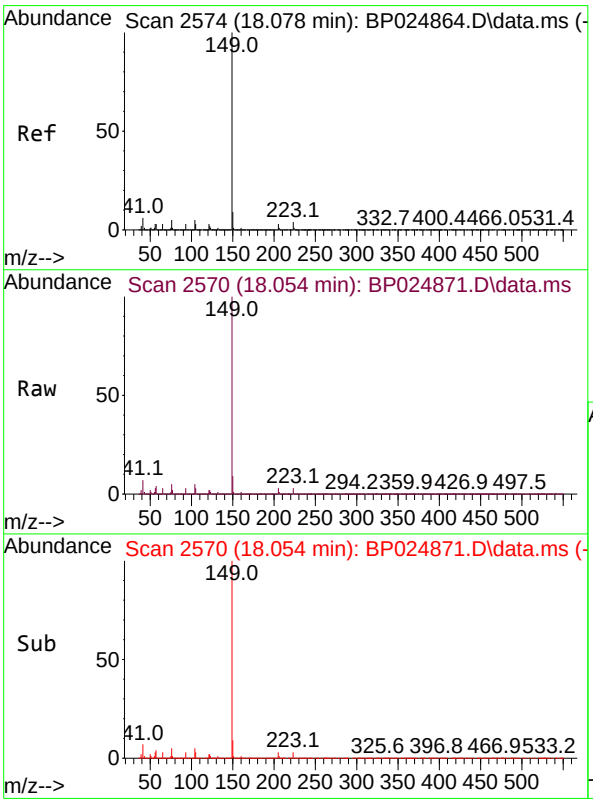
Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.3	25.9
139	13.4	10.8	16.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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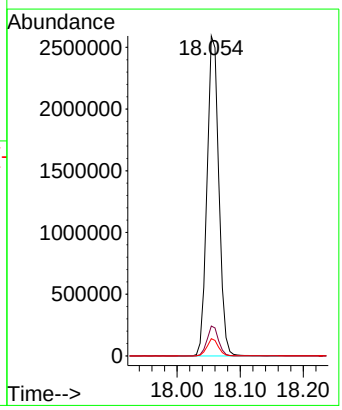
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

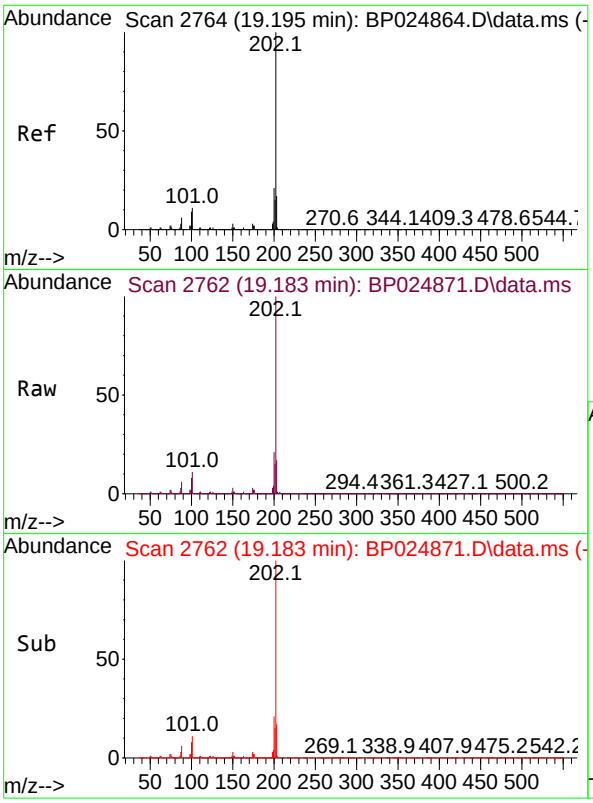


#74
Di-n-butylphthalate
Concen: 37.195 ng
RT: 18.054 min Scan# 2570
Delta R.T. -0.024 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:149 Resp: 3362066

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.4	4.2	6.2

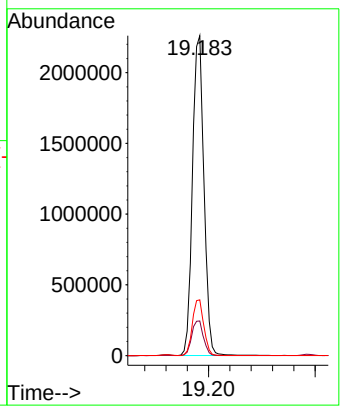




#75
Fluoranthene
Concen: 37.471 ng
RT: 19.183 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:202 Resp: 337526

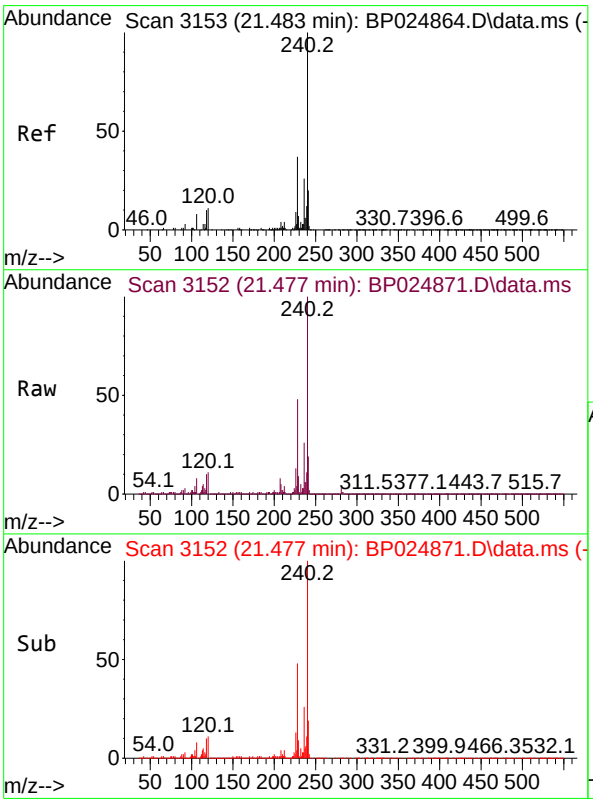
Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	31.4
203	17.4	0.0	37.5



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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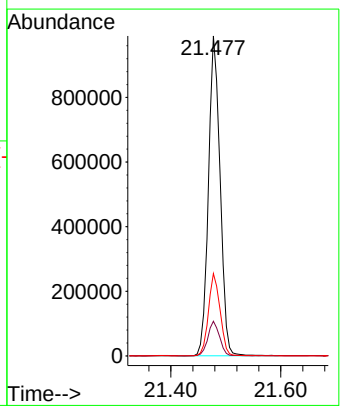
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

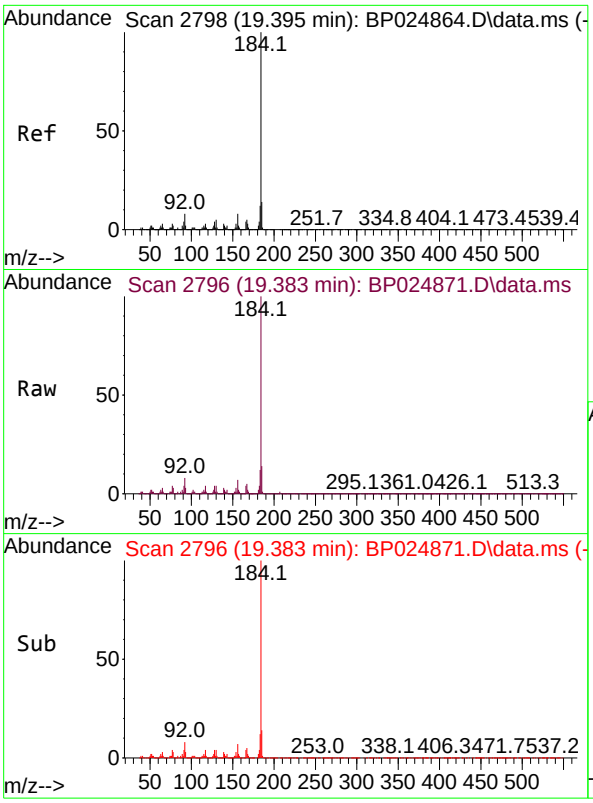


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.477 min Scan# 3152
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:240 Resp: 1456984

Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.9	13.3
236	25.7	20.9	31.3

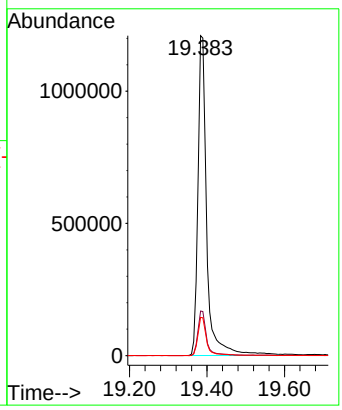




#77
Benzidine
Concen: 42.452 ng
RT: 19.383 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:184 Resp: 191562

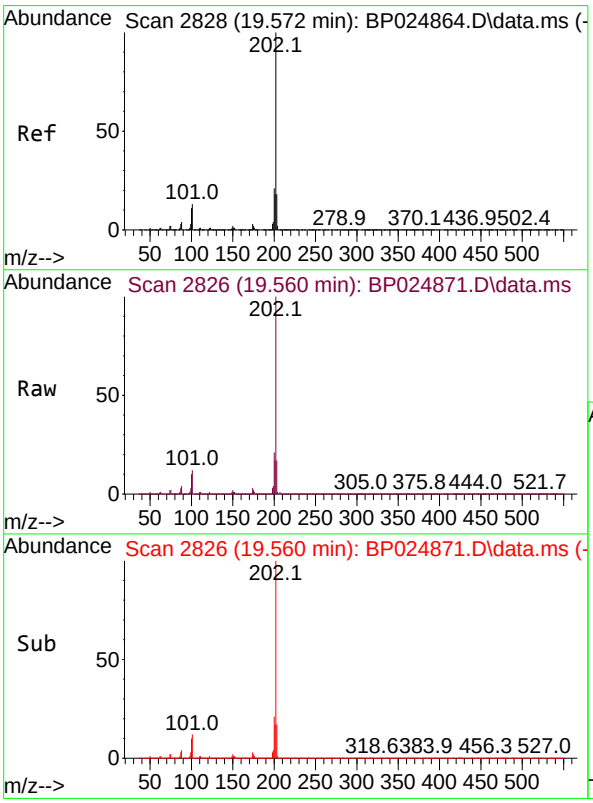
Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.4	17.0
183	11.9	9.5	14.3



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

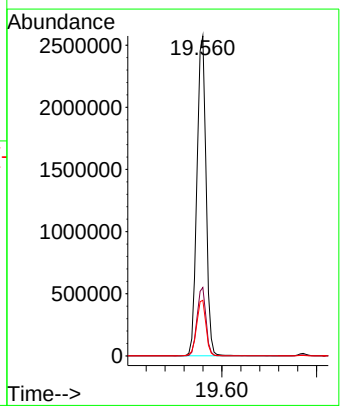
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

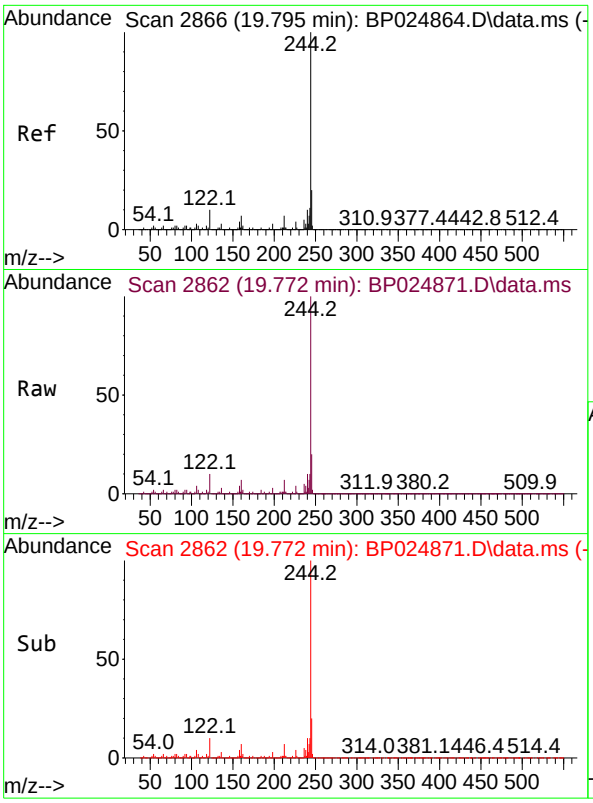


#78
Pyrene
Concen: 37.827 ng
RT: 19.560 min Scan# 2826
Delta R.T. -0.012 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:202 Resp: 3443152

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.1	25.7
203	17.4	14.0	21.0





#79
Terphenyl-d14
Concen: 74.981 ng
RT: 19.772 min Scan# 2
Delta R.T. -0.024 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

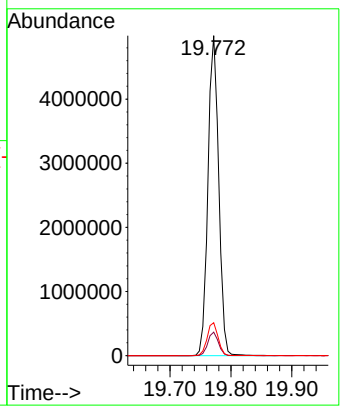
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

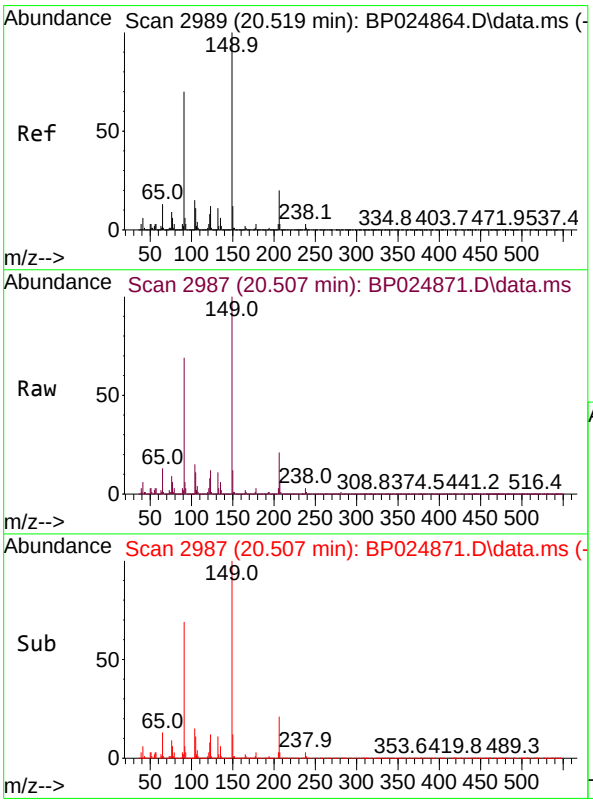
Tgt Ion:244 Resp: 609544

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.6	8.4
122	10.3	7.7	11.5

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Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

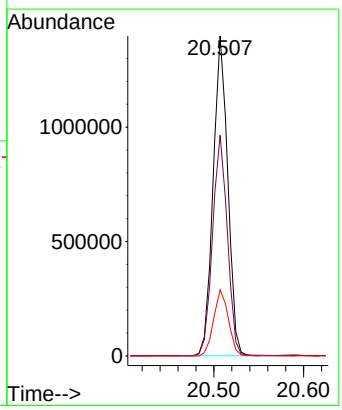


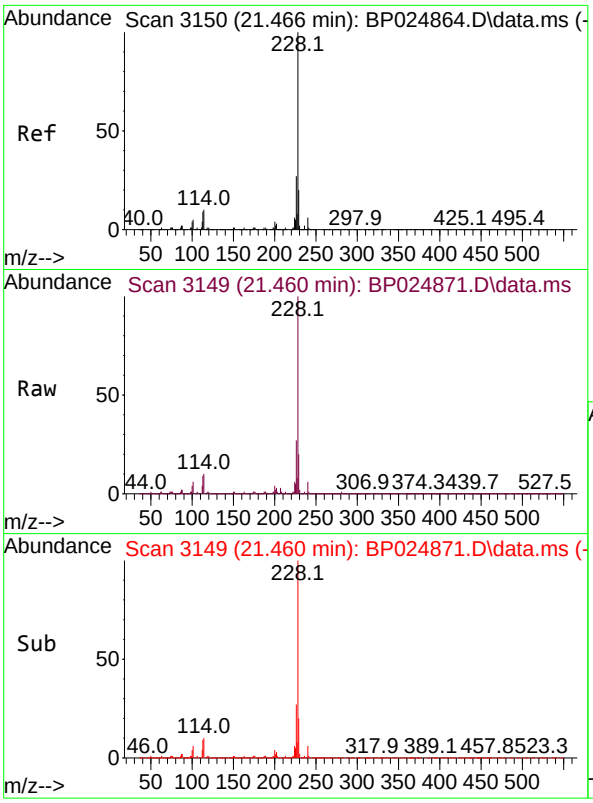


#80
Butylbenzylphthalate
Concen: 38.030 ng
RT: 20.507 min Scan# 2987
Delta R.T. -0.012 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:149 Resp: 1585622

Ion	Ratio	Lower	Upper
149	100		
91	68.9	55.8	83.8
206	20.6	16.2	24.2

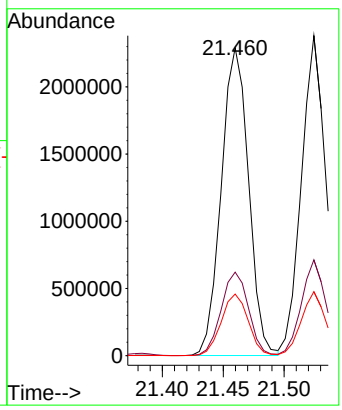




#81
Benzo(a)anthracene
Concen: 38.417 ng
RT: 21.460 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

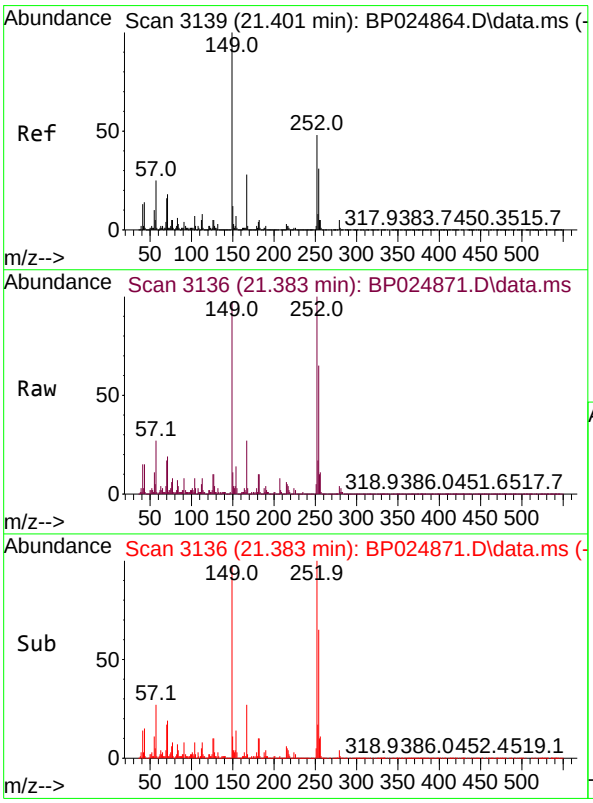
Tgt Ion:228 Resp: 357993

Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.1	33.1
229	20.0	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

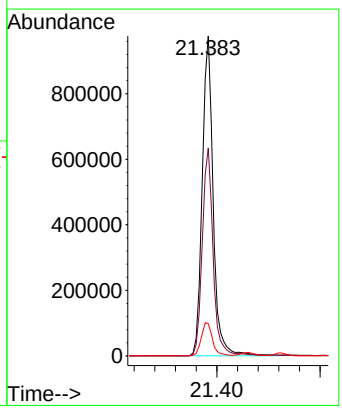
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

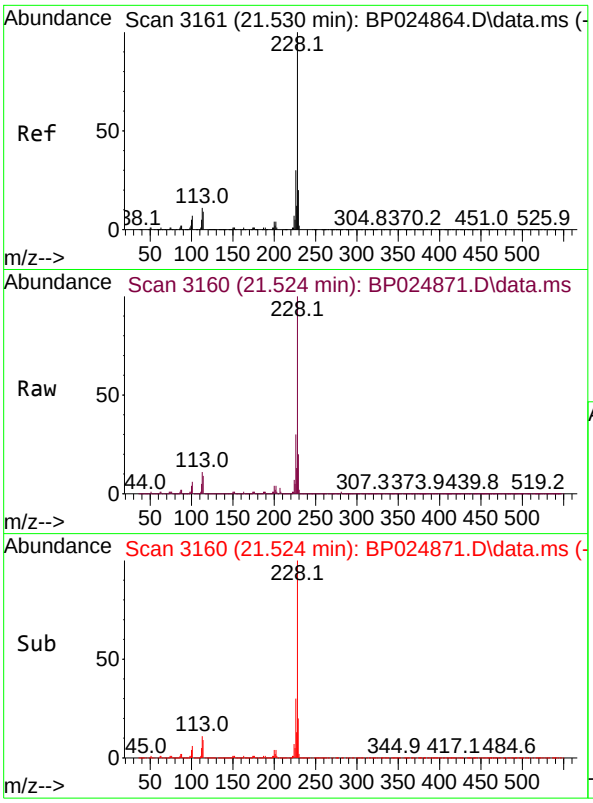


#82
3,3'-Dichlorobenzidine
Concen: 38.683 ng
RT: 21.383 min Scan# 3136
Delta R.T. -0.018 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:252 Resp: 1431070

Ion	Ratio	Lower	Upper
252	100		
254	65.0	51.2	76.8
126	10.1	8.6	12.8

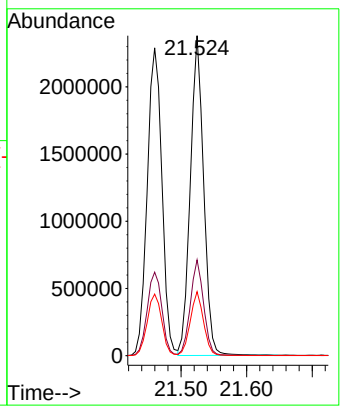




#83
Chrysene
Concen: 38.101 ng
RT: 21.524 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:228 Resp: 336413

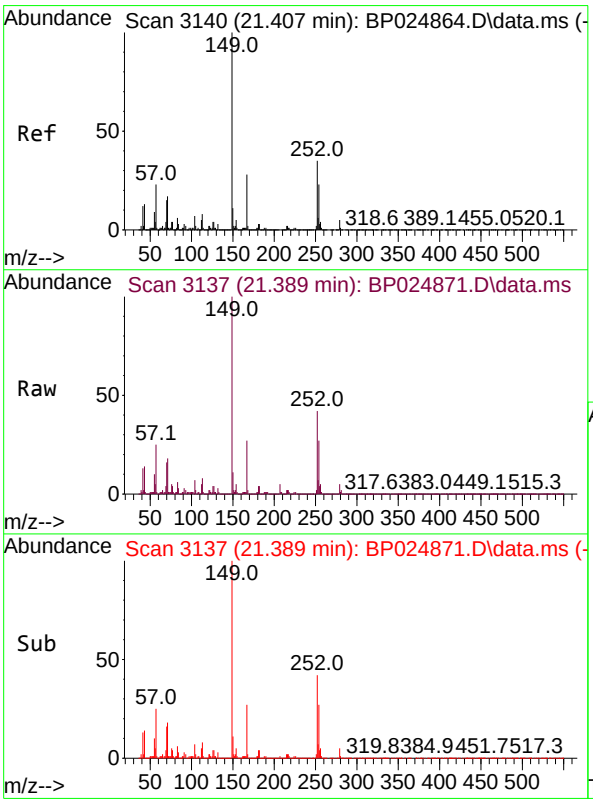
Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.8	35.6
229	20.0	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

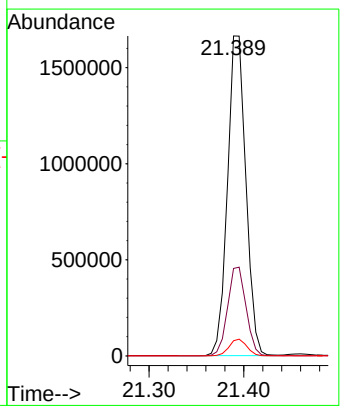
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

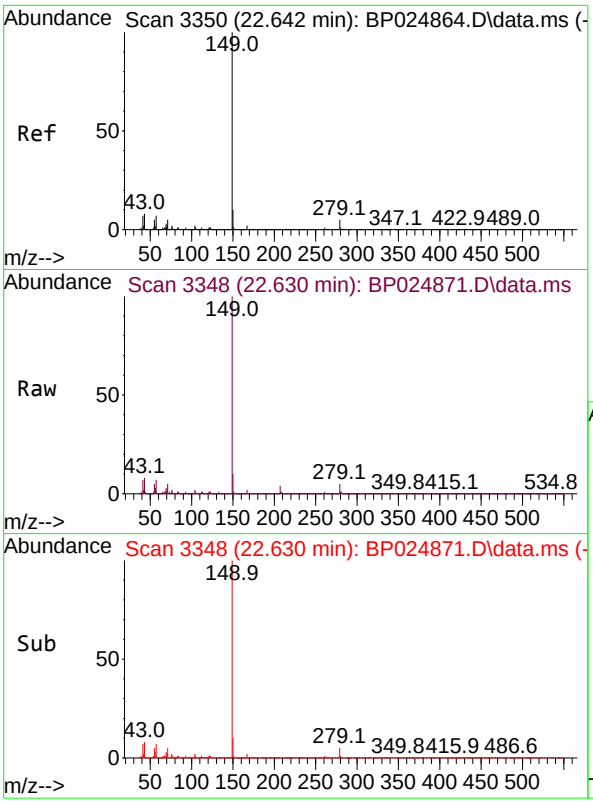


#84
Bis(2-ethylhexyl)phthalate
Concen: 37.636 ng
RT: 21.389 min Scan# 3137
Delta R.T. -0.018 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:149 Resp: 2248290

Ion	Ratio	Lower	Upper
149	100		
167	27.3	22.2	33.4
279	4.7	4.0	6.0

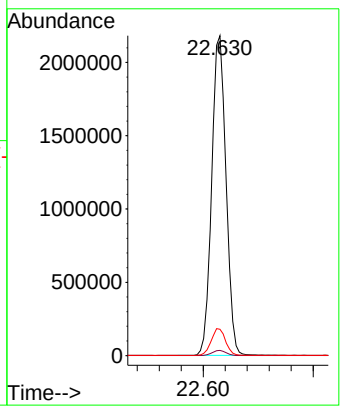




#85
Di-n-octyl phthalate
Concen: 37.383 ng
RT: 22.630 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:149 Resp: 393616

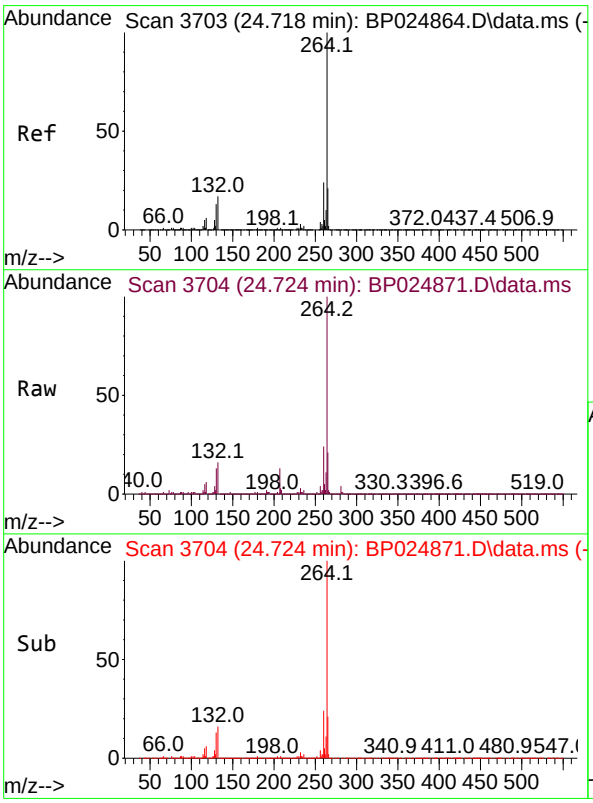
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.4	6.6	10.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

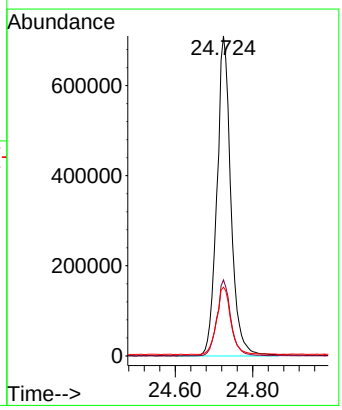
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

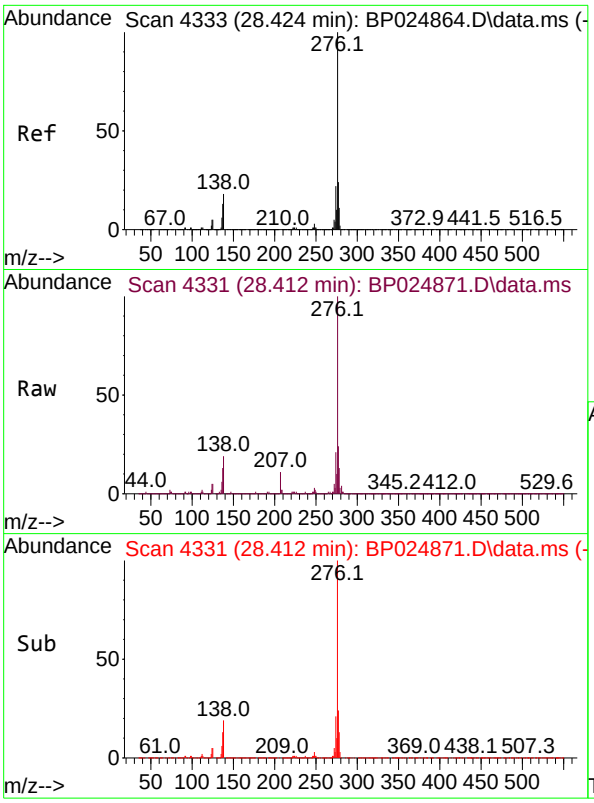


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.724 min Scan# 3704
Delta R.T. 0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:264 Resp: 1778909

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.4
265	21.5	17.4	26.0

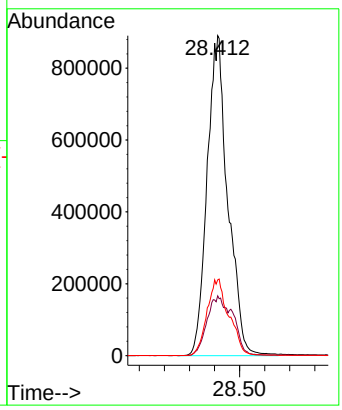




#87
Indeno(1,2,3-cd)pyrene
Concen: 39.367 ng
RT: 28.412 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:276 Resp: 510950

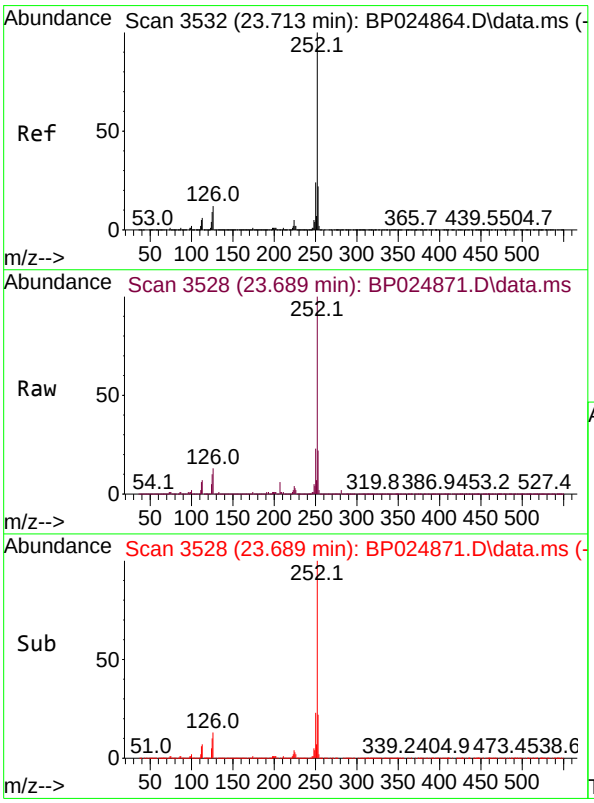
Ion	Ratio	Lower	Upper
276	100		
138	16.8	18.6	27.8
277	25.3	20.2	30.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

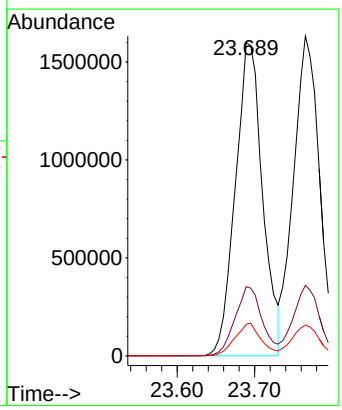
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

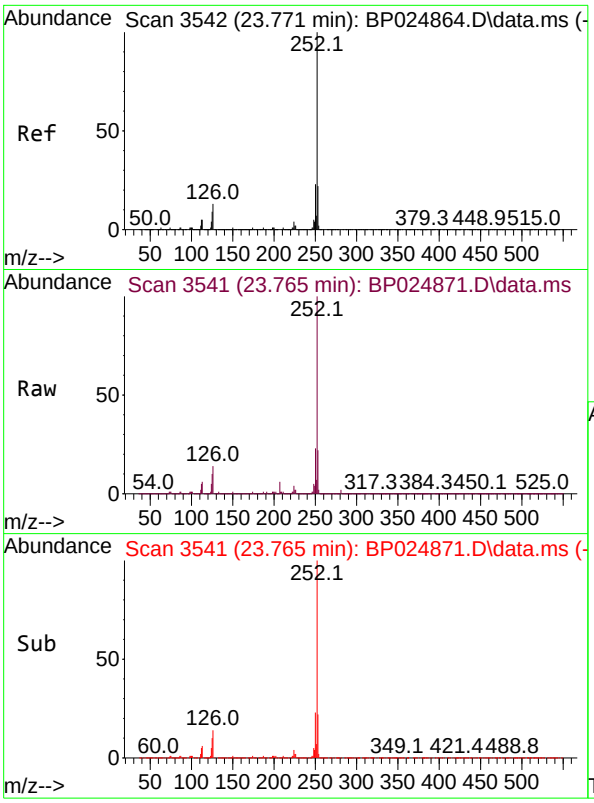


#88
Benzo(b)fluoranthene
Concen: 38.301 ng
RT: 23.689 min Scan# 3528
Delta R.T. -0.024 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:252 Resp: 3899336

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	10.1	7.1	10.7

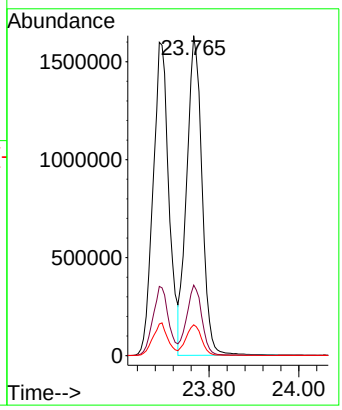




#89
Benzo(k)fluoranthene
Concen: 37.286 ng
RT: 23.765 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:252 Resp: 386394

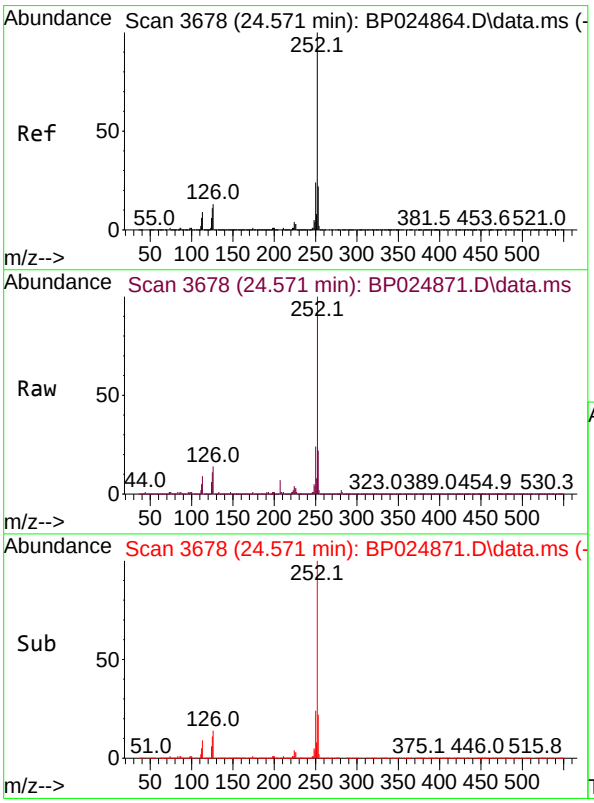
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	9.6	7.4	11.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

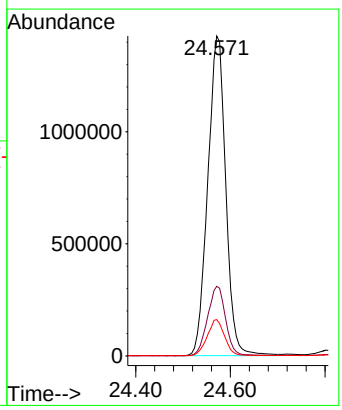
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

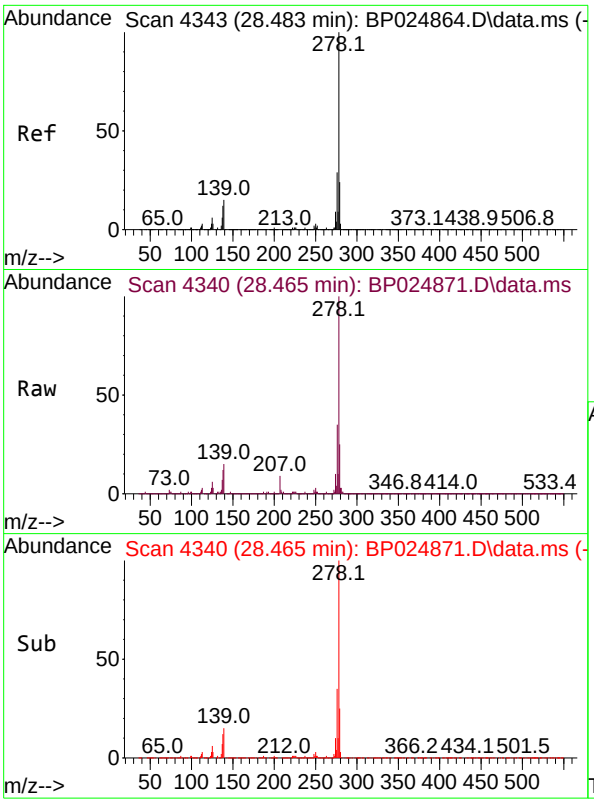


#90
Benzo(a)pyrene
Concen: 37.841 ng
RT: 24.571 min Scan# 3678
Delta R.T. -0.000 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:252 Resp: 3762288

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	11.3	8.8	13.2

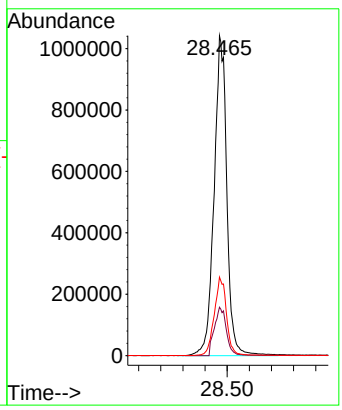




#91
Dibenzo(a,h)anthracene
Concen: 39.385 ng
RT: 28.465 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:278 Resp: 416090

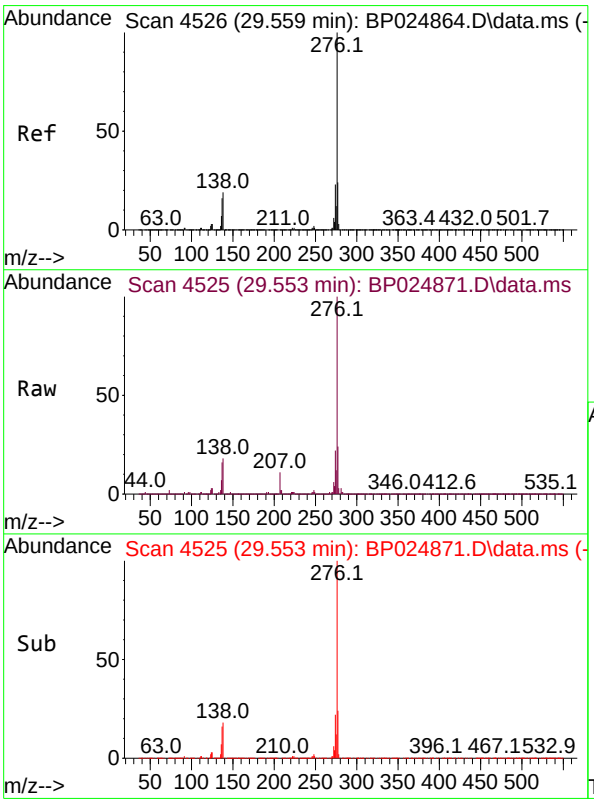
Ion	Ratio	Lower	Upper
278	100		
139	15.1	12.0	18.0
279	24.5	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

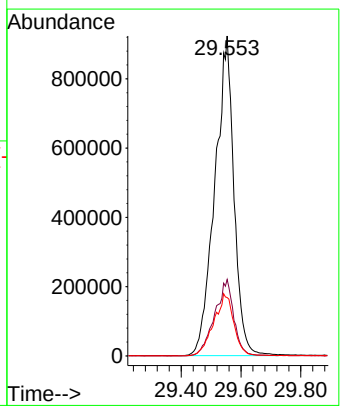
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#92
Benzo(g,h,i)perylene
Concen: 39.310 ng
RT: 29.553 min Scan# 4525
Delta R.T. -0.006 min
Lab File: BP024871.D
Acq: 09 Jun 2025 10:44

Tgt Ion:276 Resp: 4120588

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.1	28.7
138	18.2	15.4	23.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024871.D
Acq On : 09 Jun 2025 10:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Jun 09 11:14:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 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	102	0.00
2		1,4-Dioxane	0.527	0.520	1.3	107	0.00
3		Pyridine	1.268	1.350	-6.5	112	0.00
4		n-Nitrosodimethylamine	0.518	0.523	-1.0	106	0.00
5	S	2-Fluorophenol	1.198	1.175	1.9	103	0.00
6		Aniline	2.023	2.057	-1.7	106	0.00
7	S	Phenol-d6	1.585	1.601	-1.0	105	0.00
8		2-Chlorophenol	1.358	1.342	1.2	104	0.00
9		Benzaldehyde	0.914	0.893	2.3	104	0.00
10	C	Phenol	1.634	1.666	-2.0	107	0.00
11		bis(2-Chloroethyl)ether	1.285	1.280	0.4	105	0.00
12		1,3-Dichlorobenzene	1.515	1.435	5.3	102	0.00
13	C	1,4-Dichlorobenzene	1.529	1.461	4.4	103	0.00
14		1,2-Dichlorobenzene	1.501	1.406	6.3	102	0.00
15		Benzyl Alcohol	1.217	1.234	-1.4	107	0.00
16		2,2'-oxybis(1-Chloropropane	1.682	1.631	3.0	105	0.00
17		2-Methylphenol	1.141	1.152	-1.0	106	0.00
18		Hexachloroethane	0.576	0.542	5.9	101	0.00
19	P	n-Nitroso-di-n-propylamine	1.078	1.088	-0.9	106	0.00
20		3+4-Methylphenols	1.557	1.575	-1.2	107	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	106	0.00
22		Acetophenone	0.505	0.492	2.6	107	0.00
23	S	Nitrobenzene-d5	0.412	0.405	1.7	107	0.00
24		Nitrobenzene	0.366	0.359	1.9	106	0.00
25		Isophorone	0.713	0.693	2.8	106	0.00
26	C	2-Nitrophenol	0.180	0.181	-0.6	107	0.00
27		2,4-Dimethylphenol	0.309	0.303	1.9	106	0.00
28		bis(2-Chloroethoxy)methane	0.426	0.409	4.0	105	0.00
29	C	2,4-Dichlorophenol	0.296	0.296	0.0	108	0.00
30		1,2,4-Trichlorobenzene	0.334	0.312	6.6	105	0.00
31		Naphthalene	1.025	0.984	4.0	106	0.00
32		Benzoic acid	0.209	0.212	-1.4	110	0.00
33		4-Chloroaniline	0.429	0.434	-1.2	108	0.00
34	C	Hexachlorobutadiene	0.201	0.187	7.0	103	0.00
35		Caprolactam	0.109	0.112	-2.8	108	0.00
36	C	4-Chloro-3-methylphenol	0.342	0.347	-1.5	108	0.00
37		2-Methylnaphthalene	0.650	0.642	1.2	108	0.00
38		1-Methylnaphthalene	0.695	0.675	2.9	107	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	106	0.00
40		1,2,4,5-Tetrachlorobenzene	0.568	0.541	4.8	107	0.00
41	P	Hexachlorocyclopentadiene	0.346	0.332	4.0	105	0.00
42	S	2,4,6-Tribromophenol	0.277	0.273	1.4	108	-0.01
43	C	2,4,6-Trichlorophenol	0.381	0.373	2.1	106	0.00
44		2,4,5-Trichlorophenol	0.408	0.416	-2.0	109	0.00
45	S	2-Fluorobiphenyl	1.485	1.394	6.1	107	0.00
46		1,1'-Biphenyl	1.453	1.381	5.0	106	0.00
47		2-Chloronaphthalene	1.117	1.069	4.3	106	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024871.D
Acq On : 09 Jun 2025 10:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Jun 09 11:14:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 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	0.343	0.351	-2.3	108	0.00
49		Acenaphthylene	1.863	1.770	5.0	106	0.00
50		Dimethylphthalate	1.475	1.400	5.1	106	0.00
51		2,6-Dinitrotoluene	0.318	0.308	3.1	105	0.00
52	C	Acenaphthene	1.067	1.029	3.6	107	0.00
53		3-Nitroaniline	0.330	0.343	-3.9	108	0.00
54	P	2,4-Dinitrophenol	0.178	0.182	-2.2	108	-0.01
55		Dibenzofuran	1.713	1.630	4.8	107	0.00
56	P	4-Nitrophenol	0.239	0.252	-5.4	108	0.00
57		2,4-Dinitrotoluene	0.445	0.443	0.4	108	0.00
58		Fluorene	1.384	1.326	4.2	108	0.00
59		2,3,4,6-Tetrachlorophenol	0.365	0.364	0.3	109	0.00
60		Diethylphthalate	1.470	1.395	5.1	107	-0.02
61		4-Chlorophenyl-phenylether	0.677	0.627	7.4	105	0.00
62		4-Nitroaniline	0.299	0.327	-9.4	112	-0.01
63		Azobenzene	1.349	1.304	3.3	107	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	108	-0.01
65		4,6-Dinitro-2-methylphenol	0.131	0.131	0.0	108	-0.02
66	c	n-Nitrosodiphenylamine	0.620	0.596	3.9	107	0.00
67		4-Bromophenyl-phenylether	0.226	0.216	4.4	109	0.00
68		Hexachlorobenzene	0.274	0.261	4.7	108	-0.01
69		Atrazine	0.225	0.214	4.9	106	0.00
70	C	Pentachlorophenol	0.142	0.150	-5.6	116	0.00
71		Phenanthrene	1.105	1.056	4.4	108	-0.01
72		Anthracene	1.119	1.067	4.6	107	0.00
73		Carbazole	1.038	1.005	3.2	108	0.00
74		Di-n-butylphthalate	1.285	1.195	7.0	101	-0.02
75	C	Fluoranthene	1.281	1.200	6.3	106	-0.01
76	I	Chrysene-d12	1.000	1.000	0.0	104	0.00
77		Benzidine	0.619	0.657	-6.1	105	-0.01
78		Pyrene	1.249	1.182	5.4	104	-0.01
79	S	Terphenyl-d14	1.116	1.046	6.3	100	-0.02
80		Butylbenzylphthalate	0.572	0.544	4.9	101	-0.01
81		Benzo(a)anthracene	1.279	1.229	3.9	105	0.00
82		3,3'-Dichlorobenzidine	0.508	0.491	3.3	104	-0.02
83		Chrysene	1.212	1.154	4.8	105	0.00
84		Bis(2-ethylhexyl)phthalate	0.820	0.772	5.9	101	-0.02
85	c	Di-n-octyl phthalate	1.445	1.351	6.5	102	-0.01
86	I	Perylene-d12	1.000	1.000	0.0	108	0.00
87		Indeno(1,2,3-cd)pyrene	1.459	1.436	1.6	110	-0.01
88		Benzo(b)fluoranthene	1.145	1.096	4.3	105	-0.02
89		Benzo(k)fluoranthene	1.165	1.086	6.8	106	0.00
90	C	Benzo(a)pyrene	1.118	1.057	5.5	107	0.00
91		Dibenzo(a,h)anthracene	1.188	1.170	1.5	111	-0.02
92		Benzo(g,h,i)perylene	1.179	1.158	1.8	110	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024871.D
Acq On : 09 Jun 2025 10:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Jun 09 11:14:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024871.D
Acq On : 09 Jun 2025 10:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Jun 09 11:14:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 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	102	0.00
2		1,4-Dioxane	40.000	39.467	1.3	107	0.00
3		Pyridine	40.000	42.594	-6.5	112	0.00
4		n-Nitrosodimethylamine	40.000	40.365	-0.9	106	0.00
5	S	2-Fluorophenol	80.000	78.447	1.9	103	0.00
6		Aniline	40.000	40.669	-1.7	106	0.00
7	S	Phenol-d6	80.000	80.773	-1.0	105	0.00
8		2-Chlorophenol	40.000	39.534	1.2	104	0.00
9		Benzaldehyde	40.000	39.075	2.3	104	0.00
10	C	Phenol	40.000	40.776	-1.9	107	0.00
11		bis(2-Chloroethyl)ether	40.000	39.832	0.4	105	0.00
12		1,3-Dichlorobenzene	40.000	37.873	5.3	102	0.00
13	C	1,4-Dichlorobenzene	40.000	38.233	4.4	103	0.00
14		1,2-Dichlorobenzene	40.000	37.460	6.3	102	0.00
15		Benzyl Alcohol	40.000	40.579	-1.4	107	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	38.789	3.0	105	0.00
17		2-Methylphenol	40.000	40.381	-1.0	106	0.00
18		Hexachloroethane	40.000	37.656	5.9	101	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	40.367	-0.9	106	0.00
20		3+4-Methylphenols	40.000	40.467	-1.2	107	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	106	0.00
22		Acetophenone	40.000	38.956	2.6	107	0.00
23	S	Nitrobenzene-d5	80.000	78.737	1.6	107	0.00
24		Nitrobenzene	40.000	39.249	1.9	106	0.00
25		Isophorone	40.000	38.882	2.8	106	0.00
26	C	2-Nitrophenol	40.000	40.144	-0.4	107	0.00
27		2,4-Dimethylphenol	40.000	39.225	1.9	106	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.433	3.9	105	0.00
29	C	2,4-Dichlorophenol	40.000	39.988	0.0	108	0.00
30		1,2,4-Trichlorobenzene	40.000	37.323	6.7	105	0.00
31		Naphthalene	40.000	38.386	4.0	106	0.00
32		Benzoic acid	40.000	40.563	-1.4	110	0.00
33		4-Chloroaniline	40.000	40.422	-1.1	108	0.00
34	C	Hexachlorobutadiene	40.000	37.207	7.0	103	0.00
35		Caprolactam	40.000	41.048	-2.6	108	0.00
36	C	4-Chloro-3-methylphenol	40.000	40.629	-1.6	108	0.00
37		2-Methylnaphthalene	40.000	39.479	1.3	108	0.00
38		1-Methylnaphthalene	40.000	38.845	2.9	107	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	106	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	38.146	4.6	107	0.00
41	P	Hexachlorocyclopentadiene	40.000	38.332	4.2	105	0.00
42	S	2,4,6-Tribromophenol	80.000	78.869	1.4	108	-0.01
43	C	2,4,6-Trichlorophenol	40.000	39.103	2.2	106	0.00
44		2,4,5-Trichlorophenol	40.000	40.784	-2.0	109	0.00
45	S	2-Fluorobiphenyl	80.000	75.092	6.1	107	0.00
46		1,1'-Biphenyl	40.000	38.014	5.0	106	0.00
47		2-Chloronaphthalene	40.000	38.278	4.3	106	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024871.D
Acq On : 09 Jun 2025 10:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Jun 09 11:14:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	40.825	-2.1	108	0.00
49		Acenaphthylene	40.000	38.013	5.0	106	0.00
50		Dimethylphthalate	40.000	37.961	5.1	106	0.00
51		2,6-Dinitrotoluene	40.000	38.784	3.0	105	0.00
52	C	Acenaphthene	40.000	38.548	3.6	107	0.00
53		3-Nitroaniline	40.000	41.514	-3.8	108	0.00
54	P	2,4-Dinitrophenol	40.000	38.223	4.4	108	-0.01
55		Dibenzofuran	40.000	38.059	4.9	107	0.00
56	P	4-Nitrophenol	40.000	39.074	2.3	108	0.00
57		2,4-Dinitrotoluene	40.000	39.866	0.3	108	0.00
58		Fluorene	40.000	38.310	4.2	108	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.904	0.2	109	0.00
60		Diethylphthalate	40.000	37.963	5.1	107	-0.02
61		4-Chlorophenyl-phenylether	40.000	37.065	7.3	105	0.00
62		4-Nitroaniline	40.000	43.719	-9.3	112	-0.01
63		Azobenzene	40.000	38.692	3.3	107	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	108	-0.01
65		4,6-Dinitro-2-methylphenol	40.000	39.815	0.5	108	-0.02
66	c	n-Nitrosodiphenylamine	40.000	38.436	3.9	107	0.00
67		4-Bromophenyl-phenylether	40.000	38.242	4.4	109	0.00
68		Hexachlorobenzene	40.000	38.199	4.5	108	-0.01
69		Atrazine	40.000	38.113	4.7	106	0.00
70	C	Pentachlorophenol	40.000	42.241	-5.6	116	0.00
71		Phenanthrene	40.000	38.207	4.5	108	-0.01
72		Anthracene	40.000	38.143	4.6	107	0.00
73		Carbazole	40.000	38.742	3.1	108	0.00
74		Di-n-butylphthalate	40.000	37.195	7.0	101	-0.02
75	C	Fluoranthene	40.000	37.471	6.3	106	-0.01
76	I	Chrysene-d12	20.000	20.000	0.0	104	0.00
77		Benzidine	40.000	42.452	-6.1	105	-0.01
78		Pyrene	40.000	37.827	5.4	104	-0.01
79	S	Terphenyl-d14	80.000	74.981	6.3	100	-0.02
80		Butylbenzylphthalate	40.000	38.030	4.9	101	-0.01
81		Benzo(a)anthracene	40.000	38.417	4.0	105	0.00
82		3,3'-Dichlorobenzidine	40.000	38.683	3.3	104	-0.02
83		Chrysene	40.000	38.101	4.7	105	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	37.636	5.9	101	-0.02
85	c	Di-n-octyl phthalate	40.000	37.383	6.5	102	-0.01
86	I	Perylene-d12	20.000	20.000	0.0	108	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	39.367	1.6	110	-0.01
88		Benzo(b)fluoranthene	40.000	38.301	4.2	105	-0.02
89		Benzo(k)fluoranthene	40.000	37.286	6.8	106	0.00
90	C	Benzo(a)pyrene	40.000	37.841	5.4	107	0.00
91		Dibenzo(a,h)anthracene	40.000	39.385	1.5	111	-0.02
92		Benzo(g,h,i)perylene	40.000	39.310	1.7	110	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024871.D
Acq On : 09 Jun 2025 10:44
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Jun 09 11:14:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 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

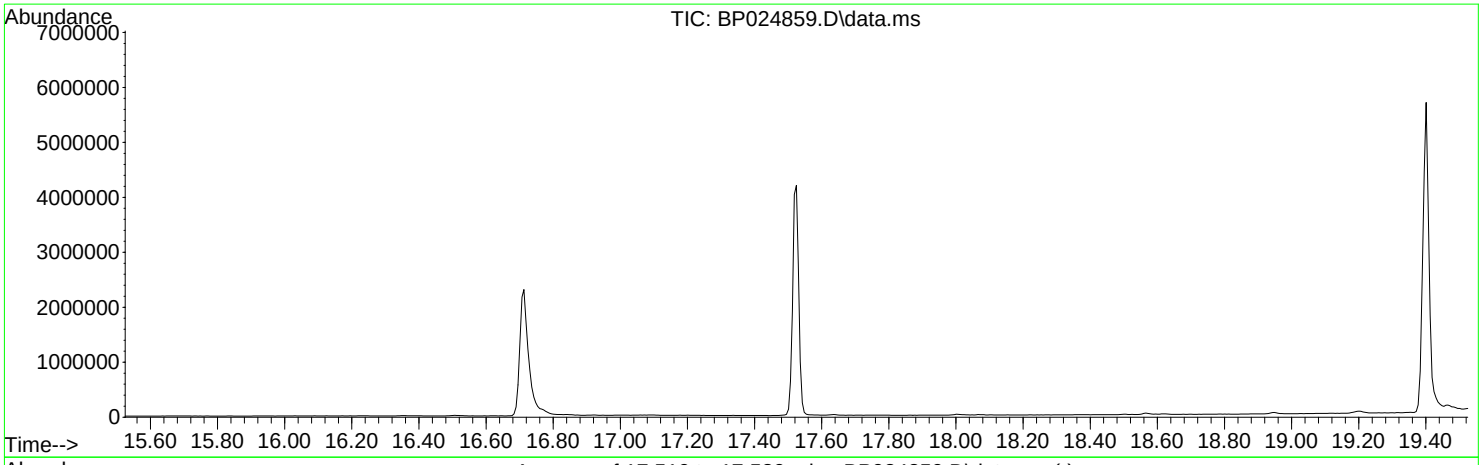
QC SAMPLE DATA

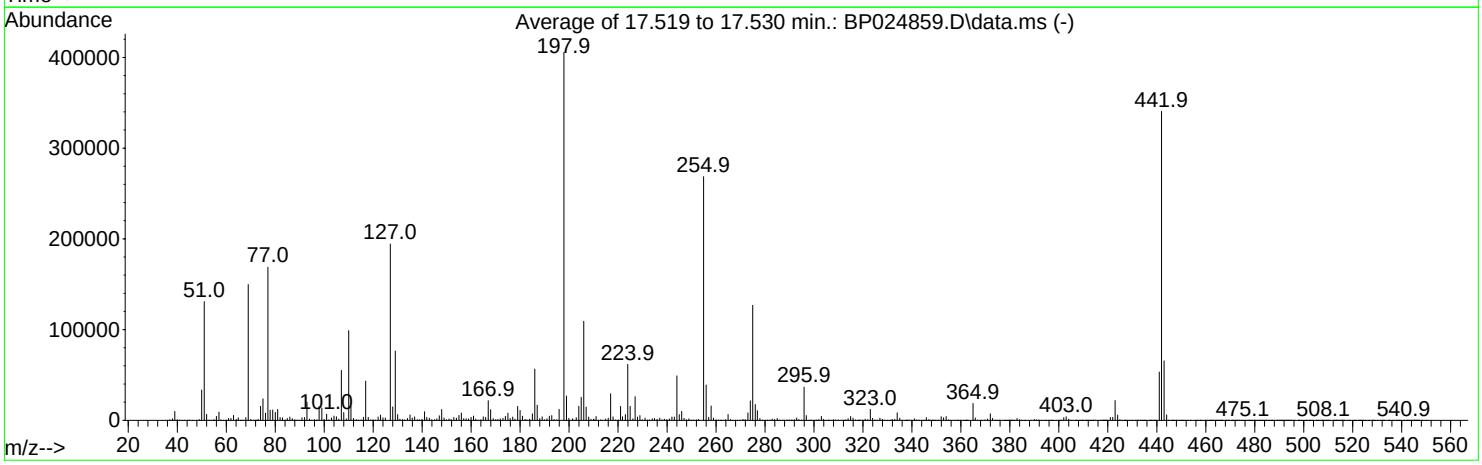
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024859.D
Acq On : 06 Jun 2025 09:49
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jun 06 16:20:27 2025





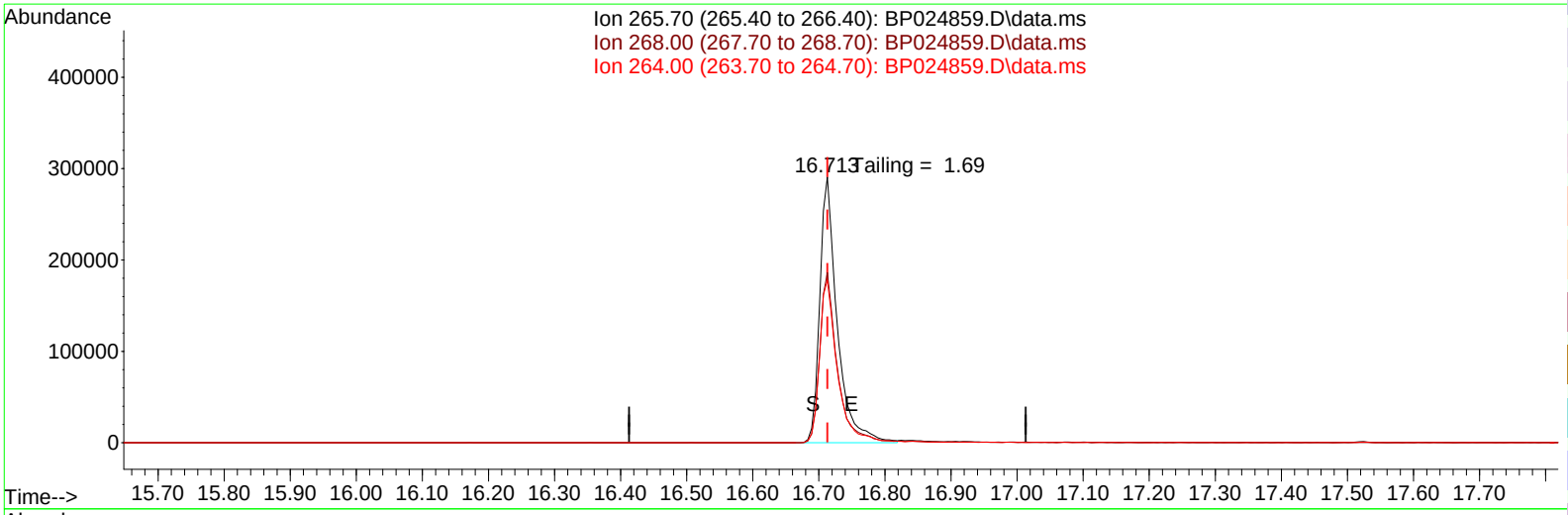
AutoFind: Scans 2479, 2480, 2481; Background Corrected with Scan 2471

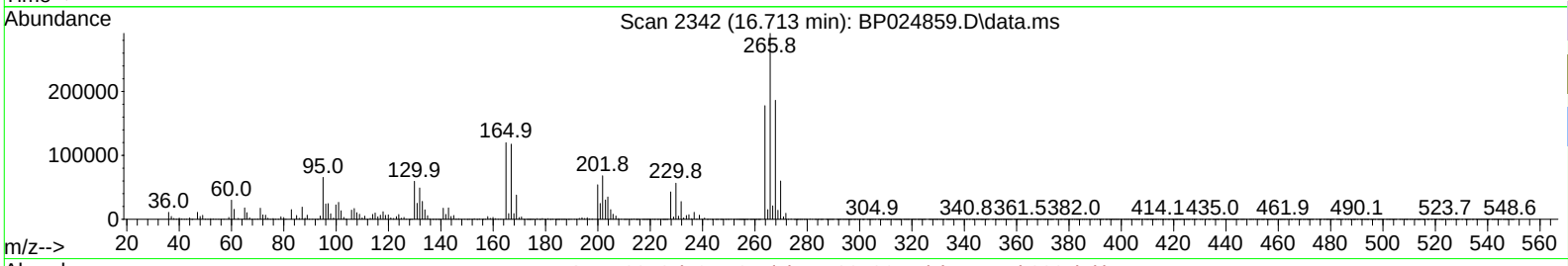
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	32.2	130762	PASS
68	69	0.00	2	1.9	2882	PASS
69	198	0.00	100	36.9	149759	PASS
70	69	0.00	2	0.6	956	PASS
127	198	10	80	47.9	194356	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	405520	PASS
199	198	5	9	6.6	26790	PASS
275	198	10	60	31.2	126715	PASS
365	198	1	100	4.6	18586	PASS
441	198	0.01	100	13.1	53196	PASS
442	442	100	100	100.0	340484	PASS
443	442	15	24	19.2	65481	PASS

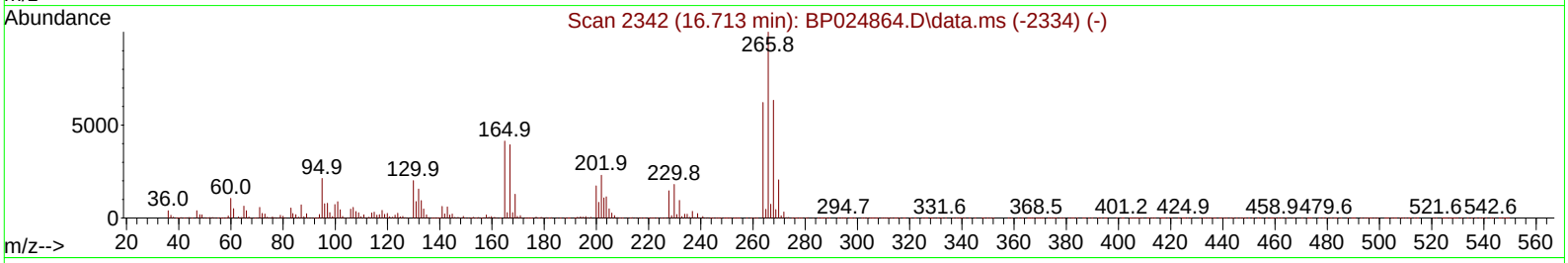
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024859.D
Acq On : 06 Jun 2025 09:49
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Jun 06 16:23:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration







TIC: BP024859.D\data.ms

(70) Pentachlorophenol (C)

16.713min (-0.000) 25022.31 ng

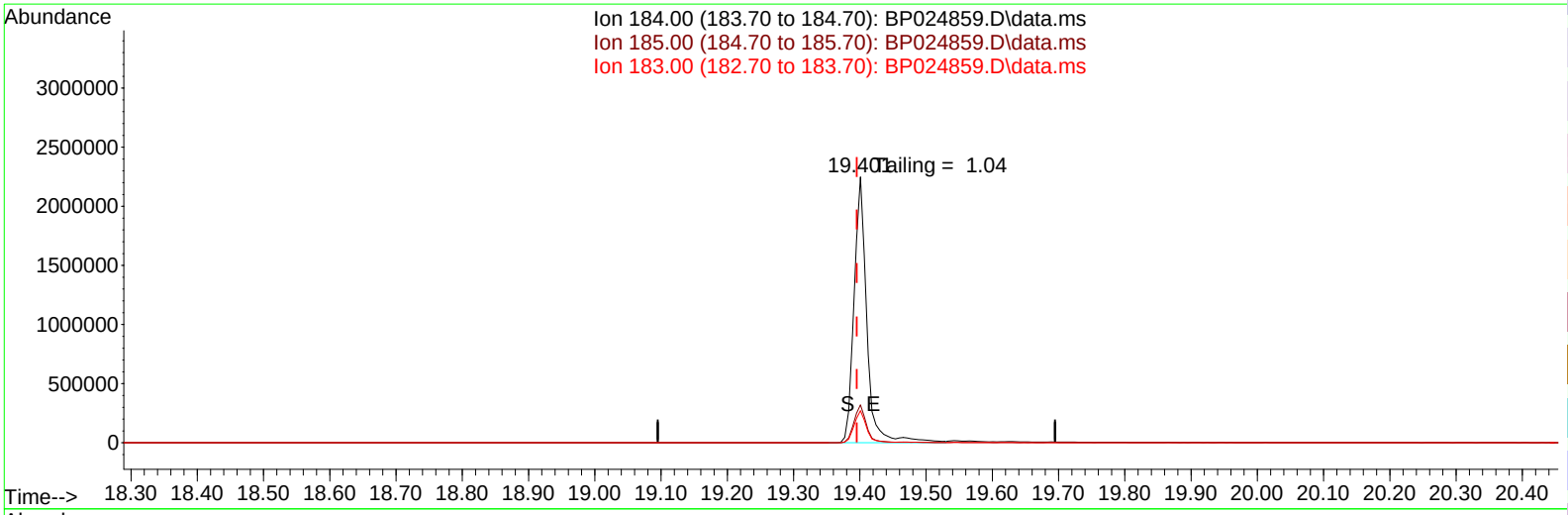
response 535499

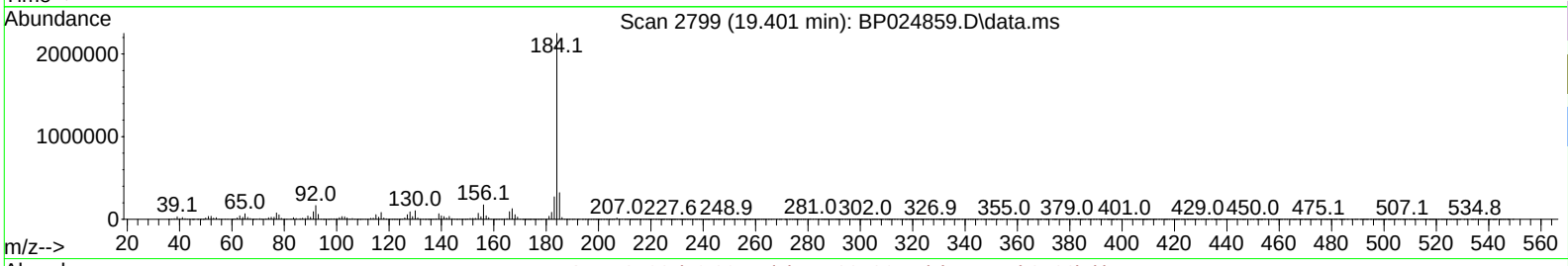
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.30	63.99
264.00	62.10	61.11
0.00	0.00	0.00

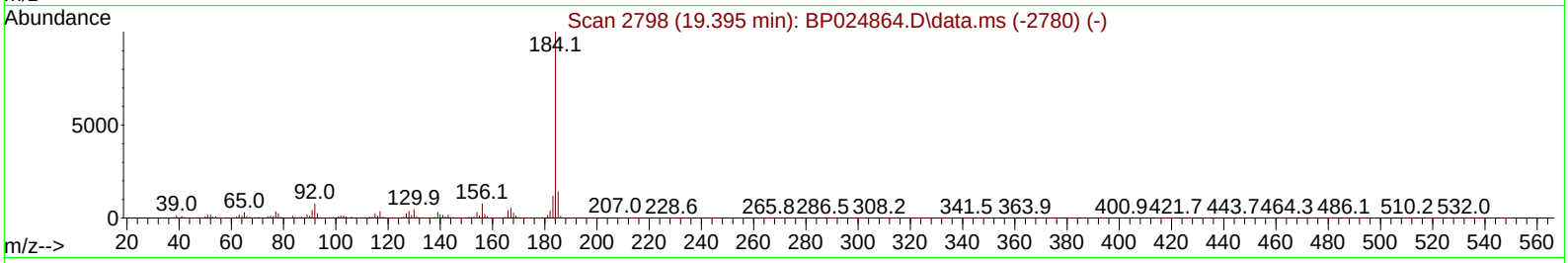
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060625\
Data File : BP024859.D
Acq On : 06 Jun 2025 09:49
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Jun 06 16:23:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration







TIC: BP024859.D\data.ms

(77) Benzidine

19.401min (+ 0.006) 4191.40 ng

response 2912892

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.20	14.27
183.00	11.90	12.06
0.00	0.00	0.00

Instrument :
BNA_P
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
6/6/2025	BNA_P	BP024859.D
Compound Name	**Response**	**Retention Time**
DDT	1572545	20.677
DDD	21912	20.26
DDE	1833	19.695
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
23745	1596290	1.49

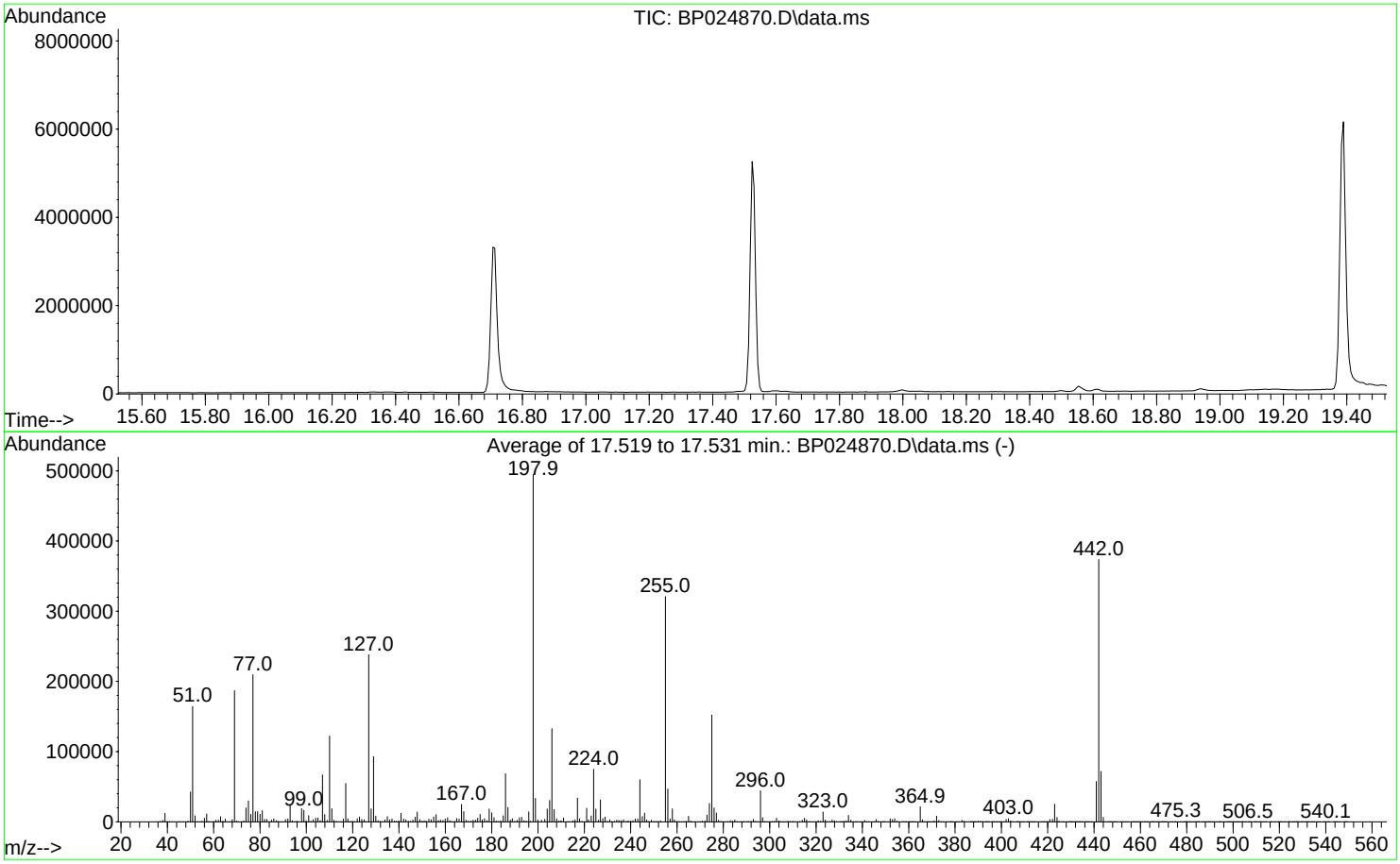
Sample Results: **BP024870.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024870.D
Acq On : 09 Jun 2025 10:03
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-BP060625.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jun 06 16:20:27 2025



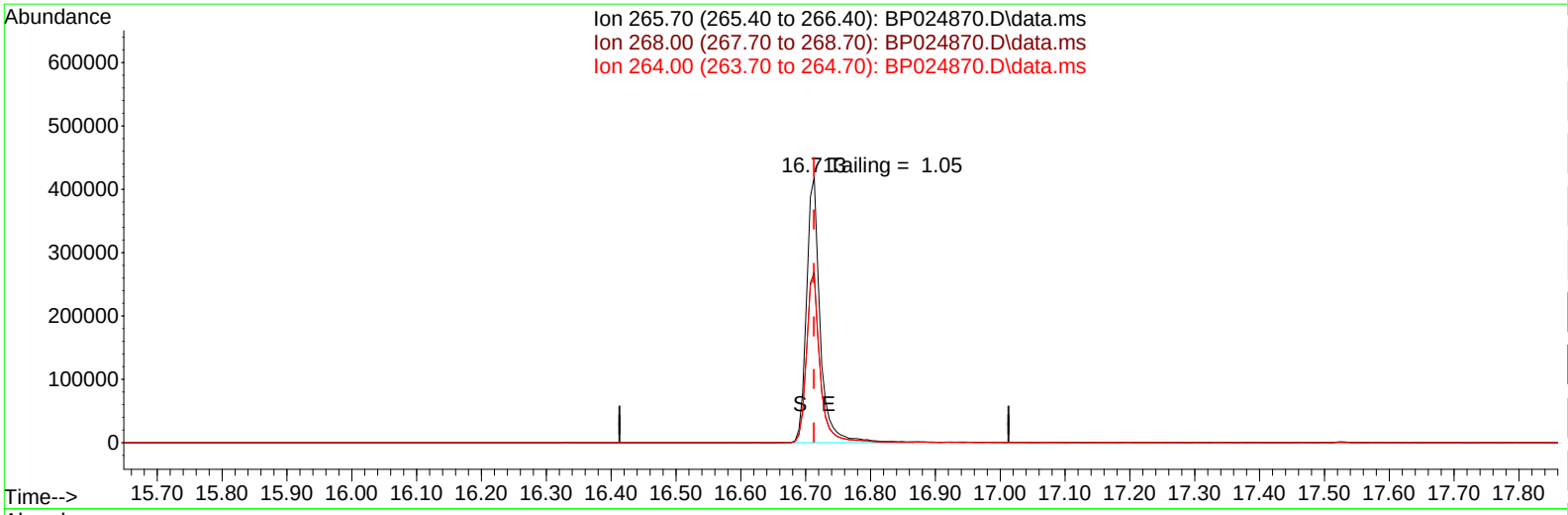
AutoFind: Scans 2479, 2480, 2481; Background Corrected with Scan 2469

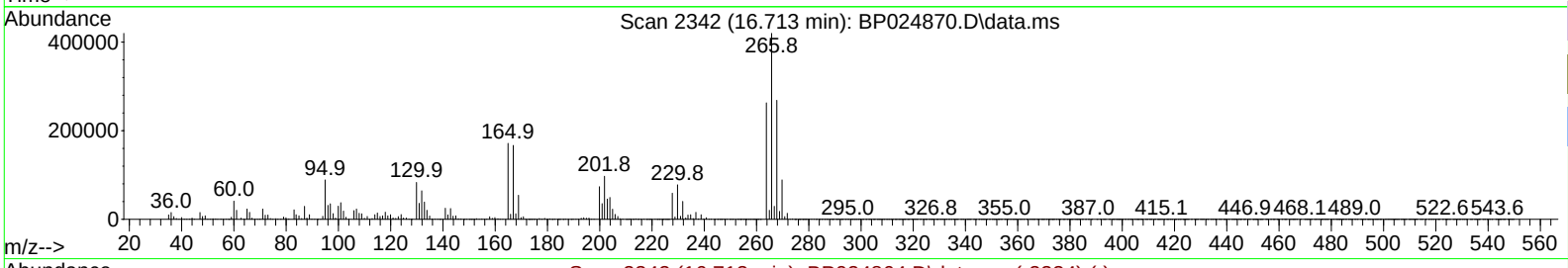
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	33.2	164298	PASS
68	69	0.00	2	1.7	3127	PASS
69	198	0.00	100	37.7	186800	PASS
70	69	0.00	2	0.6	1208	PASS
127	198	10	80	48.1	237925	PASS
197	198	0.00	2	0.1	705	PASS
198	198	100	100	100.0	494936	PASS
199	198	5	9	6.8	33502	PASS
275	198	10	60	30.7	152082	PASS
365	198	1	100	4.3	21354	PASS
441	198	0.01	100	11.6	57460	PASS
442	442	100	100	100.0	373547	PASS
443	442	15	24	19.2	71751	PASS

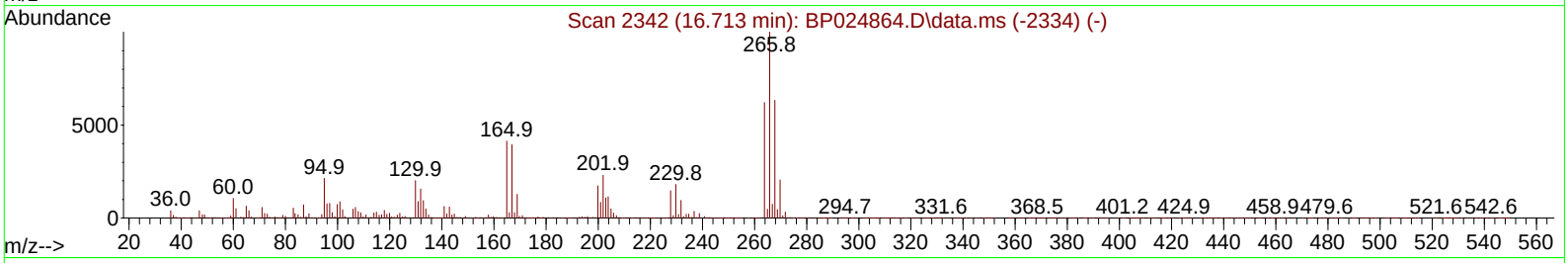
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024870.D
Acq On : 09 Jun 2025 10:03
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Jun 09 10:53:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration







TIC: BP024870.D\data.ms

(70) Pentachlorophenol (C)

16.713min (-0.000) 92926.84 ng

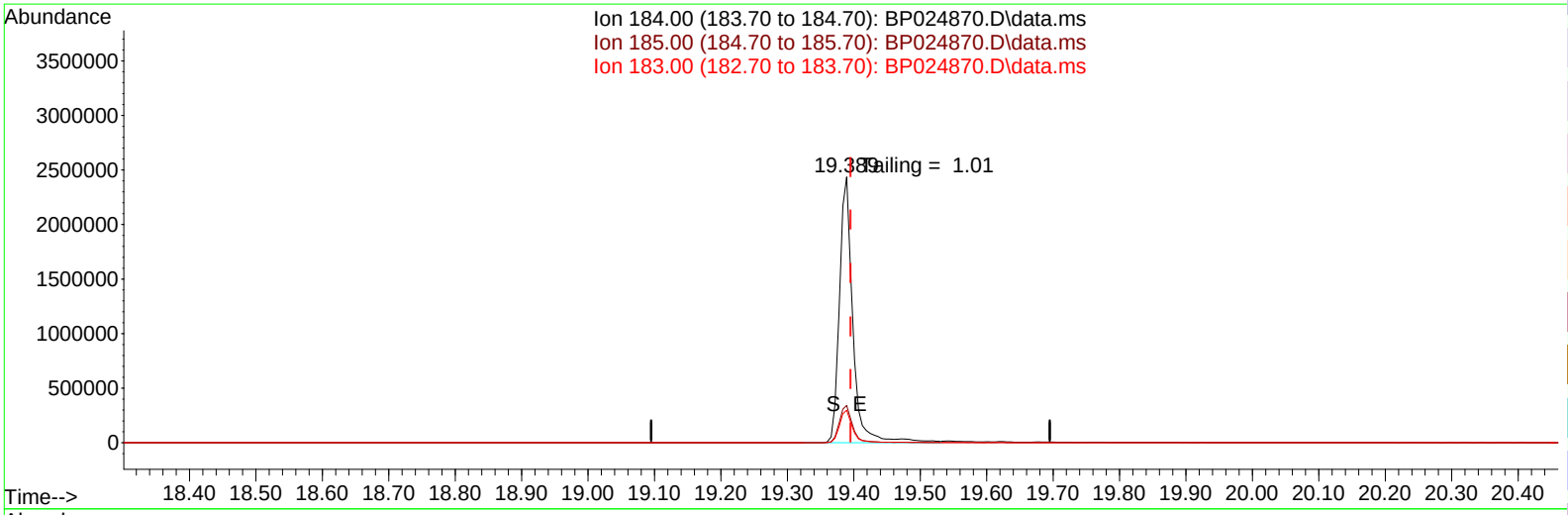
response 615758

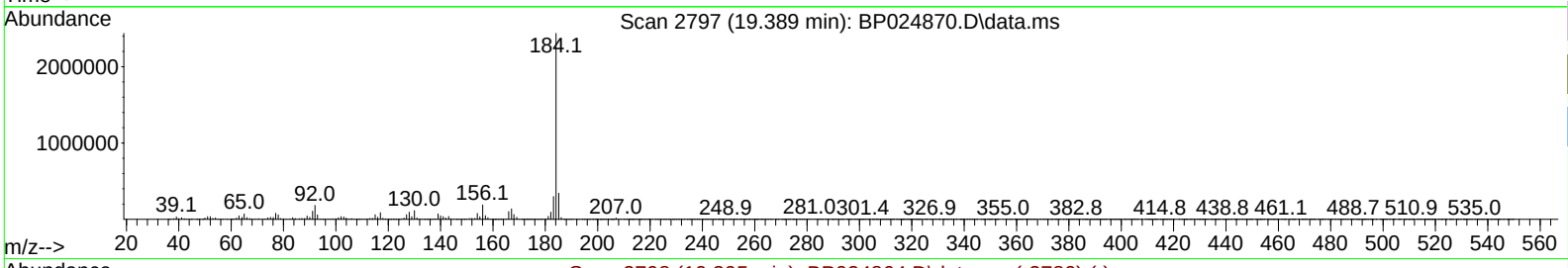
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.30	64.02
264.00	62.10	62.65
0.00	0.00	0.00

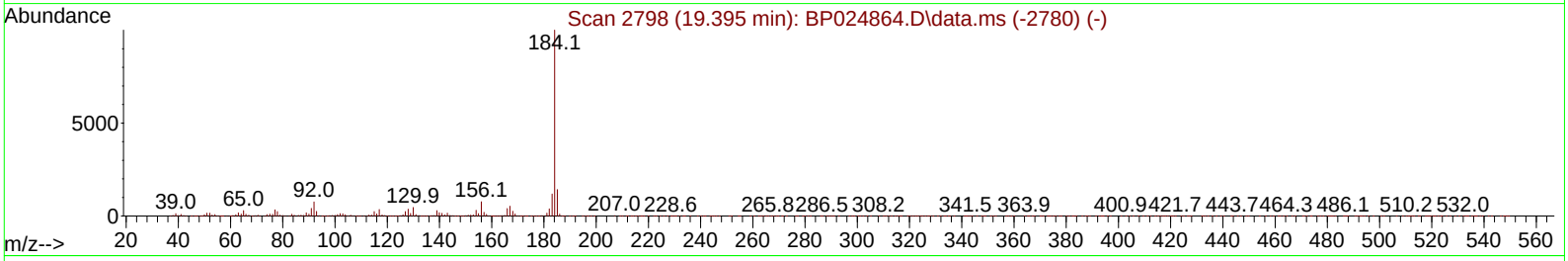
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024870.D
Acq On : 09 Jun 2025 10:03
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Jun 09 10:53:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration







TIC: BP024870.D\data.ms

(77) Benzidine

19.389min (-0.006) 1294.06 ng

response 3322112

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.20	14.01
183.00	11.90	12.23
0.00	0.00	0.00

Instrument :
BNA_P
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
6/9/2025	BNA_P	BP024870.D
Compound Name	**Response**	**Retention Time**
DDT	1823097	20.672
DDD	22597	20.26
DDE	2048	19.689
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
24645	1847742	1.33

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	
Client Sample ID:	PB168323BL	SDG No.:	Q2230
Lab Sample ID:	PB168323BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024872.D	1	06/06/25 08:35	06/09/25 11:24	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
91-20-3	Naphthalene	5.00	U	0.50	5.00	ug/L
208-96-8	Acenaphthylene	5.00	U	0.75	5.00	ug/L
83-32-9	Acenaphthene	5.00	U	0.55	5.00	ug/L
86-73-7	Fluorene	5.00	U	0.63	5.00	ug/L
85-01-8	Phenanthrene	5.00	U	0.50	5.00	ug/L
120-12-7	Anthracene	5.00	U	0.61	5.00	ug/L
206-44-0	Fluoranthene	5.00	U	0.82	5.00	ug/L
129-00-0	Pyrene	5.00	U	0.50	5.00	ug/L
56-55-3	Benzo(a)anthracene	5.00	U	0.45	5.00	ug/L
218-01-9	Chrysene	5.00	U	0.44	5.00	ug/L
205-99-2	Benzo(b)fluoranthene	5.00	U	0.49	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	5.00	U	0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	5.00	U	0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	5.00	U	0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	5.00	U	0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	5.00	U	0.69	5.00	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	85.2		67 - 132	85%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.3		52 - 132	84%	SPK: 100
1718-51-0	Terphenyl-d14	90.1		42 - 152	90%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	279000	7.608			
1146-65-2	Naphthalene-d8	1080000	10.378			
15067-26-2	Acenaphthene-d10	656000	14.248			
1517-22-2	Phenanthrene-d10	1270000	17.066			
1719-03-5	Chrysene-d12	1280000	21.489			
1520-96-3	Perylene-d12	1470000	24.73			

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

Report of Analysis

Client:	CDM Smith			Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY			Date Received:	
Client Sample ID:	PB168323BL			SDG No.:	Q2230
Lab Sample ID:	PB168323BL			Matrix:	Water
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group3
Extraction Type :		Decanted :	N	Level :	LOW
Injection Volume :		GPC Factor :	1.0	GPC Cleanup :	N PH :
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024872.D	1	06/06/25 08:35	06/09/25 11:24	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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\BP060925\
Data File : BP024872.D
Acq On : 09 Jun 2025 11:24
Operator : RC/JU
Sample : PB168323BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168323BL

Quant Time: Jun 09 12:31:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

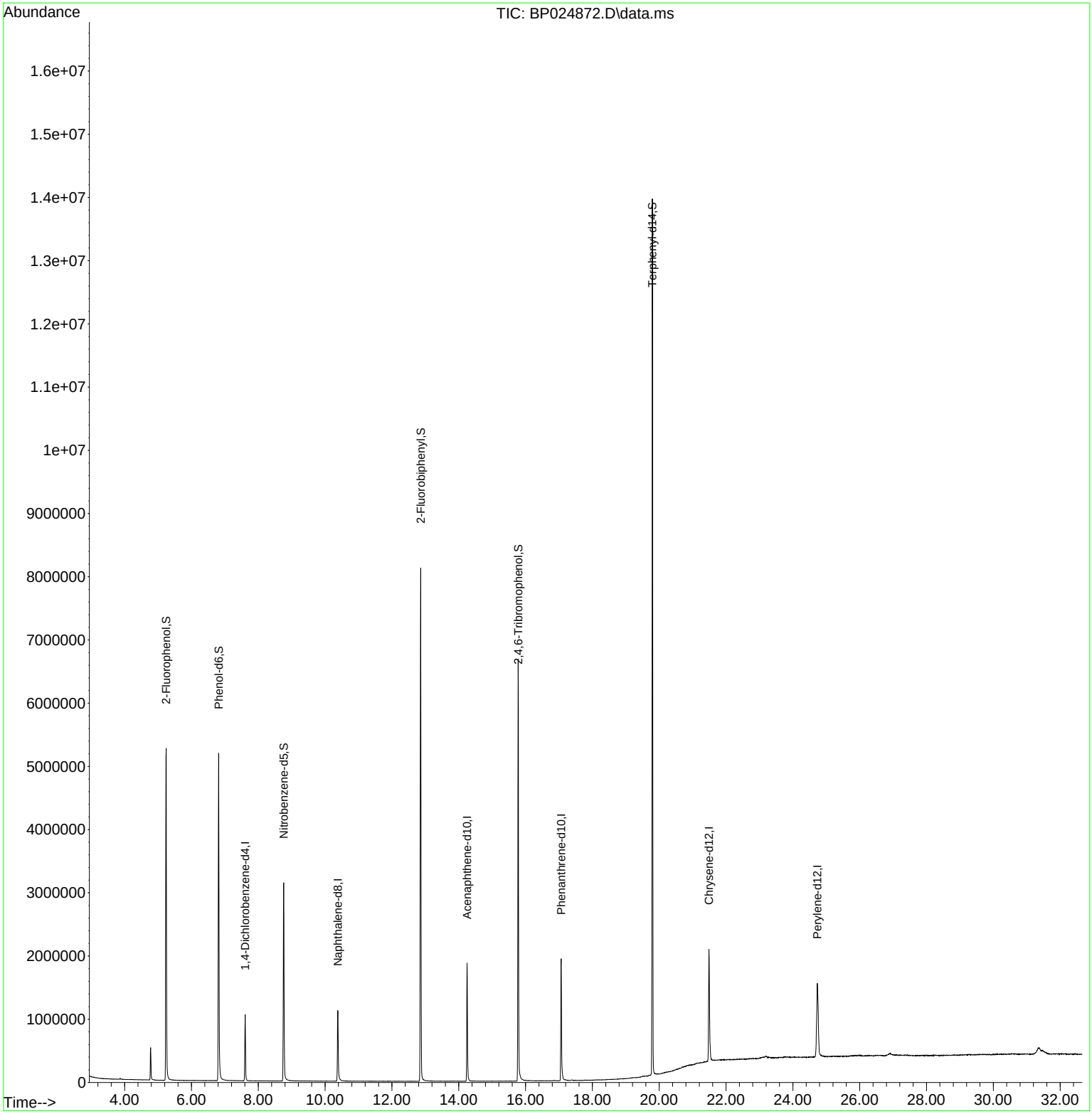
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	278652	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	1083873	20.000	ng	0.00
39) Acenaphthene-d10	14.248	164	655689	20.000	ng	0.00
64) Phenanthrene-d10	17.066	188	1268484	20.000	ng	0.00
76) Chrysene-d12	21.489	240	1277128	20.000	ng	0.00
86) Perylene-d12	24.730	264	1472674	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.243	112	2436717	145.966	ng	0.00
7) Phenol-d6	6.814	99	3036491	137.475	ng	0.00
23) Nitrobenzene-d5	8.760	82	1900527	85.206	ng	0.00
42) 2,4,6-Tribromophenol	15.784	330	1295397	142.897	ng	0.00
45) 2-Fluorobiphenyl	12.860	172	4102972	84.296	ng	0.00
79) Terphenyl-d14	19.795	244	6423595	90.145	ng	0.00
Target Compounds						Qvalue

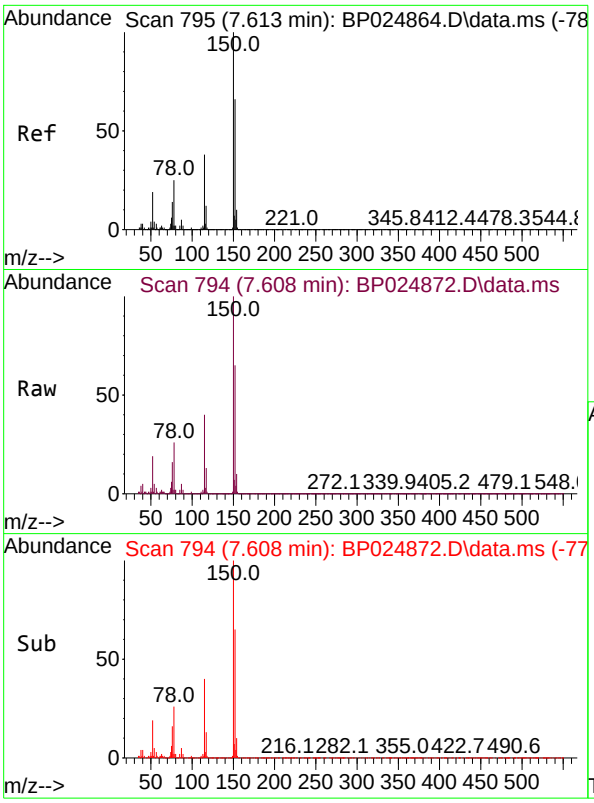
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024872.D
Acq On : 09 Jun 2025 11:24
Operator : RC/JU
Sample : PB168323BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168323BL

Quant Time: Jun 09 12:31:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration



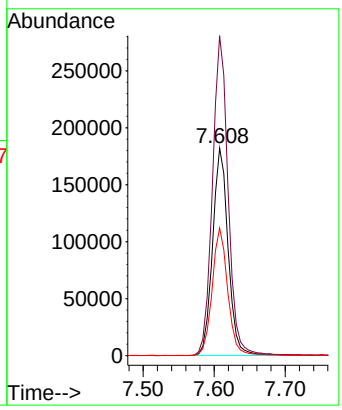


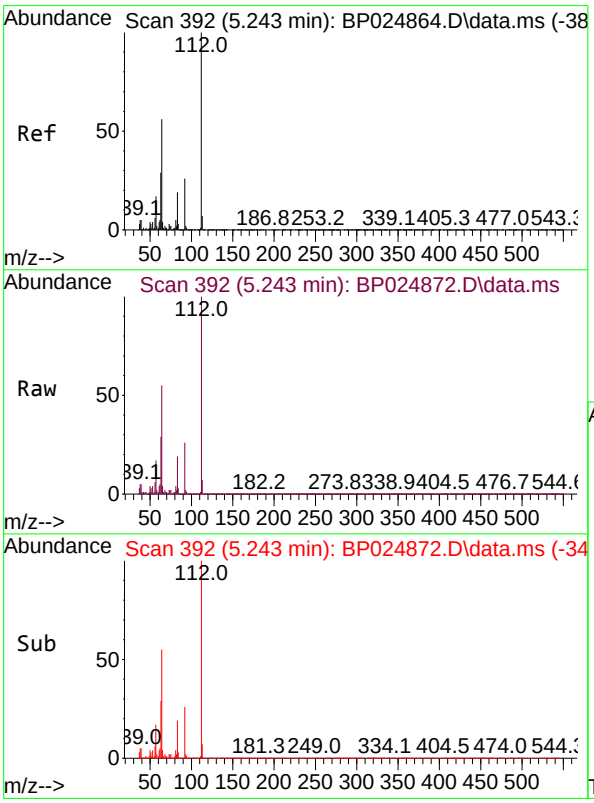
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 7
Delta R.T. -0.005 min
Lab File: BP024872.D
Acq: 09 Jun 2025 11:24

Instrument :
BNA_P
ClientSampleId :
PB168323BL

Tgt Ion:152 Resp: 278652

Ion	Ratio	Lower	Upper
152	100		
150	154.2	122.1	183.1
115	61.5	46.4	69.6

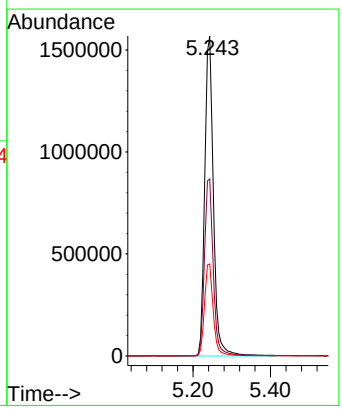


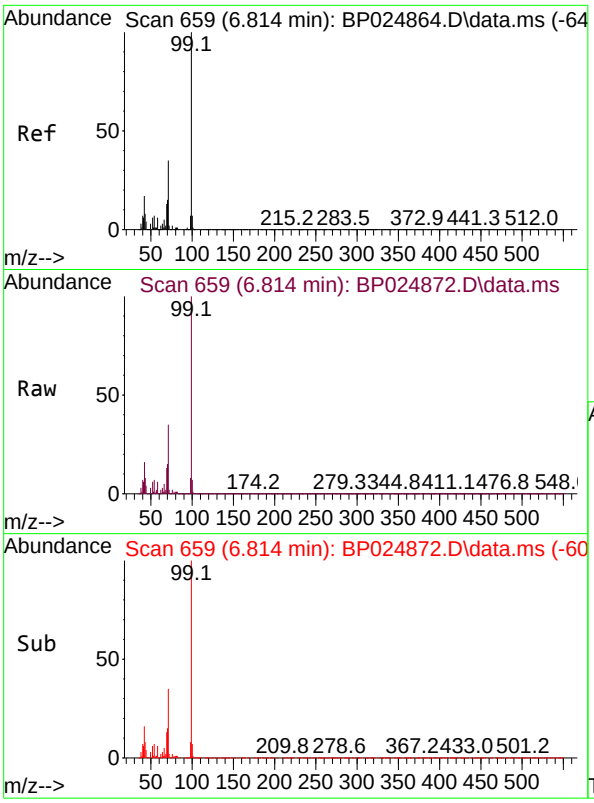


#5
2-Fluorophenol
Concen: 145.966 ng
RT: 5.243 min Scan# 392
Delta R.T. -0.000 min
Lab File: BP024872.D
Acq: 09 Jun 2025 11:24

Tgt Ion:112 Resp: 2436717

Ion	Ratio	Lower	Upper
112	100		
64	55.3	44.7	67.1
63	28.7	23.5	35.3



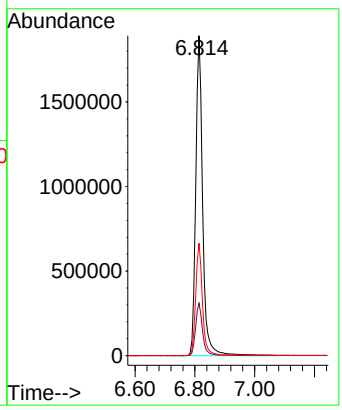


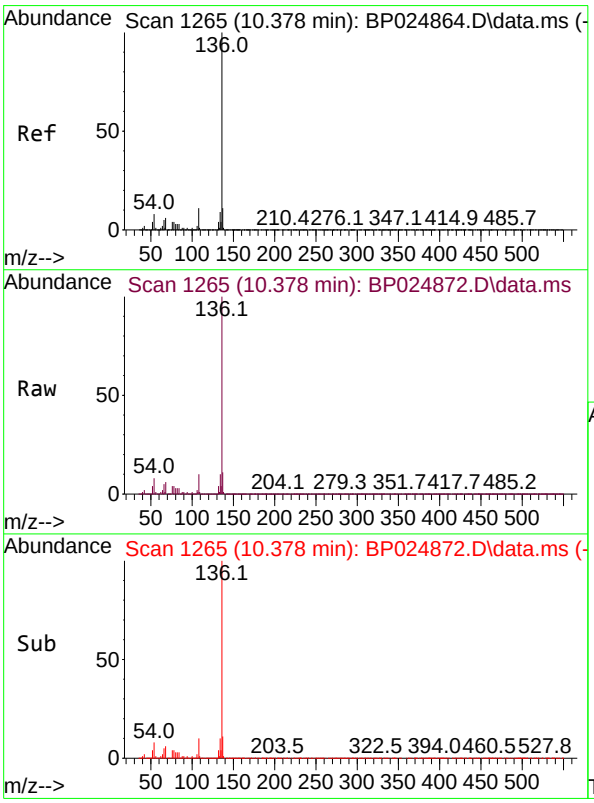
#7
Phenol-d6
Concen: 137.475 ng
RT: 6.814 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024872.D
Acq: 09 Jun 2025 11:24

Instrument :
BNA_P
ClientSampleId :
PB168323BL

Tgt Ion: 99 Resp: 3036491

Ion	Ratio	Lower	Upper
99	100		
42	16.4	13.4	20.2
71	35.1	27.6	41.4

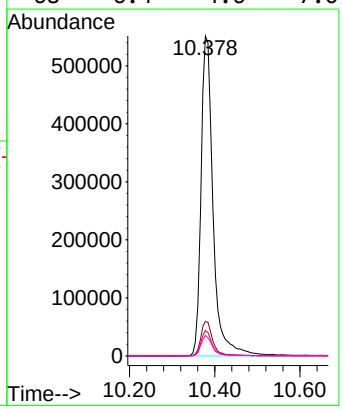


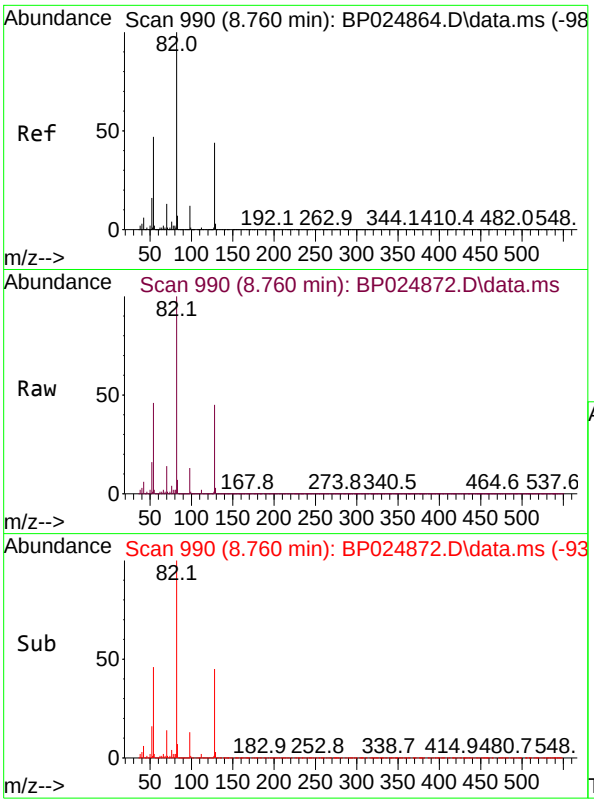


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BP024872.D
Acq: 09 Jun 2025 11:24

Tgt Ion:136 Resp: 1083873

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.9	6.1	9.1
68	6.4	4.6	7.0



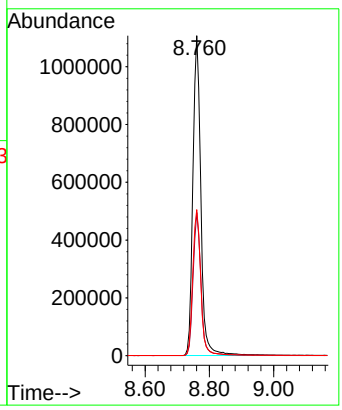


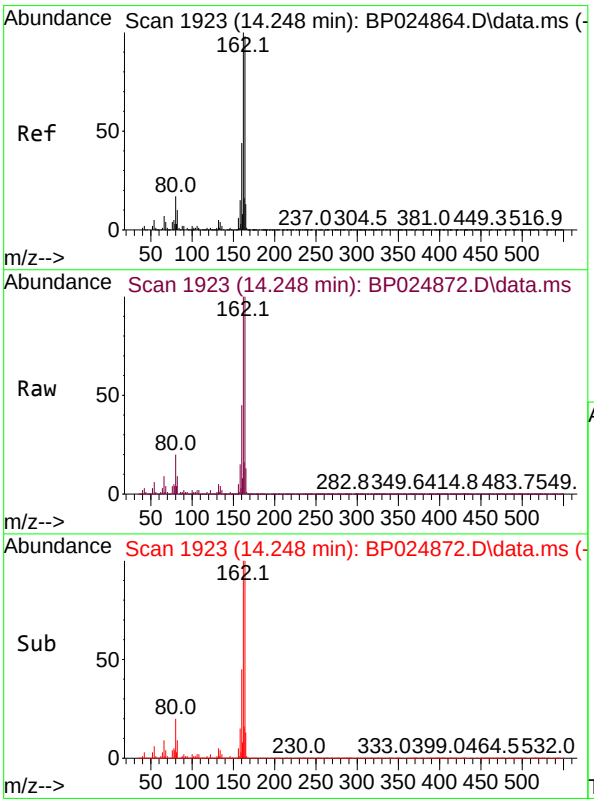
#23
Nitrobenzene-d5
Concen: 85.206 ng
RT: 8.760 min Scan# 99
Delta R.T. -0.000 min
Lab File: BP024872.D
Acq: 09 Jun 2025 11:24

Instrument :
BNA_P
ClientSampleId :
PB168323BL

Tgt Ion: 82 Resp: 1900527

Ion	Ratio	Lower	Upper
82	100		
128	44.7	35.3	52.9
54	45.6	37.4	56.0

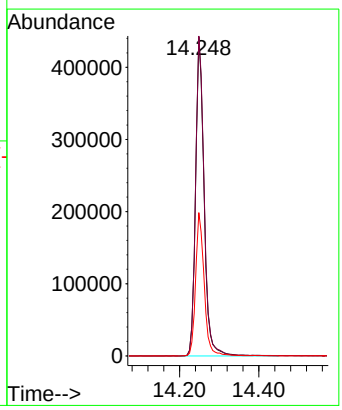


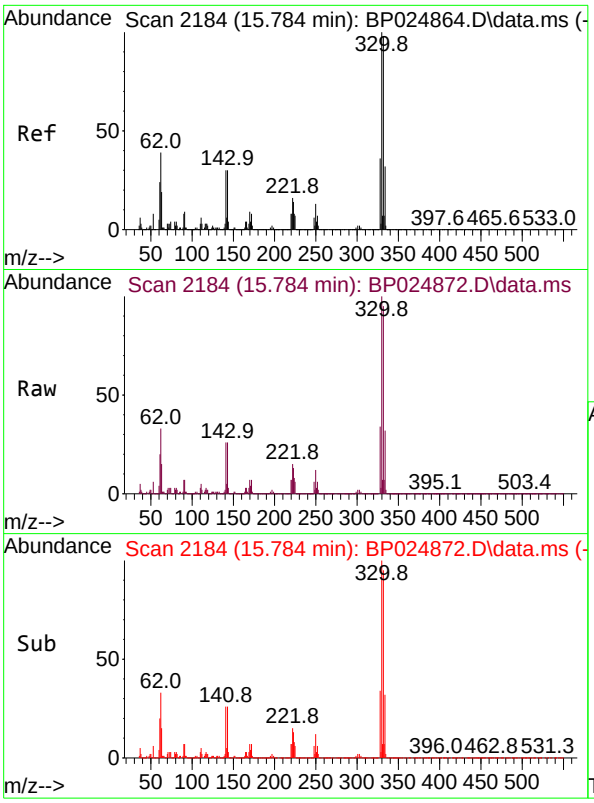


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.248 min Scan# 1923
Delta R.T. -0.000 min
Lab File: BP024872.D
Acq: 09 Jun 2025 11:24

Tgt Ion:164 Resp: 655689

Ion	Ratio	Lower	Upper
164	100		
162	100.4	81.6	122.4
160	44.9	36.2	54.2



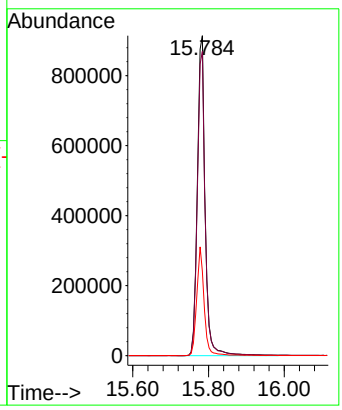


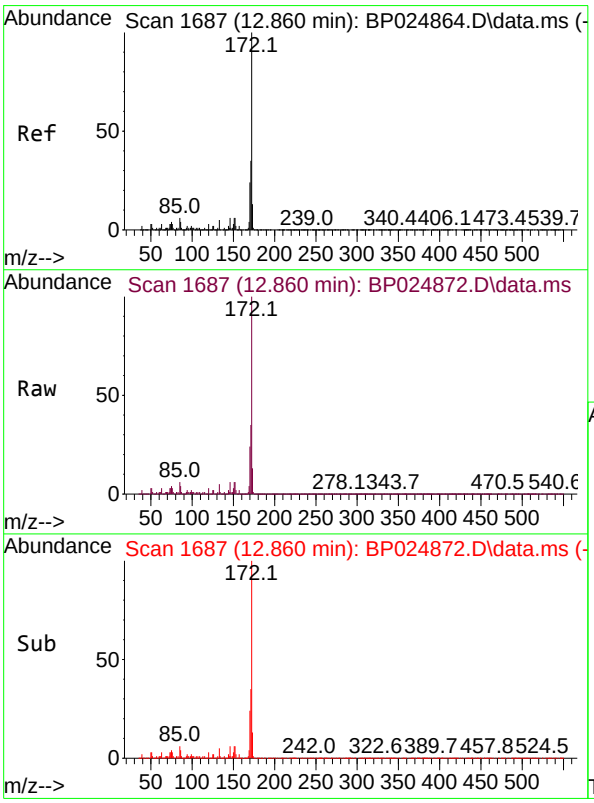
#42
2,4,6-Tribromophenol
Concen: 142.897 ng
RT: 15.784 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024872.D
Acq: 09 Jun 2025 11:24

Instrument :
BNA_P
ClientSampleId :
PB168323BL

Tgt Ion:330 Resp: 1295397

Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.7	116.5
141	32.3	26.4	39.6

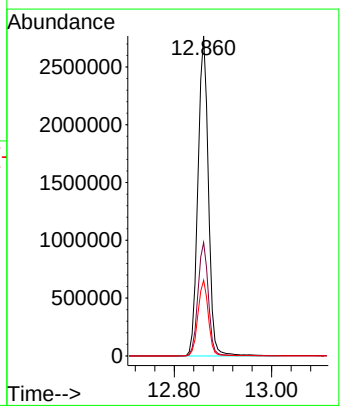


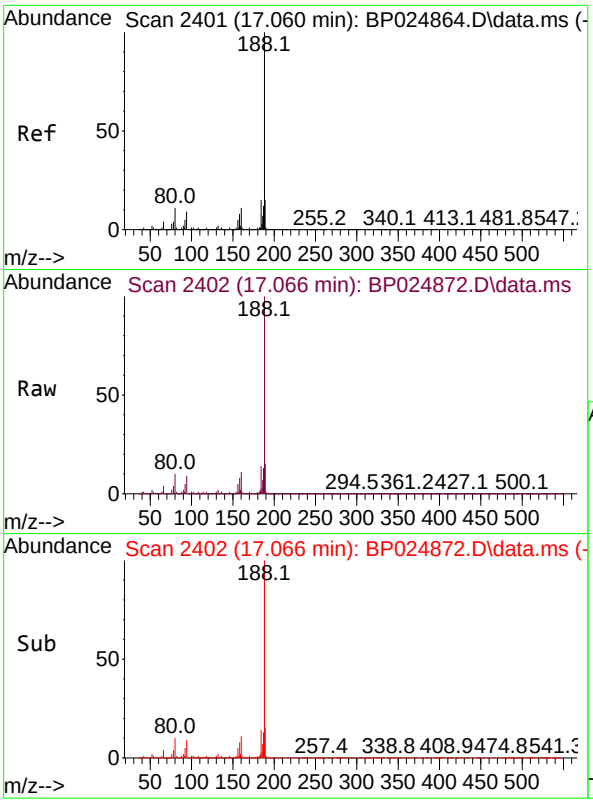


#45
2-Fluorobiphenyl
Concen: 84.296 ng
RT: 12.860 min Scan# 1687
Delta R.T. -0.000 min
Lab File: BP024872.D
Acq: 09 Jun 2025 11:24

Tgt Ion:172 Resp: 4102972

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.3	42.5
170	23.6	19.0	28.4



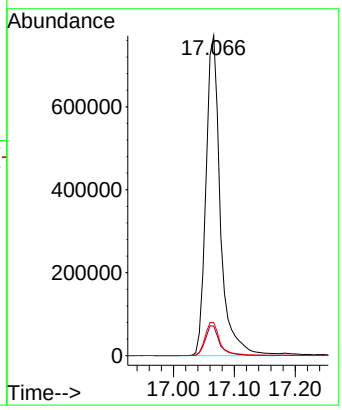


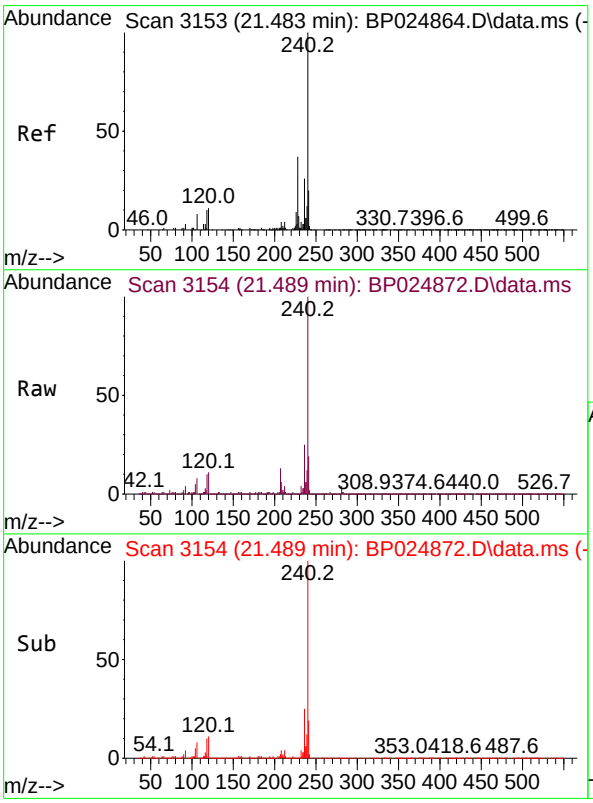
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.066 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024872.D
Acq: 09 Jun 2025 11:24

Instrument :
BNA_P
ClientSampleId :
PB168323BL

Tgt Ion:188 Resp: 1268484

Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.3	10.9
80	10.3	8.5	12.7

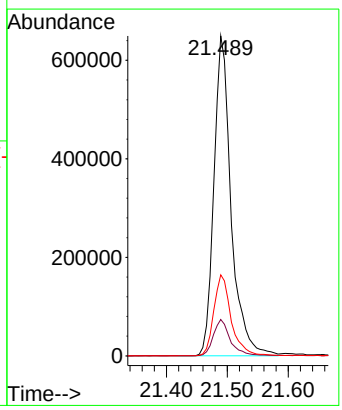


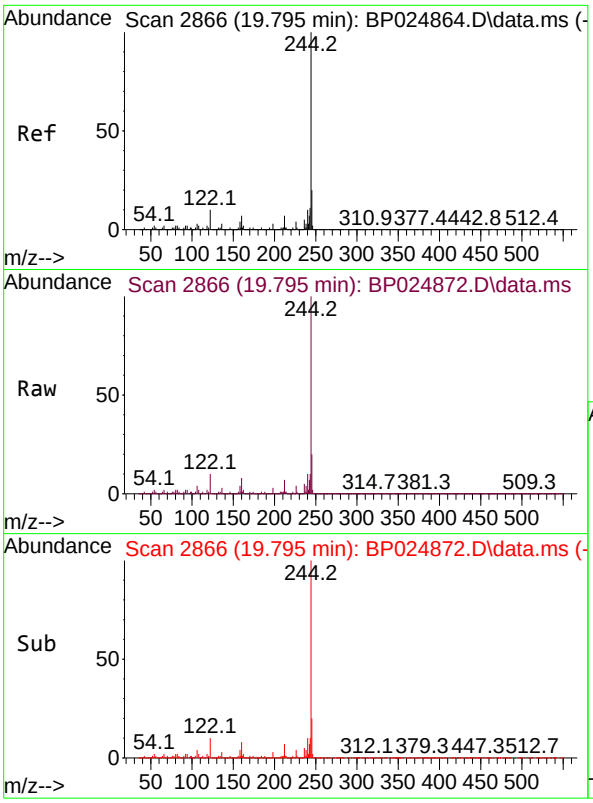


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.489 min Scan# 3154
Delta R.T. 0.006 min
Lab File: BP024872.D
Acq: 09 Jun 2025 11:24

Tgt Ion:240 Resp: 1277128

Ion	Ratio	Lower	Upper
240	100		
120	11.4	8.9	13.3
236	25.3	20.9	31.3



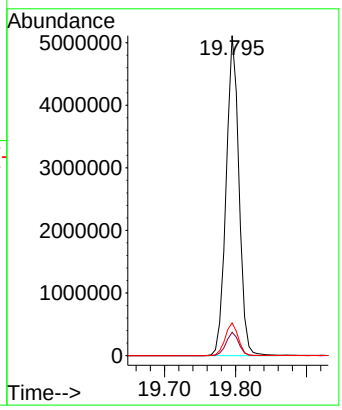


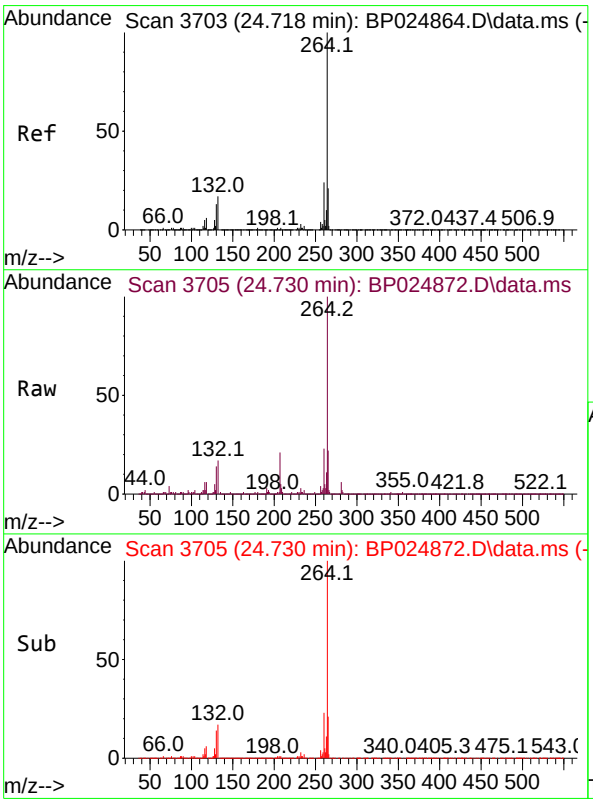
#79
Terphenyl-d14
Concen: 90.145 ng
RT: 19.795 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024872.D
Acq: 09 Jun 2025 11:24

Instrument :
BNA_P
ClientSampleId :
PB168323BL

Tgt Ion:244 Resp: 6423595

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.6	8.4
122	10.2	7.7	11.5

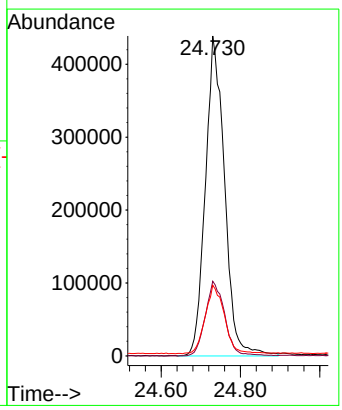




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.730 min Scan# 3705
Delta R.T. 0.012 min
Lab File: BP024872.D
Acq: 09 Jun 2025 11:24

Tgt Ion:264 Resp: 1472674

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.0	28.4
265	22.1	17.4	26.0



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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	
Client Sample ID:	PB168323BS	SDG No.:	Q2230
Lab Sample ID:	PB168323BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024873.D	1	06/06/25 08:35	06/09/25 12:05	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
91-20-3	Naphthalene	45.3		0.50	5.00	ug/L
208-96-8	Acenaphthylene	45.5		0.75	5.00	ug/L
83-32-9	Acenaphthene	45.2		0.55	5.00	ug/L
86-73-7	Fluorene	44.7		0.63	5.00	ug/L
85-01-8	Phenanthrene	45.8		0.50	5.00	ug/L
120-12-7	Anthracene	46.0		0.61	5.00	ug/L
206-44-0	Fluoranthene	45.9		0.82	5.00	ug/L
129-00-0	Pyrene	46.2		0.50	5.00	ug/L
56-55-3	Benzo(a)anthracene	46.6		0.45	5.00	ug/L
218-01-9	Chrysene	46.4		0.44	5.00	ug/L
205-99-2	Benzo(b)fluoranthene	47.3		0.49	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	47.5		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	47.7		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	47.4		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	47.6		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	47.6		0.69	5.00	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	79.4		67 - 132	79%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.9		52 - 132	78%	SPK: 100
1718-51-0	Terphenyl-d14	79.2		42 - 152	79%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	252000	7.608			
1146-65-2	Naphthalene-d8	1020000	10.378			
15067-26-2	Acenaphthene-d10	628000	14.248			
1517-22-2	Phenanthrene-d10	1190000	17.06			
1719-03-5	Chrysene-d12	1270000	21.483			
1520-96-3	Perylene-d12	1550000	24.724			

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

Report of Analysis

Client:	CDM Smith			Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY			Date Received:	
Client Sample ID:	PB168323BS			SDG No.:	Q2230
Lab Sample ID:	PB168323BS			Matrix:	Water
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group3
Extraction Type :		Decanted :	N	Level :	LOW
Injection Volume :		GPC Factor :	1.0	GPC Cleanup :	N PH :
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024873.D	1	06/06/25 08:35	06/09/25 12:05	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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\BP060925\
Data File : BP024873.D
Acq On : 09 Jun 2025 12:05
Operator : RC/JU
Sample : PB168323BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Quant Time: Jun 09 12:32:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	251786	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	1016039	20.000	ng	0.00
39) Acenaphthene-d10	14.248	164	628283	20.000	ng	0.00
64) Phenanthrene-d10	17.060	188	1189376	20.000	ng	0.00
76) Chrysene-d12	21.483	240	1268867	20.000	ng	0.00
86) Perylene-d12	24.724	264	1547954	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.243	112	2150315	142.554	ng	0.00
7) Phenol-d6	6.819	99	2717026	136.137	ng	0.00
23) Nitrobenzene-d5	8.760	82	1661117	79.445	ng	0.00
42) 2,4,6-Tribromophenol	15.778	330	1140597	131.309	ng	0.00
45) 2-Fluorobiphenyl	12.854	172	3633814	77.914	ng	0.00
79) Terphenyl-d14	19.777	244	5609281	79.230	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.172	88	239942	36.151	ng	97
3) Pyridine	3.567	79	632702	39.638	ng	99
4) n-Nitrosodimethylamine	3.478	42	294319	45.102	ng	100
6) Aniline	6.955	93	816918	32.074	ng	100
8) 2-Chlorophenol	7.190	128	832660	48.694	ng	98
9) Benzaldehyde	6.766	77	414614	36.042	ng	98
10) Phenol	6.843	94	1008585	49.021	ng	99
11) bis(2-Chloroethyl)ether	7.043	93	726397	44.889	ng	97
12) 1,3-Dichlorobenzene	7.502	146	833695	43.703	ng	99
13) 1,4-Dichlorobenzene	7.649	146	840877	43.687	ng	99
14) 1,2-Dichlorobenzene	7.955	146	821435	43.460	ng	99
15) Benzyl Alcohol	7.860	79	691313	45.133	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.131	45	912010	43.060	ng	100
17) 2-Methylphenol	8.072	107	681305	47.420	ng	99
18) Hexachloroethane	8.666	117	317537	43.819	ng	97
19) n-Nitroso-di-n-propyla...	8.413	70	568500	41.901	ng	99
20) 3+4-Methylphenols	8.396	107	915040	46.681	ng	96
22) Acetophenone	8.431	105	1160850	45.221	ng	98
24) Nitrobenzene	8.802	77	859288	46.259	ng	100
25) Isophorone	9.325	82	1564267	43.167	ng	100
26) 2-Nitrophenol	9.507	139	433908	47.343	ng	100
27) 2,4-Dimethylphenol	9.578	122	754390	48.094	ng	99
28) bis(2-Chloroethoxy)met...	9.796	93	977653	45.227	ng	99
29) 2,4-Dichlorophenol	10.054	162	741425	49.263	ng	99
30) 1,2,4-Trichlorobenzene	10.243	180	756797	44.582	ng	100
31) Naphthalene	10.431	128	2358732	45.301	ng	99
32) Benzoic acid	9.766	122	501882	47.349	ng	99
33) 4-Chloroaniline	10.554	127	443141	20.314	ng	99
34) Hexachlorobutadiene	10.707	225	459112	44.873	ng	99
35) Caprolactam	11.349	113	252952	45.658	ng	92
36) 4-Chloro-3-methylphenol	11.696	107	820968	47.292	ng	100
37) 2-Methylnaphthalene	12.048	142	1487861	45.048	ng	99
38) 1-Methylnaphthalene	12.266	142	1560851	44.203	ng	99
40) 1,2,4,5-Tetrachloroben...	12.419	216	822077	46.112	ng	99
41) Hexachlorocyclopentadiene	12.390	237	1097762	100.954	ng	99
43) 2,4,6-Trichlorophenol	12.678	196	577250	48.214	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024873.D
Acq On : 09 Jun 2025 12:05
Operator : RC/JU
Sample : PB168323BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Quant Time: Jun 09 12:32:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

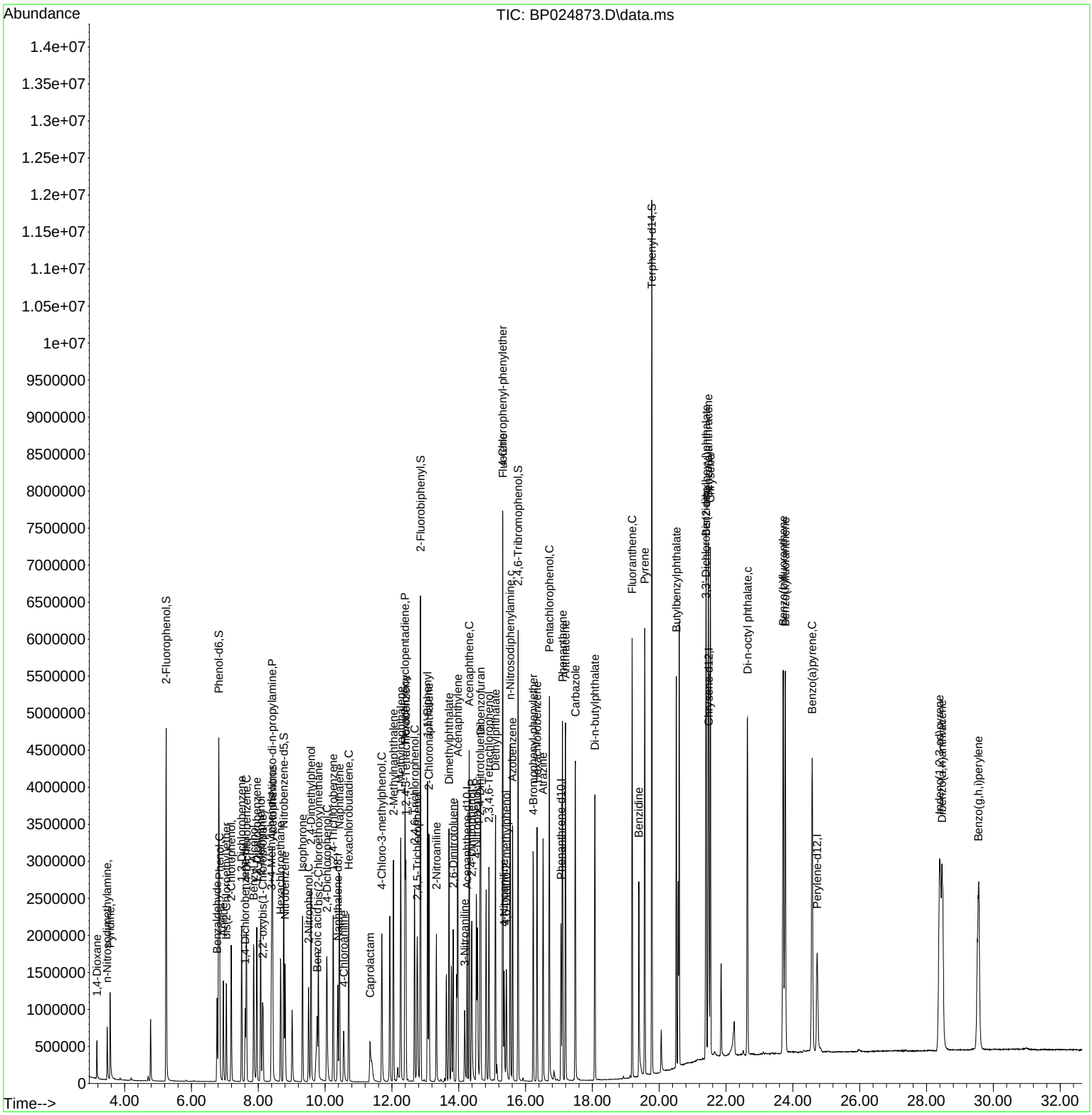
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.760	196	635990	49.602	ng		98
46) 1,1'-Biphenyl	13.066	154	2093200	45.844	ng		100
47) 2-Chloronaphthalene	13.107	162	1620819	46.187	ng		99
48) 2-Nitroaniline	13.331	65	521042	48.295	ng		99
49) Acenaphthylene	13.972	152	2661012	45.478	ng		100
50) Dimethylphthalate	13.707	163	2077480	44.824	ng		100
51) 2,6-Dinitrotoluene	13.837	165	461134	46.153	ng		100
52) Acenaphthene	14.313	154	1516438	45.227	ng		99
53) 3-Nitroaniline	14.178	138	268082	25.855	ng		92
54) 2,4-Dinitrophenol	14.390	184	594890	90.641	ng		98
55) Dibenzofuran	14.654	168	2381540	44.250	ng		97
56) 4-Nitrophenol	14.531	139	809101	91.350	ng		97
57) 2,4-Dinitrotoluene	14.637	165	656655	46.983	ng		97
58) Fluorene	15.319	166	1942620	44.681	ng		99
59) 2,3,4,6-Tetrachlorophenol	14.901	232	537424	46.912	ng		100
60) Diethylphthalate	15.101	149	2045901	44.293	ng		99
61) 4-Chlorophenyl-phenyle...	15.313	204	938236	44.135	ng		99
62) 4-Nitroaniline	15.360	138	424134	45.113	ng		98
63) Azobenzene	15.607	77	1915956	45.227	ng		99
65) 4,6-Dinitro-2-methylph...	15.425	198	378653	48.450	ng		94
66) n-Nitrosodiphenylamine	15.542	169	1726506	46.833	ng		99
67) 4-Bromophenyl-phenylether	16.231	248	614107	45.760	ng		98
68) Hexachlorobenzene	16.342	284	742281	45.626	ng		100
69) Atrazine	16.525	200	624545	46.732	ng		99
70) Pentachlorophenol	16.713	266	905521	107.544	ng		99
71) Phenanthrene	17.107	178	3008256	45.769	ng		99
72) Anthracene	17.195	178	3062015	46.000	ng		100
73) Carbazole	17.489	167	2922226	47.362	ng		99
74) Di-n-butylphthalate	18.072	149	3522628	46.080	ng		100
75) Fluoranthene	19.189	202	3495628	45.886	ng		100
77) Benzidine	19.389	184	1601949	40.763	ng		100
78) Pyrene	19.566	202	3666214	46.249	ng		100
80) Butylbenzylphthalate	20.513	149	1686399	46.444	ng		98
81) Benzo(a)anthracene	21.472	228	3780920	46.589	ng		99
82) 3,3'-Dichlorobenzidine	21.395	252	850267	26.391	ng		97
83) Chrysene	21.530	228	3570095	46.428	ng		100
84) Bis(2-ethylhexyl)phtha...	21.407	149	2473280	47.541	ng		99
85) Di-n-octyl phthalate	22.642	149	4412263	48.117	ng		100
87) Indeno(1,2,3-cd)pyrene	28.389	276	5348458	47.356	ng	#	93
88) Benzo(b)fluoranthene	23.713	252	4190360	47.301	ng		100
89) Benzo(k)fluoranthene	23.771	252	4281583	47.480	ng		100
90) Benzo(a)pyrene	24.577	252	4126678	47.699	ng		100
91) Dibenzo(a,h)anthracene	28.465	278	4377382	47.615	ng		99
92) Benzo(g,h,i)perylene	29.553	276	4343110	47.614	ng		99

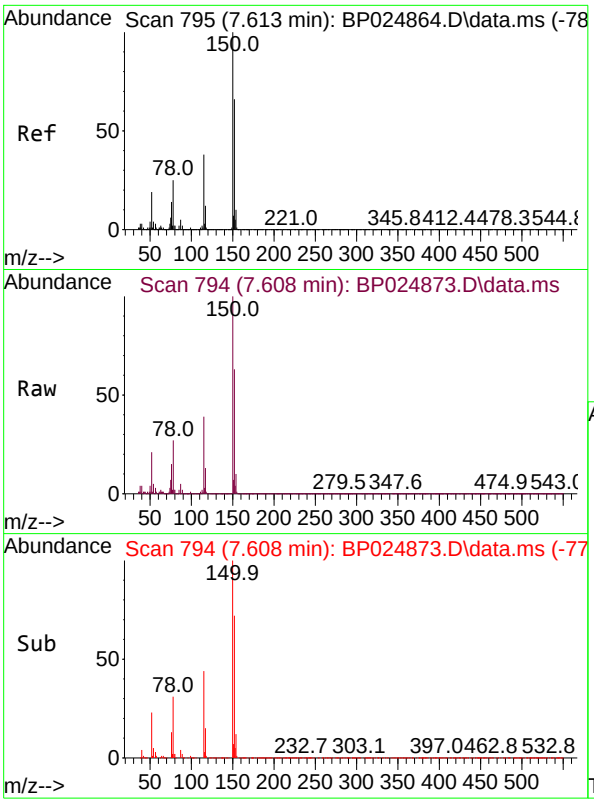
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024873.D
Acq On : 09 Jun 2025 12:05
Operator : RC/JU
Sample : PB168323BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Quant Time: Jun 09 12:32:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration



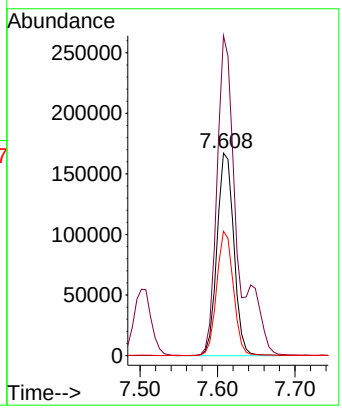


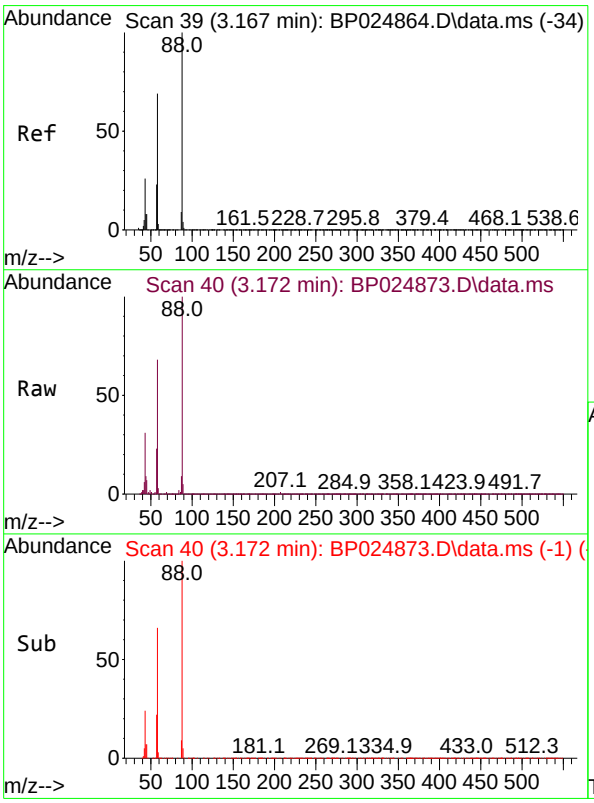
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 7
Delta R.T. -0.005 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:152 Resp: 251786

Ion	Ratio	Lower	Upper
152	100		
150	158.0	122.1	183.1
115	61.4	46.4	69.6

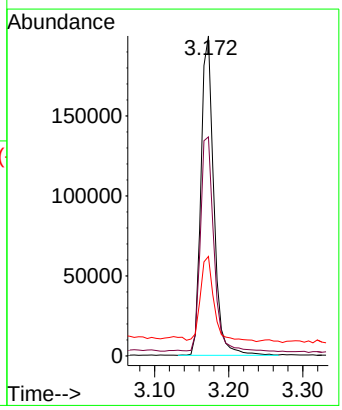


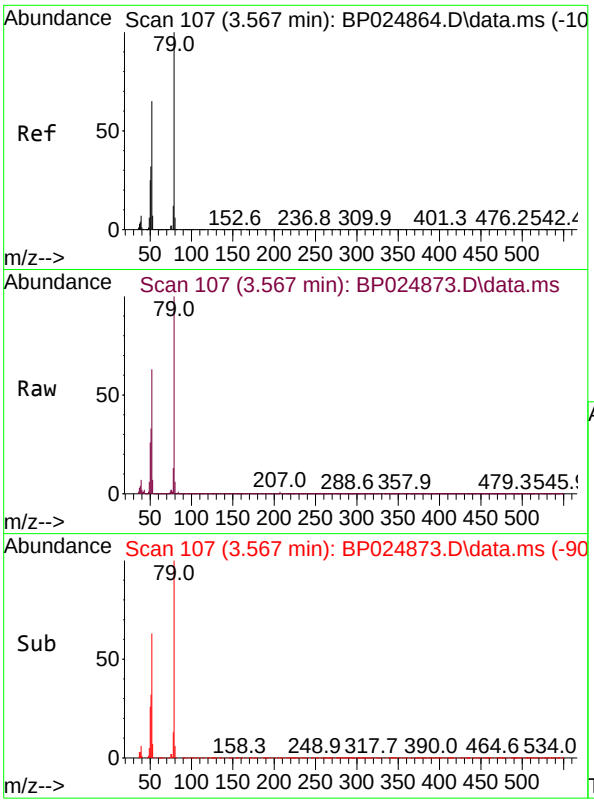


#2
1,4-Dioxane
Concen: 36.151 ng
RT: 3.172 min Scan# 40
Delta R.T. 0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion: 88 Resp: 239942

Ion	Ratio	Lower	Upper
88	100		
58	71.0	55.4	83.0
43	28.5	20.8	31.2



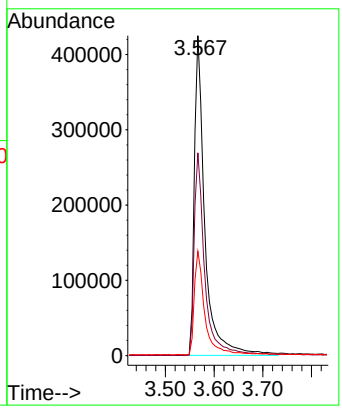


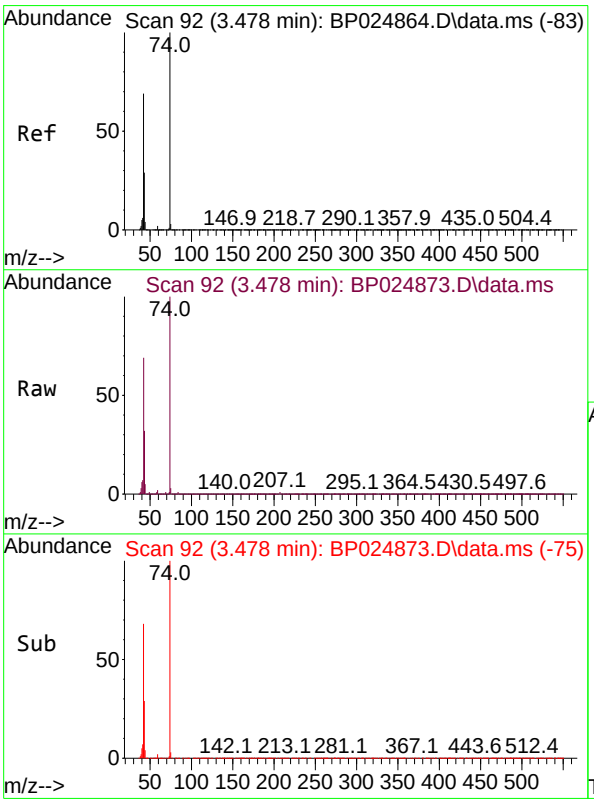
#3
Pyridine
Concen: 39.638 ng
RT: 3.567 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion: 79 Resp: 632702

Ion	Ratio	Lower	Upper
79	100		
52	63.4	51.6	77.4
51	32.6	25.5	38.3

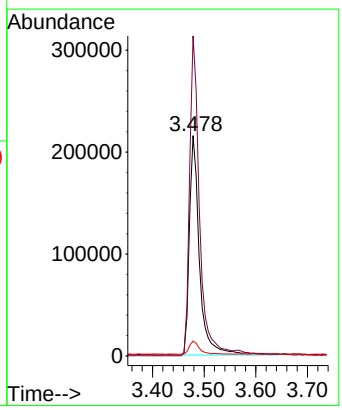


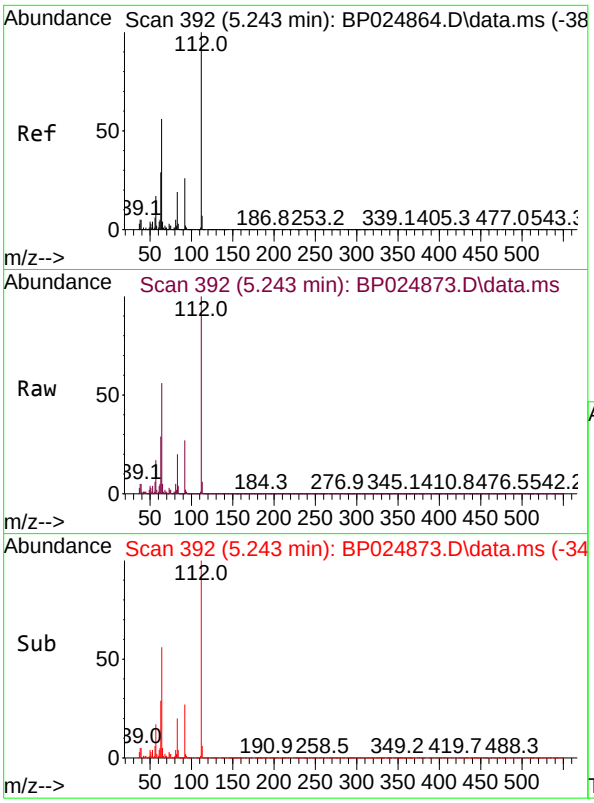


#4
n-Nitrosodimethylamine
Concen: 45.102 ng
RT: 3.478 min Scan# 92
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion: 42 Resp: 294319

Ion	Ratio	Lower	Upper
42	100		
74	145.3	116.6	174.8
44	6.7	5.4	8.0



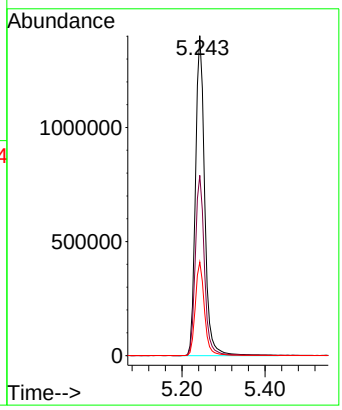


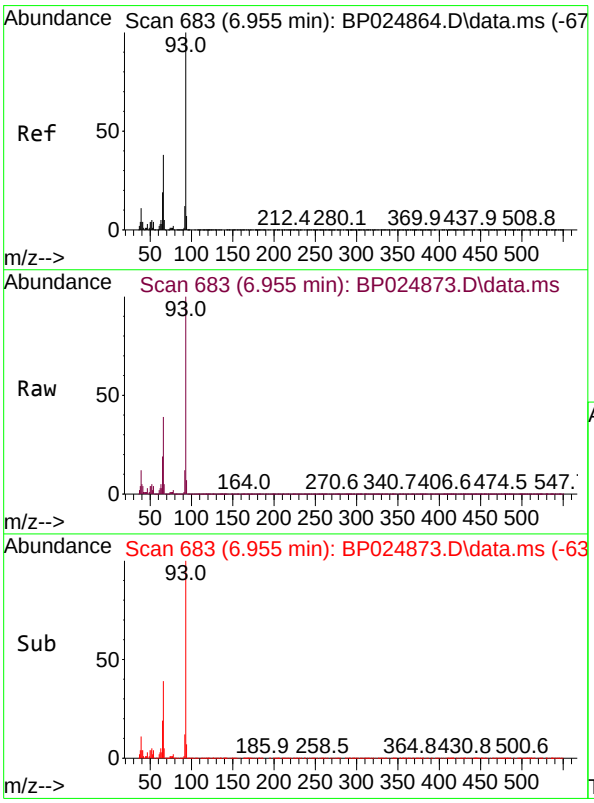
#5
2-Fluorophenol
Concen: 142.554 ng
RT: 5.243 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:112 Resp: 2150315

Ion	Ratio	Lower	Upper
112	100		
64	56.3	44.7	67.1
63	29.2	23.5	35.3

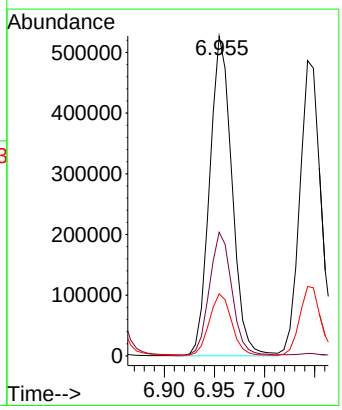


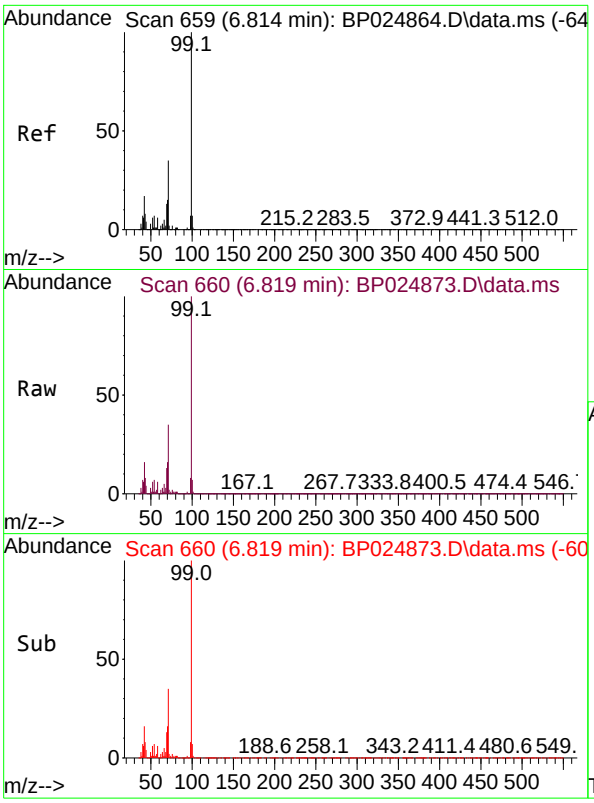


#6
Aniline
Concen: 32.074 ng
RT: 6.955 min Scan# 683
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion: 93 Resp: 816918

Ion	Ratio	Lower	Upper
93	100		
66	38.7	30.9	46.3
65	19.4	15.5	23.3



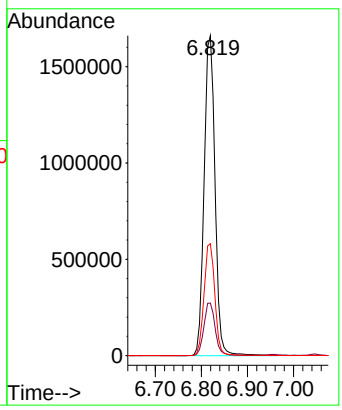


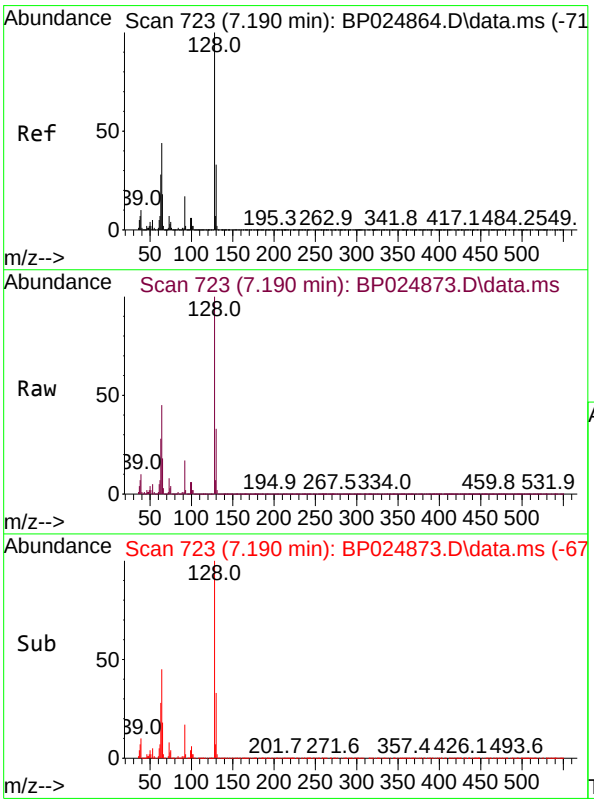
#7
Phenol-d6
Concen: 136.137 ng
RT: 6.819 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion: 99 Resp: 2717026

Ion	Ratio	Lower	Upper
99	100		
42	16.4	13.4	20.2
71	35.0	27.6	41.4

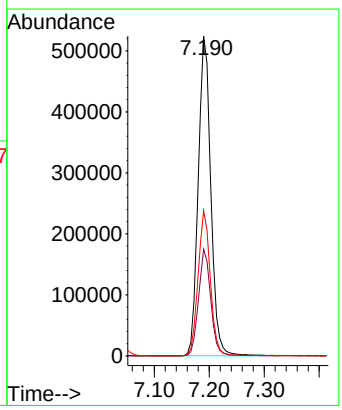


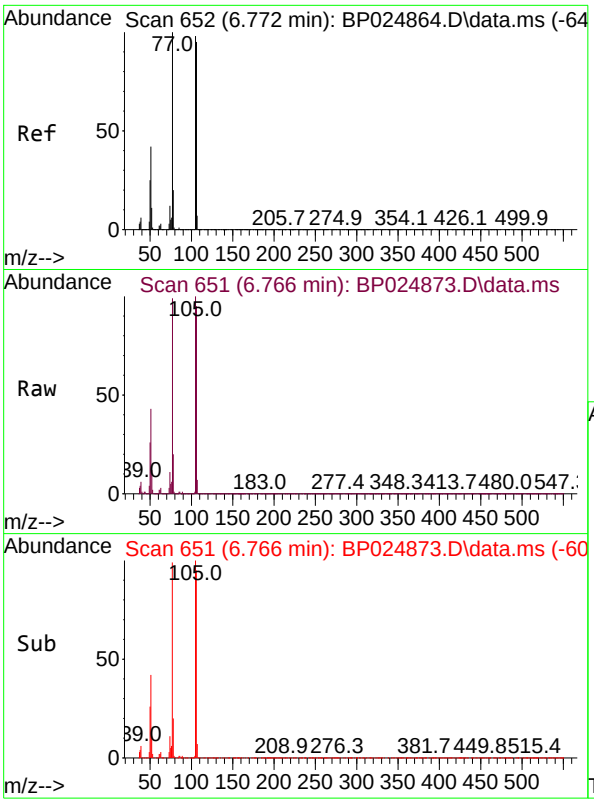


#8
2-Chlorophenol
Concen: 48.694 ng
RT: 7.190 min Scan# 723
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:128 Resp: 832660

Ion	Ratio	Lower	Upper
128	100		
130	33.3	12.6	52.6
64	45.4	24.1	64.1



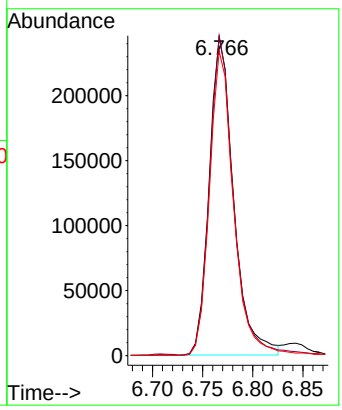


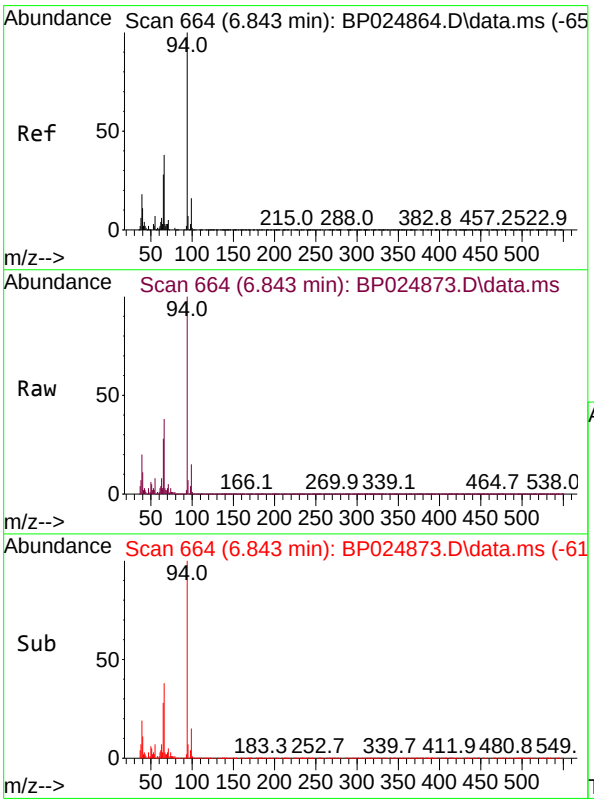
#9
Benzaldehyde
Concen: 36.042 ng
RT: 6.766 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion: 77 Resp: 414614

Ion	Ratio	Lower	Upper
77	100		
105	100.6	77.7	117.7
106	95.7	74.8	114.8

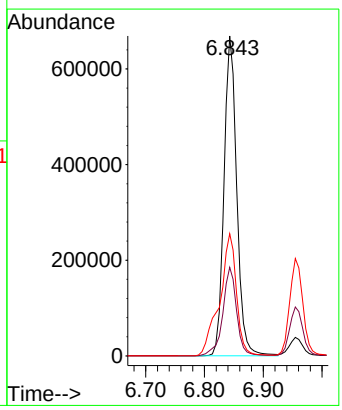


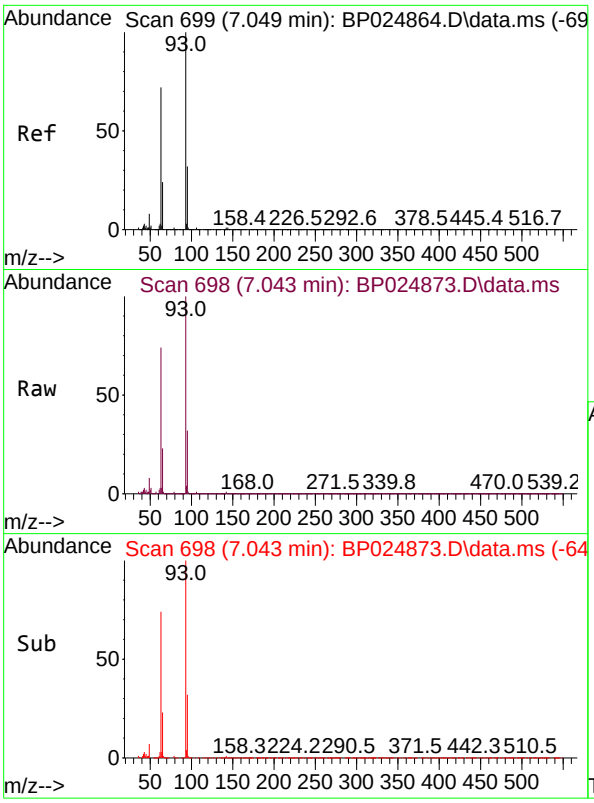


#10
Phenol
Concen: 49.021 ng
RT: 6.843 min Scan# 664
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion: 94 Resp: 1008585

Ion	Ratio	Lower	Upper
94	100		
65	27.7	8.3	48.3
66	38.2	18.2	58.2



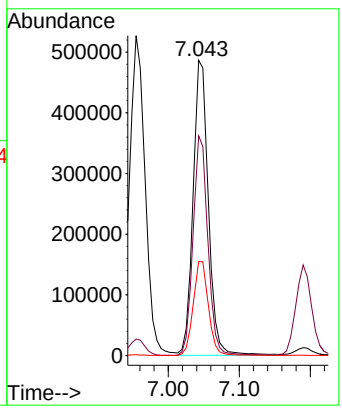


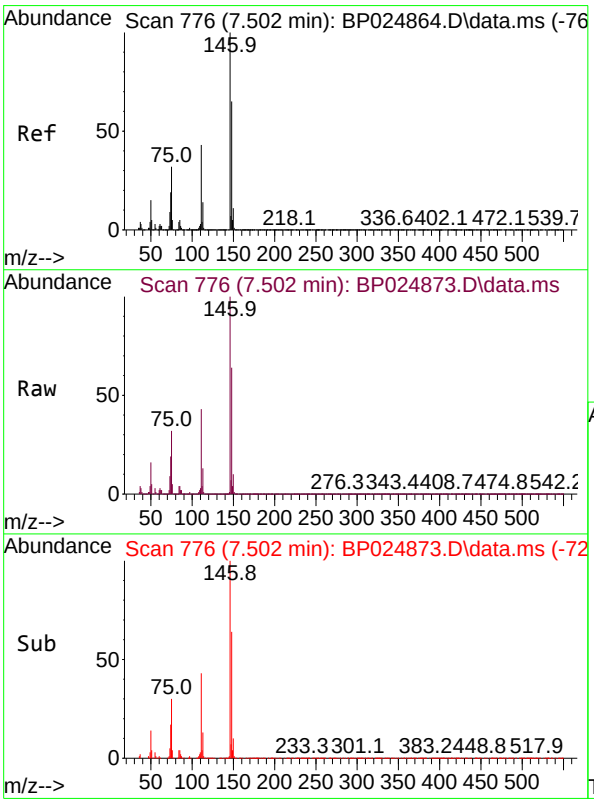
#11
bis(2-Chloroethyl)ether
Concen: 44.889 ng
RT: 7.043 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion: 93 Resp: 726397

Ion	Ratio	Lower	Upper
93	100		
63	74.4	51.6	91.6
95	31.8	12.1	52.1

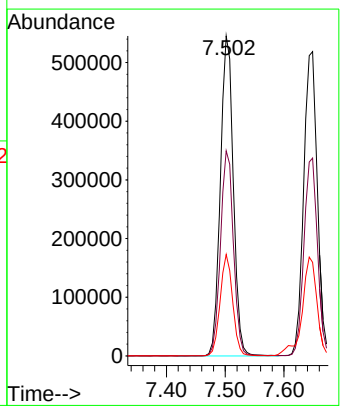


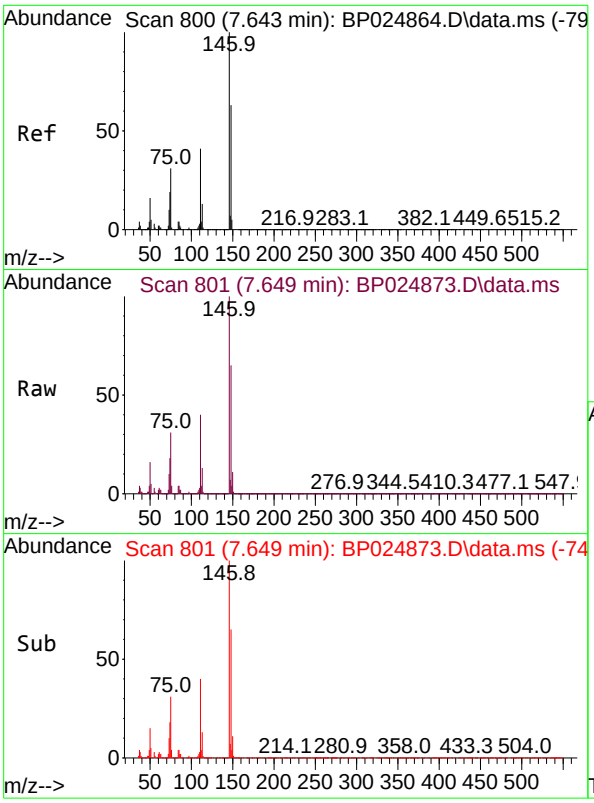


#12
1,3-Dichlorobenzene
Concen: 43.703 ng
RT: 7.502 min Scan# 776
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:146 Resp: 833695

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.8	77.8
75	31.7	25.3	37.9



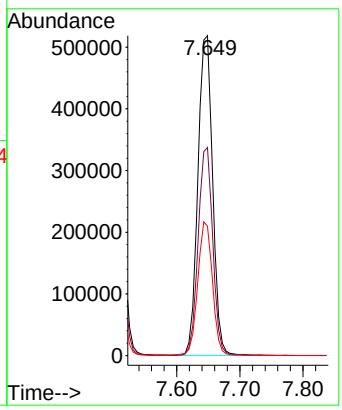


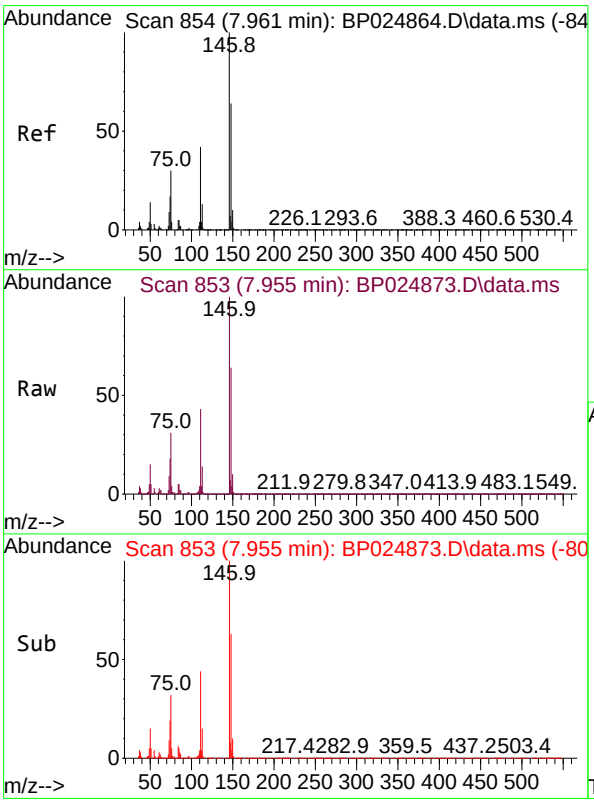
#13
1,4-Dichlorobenzene
Concen: 43.687 ng
RT: 7.649 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:146 Resp: 840877

Ion	Ratio	Lower	Upper
146	100		
148	65.0	50.8	76.2
111	40.4	32.7	49.1

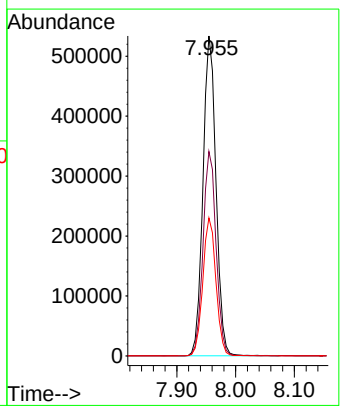


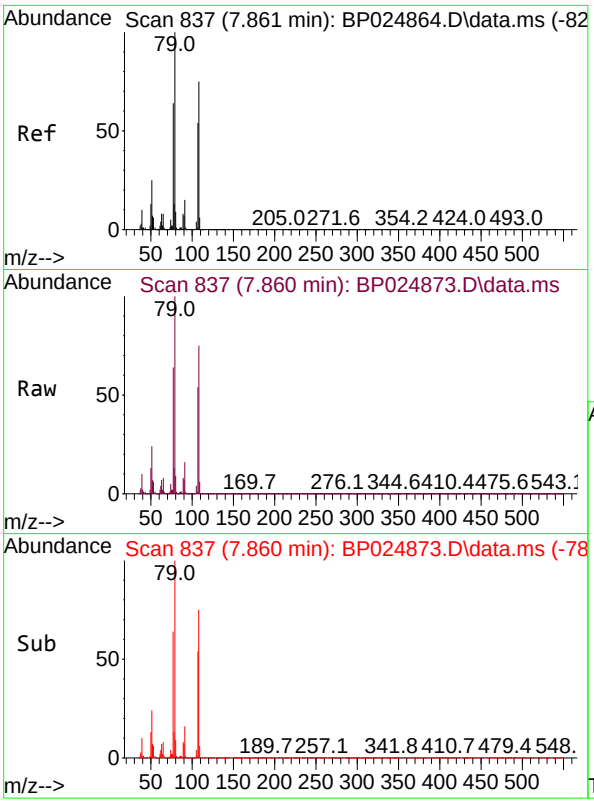


#14
1,2-Dichlorobenzene
Concen: 43.460 ng
RT: 7.955 min Scan# 853
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:146 Resp: 821435

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.0	76.4
111	43.1	33.8	50.8



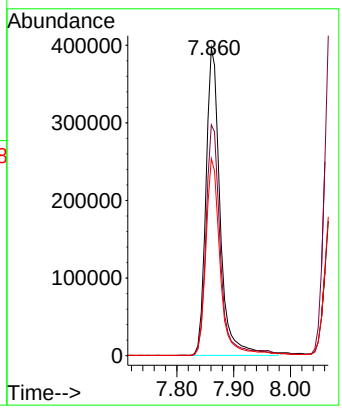


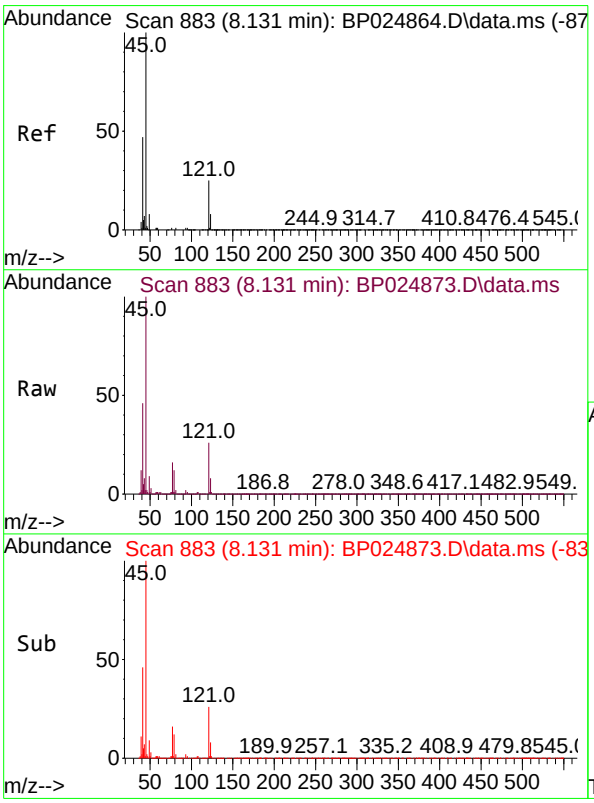
#15
Benzyl Alcohol
Concen: 45.133 ng
RT: 7.860 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion: 79 Resp: 691313

Ion	Ratio	Lower	Upper
79	100		
108	75.0	60.2	90.4
77	64.0	51.2	76.8

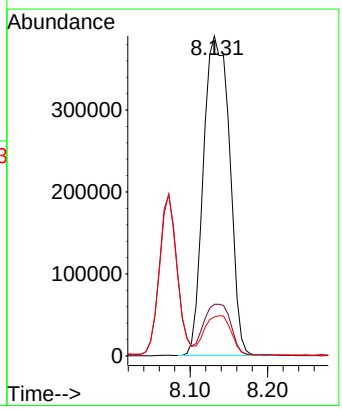


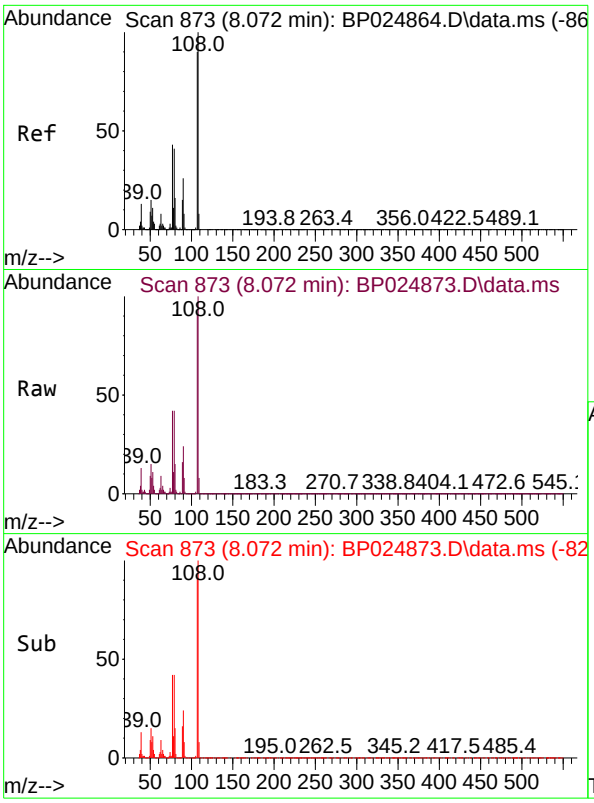


#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.060 ng
RT: 8.131 min Scan# 883
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion: 45 Resp: 912010

Ion	Ratio	Lower	Upper
45	100		
77	16.1	0.0	36.3
79	12.2	0.0	32.2



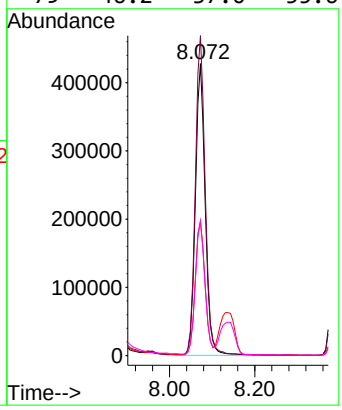


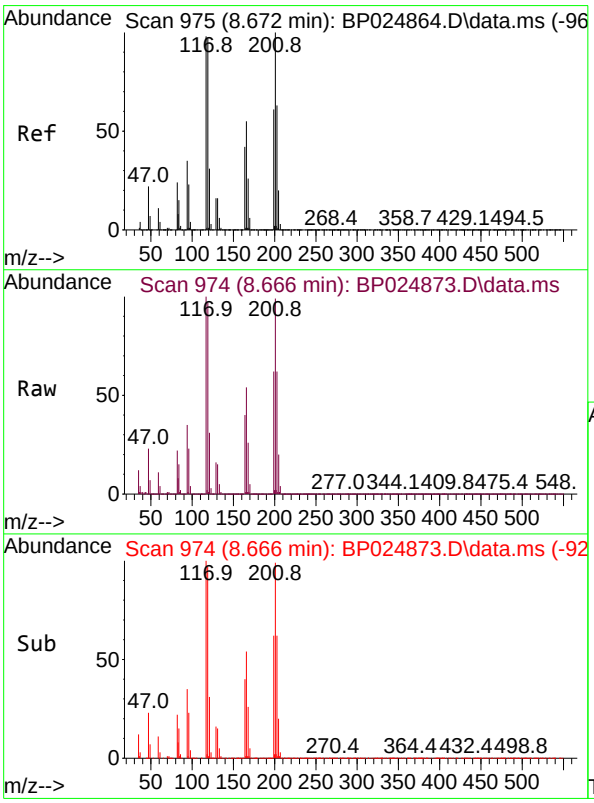
#17
2-Methylphenol
Concen: 47.420 ng
RT: 8.072 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:107 Resp: 681305

Ion	Ratio	Lower	Upper
107	100		
108	109.6	88.6	132.8
77	46.0	38.5	57.7
79	46.2	37.0	55.6

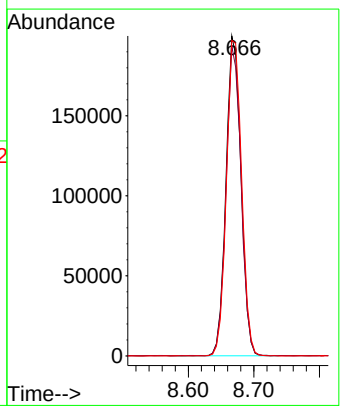


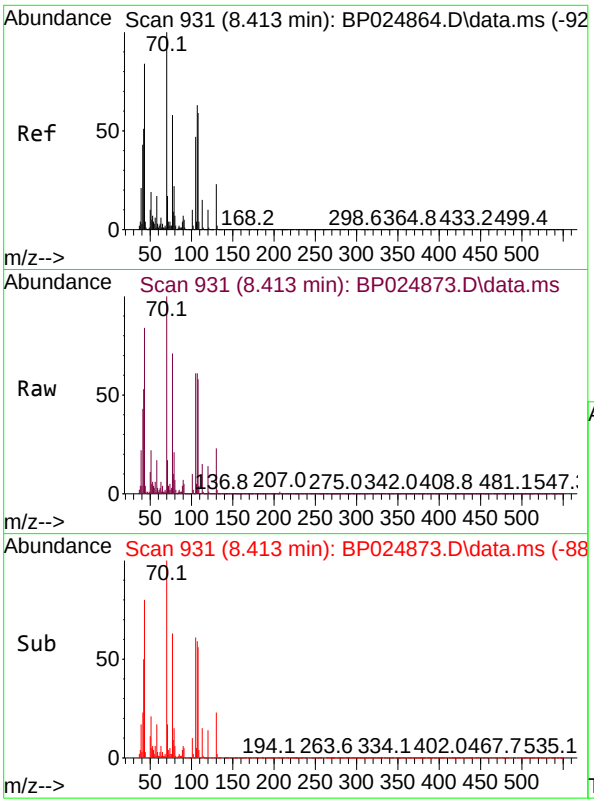


#18
Hexachloroethane
Concen: 43.819 ng
RT: 8.666 min Scan# 974
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:117 Resp: 317537

Ion	Ratio	Lower	Upper
117	100		
119	96.8	79.4	119.2
201	98.6	81.4	122.2



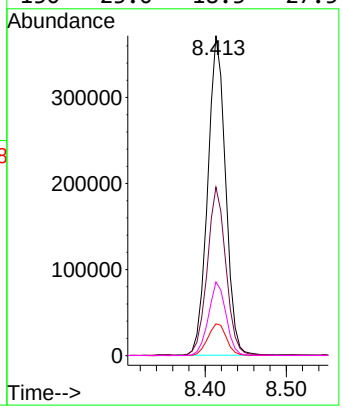


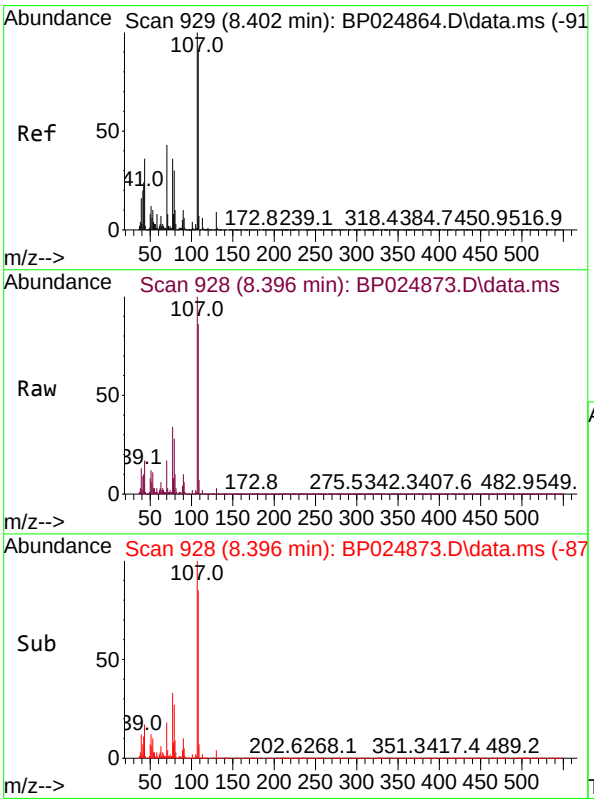
#19
n-Nitroso-di-n-propylamine
Concen: 41.901 ng
RT: 8.413 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion: 70 Resp: 568500

Ion	Ratio	Lower	Upper
70	100		
42	52.6	41.2	61.8
101	9.9	8.3	12.5
130	23.0	18.3	27.5

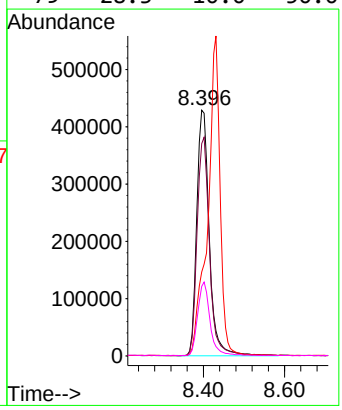


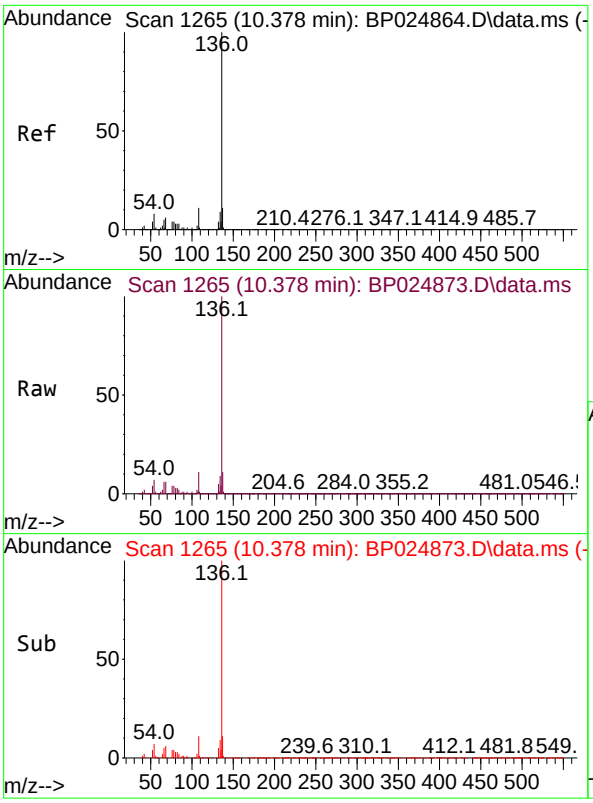


#20
3+4-Methylphenols
Concen: 46.681 ng
RT: 8.396 min Scan# 928
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:107 Resp: 915040

Ion	Ratio	Lower	Upper
107	100		
108	86.4	70.7	110.7
77	34.2	16.6	56.6
79	28.3	10.0	50.0



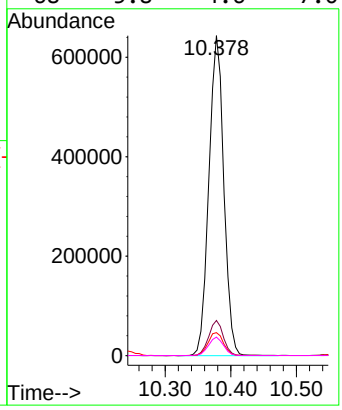


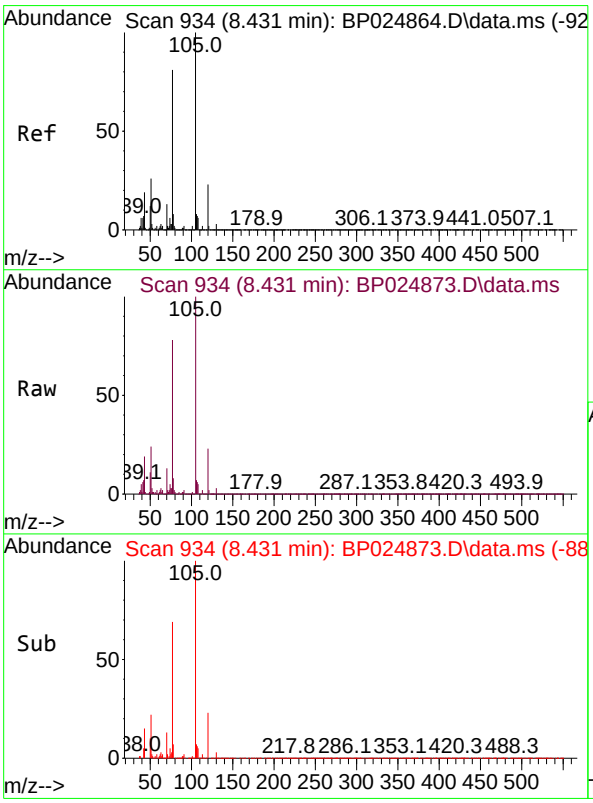
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:136 Resp: 1016039

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.2	6.1	9.1
68	5.8	4.6	7.0

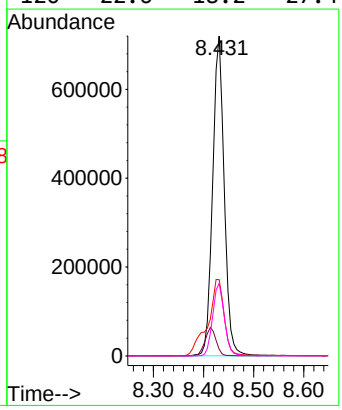


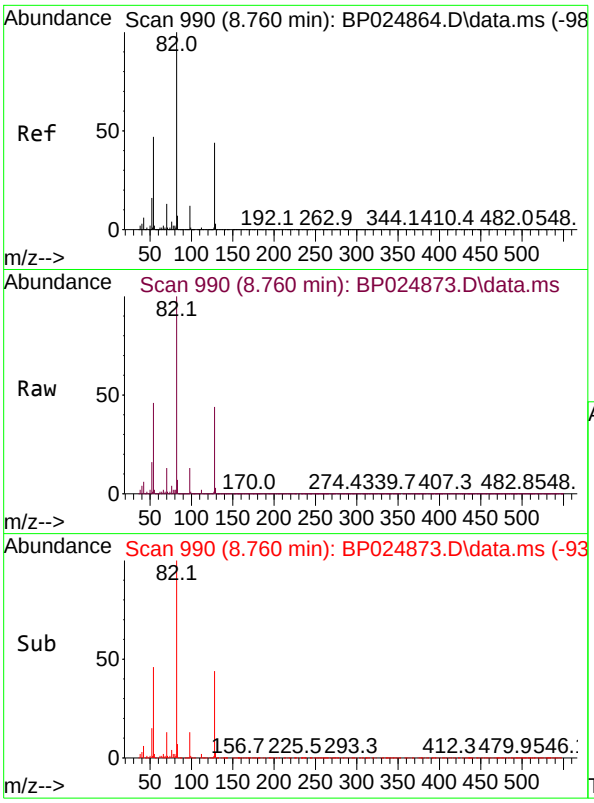


#22
Acetophenone
Concen: 45.221 ng
RT: 8.431 min Scan# 934
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:105 Resp: 1160850

Ion	Ratio	Lower	Upper
105	100		
71	2.1	1.6	2.4
51	23.8	20.6	31.0
120	22.6	18.2	27.4



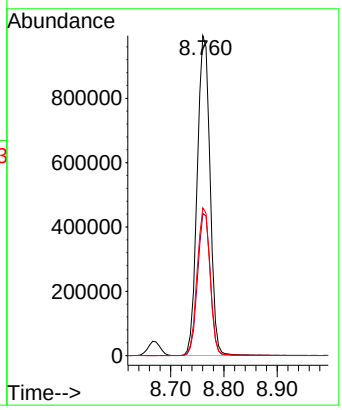


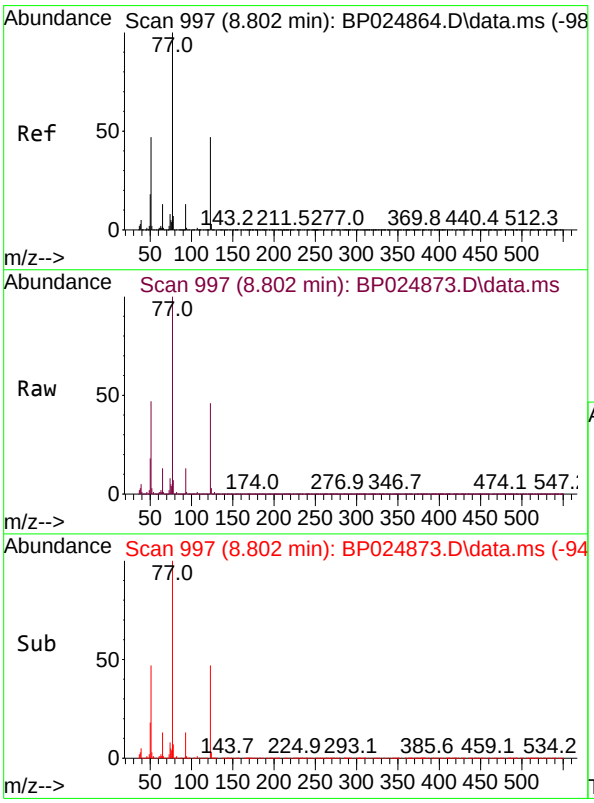
#23
Nitrobenzene-d5
Concen: 79.445 ng
RT: 8.760 min Scan# 99
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion: 82 Resp: 1661117

Ion	Ratio	Lower	Upper
82	100		
128	44.4	35.3	52.9
54	46.2	37.4	56.0

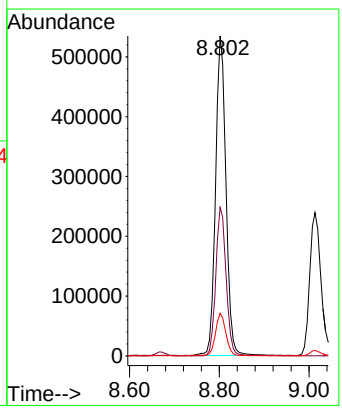


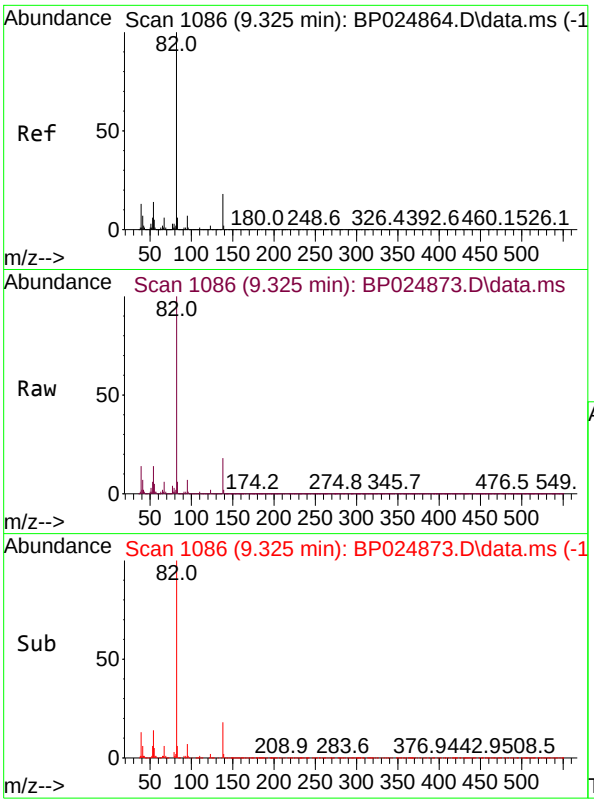


#24
Nitrobenzene
Concen: 46.259 ng
RT: 8.802 min Scan# 997
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion: 77 Resp: 859288

Ion	Ratio	Lower	Upper
77	100		
123	46.4	37.3	55.9
65	13.4	10.8	16.2



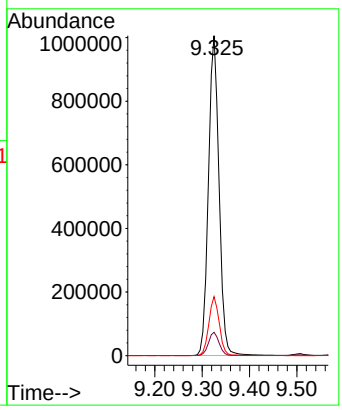


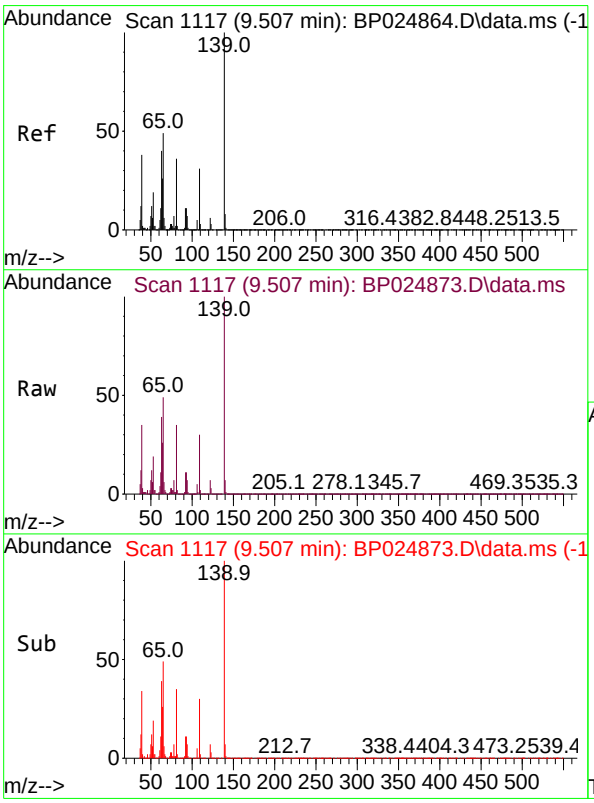
#25
Isophorone
Concen: 43.167 ng
RT: 9.325 min Scan# 10
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion: 82 Resp: 1564267

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.9	8.9
138	18.4	14.6	21.8

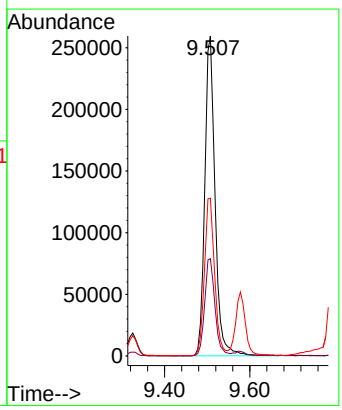


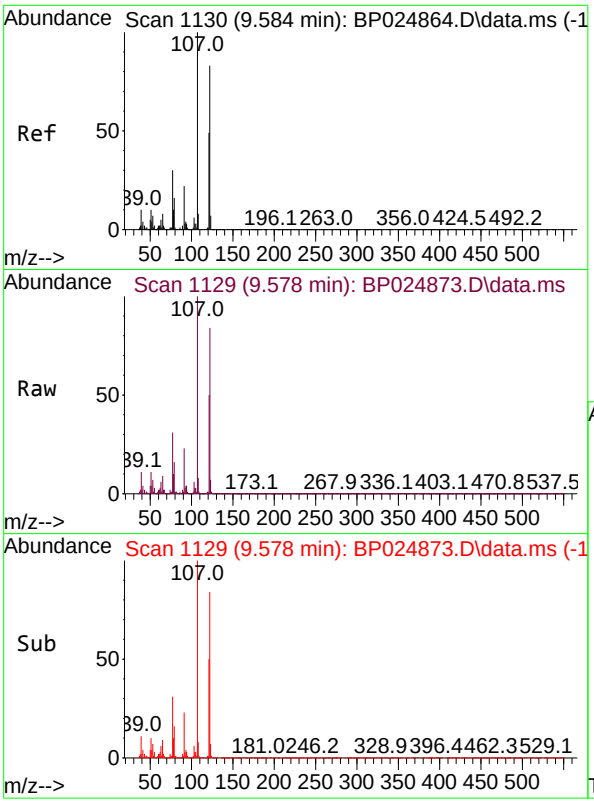


#26
2-Nitrophenol
Concen: 47.343 ng
RT: 9.507 min Scan# 1117
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:139 Resp: 433908

Ion	Ratio	Lower	Upper
139	100		
109	30.4	24.6	37.0
65	49.3	39.5	59.3



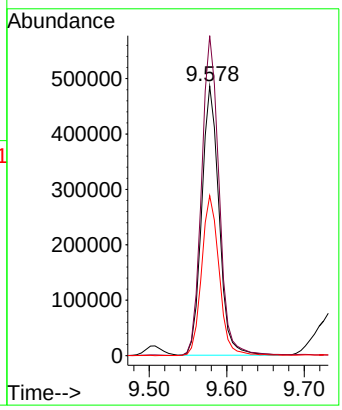


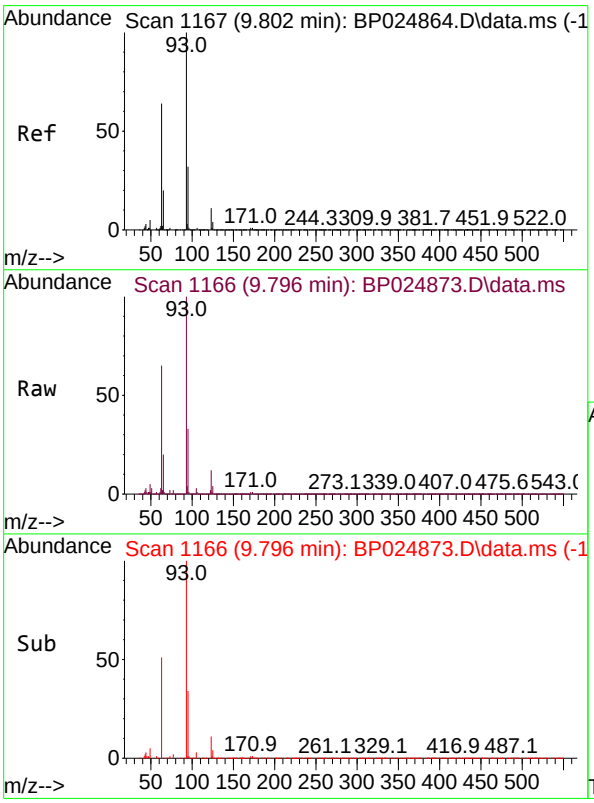
#27
2,4-Dimethylphenol
Concen: 48.094 ng
RT: 9.578 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:122 Resp: 754390

Ion	Ratio	Lower	Upper
122	100		
107	118.7	96.2	144.4
121	59.3	47.0	70.4

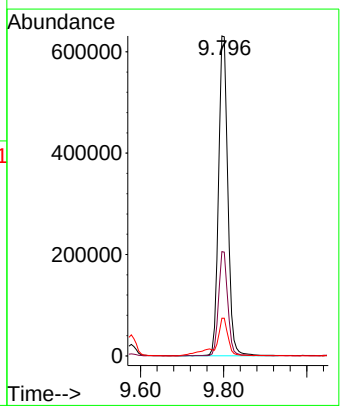


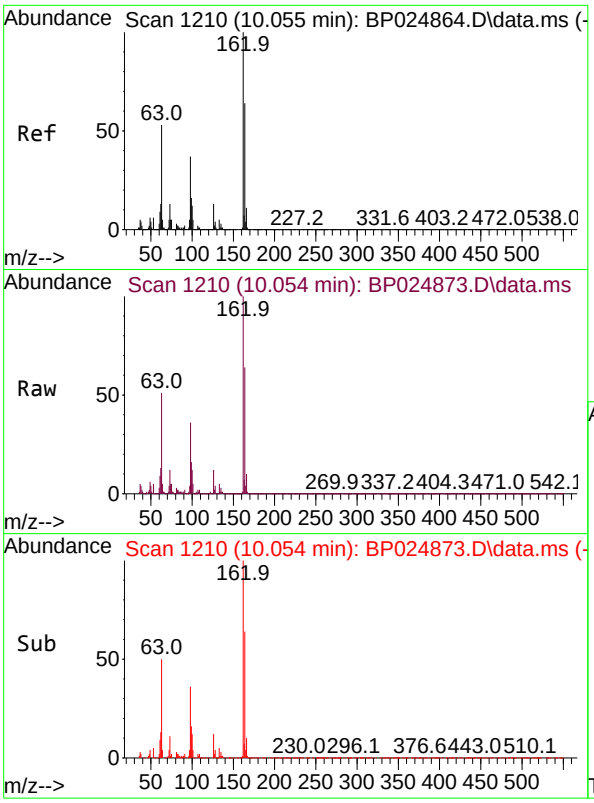


#28
bis(2-Chloroethoxy)methane
Concen: 45.227 ng
RT: 9.796 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion: 93 Resp: 977653

Ion	Ratio	Lower	Upper
93	100		
95	32.6	25.5	38.3
123	11.8	9.2	13.8



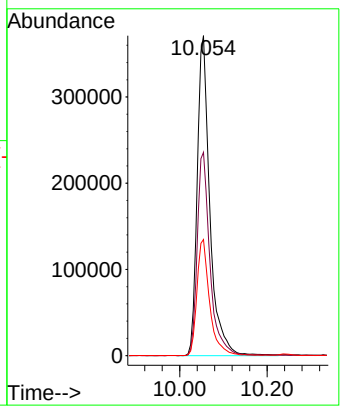


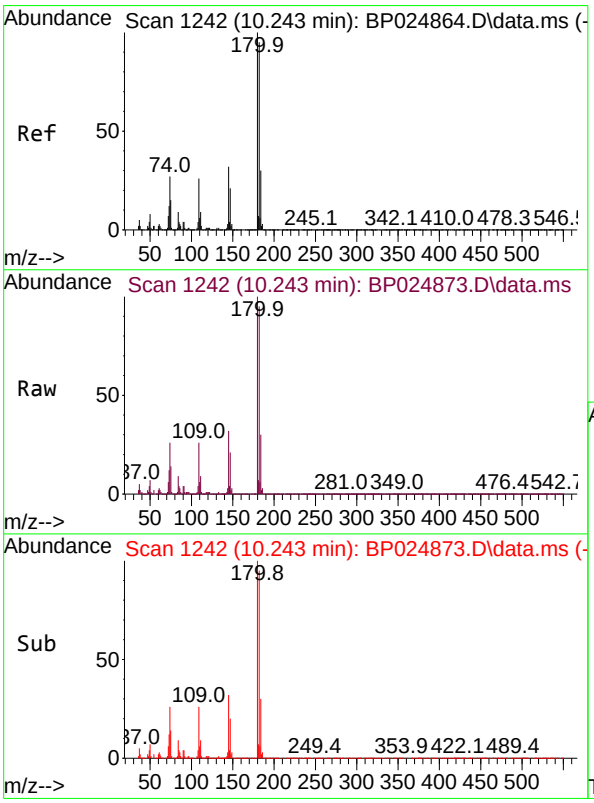
#29
2,4-Dichlorophenol
Concen: 49.263 ng
RT: 10.054 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:162 Resp: 741425

Ion	Ratio	Lower	Upper
162	100		
164	63.5	44.0	84.0
98	36.3	16.9	56.9

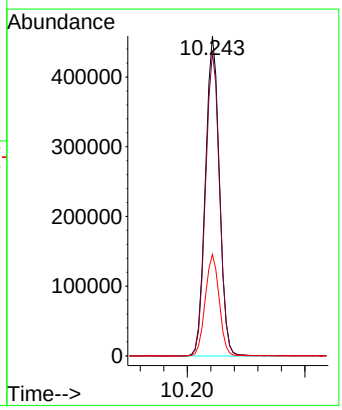


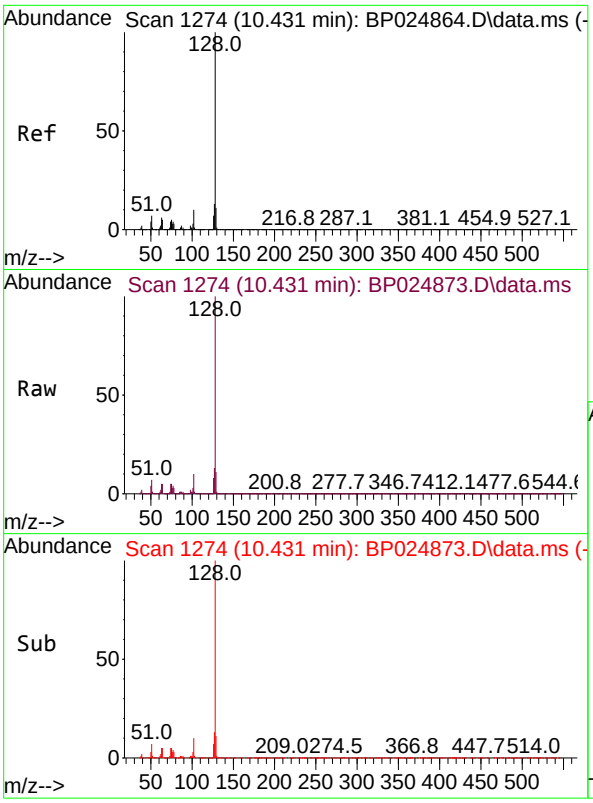


#30
1,2,4-Trichlorobenzene
Concen: 44.582 ng
RT: 10.243 min Scan# 1242
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:180 Resp: 756797

Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.8	113.6
145	31.7	25.7	38.5



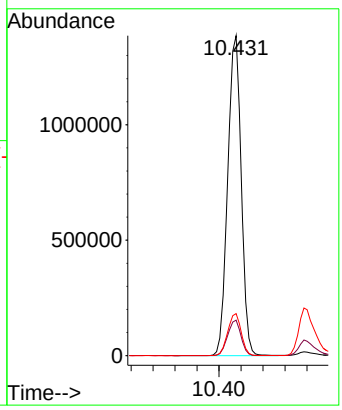


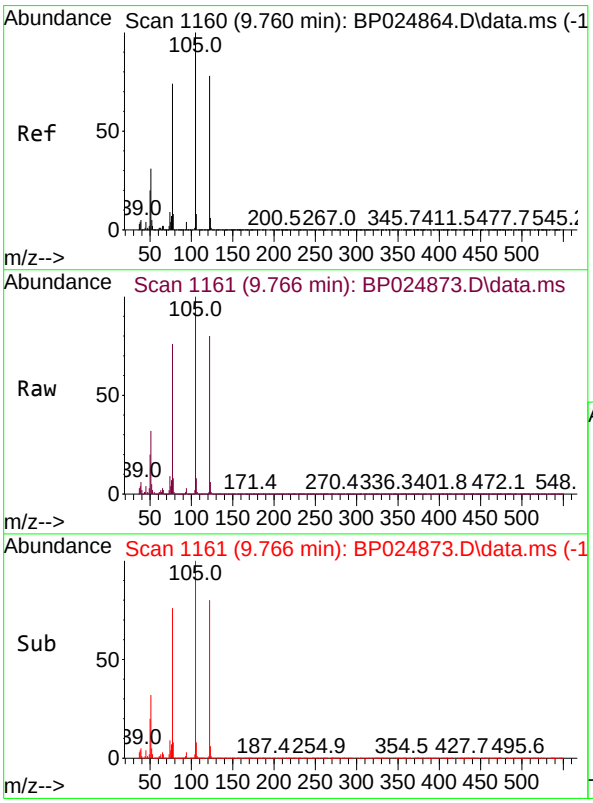
#31
Naphthalene
Concen: 45.301 ng
RT: 10.431 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:128 Resp: 2358732

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.7	13.1
127	13.1	10.7	16.1

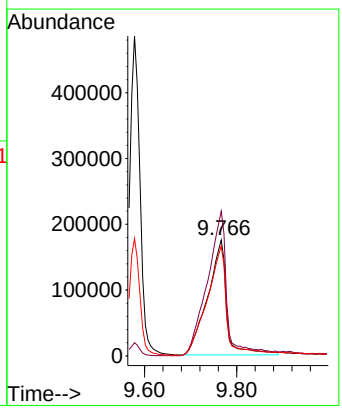


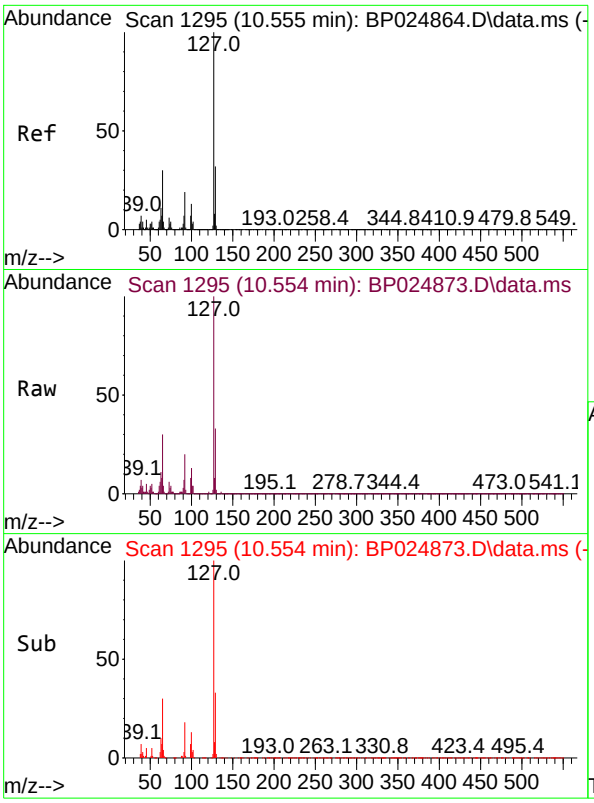


#32
Benzoic acid
Concen: 47.349 ng
RT: 9.766 min Scan# 1161
Delta R.T. 0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:122 Resp: 501882

Ion	Ratio	Lower	Upper
122	100		
105	125.0	107.1	147.1
77	94.7	75.1	115.1



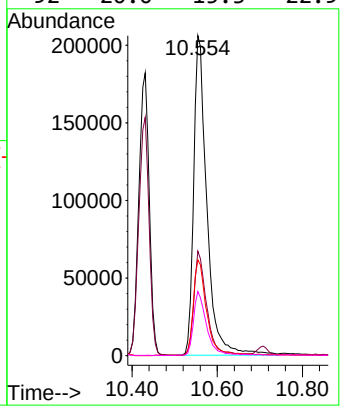


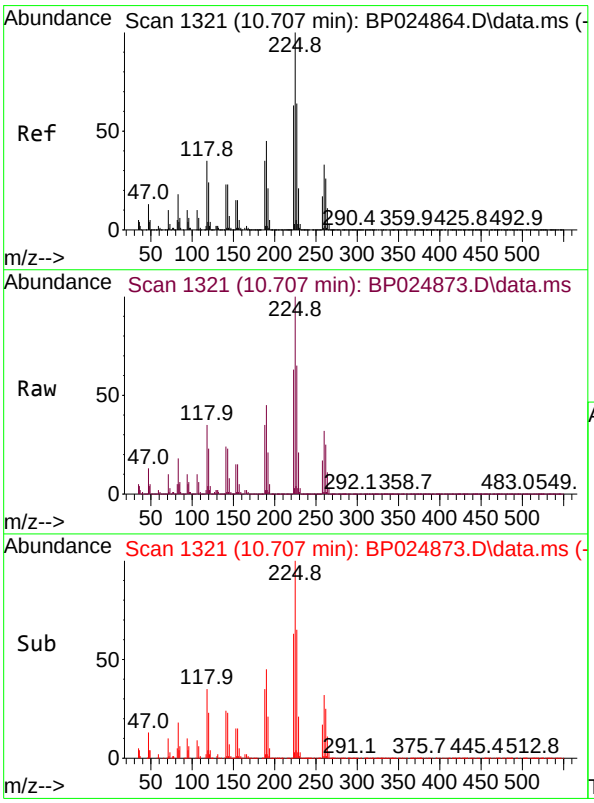
#33
4-Chloroaniline
Concen: 20.314 ng
RT: 10.554 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:127 Resp: 443141

Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.9	38.9
65	29.9	23.9	35.9
92	20.0	15.3	22.9

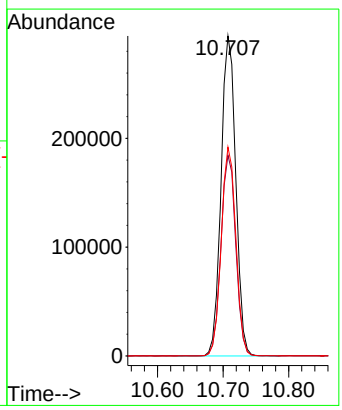


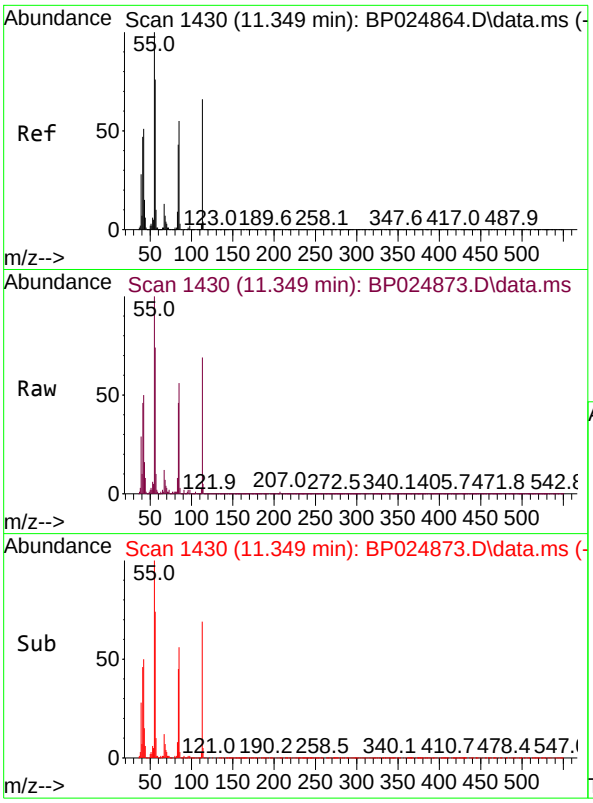


#34
Hexachlorobutadiene
Concen: 44.873 ng
RT: 10.707 min Scan# 1321
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:225 Resp: 459112

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.5	75.7
227	65.2	51.4	77.2



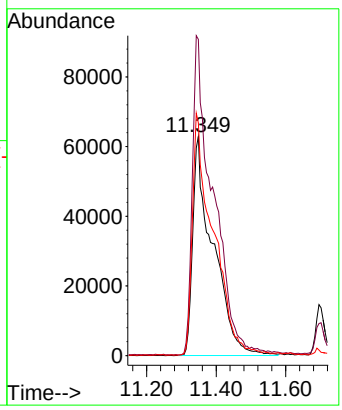


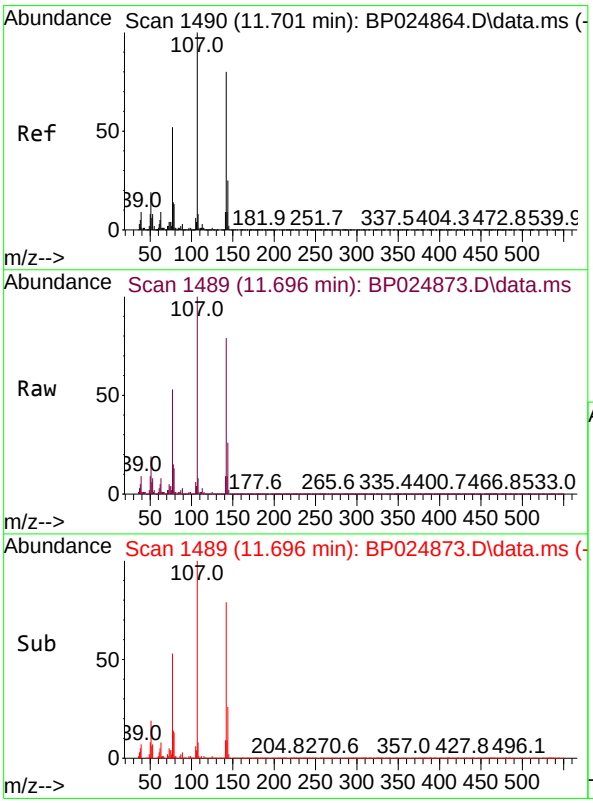
#35
Caprolactam
Concen: 45.658 ng
RT: 11.349 min Scan# 14
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:113 Resp: 252952

Ion	Ratio	Lower	Upper
113	100		
55	144.3	132.5	172.5
56	106.2	96.0	136.0

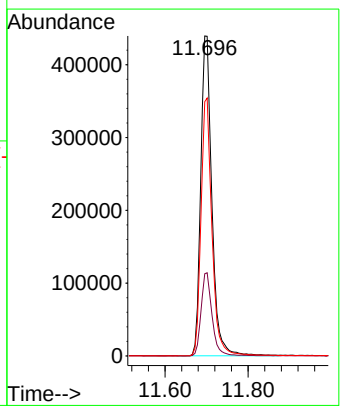


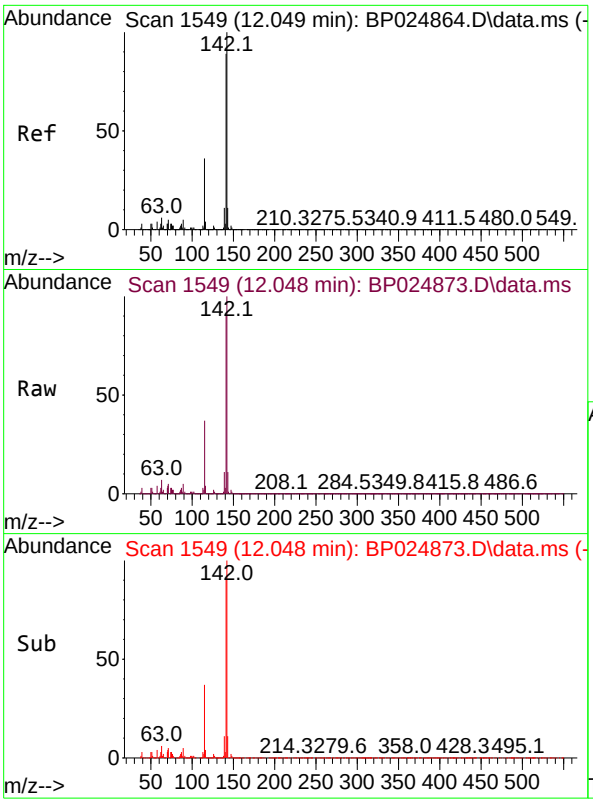


#36
4-Chloro-3-methylphenol
Concen: 47.292 ng
RT: 11.696 min Scan# 1489
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:107 Resp: 820968

Ion	Ratio	Lower	Upper
107	100		
144	25.7	20.4	30.6
142	79.4	63.8	95.6



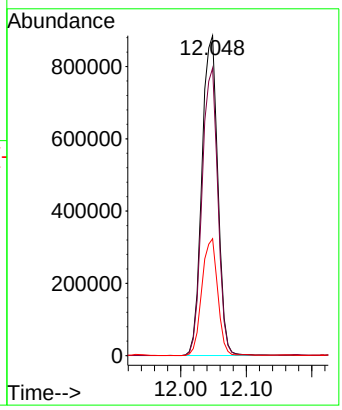


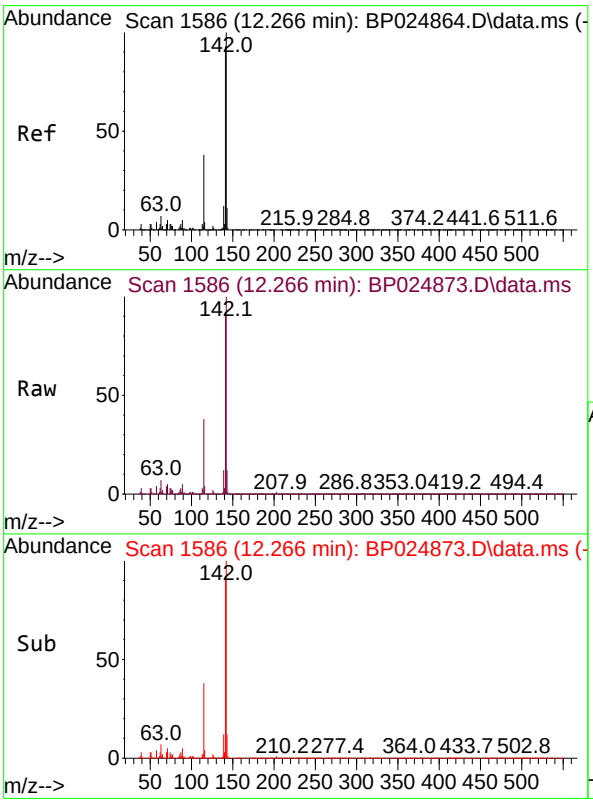
#37
2-Methylnaphthalene
Concen: 45.048 ng
RT: 12.048 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:142 Resp: 1487861

Ion	Ratio	Lower	Upper
142	100		
141	89.8	71.2	106.8
115	36.5	28.5	42.7

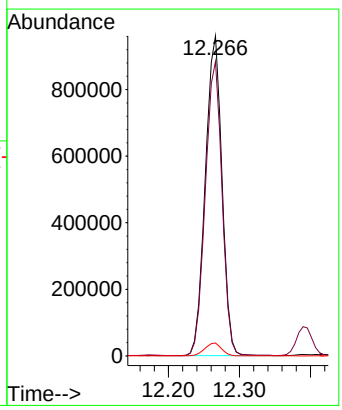


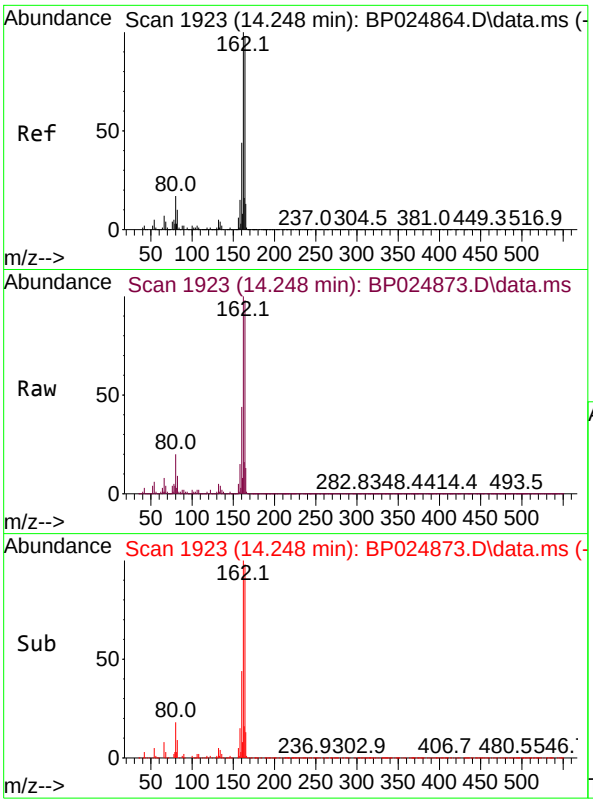


#38
1-Methylnaphthalene
Concen: 44.203 ng
RT: 12.266 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:142 Resp: 1560851

Ion	Ratio	Lower	Upper
142	100		
141	92.0	74.7	112.1
116	4.0	3.4	5.0



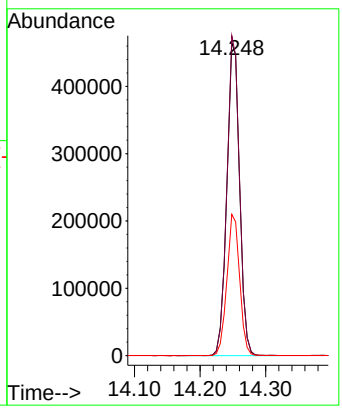


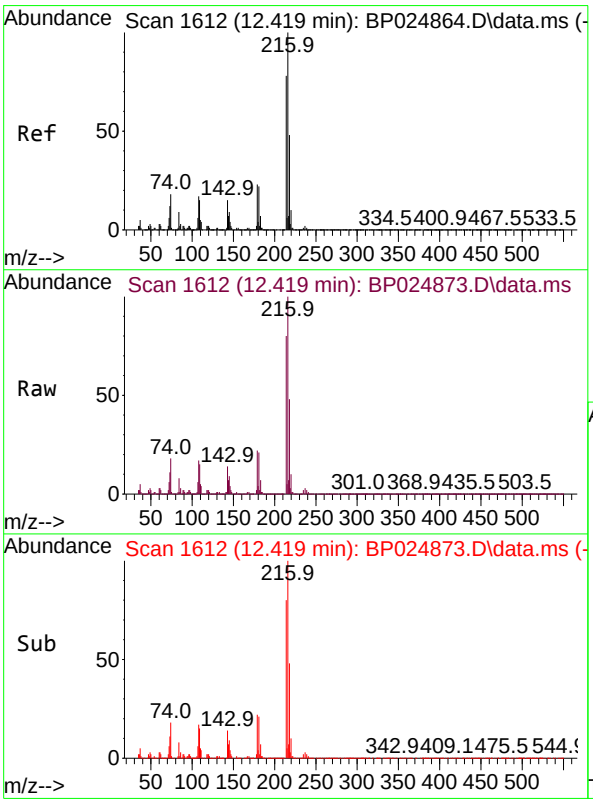
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.248 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:164 Resp: 628283

Ion	Ratio	Lower	Upper
164	100		
162	102.3	81.6	122.4
160	45.1	36.2	54.2

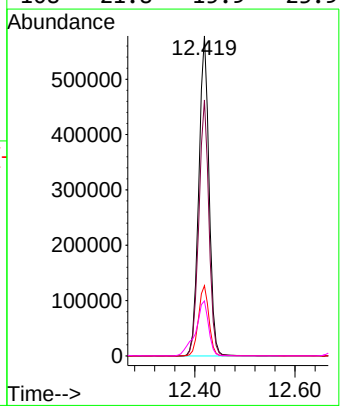


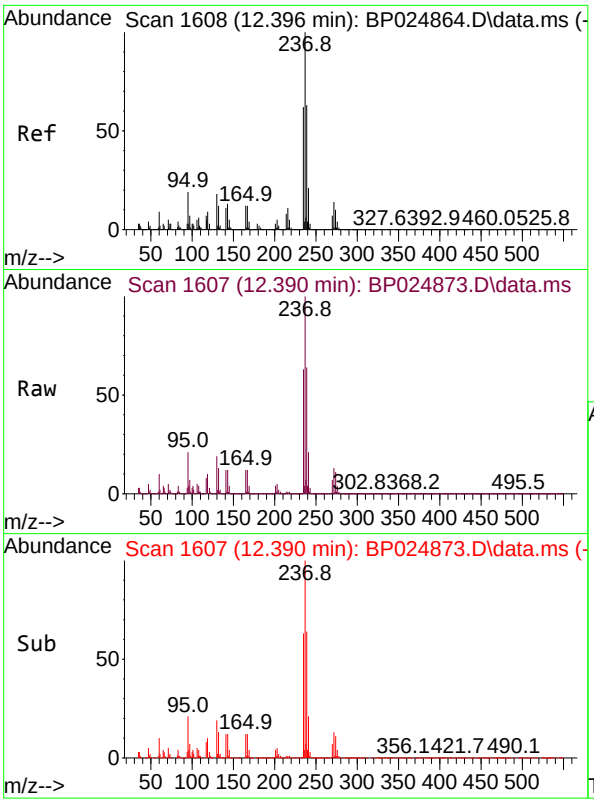


#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.112 ng
RT: 12.419 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:216 Resp: 822077

Ion	Ratio	Lower	Upper
216	100		
214	78.8	63.0	94.4
179	22.2	17.8	26.6
108	21.8	15.9	23.9



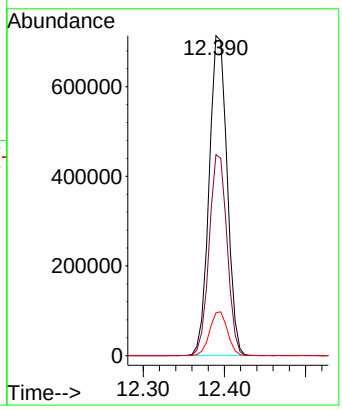


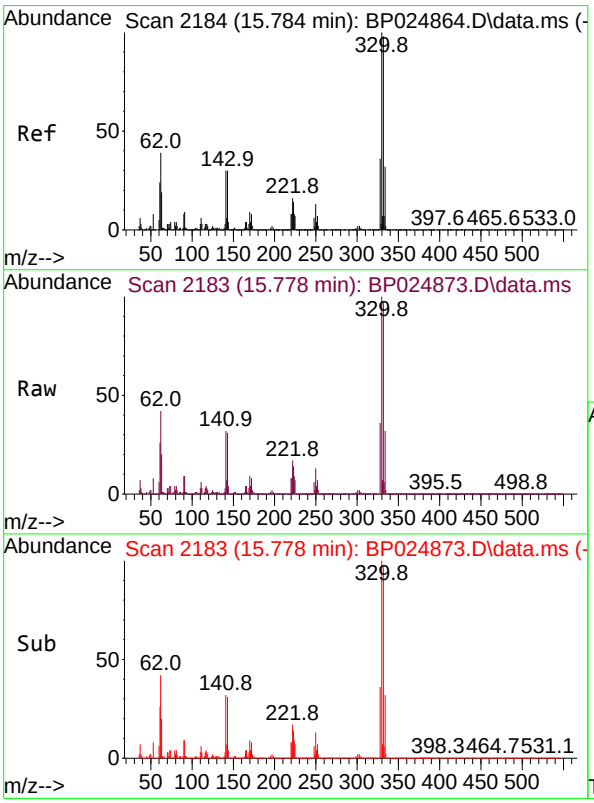
#41
Hexachlorocyclopentadiene
Concen: 100.954 ng
RT: 12.390 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:237 Resp: 1097762

Ion	Ratio	Lower	Upper
237	100		
235	62.8	41.9	81.9
272	13.4	0.0	33.7

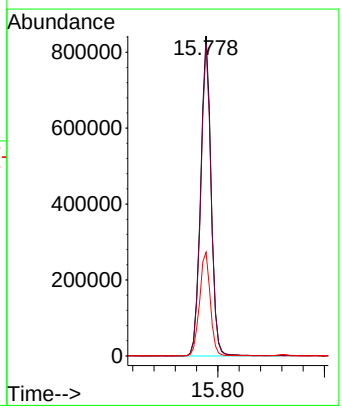


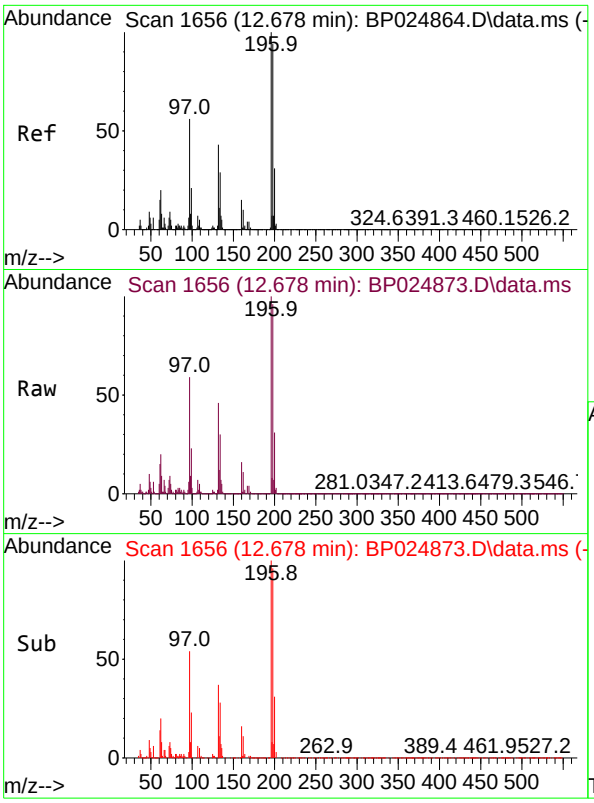


#42
2,4,6-Tribromophenol
Concen: 131.309 ng
RT: 15.778 min Scan# 2183
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:330 Resp: 1140597

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.7	116.5
141	33.2	26.4	39.6



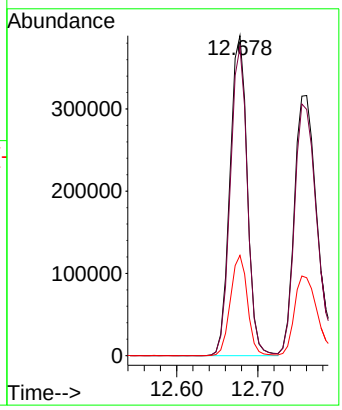


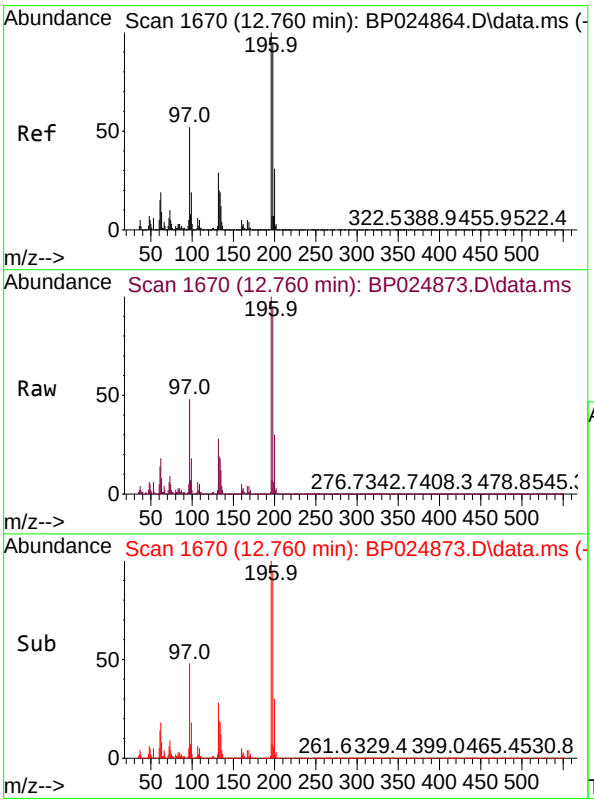
#43
2,4,6-Trichlorophenol
Concen: 48.214 ng
RT: 12.678 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:196 Resp: 577250

Ion	Ratio	Lower	Upper
196	100		
198	96.4	75.4	113.0
200	31.3	24.4	36.6

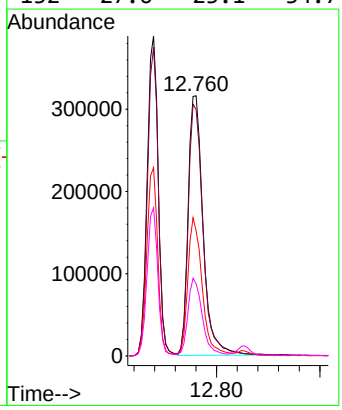


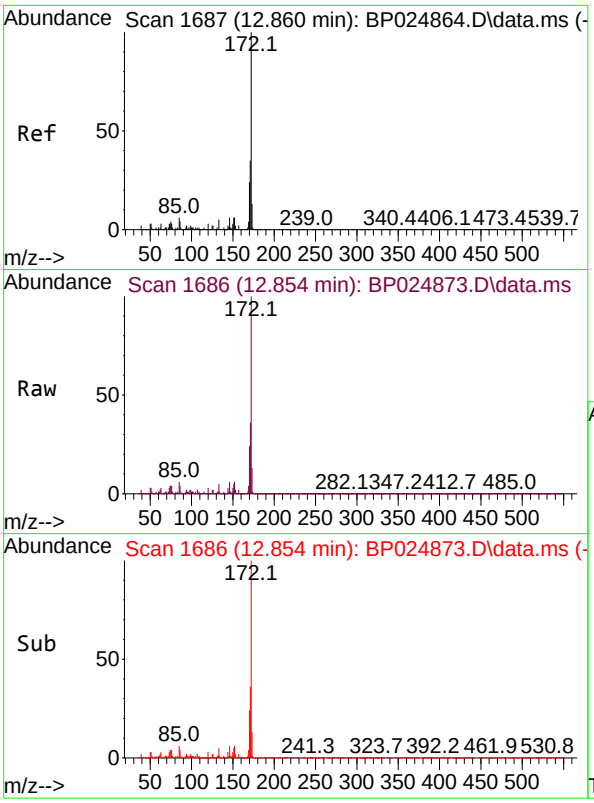


#44
2,4,5-Trichlorophenol
Concen: 49.602 ng
RT: 12.760 min Scan# 1670
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:196 Resp: 635990

Ion	Ratio	Lower	Upper
196	100		
198	94.7	76.0	114.0
97	48.1	41.5	62.3
132	27.6	23.1	34.7



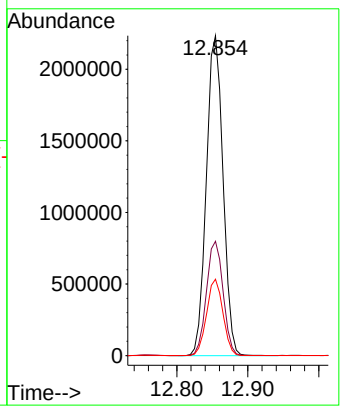


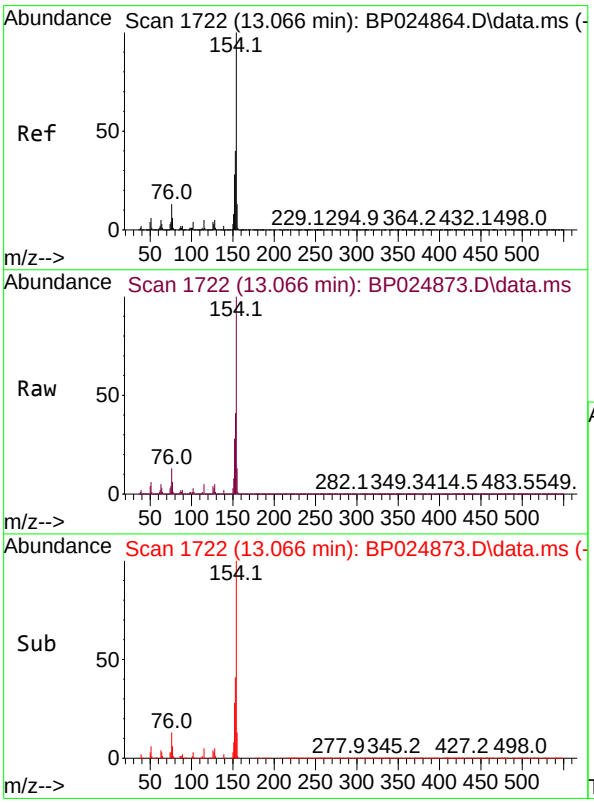
#45
2-Fluorobiphenyl
Concen: 77.914 ng
RT: 12.854 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:172 Resp: 3633814

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.3	42.5
170	23.9	19.0	28.4

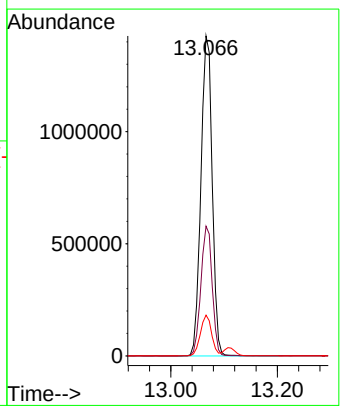


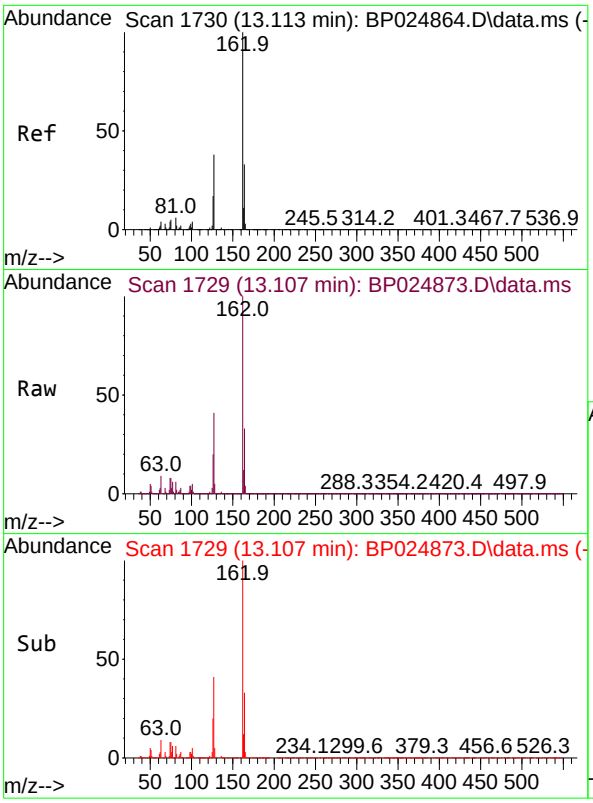


#46
1,1'-Biphenyl
Concen: 45.844 ng
RT: 13.066 min Scan# 1722
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:154 Resp: 2093200

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.3	60.3
76	12.7	0.0	33.0



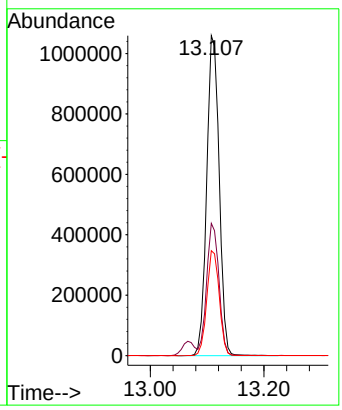


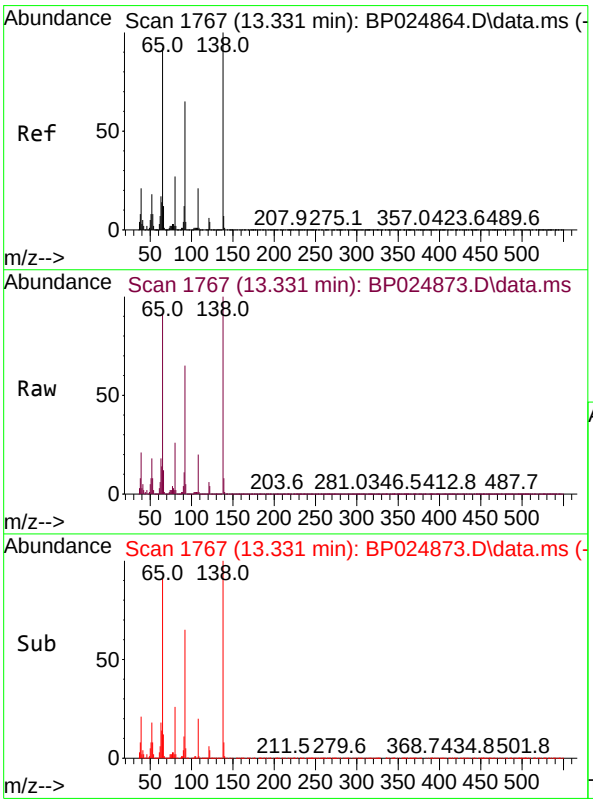
#47
2-Chloronaphthalene
Concen: 46.187 ng
RT: 13.107 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:162 Resp: 1620819

Ion	Ratio	Lower	Upper
162	100		
127	41.3	32.5	48.7
164	32.8	26.2	39.2

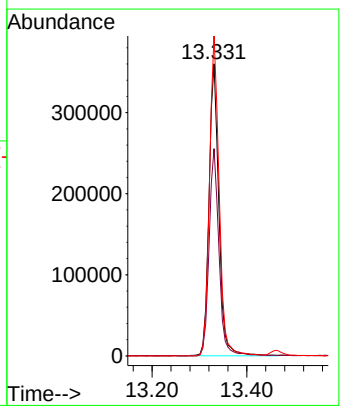


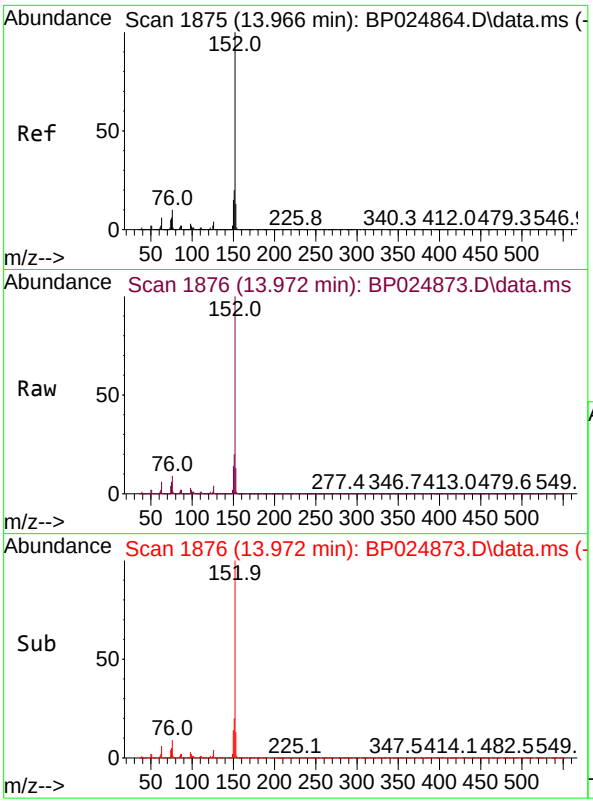


#48
2-Nitroaniline
Concen: 48.295 ng
RT: 13.331 min Scan# 1767
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion: 65 Resp: 521042

Ion	Ratio	Lower	Upper
65	100		
92	71.0	56.8	85.2
138	109.5	86.9	130.3



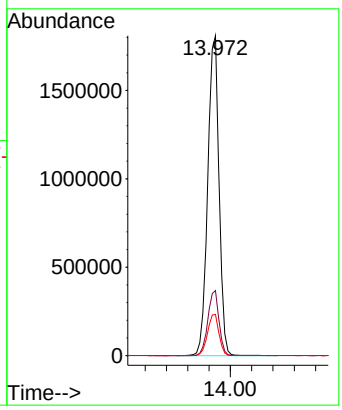


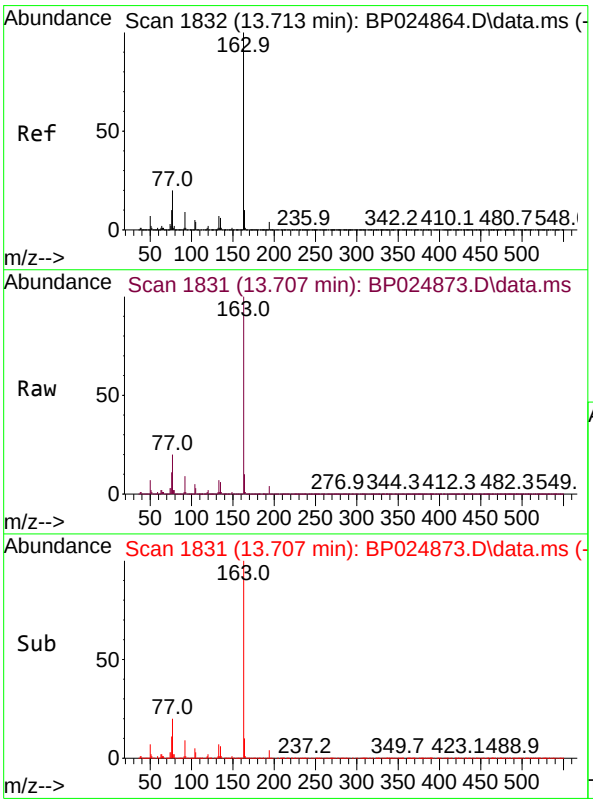
#49
Acenaphthylene
Concen: 45.478 ng
RT: 13.972 min Scan# 18
Delta R.T. 0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:152 Resp: 2661012

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	12.9	10.6	15.8

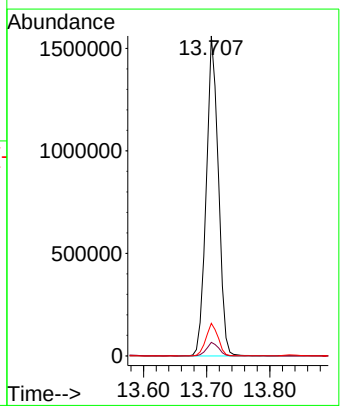


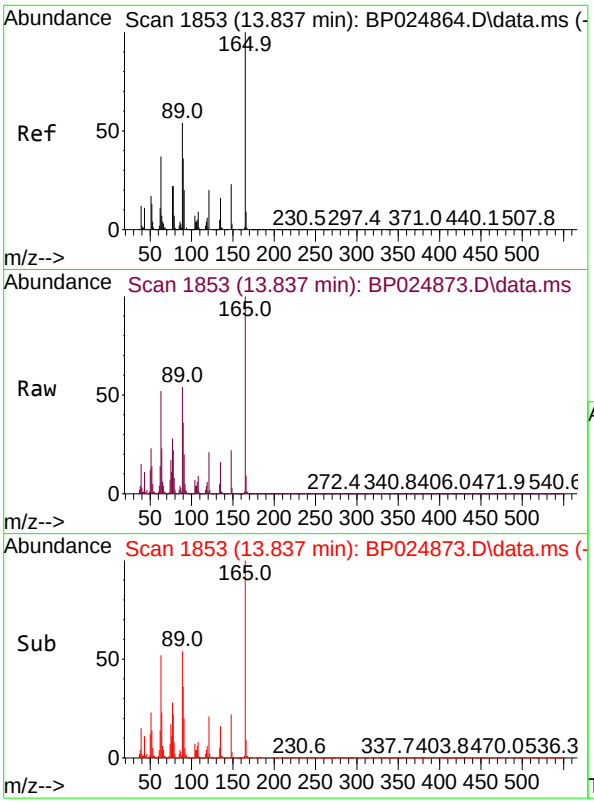


#50
Dimethylphthalate
Concen: 44.824 ng
RT: 13.707 min Scan# 1831
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:163 Resp: 2077480

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.2	8.0	12.0



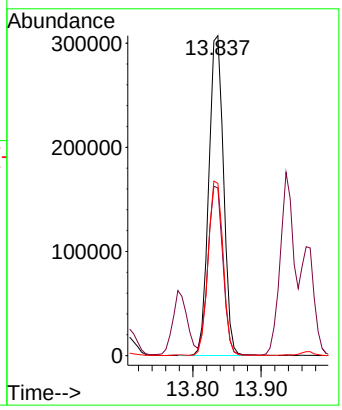


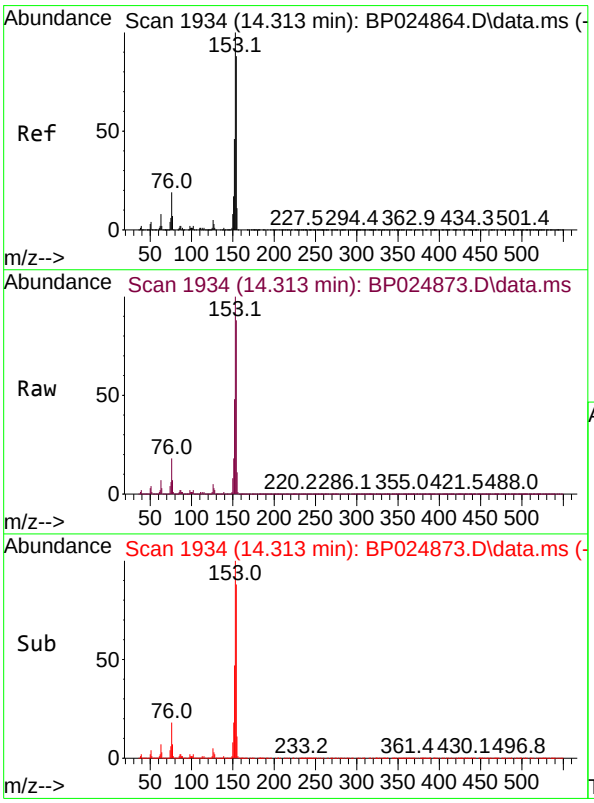
#51
2,6-Dinitrotoluene
Concen: 46.153 ng
RT: 13.837 min Scan# 18
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:165 Resp: 461134

Ion	Ratio	Lower	Upper
165	100		
63	52.4	41.8	62.8
89	53.8	43.1	64.7

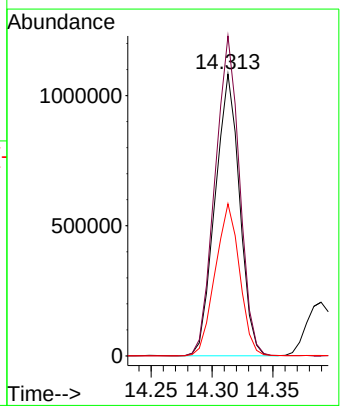


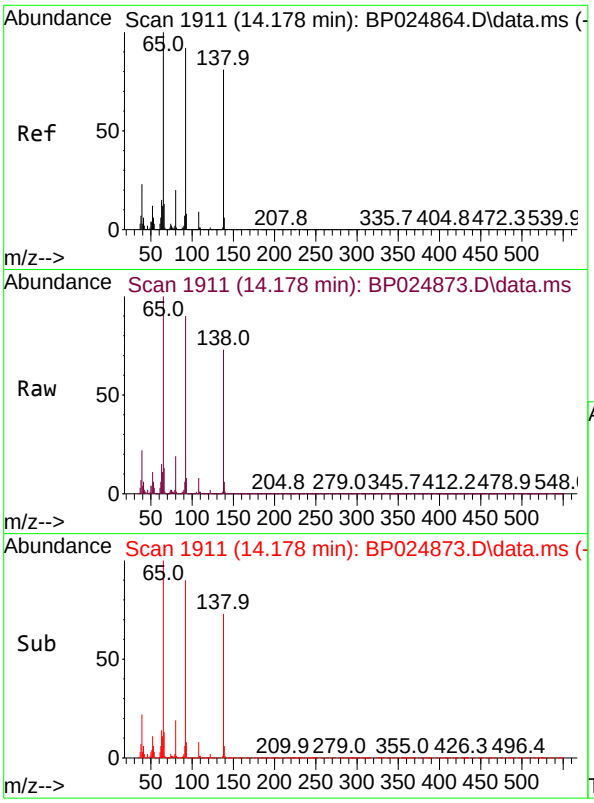


#52
Acenaphthene
Concen: 45.227 ng
RT: 14.313 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:154 Resp: 1516438

Ion	Ratio	Lower	Upper
154	100		
153	113.5	90.5	135.7
152	54.0	42.1	63.1



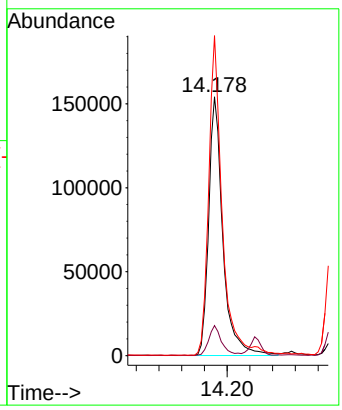


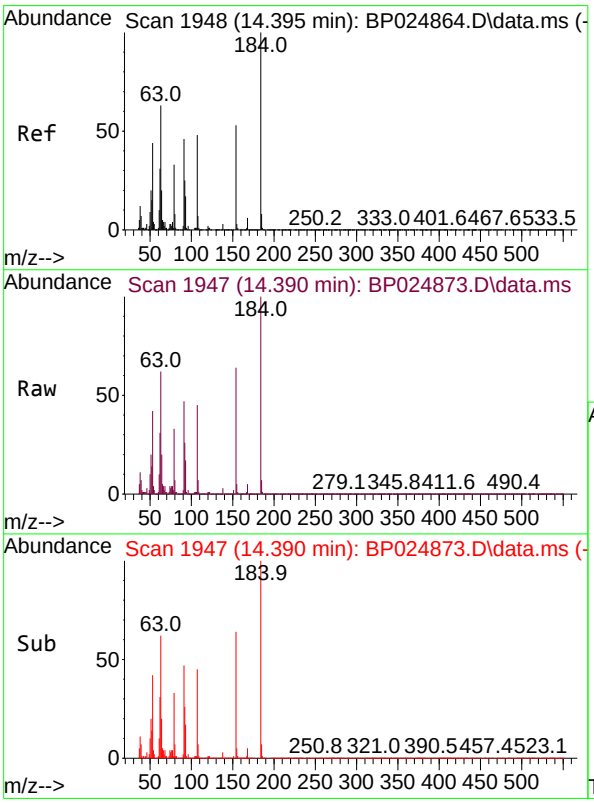
#53
3-Nitroaniline
Concen: 25.855 ng
RT: 14.178 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:138 Resp: 268082

Ion	Ratio	Lower	Upper
138	100		
108	11.6	8.6	12.8
92	123.7	91.3	136.9

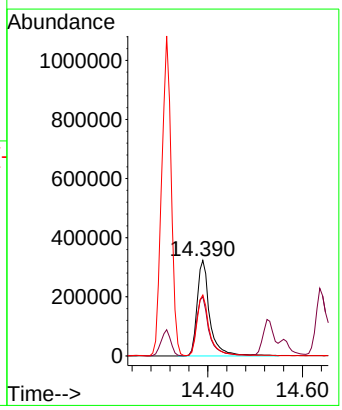


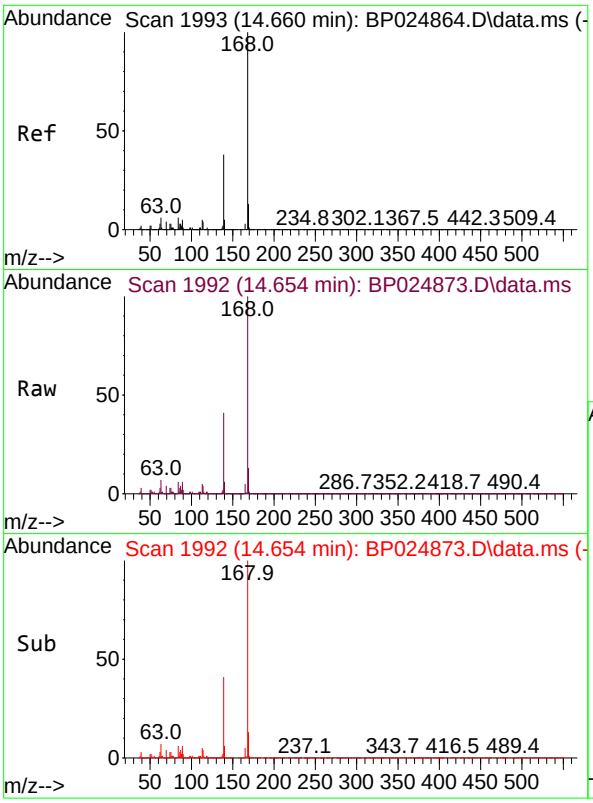


#54
2,4-Dinitrophenol
Concen: 90.641 ng
RT: 14.390 min Scan# 1947
Delta R.T. -0.005 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:184 Resp: 594890

Ion	Ratio	Lower	Upper
184	100		
63	61.9	51.0	76.4
154	63.9	51.7	77.5



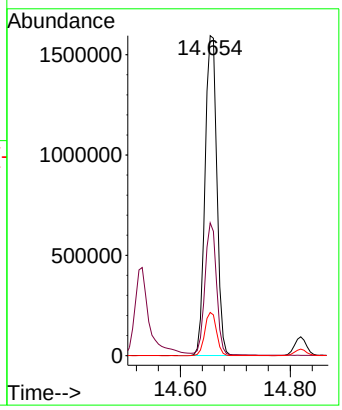


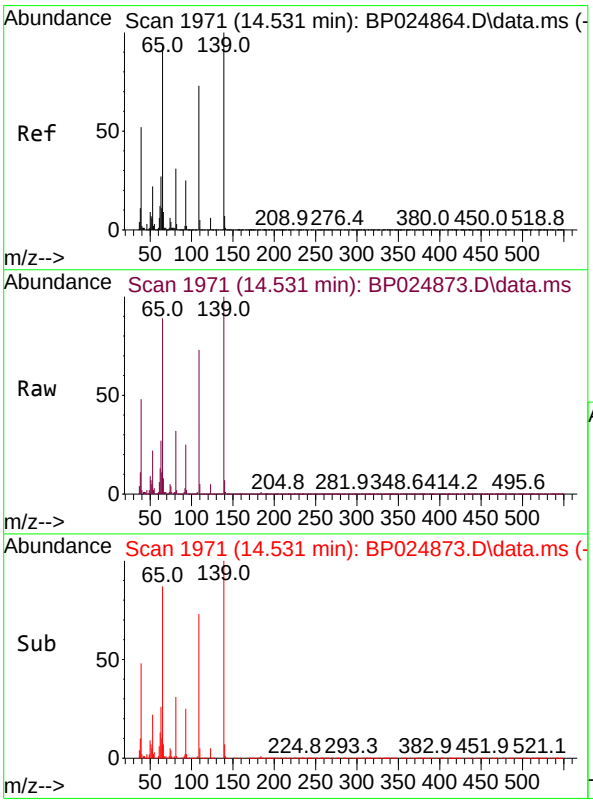
#55
Dibenzofuran
Concen: 44.250 ng
RT: 14.654 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:168 Resp: 2381540

Ion	Ratio	Lower	Upper
168	100		
139	41.5	31.6	47.4
169	13.5	10.6	15.8

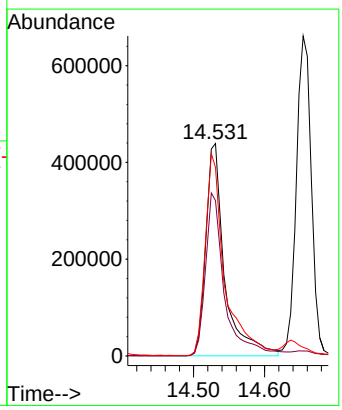


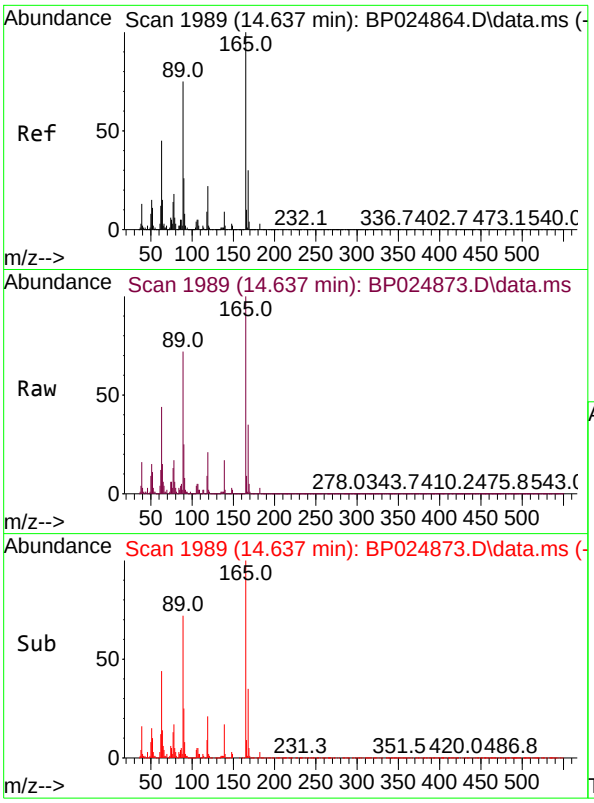


#56
4-Nitrophenol
Concen: 91.350 ng
RT: 14.531 min Scan# 1971
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:139 Resp: 809101

Ion	Ratio	Lower	Upper
139	100		
109	73.1	53.1	93.1
65	88.7	73.0	113.0



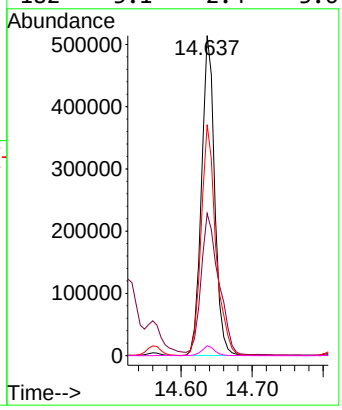


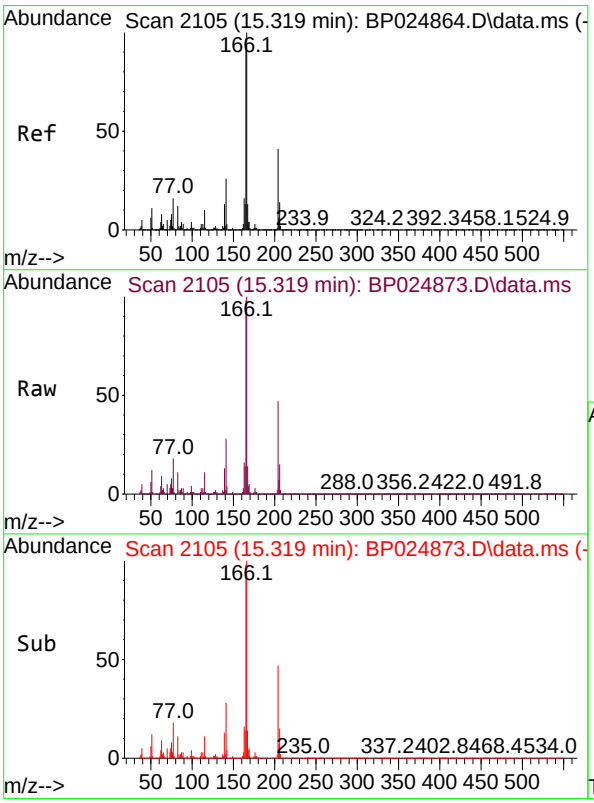
#57
2,4-Dinitrotoluene
Concen: 46.983 ng
RT: 14.637 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:165 Resp: 656655

Ion	Ratio	Lower	Upper
165	100		
63	44.4	37.0	55.6
89	72.2	60.1	90.1
182	3.1	2.4	3.6

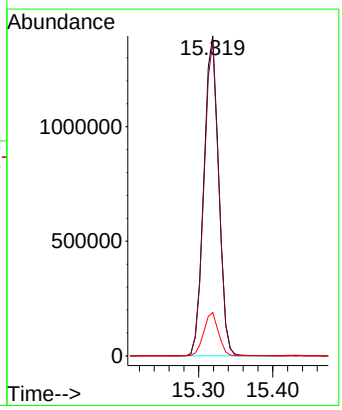


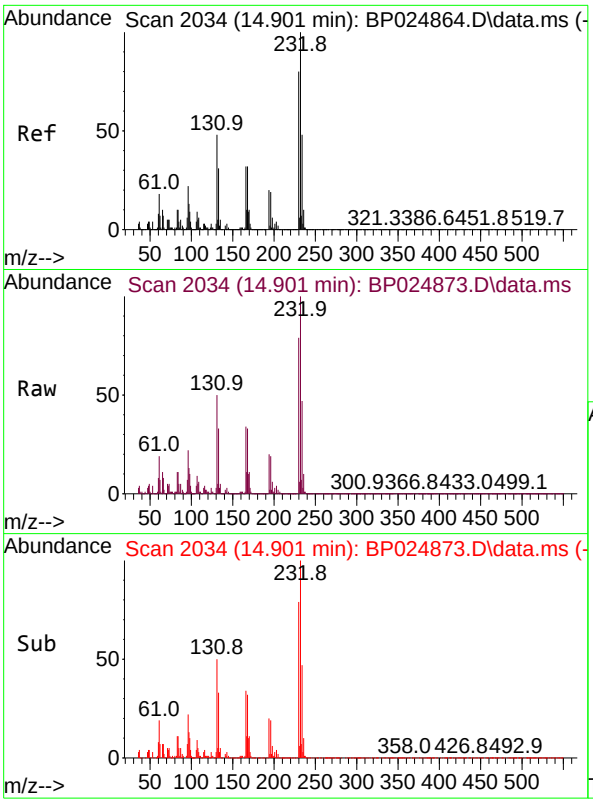


#58
Fluorene
Concen: 44.681 ng
RT: 15.319 min Scan# 2105
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:166 Resp: 1942620

Ion	Ratio	Lower	Upper
166	100		
165	98.2	77.7	116.5
167	13.6	10.6	16.0



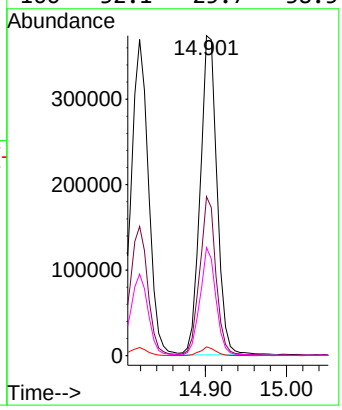


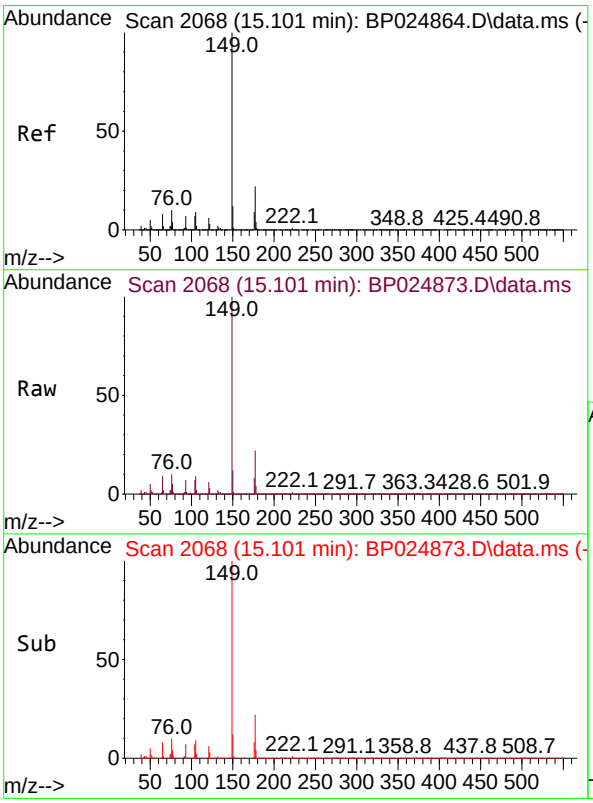
#59
2,3,4,6-Tetrachlorophenol
Concen: 46.912 ng
RT: 14.901 min Scan# 20
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:232 Resp: 537424

Ion	Ratio	Lower	Upper
232	100		
131	47.8	38.2	57.2
130	2.5	2.1	3.1
166	32.1	25.7	38.5

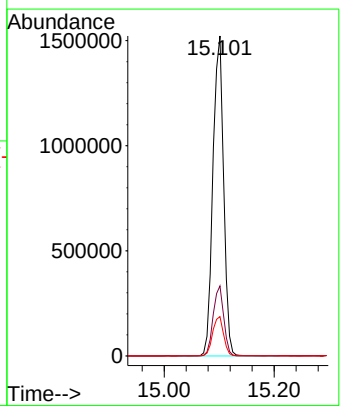


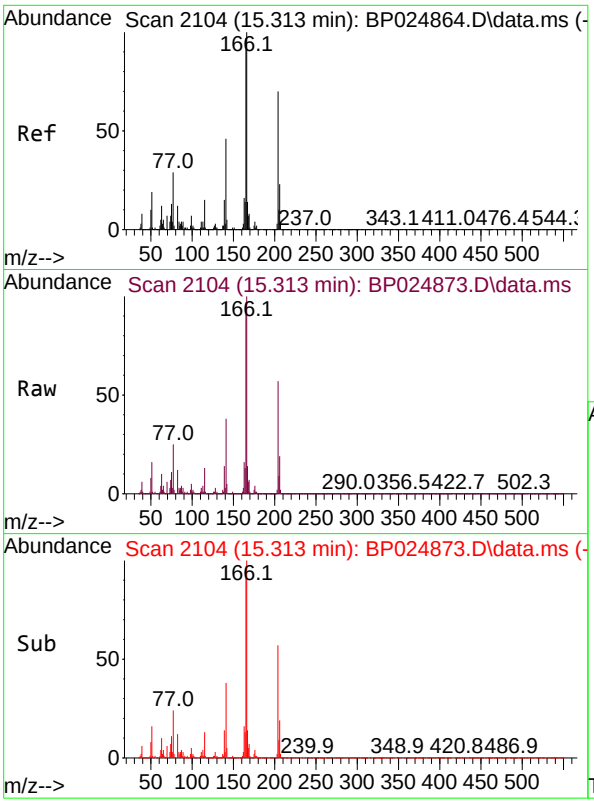


#60
Diethylphthalate
Concen: 44.293 ng
RT: 15.101 min Scan# 2068
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:149 Resp: 2045901

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.9	26.9
150	12.3	9.8	14.6



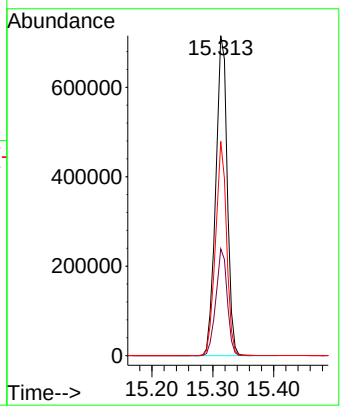


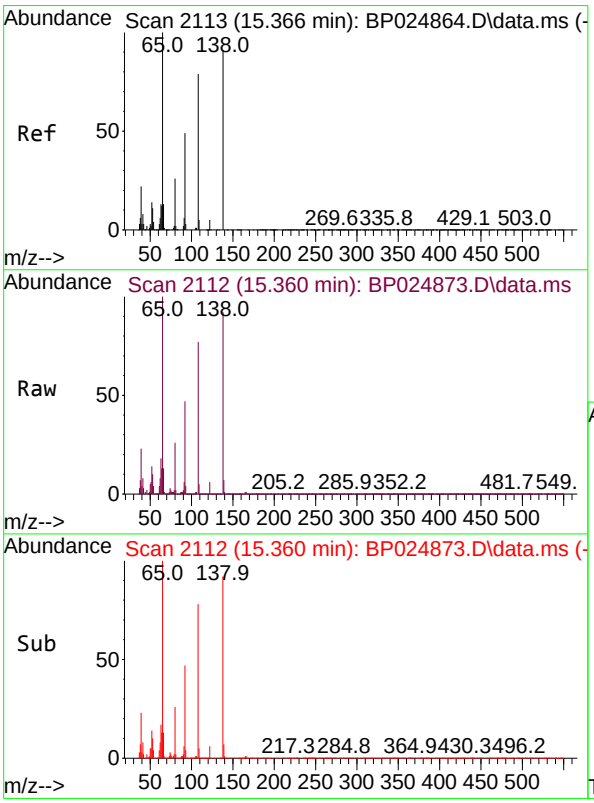
#61
4-Chlorophenyl-phenylether
Concen: 44.135 ng
RT: 15.313 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:204 Resp: 938236

Ion	Ratio	Lower	Upper
204	100		
206	33.4	26.6	40.0
141	66.9	52.4	78.6

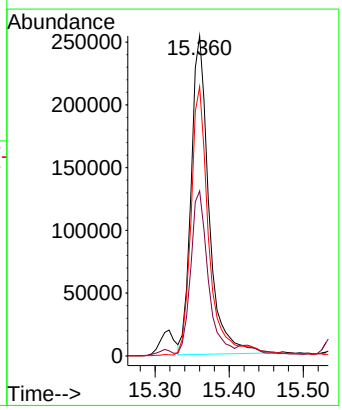


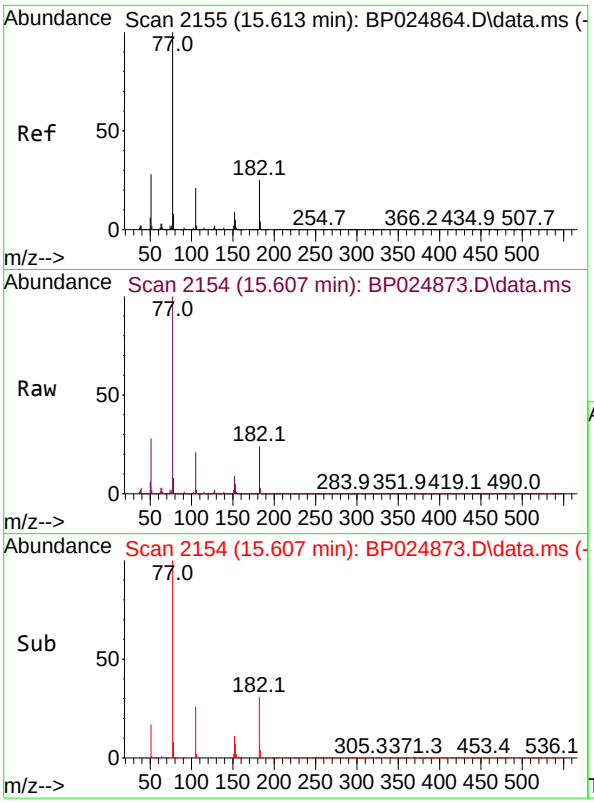


#62
4-Nitroaniline
Concen: 45.113 ng
RT: 15.360 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:138 Resp: 424134

Ion	Ratio	Lower	Upper
138	100		
92	51.5	33.5	73.5
108	84.1	65.1	105.1



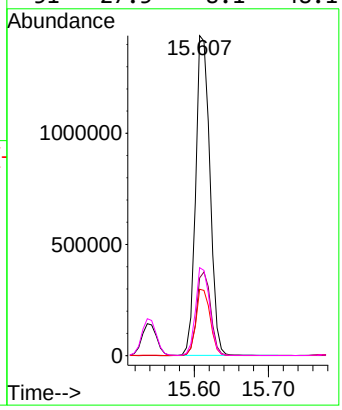


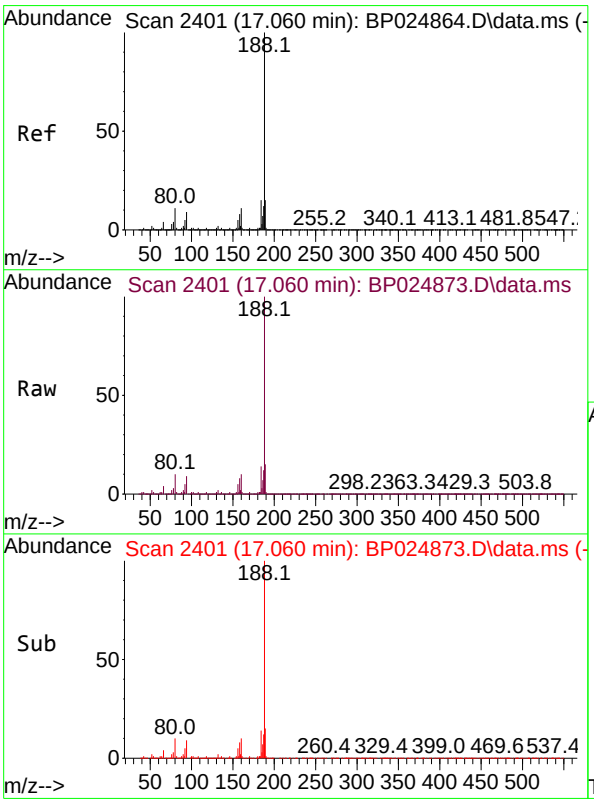
#63
Azobenzene
Concen: 45.227 ng
RT: 15.607 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion: 77 Resp: 1915956

Ion	Ratio	Lower	Upper
77	100		
182	24.3	5.4	45.4
105	20.7	0.8	40.8
51	27.5	8.1	48.1

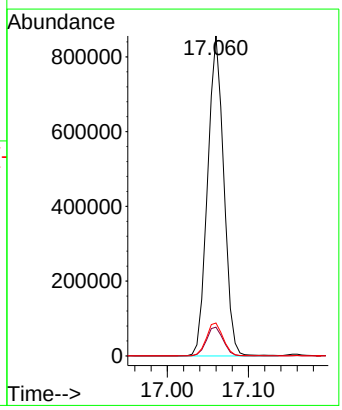


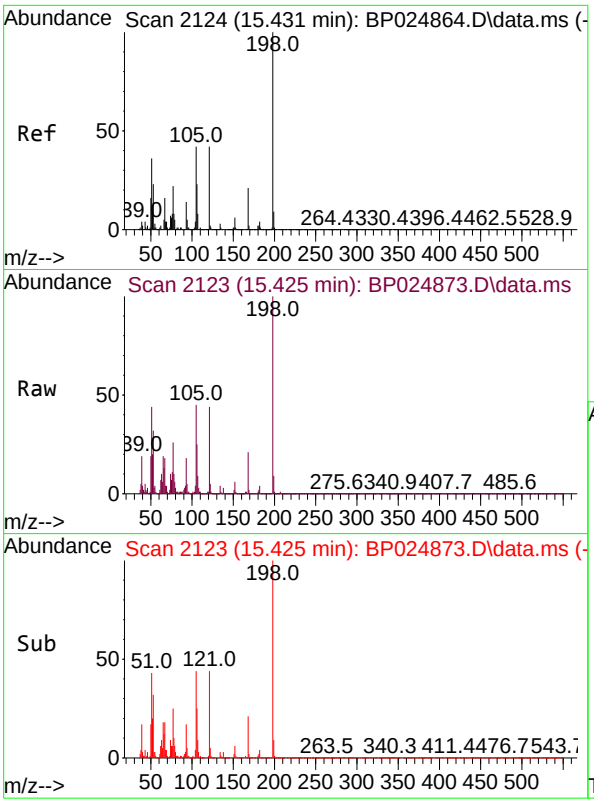


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.060 min Scan# 2401
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:188 Resp: 1189376

Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.3	10.9
80	10.3	8.5	12.7



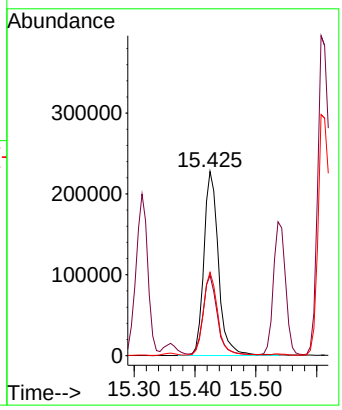


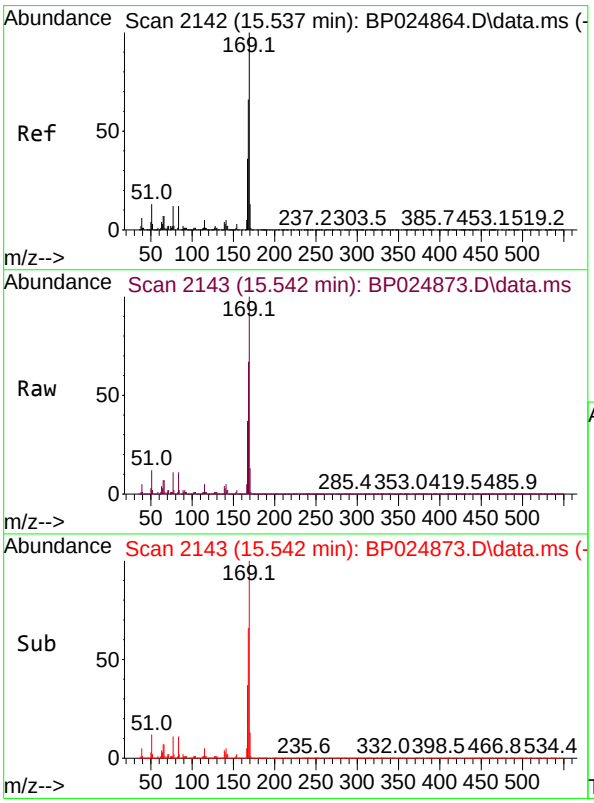
#65
4,6-Dinitro-2-methylphenol
Concen: 48.450 ng
RT: 15.425 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:198 Resp: 378653

Ion	Ratio	Lower	Upper
198	100		
51	43.6	19.2	59.2
105	45.2	22.6	62.6

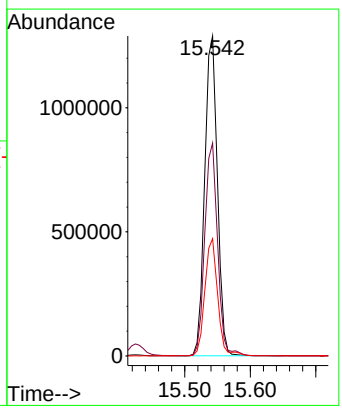


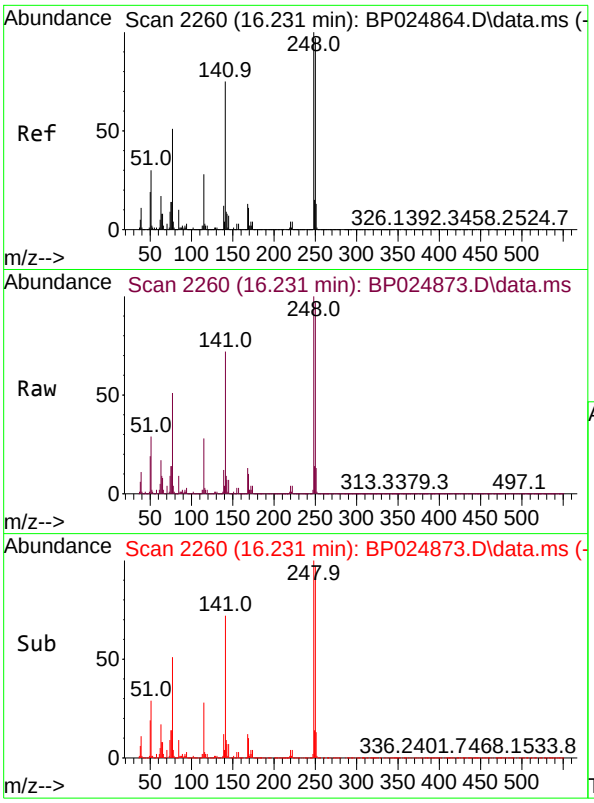


#66
n-Nitrosodiphenylamine
Concen: 46.833 ng
RT: 15.542 min Scan# 2143
Delta R.T. 0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:169 Resp: 1726506

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.0	79.6
167	36.6	28.6	43.0



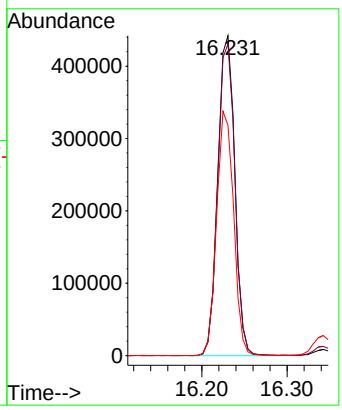


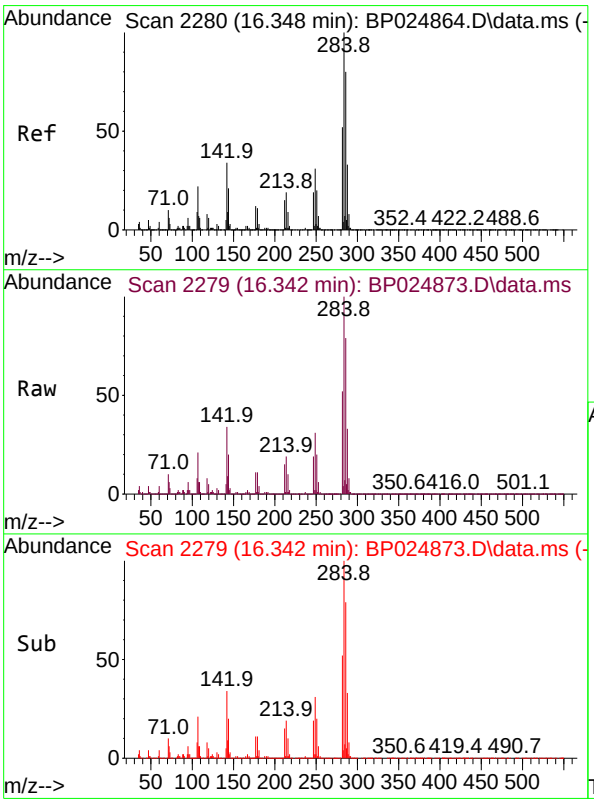
#67
4-Bromophenyl-phenylether
Concen: 45.760 ng
RT: 16.231 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:248 Resp: 614107

Ion	Ratio	Lower	Upper
248	100		
250	97.4	77.4	116.2
141	72.0	59.9	89.9

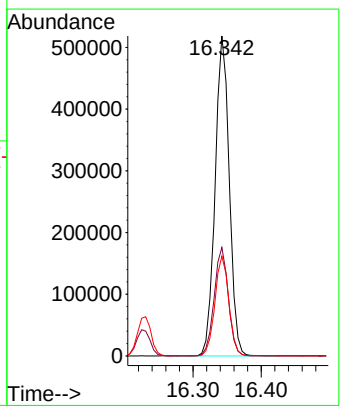


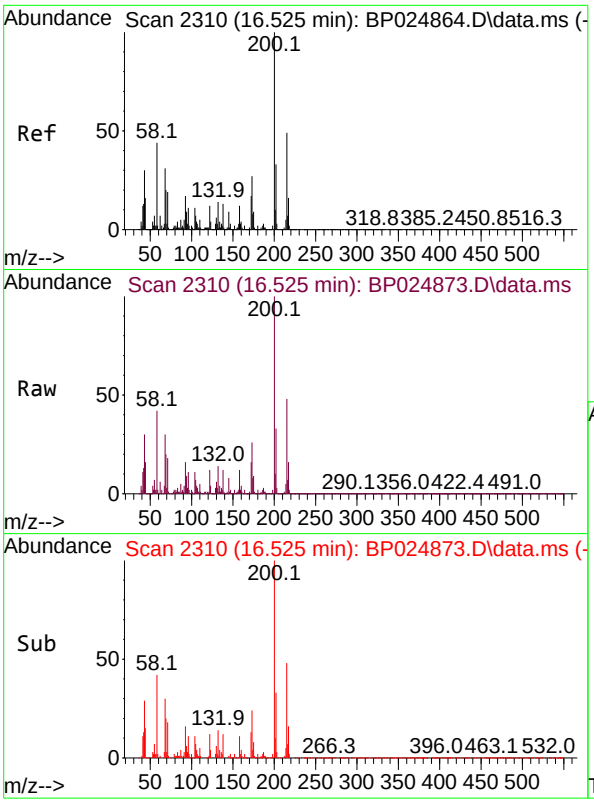


#68
Hexachlorobenzene
Concen: 45.626 ng
RT: 16.342 min Scan# 2279
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:284 Resp: 742281

Ion	Ratio	Lower	Upper
284	100		
142	33.9	27.0	40.6
249	31.2	25.0	37.6



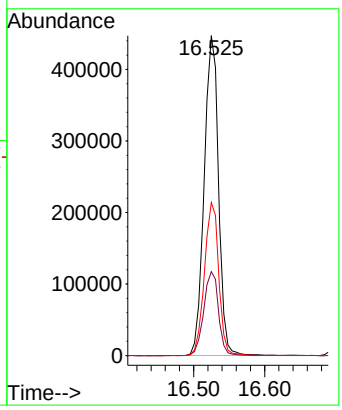


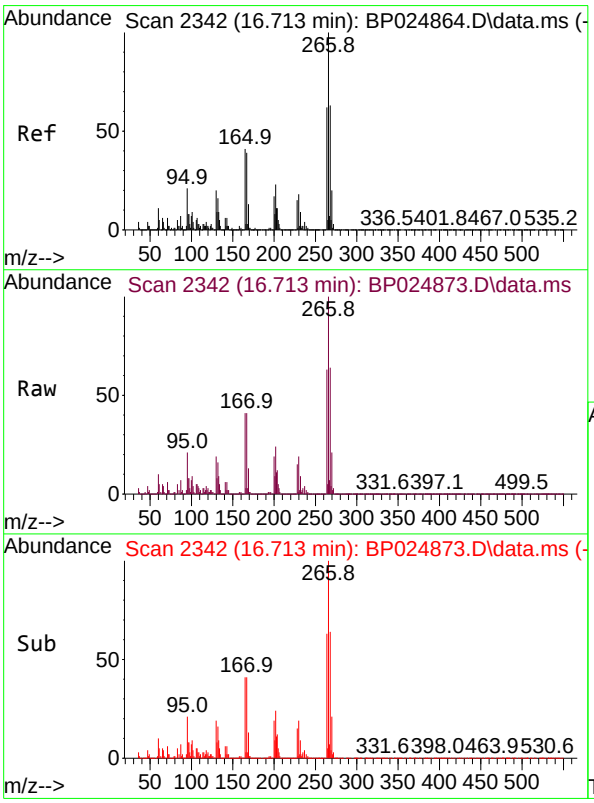
#69
Atrazine
Concen: 46.732 ng
RT: 16.525 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:200 Resp: 624545

Ion	Ratio	Lower	Upper
200	100		
173	26.2	6.9	46.9
215	47.8	28.7	68.7

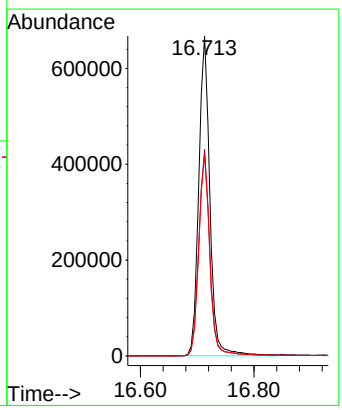


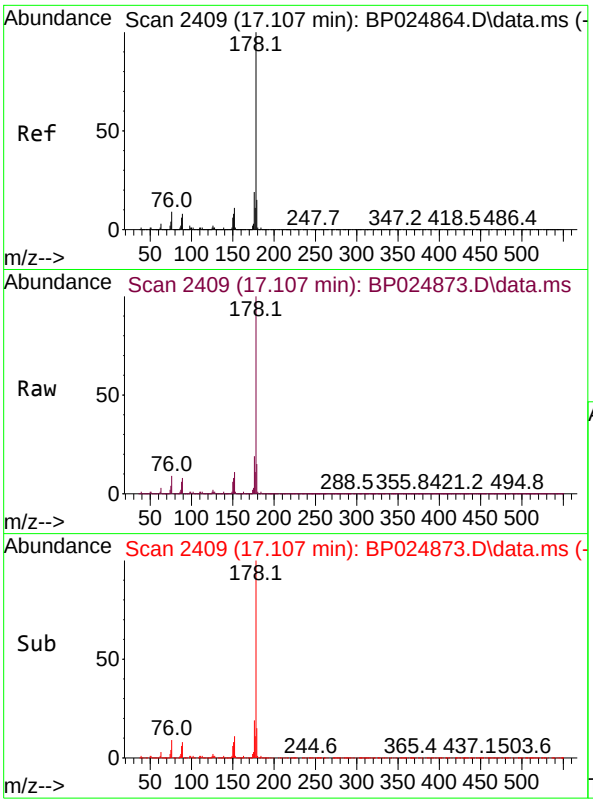


#70
Pentachlorophenol
Concen: 107.544 ng
RT: 16.713 min Scan# 2342
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:266 Resp: 905521

Ion	Ratio	Lower	Upper
266	100		
268	64.5	50.6	76.0
264	63.0	49.7	74.5



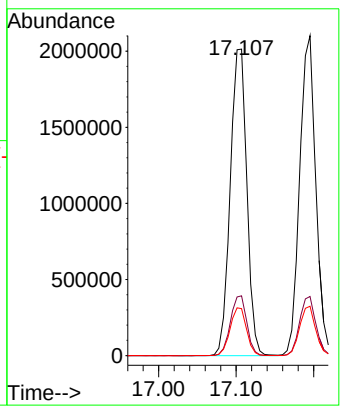


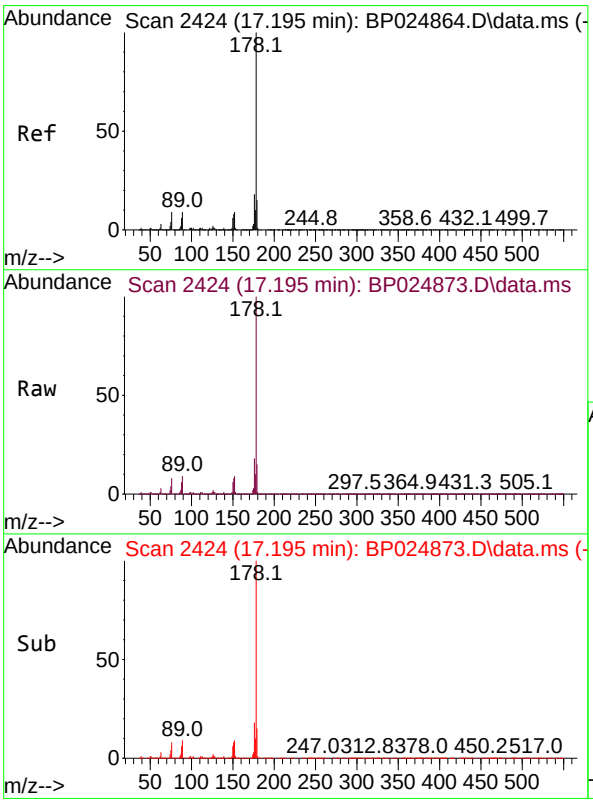
#71
Phenanthrene
Concen: 45.769 ng
RT: 17.107 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:178 Resp: 3008256

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.3	22.9
179	15.3	12.1	18.1

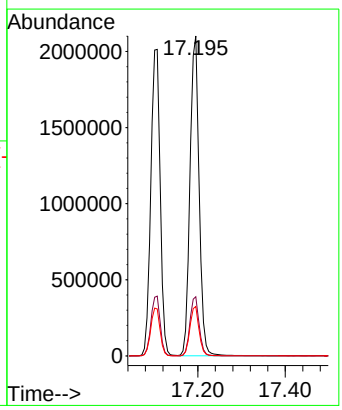


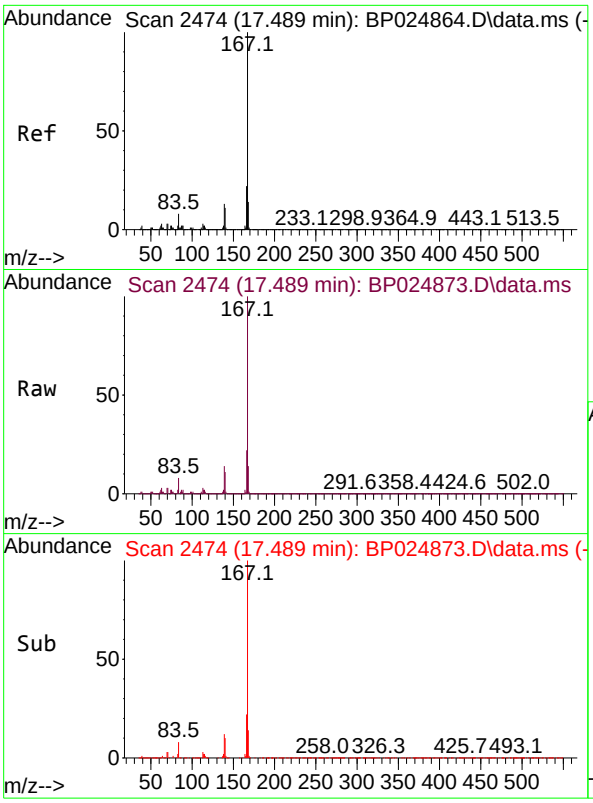


#72
Anthracene
Concen: 46.000 ng
RT: 17.195 min Scan# 2424
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:178 Resp: 3062015

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.7	22.1
179	15.5	12.3	18.5



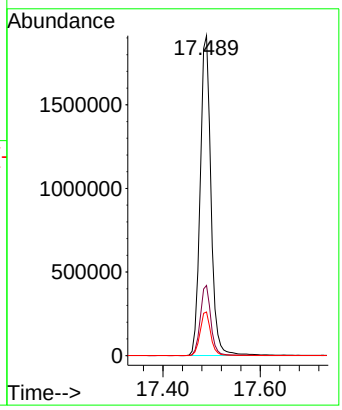


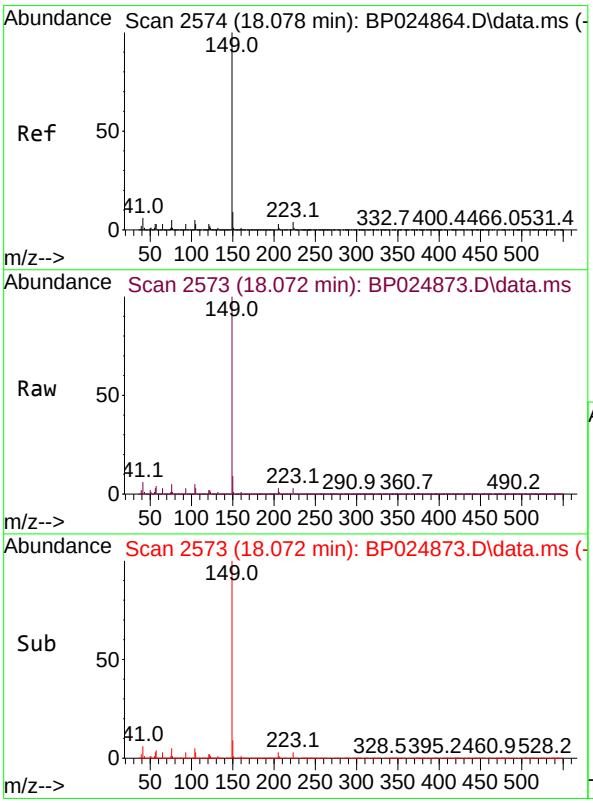
#73
Carbazole
Concen: 47.362 ng
RT: 17.489 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:167 Resp: 2922226

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.3	25.9
139	13.6	10.8	16.2

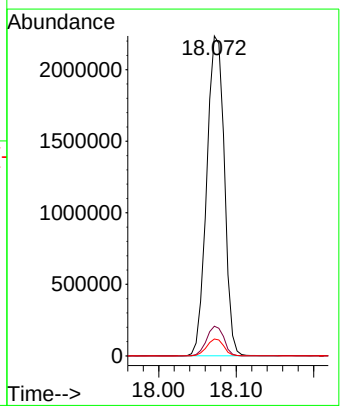


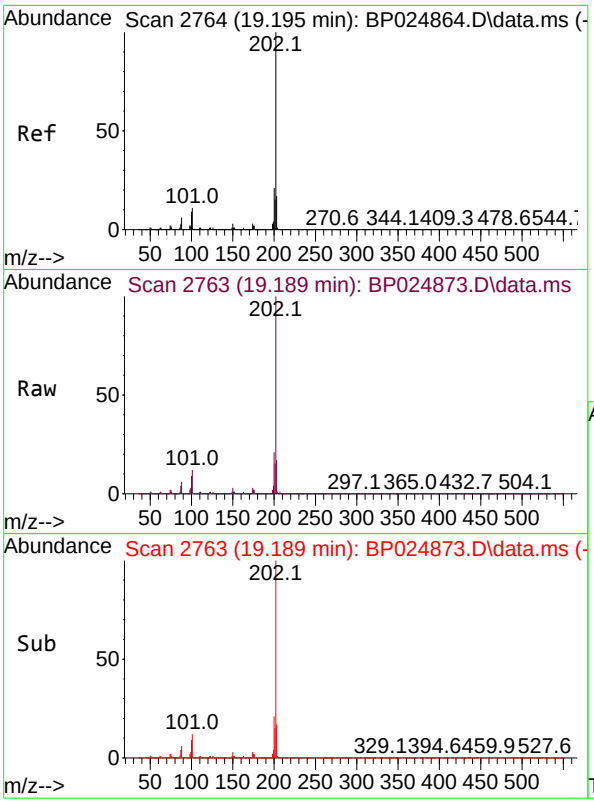


#74
Di-n-butylphthalate
Concen: 46.080 ng
RT: 18.072 min Scan# 2573
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:149 Resp: 3522628

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.3	4.2	6.2



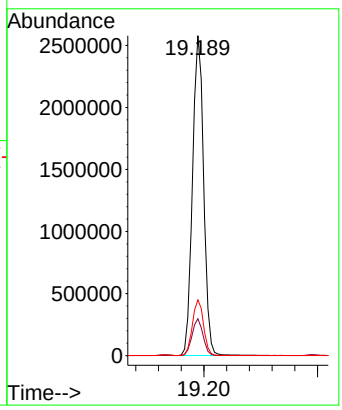


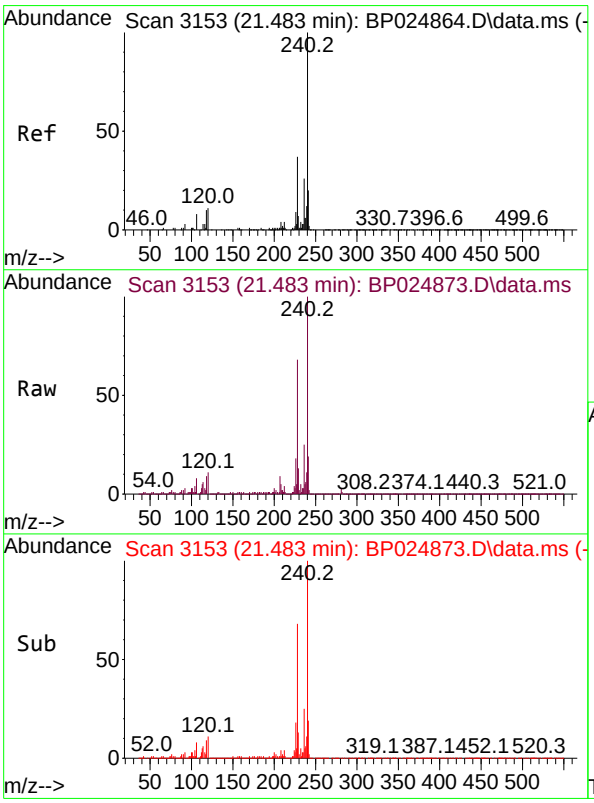
#75
Fluoranthene
Concen: 45.886 ng
RT: 19.189 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:202 Resp: 3495628

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	31.4
203	17.4	0.0	37.5

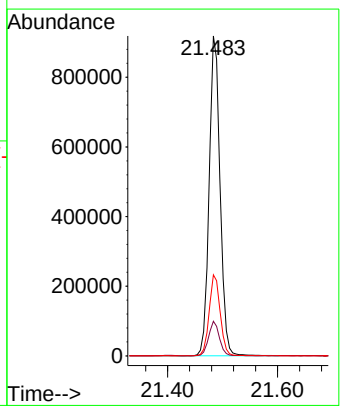


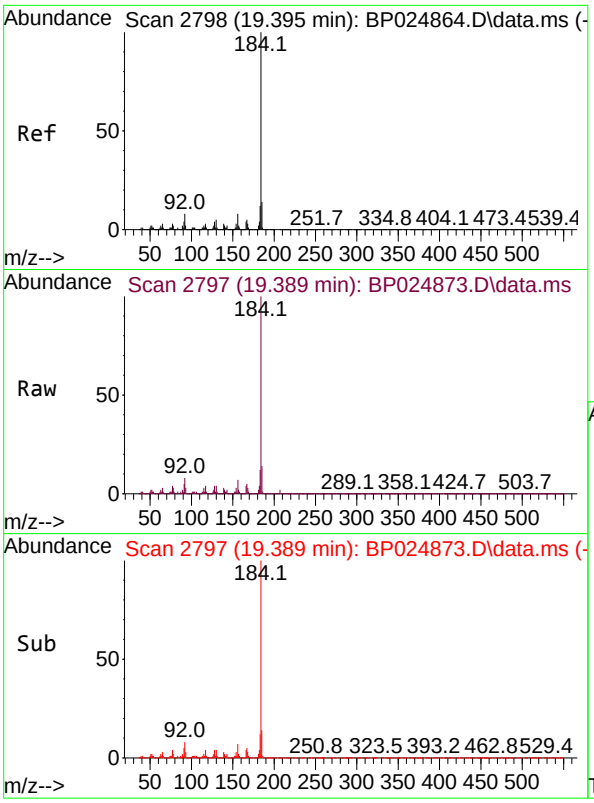


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.483 min Scan# 3153
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:240 Resp: 1268867

Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.9	13.3
236	25.3	20.9	31.3



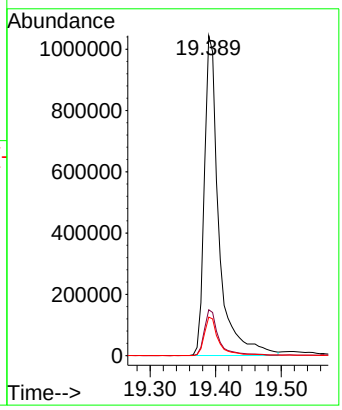


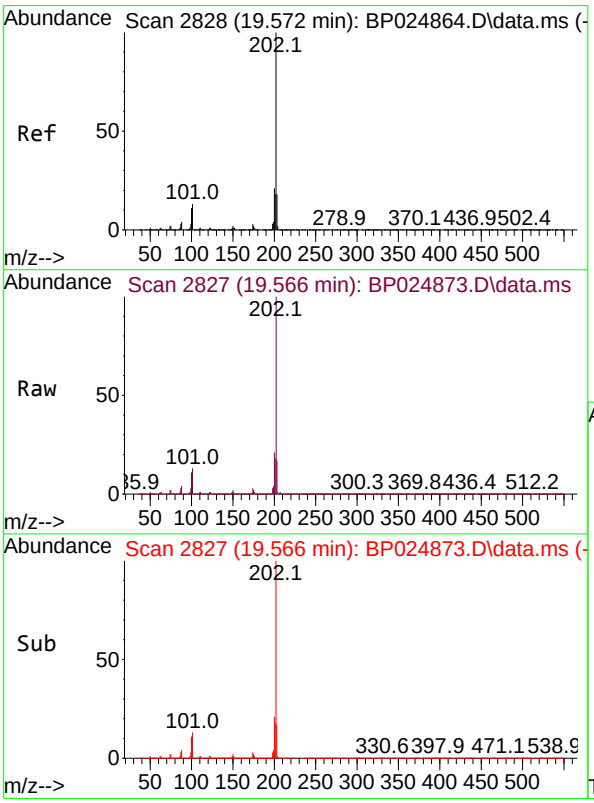
#77
Benzidine
Concen: 40.763 ng
RT: 19.389 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:184 Resp: 1601949

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.4	17.0
183	12.0	9.5	14.3

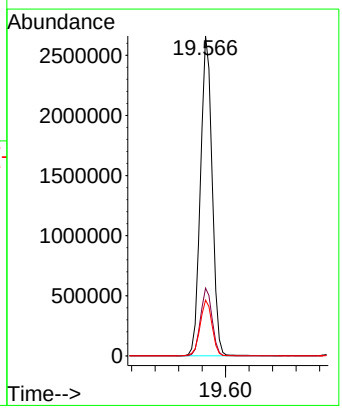


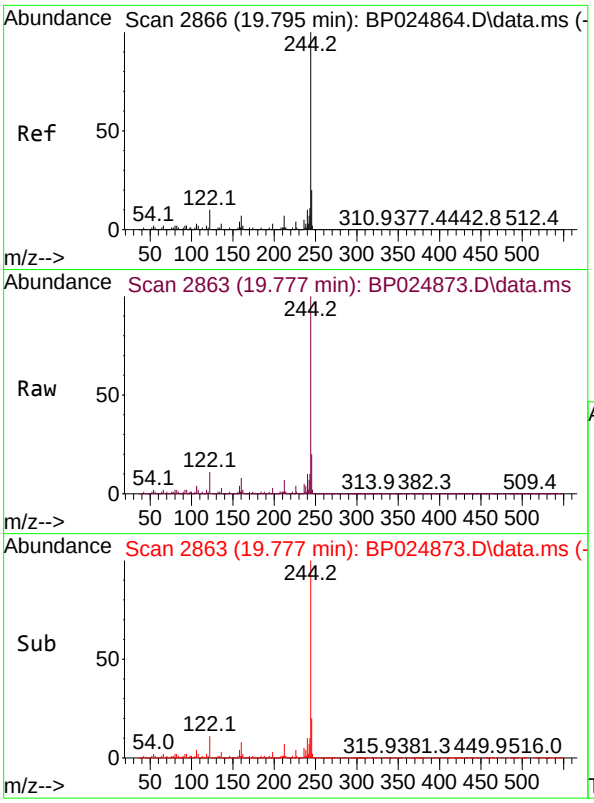


#78
Pyrene
Concen: 46.249 ng
RT: 19.566 min Scan# 2827
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:202 Resp: 3666214

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.1	25.7
203	17.4	14.0	21.0



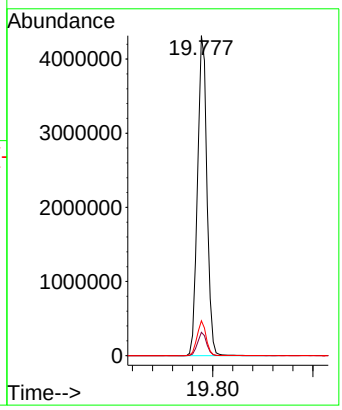


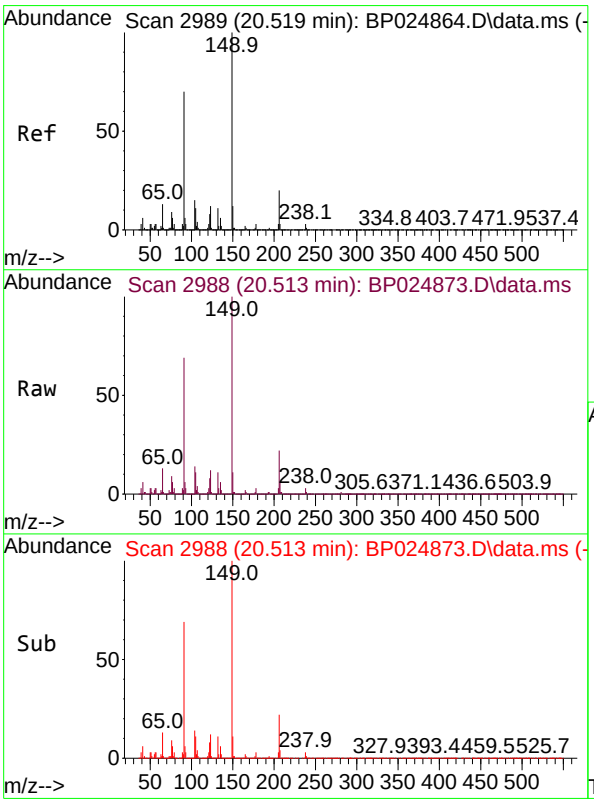
#79
Terphenyl-d14
Concen: 79.230 ng
RT: 19.777 min Scan# 28
Delta R.T. -0.018 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:244 Resp: 5609281

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.6	8.4
122	10.9	7.7	11.5

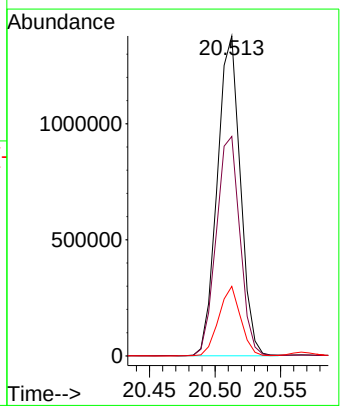


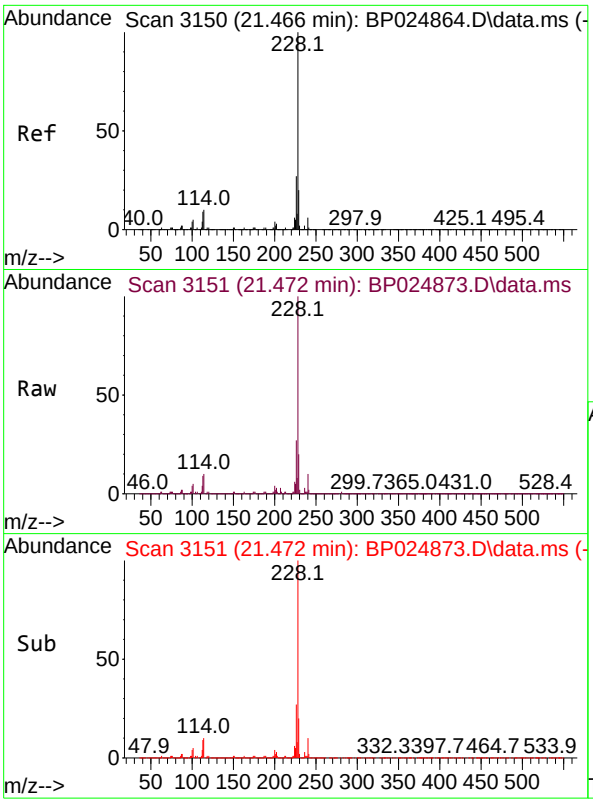


#80
Butylbenzylphthalate
Concen: 46.444 ng
RT: 20.513 min Scan# 2988
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:149 Resp: 1686399

Ion	Ratio	Lower	Upper
149	100		
91	68.6	55.8	83.8
206	21.7	16.2	24.2



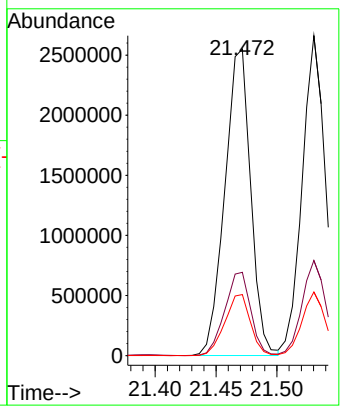


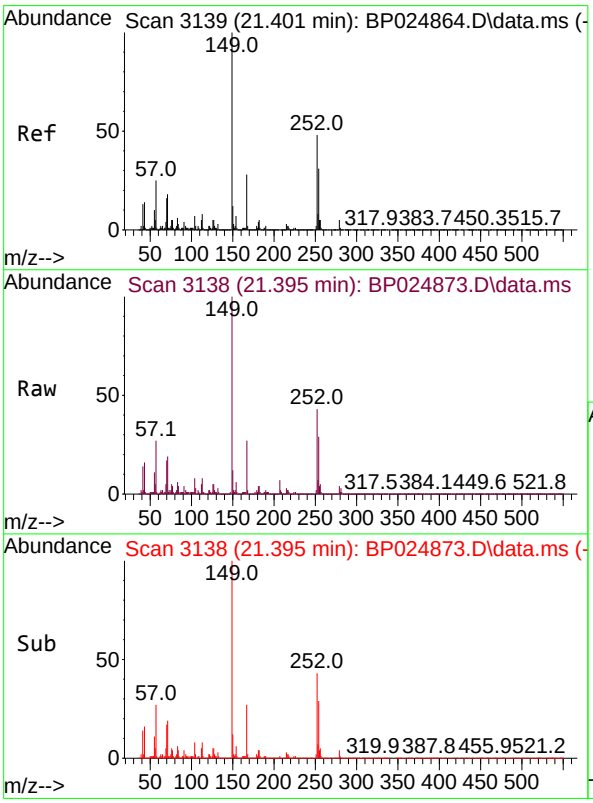
#81
Benzo(a)anthracene
Concen: 46.589 ng
RT: 21.472 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:228 Resp: 3780920

Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.1	33.1
229	19.9	15.9	23.9

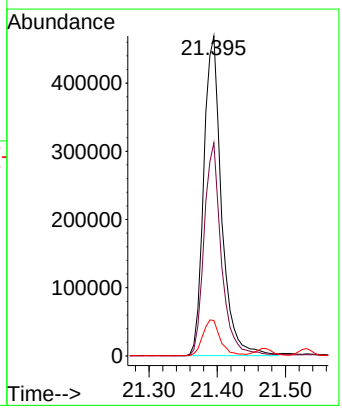


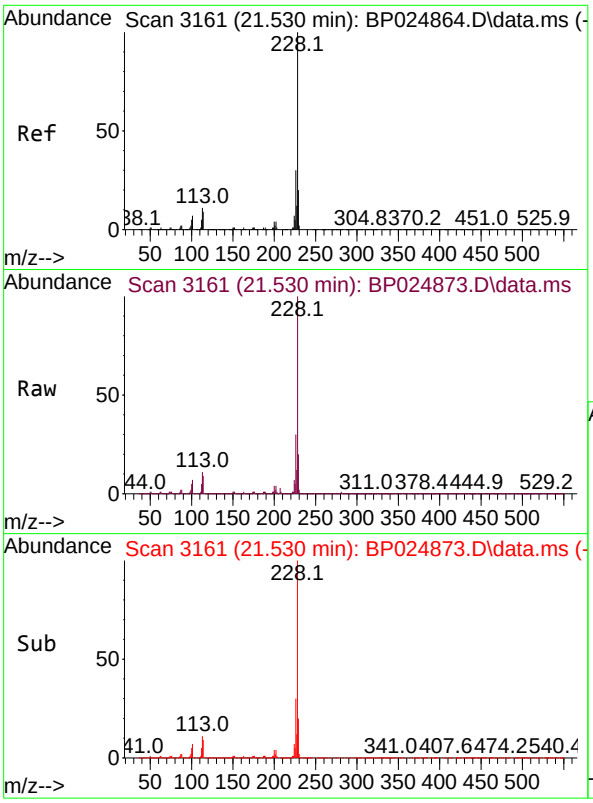


#82
3,3'-Dichlorobenzidine
Concen: 26.391 ng
RT: 21.395 min Scan# 3138
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:252 Resp: 850267

Ion	Ratio	Lower	Upper
252	100		
254	66.6	51.2	76.8
126	11.1	8.6	12.8



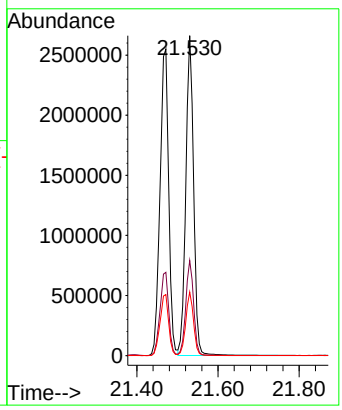


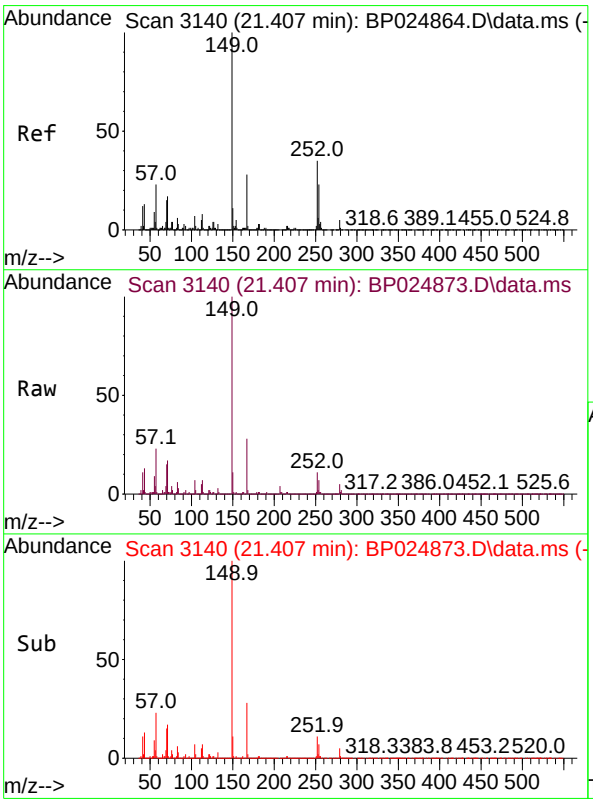
#83
Chrysene
Concen: 46.428 ng
RT: 21.530 min Scan# 31
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:228 Resp: 3570095

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.8	35.6
229	19.9	15.6	23.4

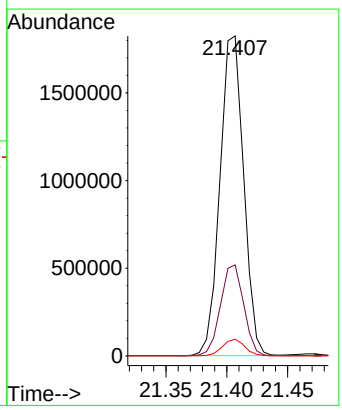


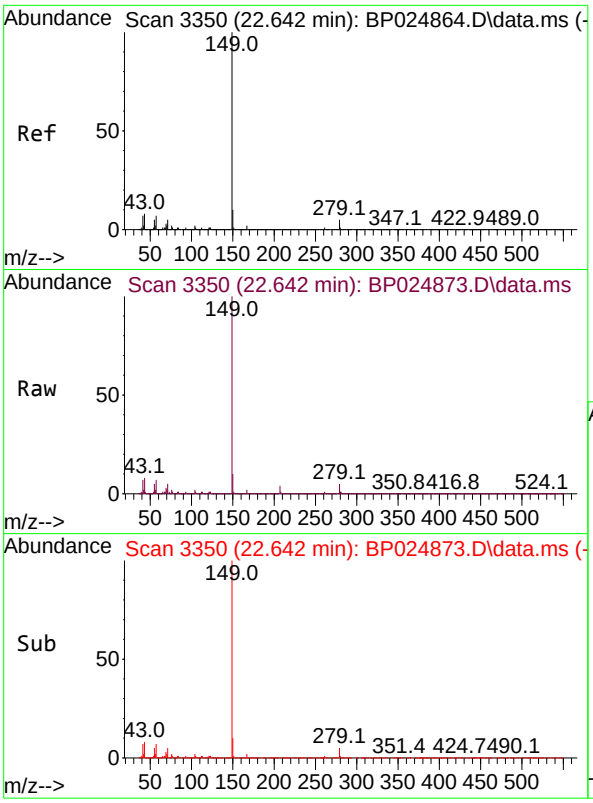


#84
Bis(2-ethylhexyl)phthalate
Concen: 47.541 ng
RT: 21.407 min Scan# 3140
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:149 Resp: 2473280

Ion	Ratio	Lower	Upper
149	100		
167	28.4	22.2	33.4
279	5.2	4.0	6.0



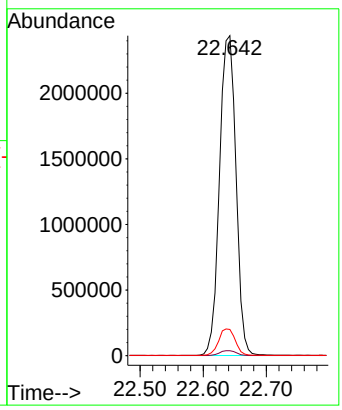


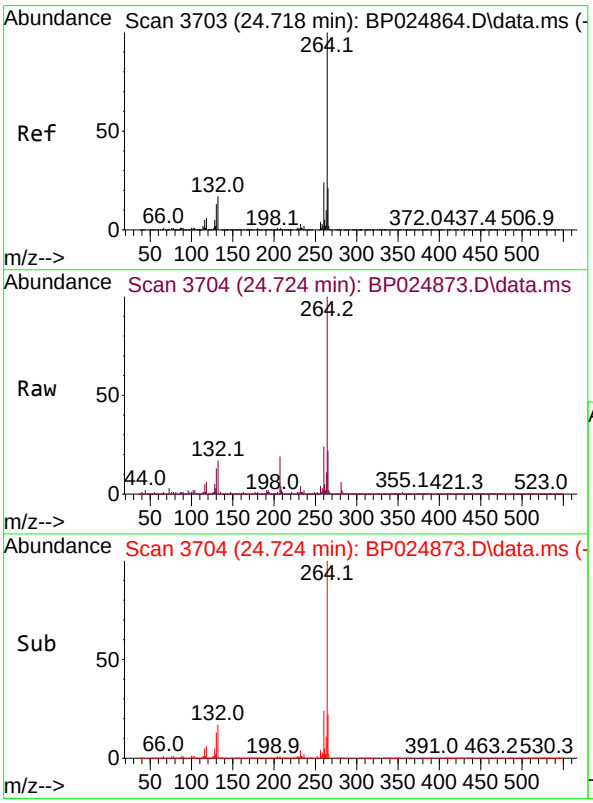
#85
Di-n-octyl phthalate
Concen: 48.117 ng
RT: 22.642 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:149 Resp: 4412263

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.4	6.6	10.0

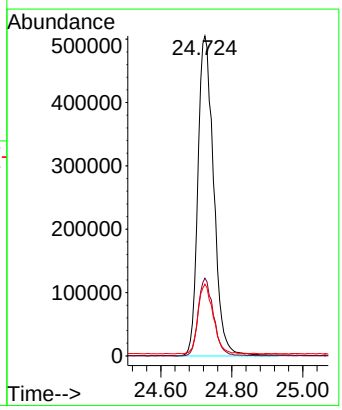


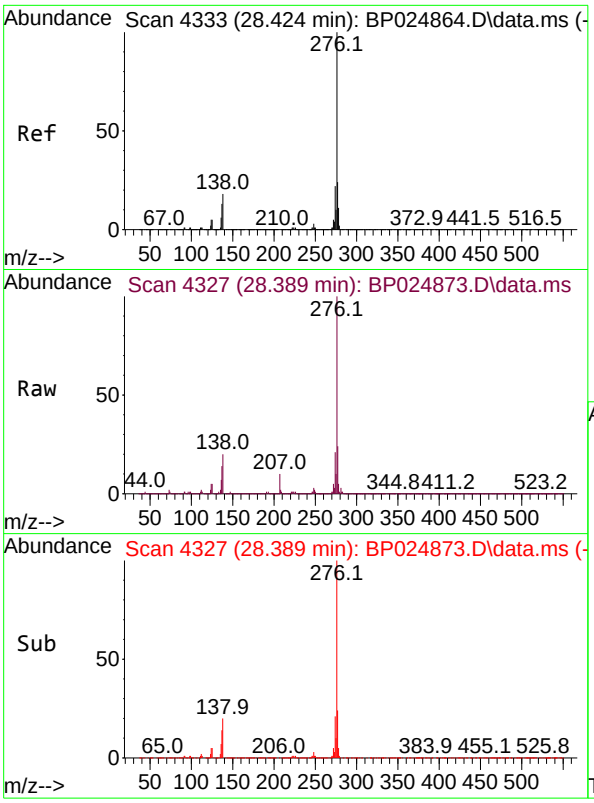


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.724 min Scan# 3704
Delta R.T. 0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:264 Resp: 1547954

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.0	28.4
265	22.4	17.4	26.0



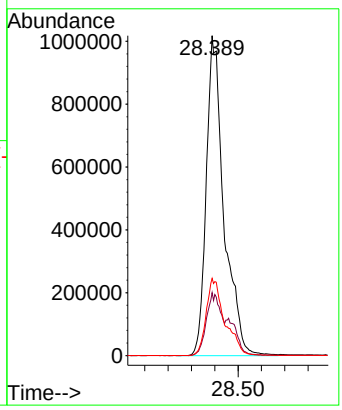


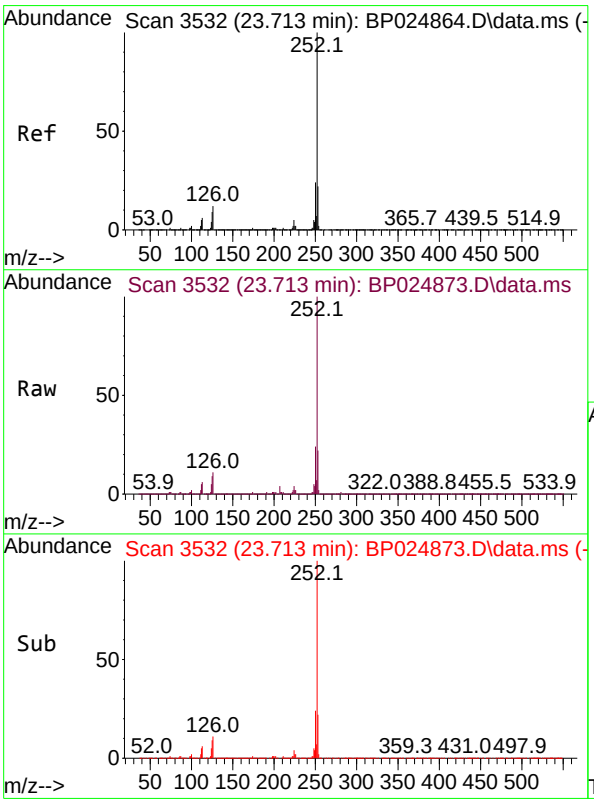
#87
Indeno(1,2,3-cd)pyrene
Concen: 47.356 ng
RT: 28.389 min Scan# 4
Delta R.T. -0.035 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:276 Resp: 5348458

Ion	Ratio	Lower	Upper
276	100		
138	16.3	18.6	27.8#
277	25.4	20.2	30.4

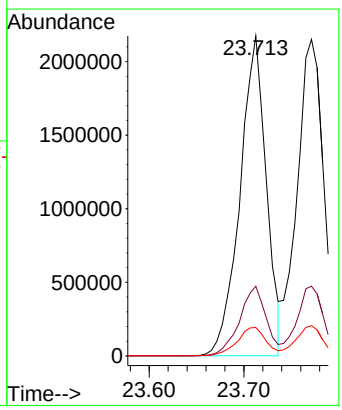


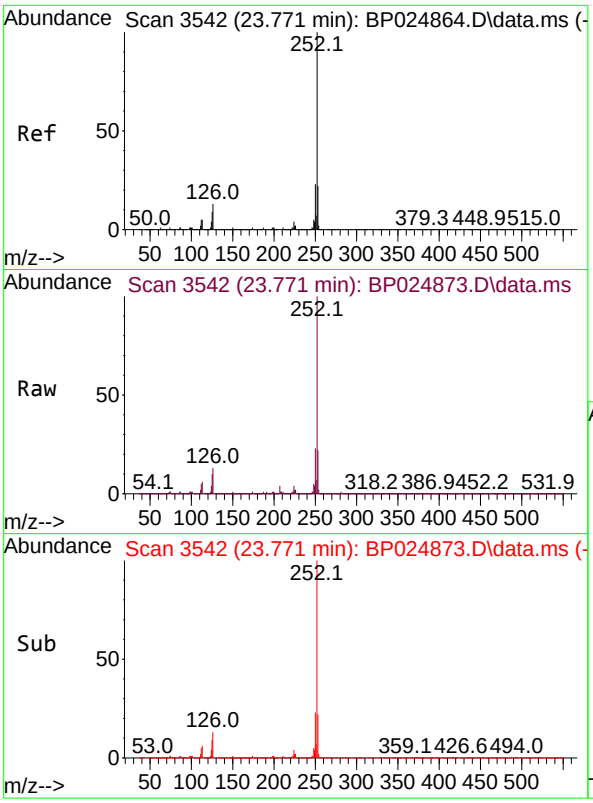


#88
Benzo(b)fluoranthene
Concen: 47.301 ng
RT: 23.713 min Scan# 3532
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:252 Resp: 4190360

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	8.9	7.1	10.7



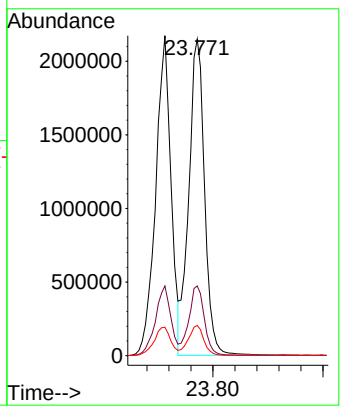


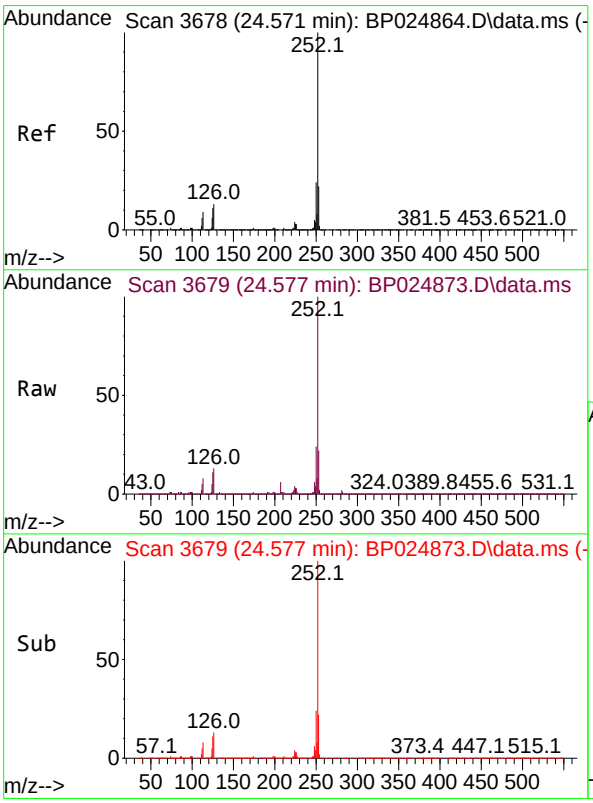
#89
Benzo(k)fluoranthene
Concen: 47.480 ng
RT: 23.771 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:252 Resp: 4281583

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	9.5	7.4	11.0

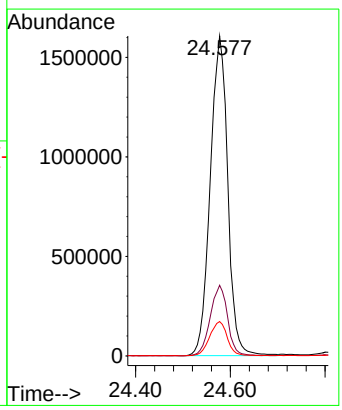


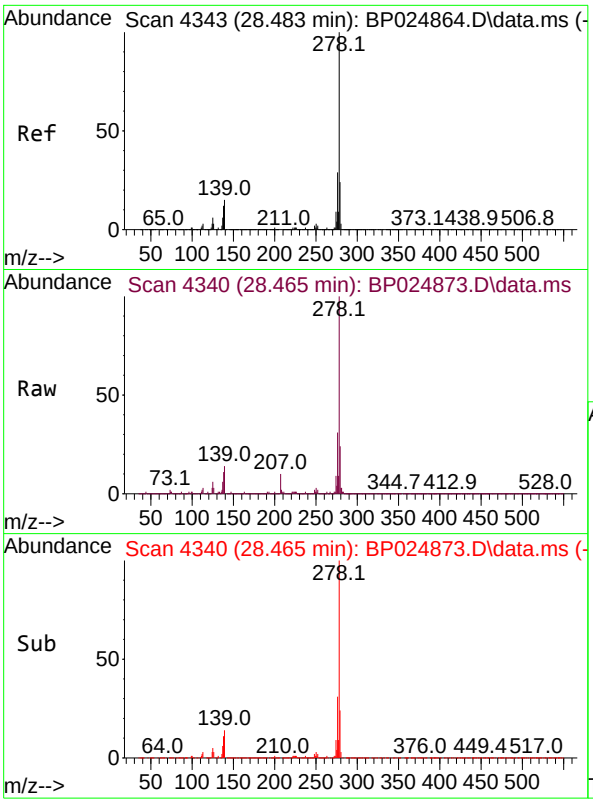


#90
Benzo(a)pyrene
Concen: 47.699 ng
RT: 24.577 min Scan# 3679
Delta R.T. 0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:252 Resp: 4126678

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	10.8	8.8	13.2



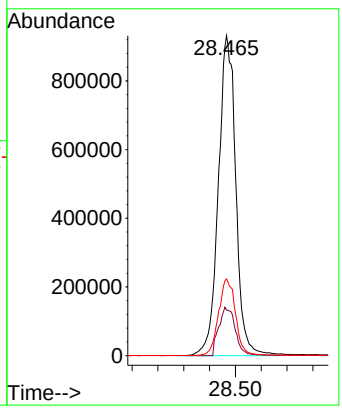


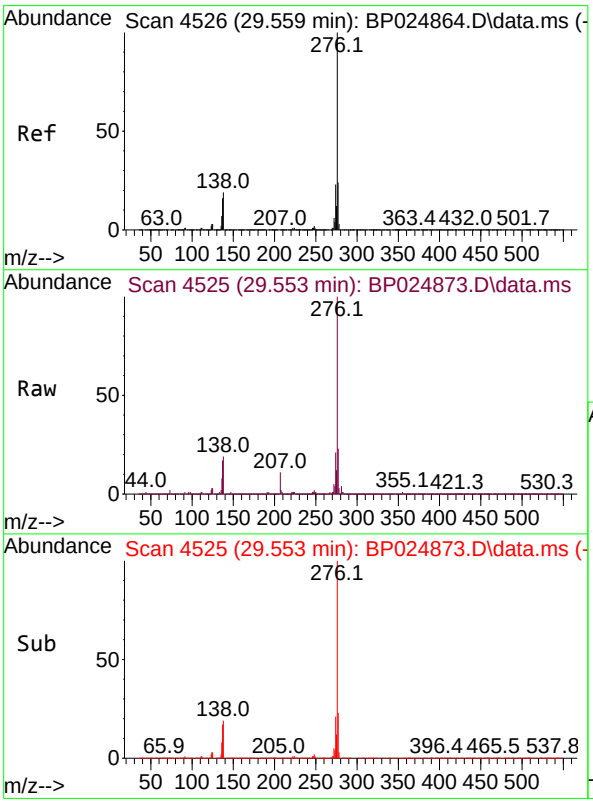
#91
Dibenzo(a,h)anthracene
Concen: 47.615 ng
RT: 28.465 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Instrument :
BNA_P
ClientSampleId :
PB168323BS

Tgt Ion:278 Resp: 4377382

Ion	Ratio	Lower	Upper
278	100		
139	14.2	12.0	18.0
279	24.0	19.1	28.7

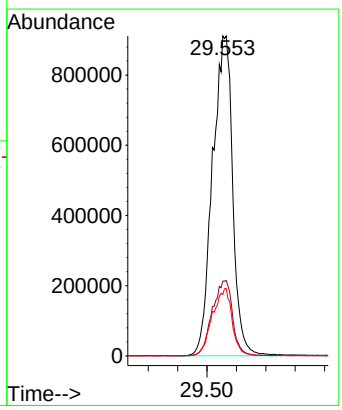




#92
Benzo(g,h,i)perylene
Concen: 47.614 ng
RT: 29.553 min Scan# 4525
Delta R.T. -0.006 min
Lab File: BP024873.D
Acq: 09 Jun 2025 12:05

Tgt Ion:276 Resp: 4343110

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.1	28.7
138	19.2	15.4	23.2



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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/04/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	06/04/25
Client Sample ID:	GW-MW01-060425MS	SDG No.:	Q2230
Lab Sample ID:	Q2230-03MS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024879.D	1	06/06/25 08:35	06/09/25 16:14	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
91-20-3	Naphthalene	42.7		0.52	5.20	ug/L
208-96-8	Acenaphthylene	50.7		0.78	5.20	ug/L
83-32-9	Acenaphthene	52.1		0.57	5.20	ug/L
86-73-7	Fluorene	53.8		0.66	5.20	ug/L
85-01-8	Phenanthrene	53.7		0.52	5.20	ug/L
120-12-7	Anthracene	53.8		0.64	5.20	ug/L
206-44-0	Fluoranthene	57.7		0.85	5.20	ug/L
129-00-0	Pyrene	51.4		0.52	5.20	ug/L
56-55-3	Benzo(a)anthracene	54.6		0.47	5.20	ug/L
218-01-9	Chrysene	53.4		0.46	5.20	ug/L
205-99-2	Benzo(b)fluoranthene	56.2		0.51	5.20	ug/L
207-08-9	Benzo(k)fluoranthene	53.1		0.50	5.20	ug/L
50-32-8	Benzo(a)pyrene	54.1		0.57	5.20	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	56.3		0.61	5.20	ug/L
53-70-3	Dibenzo(a,h)anthracene	57.5		0.70	5.20	ug/L
191-24-2	Benzo(g,h,i)perylene	56.4		0.72	5.20	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	90.5		67 - 132	91%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.6		52 - 132	86%	SPK: 100
1718-51-0	Terphenyl-d14	80.4		42 - 152	80%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	226000	7.608			
1146-65-2	Naphthalene-d8	938000	10.372			
15067-26-2	Acenaphthene-d10	608000	14.248			
1517-22-2	Phenanthrene-d10	1240000	17.042			
1719-03-5	Chrysene-d12	1490000	21.471			
1520-96-3	Perylene-d12	1840000	24.713			

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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	06/04/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	06/04/25
Client Sample ID:	GW-MW01-060425MS	SDG No.:	Q2230
Lab Sample ID:	Q2230-03MS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024879.D	1	06/06/25 08:35	06/09/25 16:14	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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\BP060925\
Data File : BP024879.D
Acq On : 09 Jun 2025 16:14
Operator : RC/JU
Sample : Q2230-03MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 09 16:37:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.608	152	226271	20.000	ng		0.00
21) Naphthalene-d8	10.372	136	937705	20.000	ng		0.00
39) Acenaphthene-d10	14.248	164	608220	20.000	ng		0.00
64) Phenanthrene-d10	17.042	188	1235201	20.000	ng		-0.02
76) Chrysene-d12	21.471	240	1490396	20.000	ng		-0.01
86) Perylene-d12	24.713	264	1839742	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.237	112	1074133	79.239	ng		0.00
7) Phenol-d6	6.813	99	910001	50.737	ng		0.00
23) Nitrobenzene-d5	8.755	82	1746878	90.525	ng		0.00
42) 2,4,6-Tribromophenol	15.766	330	1358561	161.561	ng		-0.02
45) 2-Fluorobiphenyl	12.854	172	3865377	85.613	ng		0.00
79) Terphenyl-d14	19.772	244	6686167	80.403	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.161	88	103583	17.366	ng		98
3) Pyridine	3.567	79	219668	15.314	ng		99
4) n-Nitrosodimethylamine	3.472	42	133962	22.843	ng	#	97
6) Aniline	6.949	93	639123	27.923	ng		99
8) 2-Chlorophenol	7.184	128	670519	43.633	ng		99
9) Benzaldehyde	6.761	77	392669	37.983	ng	#	78
10) Phenol	6.837	94	339071	18.338	ng		97
11) bis(2-Chloroethyl)ether	7.043	93	715637	49.210	ng		99
12) 1,3-Dichlorobenzene	7.496	146	416765	24.311	ng		97
13) 1,4-Dichlorobenzene	7.643	146	432880	25.026	ng		99
14) 1,2-Dichlorobenzene	7.949	146	451268	26.568	ng		99
15) Benzyl Alcohol	7.855	79	501705	36.448	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.119	45	819608	43.061	ng		100
17) 2-Methylphenol	8.066	107	478615	37.069	ng		99
18) Hexachloroethane	8.666	117	155606m	23.894	ng		
19) n-Nitroso-di-n-propyla...	8.407	70	589747	48.369	ng		99
20) 3+4-Methylphenols	8.390	107	696463	39.537	ng		96
22) Acetophenone	8.425	105	1270478	53.626	ng		98
24) Nitrobenzene	8.802	77	903653	52.712	ng		100
25) Isophorone	9.319	82	1657547	49.562	ng		100
26) 2-Nitrophenol	9.502	139	428106	50.612	ng		100
27) 2,4-Dimethylphenol	9.572	122	669434	46.243	ng		99
28) bis(2-Chloroethoxy)met...	9.796	93	999092	50.080	ng		100
29) 2,4-Dichlorophenol	10.049	162	707035	50.902	ng		98
30) 1,2,4-Trichlorobenzene	10.243	180	516309	32.956	ng		98
31) Naphthalene	10.419	128	1968432	40.963	ng		99
32) Benzoic acid	9.731	122	287683	29.408	ng		97
33) 4-Chloroaniline	10.549	127	606221	30.111	ng		100
34) Hexachlorobutadiene	10.701	225	262066	27.754	ng		99
35) Caprolactam	11.384	113	57413	11.229	ng		91
36) 4-Chloro-3-methylphenol	11.696	107	778238	48.575	ng		99
37) 2-Methylnaphthalene	12.043	142	1423955	46.715	ng		100
38) 1-Methylnaphthalene	12.260	142	1532980	47.041	ng		99
40) 1,2,4,5-Tetrachloroben...	12.419	216	772203	44.743	ng		100
41) Hexachlorocyclopentadiene	12.390	237	634443	60.270	ng		98
43) 2,4,6-Trichlorophenol	12.672	196	619974	53.491	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024879.D
Acq On : 09 Jun 2025 16:14
Operator : RC/JU
Sample : Q2230-03MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 09 16:37:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.760	196	689722	55.567	ng		99
46) 1,1'-Biphenyl	13.066	154	2130271	48.195	ng		99
47) 2-Chloronaphthalene	13.113	162	1586923	46.713	ng		99
48) 2-Nitroaniline	13.331	65	513858	49.201	ng		98
49) Acenaphthylene	13.966	152	2758277	48.695	ng		100
50) Dimethylphthalate	13.707	163	2326607	51.855	ng		99
51) 2,6-Dinitrotoluene	13.831	165	520460	53.809	ng		98
52) Acenaphthene	14.313	154	1623696	50.024	ng		100
53) 3-Nitroaniline	14.172	138	327021	32.579	ng		97
54) 2,4-Dinitrophenol	14.390	184	631766	98.895	ng		97
55) Dibenzofuran	14.654	168	2632901	50.534	ng		99
56) 4-Nitrophenol	14.531	139	373587	46.400	ng		96
57) 2,4-Dinitrotoluene	14.637	165	781392	57.752	ng		94
58) Fluorene	15.313	166	2173195	51.633	ng		98
59) 2,3,4,6-Tetrachlorophenol	14.895	232	614576	55.416	ng		99
60) Diethylphthalate	15.089	149	2433354	54.419	ng		98
61) 4-Chlorophenyl-phenyle...	15.307	204	1058252	51.423	ng		99
62) 4-Nitroaniline	15.354	138	410751	45.131	ng		92
63) Azobenzene	15.607	77	2201630	53.685	ng		98
65) 4,6-Dinitro-2-methylph...	15.413	198	417305	51.415	ng		98
66) n-Nitrosodiphenylamine	15.537	169	1925767	50.300	ng		100
67) 4-Bromophenyl-phenylether	16.219	248	709283	50.892	ng		99
68) Hexachlorobenzene	16.336	284	866860	51.306	ng		95
69) Atrazine	16.513	200	769920	55.473	ng		99
70) Pentachlorophenol	16.701	266	1182979	135.284	ng		99
71) Phenanthrene	17.089	178	3521952	51.597	ng		99
72) Anthracene	17.183	178	3572743	51.681	ng		100
73) Carbazole	17.466	167	3563378	55.611	ng		99
74) Di-n-butylphthalate	18.048	149	4450239	56.055	ng		100
75) Fluoranthene	19.172	202	4382489	55.394	ng		99
77) Benzidine	19.395	184	20413m	0.442	ng		
78) Pyrene	19.542	202	4596154	49.362	ng		100
80) Butylbenzylphthalate	20.501	149	2325334	54.521	ng		96
81) Benzo(a)anthracene	21.448	228	4992990	52.380	ng		100
82) 3,3'-Dichlorobenzidine	21.377	252	694512	18.352	ng		99
83) Chrysene	21.519	228	4628895	51.249	ng		99
84) Bis(2-ethylhexyl)phtha...	21.383	149	3362786	55.031	ng		99
85) Di-n-octyl phthalate	22.624	149	6039039	56.069	ng		99
87) Indeno(1,2,3-cd)pyrene	28.395	276	7251483	54.022	ng	#	94
88) Benzo(b)fluoranthene	23.695	252	5677984	53.928	ng		99
89) Benzo(k)fluoranthene	23.760	252	5461372	50.958	ng		99
90) Benzo(a)pyrene	24.565	252	5342607	51.959	ng		99
91) Dibenzo(a,h)anthracene	28.465	278	6032384	55.211	ng		100
92) Benzo(g,h,i)perylene	29.536	276	5867002	54.120	ng		99

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

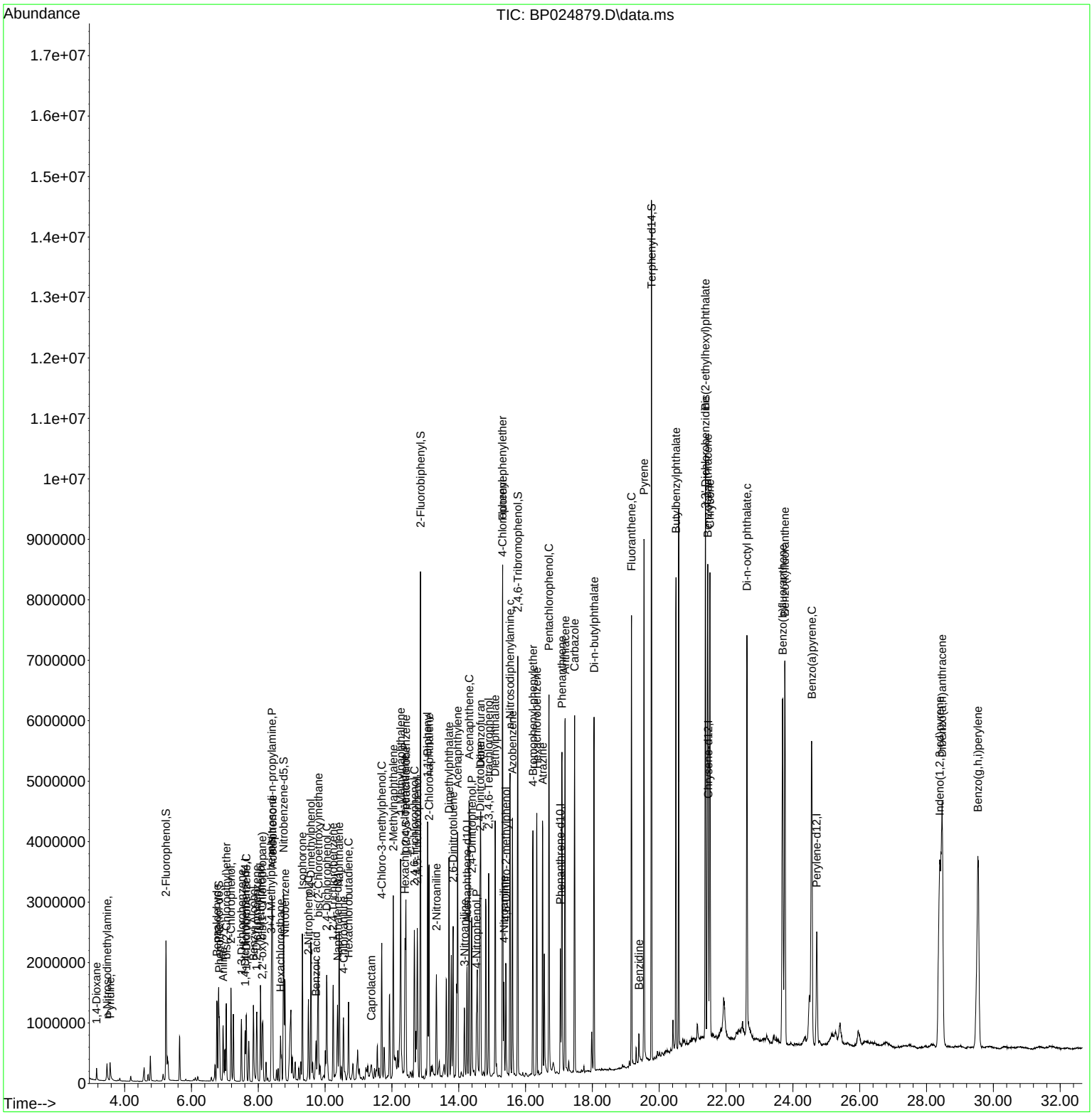
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Data File : BP024879.D
Acq On : 09 Jun 2025 16:14
Operator : RC/JU
Sample : Q2230-03MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

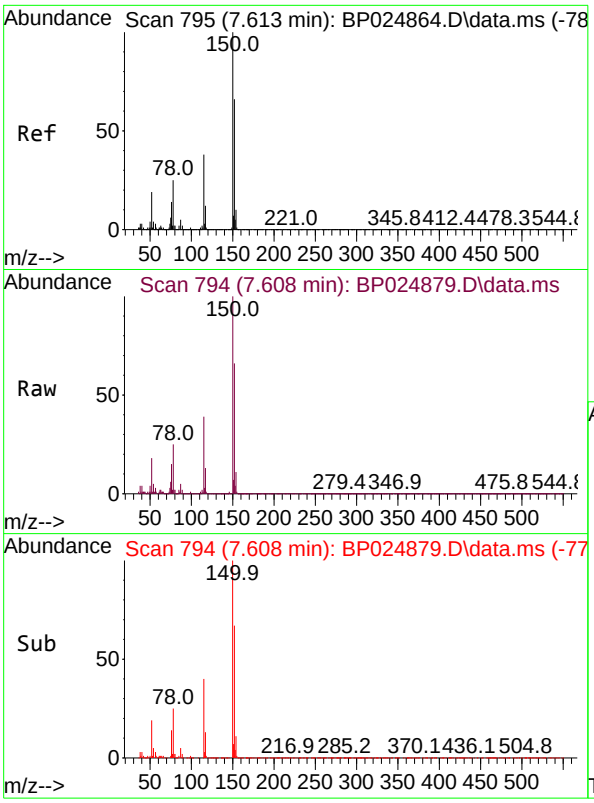
Quant Time: Jun 09 16:37:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

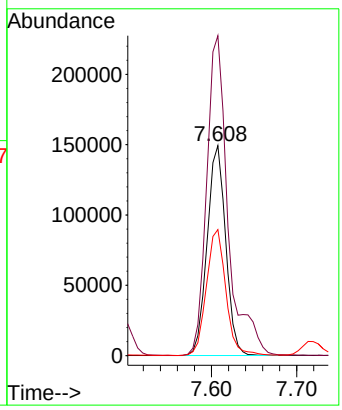




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 79
Delta R.T. -0.005 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:152 Resp: 22627

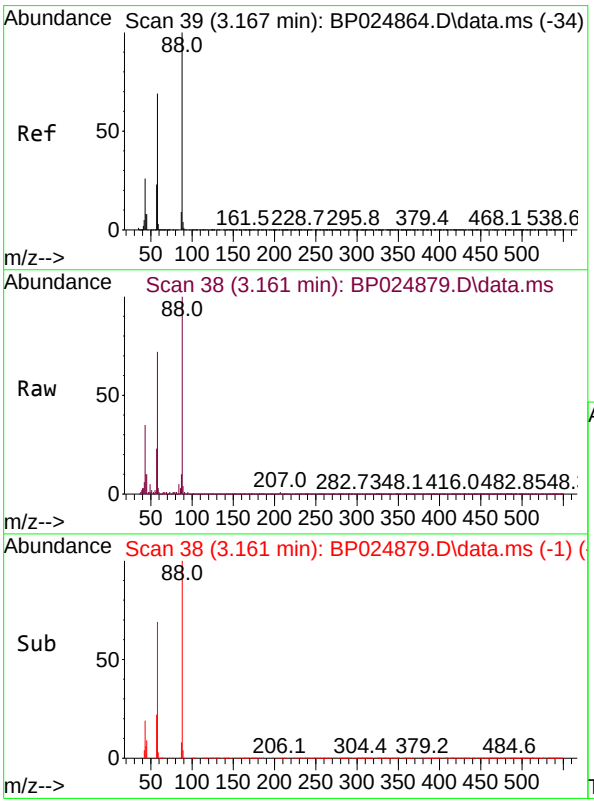
Ion	Ratio	Lower	Upper
152	100		
150	152.4	122.1	183.1
115	60.1	46.4	69.6



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations APPROVED

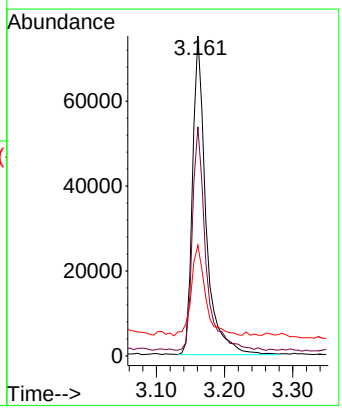
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

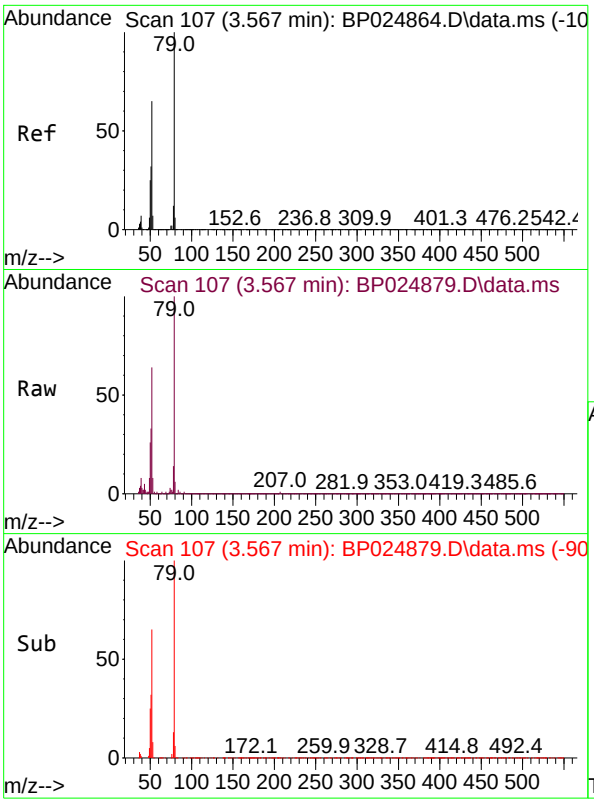


#2
1,4-Dioxane
Concen: 17.366 ng
RT: 3.161 min Scan# 38
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion: 88 Resp: 103583

Ion	Ratio	Lower	Upper
88	100		
58	69.6	55.4	83.0
43	29.8	20.8	31.2

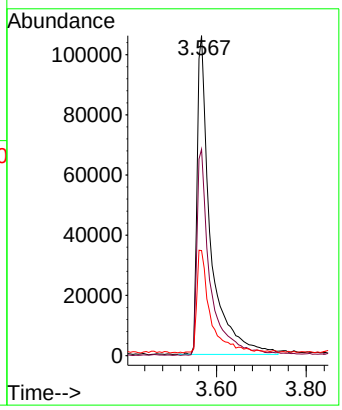




#3
Pyridine
Concen: 15.314 ng
RT: 3.567 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion: 79 Resp: 21966

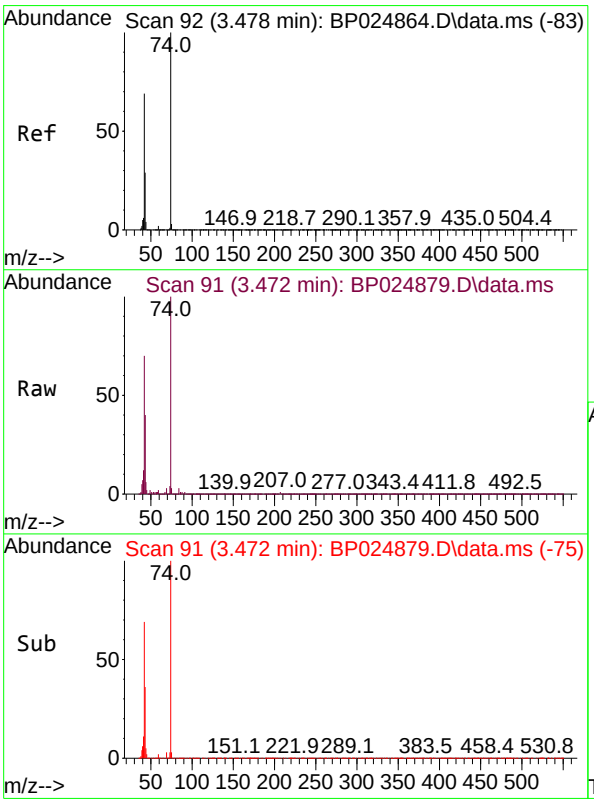
Ion	Ratio	Lower	Upper
79	100		
52	64.5	51.6	77.4
51	32.8	25.5	38.3



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations APPROVED

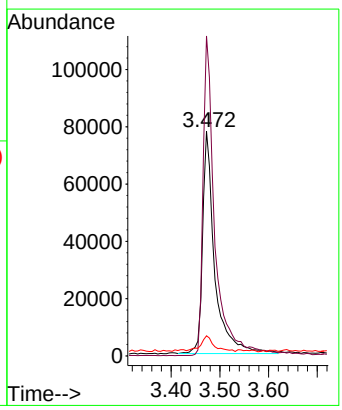
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

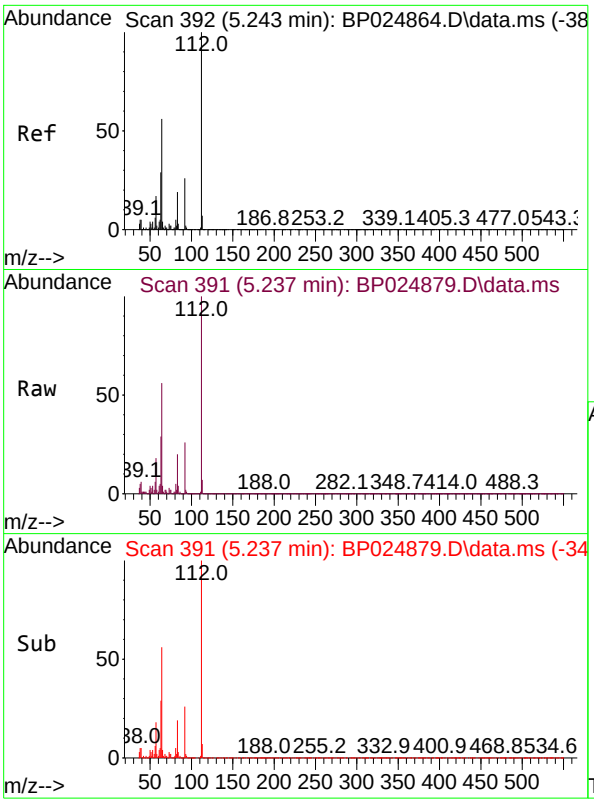


#4
n-Nitrosodimethylamine
Concen: 22.843 ng
RT: 3.472 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion: 42 Resp: 133962

Ion	Ratio	Lower	Upper
42	100		
74	142.5	116.6	174.8
44	9.0	5.4	8.0#

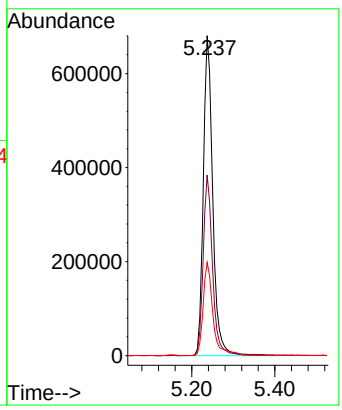




#5
2-Fluorophenol
Concen: 79.239 ng
RT: 5.237 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:112 Resp: 107413

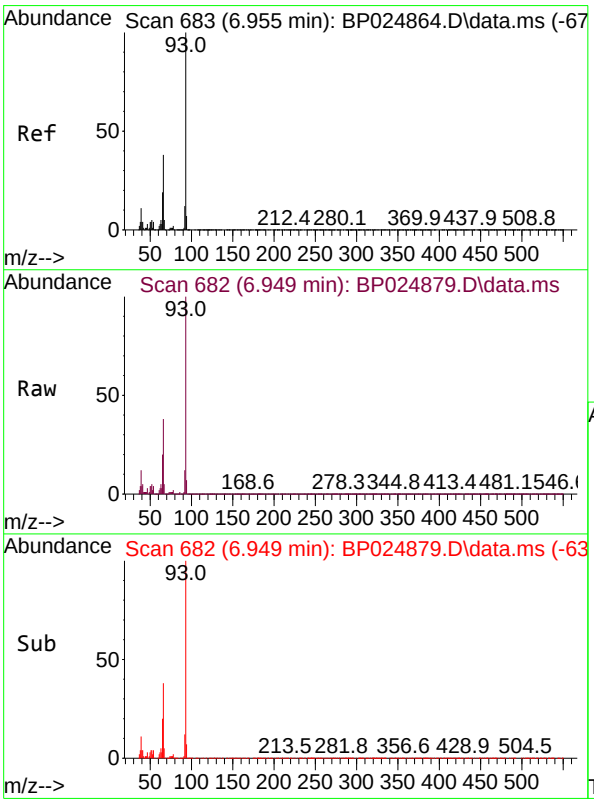
Ion	Ratio	Lower	Upper
112	100		
64	56.4	44.7	67.1
63	29.1	23.5	35.3



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

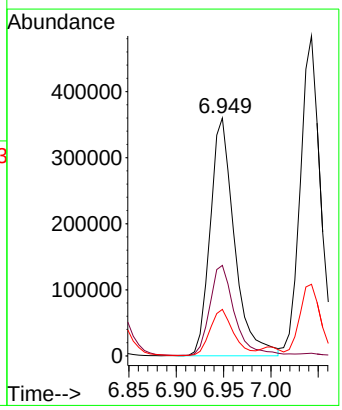
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

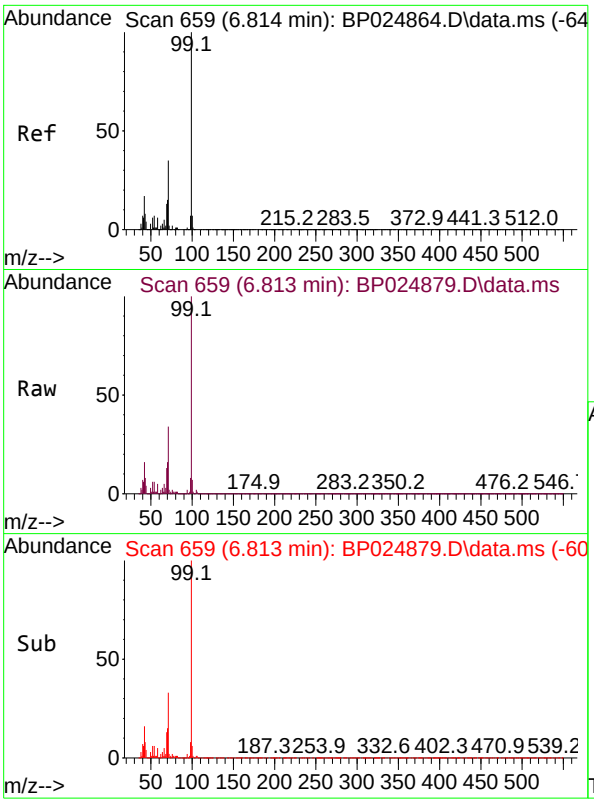


#6
Aniline
Concen: 27.923 ng
RT: 6.949 min Scan# 682
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion: 93 Resp: 639123

Ion	Ratio	Lower	Upper
93	100		
66	38.1	30.9	46.3
65	19.6	15.5	23.3

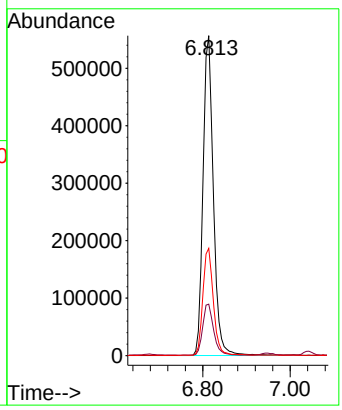




#7
Phenol-d6
Concen: 50.737 ng
RT: 6.813 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion: 99 Resp: 91000

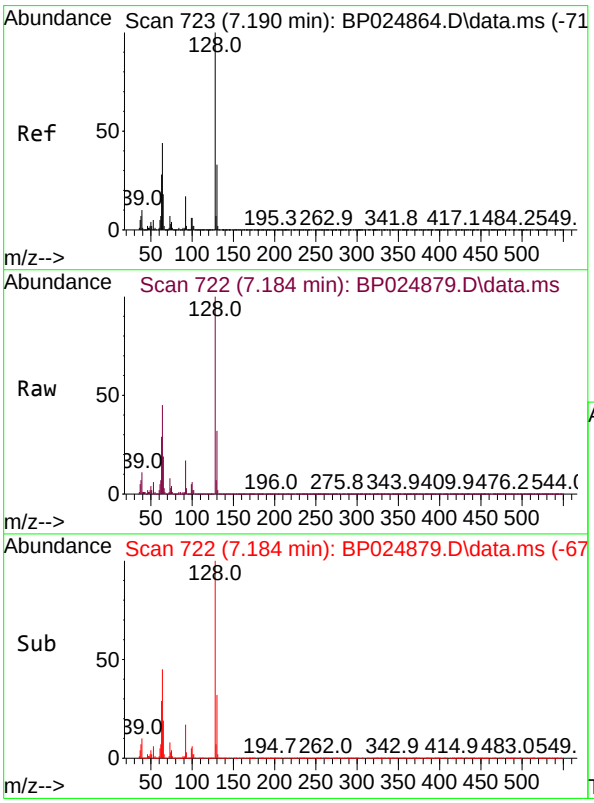
Ion	Ratio	Lower	Upper
99	100		
42	16.1	13.4	20.2
71	33.5	27.6	41.4



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

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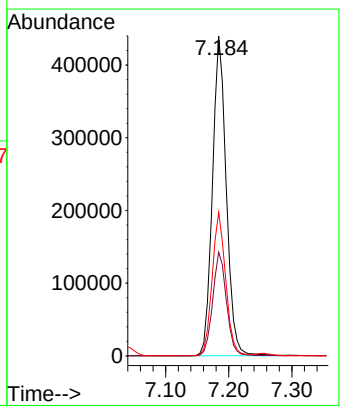
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

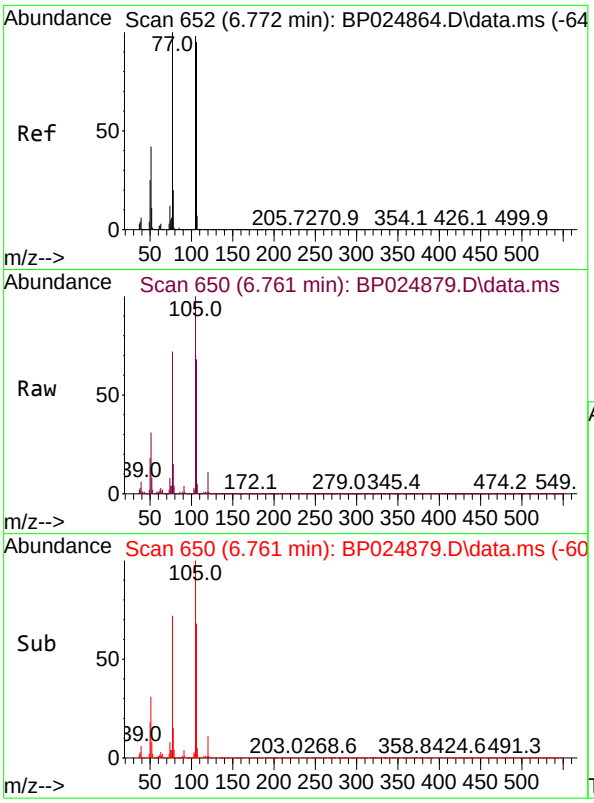


#8
2-Chlorophenol
Concen: 43.633 ng
RT: 7.184 min Scan# 722
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:128 Resp: 670519

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.6	52.6
64	44.9	24.1	64.1

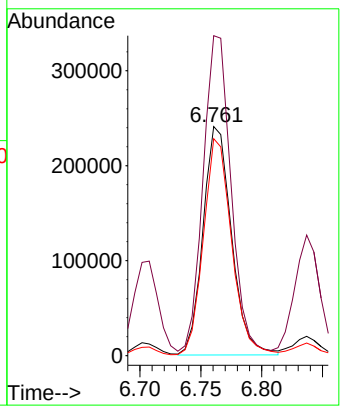




#9
Benzaldehyde
Concen: 37.983 ng
RT: 6.761 min Scan# 6
Delta R.T. -0.012 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion: 77 Resp: 39266

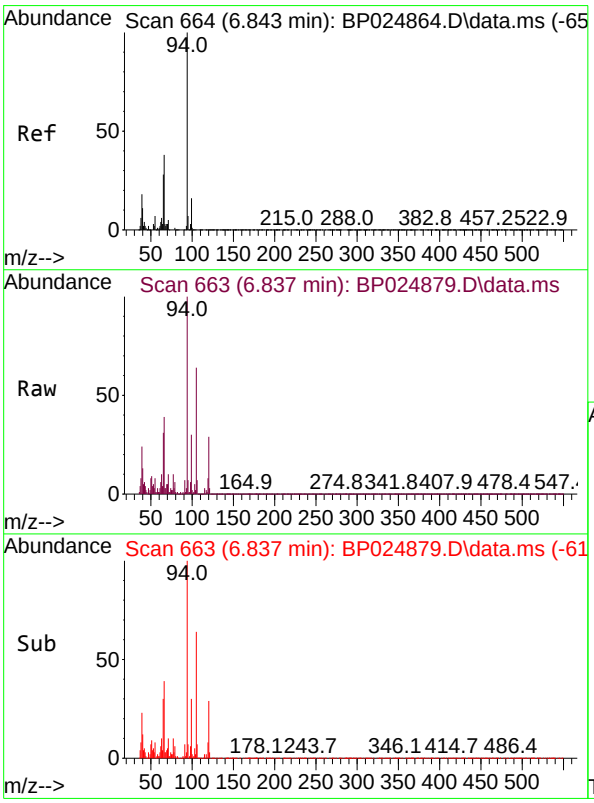
Ion	Ratio	Lower	Upper
77	100		
105	139.7	77.7	117.7
106	94.7	74.8	114.8



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
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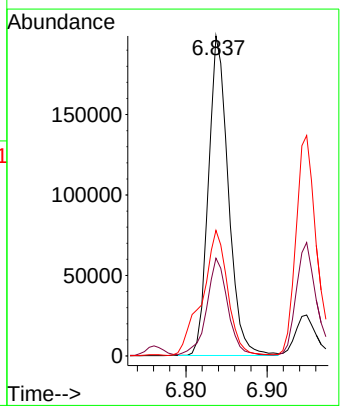
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

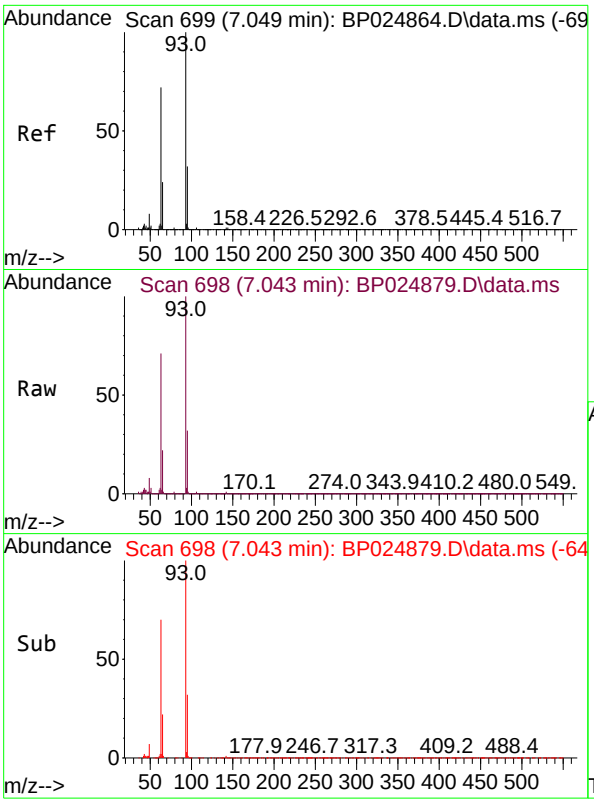


#10
Phenol
Concen: 18.338 ng
RT: 6.837 min Scan# 663
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion: 94 Resp: 339071

Ion	Ratio	Lower	Upper
94	100		
65	30.5	8.3	48.3
66	39.3	18.2	58.2

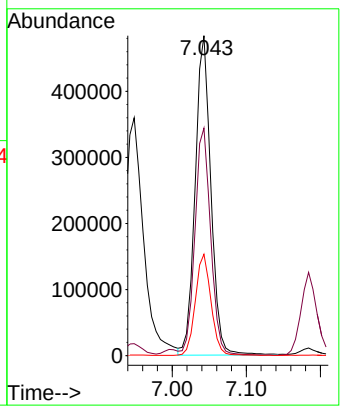




#11
bis(2-Chloroethyl)ether
Concen: 49.210 ng
RT: 7.043 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion: 93 Resp: 7156

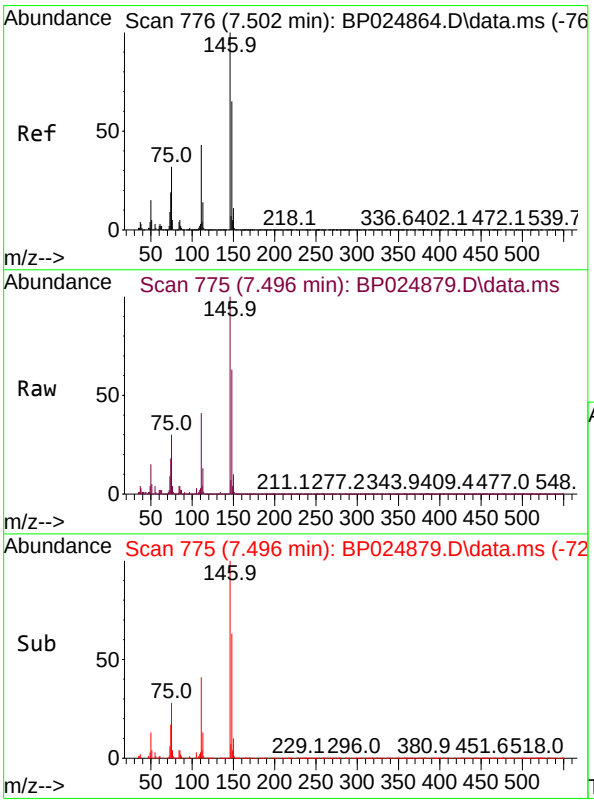
Ion	Ratio	Lower	Upper
93	100		
63	71.1	51.6	91.6
95	31.7	12.1	52.1



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations APPROVED

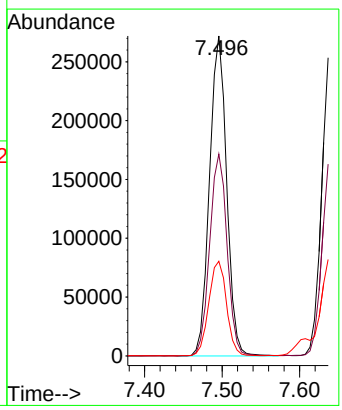
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

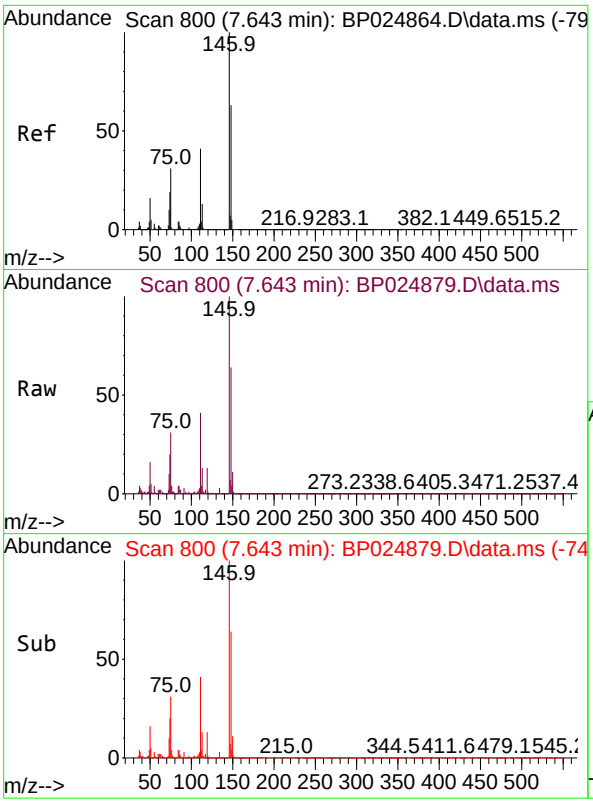


#12
1,3-Dichlorobenzene
Concen: 24.311 ng
RT: 7.496 min Scan# 775
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:146 Resp: 416765

Ion	Ratio	Lower	Upper
146	100		
148	63.1	51.8	77.8
75	29.6	25.3	37.9

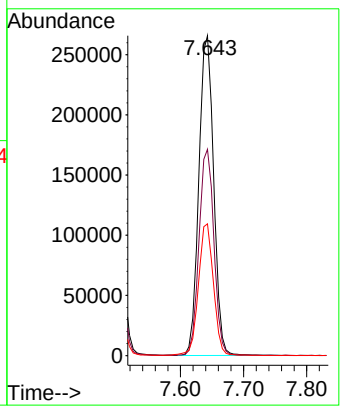




#13
1,4-Dichlorobenzene
Concen: 25.026 ng
RT: 7.643 min Scan# 80
Delta R.T. -0.000 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:146 Resp: 43288

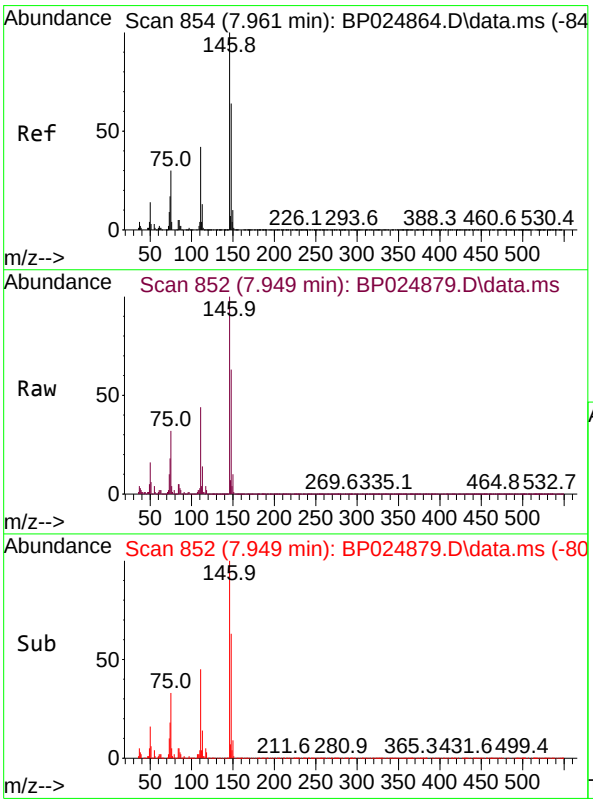
Ion	Ratio	Lower	Upper
146	100		
148	64.5	50.8	76.2
111	41.2	32.7	49.1



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
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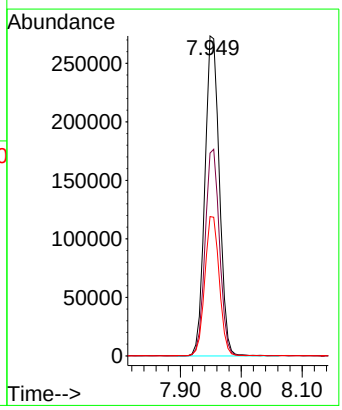
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

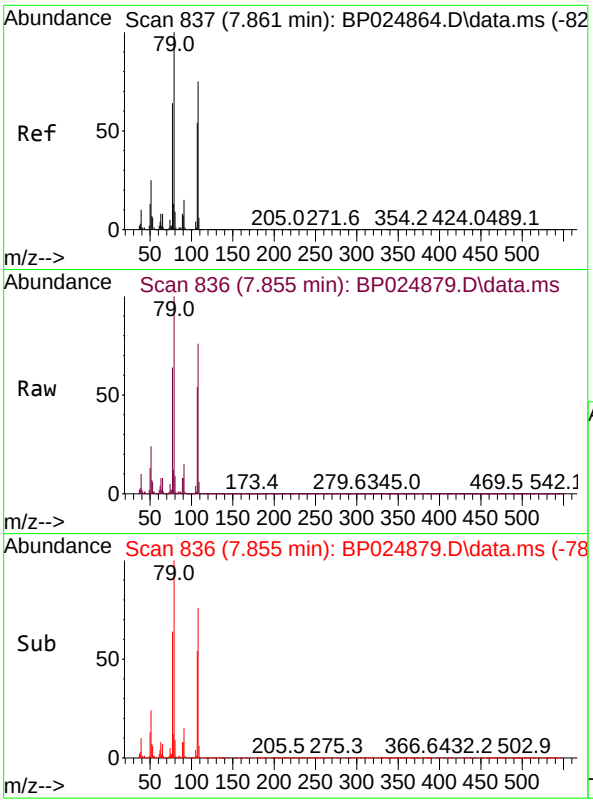


#14
1,2-Dichlorobenzene
Concen: 26.568 ng
RT: 7.949 min Scan# 852
Delta R.T. -0.012 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:146 Resp: 451268

Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.0	76.4
111	43.5	33.8	50.8

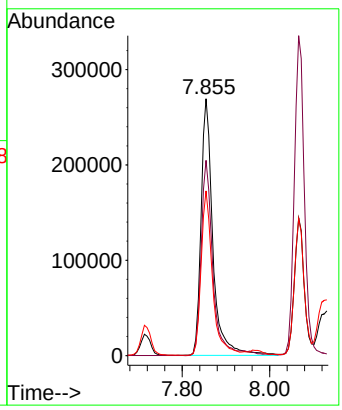




#15
Benzyl Alcohol
Concen: 36.448 ng
RT: 7.855 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion: 79 Resp: 50170

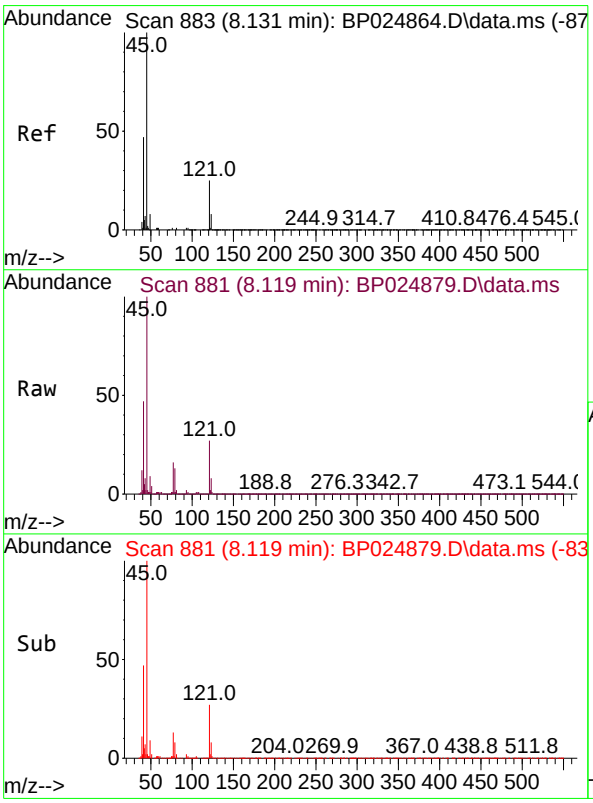
Ion	Ratio	Lower	Upper
79	100		
108	76.0	60.2	90.4
77	64.1	51.2	76.8



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations APPROVED

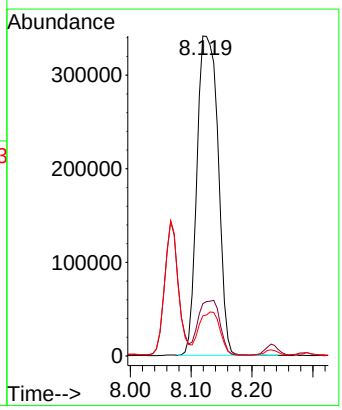
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

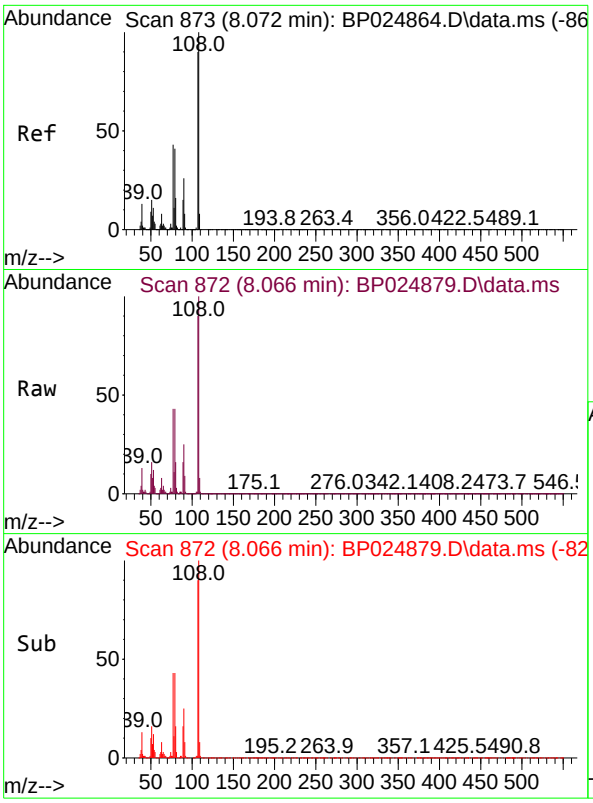


#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.061 ng
RT: 8.119 min Scan# 881
Delta R.T. -0.012 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion: 45 Resp: 819608

Ion	Ratio	Lower	Upper
45	100		
77	16.3	0.0	36.3
79	12.6	0.0	32.2

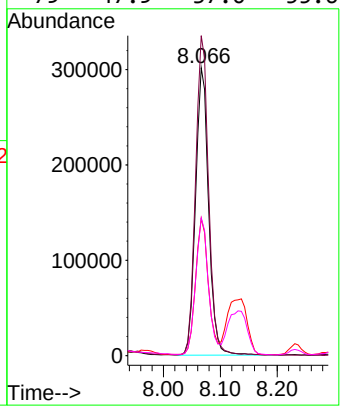




#17
2-Methylphenol
Concen: 37.069 ng
RT: 8.066 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:107 Resp: 47861

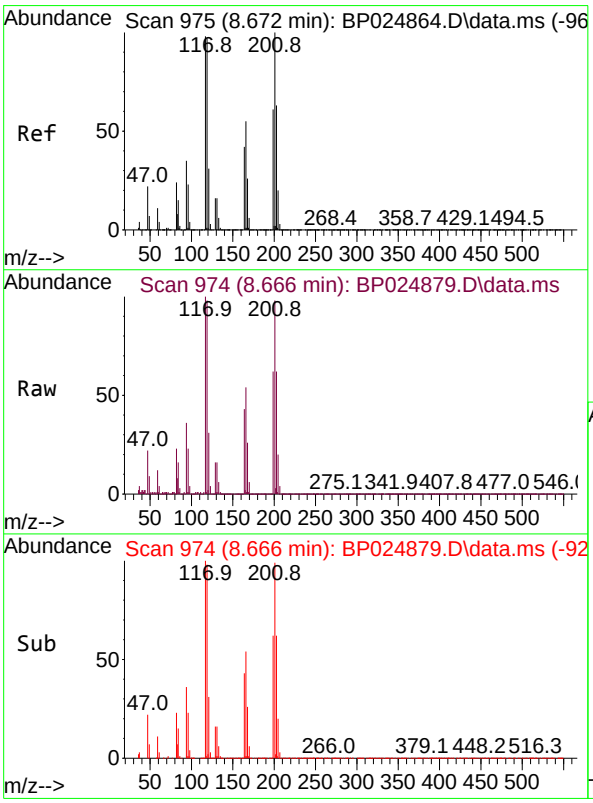
Ion	Ratio	Lower	Upper
107	100		
108	111.2	88.6	132.8
77	47.7	38.5	57.7
79	47.9	37.0	55.6



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
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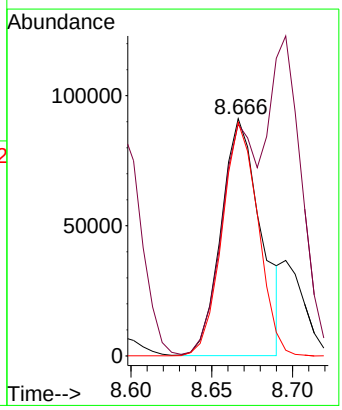
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

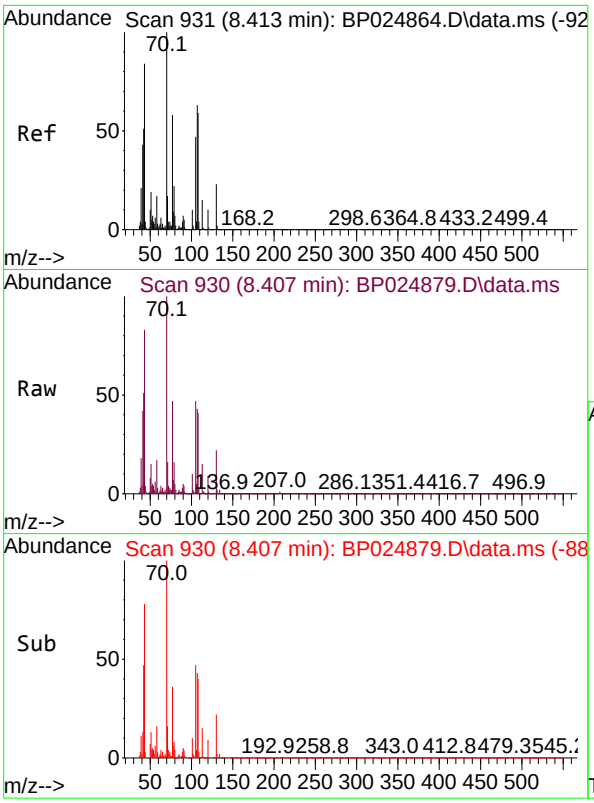


#18
Hexachloroethane
Concen: 23.894 ng m
RT: 8.666 min Scan# 974
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:117 Resp: 155606

Ion	Ratio	Lower	Upper
117	100		
119	97.7	79.4	119.2
201	98.4	81.4	122.2

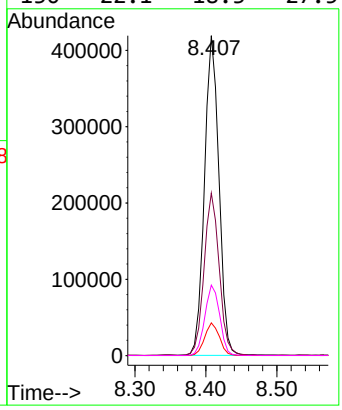




#19
n-Nitroso-di-n-propylamine
Concen: 48.369 ng
RT: 8.407 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

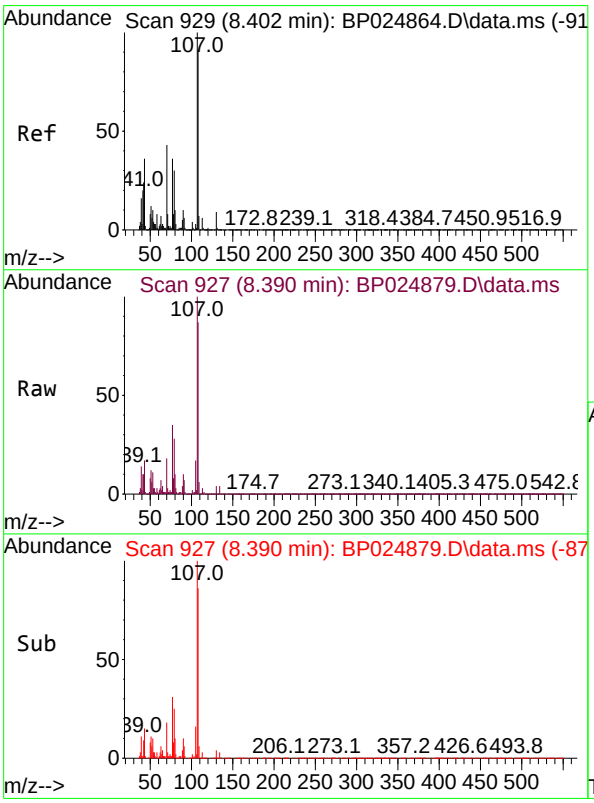
Tgt Ion: 70 Resp: 58974

Ion	Ratio	Lower	Upper
70	100		
42	50.8	41.2	61.8
101	10.2	8.3	12.5
130	22.1	18.3	27.5



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

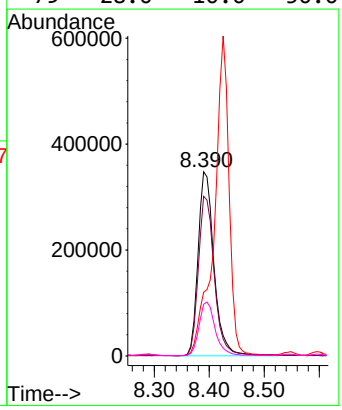
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Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

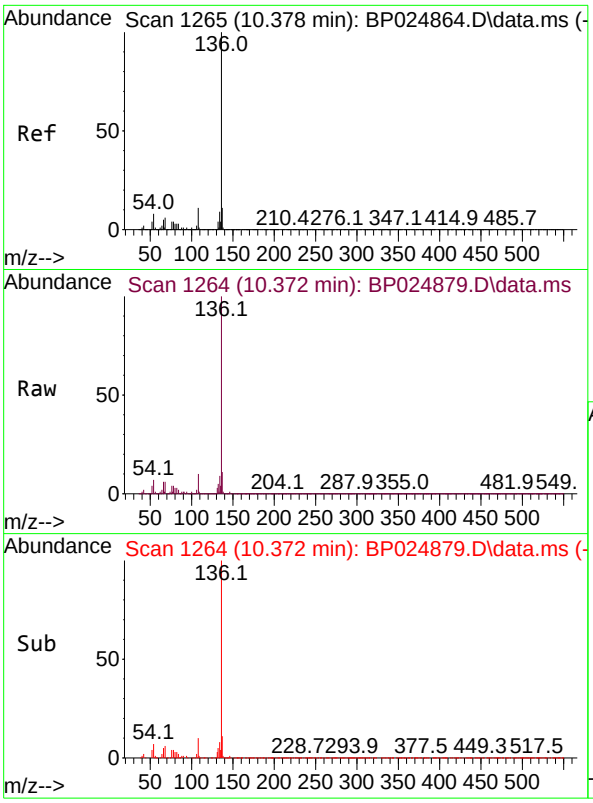


#20
3+4-Methylphenols
Concen: 39.537 ng
RT: 8.390 min Scan# 927
Delta R.T. -0.012 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:107 Resp: 696463

Ion	Ratio	Lower	Upper
107	100		
108	86.7	70.7	110.7
77	34.6	16.6	56.6
79	28.0	10.0	50.0

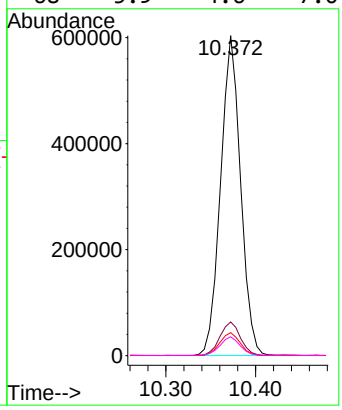




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.372 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:136 Resp: 93770

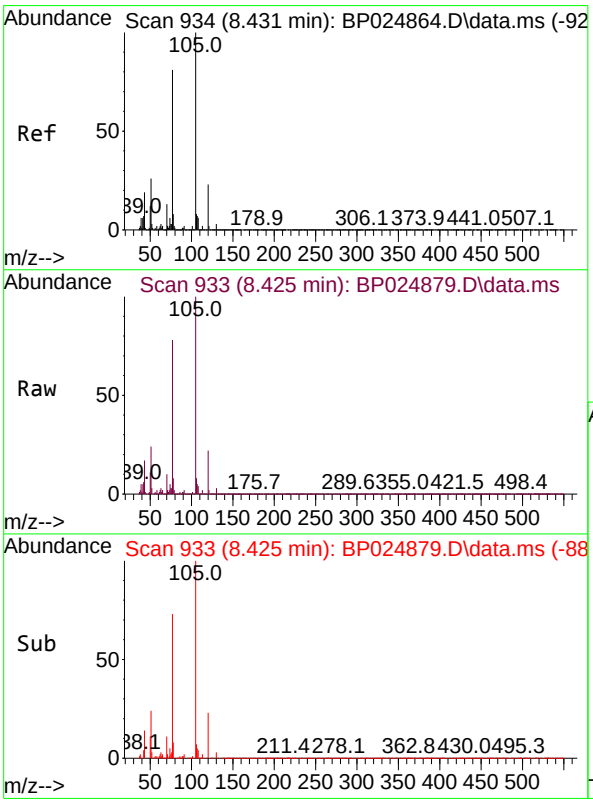
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	7.2	6.1	9.1
68	5.9	4.6	7.0



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
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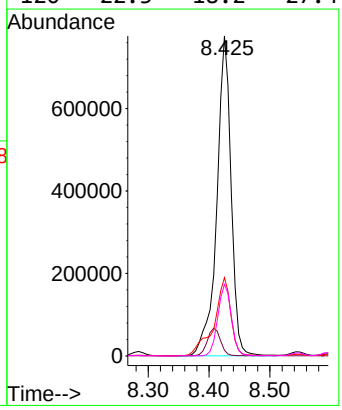
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

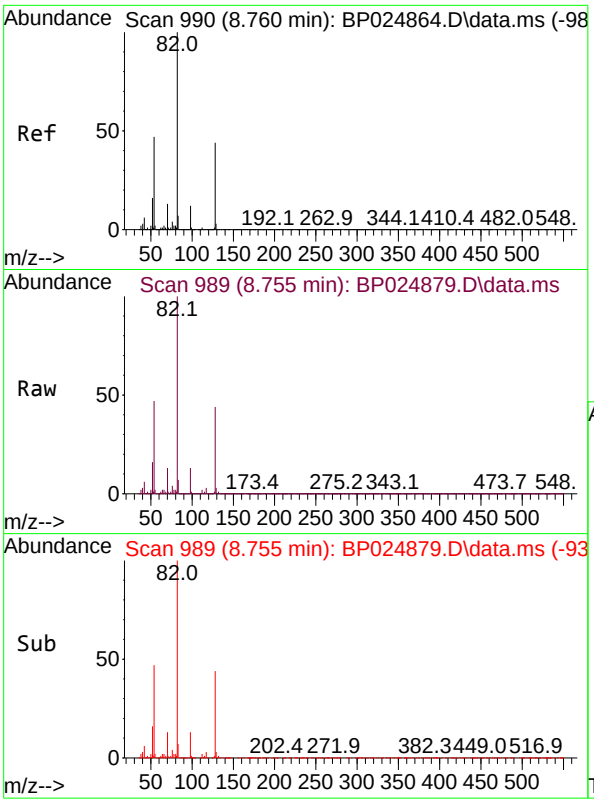


#22
Acetophenone
Concen: 53.626 ng
RT: 8.425 min Scan# 933
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:105 Resp: 1270478

Ion	Ratio	Lower	Upper
105	100		
71	1.8	1.6	2.4
51	24.4	20.6	31.0
120	22.3	18.2	27.4

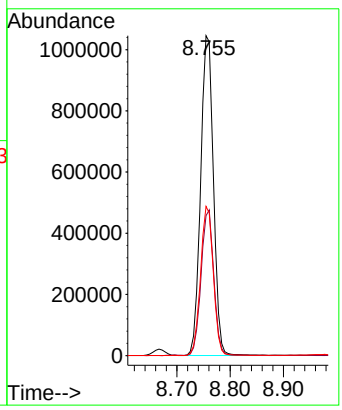




#23
Nitrobenzene-d5
Concen: 90.525 ng
RT: 8.755 min Scan# 98
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion: 82 Resp: 174687

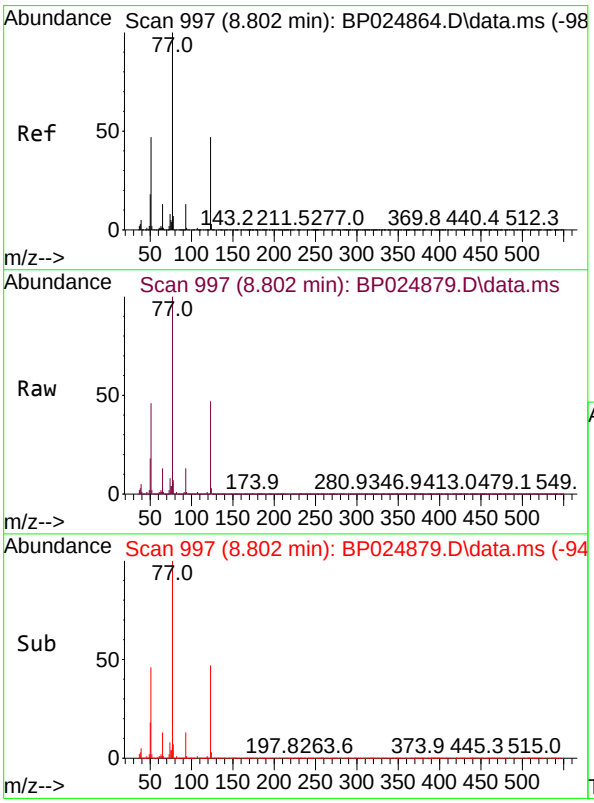
Ion	Ratio	Lower	Upper
82	100		
128	43.7	35.3	52.9
54	46.6	37.4	56.0



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

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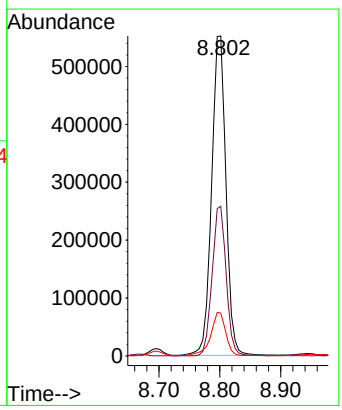
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

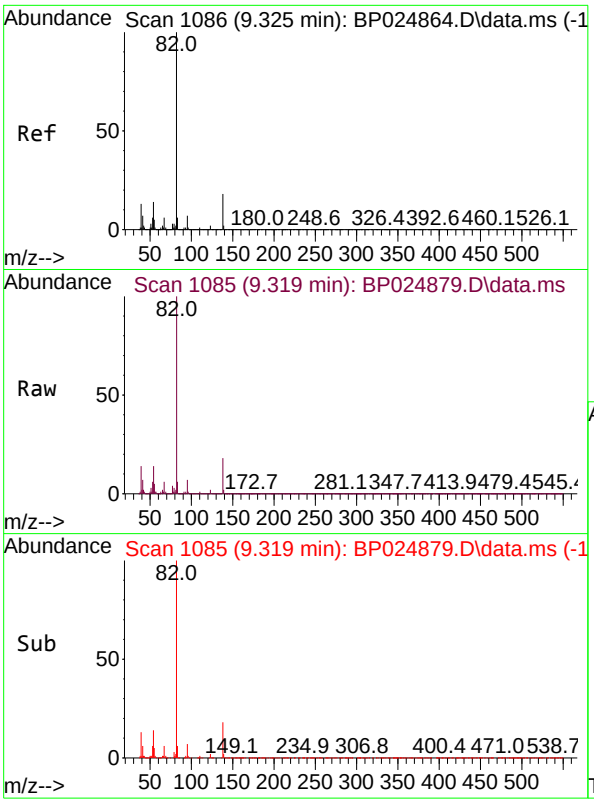


#24
Nitrobenzene
Concen: 52.712 ng
RT: 8.802 min Scan# 997
Delta R.T. -0.000 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion: 77 Resp: 903653

Ion	Ratio	Lower	Upper
77	100		
123	46.7	37.3	55.9
65	13.4	10.8	16.2





#25
Isophorone
Concen: 49.562 ng
RT: 9.319 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

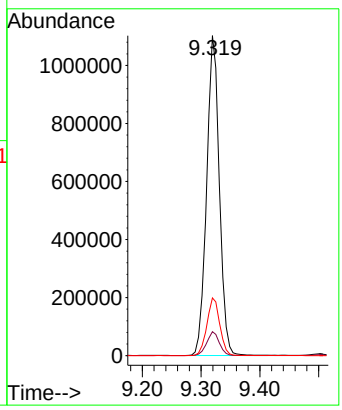
Tgt Ion: 82 Resp: 165754

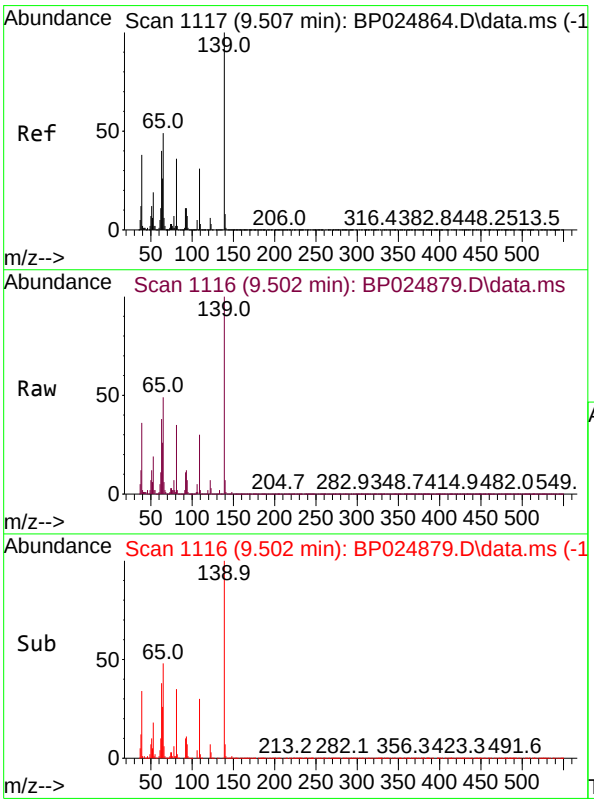
Ion	Ratio	Lower	Upper
82	100		
95	7.5	5.9	8.9
138	18.0	14.6	21.8

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

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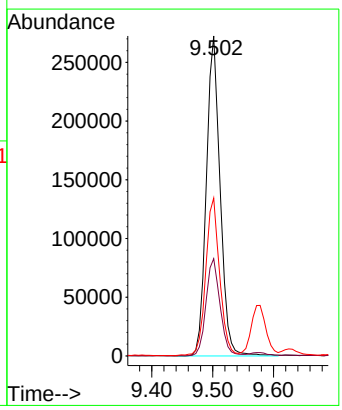


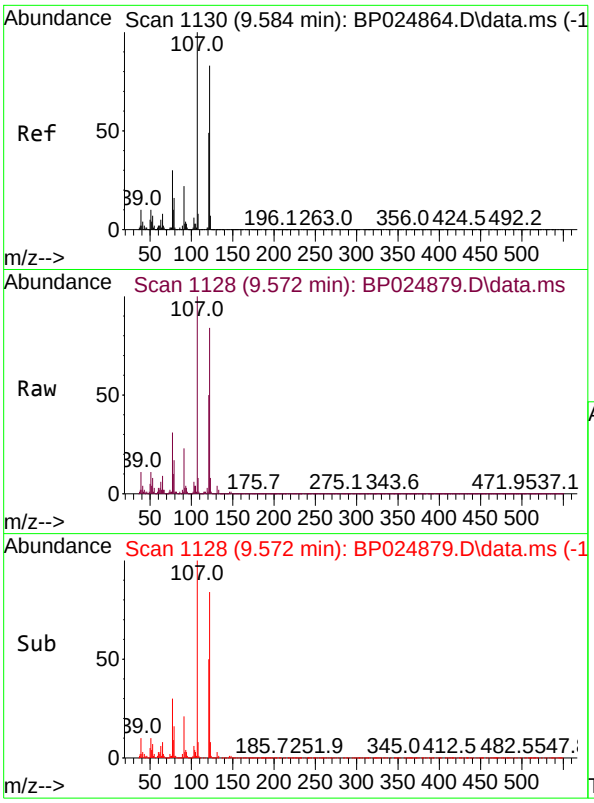


#26
2-Nitrophenol
Concen: 50.612 ng
RT: 9.502 min Scan# 1116
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:139 Resp: 428106

Ion	Ratio	Lower	Upper
139	100		
109	30.4	24.6	37.0
65	49.3	39.5	59.3

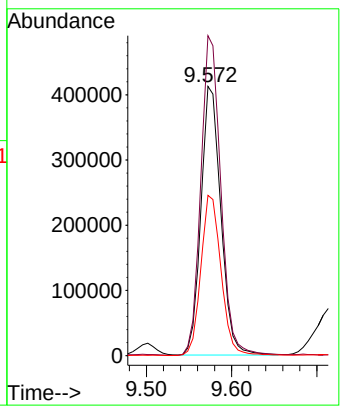




#27
2,4-Dimethylphenol
Concen: 46.243 ng
RT: 9.572 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:122 Resp: 669434

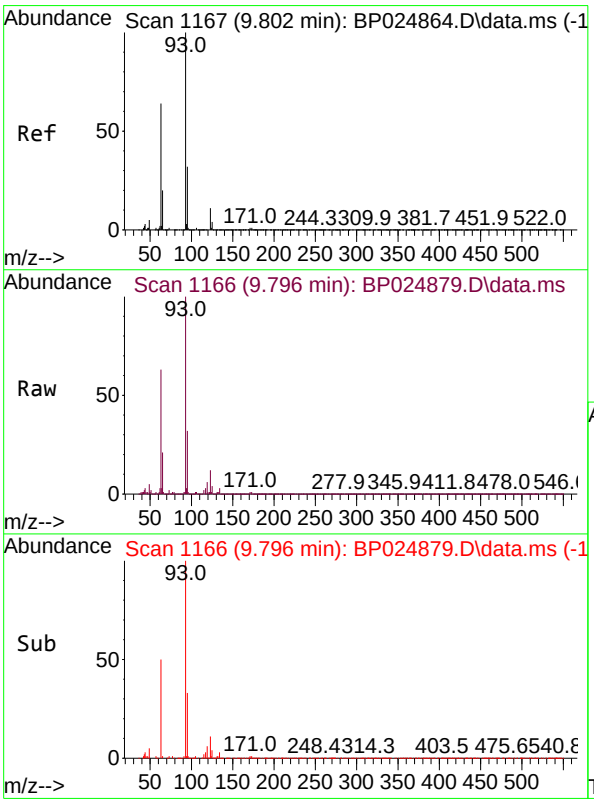
Ion	Ratio	Lower	Upper
122	100		
107	118.8	96.2	144.4
121	59.5	47.0	70.4



Instrument :
BNA_P
ClientSampleId :
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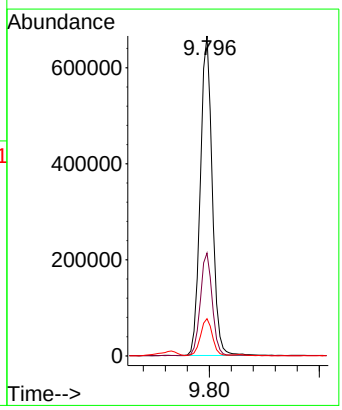
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

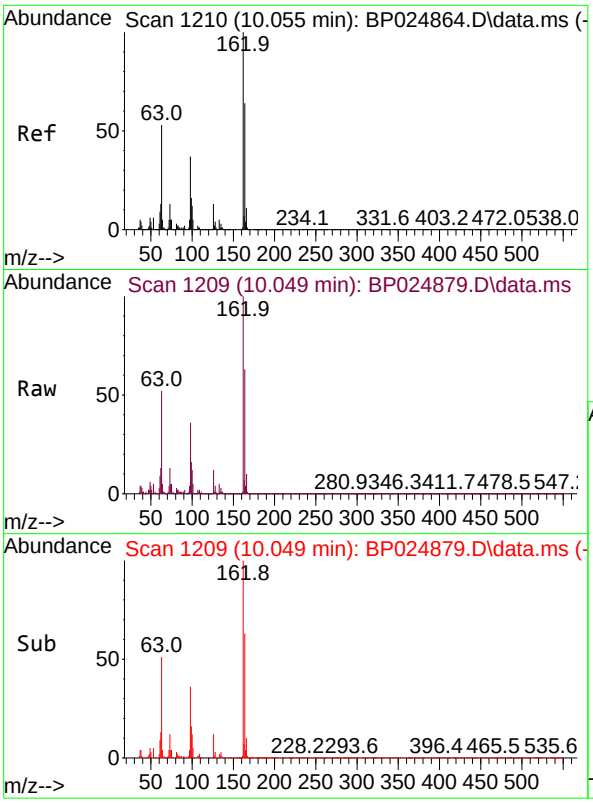


#28
bis(2-Chloroethoxy)methane
Concen: 50.080 ng
RT: 9.796 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion: 93 Resp: 999092

Ion	Ratio	Lower	Upper
93	100		
95	32.1	25.5	38.3
123	11.6	9.2	13.8





#29
2,4-Dichlorophenol
Concen: 50.902 ng
RT: 10.049 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

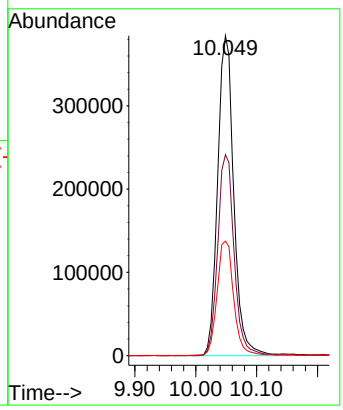
Tgt Ion:162 Resp: 70703

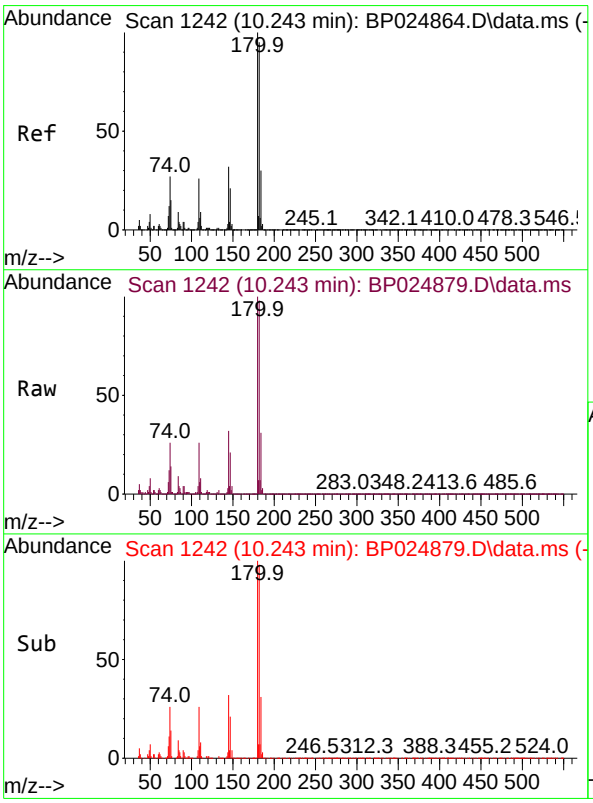
Ion	Ratio	Lower	Upper
162	100		
164	62.8	44.0	84.0
98	35.8	16.9	56.9

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

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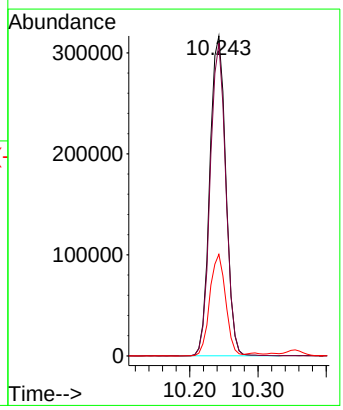


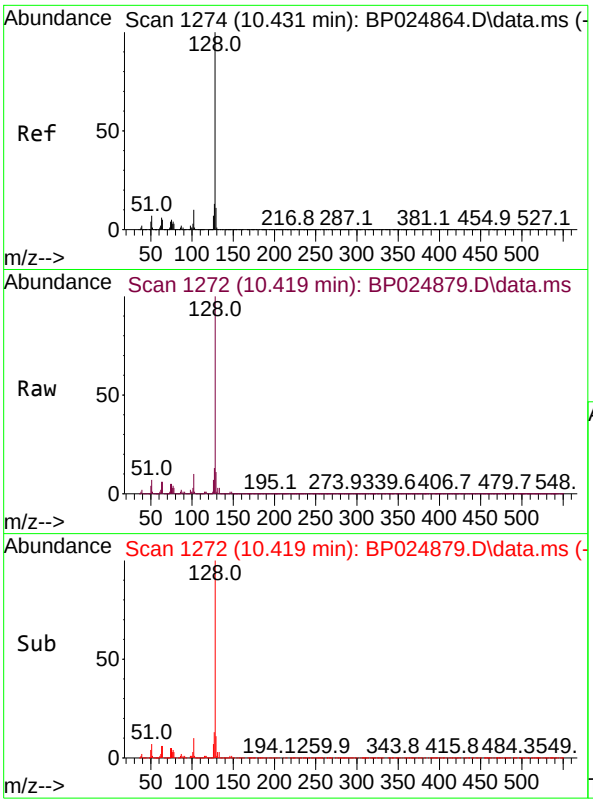


#30
1,2,4-Trichlorobenzene
Concen: 32.956 ng
RT: 10.243 min Scan# 1242
Delta R.T. -0.000 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:180 Resp: 516309

Ion	Ratio	Lower	Upper
180	100		
182	97.7	75.8	113.6
145	31.7	25.7	38.5

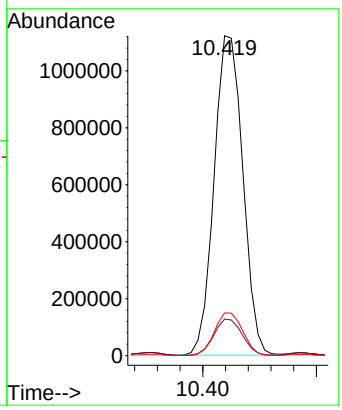




#31
Naphthalene
Concen: 40.963 ng
RT: 10.419 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:128 Resp: 196843

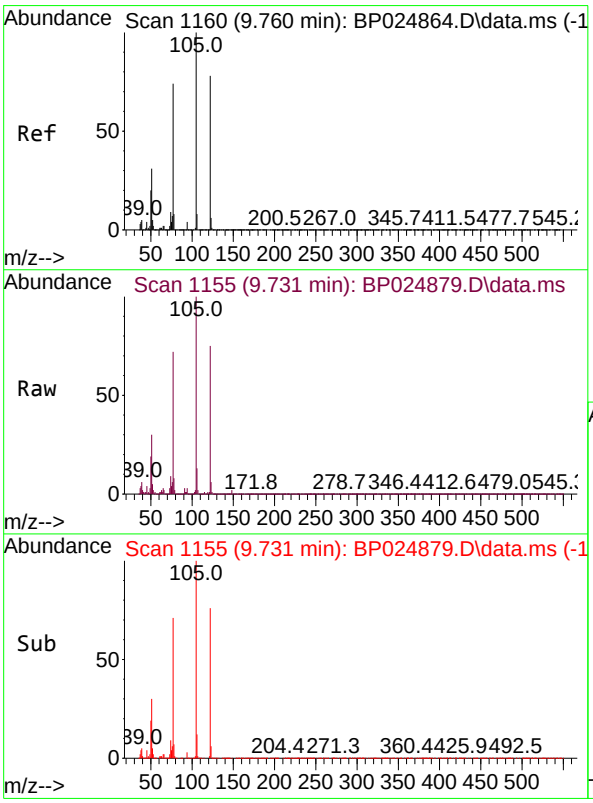
Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.7	13.1
127	13.3	10.7	16.1



Instrument :
BNA_P
ClientSampleId :
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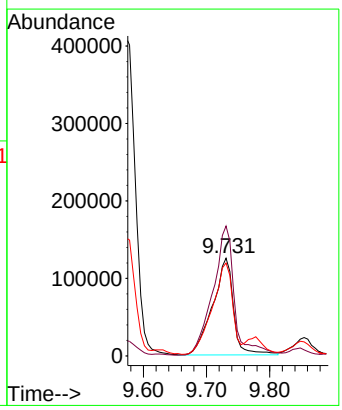
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

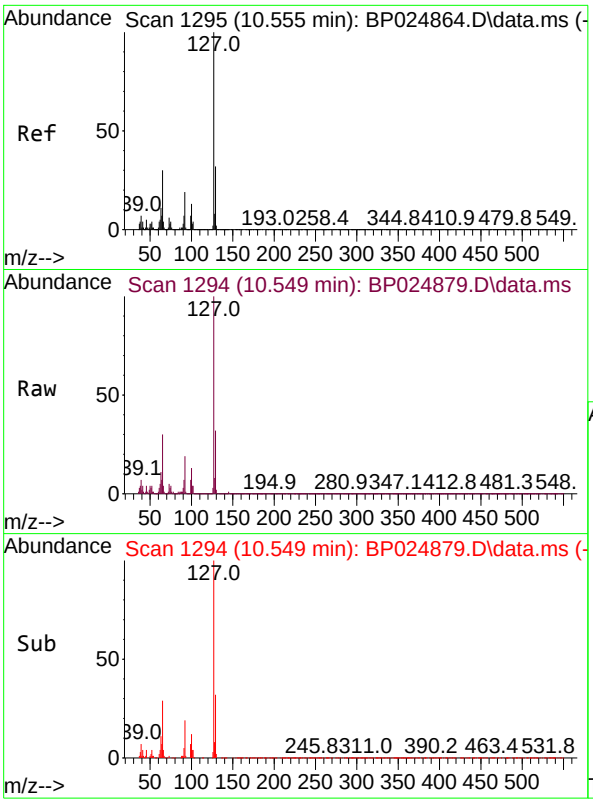


#32
Benzoic acid
Concen: 29.408 ng
RT: 9.731 min Scan# 1155
Delta R.T. -0.029 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:122 Resp: 287683

Ion	Ratio	Lower	Upper
122	100		
105	132.9	107.1	147.1
77	95.1	75.1	115.1

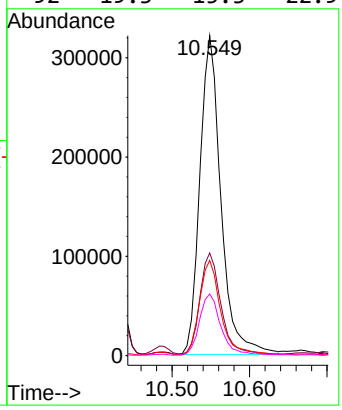




#33
4-Chloroaniline
Concen: 30.111 ng
RT: 10.549 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:127 Resp: 60622

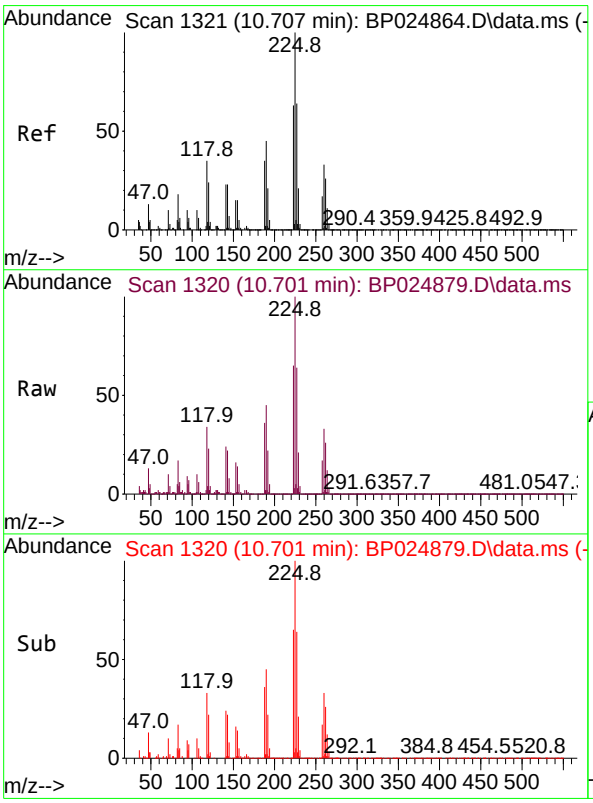
Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.9	38.9
65	29.7	23.9	35.9
92	19.3	15.3	22.9



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

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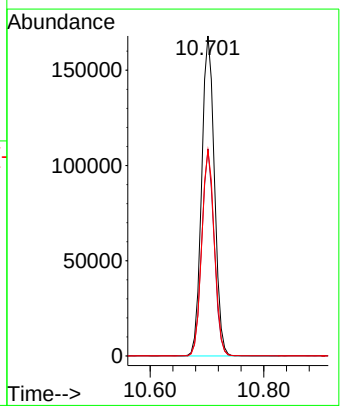
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

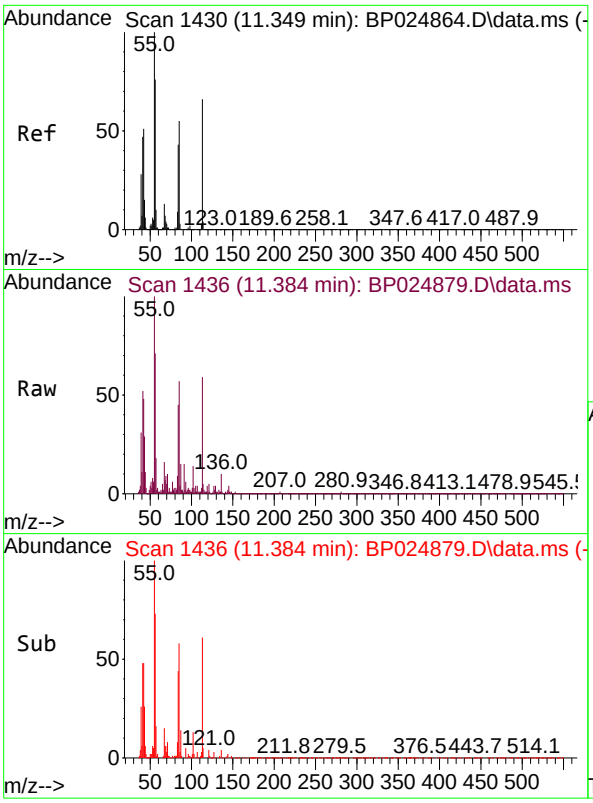


#34
Hexachlorobutadiene
Concen: 27.754 ng
RT: 10.701 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:225 Resp: 262066

Ion	Ratio	Lower	Upper
225	100		
223	64.7	50.5	75.7
227	64.2	51.4	77.2





#35
Caprolactam
Concen: 11.229 ng
RT: 11.384 min Scan# 14
Delta R.T. 0.035 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

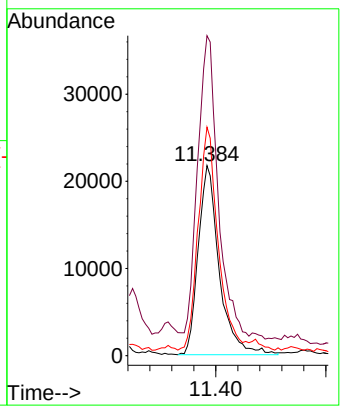
Tgt Ion:113 Resp: 5741

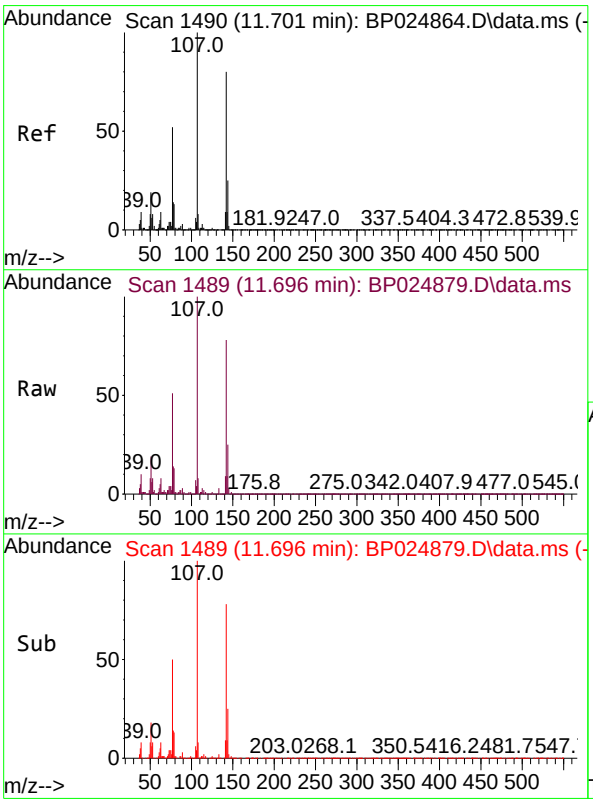
Ion	Ratio	Lower	Upper
113	100		
55	168.4	132.5	172.5
56	120.2	96.0	136.0

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

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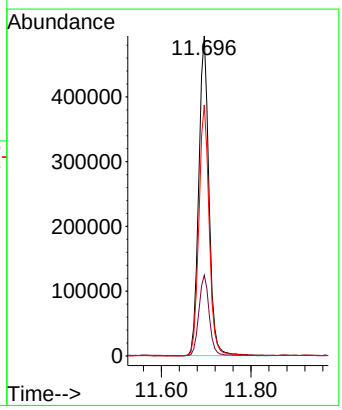


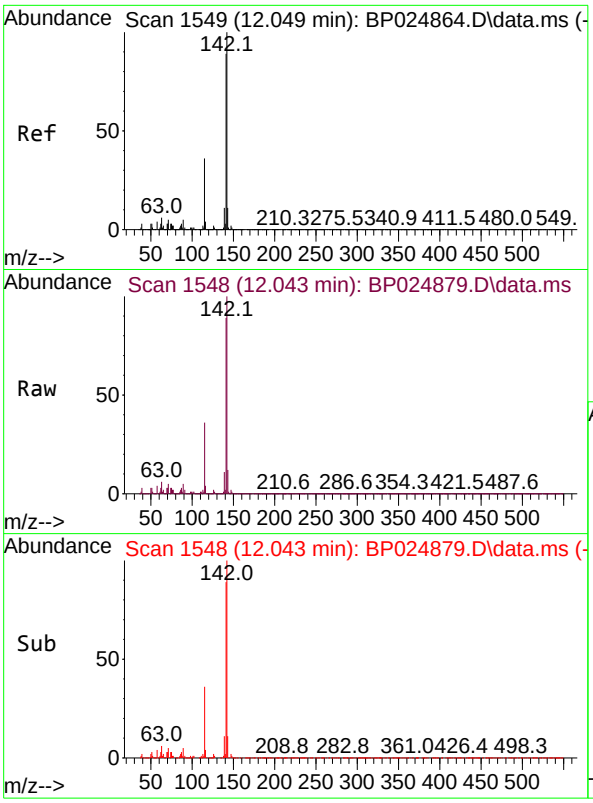


#36
4-Chloro-3-methylphenol
Concen: 48.575 ng
RT: 11.696 min Scan# 1489
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:107 Resp: 778238

Ion	Ratio	Lower	Upper
107	100		
144	25.2	20.4	30.6
142	78.4	63.8	95.6

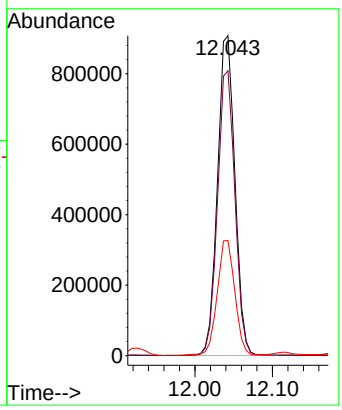




#37
2-Methylnaphthalene
Concen: 46.715 ng
RT: 12.043 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:142 Resp: 142395

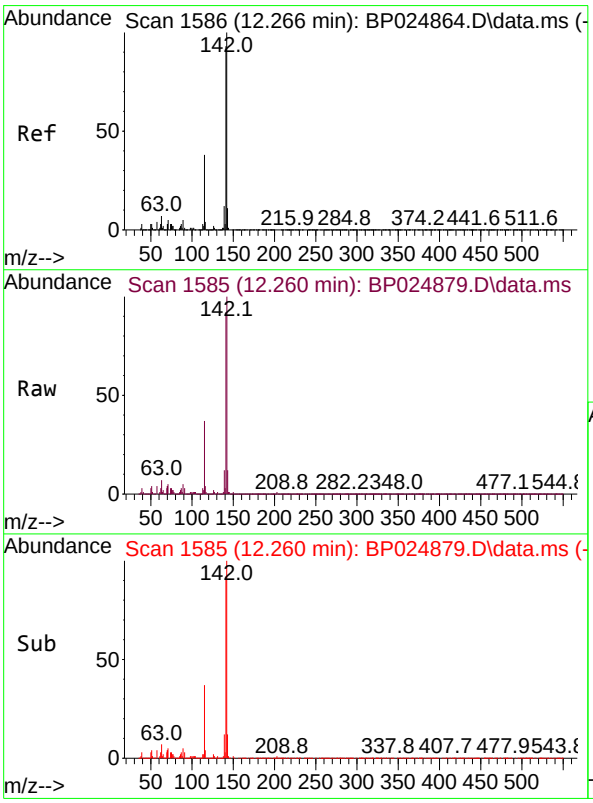
Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.2	106.8
115	36.0	28.5	42.7



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

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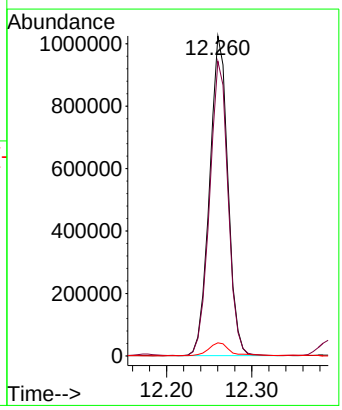
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

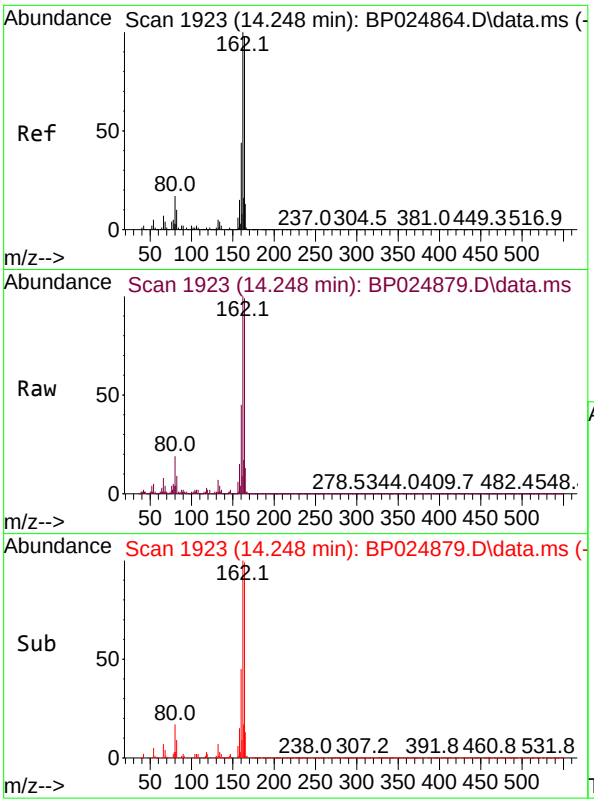


#38
1-Methylnaphthalene
Concen: 47.041 ng
RT: 12.260 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:142 Resp: 1532980

Ion	Ratio	Lower	Upper
142	100		
141	92.1	74.7	112.1
116	4.1	3.4	5.0

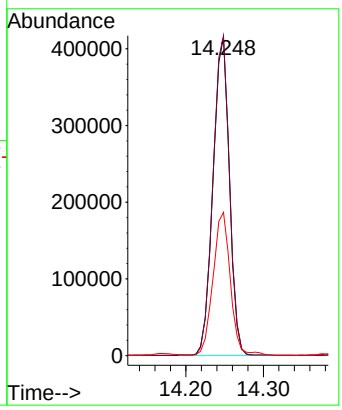




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.248 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

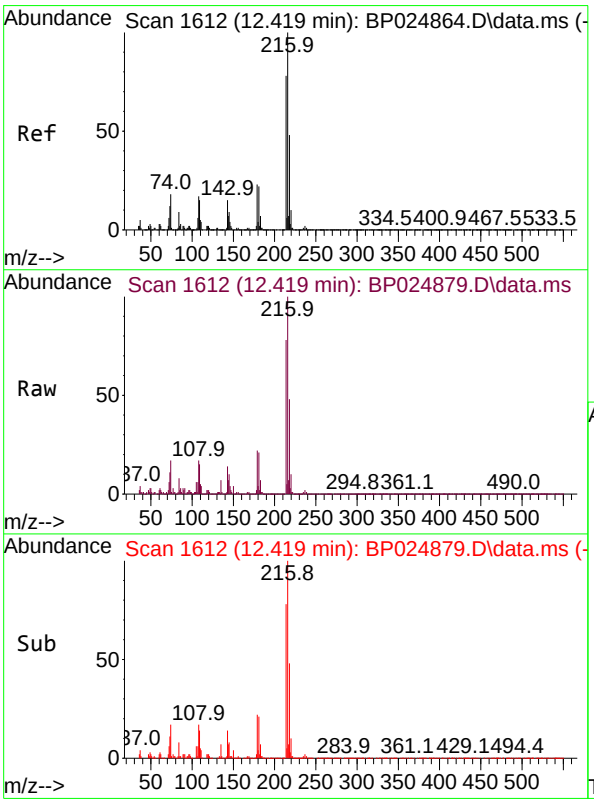
Tgt Ion:164 Resp: 60822

Ion	Ratio	Lower	Upper
164	100		
162	100.6	81.6	122.4
160	45.1	36.2	54.2



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

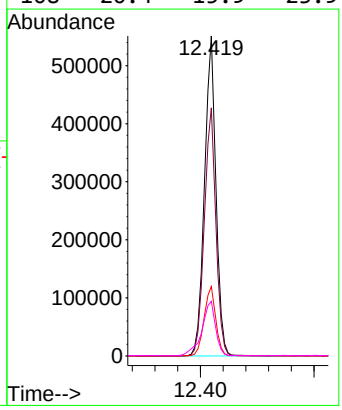
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Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

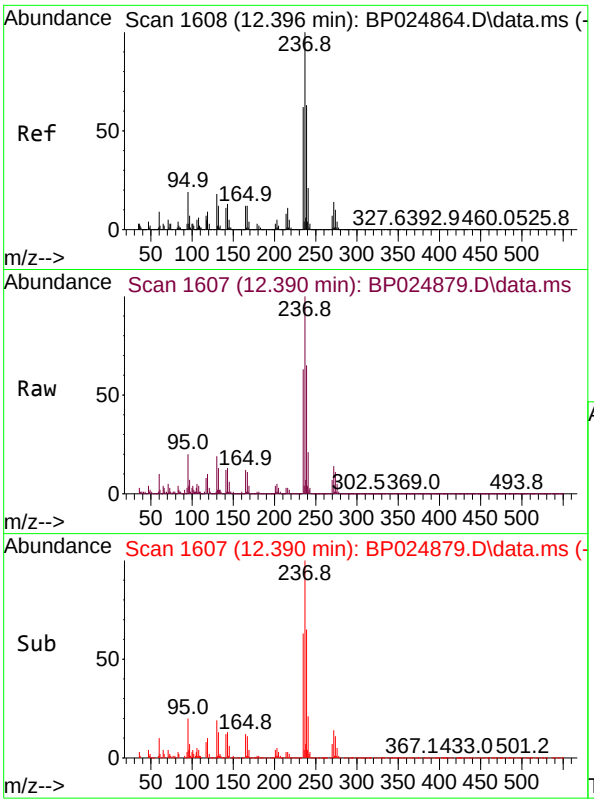


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.743 ng
RT: 12.419 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:216 Resp: 772203

Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.0	94.4
179	22.1	17.8	26.6
108	20.4	15.9	23.9





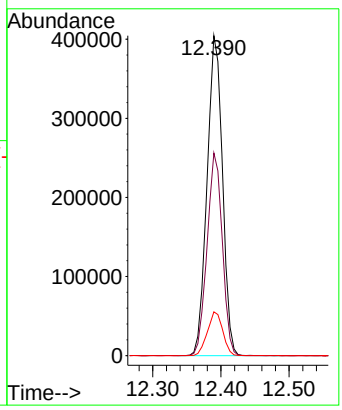
#41
Hexachlorocyclopentadiene
Concen: 60.270 ng
RT: 12.390 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

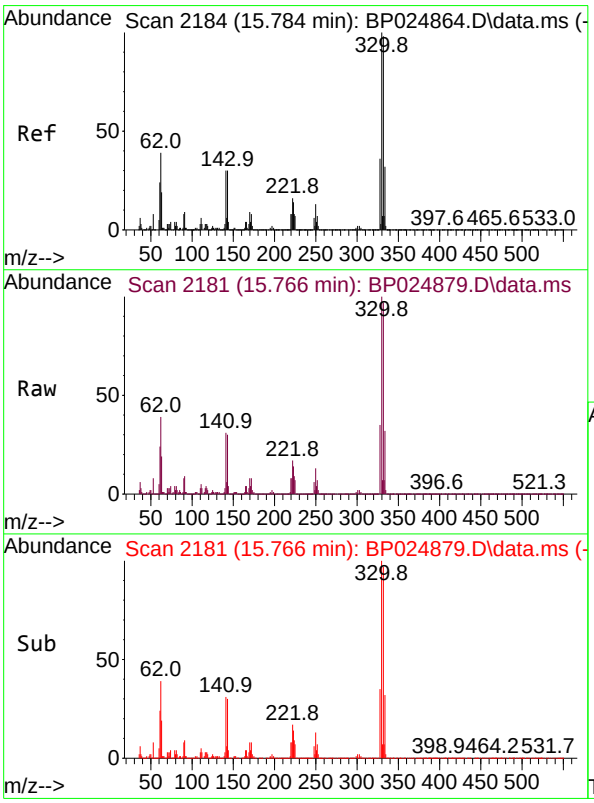
Tgt Ion:237 Resp: 63444

Ion	Ratio	Lower	Upper
237	100		
235	63.3	41.9	81.9
272	13.7	0.0	33.7

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

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Supervised By :Jagrut Upadhyay 06/10/2025

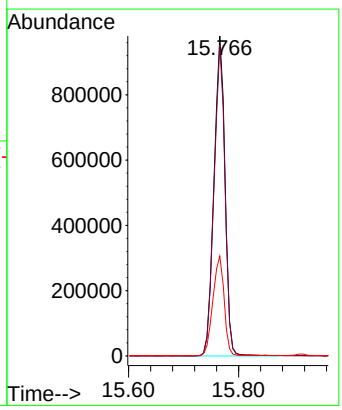


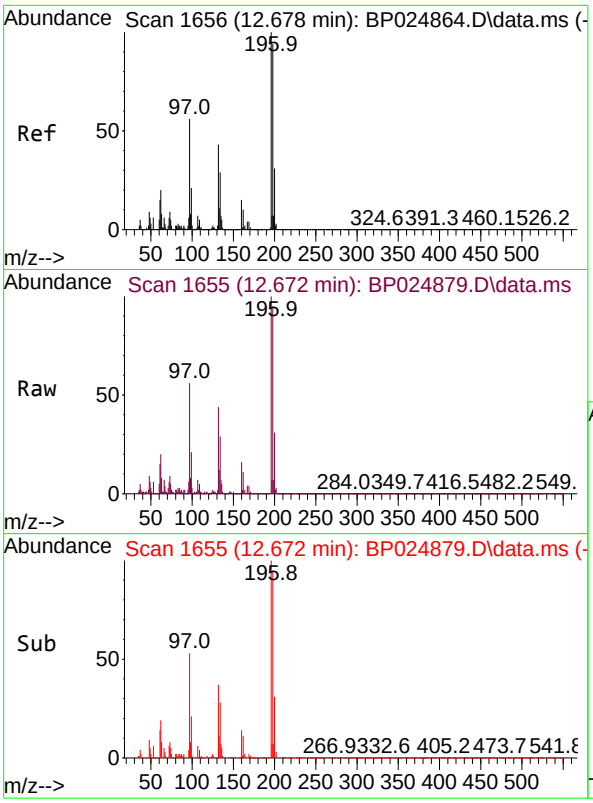


#42
2,4,6-Tribromophenol
Concen: 161.561 ng
RT: 15.766 min Scan# 2181
Delta R.T. -0.018 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:330 Resp: 1358561

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.7	116.5
141	32.0	26.4	39.6

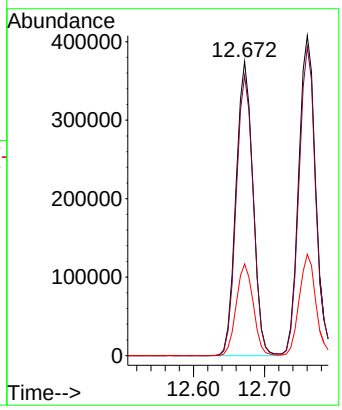




#43
2,4,6-Trichlorophenol
Concen: 53.491 ng
RT: 12.672 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:196 Resp: 61997

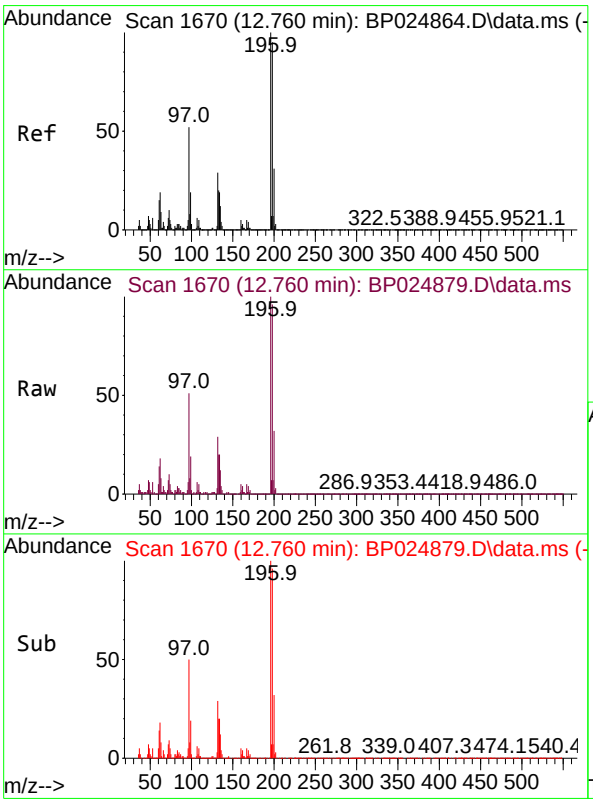
Ion	Ratio	Lower	Upper
196	100		
198	95.3	75.4	113.0
200	31.2	24.4	36.6



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

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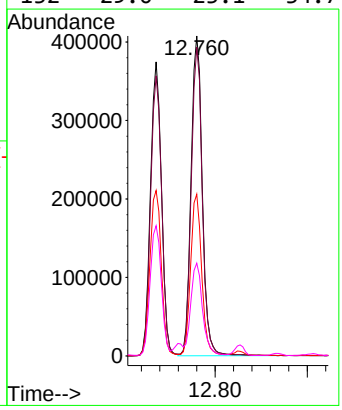
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

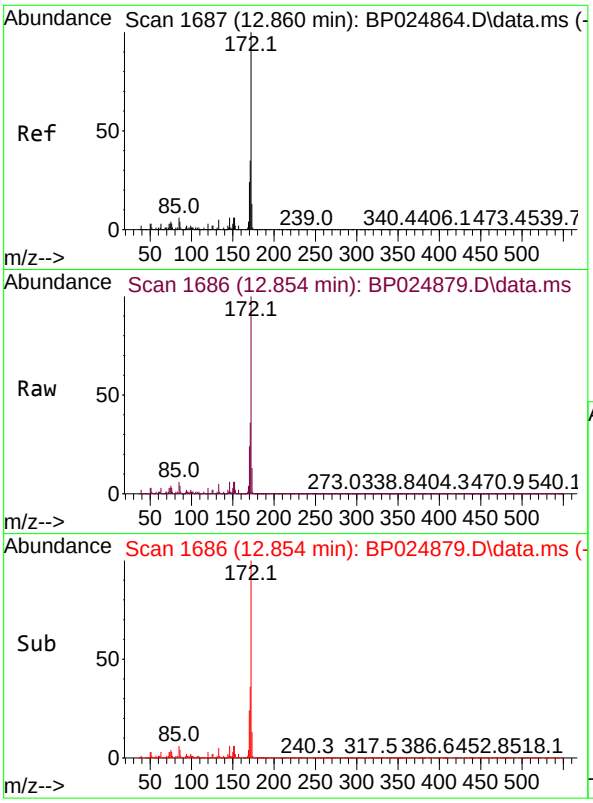


#44
2,4,5-Trichlorophenol
Concen: 55.567 ng
RT: 12.760 min Scan# 1670
Delta R.T. -0.000 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:196 Resp: 689722

Ion	Ratio	Lower	Upper
196	100		
198	96.5	76.0	114.0
97	50.5	41.5	62.3
132	29.0	23.1	34.7

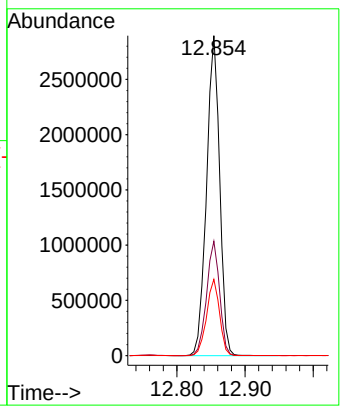




#45
2-Fluorobiphenyl
Concen: 85.613 ng
RT: 12.854 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:172 Resp: 386537

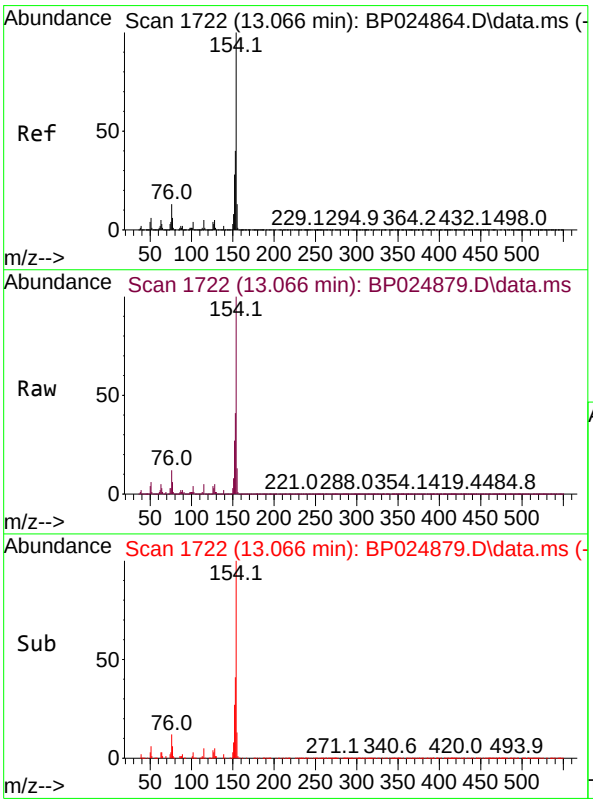
Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.3	42.5
170	23.8	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations APPROVED

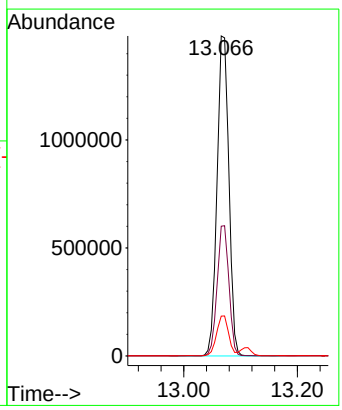
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

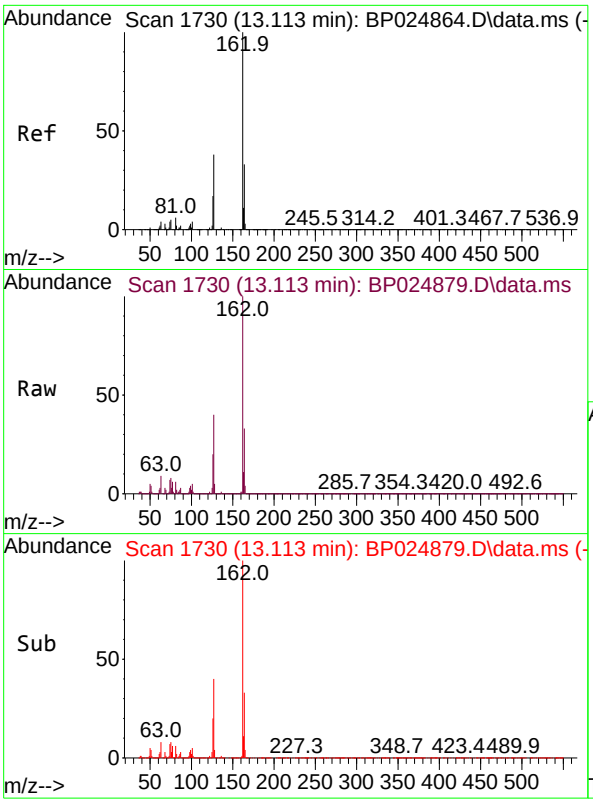


#46
1,1'-Biphenyl
Concen: 48.195 ng
RT: 13.066 min Scan# 1722
Delta R.T. -0.000 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:154 Resp: 2130271

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.3	60.3
76	12.5	0.0	33.0

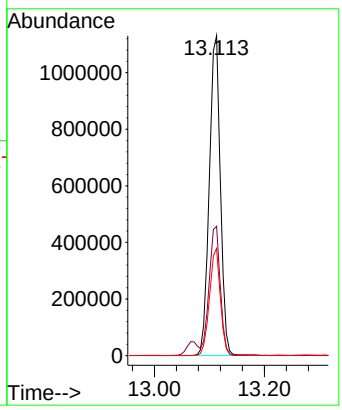




#47
2-Chloronaphthalene
Concen: 46.713 ng
RT: 13.113 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:162 Resp: 158692

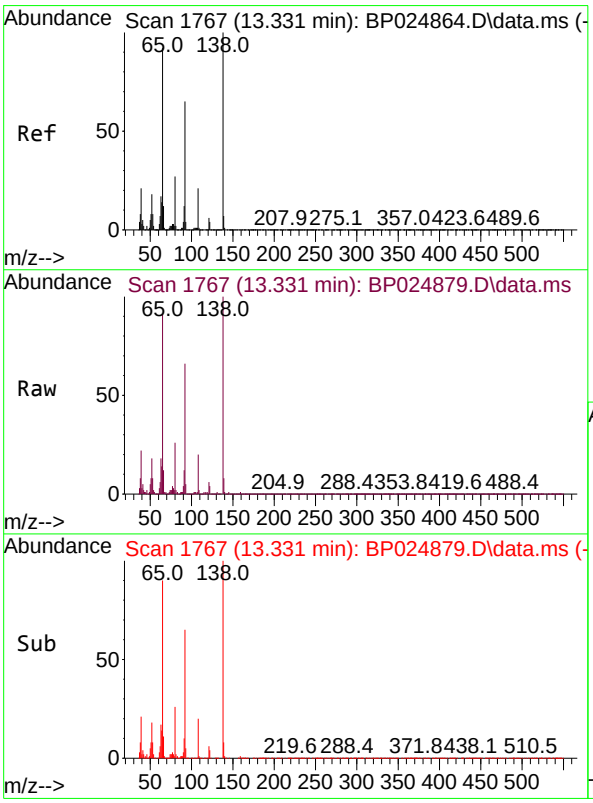
Ion	Ratio	Lower	Upper
162	100		
127	40.4	32.5	48.7
164	33.5	26.2	39.2



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations APPROVED

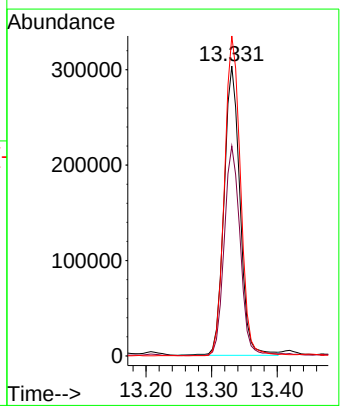
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

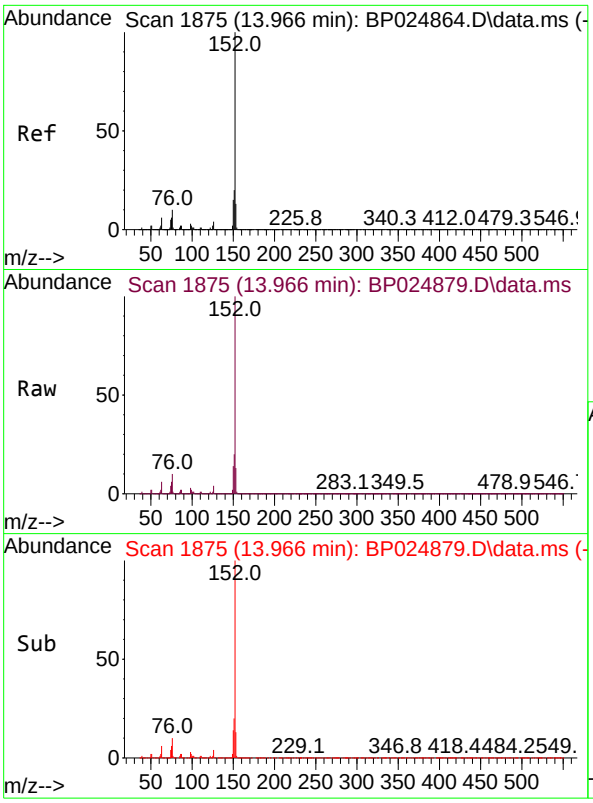


#48
2-Nitroaniline
Concen: 49.201 ng
RT: 13.331 min Scan# 1767
Delta R.T. -0.000 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion: 65 Resp: 513858

Ion	Ratio	Lower	Upper
65	100		
92	72.4	56.8	85.2
138	110.4	86.9	130.3

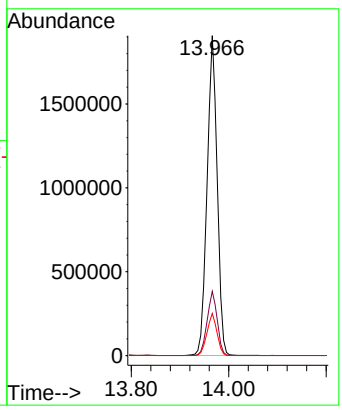




#49
Acenaphthylene
Concen: 48.695 ng
RT: 13.966 min Scan# 18
Delta R.T. -0.000 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:152 Resp: 275827

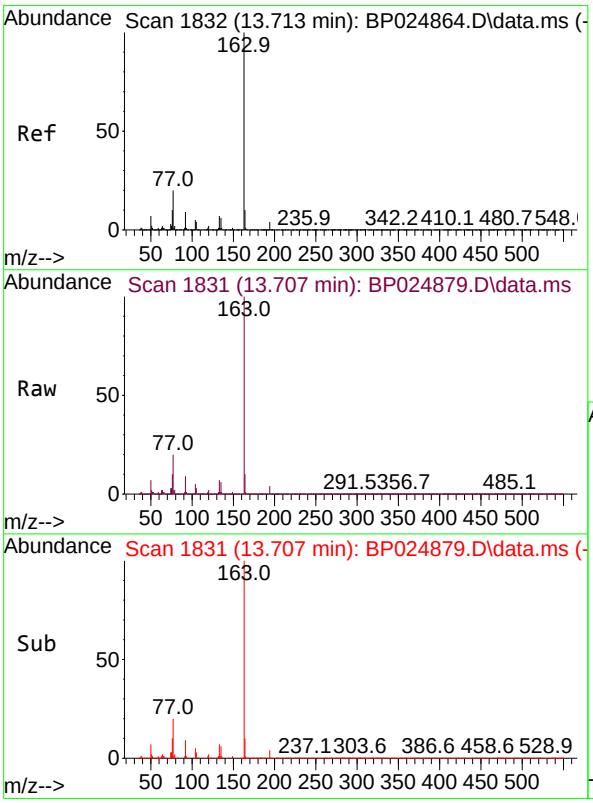
Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2
153	13.2	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
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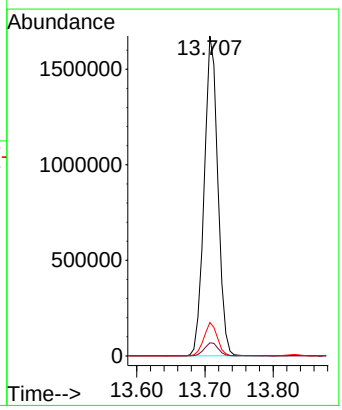
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

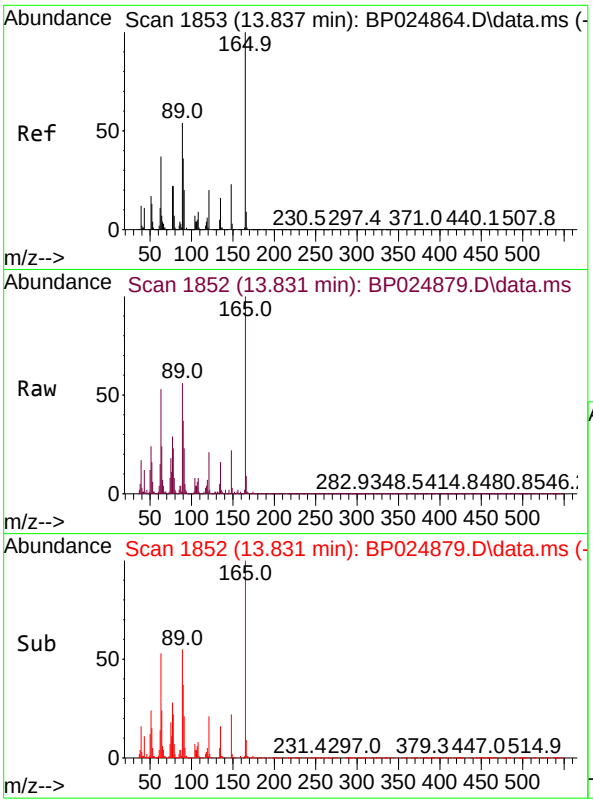


#50
Dimethylphthalate
Concen: 51.855 ng
RT: 13.707 min Scan# 1831
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:163 Resp: 2326607

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.4	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 53.809 ng
RT: 13.831 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

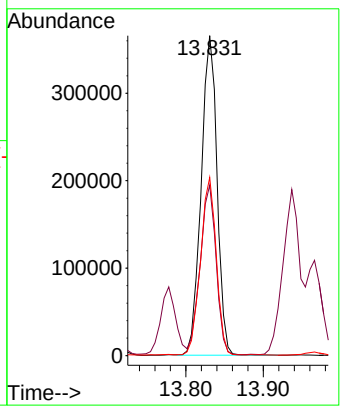
Tgt Ion:165 Resp: 52046

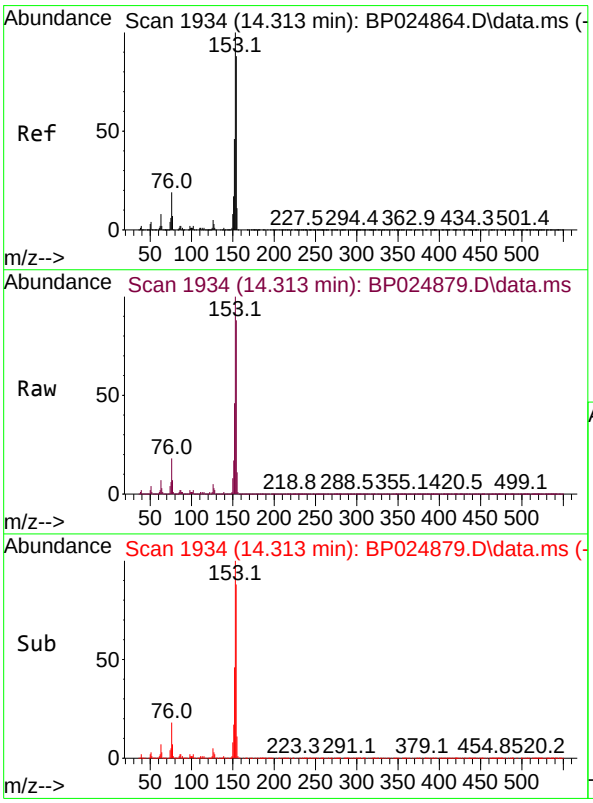
Ion	Ratio	Lower	Upper
165	100		
63	53.3	41.8	62.8
89	55.7	43.1	64.7

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

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Reviewed By :Rahul Chavli 06/10/2025
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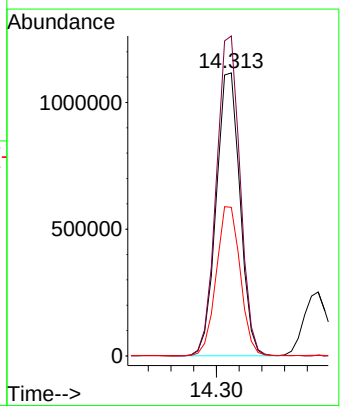


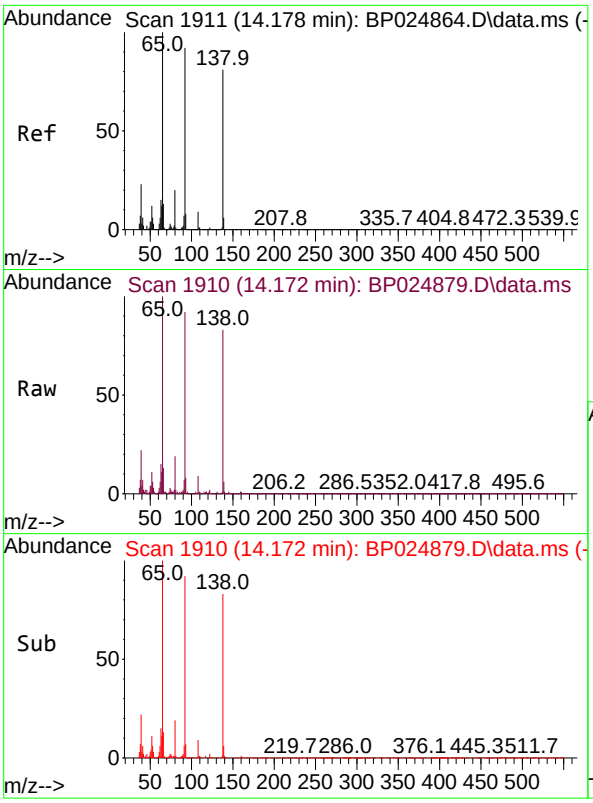


#52
Acenaphthene
Concen: 50.024 ng
RT: 14.313 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:154 Resp: 1623696

Ion	Ratio	Lower	Upper
154	100		
153	113.1	90.5	135.7
152	52.5	42.1	63.1





#53
3-Nitroaniline
Concen: 32.579 ng
RT: 14.172 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

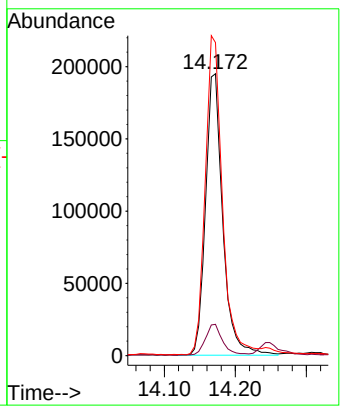
Tgt Ion:138 Resp: 32702

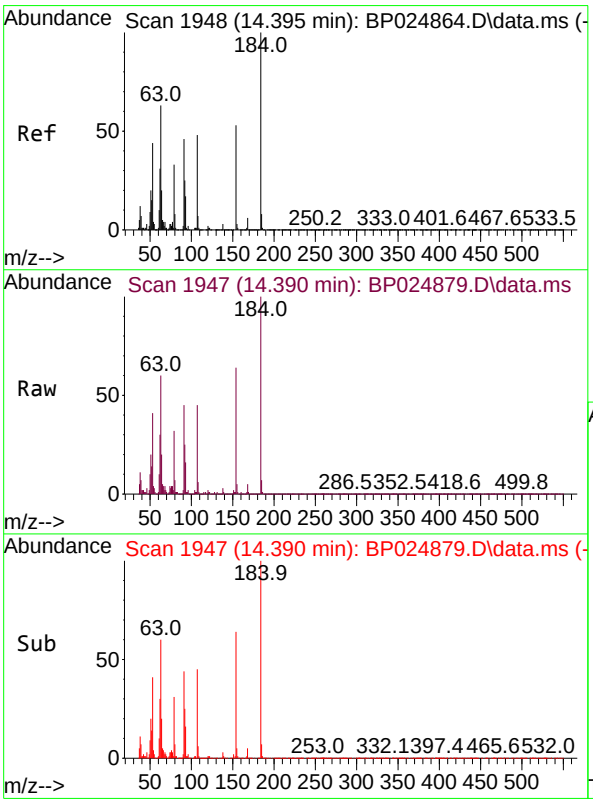
Ion	Ratio	Lower	Upper
138	100		
108	11.1	8.6	12.8
92	111.1	91.3	136.9

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

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Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

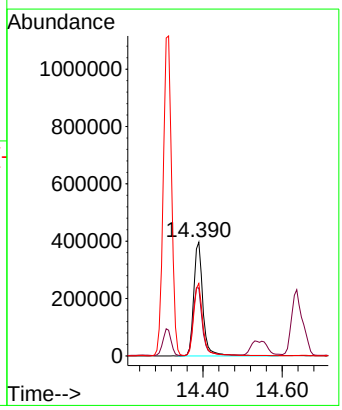


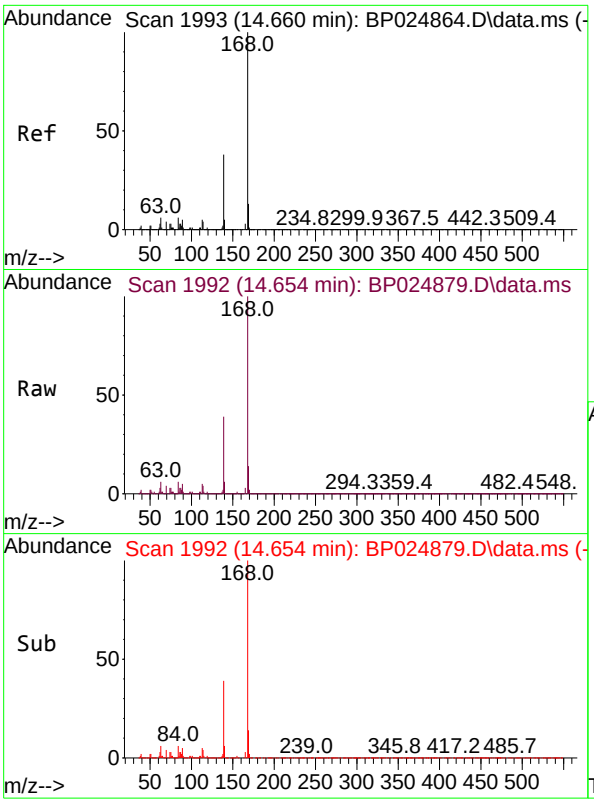


#54
2,4-Dinitrophenol
Concen: 98.895 ng
RT: 14.390 min Scan# 1947
Delta R.T. -0.005 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:184 Resp: 631766

Ion	Ratio	Lower	Upper
184	100		
63	59.9	51.0	76.4
154	63.7	51.7	77.5

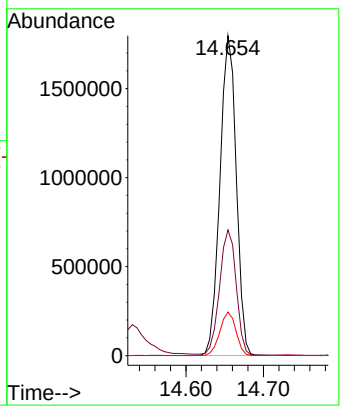




#55
Dibenzofuran
Concen: 50.534 ng
RT: 14.654 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:168 Resp: 263290

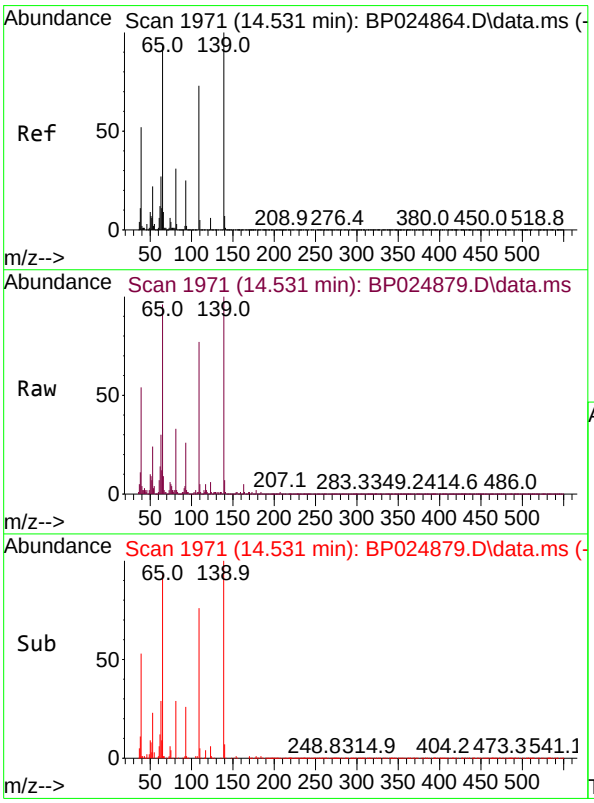
Ion	Ratio	Lower	Upper
168	100		
139	39.3	31.6	47.4
169	13.6	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
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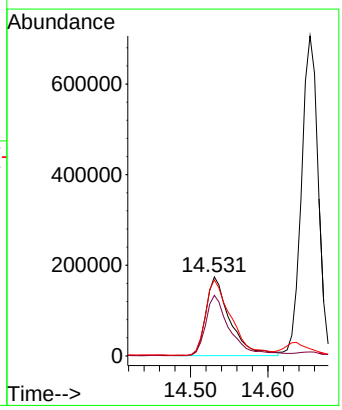
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

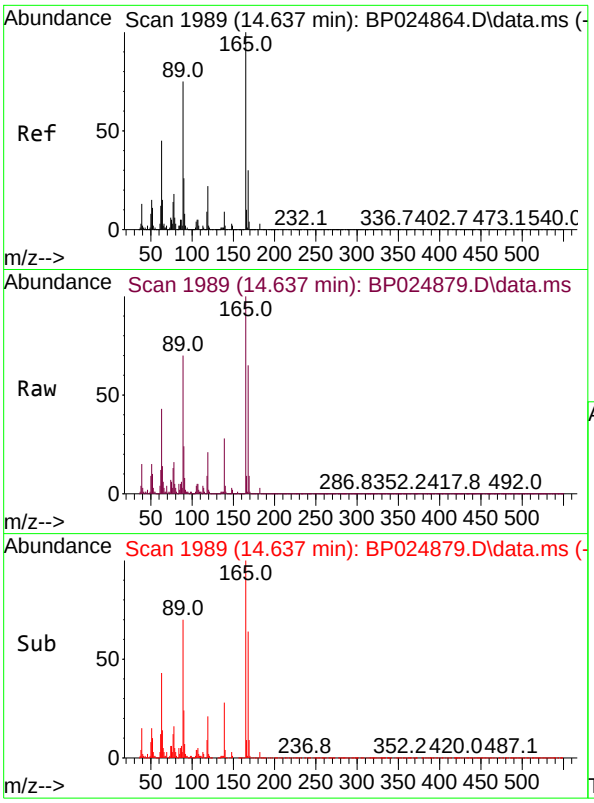


#56
4-Nitrophenol
Concen: 46.400 ng
RT: 14.531 min Scan# 1971
Delta R.T. -0.000 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:139 Resp: 373587

Ion	Ratio	Lower	Upper
139	100		
109	76.7	53.1	93.1
65	96.1	73.0	113.0

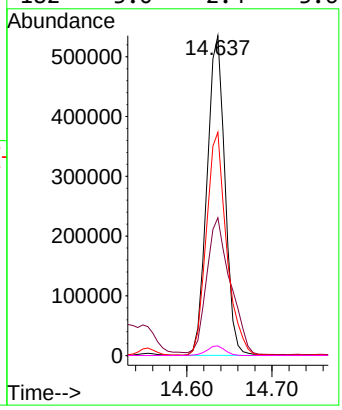




#57
2,4-Dinitrotoluene
Concen: 57.752 ng
RT: 14.637 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:165 Resp: 781391

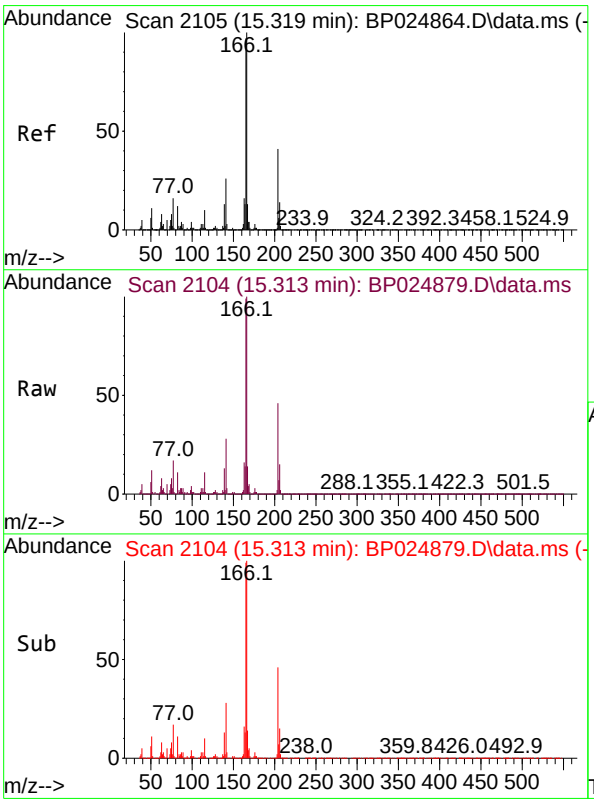
Ion	Ratio	Lower	Upper
165	100		
63	43.1	37.0	55.6
89	69.8	60.1	90.1
182	3.0	2.4	3.6



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

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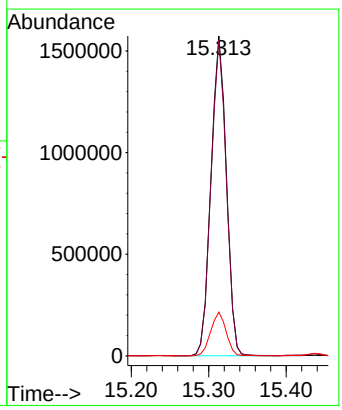
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

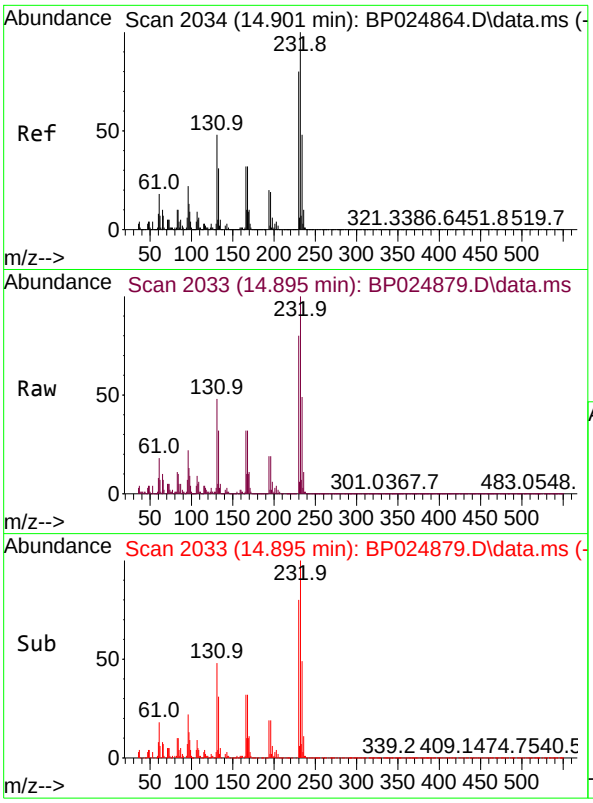


#58
Fluorene
Concen: 51.633 ng
RT: 15.313 min Scan# 2104
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:166 Resp: 2173195

Ion	Ratio	Lower	Upper
166	100		
165	98.7	77.7	116.5
167	13.7	10.6	16.0

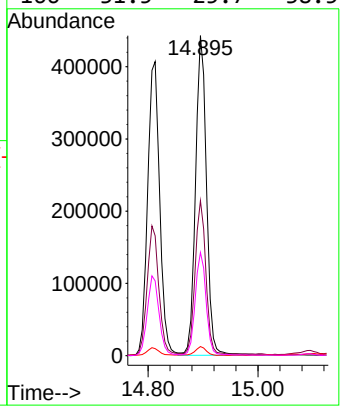




#59
2,3,4,6-Tetrachlorophenol
Concen: 55.416 ng
RT: 14.895 min Scan# 20
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:232 Resp: 61457

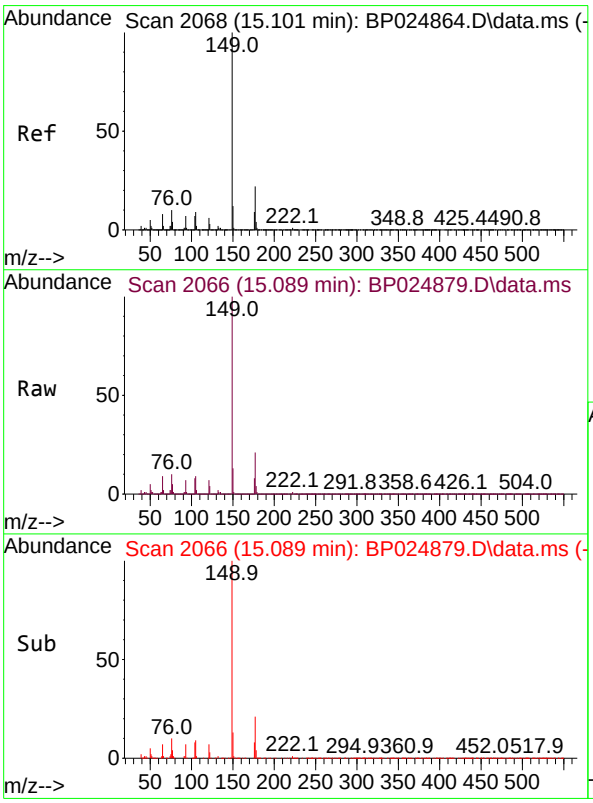
Ion	Ratio	Lower	Upper
232	100		
131	46.6	38.2	57.2
130	2.8	2.1	3.1
166	31.5	25.7	38.5



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations APPROVED

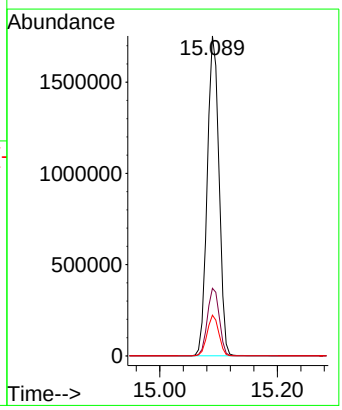
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

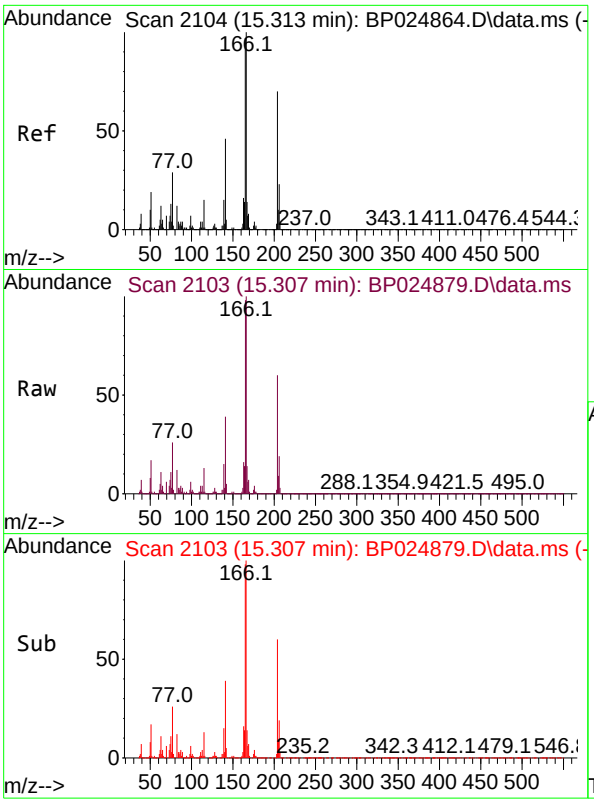


#60
Diethylphthalate
Concen: 54.419 ng
RT: 15.089 min Scan# 2066
Delta R.T. -0.012 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:149 Resp: 2433354

Ion	Ratio	Lower	Upper
149	100		
177	21.1	17.9	26.9
150	12.7	9.8	14.6





#61
4-Chlorophenyl-phenylether
Concen: 51.423 ng
RT: 15.307 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

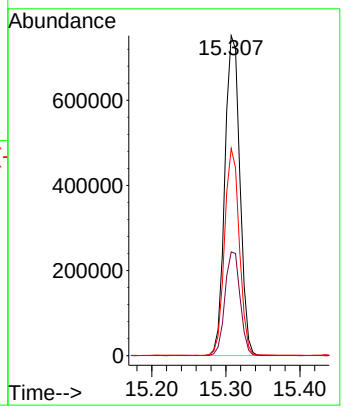
Tgt Ion:204 Resp: 105825

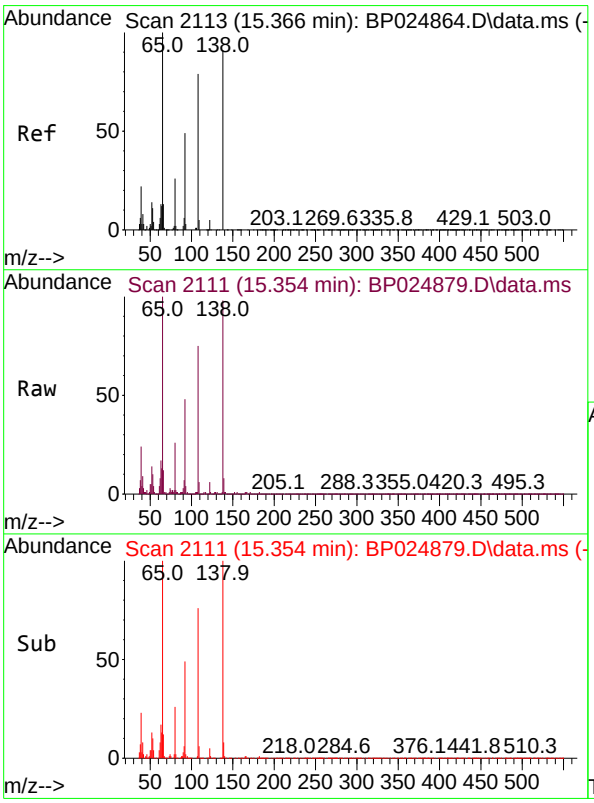
Ion	Ratio	Lower	Upper
204	100		
206	32.4	26.6	40.0
141	64.7	52.4	78.6

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

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Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

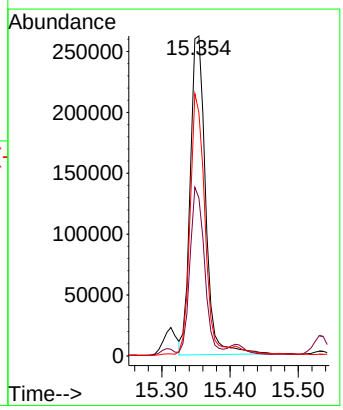


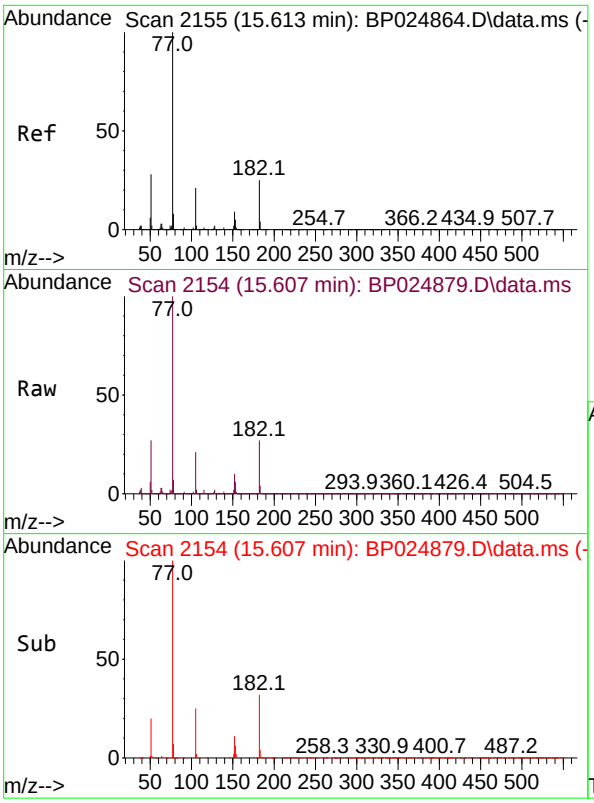


#62
4-Nitroaniline
Concen: 45.131 ng
RT: 15.354 min Scan# 2111
Delta R.T. -0.012 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:138 Resp: 410751

Ion	Ratio	Lower	Upper
138	100		
92	49.4	33.5	73.5
108	76.0	65.1	105.1

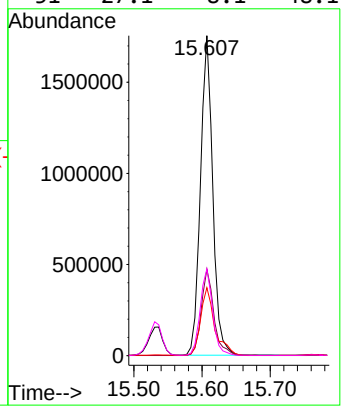




#63
Azobenzene
Concen: 53.685 ng
RT: 15.607 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion: 77 Resp: 220163

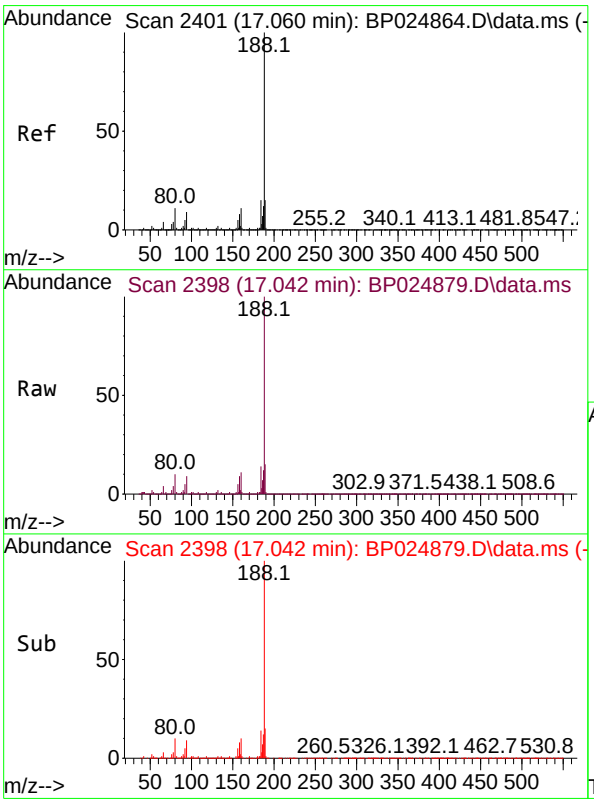
Ion	Ratio	Lower	Upper
77	100		
182	27.0	5.4	45.4
105	21.2	0.8	40.8
51	27.1	8.1	48.1



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
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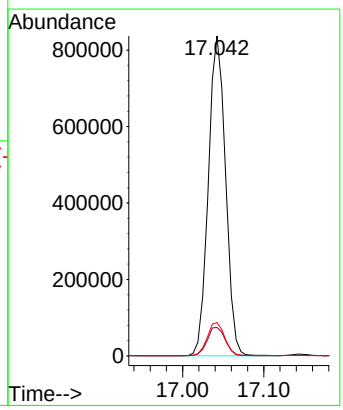
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

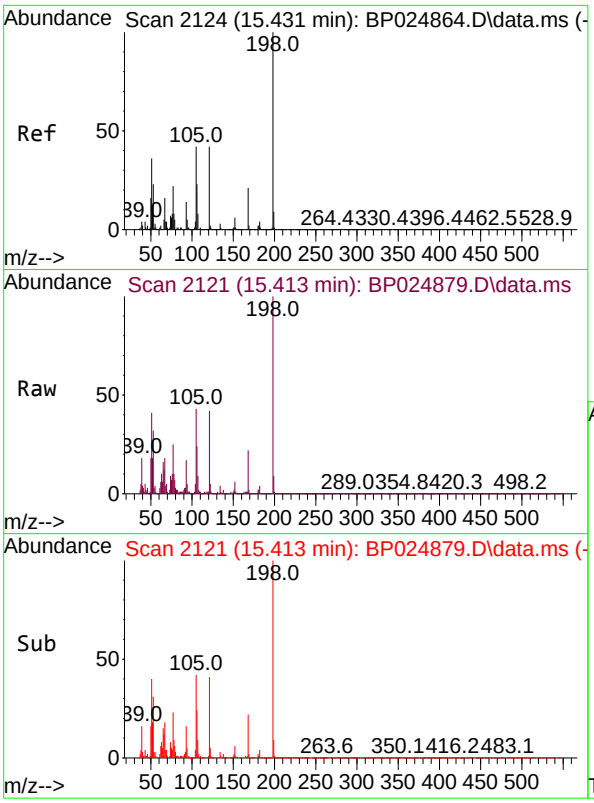


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.042 min Scan# 2398
Delta R.T. -0.018 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:188 Resp: 1235201

Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.3	10.9
80	10.4	8.5	12.7





#65
4,6-Dinitro-2-methylphenol
Concen: 51.415 ng
RT: 15.413 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

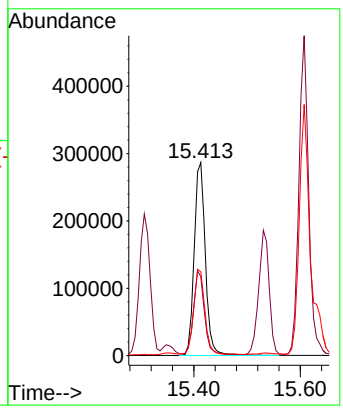
Tgt Ion:198 Resp: 41730

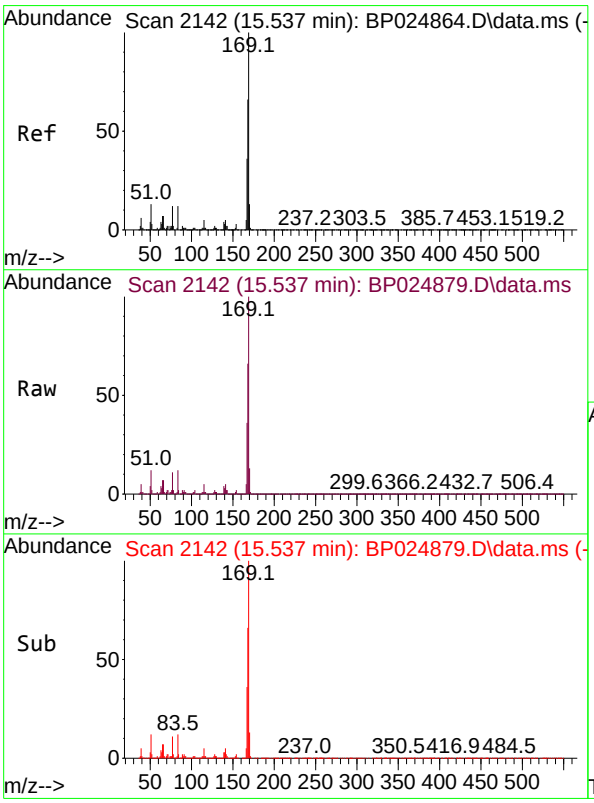
Ion	Ratio	Lower	Upper
198	100		
51	40.8	19.2	59.2
105	43.4	22.6	62.6

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

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Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

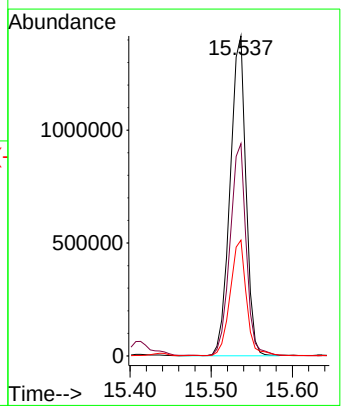


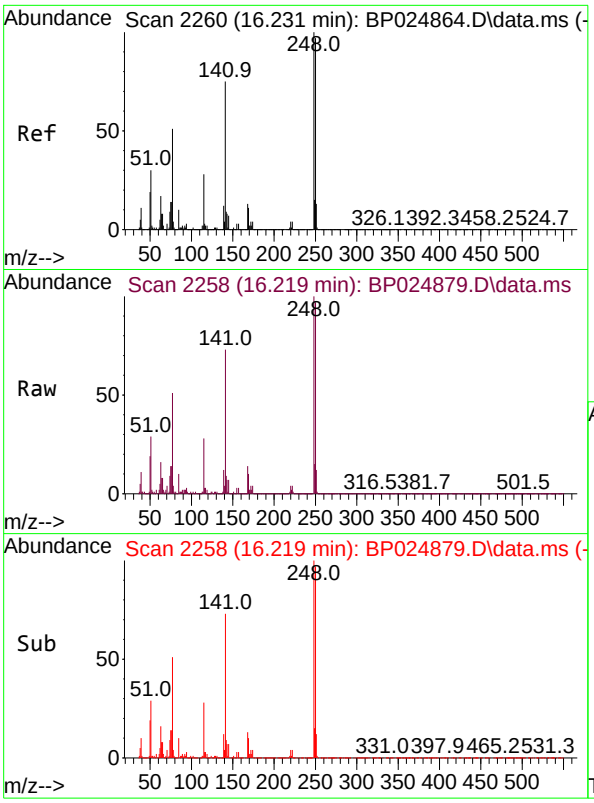


#66
n-Nitrosodiphenylamine
Concen: 50.300 ng
RT: 15.537 min Scan# 2142
Delta R.T. -0.000 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:169 Resp: 1925767

Ion	Ratio	Lower	Upper
169	100		
168	66.3	53.0	79.6
167	36.2	28.6	43.0

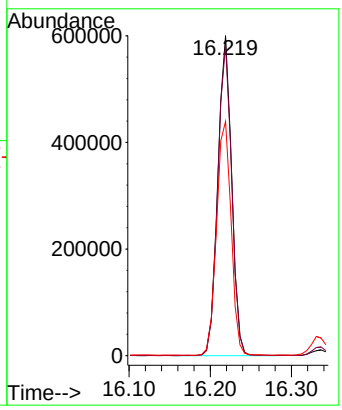




#67
4-Bromophenyl-phenylether
Concen: 50.892 ng
RT: 16.219 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

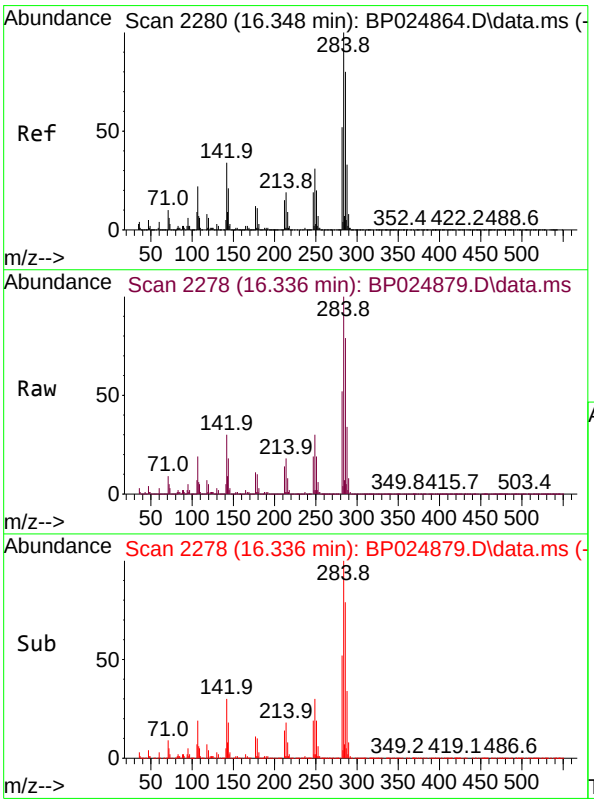
Tgt Ion:248 Resp: 70928

Ion	Ratio	Lower	Upper
248	100		
250	97.1	77.4	116.2
141	73.2	59.9	89.9



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

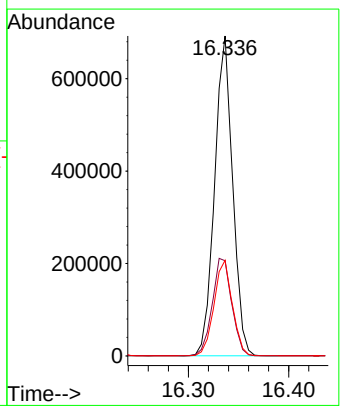
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Supervised By :Jagrut Upadhyay 06/10/2025

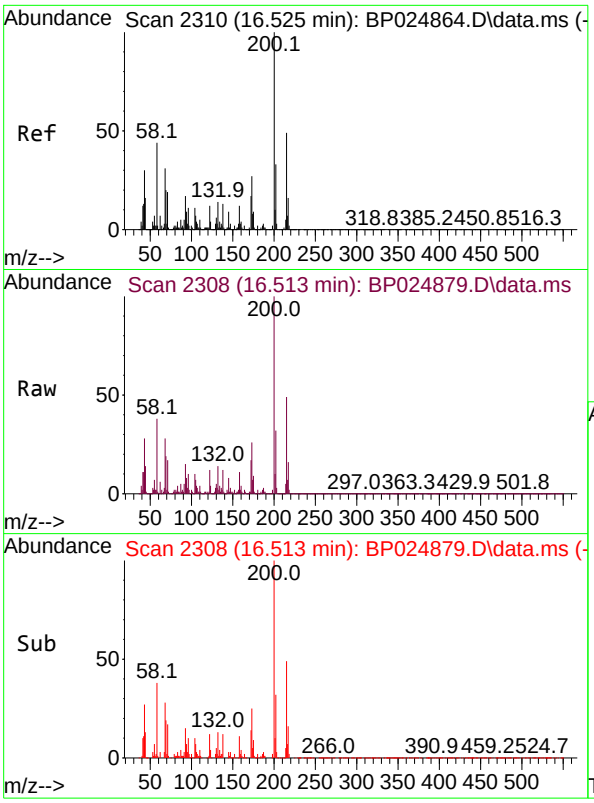


#68
Hexachlorobenzene
Concen: 51.306 ng
RT: 16.336 min Scan# 2278
Delta R.T. -0.012 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:284 Resp: 866860

Ion	Ratio	Lower	Upper
284	100		
142	29.7	27.0	40.6
249	29.9	25.0	37.6

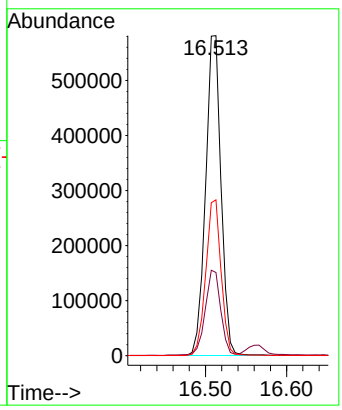




#69
Atrazine
Concen: 55.473 ng
RT: 16.513 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:200 Resp: 76992

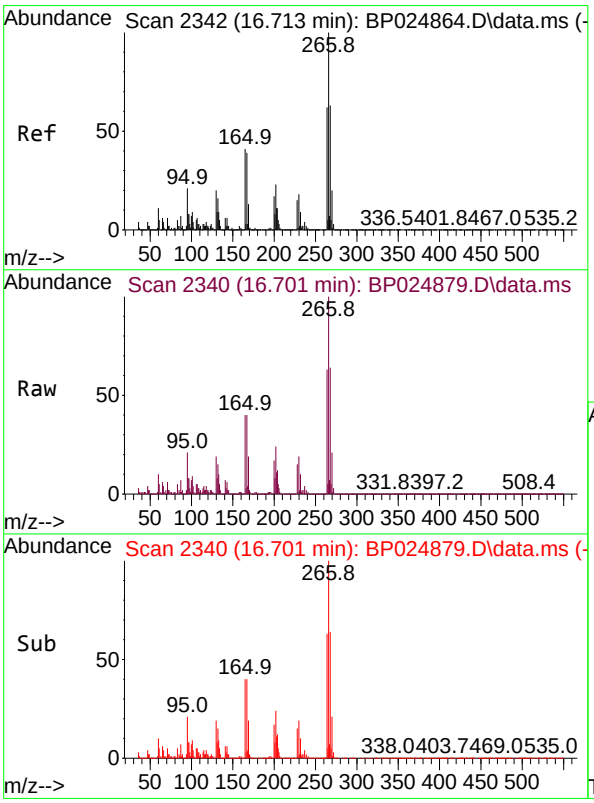
Ion	Ratio	Lower	Upper
200	100		
173	26.0	6.9	46.9
215	48.7	28.7	68.7



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

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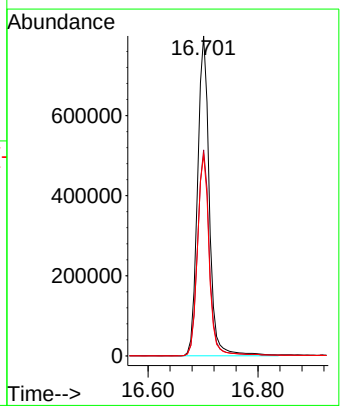
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

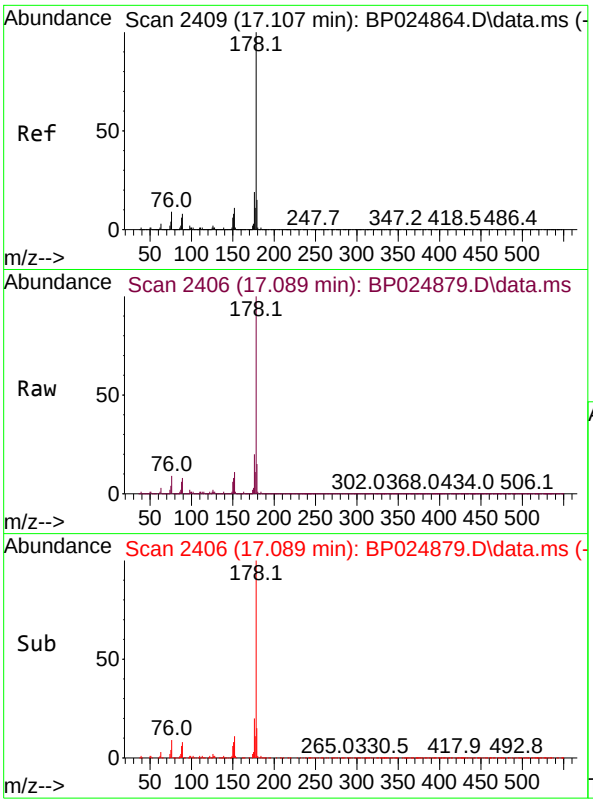


#70
Pentachlorophenol
Concen: 135.284 ng
RT: 16.701 min Scan# 2340
Delta R.T. -0.012 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:266 Resp: 1182979

Ion	Ratio	Lower	Upper
266	100		
268	64.4	50.6	76.0
264	62.9	49.7	74.5





#71
Phenanthrene
Concen: 51.597 ng
RT: 17.089 min Scan# 24
Delta R.T. -0.018 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

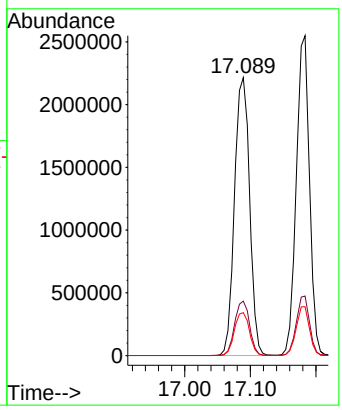
Tgt Ion:178 Resp: 352195

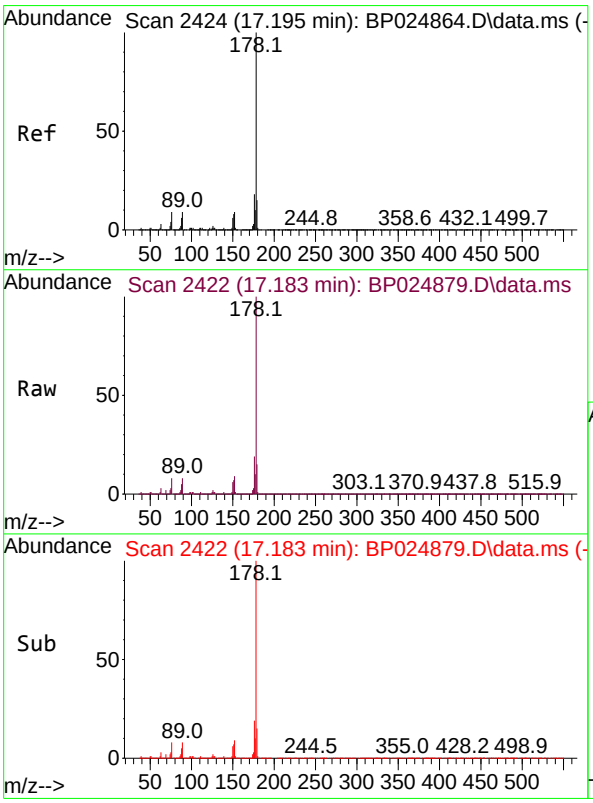
Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.3	22.9
179	15.5	12.1	18.1

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

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Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

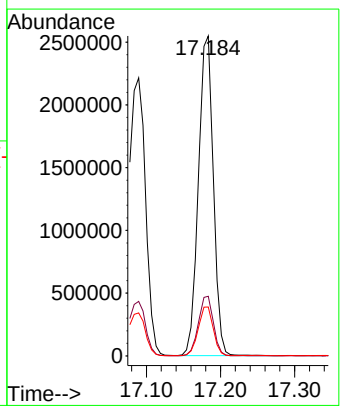


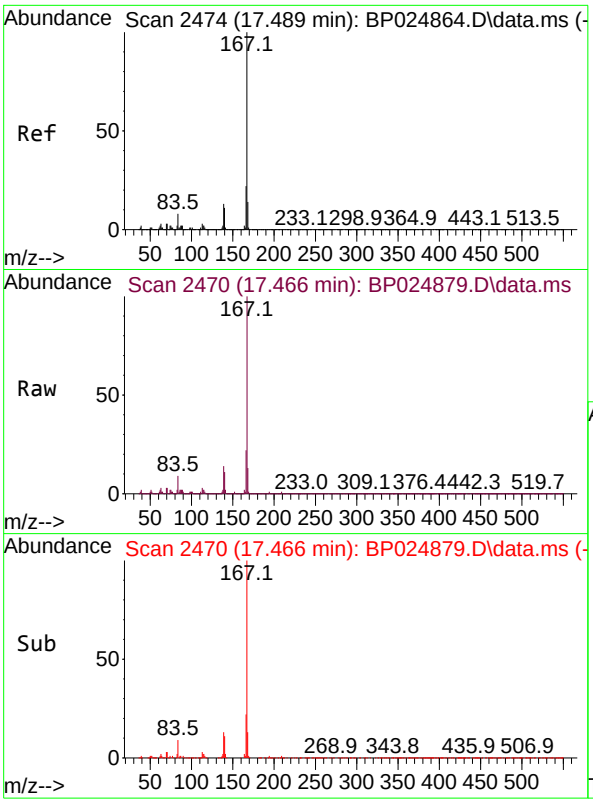


#72
Anthracene
Concen: 51.681 ng
RT: 17.183 min Scan# 2422
Delta R.T. -0.012 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:178 Resp: 3572743

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	15.3	12.3	18.5

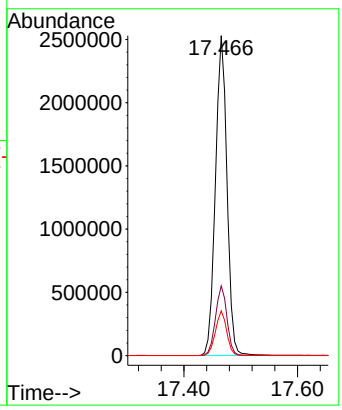




#73
Carbazole
Concen: 55.611 ng
RT: 17.466 min Scan# 24
Delta R.T. -0.024 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:167 Resp: 356337

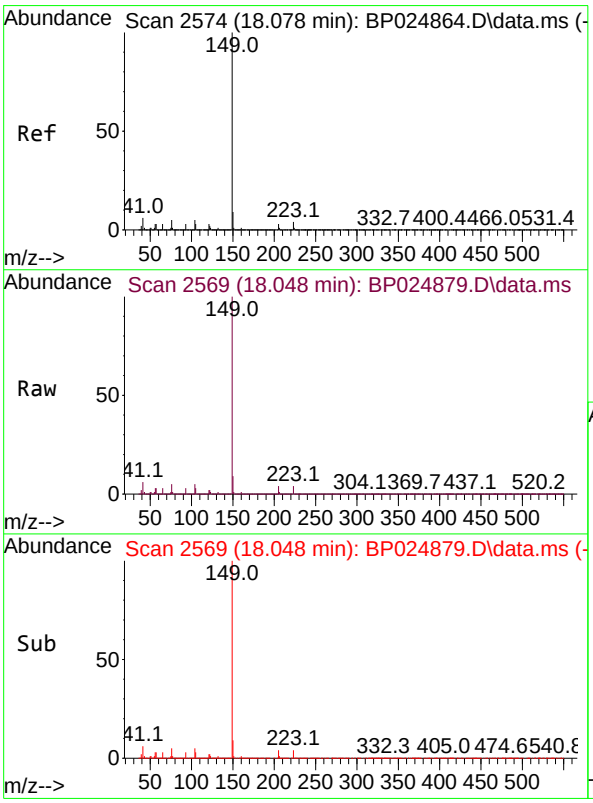
Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.3	25.9
139	14.0	10.8	16.2



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
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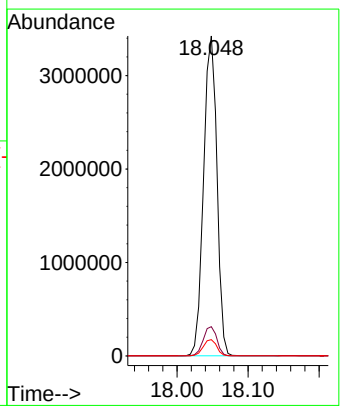
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

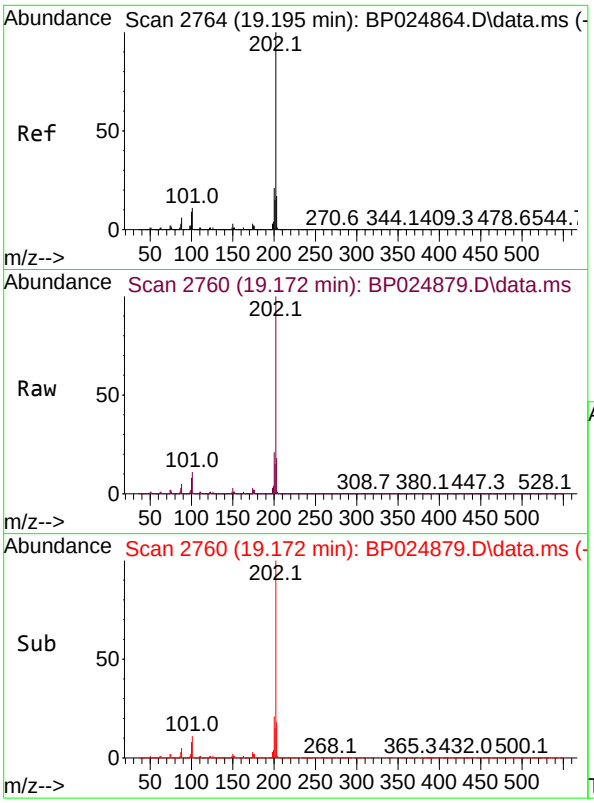


#74
Di-n-butylphthalate
Concen: 56.055 ng
RT: 18.048 min Scan# 2569
Delta R.T. -0.029 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:149 Resp: 4450239

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.2
104	5.1	4.2	6.2

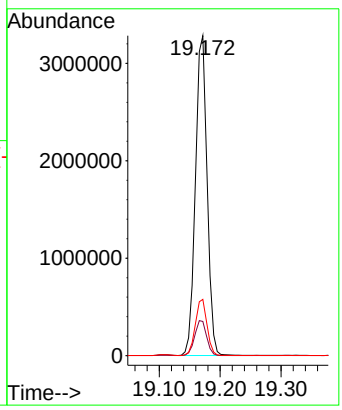




#75
Fluoranthene
Concen: 55.394 ng
RT: 19.172 min Scan# 2
Delta R.T. -0.024 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:202 Resp: 438248

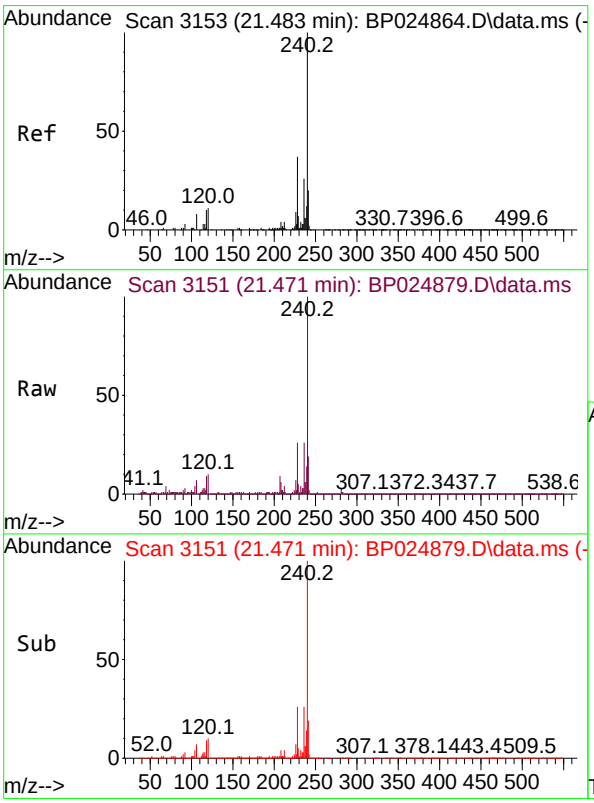
Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	31.4
203	17.6	0.0	37.5



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

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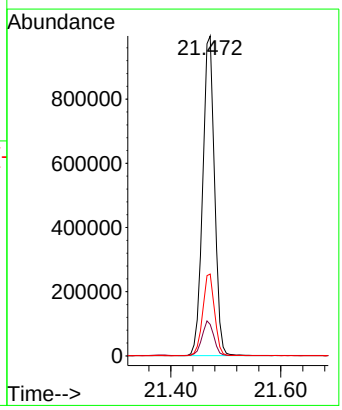
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

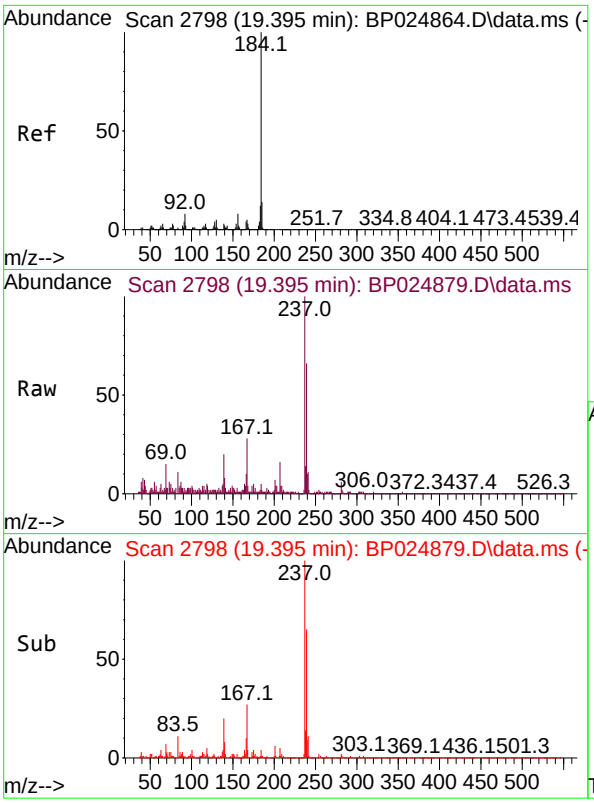


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.471 min Scan# 3151
Delta R.T. -0.012 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:240 Resp: 1490396

Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.9	13.3
236	25.6	20.9	31.3

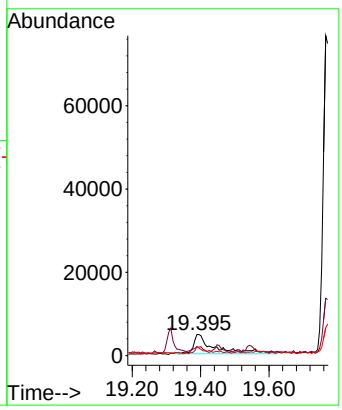




#77
Benzidine
Concen: 0.442 ng m
RT: 19.395 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:184 Resp: 2041

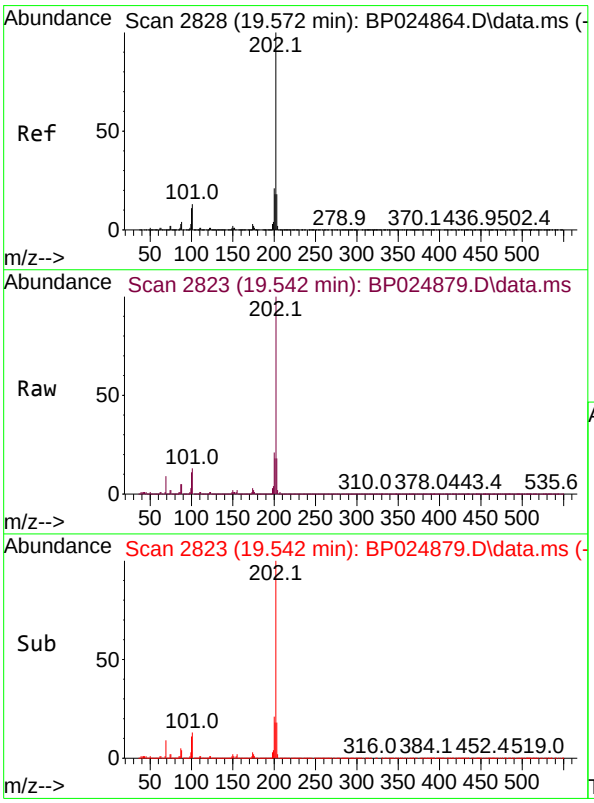
Ion	Ratio	Lower	Upper
184	100		
185	39.8	11.4	17.0#
183	35.8	9.5	14.3#



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations APPROVED

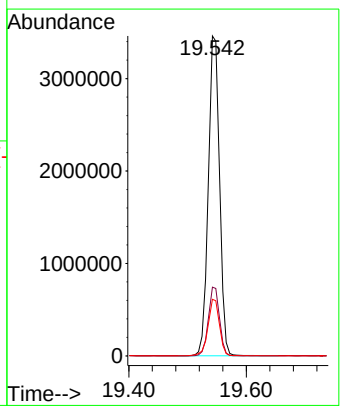
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

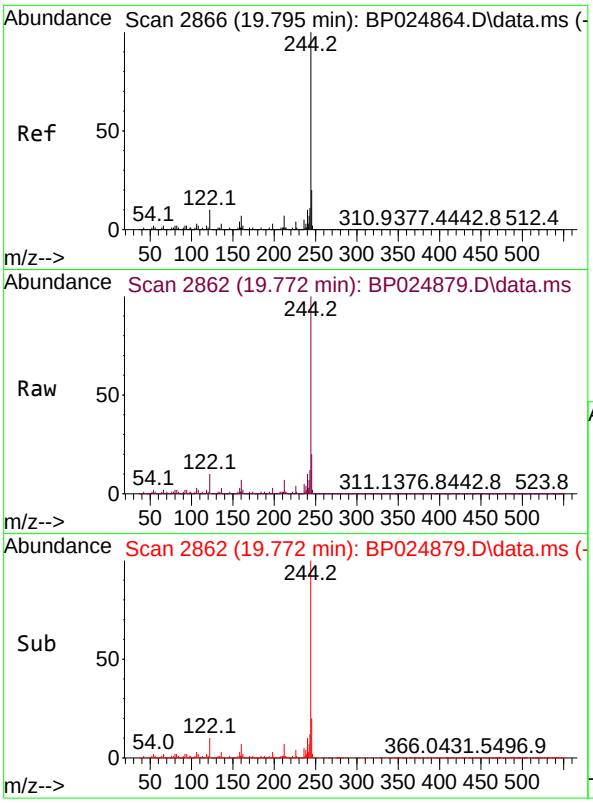


#78
Pyrene
Concen: 49.362 ng
RT: 19.542 min Scan# 2823
Delta R.T. -0.029 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:202 Resp: 4596154

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.1	25.7
203	17.7	14.0	21.0

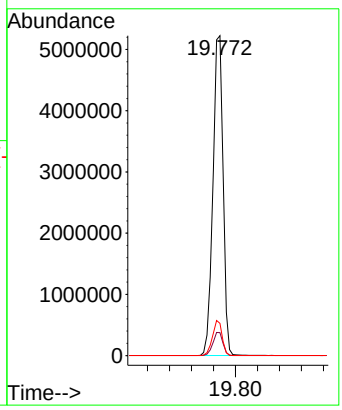




#79
Terphenyl-d14
Concen: 80.403 ng
RT: 19.772 min Scan# 28
Delta R.T. -0.024 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:244 Resp: 668616

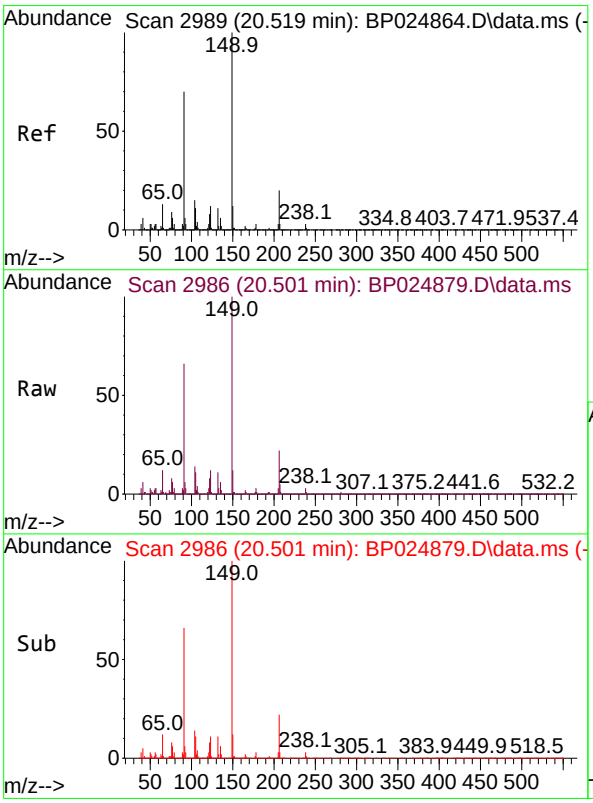
Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	10.1	7.7	11.5



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

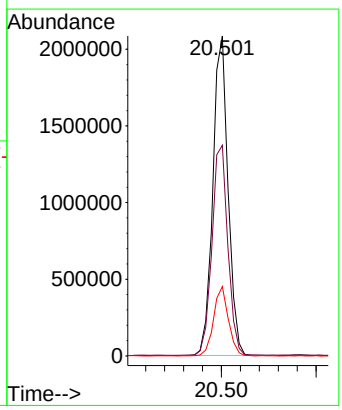
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

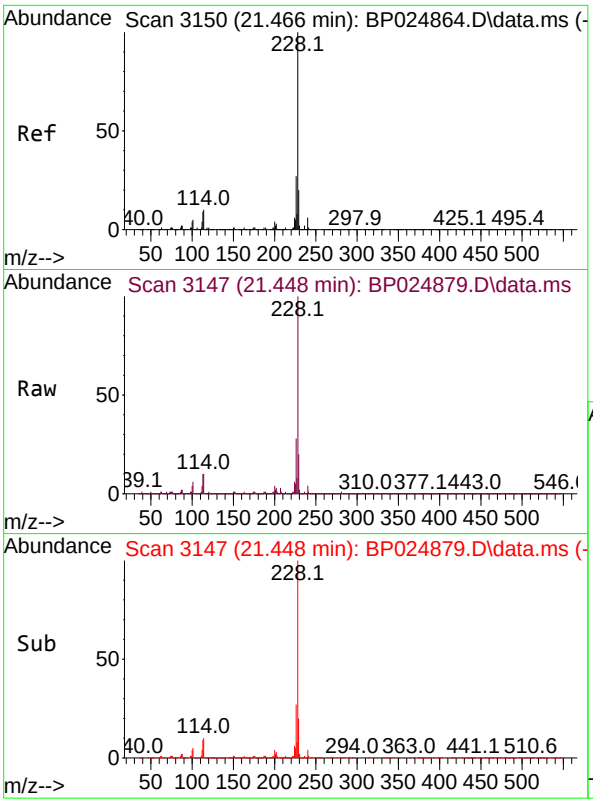


#80
Butylbenzylphthalate
Concen: 54.521 ng
RT: 20.501 min Scan# 2986
Delta R.T. -0.018 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:149 Resp: 2325334

Ion	Ratio	Lower	Upper
149	100		
91	65.8	55.8	83.8
206	21.7	16.2	24.2

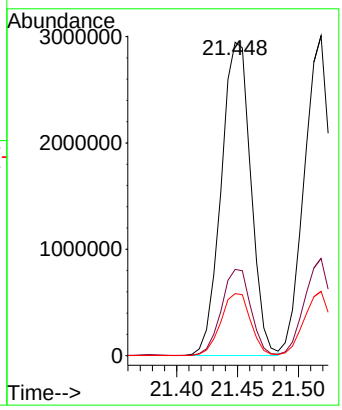




#81
Benzo(a)anthracene
Concen: 52.380 ng
RT: 21.448 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:228 Resp: 499299

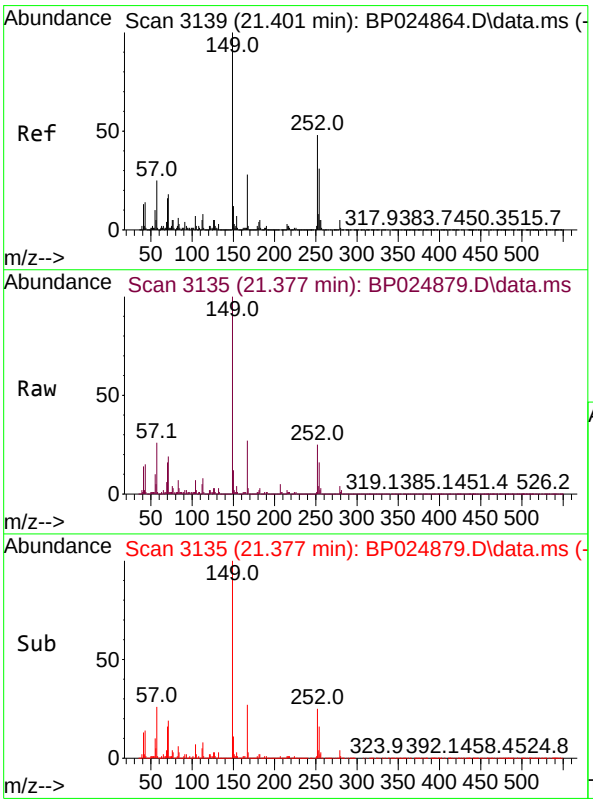
Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.1	33.1
229	19.8	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

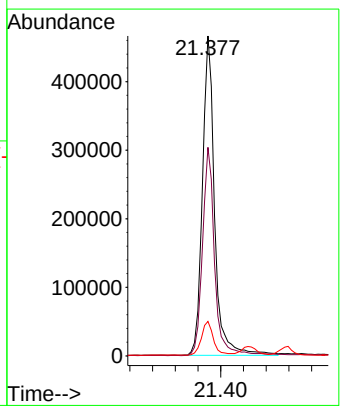
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

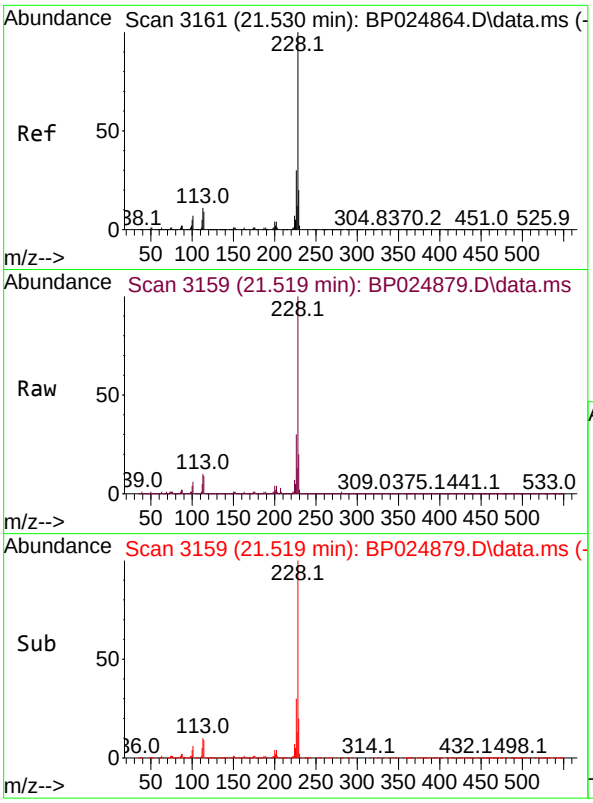


#82
3,3'-Dichlorobenzidine
Concen: 18.352 ng
RT: 21.377 min Scan# 3135
Delta R.T. -0.024 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:252 Resp: 694512

Ion	Ratio	Lower	Upper
252	100		
254	65.2	51.2	76.8
126	10.8	8.6	12.8

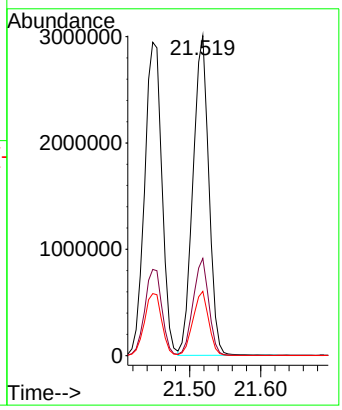




#83
Chrysene
Concen: 51.249 ng
RT: 21.519 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:228 Resp: 462889

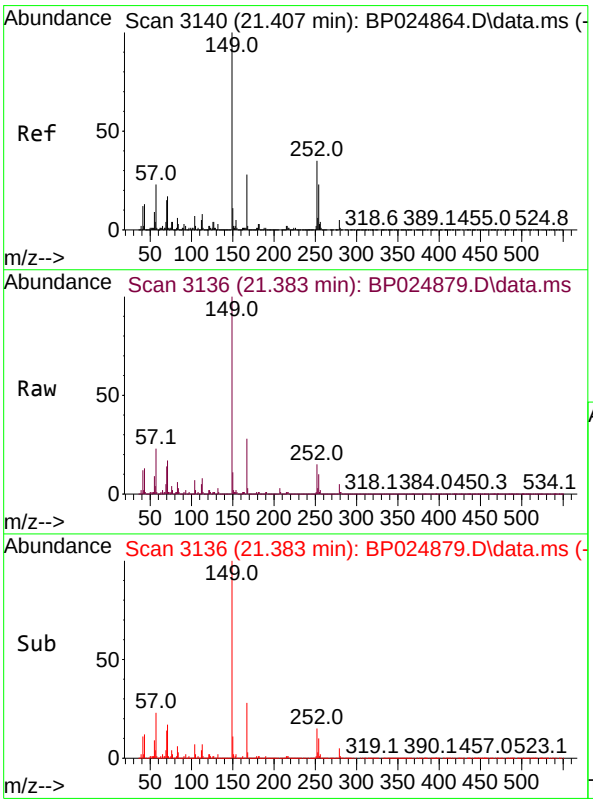
Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.8	35.6
229	20.1	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations
APPROVED

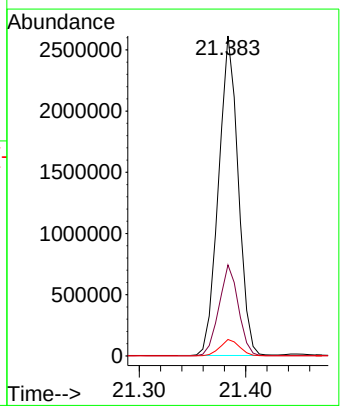
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

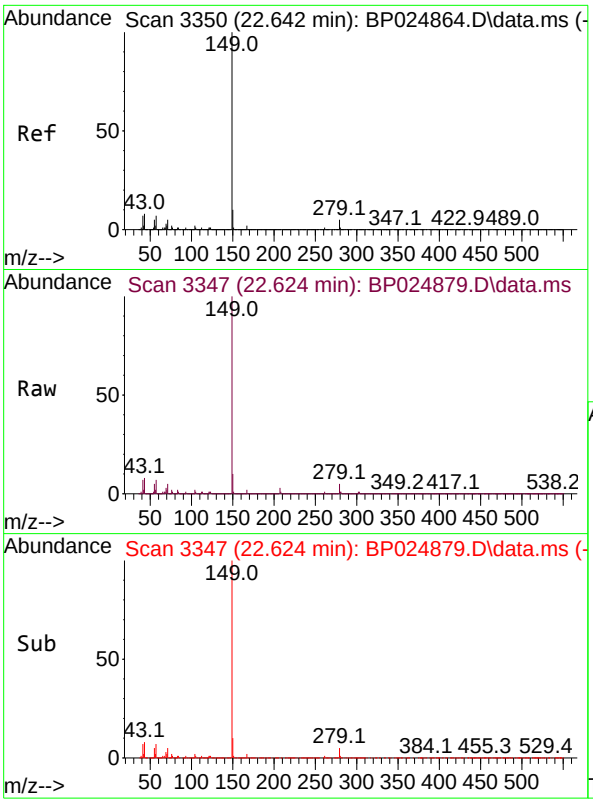


#84
Bis(2-ethylhexyl)phthalate
Concen: 55.031 ng
RT: 21.383 min Scan# 3136
Delta R.T. -0.024 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:149 Resp: 3362786

Ion	Ratio	Lower	Upper
149	100		
167	28.4	22.2	33.4
279	5.1	4.0	6.0

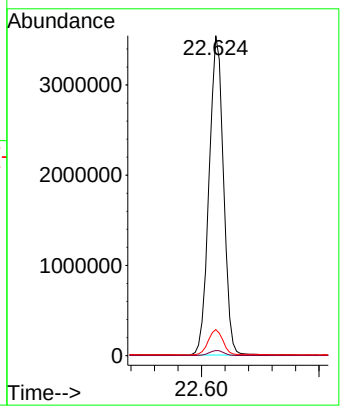




#85
Di-n-octyl phthalate
Concen: 56.069 ng
RT: 22.624 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

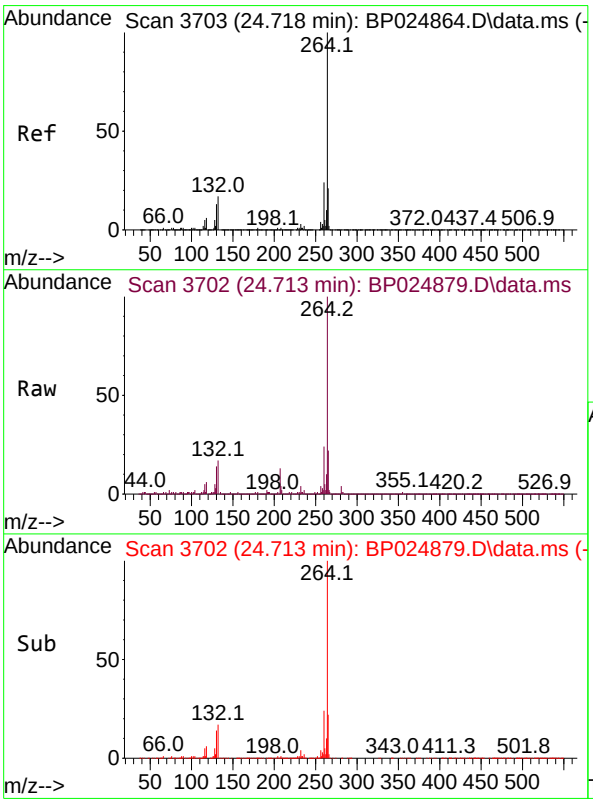
Tgt Ion:149 Resp: 603903

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.0	6.6	10.0



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

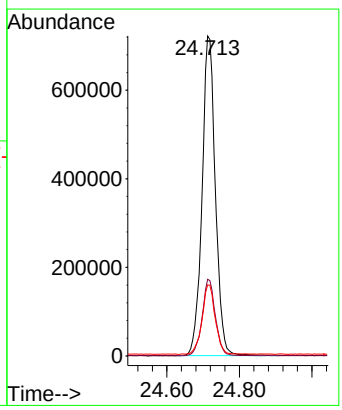
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

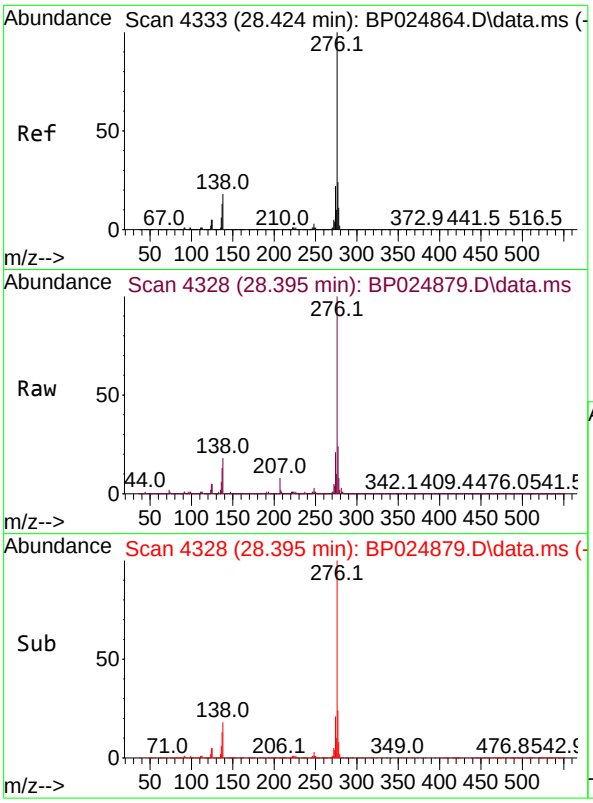


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.713 min Scan# 3702
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:264 Resp: 1839742

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.0	28.4
265	22.2	17.4	26.0

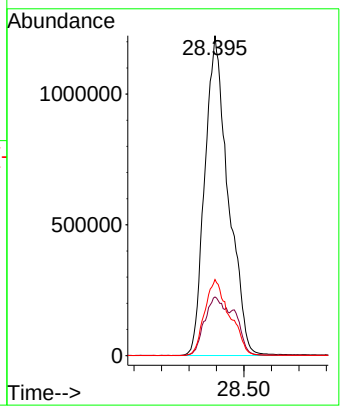




#87
Indeno(1,2,3-cd)pyrene
Concen: 54.022 ng
RT: 28.395 min Scan# 4
Delta R.T. -0.029 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

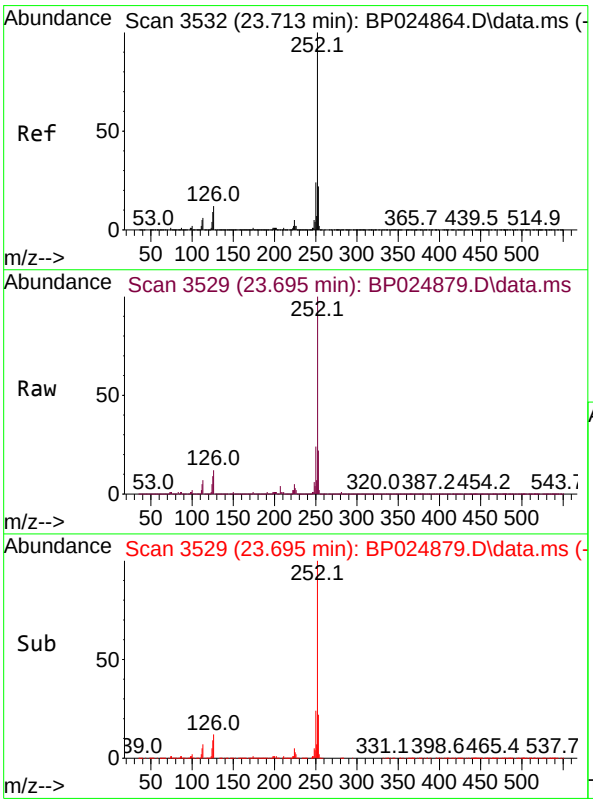
Tgt Ion:276 Resp: 725148

Ion	Ratio	Lower	Upper
276	100		
138	16.9	18.6	27.8
277	25.3	20.2	30.4



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

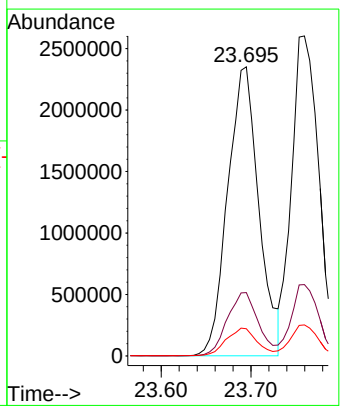
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

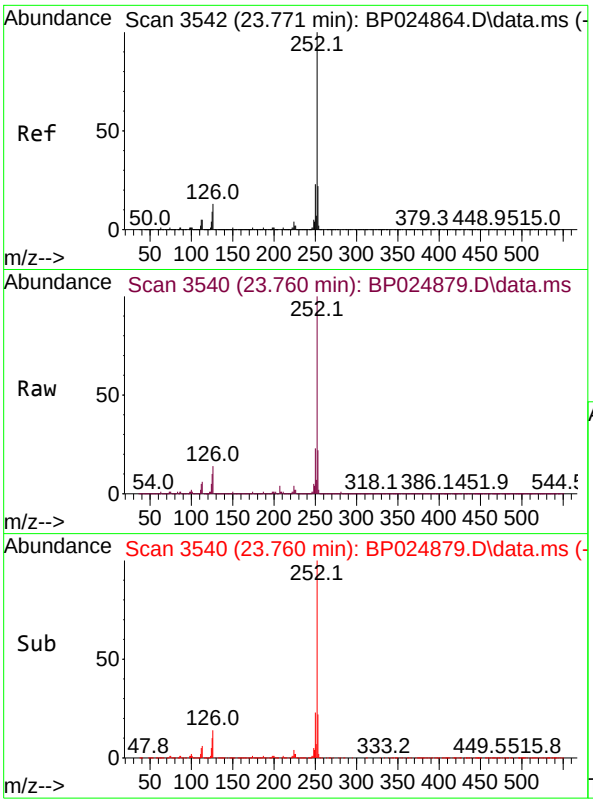


#88
Benzo(b)fluoranthene
Concen: 53.928 ng
RT: 23.695 min Scan# 3529
Delta R.T. -0.018 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:252 Resp: 5677984

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	9.4	7.1	10.7

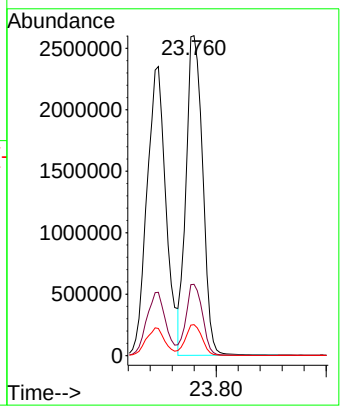




#89
Benzo(k)fluoranthene
Concen: 50.958 ng
RT: 23.760 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:252 Resp: 546137

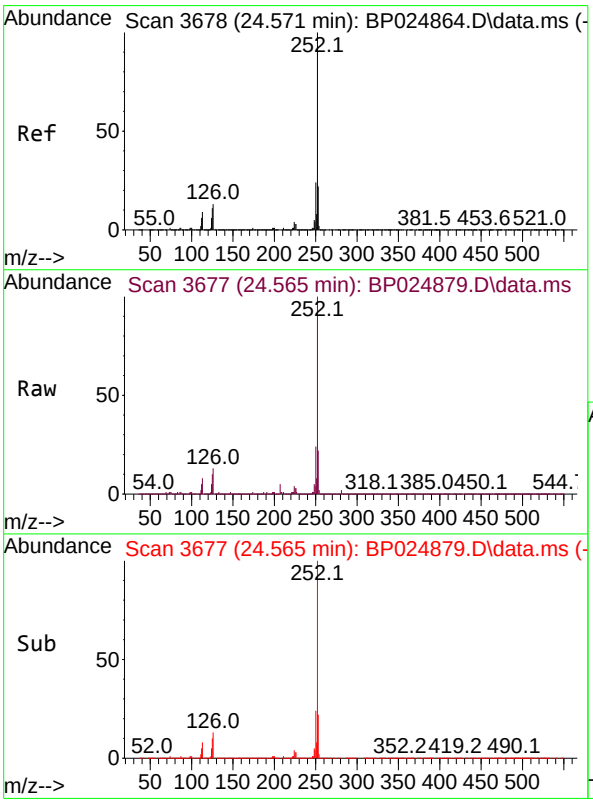
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	9.7	7.4	11.0



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations APPROVED

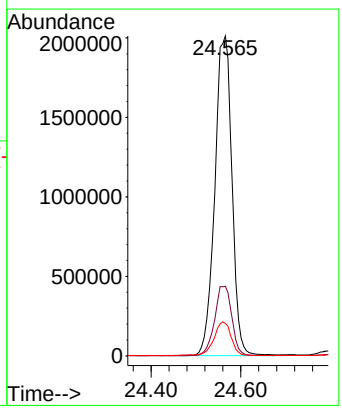
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

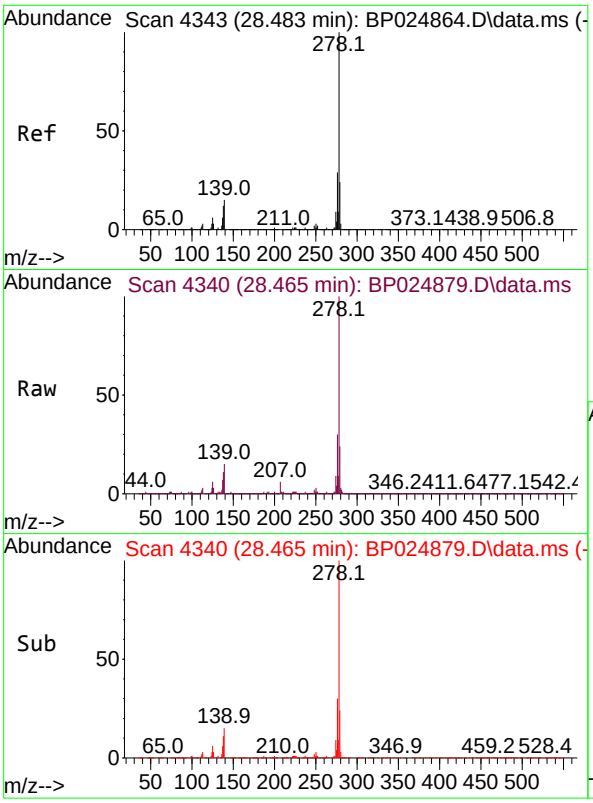


#90
Benzo(a)pyrene
Concen: 51.959 ng
RT: 24.565 min Scan# 3677
Delta R.T. -0.006 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:252 Resp: 5342607

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	10.2	8.8	13.2

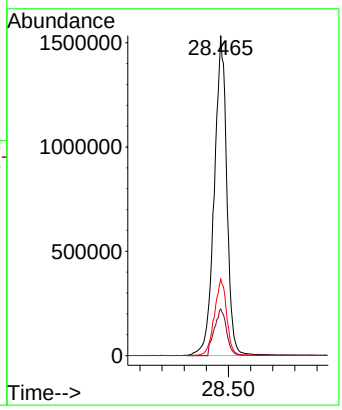




#91
Dibenzo(a,h)anthracene
Concen: 55.211 ng
RT: 28.465 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:278 Resp: 603238

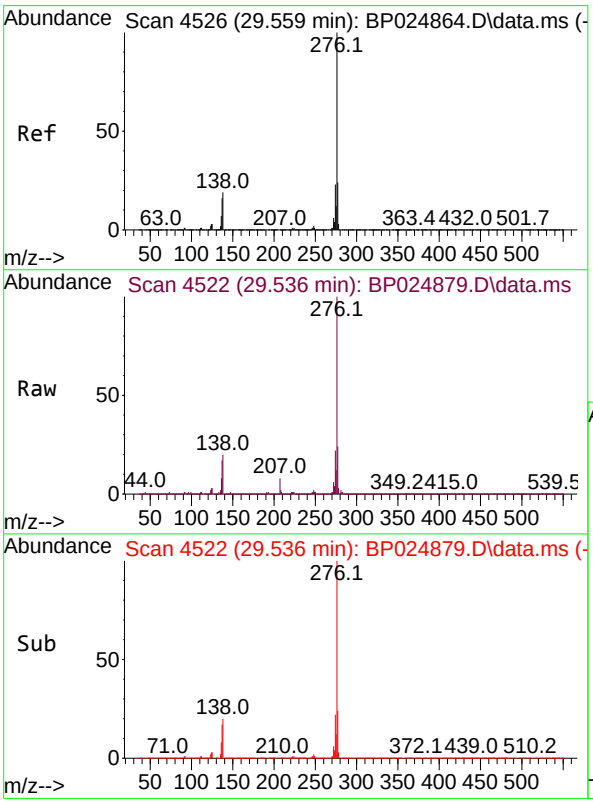
Ion	Ratio	Lower	Upper
278	100		
139	14.6	12.0	18.0
279	23.9	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MS

Manual Integrations APPROVED

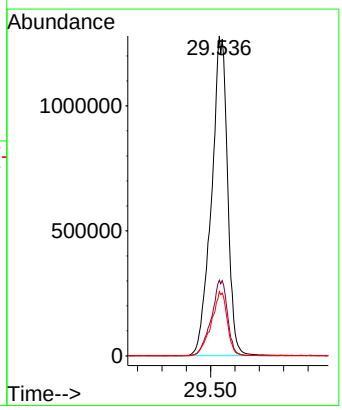
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#92
Benzo(g,h,i)perylene
Concen: 54.120 ng
RT: 29.536 min Scan# 4522
Delta R.T. -0.024 min
Lab File: BP024879.D
Acq: 09 Jun 2025 16:14

Tgt Ion:276 Resp: 5867002

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.1	28.7
138	20.1	15.4	23.2



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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/04/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	06/04/25
Client Sample ID:	GW-MW01-060425MSD	SDG No.:	Q2230
Lab Sample ID:	Q2230-04MSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	940 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024880.D	1	06/06/25 08:35	06/09/25 16:55	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
91-20-3	Naphthalene	42.1		0.53	5.30	ug/L
208-96-8	Acenaphthylene	51.1		0.80	5.30	ug/L
83-32-9	Acenaphthene	52.7		0.59	5.30	ug/L
86-73-7	Fluorene	53.9		0.67	5.30	ug/L
85-01-8	Phenanthrene	53.6		0.53	5.30	ug/L
120-12-7	Anthracene	53.0		0.65	5.30	ug/L
206-44-0	Fluoranthene	54.9		0.87	5.30	ug/L
129-00-0	Pyrene	56.8		0.53	5.30	ug/L
56-55-3	Benzo(a)anthracene	55.1		0.48	5.30	ug/L
218-01-9	Chrysene	54.7		0.47	5.30	ug/L
205-99-2	Benzo(b)fluoranthene	56.0		0.52	5.30	ug/L
207-08-9	Benzo(k)fluoranthene	55.1		0.51	5.30	ug/L
50-32-8	Benzo(a)pyrene	54.8		0.59	5.30	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	55.3		0.63	5.30	ug/L
53-70-3	Dibenzo(a,h)anthracene	55.8		0.71	5.30	ug/L
191-24-2	Benzo(g,h,i)perylene	54.4		0.73	5.30	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	88.0		67 - 132	88%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.9		52 - 132	86%	SPK: 100
1718-51-0	Terphenyl-d14	89.3		42 - 152	89%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	336000	7.608			
1146-65-2	Naphthalene-d8	1350000	10.378			
15067-26-2	Acenaphthene-d10	841000	14.248			
1517-22-2	Phenanthrene-d10	1660000	17.042			
1719-03-5	Chrysene-d12	1680000	21.477			
1520-96-3	Perylene-d12	1930000	24.73			

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

Report of Analysis

Client:	CDM Smith	Date Collected:	06/04/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	06/04/25
Client Sample ID:	GW-MW01-060425MSD	SDG No.:	Q2230
Lab Sample ID:	Q2230-04MSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	940 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024880.D	1	06/06/25 08:35	06/09/25 16:55	PB168323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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\BP060925\
Data File : BP024880.D
Acq On : 09 Jun 2025 16:55
Operator : RC/JU
Sample : Q2230-04MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 09 17:23:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.608	152	335961	20.000	ng		0.00
21) Naphthalene-d8	10.378	136	1346862	20.000	ng		0.00
39) Acenaphthene-d10	14.248	164	841053	20.000	ng		0.00
64) Phenanthrene-d10	17.042	188	1657665	20.000	ng		-0.02
76) Chrysene-d12	21.477	240	1681535	20.000	ng		0.00
86) Perylene-d12	24.730	264	1927042	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.243	112	1493936	74.225	ng		0.00
7) Phenol-d6	6.813	99	1233920	46.335	ng		0.00
23) Nitrobenzene-d5	8.760	82	2438439	87.976	ng		0.00
42) 2,4,6-Tribromophenol	15.766	330	1844847	158.655	ng		-0.02
45) 2-Fluorobiphenyl	12.854	172	5360805	85.864	ng		0.00
79) Terphenyl-d14	19.772	244	8381201	89.330	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.172	88	161256	18.208	ng	#	96
3) Pyridine	3.572	79	330125	15.500	ng		98
4) n-Nitrosodimethylamine	3.478	42	190267	21.852	ng	#	97
6) Aniline	6.949	93	870597	25.617	ng		99
8) 2-Chlorophenol	7.190	128	935721	41.010	ng		99
9) Benzaldehyde	6.766	77	560379	36.508	ng	#	76
10) Phenol	6.843	94	466808	17.004	ng		98
11) bis(2-Chloroethyl)ether	7.043	93	1018320	47.162	ng		99
12) 1,3-Dichlorobenzene	7.502	146	608351	23.900	ng		99
13) 1,4-Dichlorobenzene	7.643	146	628703	24.480	ng		100
14) 1,2-Dichlorobenzene	7.955	146	647114	25.659	ng		98
15) Benzyl Alcohol	7.860	79	695705	34.040	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.131	45	1181061	41.791	ng		100
17) 2-Methylphenol	8.072	107	666028	34.742	ng		99
18) Hexachloroethane	8.672	117	226470m	23.422	ng		
19) n-Nitroso-di-n-propyla...	8.413	70	818207	45.196	ng		100
20) 3+4-Methylphenols	8.396	107	946970	36.206	ng		97
22) Acetophenone	8.431	105	1776046	52.192	ng		98
24) Nitrobenzene	8.802	77	1268698	51.524	ng		98
25) Isophorone	9.325	82	2307754	48.041	ng		100
26) 2-Nitrophenol	9.507	139	604321	49.741	ng		99
27) 2,4-Dimethylphenol	9.578	122	915691	44.039	ng		99
28) bis(2-Chloroethoxy)met...	9.796	93	1419352	49.533	ng		99
29) 2,4-Dichlorophenol	10.049	162	972262	48.733	ng		99
30) 1,2,4-Trichlorobenzene	10.243	180	735365	32.679	ng		98
31) Naphthalene	10.425	128	2733509	39.604	ng		99
32) Benzoic acid	9.749	122	395443	28.143	ng		96
33) 4-Chloroaniline	10.549	127	786095	27.184	ng		99
34) Hexachlorobutadiene	10.707	225	383395	28.269	ng		99
35) Caprolactam	11.401	113	74360	10.125	ng	#	89
36) 4-Chloro-3-methylphenol	11.696	107	1057705	45.963	ng		100
37) 2-Methylnaphthalene	12.043	142	2000223	45.686	ng		100
38) 1-Methylnaphthalene	12.260	142	2147003	45.868	ng		99
40) 1,2,4,5-Tetrachloroben...	12.419	216	1093780	45.831	ng		100
41) Hexachlorocyclopentadiene	12.396	237	967365	66.457	ng		99
43) 2,4,6-Trichlorophenol	12.672	196	851953	53.157	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024880.D
Acq On : 09 Jun 2025 16:55
Operator : RC/JU
Sample : Q2230-04MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 09 17:23:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.760	196	931664	54.280	ng		98
46) 1,1'-Biphenyl	13.072	154	2985178	48.840	ng		98
47) 2-Chloronaphthalene	13.107	162	2227755	47.423	ng		99
48) 2-Nitroaniline	13.331	65	670214	46.407	ng		97
49) Acenaphthylene	13.966	152	3760375	48.008	ng		100
50) Dimethylphthalate	13.719	163	3142438	50.649	ng		100
51) 2,6-Dinitrotoluene	13.831	165	700478	52.372	ng		99
52) Acenaphthene	14.313	154	2223943	49.549	ng		99
53) 3-Nitroaniline	14.172	138	423824	30.534	ng		100
54) 2,4-Dinitrophenol	14.390	184	881046	99.689	ng		99
55) Dibenzofuran	14.648	168	3562013	49.440	ng		99
56) 4-Nitrophenol	14.525	139	470374	42.732	ng		98
57) 2,4-Dinitrotoluene	14.637	165	1010355	54.002	ng		97
58) Fluorene	15.313	166	2947017	50.635	ng		100
59) 2,3,4,6-Tetrachlorophenol	14.895	232	823770	53.716	ng		99
60) Diethylphthalate	15.095	149	3296154	53.307	ng		99
61) 4-Chlorophenyl-phenyle...	15.307	204	1446499	50.830	ng		99
62) 4-Nitroaniline	15.354	138	523586	41.603	ng		96
63) Azobenzene	15.607	77	2984270	52.624	ng		99
65) 4,6-Dinitro-2-methylph...	15.413	198	573565	52.658	ng		99
66) n-Nitrosodiphenylamine	15.531	169	2570412	50.028	ng		99
67) 4-Bromophenyl-phenylether	16.219	248	997886	53.352	ng		99
68) Hexachlorobenzene	16.337	284	1181954	52.127	ng		96
69) Atrazine	16.513	200	1005027	53.958	ng		99
70) Pentachlorophenol	16.701	266	1568201	133.632	ng		99
71) Phenanthrene	17.089	178	4614297	50.372	ng		99
72) Anthracene	17.184	178	4618867	49.786	ng		99
73) Carbazole	17.472	167	4426692	51.477	ng		99
74) Di-n-butylphthalate	18.048	149	6002825	56.341	ng		100
75) Fluoranthene	19.178	202	5483337	51.645	ng		99
77) Benzidine	19.407	184	15854m	0.304	ng		
78) Pyrene	19.554	202	5611099	53.412	ng		100
80) Butylbenzylphthalate	20.513	149	2857974	59.393	ng		97
81) Benzo(a)anthracene	21.460	228	5574248	51.831	ng		99
82) 3,3'-Dichlorobenzidine	21.389	252	731610	17.135	ng		98
83) Chrysene	21.524	228	5240307	51.424	ng		99
84) Bis(2-ethylhexyl)phtha...	21.395	149	4311017	62.529	ng		99
85) Di-n-octyl phthalate	22.636	149	7409270	60.971	ng		99
87) Indeno(1,2,3-cd)pyrene	28.436	276	7307495	51.973	ng	#	91
88) Benzo(b)fluoranthene	23.713	252	5806971	52.654	ng		99
89) Benzo(k)fluoranthene	23.777	252	5816924	51.816	ng		99
90) Benzo(a)pyrene	24.589	252	5546665	51.500	ng		99
91) Dibenzo(a,h)anthracene	28.477	278	6005498	52.475	ng		99
92) Benzo(g,h,i)perylene	29.559	276	5809887	51.165	ng		99

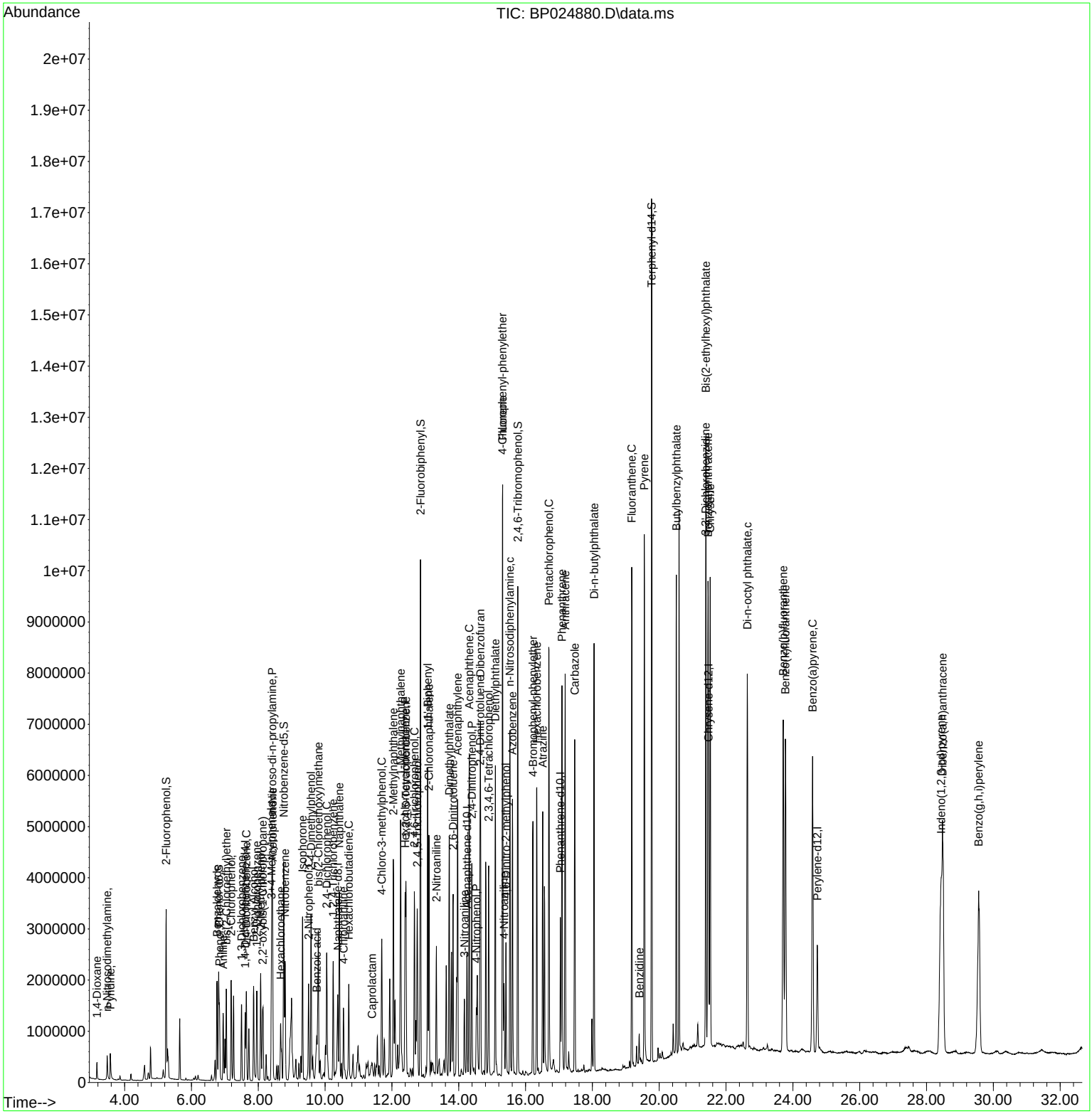
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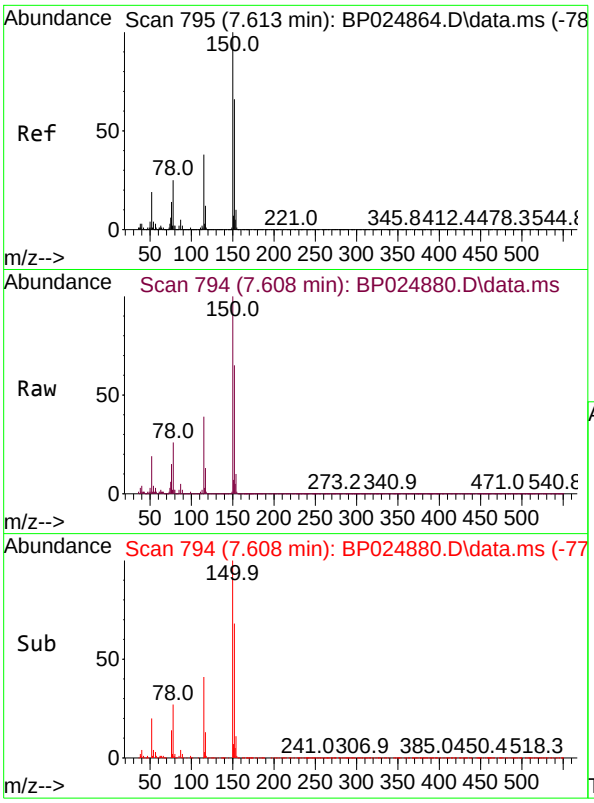
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Acq On : 09 Jun 2025 16:55
Operator : RC/JU
Sample : Q2230-04MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 09 17:23:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

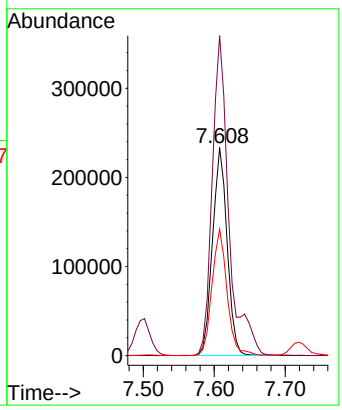




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 79
Delta R.T. -0.005 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

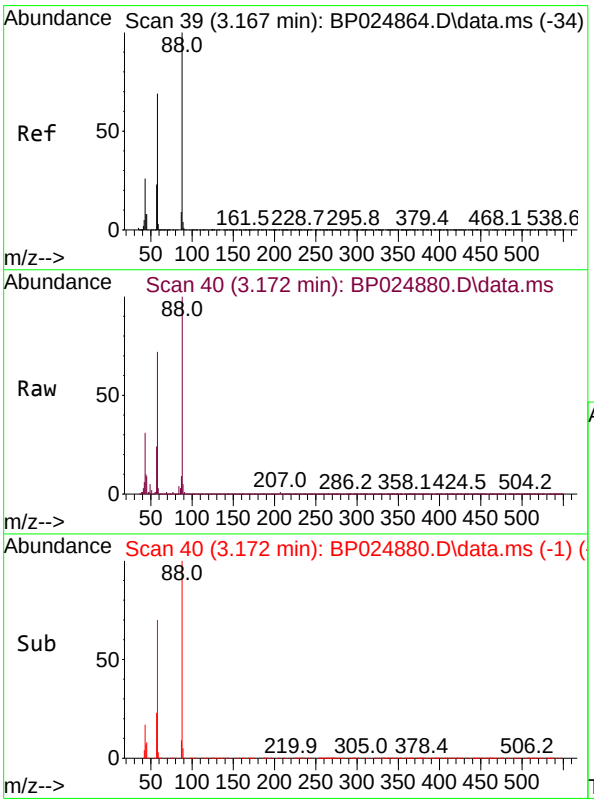
Tgt Ion:152 Resp: 335961

Ion	Ratio	Lower	Upper
152	100		
150	153.8	122.1	183.1
115	60.7	46.4	69.6



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

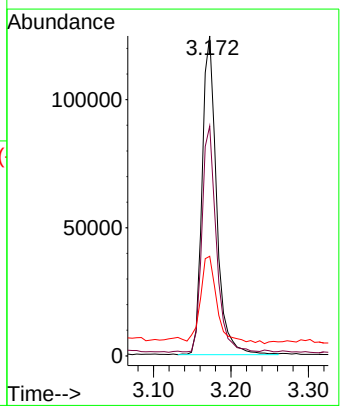
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

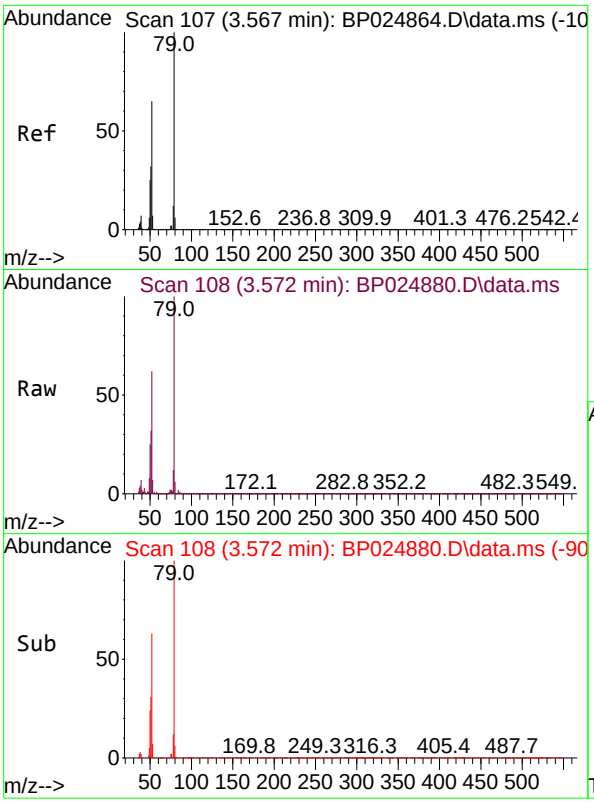


#2
1,4-Dioxane
Concen: 18.208 ng
RT: 3.172 min Scan# 40
Delta R.T. 0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion: 88 Resp: 161256

Ion	Ratio	Lower	Upper
88	100		
58	70.0	55.4	83.0
43	31.7	20.8	31.2#

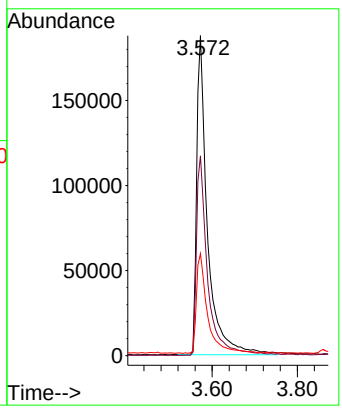




#3
Pyridine
Concen: 15.500 ng
RT: 3.572 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion: 79 Resp: 33012

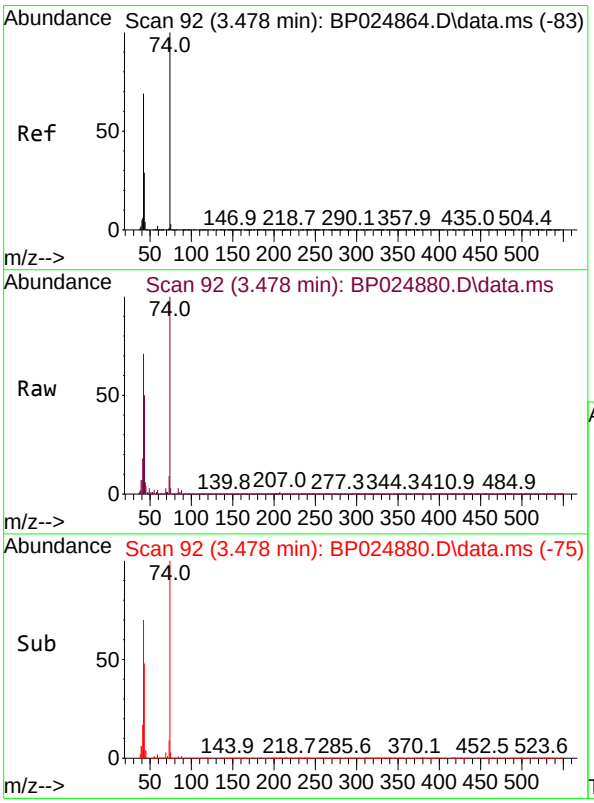
Ion	Ratio	Lower	Upper
79	100		
52	62.4	51.6	77.4
51	31.9	25.5	38.3



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

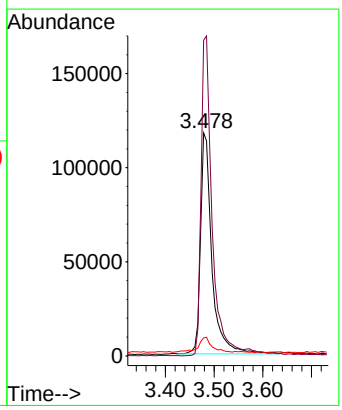
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

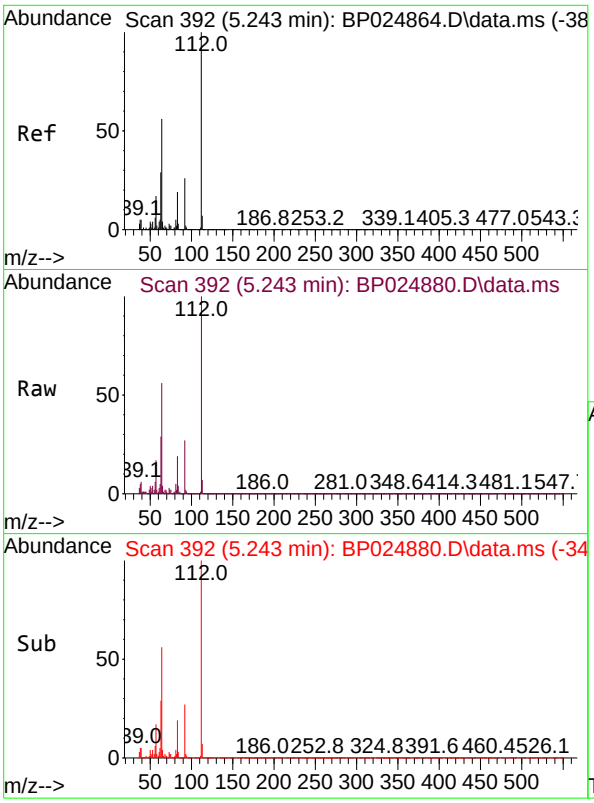


#4
n-Nitrosodimethylamine
Concen: 21.852 ng
RT: 3.478 min Scan# 92
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion: 42 Resp: 190267

Ion	Ratio	Lower	Upper
42	100		
74	141.5	116.6	174.8
44	8.1	5.4	8.0#

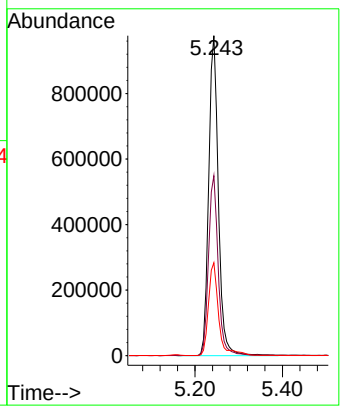




#5
2-Fluorophenol
Concen: 74.225 ng
RT: 5.243 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:112 Resp: 149393

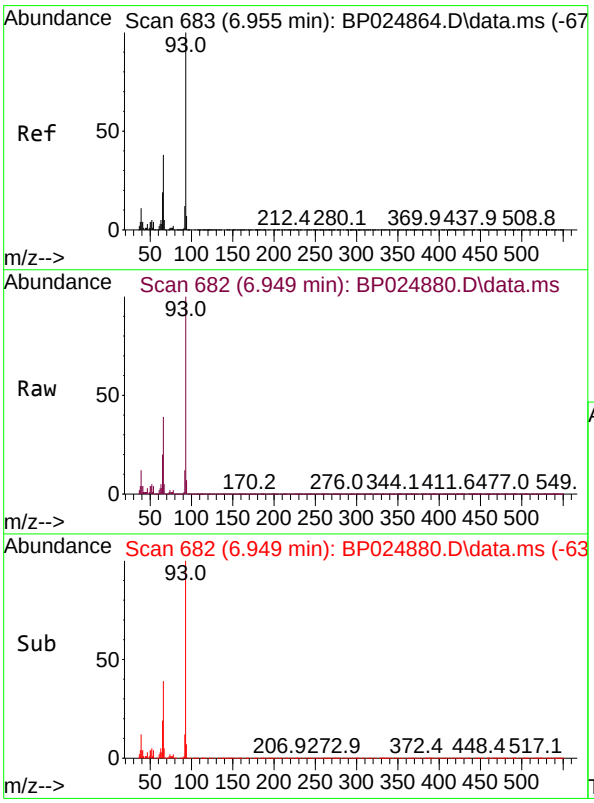
Ion	Ratio	Lower	Upper
112	100		
64	56.2	44.7	67.1
63	29.0	23.5	35.3



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

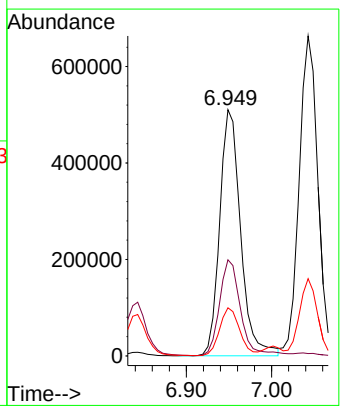
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

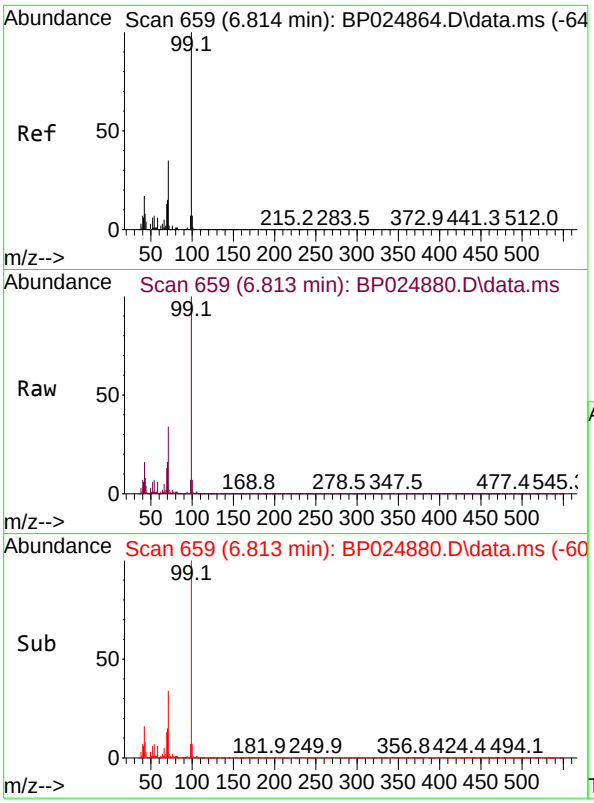


#6
Aniline
Concen: 25.617 ng
RT: 6.949 min Scan# 682
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion: 93 Resp: 870597

Ion	Ratio	Lower	Upper
93	100		
66	39.0	30.9	46.3
65	19.5	15.5	23.3

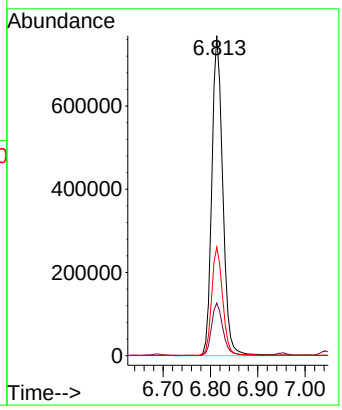




#7
Phenol-d6
Concen: 46.335 ng
RT: 6.813 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

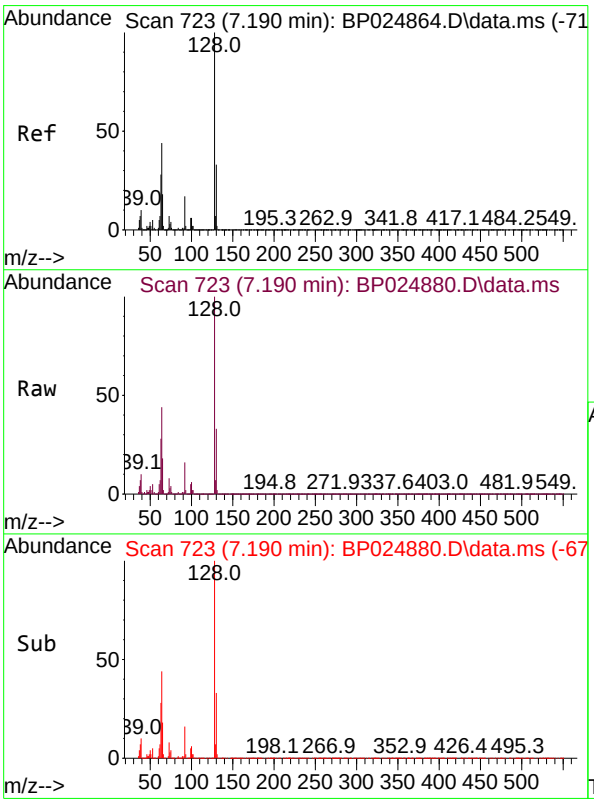
Tgt Ion: 99 Resp: 123392

Ion	Ratio	Lower	Upper
99	100		
42	16.4	13.4	20.2
71	33.8	27.6	41.4



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

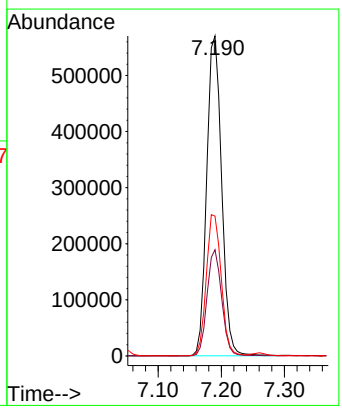
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

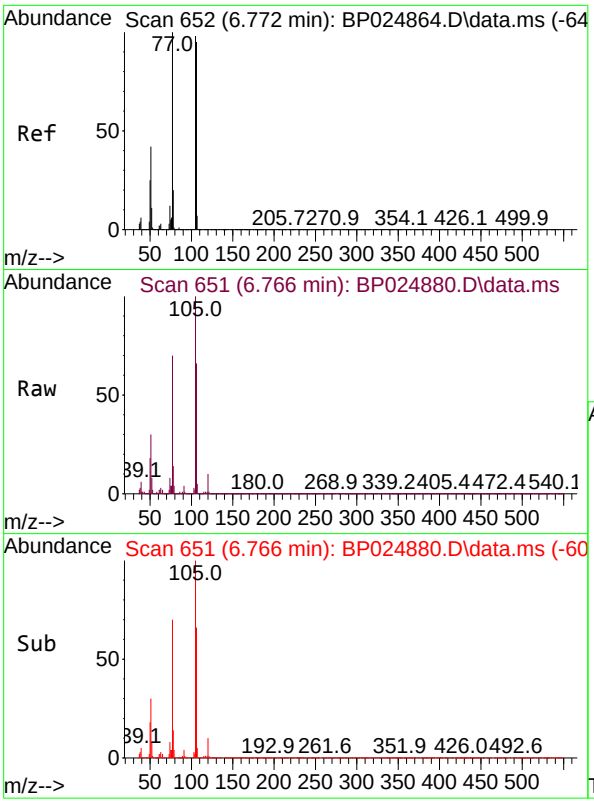


#8
2-Chlorophenol
Concen: 41.010 ng
RT: 7.190 min Scan# 723
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:128 Resp: 935721

Ion	Ratio	Lower	Upper
128	100		
130	33.2	12.6	52.6
64	43.7	24.1	64.1





#9
Benzaldehyde
Concen: 36.508 ng
RT: 6.766 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

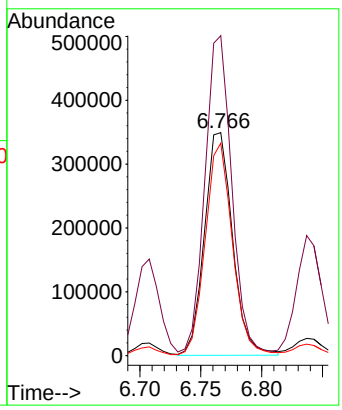
Tgt Ion: 77 Resp: 560379

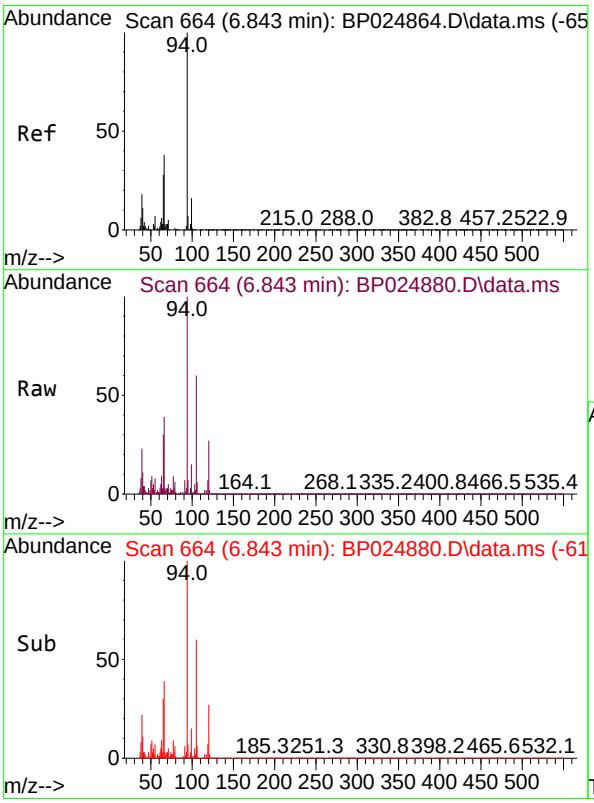
Ion	Ratio	Lower	Upper
77	100		
105	143.5	77.7	117.7#
106	95.3	74.8	114.8

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

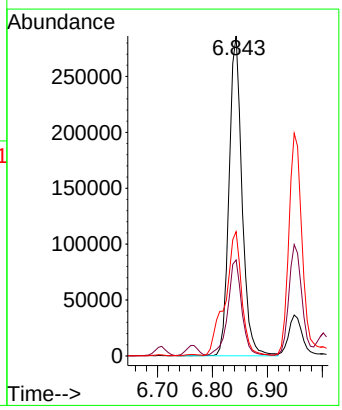


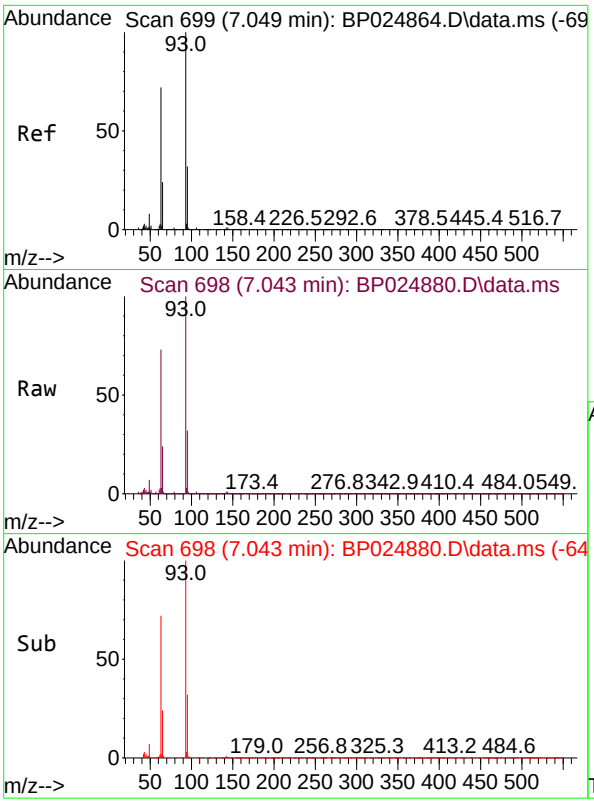


#10
Phenol
Concen: 17.004 ng
RT: 6.843 min Scan# 664
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion: 94 Resp: 466808

Ion	Ratio	Lower	Upper
94	100		
65	30.0	8.3	48.3
66	38.8	18.2	58.2

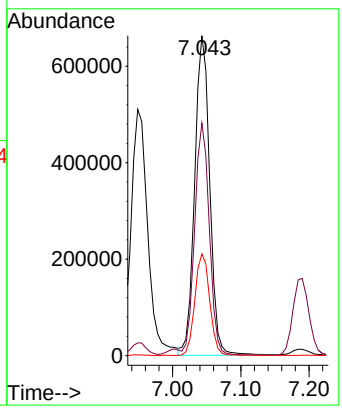




#11
bis(2-Chloroethyl)ether
Concen: 47.162 ng
RT: 7.043 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion: 93 Resp: 101832

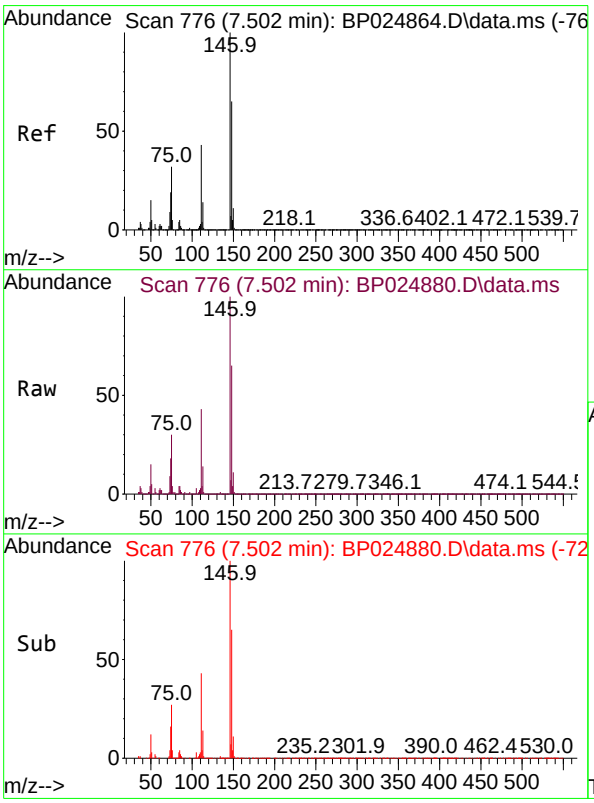
Ion	Ratio	Lower	Upper
93	100		
63	72.7	51.6	91.6
95	31.8	12.1	52.1



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations APPROVED

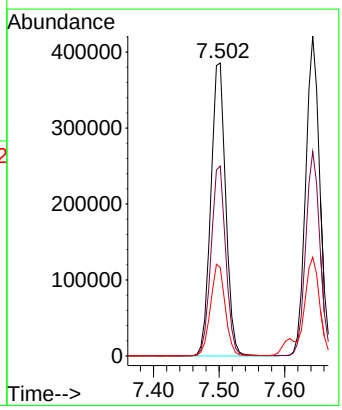
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

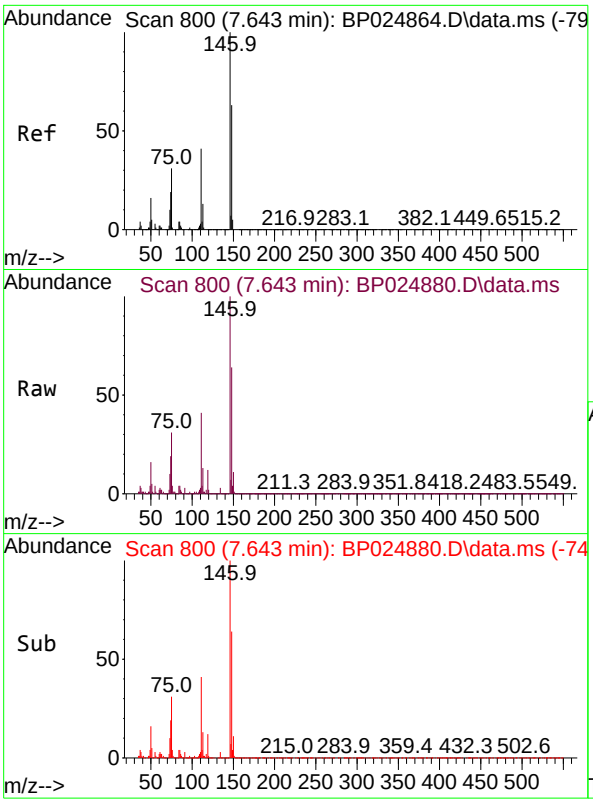


#12
1,3-Dichlorobenzene
Concen: 23.900 ng
RT: 7.502 min Scan# 776
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:146 Resp: 608351

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.8	77.8
75	30.2	25.3	37.9





#13
1,4-Dichlorobenzene
Concen: 24.480 ng
RT: 7.643 min Scan# 80
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

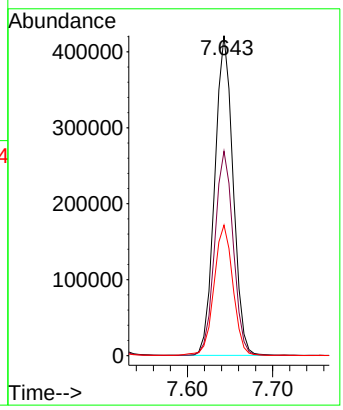
Tgt Ion:146 Resp: 62870

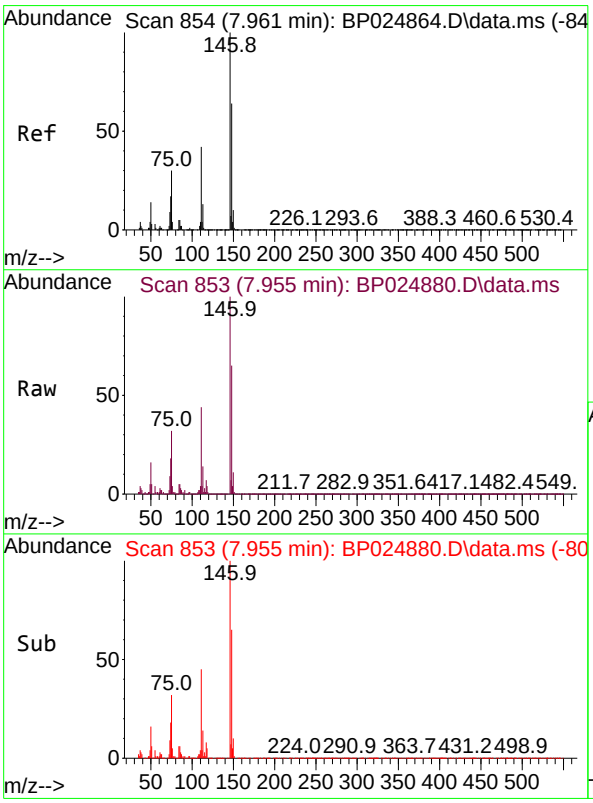
Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.8	76.2
111	40.8	32.7	49.1

Instrument :
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ClientSampleId :
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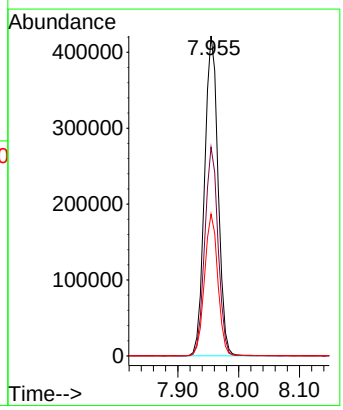


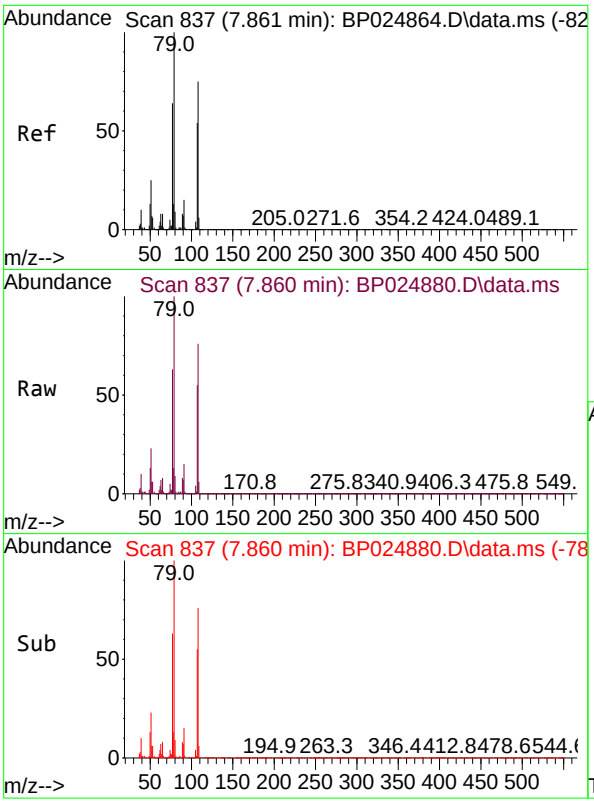


#14
1,2-Dichlorobenzene
Concen: 25.659 ng
RT: 7.955 min Scan# 853
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:146 Resp: 647114

Ion	Ratio	Lower	Upper
146	100		
148	65.2	51.0	76.4
111	44.3	33.8	50.8





#15
Benzyl Alcohol
Concen: 34.040 ng
RT: 7.860 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

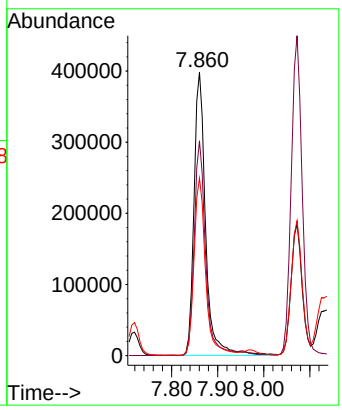
Tgt Ion: 79 Resp: 69570

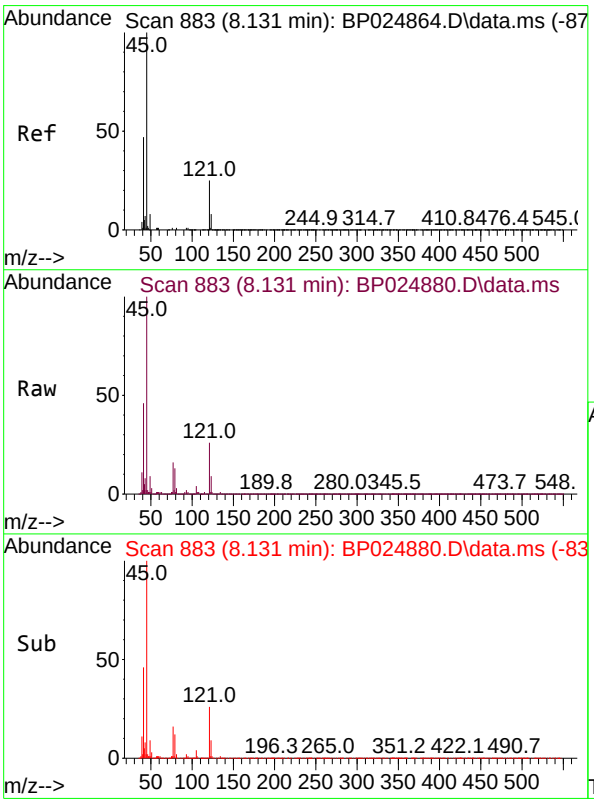
Ion	Ratio	Lower	Upper
79	100		
108	75.7	60.2	90.4
77	62.6	51.2	76.8

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

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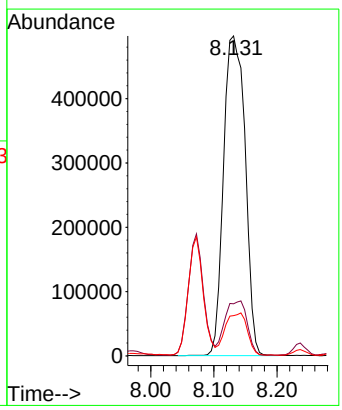


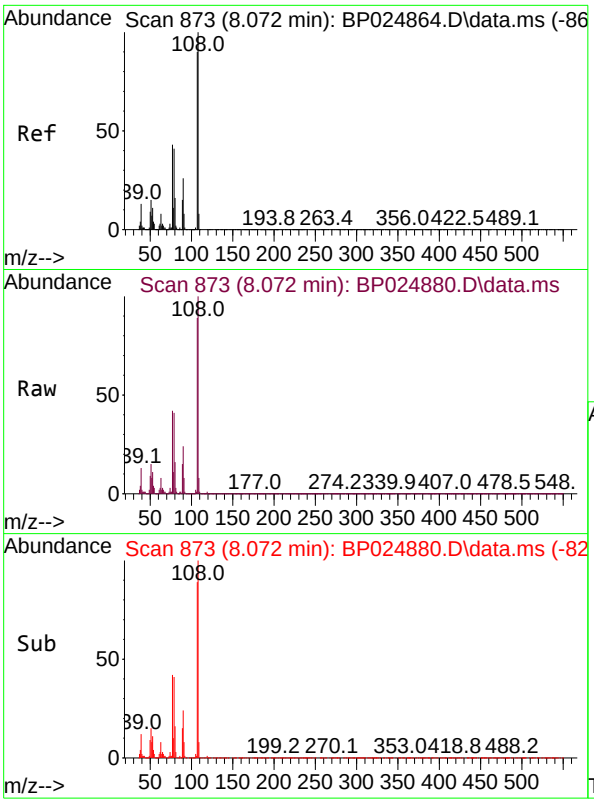


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.791 ng
RT: 8.131 min Scan# 883
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion: 45 Resp: 1181061

Ion	Ratio	Lower	Upper
45	100		
77	16.3	0.0	36.3
79	12.6	0.0	32.2

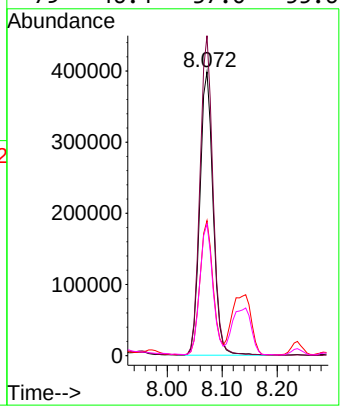




#17
2-Methylphenol
Concen: 34.742 ng
RT: 8.072 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:107 Resp: 66602

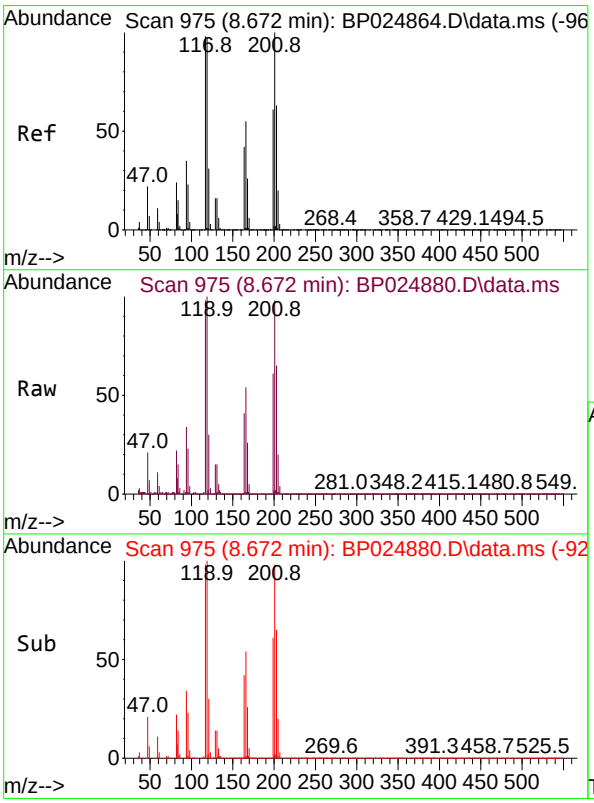
Ion	Ratio	Lower	Upper
107	100		
108	112.8	88.6	132.8
77	47.6	38.5	57.7
79	46.4	37.0	55.6



Instrument :
BNA_P
ClientSampleId :
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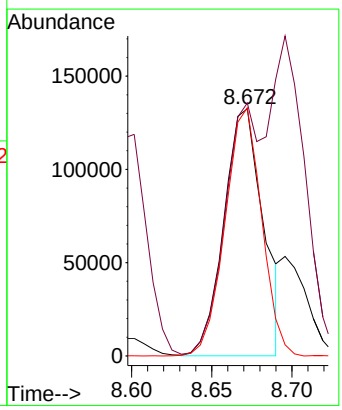
Reviewed By :Rahul Chavli 06/10/2025
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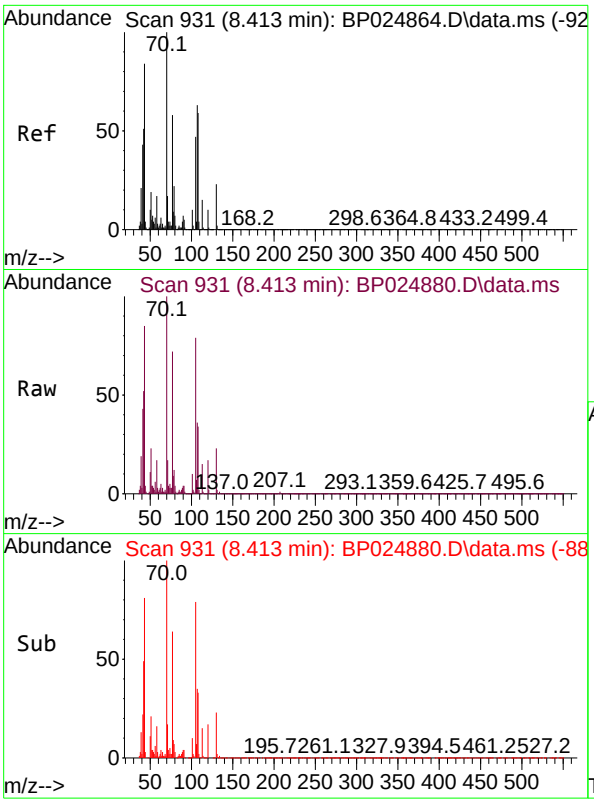


#18
Hexachloroethane
Concen: 23.422 ng m
RT: 8.672 min Scan# 975
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:117 Resp: 226470

Ion	Ratio	Lower	Upper
117	100		
119	102.4	79.4	119.2
201	100.4	81.4	122.2

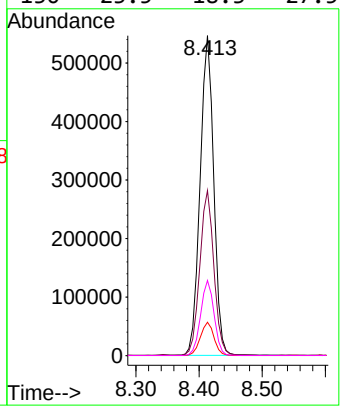




#19
n-Nitroso-di-n-propylamine
Concen: 45.196 ng
RT: 8.413 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

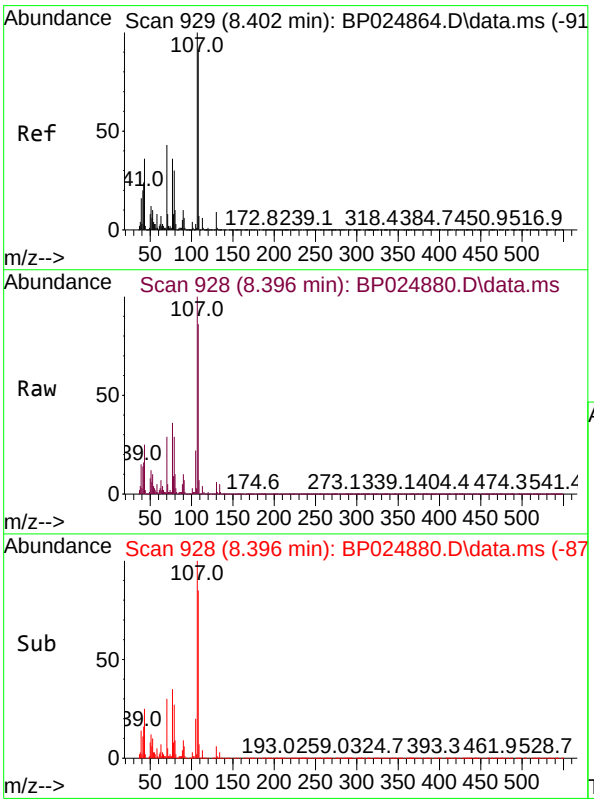
Tgt Ion: 70 Resp: 81820

Ion	Ratio	Lower	Upper
70	100		
42	51.6	41.2	61.8
101	10.5	8.3	12.5
130	23.5	18.3	27.5



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

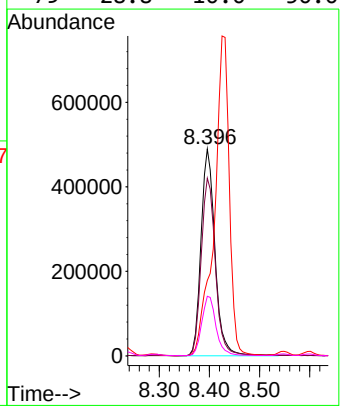
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Supervised By :Jagrut Upadhyay 06/10/2025

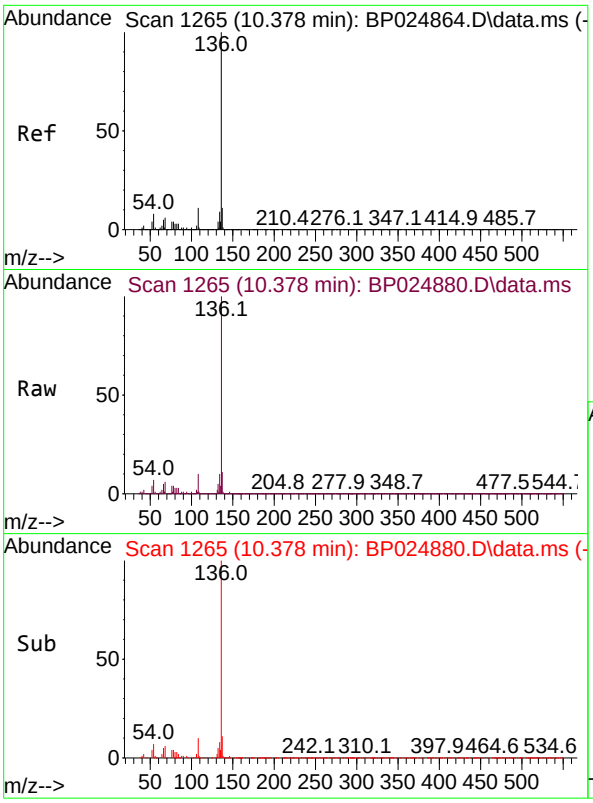


#20
3+4-Methylphenols
Concen: 36.206 ng
RT: 8.396 min Scan# 928
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:107 Resp: 946970

Ion	Ratio	Lower	Upper
107	100		
108	85.9	70.7	110.7
77	36.4	16.6	56.6
79	28.8	10.0	50.0

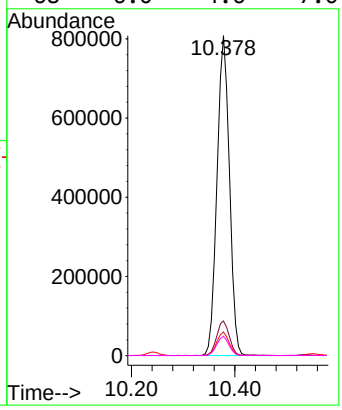




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:136 Resp: 134686

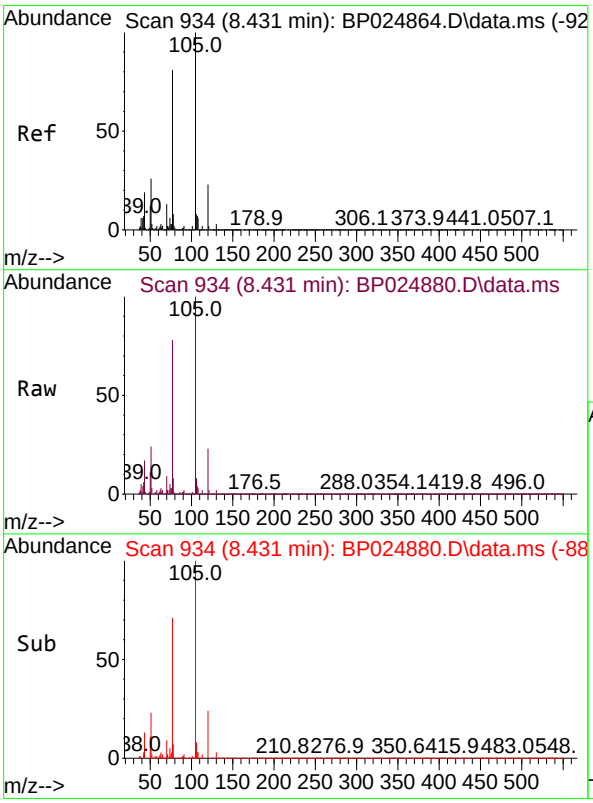
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.4	6.1	9.1
68	6.0	4.6	7.0



Instrument :
BNA_P
ClientSampleId :
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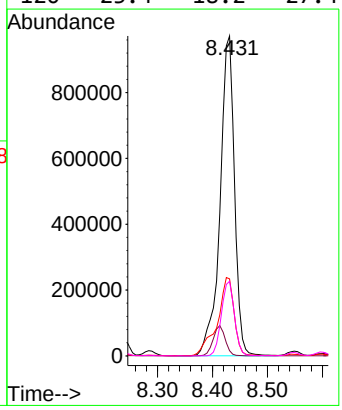
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

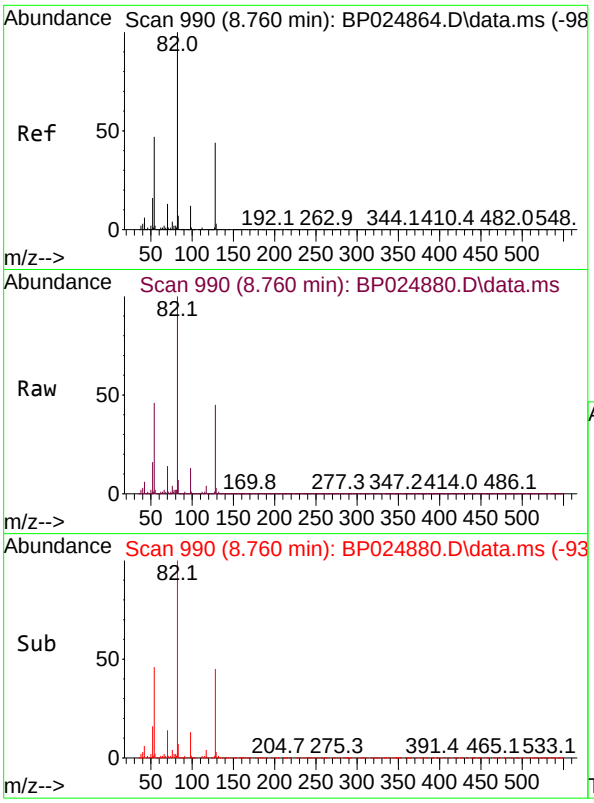


#22
Acetophenone
Concen: 52.192 ng
RT: 8.431 min Scan# 934
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:105 Resp: 1776046

Ion	Ratio	Lower	Upper
105	100		
71	1.6	1.6	2.4
51	24.1	20.6	31.0
120	23.4	18.2	27.4

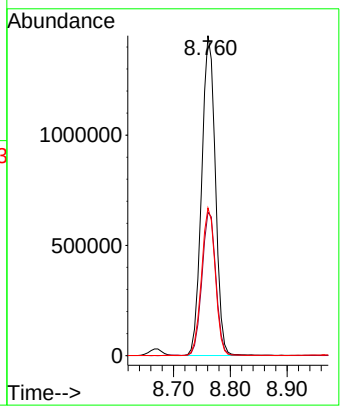




#23
Nitrobenzene-d5
Concen: 87.976 ng
RT: 8.760 min Scan# 99
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion: 82 Resp: 243843

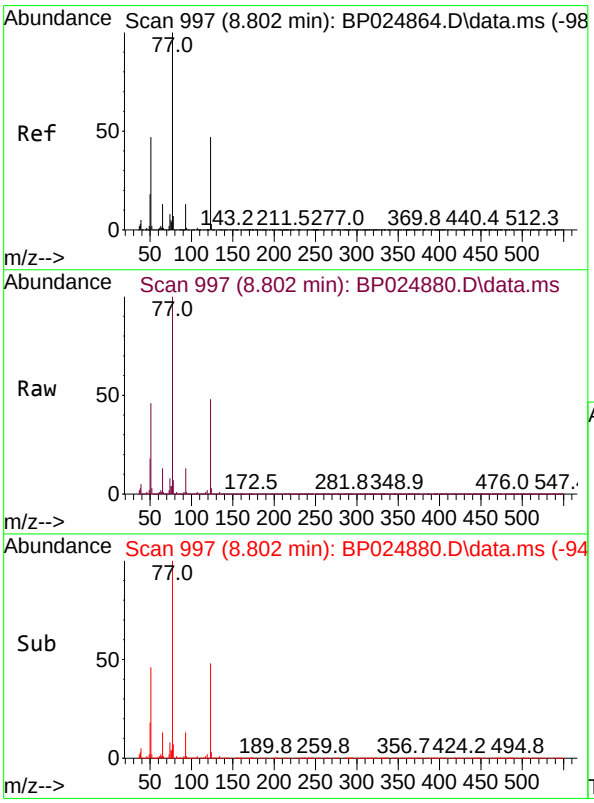
Ion	Ratio	Lower	Upper
82	100		
128	44.8	35.3	52.9
54	46.1	37.4	56.0



Instrument :
BNA_P
ClientSampleId :
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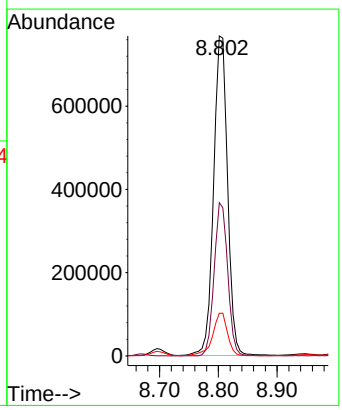
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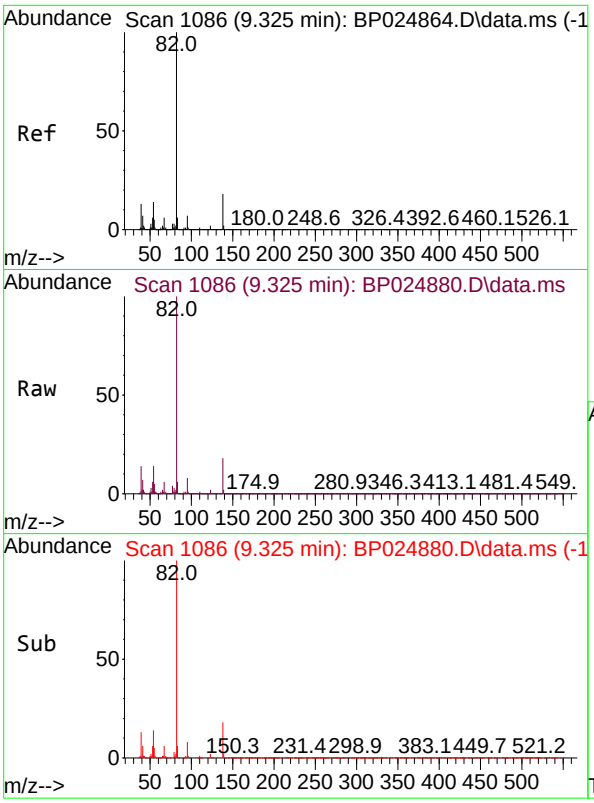


#24
Nitrobenzene
Concen: 51.524 ng
RT: 8.802 min Scan# 997
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion: 77 Resp: 1268698

Ion	Ratio	Lower	Upper
77	100		
123	47.9	37.3	55.9
65	13.3	10.8	16.2

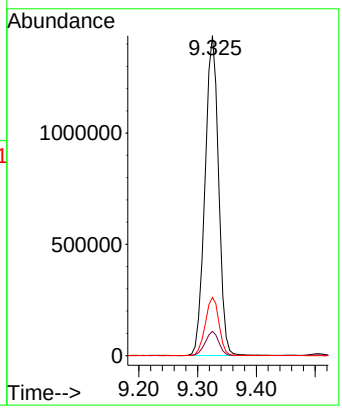




#25
Isophorone
Concen: 48.041 ng
RT: 9.325 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion: 82 Resp: 230775

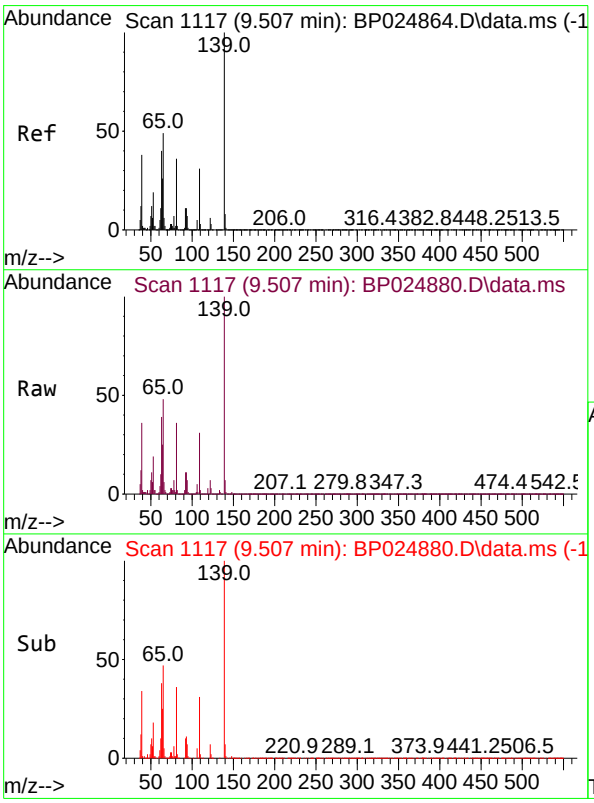
Ion	Ratio	Lower	Upper
82	100		
95	7.6	5.9	8.9
138	18.2	14.6	21.8



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

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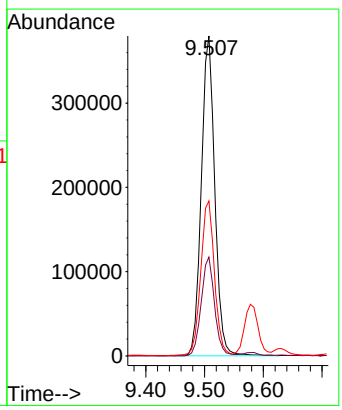
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

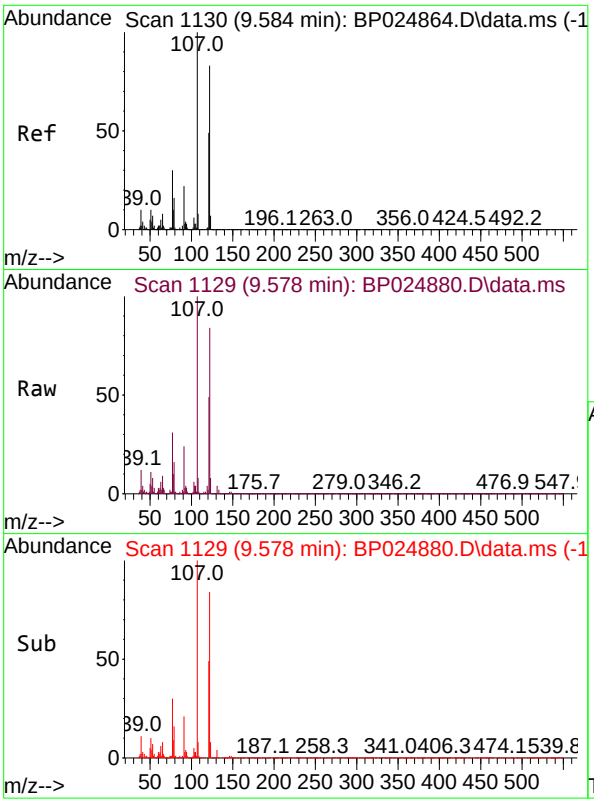


#26
2-Nitrophenol
Concen: 49.741 ng
RT: 9.507 min Scan# 1117
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:139 Resp: 604321

Ion	Ratio	Lower	Upper
139	100		
109	30.9	24.6	37.0
65	48.4	39.5	59.3

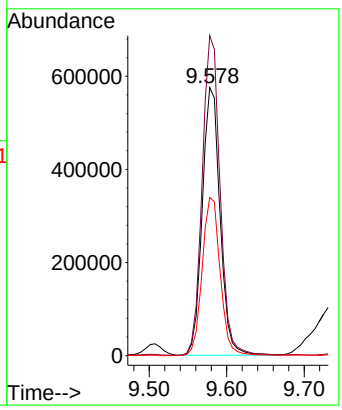




#27
2,4-Dimethylphenol
Concen: 44.039 ng
RT: 9.578 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

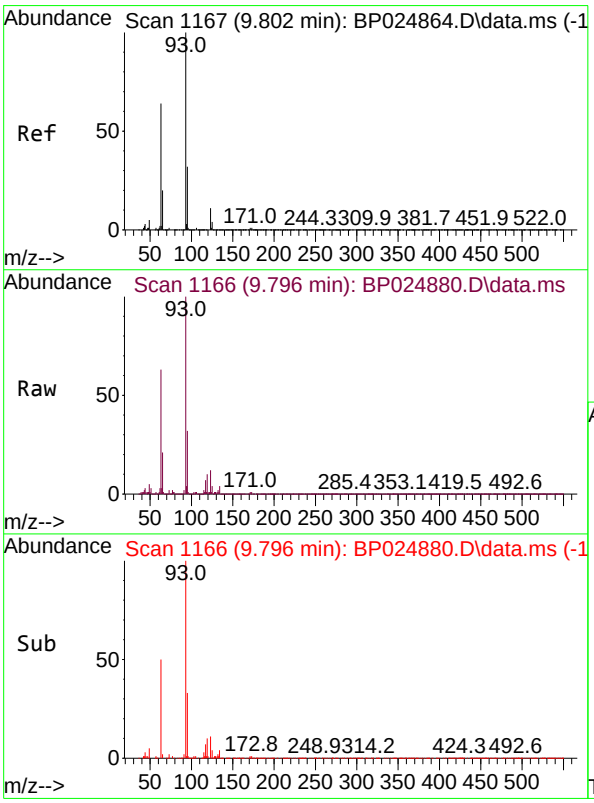
Tgt Ion:122 Resp: 91569

Ion	Ratio	Lower	Upper
122	100		
107	119.3	96.2	144.4
121	59.0	47.0	70.4



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

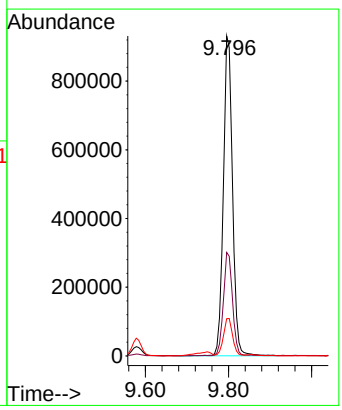
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Supervised By :Jagrut Upadhyay 06/10/2025

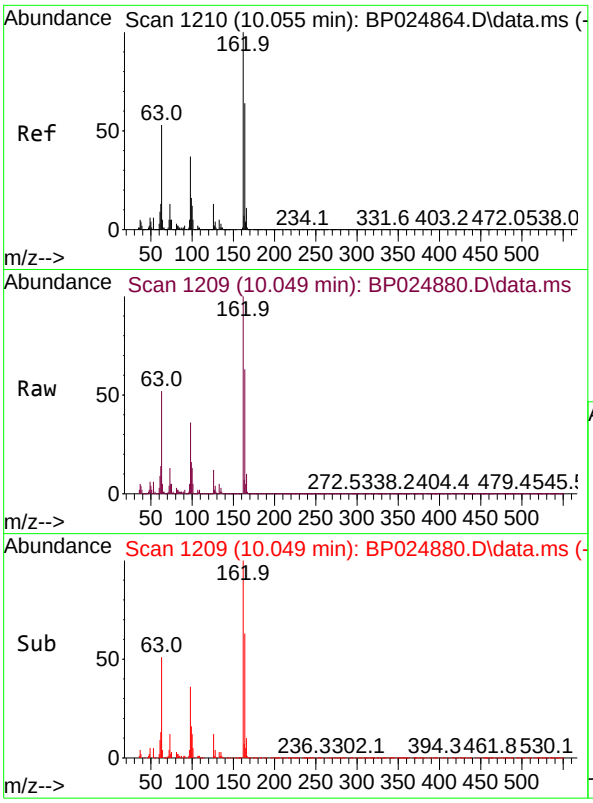


#28
bis(2-Chloroethoxy)methane
Concen: 49.533 ng
RT: 9.796 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion: 93 Resp: 1419352

Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.5	38.3
123	11.6	9.2	13.8





#29
2,4-Dichlorophenol
Concen: 48.733 ng
RT: 10.049 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

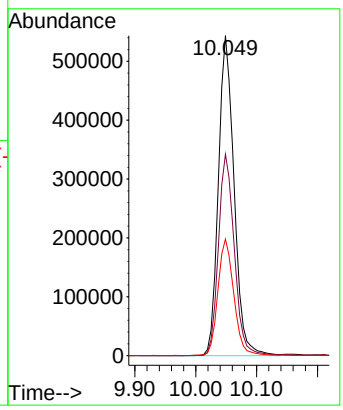
Tgt Ion:162 Resp: 97226

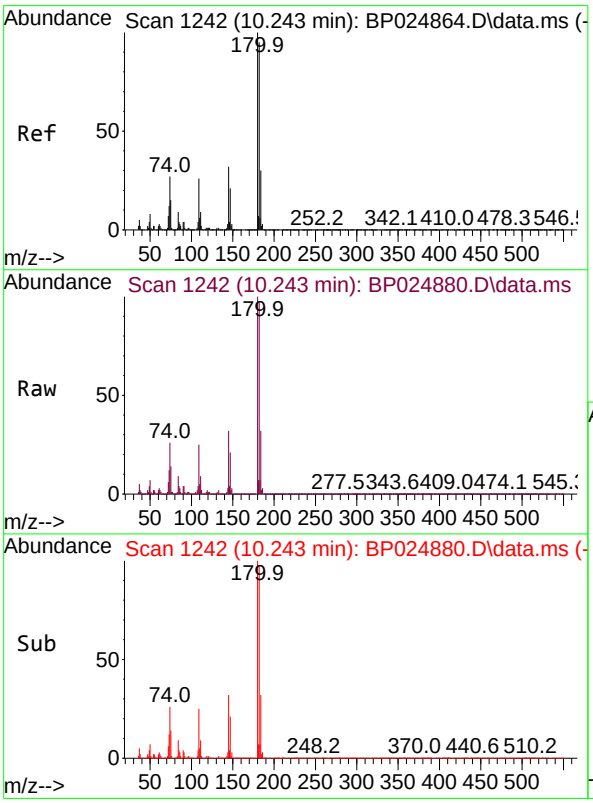
Ion	Ratio	Lower	Upper
162	100		
164	62.9	44.0	84.0
98	36.4	16.9	56.9

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

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Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

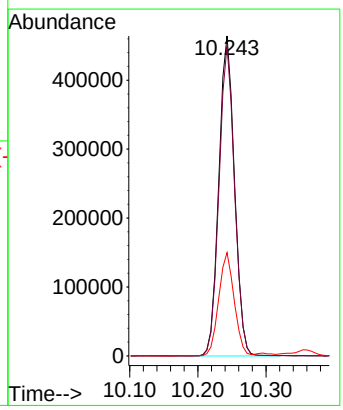


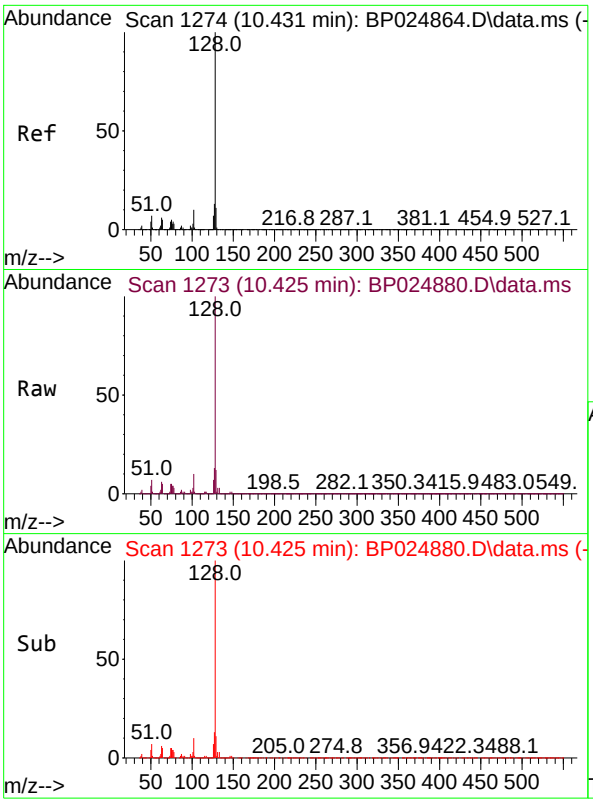


#30
1,2,4-Trichlorobenzene
Concen: 32.679 ng
RT: 10.243 min Scan# 1242
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:180 Resp: 735365

Ion	Ratio	Lower	Upper
180	100		
182	96.9	75.8	113.6
145	32.3	25.7	38.5

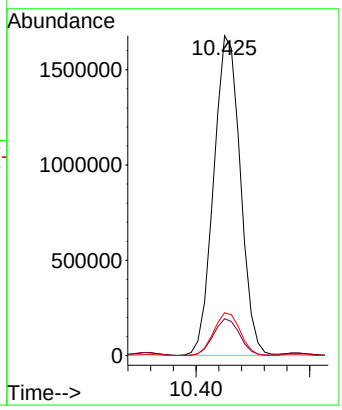




#31
Naphthalene
Concen: 39.604 ng
RT: 10.425 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:128 Resp: 273350

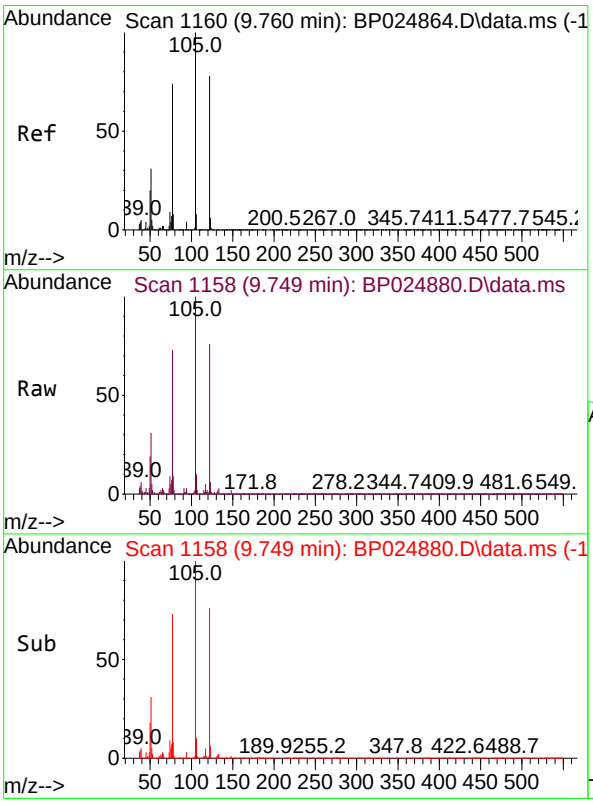
Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.7	13.1
127	13.4	10.7	16.1



Instrument :
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ClientSampleId :
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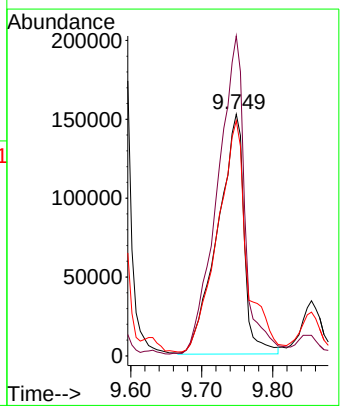
Reviewed By :Rahul Chavli 06/10/2025
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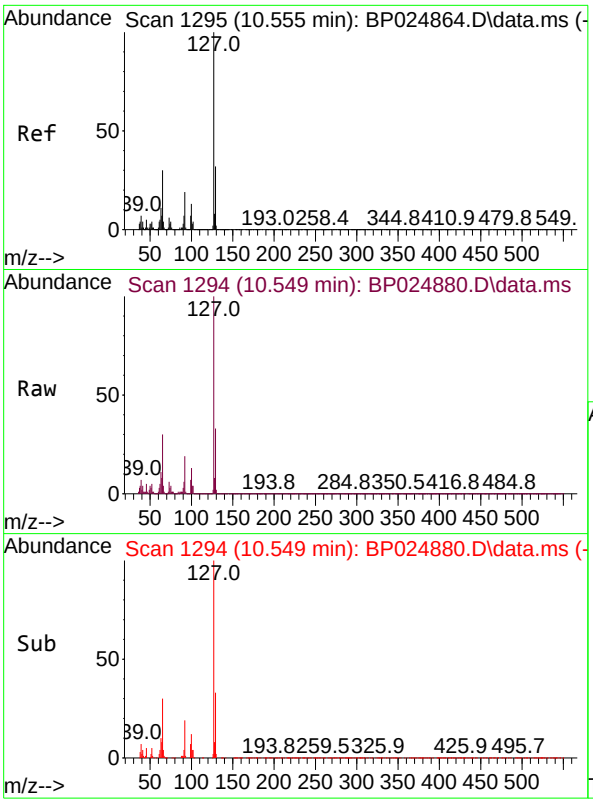


#32
Benzoic acid
Concen: 28.143 ng
RT: 9.749 min Scan# 1158
Delta R.T. -0.012 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:122 Resp: 395443

Ion	Ratio	Lower	Upper
122	100		
105	132.4	107.1	147.1
77	97.3	75.1	115.1

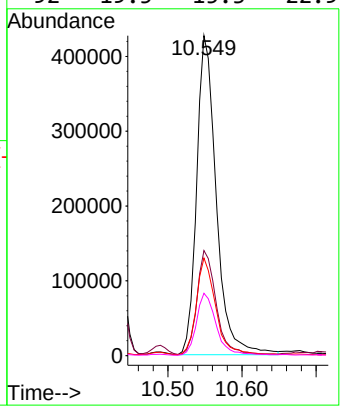




#33
4-Chloroaniline
Concen: 27.184 ng
RT: 10.549 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:127 Resp: 78609

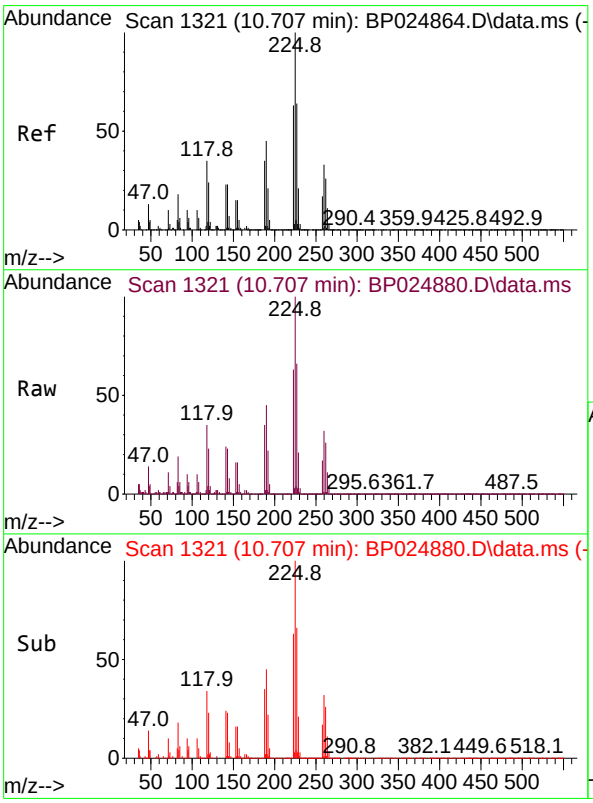
Ion	Ratio	Lower	Upper
127	100		
129	32.8	25.9	38.9
65	30.5	23.9	35.9
92	19.5	15.3	22.9



Instrument :
BNA_P
ClientSampleId :
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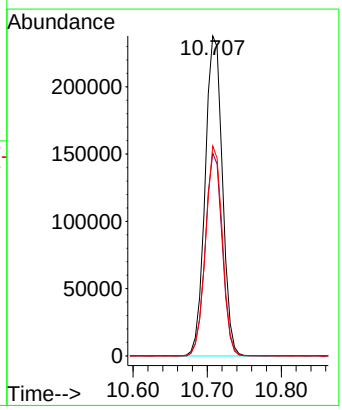
Reviewed By :Rahul Chavli 06/10/2025
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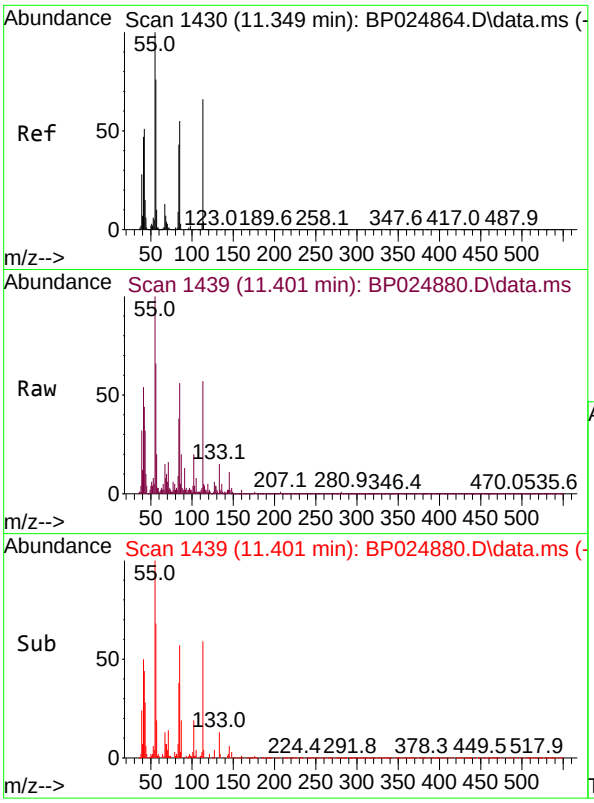


#34
Hexachlorobutadiene
Concen: 28.269 ng
RT: 10.707 min Scan# 1321
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:225 Resp: 383395

Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.5	75.7
227	65.6	51.4	77.2





#35
Caprolactam
Concen: 10.125 ng
RT: 11.401 min Scan# 14
Delta R.T. 0.053 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

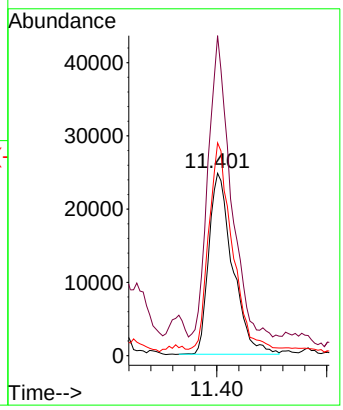
Tgt Ion:113 Resp: 7436

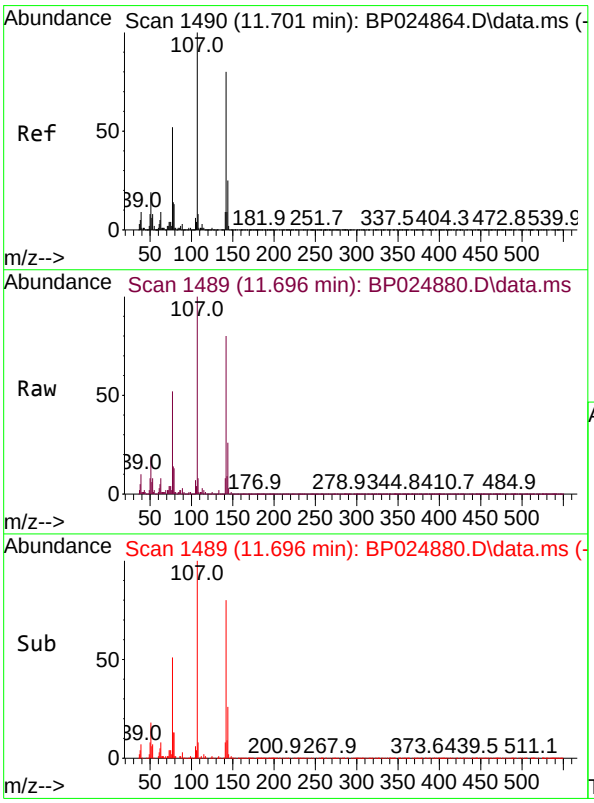
Ion	Ratio	Lower	Upper
113	100		
55	175.6	132.5	172.5
56	116.7	96.0	136.0

Instrument :
BNA_P
ClientSampleId :
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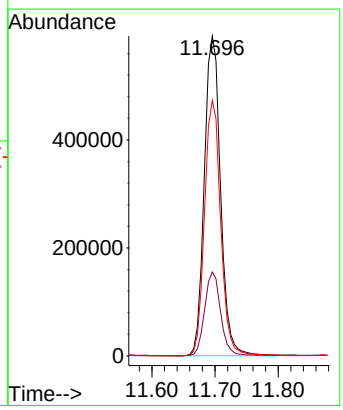


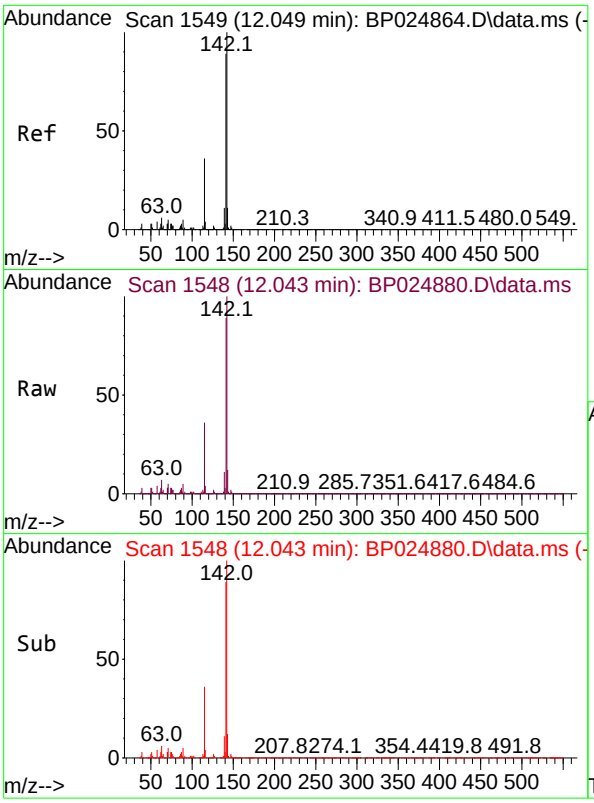


#36
4-Chloro-3-methylphenol
Concen: 45.963 ng
RT: 11.696 min Scan# 1489
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:107 Resp: 1057705

Ion	Ratio	Lower	Upper
107	100		
144	26.2	20.4	30.6
142	79.8	63.8	95.6

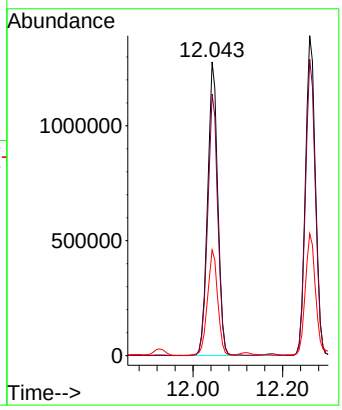




#37
2-Methylnaphthalene
Concen: 45.686 ng
RT: 12.043 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:142 Resp: 200022

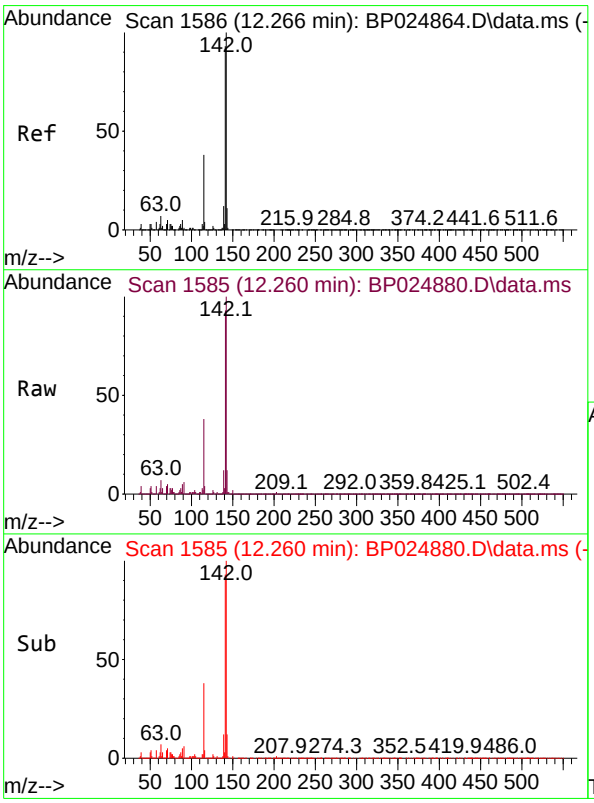
Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.2	106.8
115	36.0	28.5	42.7



Instrument :
BNA_P
ClientSampleId :
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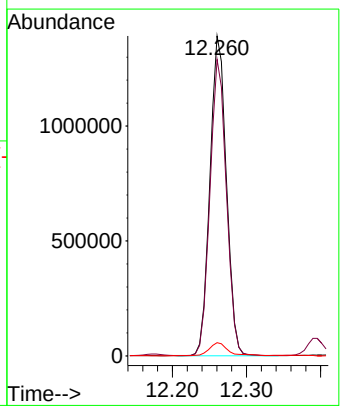
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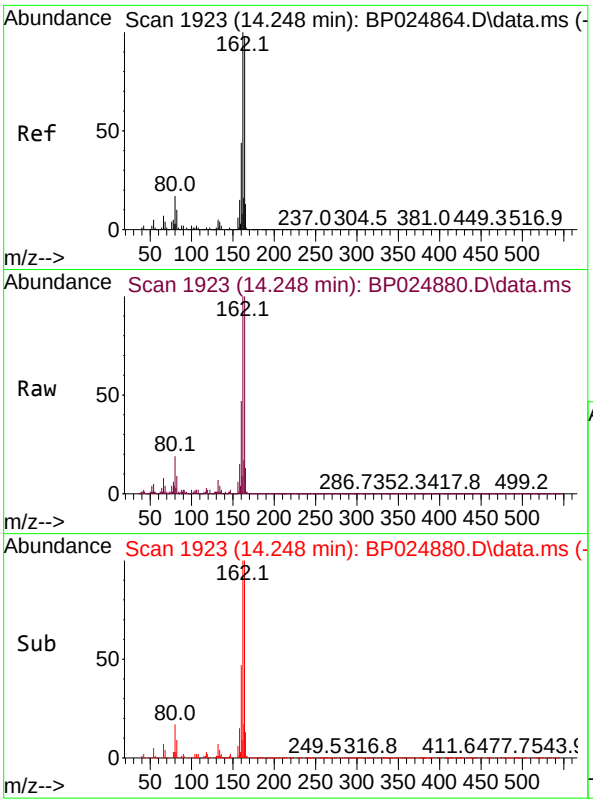


#38
1-Methylnaphthalene
Concen: 45.868 ng
RT: 12.260 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:142 Resp: 2147003

Ion	Ratio	Lower	Upper
142	100		
141	92.6	74.7	112.1
116	4.1	3.4	5.0





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.248 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

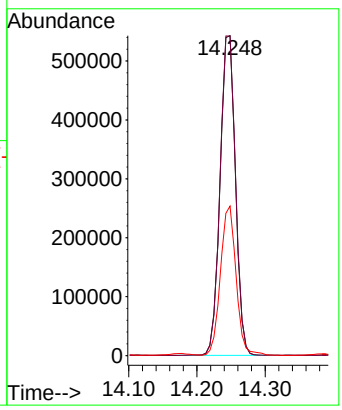
Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

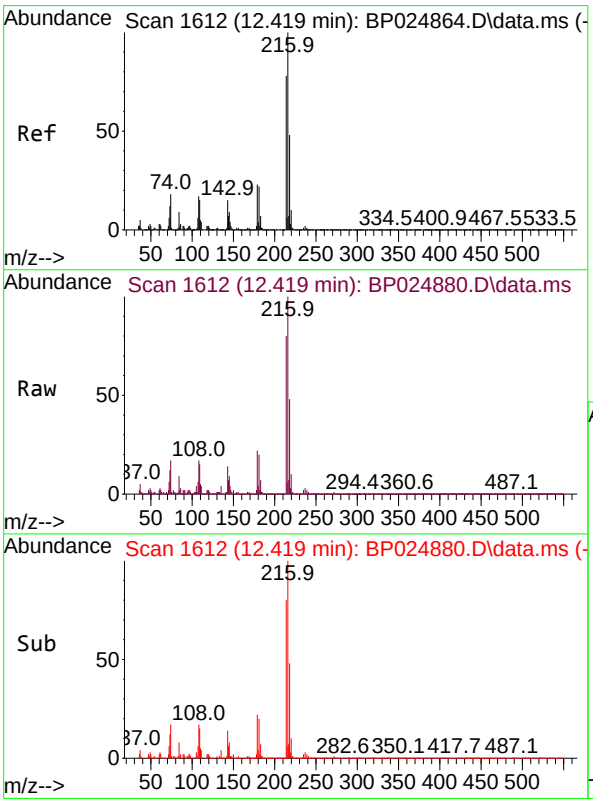
Tgt Ion:164 Resp: 84105

Ion	Ratio	Lower	Upper
164	100		
162	99.9	81.6	122.4
160	46.7	36.2	54.2

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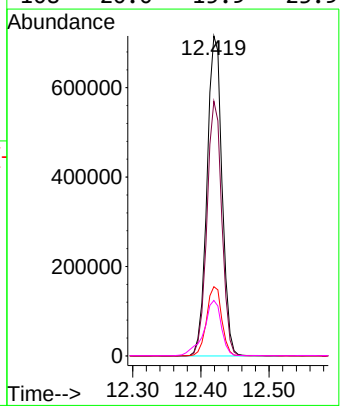


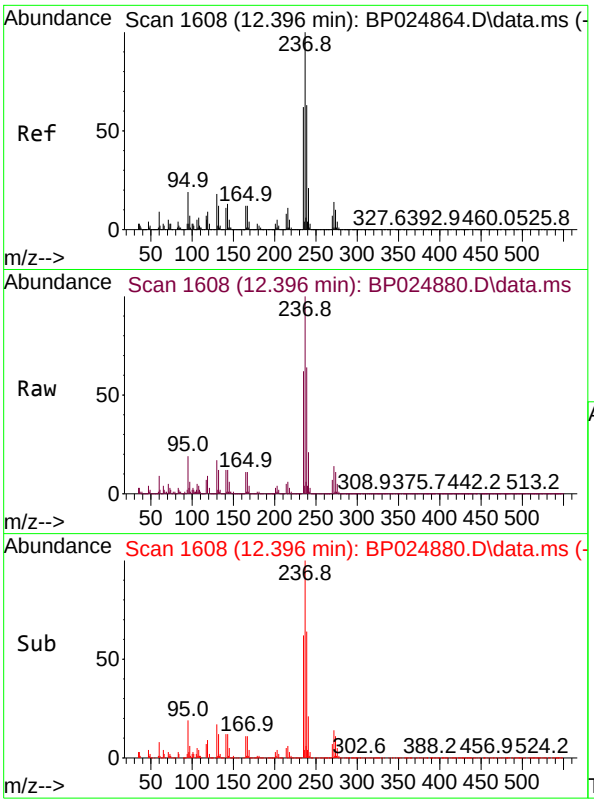


#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.831 ng
RT: 12.419 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:216 Resp: 1093780

Ion	Ratio	Lower	Upper
216	100		
214	78.8	63.0	94.4
179	21.9	17.8	26.6
108	20.0	15.9	23.9





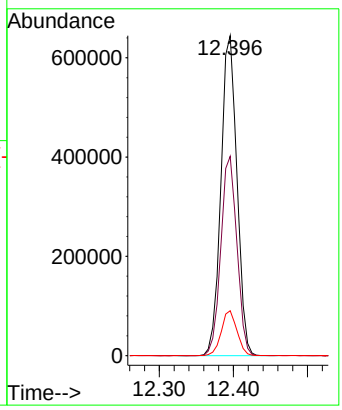
#41
Hexachlorocyclopentadiene
Concen: 66.457 ng
RT: 12.396 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

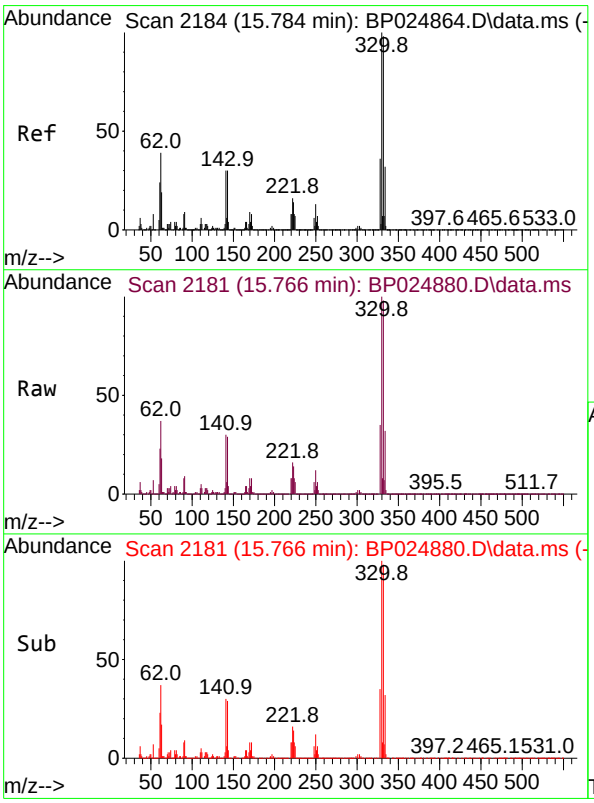
Tgt Ion:237 Resp: 96736

Ion	Ratio	Lower	Upper
237	100		
235	62.3	41.9	81.9
272	14.0	0.0	33.7

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

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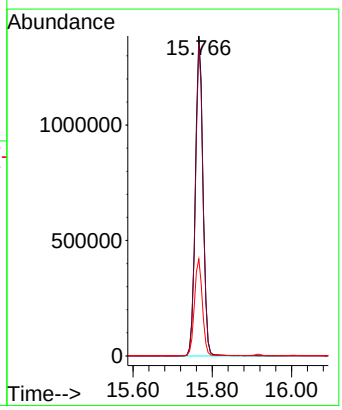


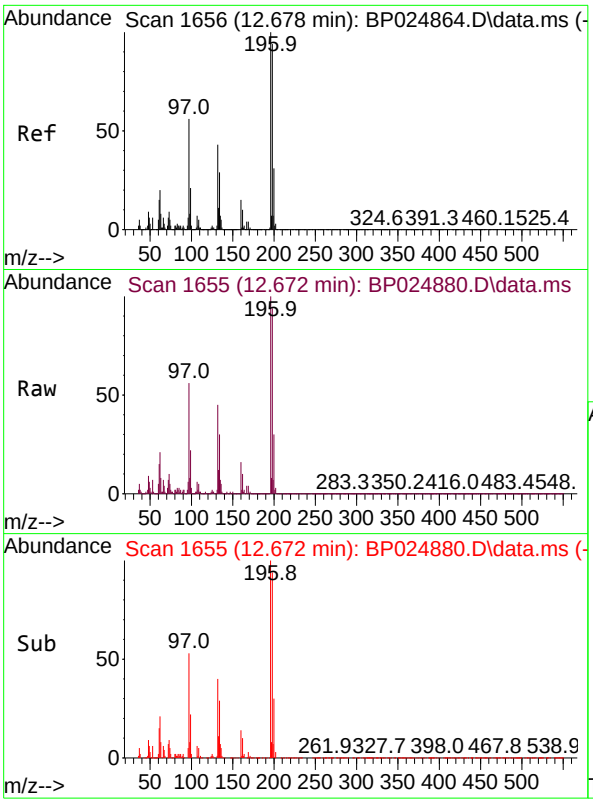


#42
2,4,6-Tribromophenol
Concen: 158.655 ng
RT: 15.766 min Scan# 2181
Delta R.T. -0.018 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:330 Resp: 1844847

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.7	116.5
141	31.4	26.4	39.6

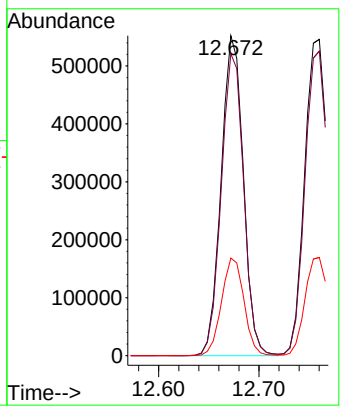




#43
2,4,6-Trichlorophenol
Concen: 53.157 ng
RT: 12.672 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

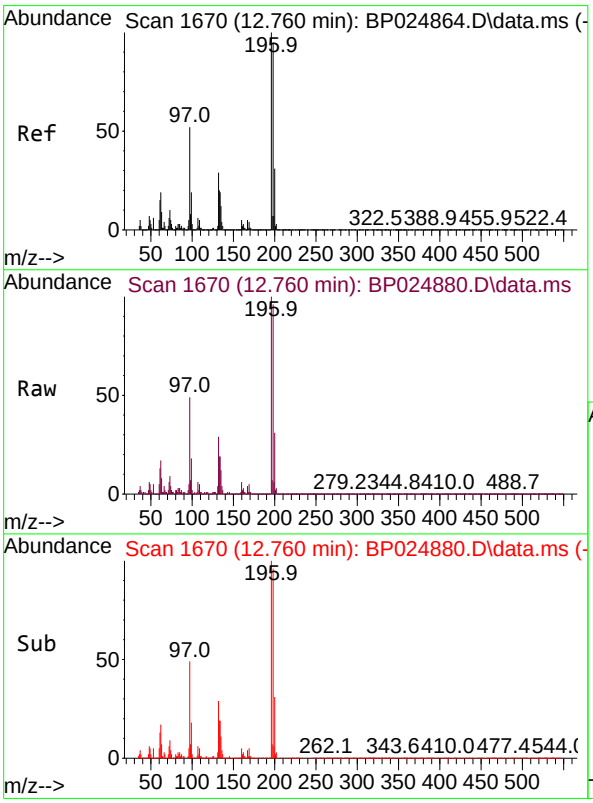
Tgt Ion:196 Resp: 85195

Ion	Ratio	Lower	Upper
196	100		
198	94.3	75.4	113.0
200	30.5	24.4	36.6



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

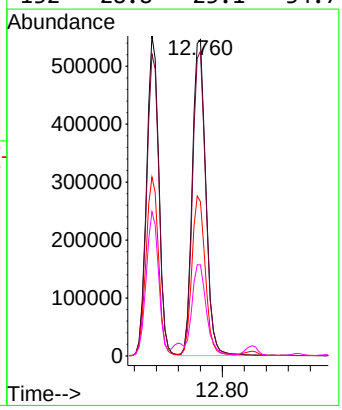
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Supervised By :Jagrut Upadhyay 06/10/2025

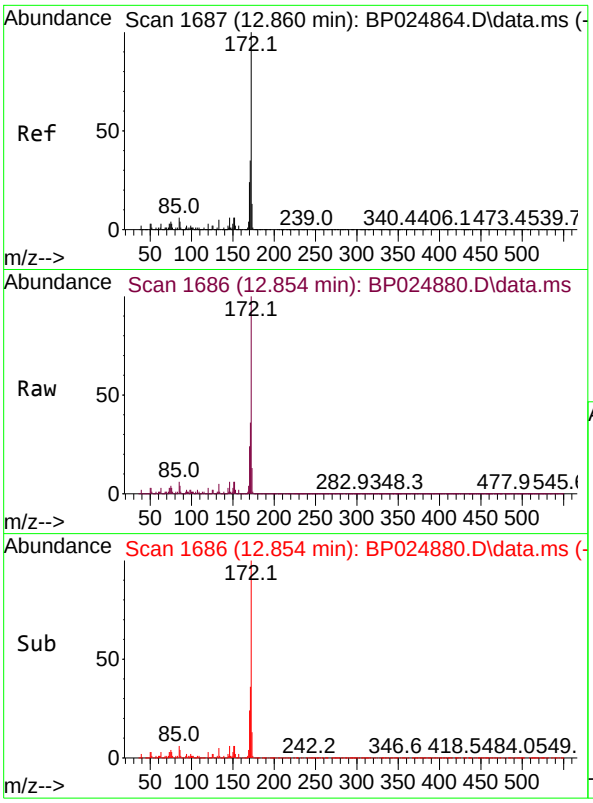


#44
2,4,5-Trichlorophenol
Concen: 54.280 ng
RT: 12.760 min Scan# 1670
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:196 Resp: 931664

Ion	Ratio	Lower	Upper
196	100		
198	96.3	76.0	114.0
97	48.7	41.5	62.3
132	28.8	23.1	34.7

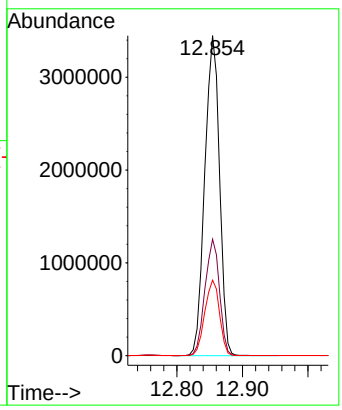




#45
2-Fluorobiphenyl
Concen: 85.864 ng
RT: 12.854 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:172 Resp: 536080

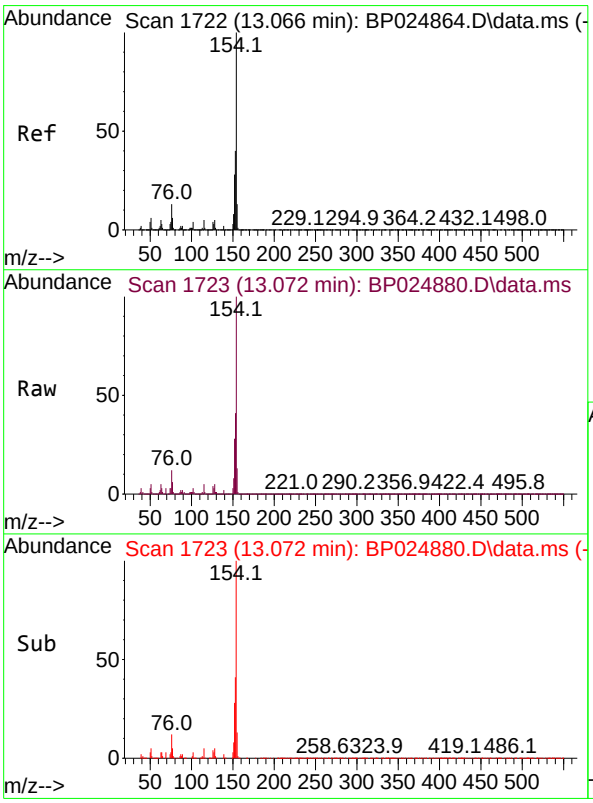
Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.3	42.5
170	23.6	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

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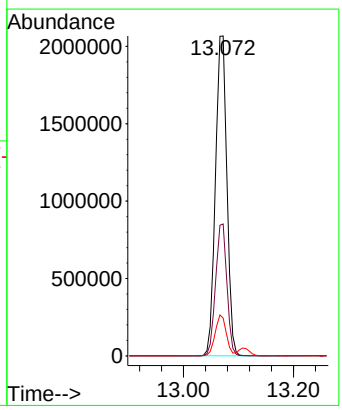
Reviewed By :Rahul Chavli 06/10/2025
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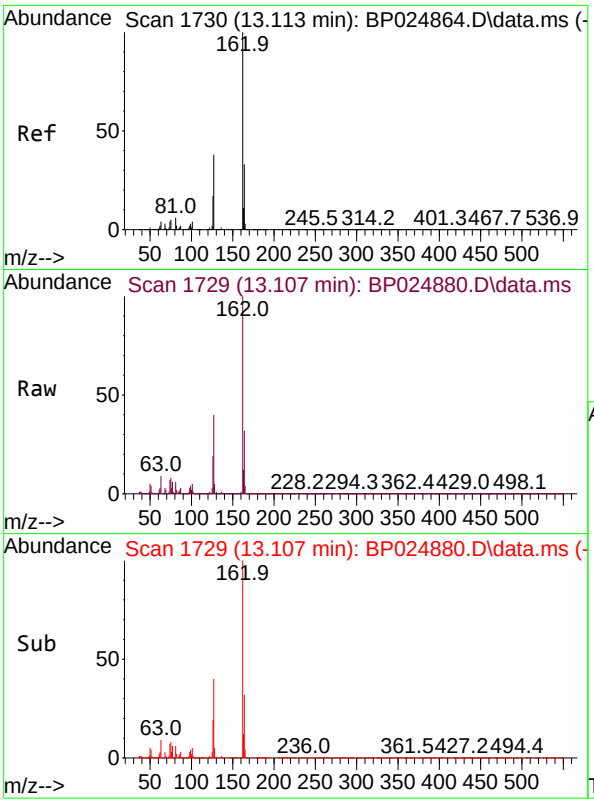


#46
1,1'-Biphenyl
Concen: 48.840 ng
RT: 13.072 min Scan# 1723
Delta R.T. 0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:154 Resp: 2985178

Ion	Ratio	Lower	Upper
154	100		
153	41.2	20.3	60.3
76	11.8	0.0	33.0

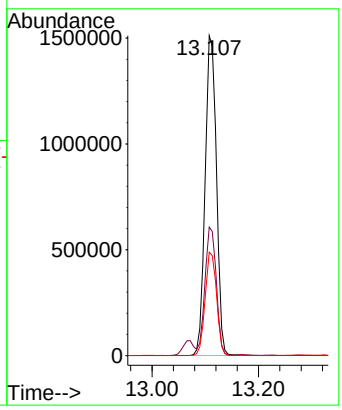




#47
2-Chloronaphthalene
Concen: 47.423 ng
RT: 13.107 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:162 Resp: 222775

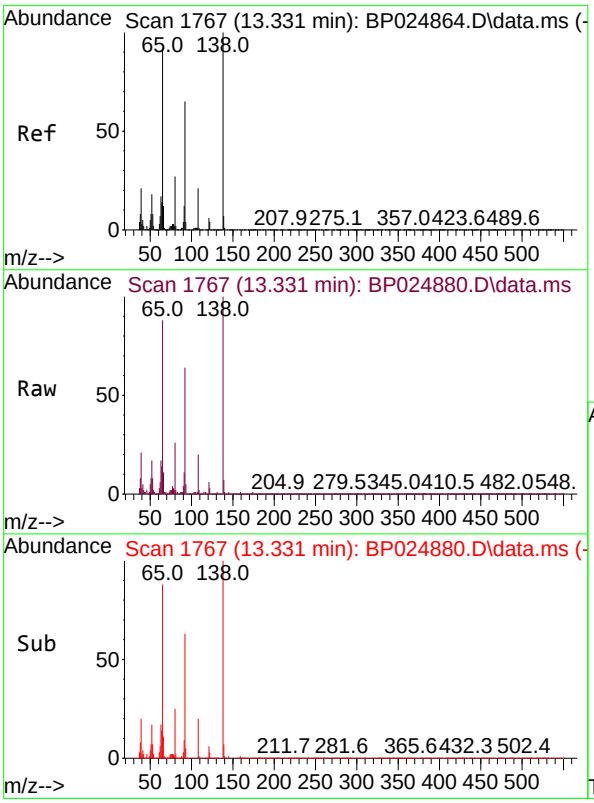
Ion	Ratio	Lower	Upper
162	100		
127	40.2	32.5	48.7
164	32.3	26.2	39.2



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

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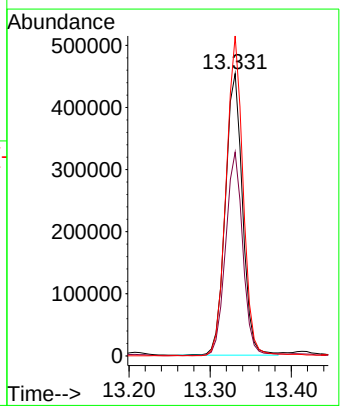
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

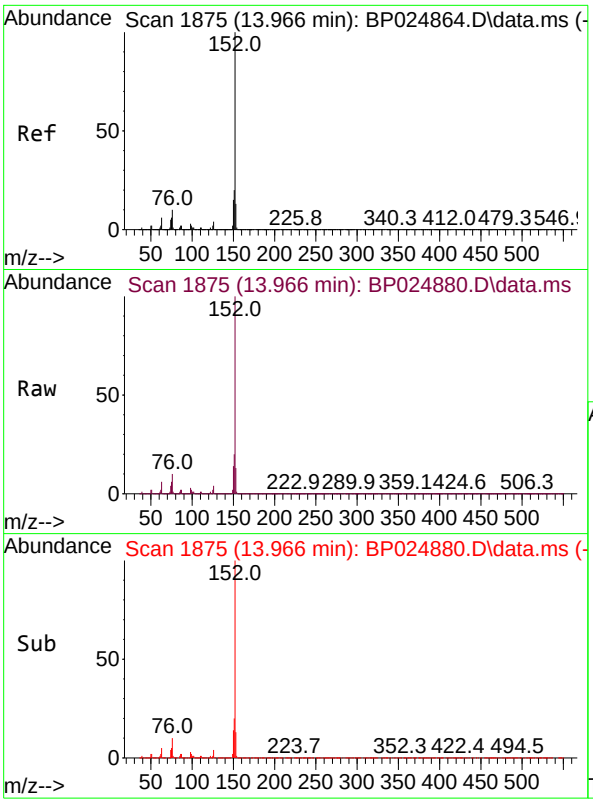


#48
2-Nitroaniline
Concen: 46.407 ng
RT: 13.331 min Scan# 1767
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion: 65 Resp: 670214

Ion	Ratio	Lower	Upper
65	100		
92	72.2	56.8	85.2
138	113.4	86.9	130.3

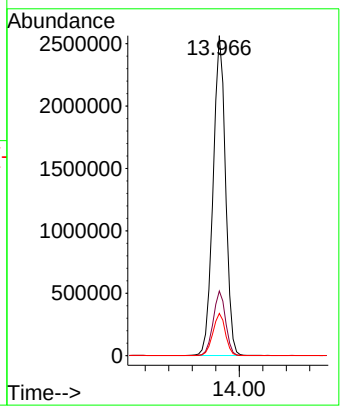




#49
Acenaphthylene
Concen: 48.008 ng
RT: 13.966 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:152 Resp: 376037

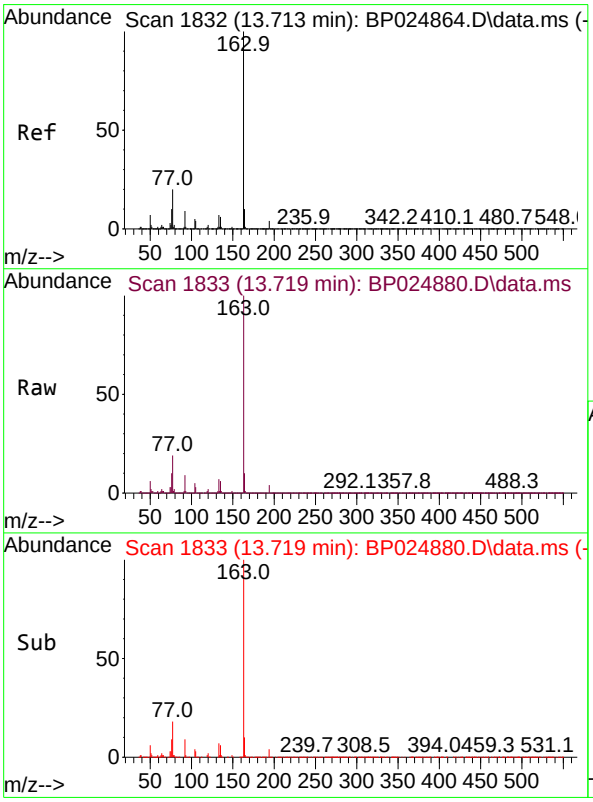
Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	13.2	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

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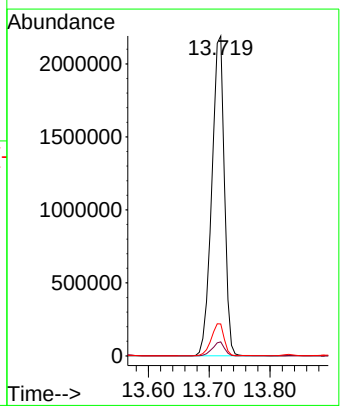
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

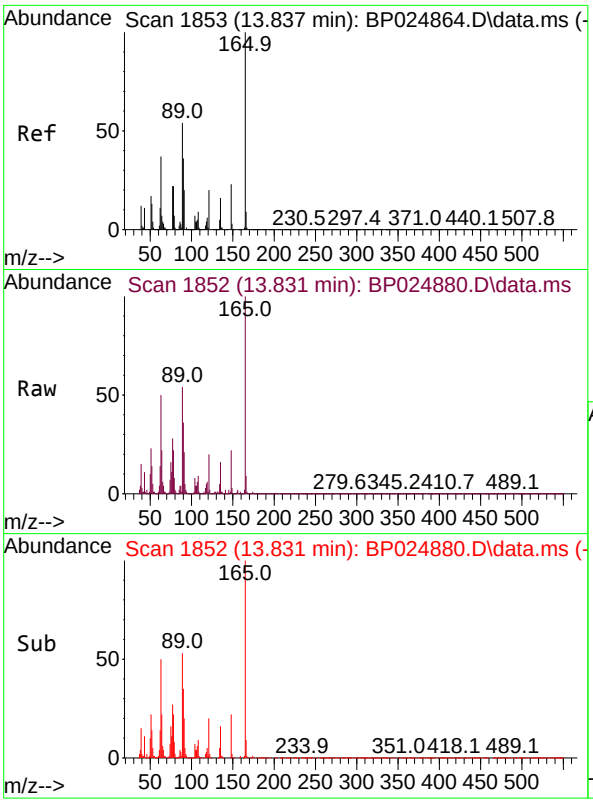


#50
Dimethylphthalate
Concen: 50.649 ng
RT: 13.719 min Scan# 1833
Delta R.T. 0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:163 Resp: 3142438

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.0
164	10.0	8.0	12.0





#51
2,6-Dinitrotoluene
Concen: 52.372 ng
RT: 13.831 min Scan# 18
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

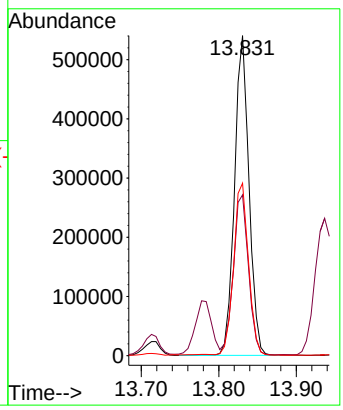
Tgt Ion:165 Resp: 70047

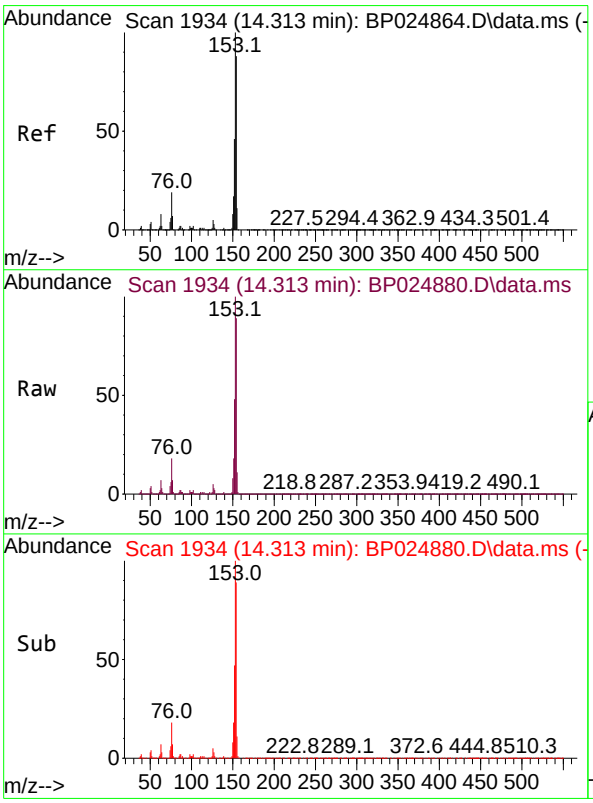
Ion	Ratio	Lower	Upper
165	100		
63	50.2	41.8	62.8
89	53.9	43.1	64.7

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

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Reviewed By :Rahul Chavli 06/10/2025
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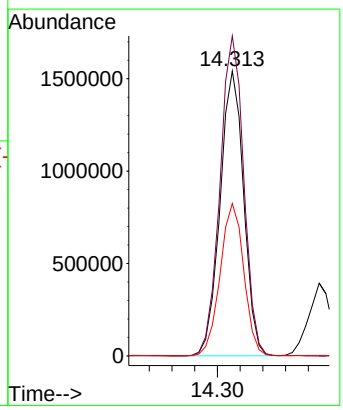


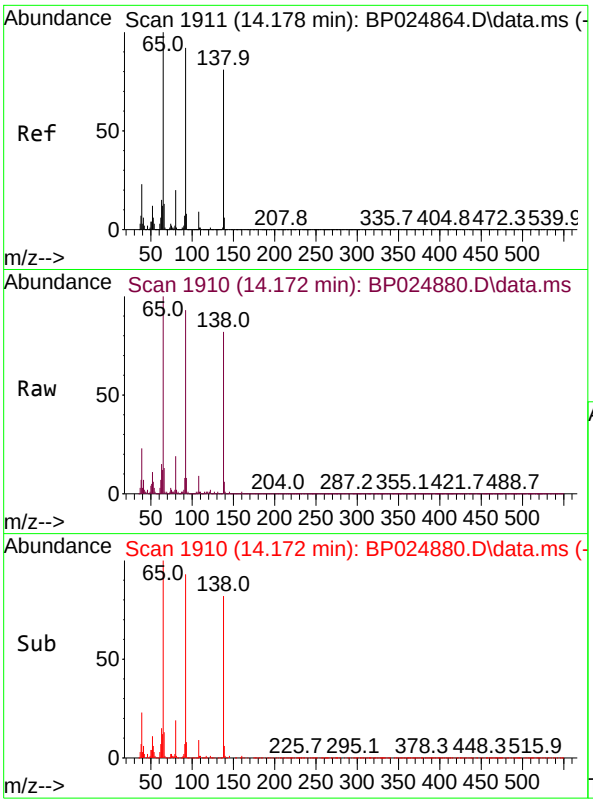


#52
Acenaphthene
Concen: 49.549 ng
RT: 14.313 min Scan# 1934
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:154 Resp: 2223943

Ion	Ratio	Lower	Upper
154	100		
153	112.3	90.5	135.7
152	53.5	42.1	63.1





#53
3-Nitroaniline
Concen: 30.534 ng
RT: 14.172 min Scan# 19
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

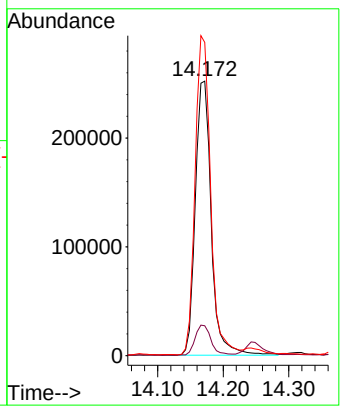
Tgt Ion:138 Resp: 42382

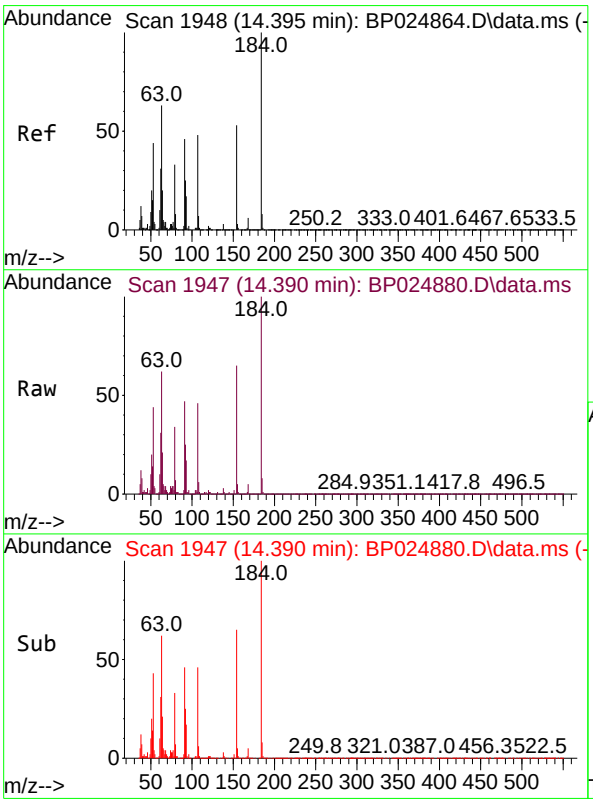
Ion	Ratio	Lower	Upper
138	100		
108	10.9	8.6	12.8
92	114.1	91.3	136.9

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

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Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

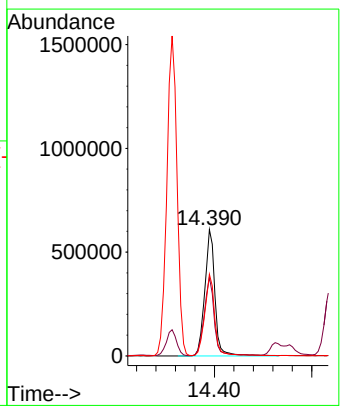


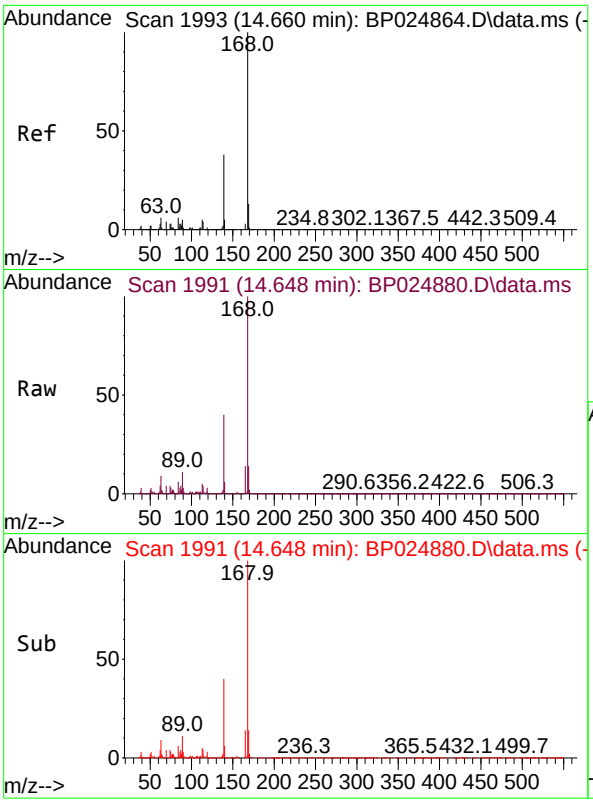


#54
2,4-Dinitrophenol
Concen: 99.689 ng
RT: 14.390 min Scan# 1947
Delta R.T. -0.005 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:184 Resp: 881046

Ion	Ratio	Lower	Upper
184	100		
63	62.1	51.0	76.4
154	64.7	51.7	77.5

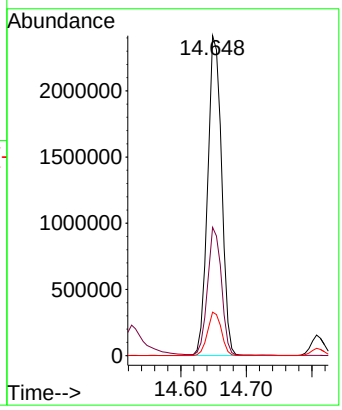




#55
Dibenzofuran
Concen: 49.440 ng
RT: 14.648 min Scan# 19
Delta R.T. -0.012 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:168 Resp: 356201

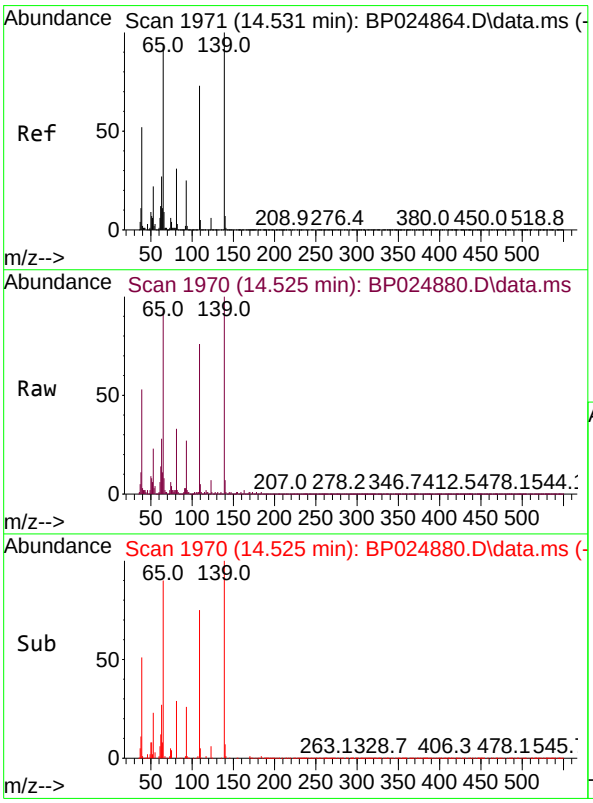
Ion	Ratio	Lower	Upper
168	100		
139	40.1	31.6	47.4
169	13.6	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

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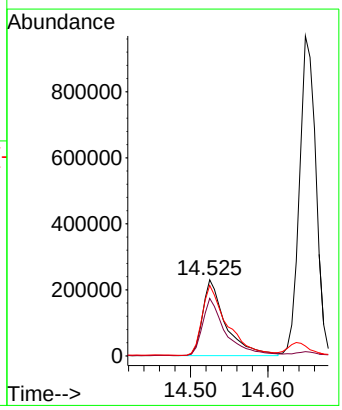
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

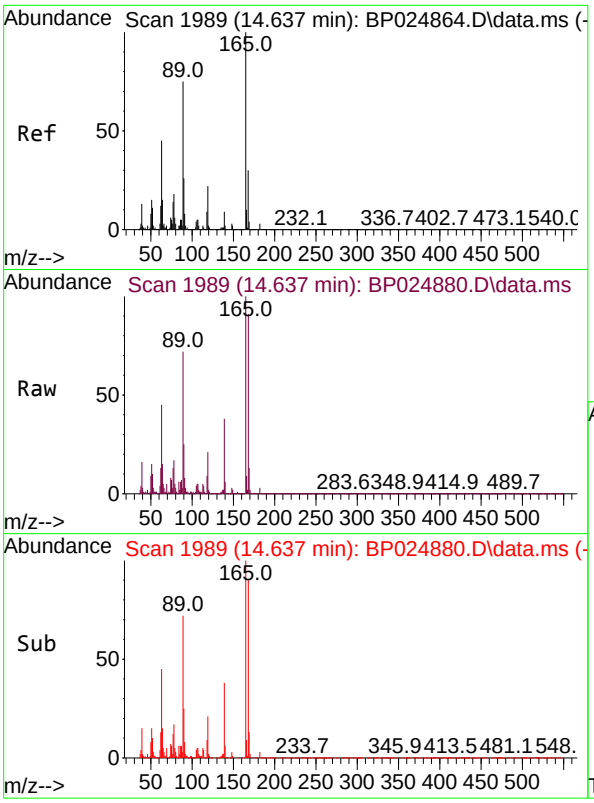


#56
4-Nitrophenol
Concen: 42.732 ng
RT: 14.525 min Scan# 1970
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:139 Resp: 470374

Ion	Ratio	Lower	Upper
139	100		
109	75.7	53.1	93.1
65	92.6	73.0	113.0

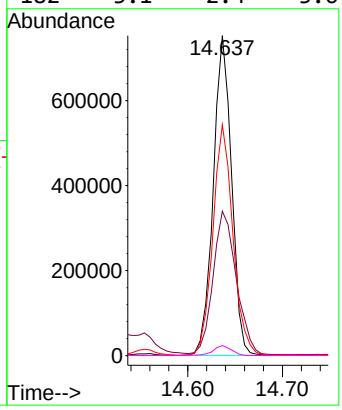




#57
2,4-Dinitrotoluene
Concen: 54.002 ng
RT: 14.637 min Scan# 19
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:165 Resp: 101035

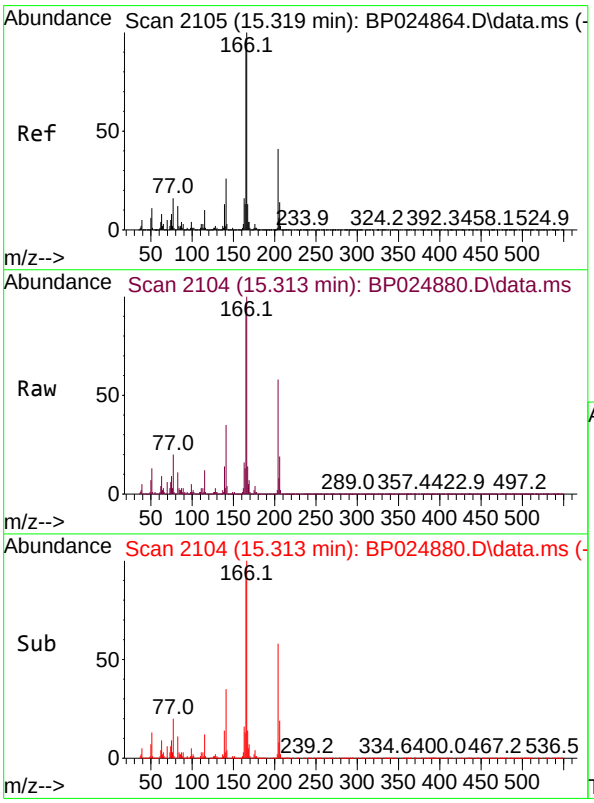
Ion	Ratio	Lower	Upper
165	100		
63	45.1	37.0	55.6
89	72.1	60.1	90.1
182	3.1	2.4	3.6



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

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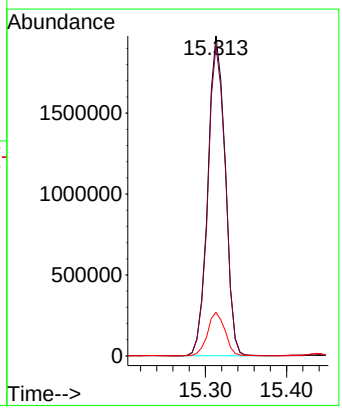
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

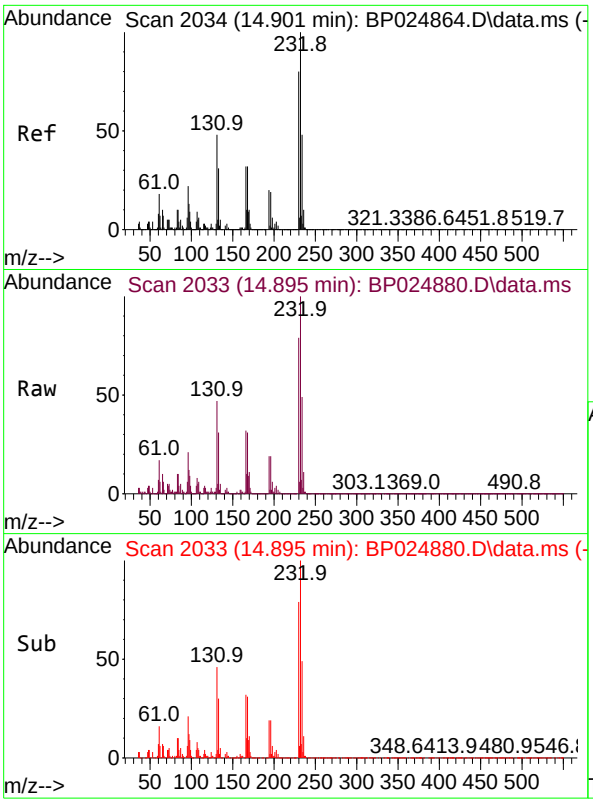


#58
Fluorene
Concen: 50.635 ng
RT: 15.313 min Scan# 2104
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:166 Resp: 2947017

Ion	Ratio	Lower	Upper
166	100		
165	96.9	77.7	116.5
167	13.6	10.6	16.0

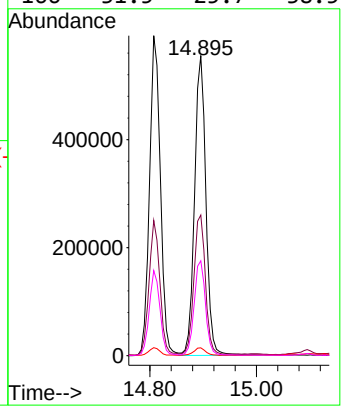




#59
2,3,4,6-Tetrachlorophenol
Concen: 53.716 ng
RT: 14.895 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:232 Resp: 82377

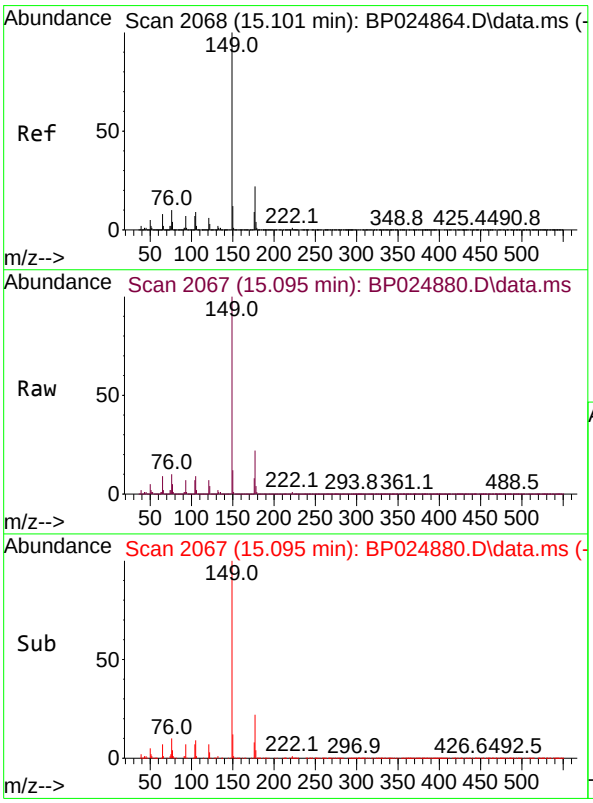
Ion	Ratio	Lower	Upper
232	100		
131	46.9	38.2	57.2
130	2.6	2.1	3.1
166	31.5	25.7	38.5



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

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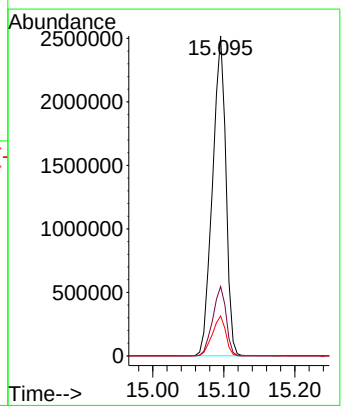
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

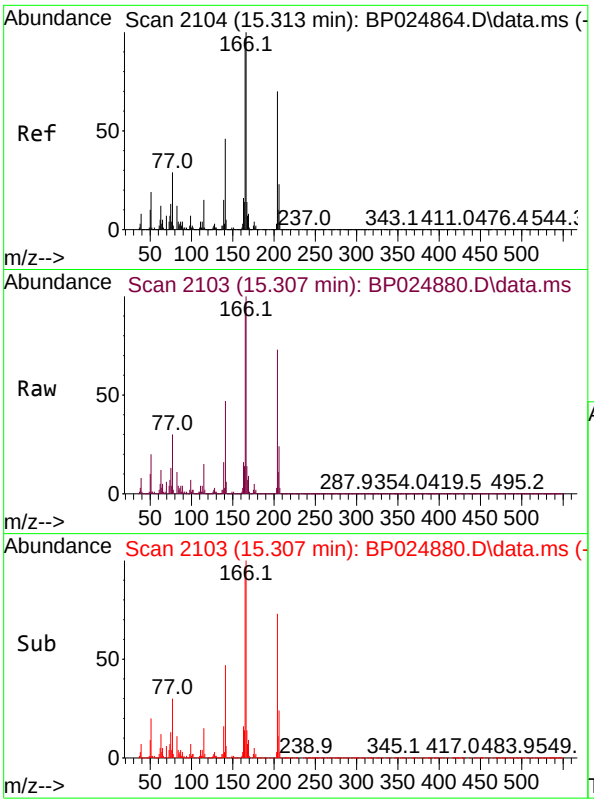


#60
Diethylphthalate
Concen: 53.307 ng
RT: 15.095 min Scan# 2067
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:149 Resp: 3296154

Ion	Ratio	Lower	Upper
149	100		
177	21.7	17.9	26.9
150	12.5	9.8	14.6

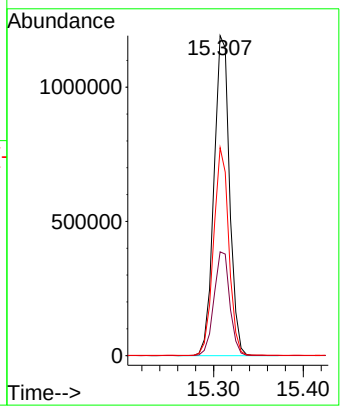




#61
4-Chlorophenyl-phenylether
Concen: 50.830 ng
RT: 15.307 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:204 Resp: 144649

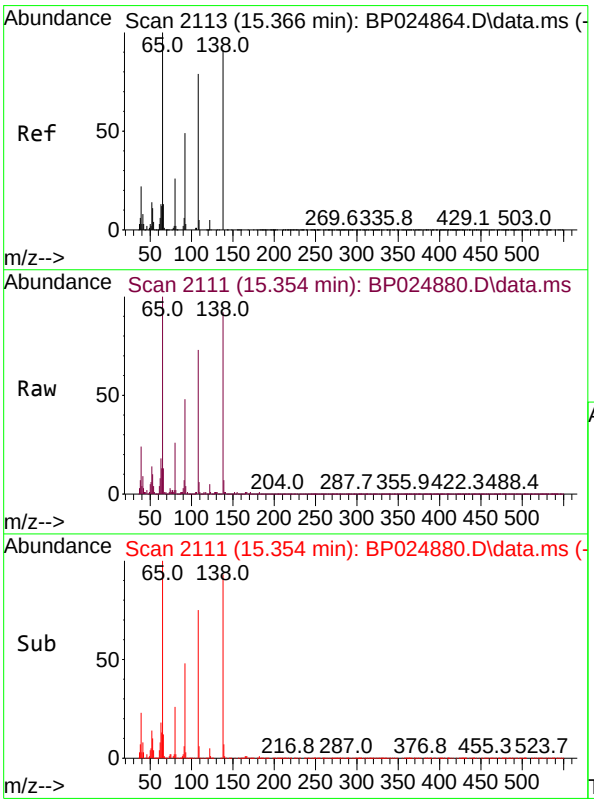
Ion	Ratio	Lower	Upper
204	100		
206	32.4	26.6	40.0
141	65.0	52.4	78.6



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

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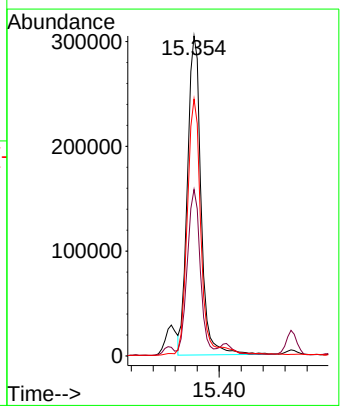
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

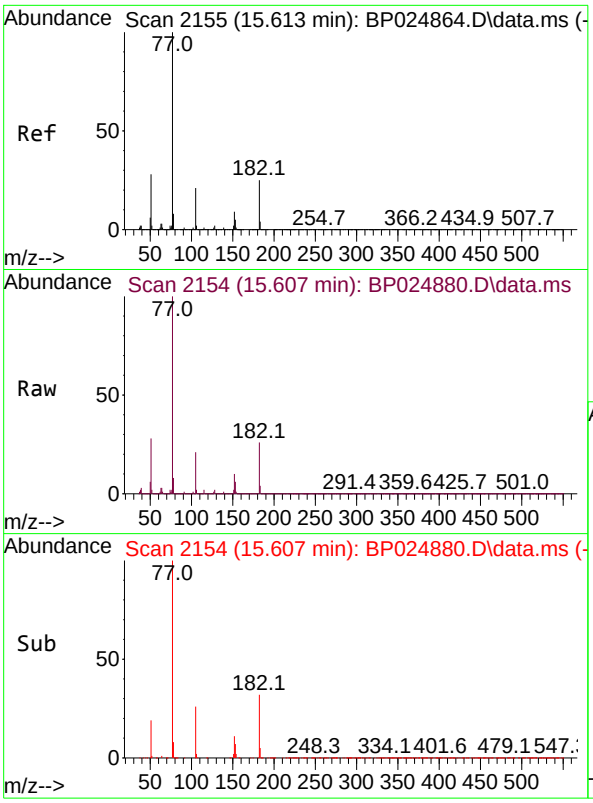


#62
4-Nitroaniline
Concen: 41.603 ng
RT: 15.354 min Scan# 2111
Delta R.T. -0.012 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:138 Resp: 523586

Ion	Ratio	Lower	Upper
138	100		
92	52.0	33.5	73.5
108	80.3	65.1	105.1

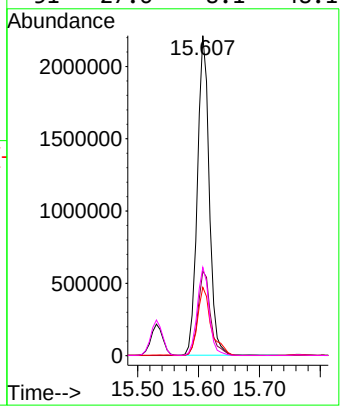




#63
Azobenzene
Concen: 52.624 ng
RT: 15.607 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion: 77 Resp: 298427

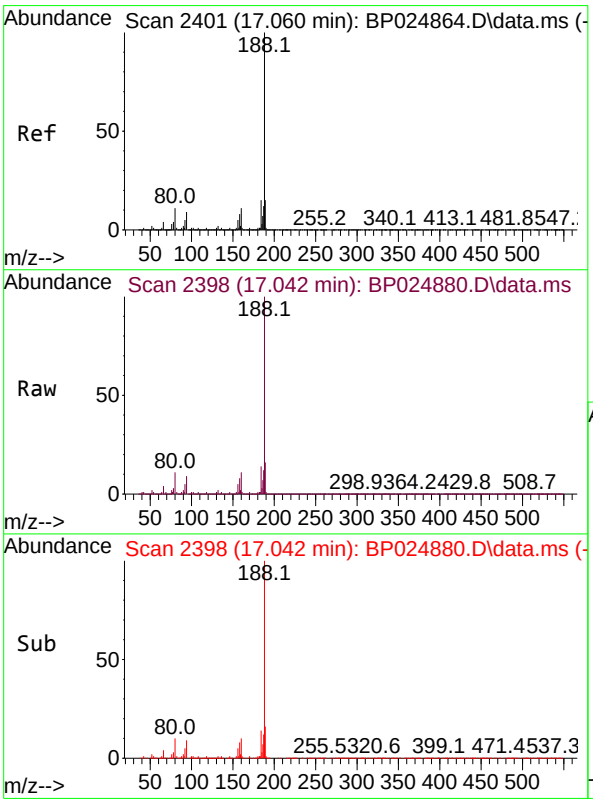
Ion	Ratio	Lower	Upper
77	100		
182	26.4	5.4	45.4
105	21.3	0.8	40.8
51	27.6	8.1	48.1



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

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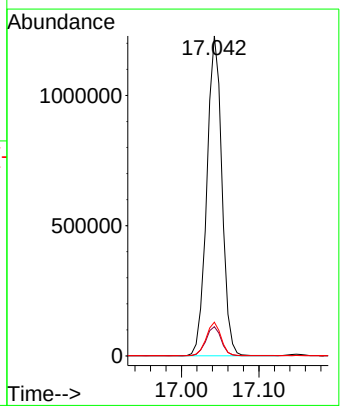
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

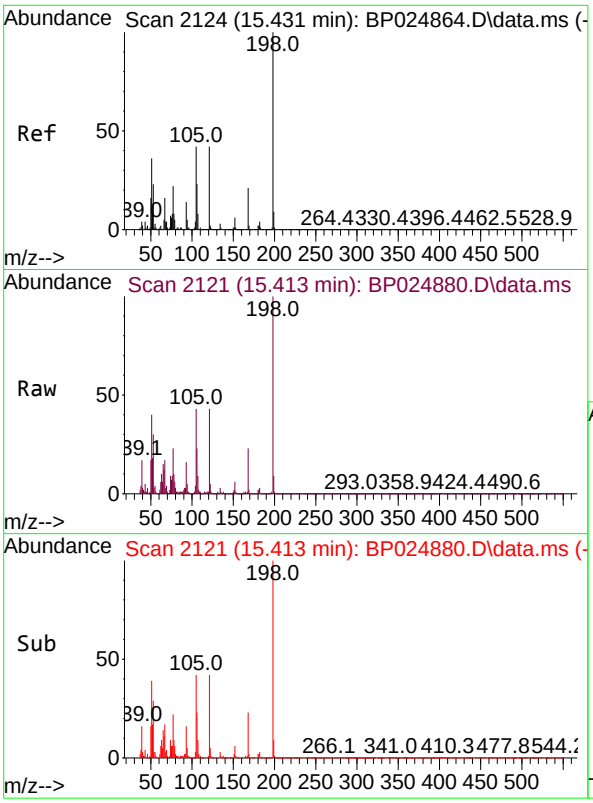


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.042 min Scan# 2398
Delta R.T. -0.018 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:188 Resp: 1657665

Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.3	10.9
80	10.5	8.5	12.7

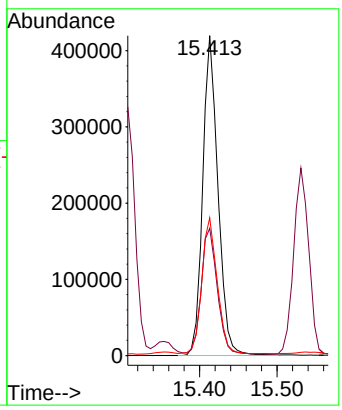




#65
4,6-Dinitro-2-methylphenol
Concen: 52.658 ng
RT: 15.413 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:198 Resp: 57356

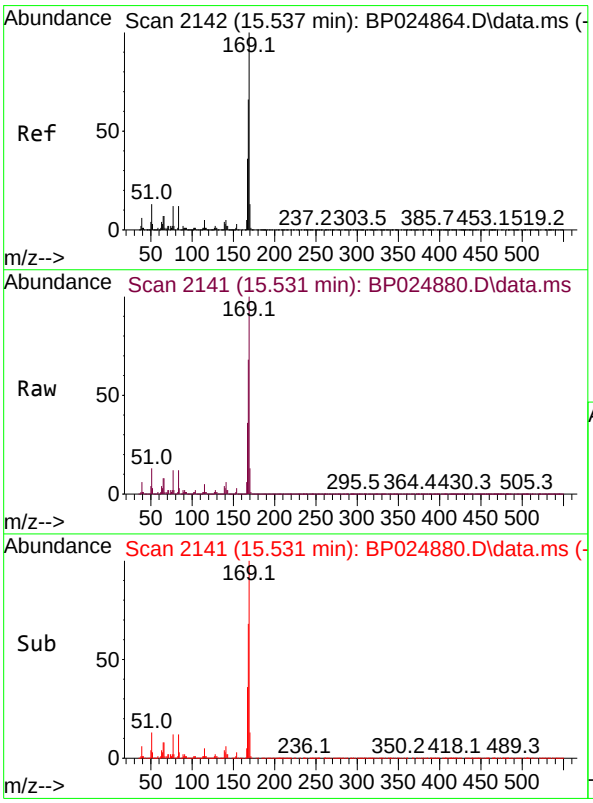
Ion	Ratio	Lower	Upper
198	100		
51	39.8	19.2	59.2
105	43.1	22.6	62.6



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
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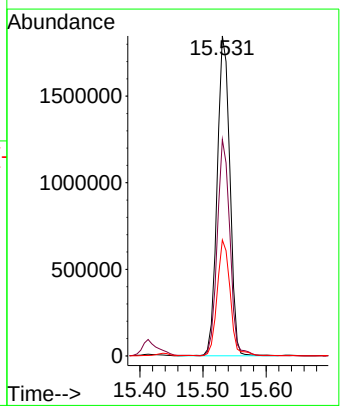
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

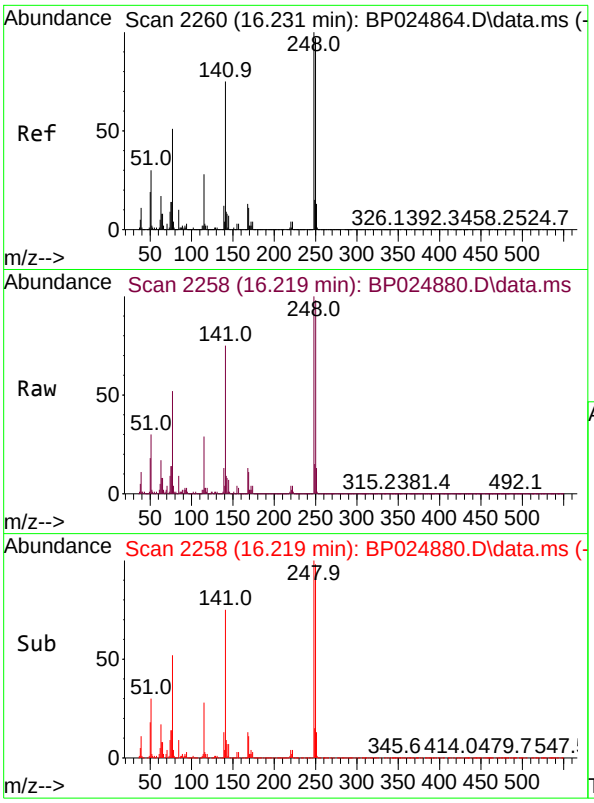


#66
n-Nitrosodiphenylamine
Concen: 50.028 ng
RT: 15.531 min Scan# 2141
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:169 Resp: 2570412

Ion	Ratio	Lower	Upper
169	100		
168	67.6	53.0	79.6
167	36.2	28.6	43.0

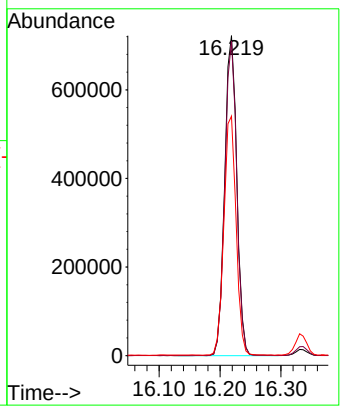




#67
4-Bromophenyl-phenylether
Concen: 53.352 ng
RT: 16.219 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

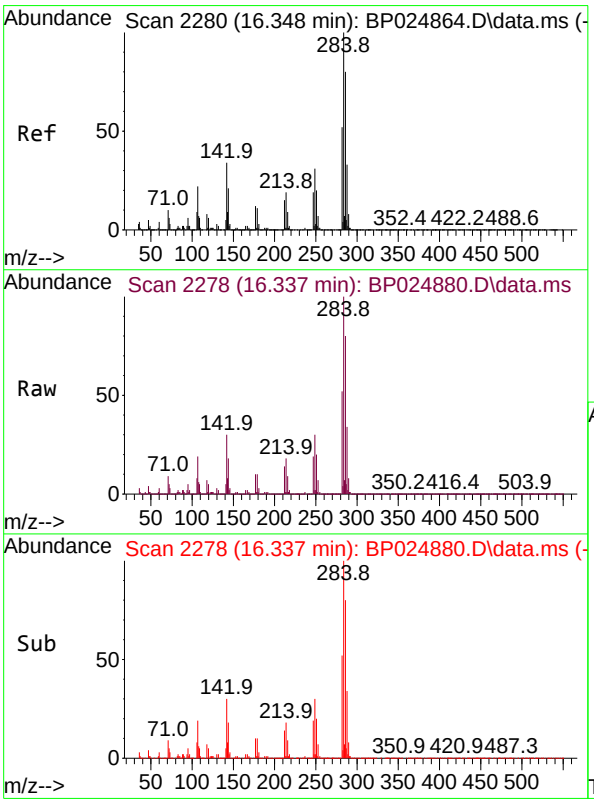
Tgt Ion:248 Resp: 99788

Ion	Ratio	Lower	Upper
248	100		
250	98.3	77.4	116.2
141	74.8	59.9	89.9



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

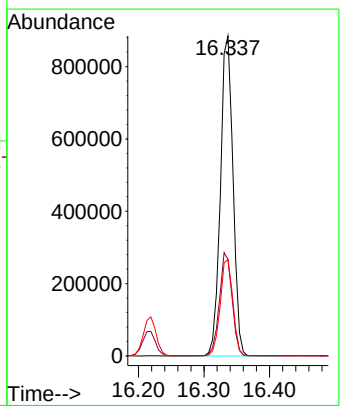
Manual Integrations
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Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

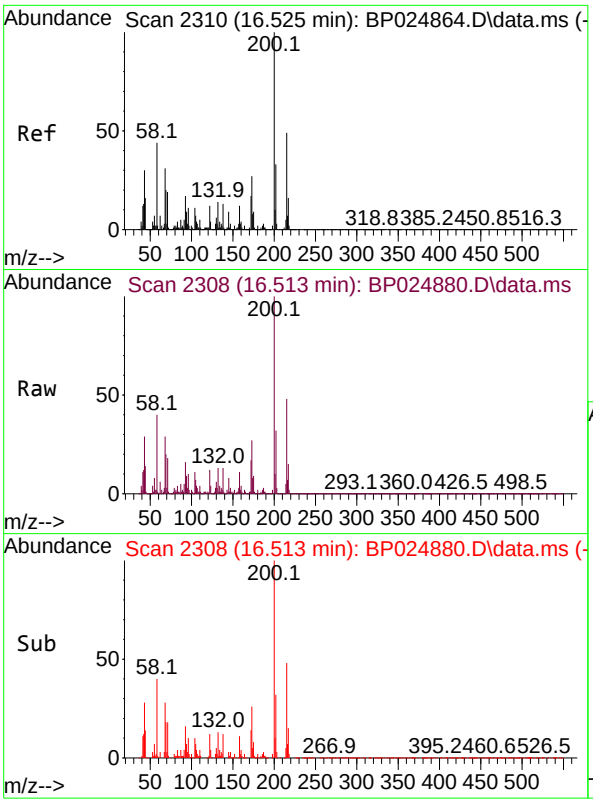


#68
Hexachlorobenzene
Concen: 52.127 ng
RT: 16.337 min Scan# 2278
Delta R.T. -0.012 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:284 Resp: 1181954

Ion	Ratio	Lower	Upper
284	100		
142	30.1	27.0	40.6
249	30.1	25.0	37.6

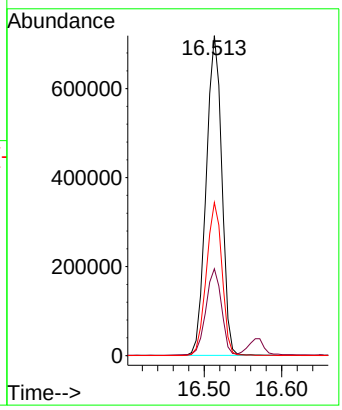




#69
Atrazine
Concen: 53.958 ng
RT: 16.513 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:200 Resp: 100502

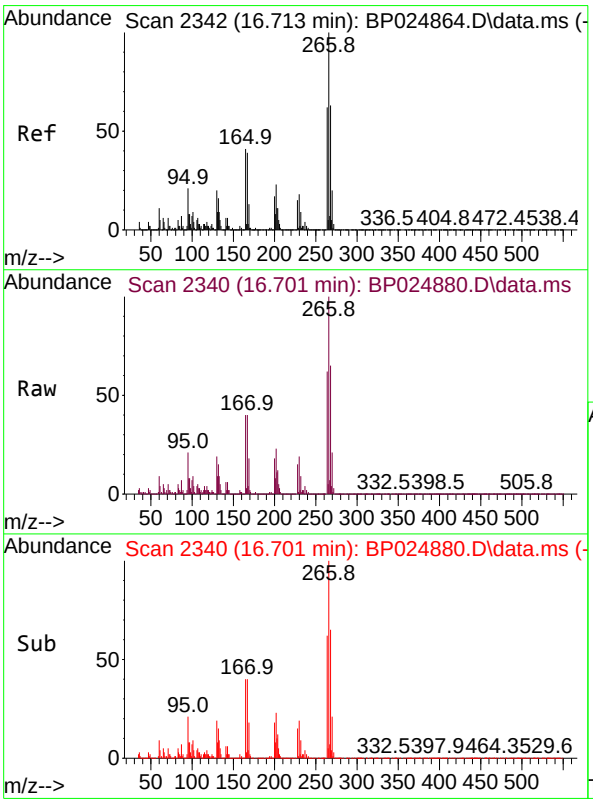
Ion	Ratio	Lower	Upper
200	100		
173	27.1	6.9	46.9
215	47.8	28.7	68.7



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
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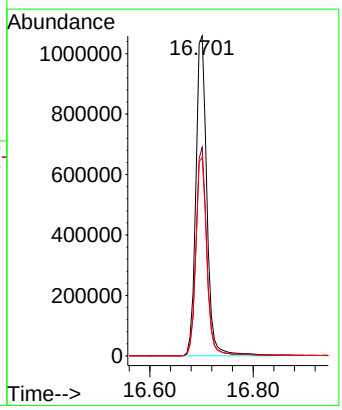
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

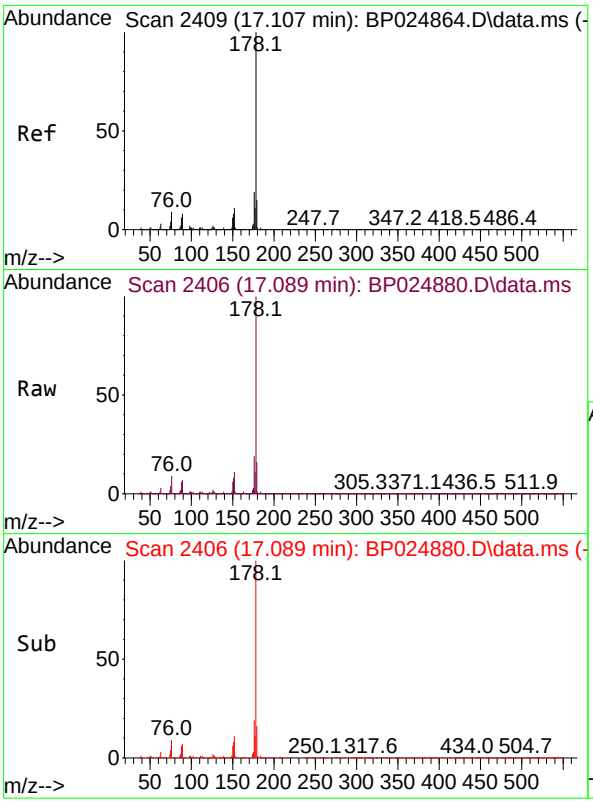


#70
Pentachlorophenol
Concen: 133.632 ng
RT: 16.701 min Scan# 2340
Delta R.T. -0.012 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:266 Resp: 1568201

Ion	Ratio	Lower	Upper
266	100		
268	65.2	50.6	76.0
264	62.0	49.7	74.5

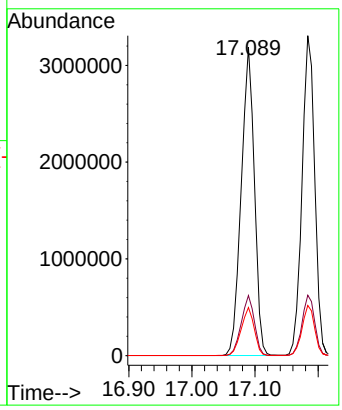




#71
Phenanthrene
Concen: 50.372 ng
RT: 17.089 min Scan# 24
Delta R.T. -0.018 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:178 Resp: 461429

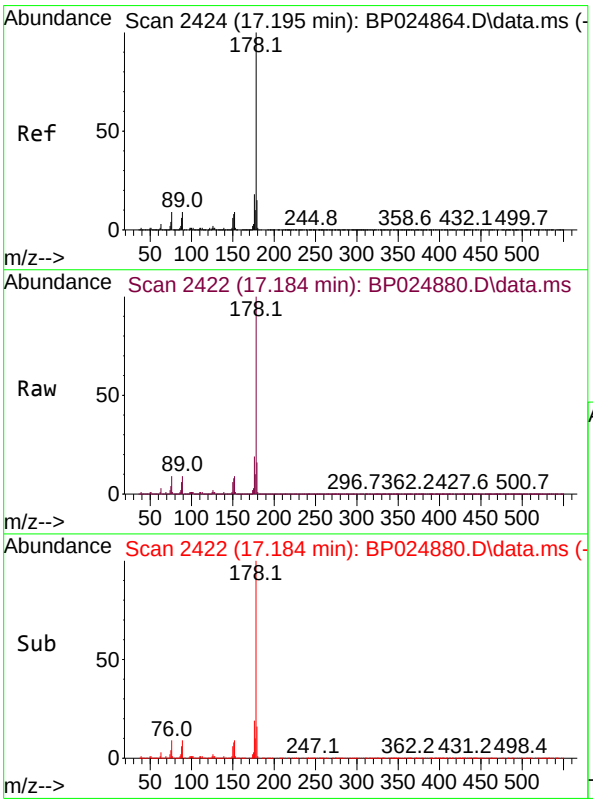
Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.3	22.9
179	15.6	12.1	18.1



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
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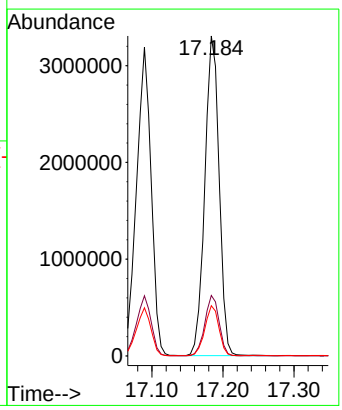
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

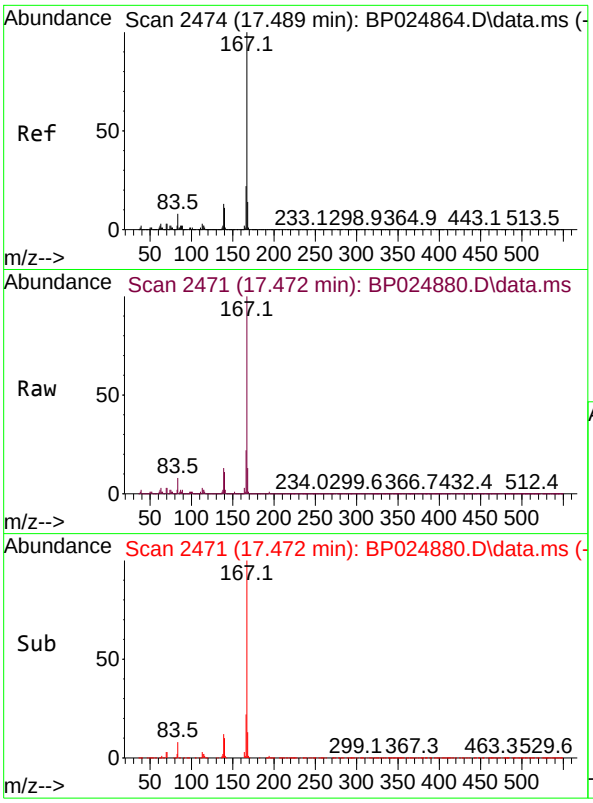


#72
Anthracene
Concen: 49.786 ng
RT: 17.184 min Scan# 2422
Delta R.T. -0.012 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:178 Resp: 4618867

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.7	22.1
179	15.7	12.3	18.5

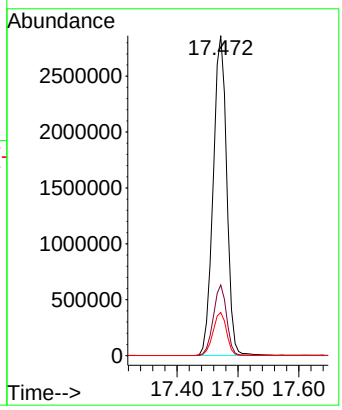




#73
Carbazole
Concen: 51.477 ng
RT: 17.472 min Scan# 24
Delta R.T. -0.018 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

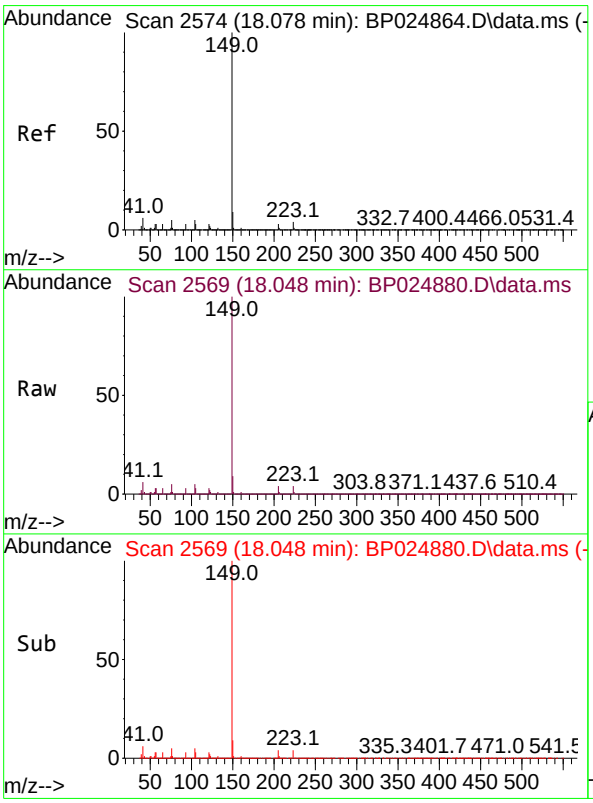
Tgt Ion:167 Resp: 442669

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.3	25.9
139	13.5	10.8	16.2



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

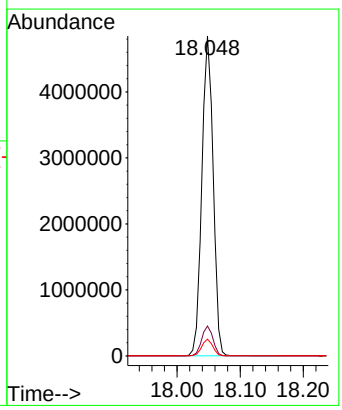
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

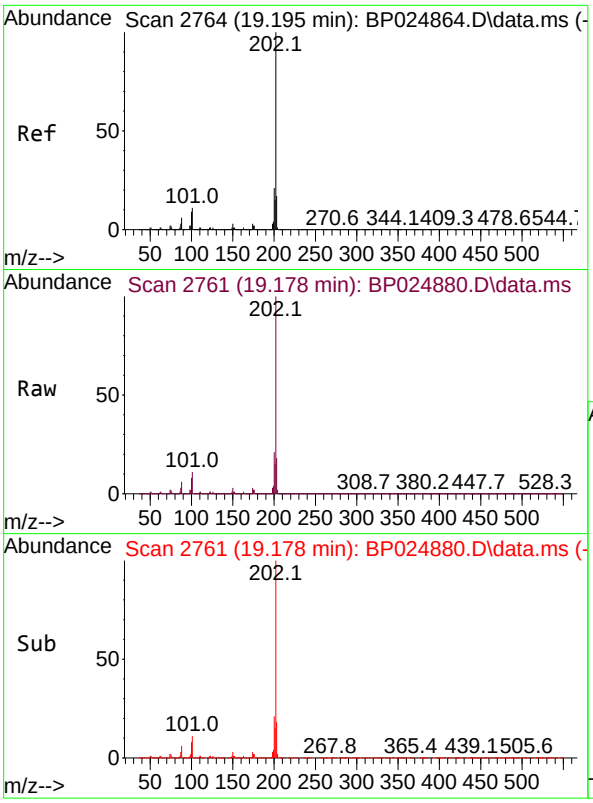


#74
Di-n-butylphthalate
Concen: 56.341 ng
RT: 18.048 min Scan# 2569
Delta R.T. -0.029 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:149 Resp: 6002825

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.2	4.2	6.2





#75
Fluoranthene
Concen: 51.645 ng
RT: 19.178 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

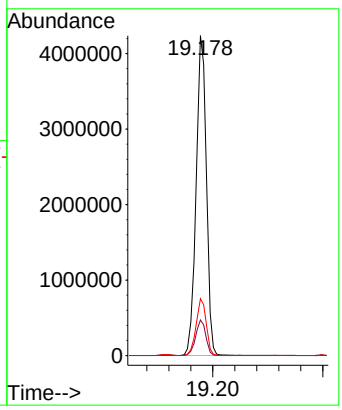
Tgt Ion:202 Resp: 548333

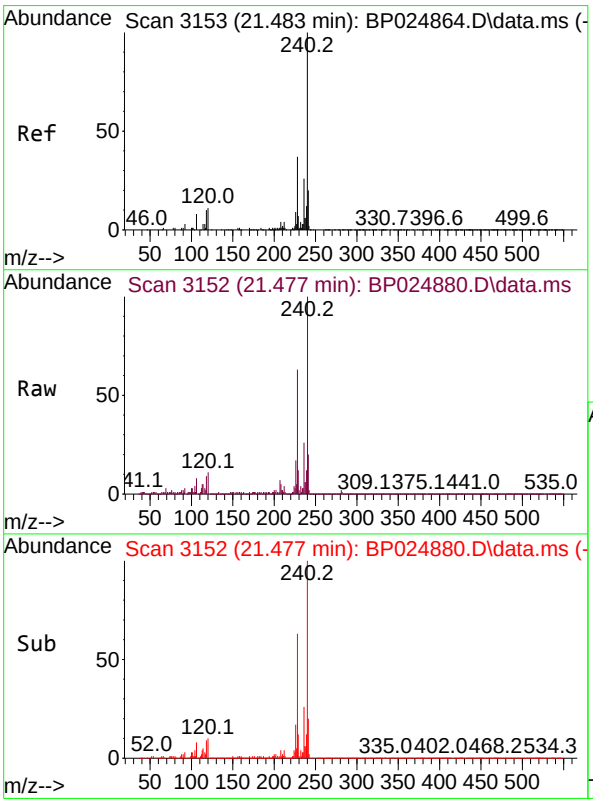
Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.4
203	17.8	0.0	37.5

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

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Reviewed By :Rahul Chavli 06/10/2025
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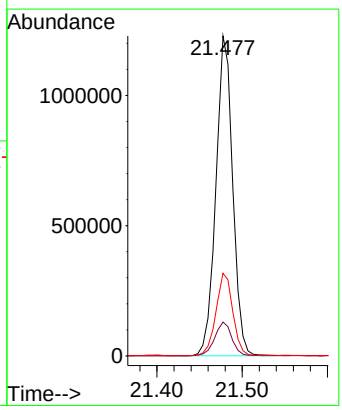


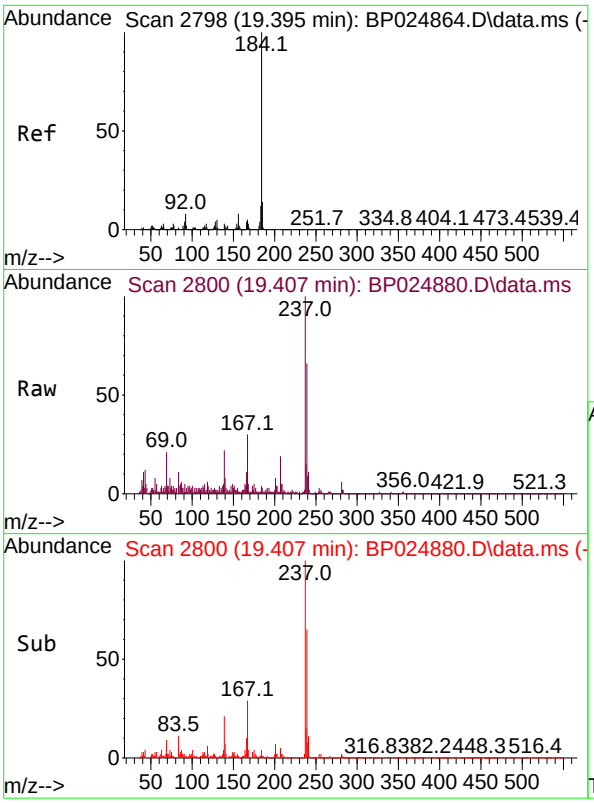


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.477 min Scan# 3152
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:240 Resp: 1681535

Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.9	13.3
236	25.8	20.9	31.3

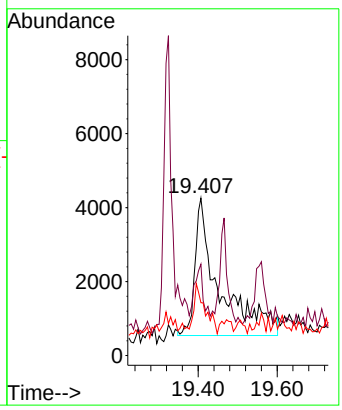




#77
Benzidine
Concen: 0.304 ng m
RT: 19.407 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

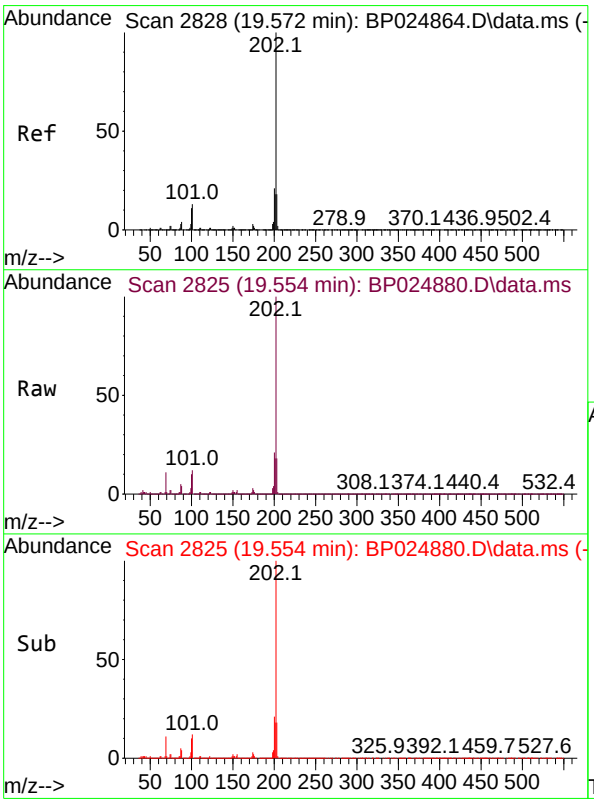
Tgt Ion:184 Resp: 1585

Ion	Ratio	Lower	Upper
184	100		
185	58.0	11.4	17.0#
183	33.6	9.5	14.3#



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

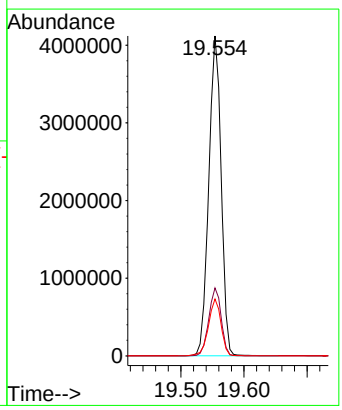
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Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

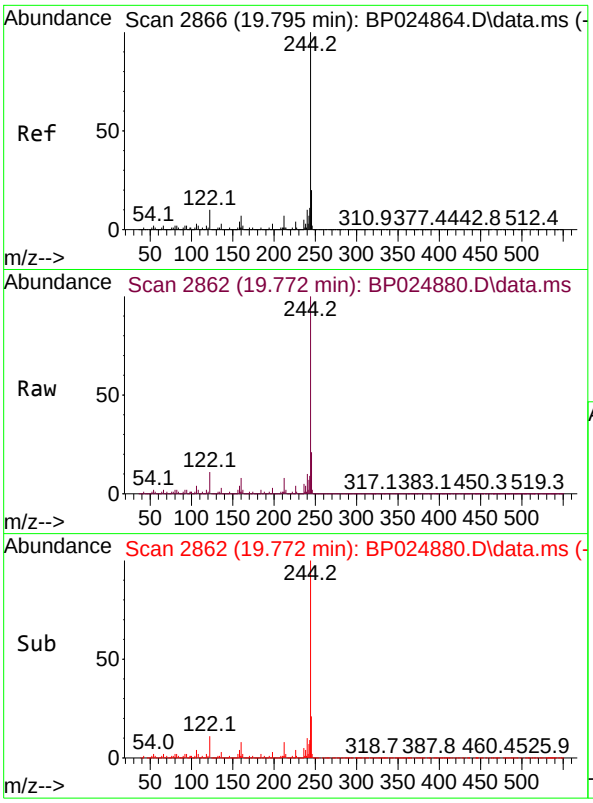


#78
Pyrene
Concen: 53.412 ng
RT: 19.554 min Scan# 2825
Delta R.T. -0.018 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:202 Resp: 5611099

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.1	25.7
203	17.8	14.0	21.0

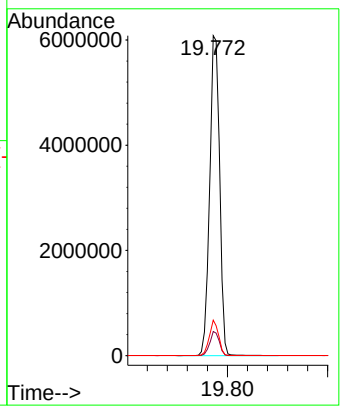




#79
Terphenyl-d14
Concen: 89.330 ng
RT: 19.772 min Scan# 28
Delta R.T. -0.024 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:244 Resp: 838120

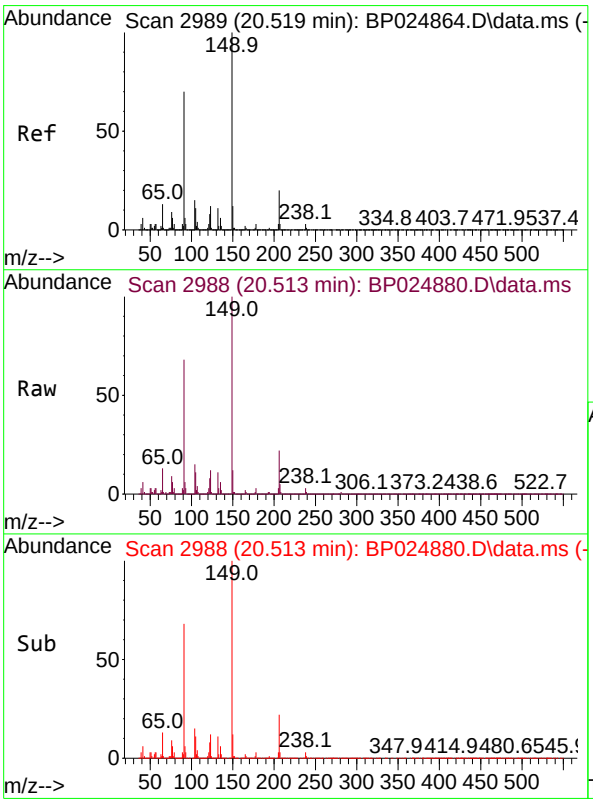
Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.6	8.4
122	11.1	7.7	11.5



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

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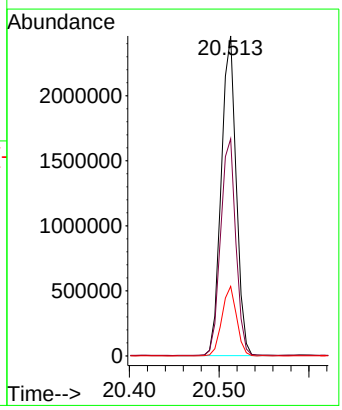
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

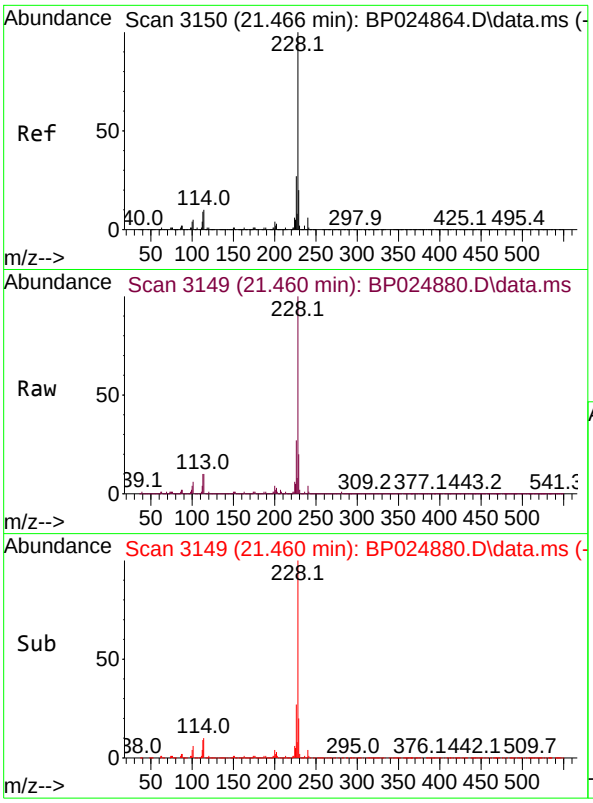


#80
Butylbenzylphthalate
Concen: 59.393 ng
RT: 20.513 min Scan# 2988
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:149 Resp: 2857974

Ion	Ratio	Lower	Upper
149	100		
91	67.8	55.8	83.8
206	21.8	16.2	24.2

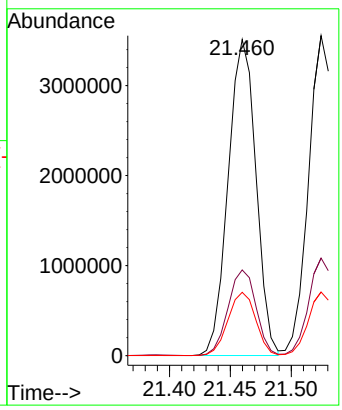




#81
Benzo(a)anthracene
Concen: 51.831 ng
RT: 21.460 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:228 Resp: 557424

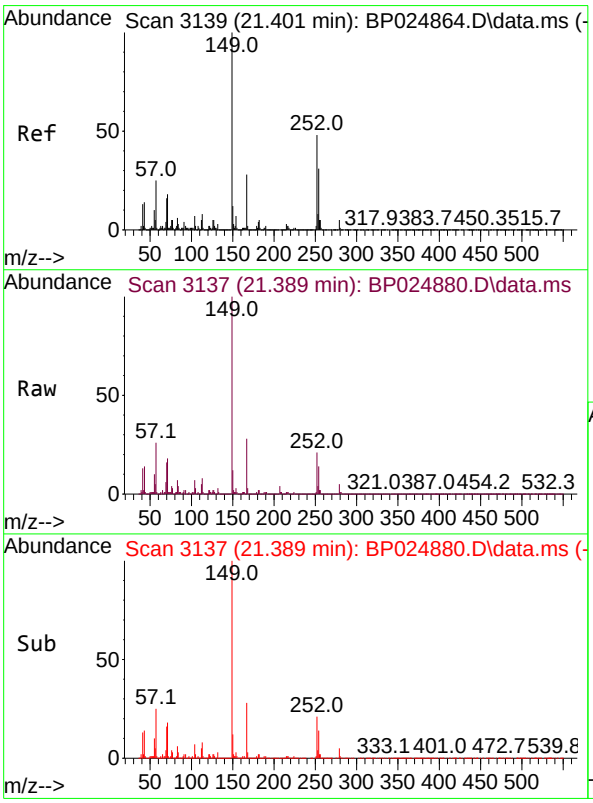
Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.1	33.1
229	20.0	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
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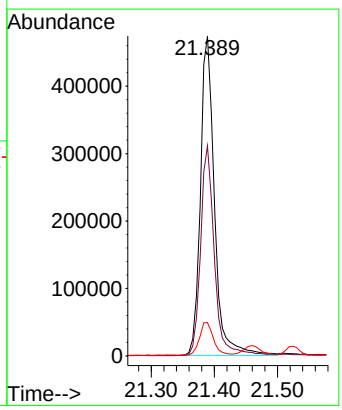
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

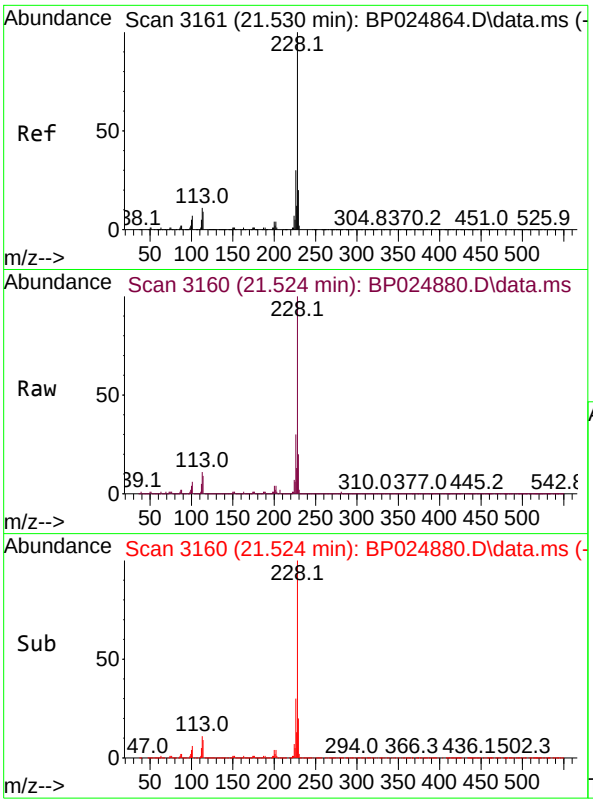


#82
3,3'-Dichlorobenzidine
Concen: 17.135 ng
RT: 21.389 min Scan# 3137
Delta R.T. -0.012 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:252 Resp: 731610

Ion	Ratio	Lower	Upper
252	100		
254	65.6	51.2	76.8
126	10.4	8.6	12.8

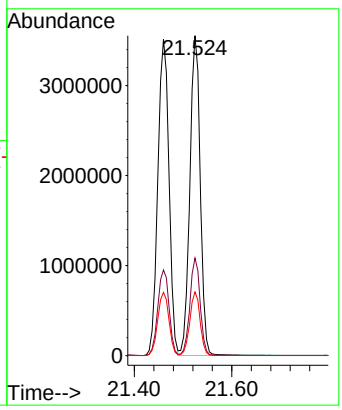




#83
Chrysene
Concen: 51.424 ng
RT: 21.524 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:228 Resp: 524030

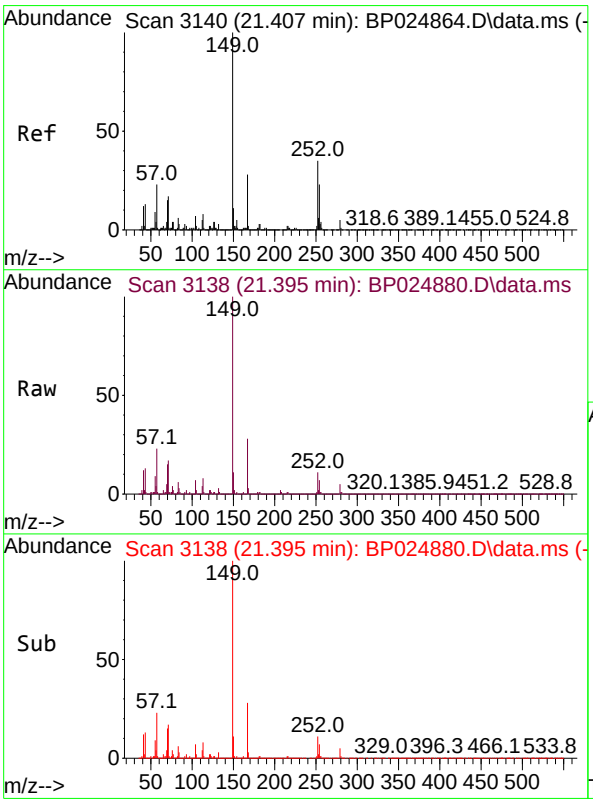
Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.8	35.6
229	19.9	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
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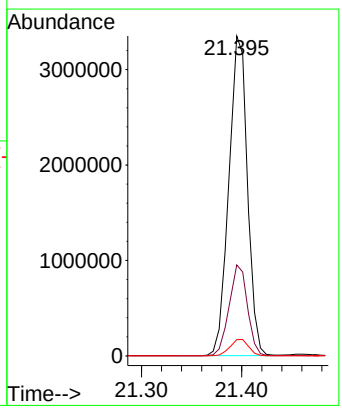
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

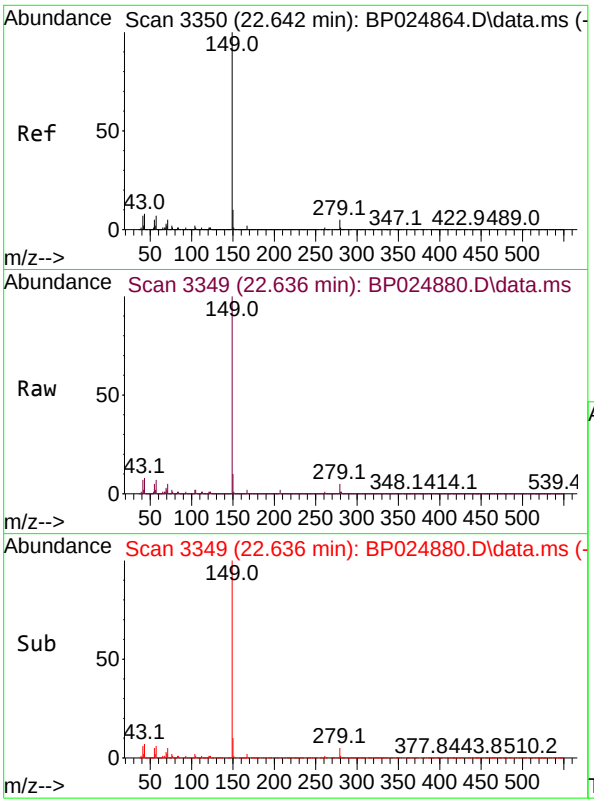


#84
Bis(2-ethylhexyl)phthalate
Concen: 62.529 ng
RT: 21.395 min Scan# 3138
Delta R.T. -0.012 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:149 Resp: 4311017

Ion	Ratio	Lower	Upper
149	100		
167	28.4	22.2	33.4
279	5.1	4.0	6.0

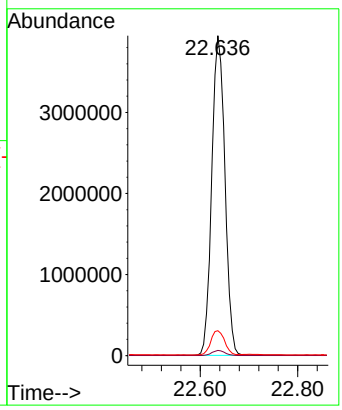




#85
Di-n-octyl phthalate
Concen: 60.971 ng
RT: 22.636 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:149 Resp: 740927

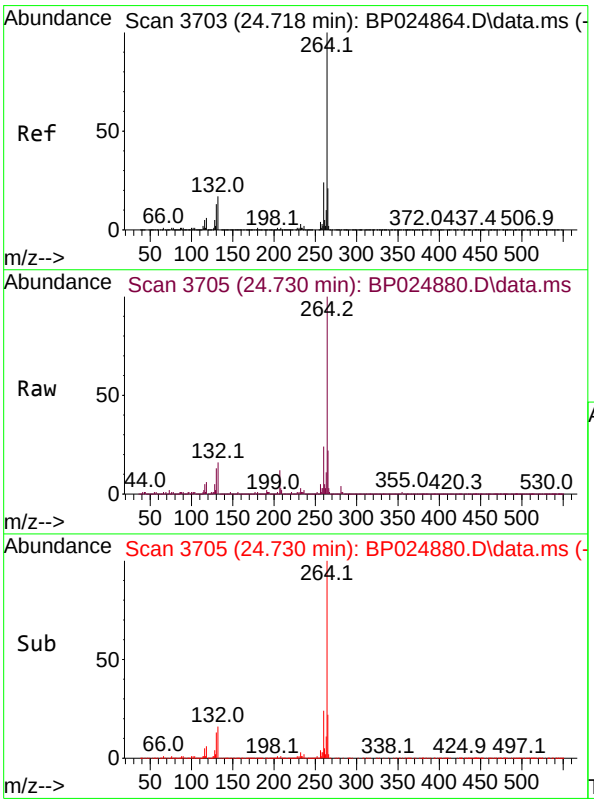
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.9	6.6	10.0



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

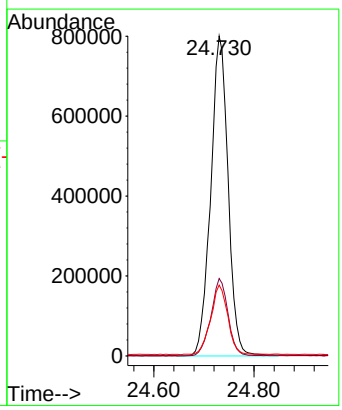
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

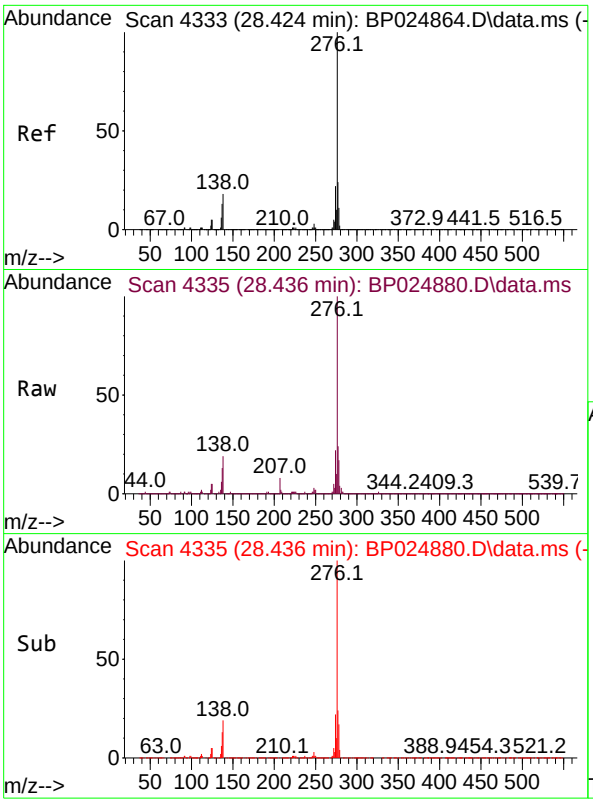


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.730 min Scan# 3705
Delta R.T. 0.012 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:264 Resp: 1927042

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.0	28.4
265	22.1	17.4	26.0

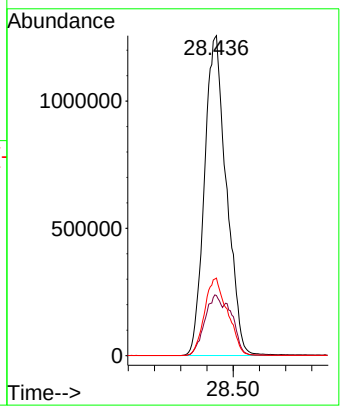




#87
Indeno(1,2,3-cd)pyrene
Concen: 51.973 ng
RT: 28.436 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:276 Resp: 730749

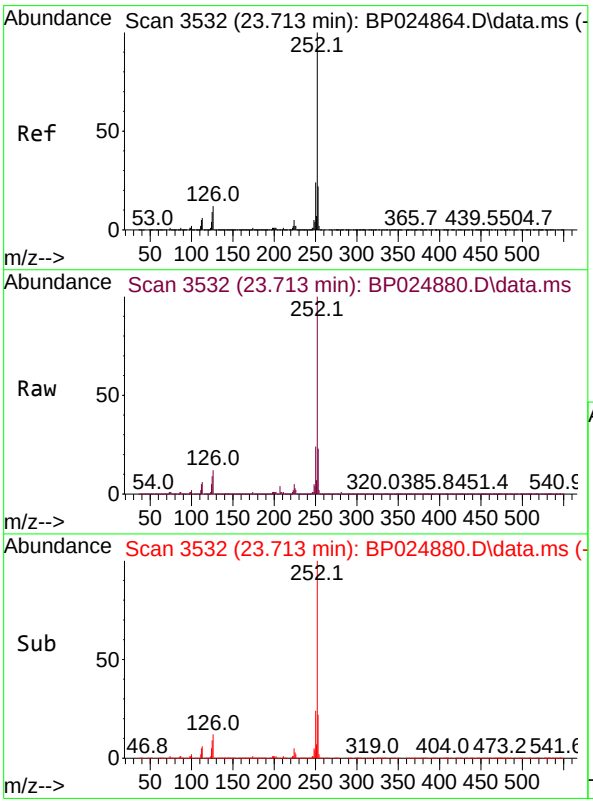
Ion	Ratio	Lower	Upper
276	100		
138	14.4	18.6	27.8
277	25.4	20.2	30.4



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
APPROVED

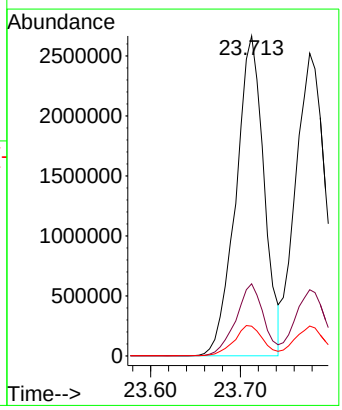
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

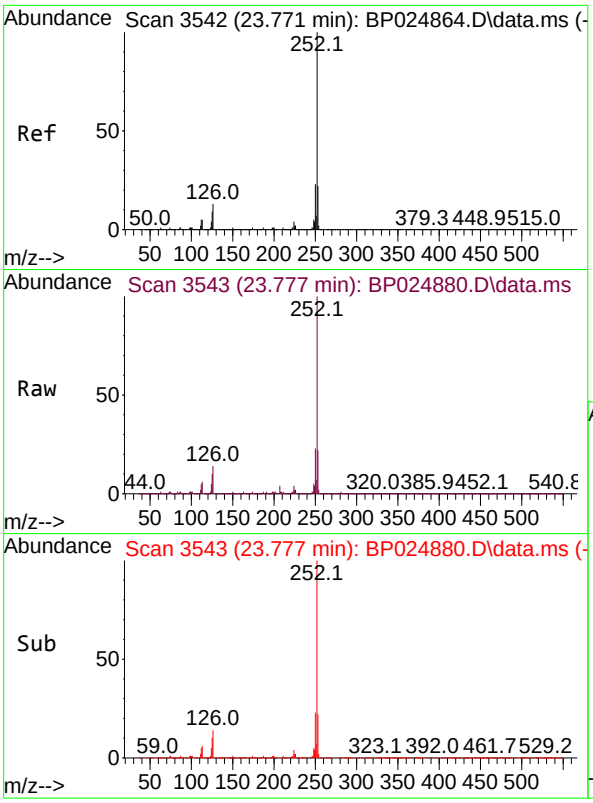


#88
Benzo(b)fluoranthene
Concen: 52.654 ng
RT: 23.713 min Scan# 3532
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:252 Resp: 5806971

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.6	26.4
125	9.3	7.1	10.7





#89
Benzo(k)fluoranthene
Concen: 51.816 ng
RT: 23.777 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

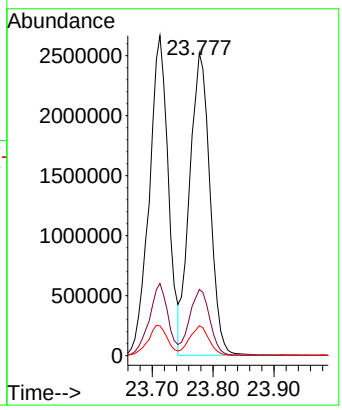
Tgt Ion:252 Resp: 581692

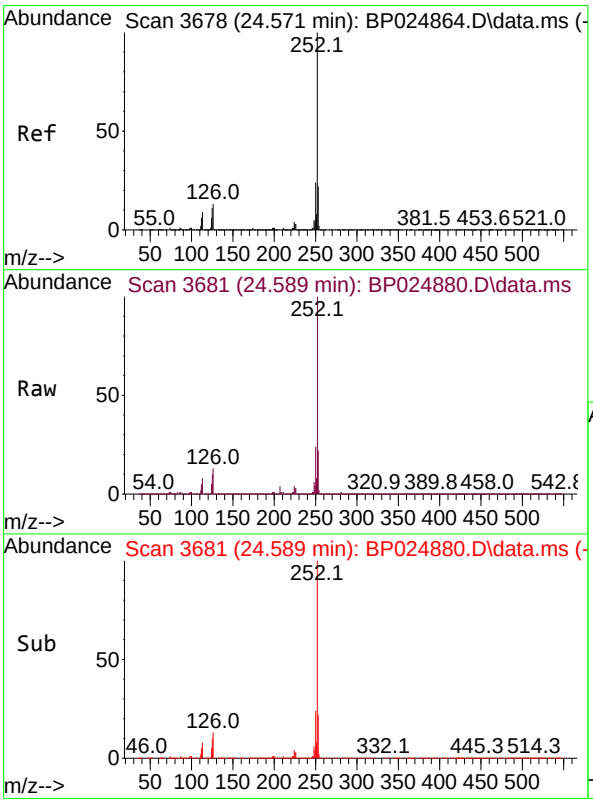
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	9.9	7.4	11.0

Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

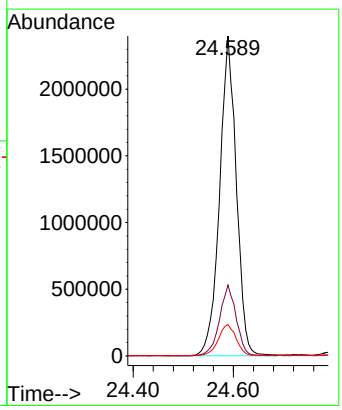


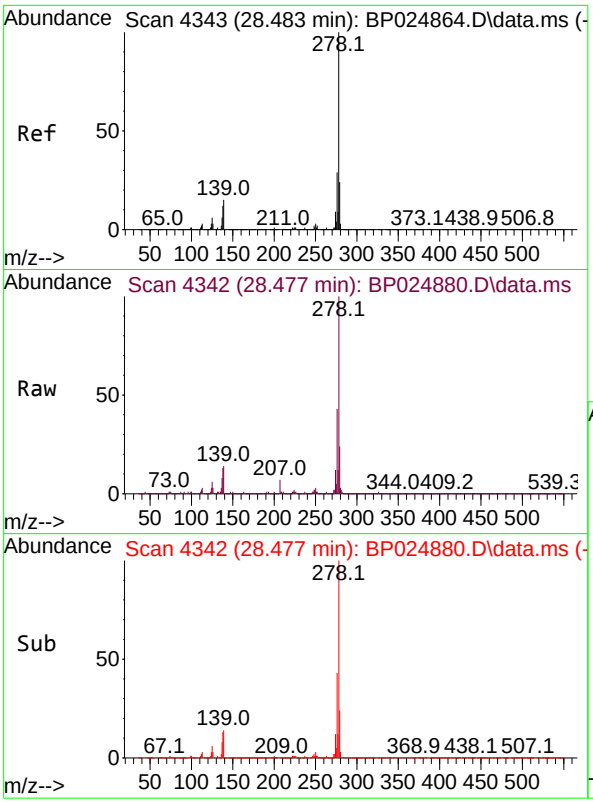


#90
Benzo(a)pyrene
Concen: 51.500 ng
RT: 24.589 min Scan# 3681
Delta R.T. 0.018 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:252 Resp: 5546665

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	9.8	8.8	13.2

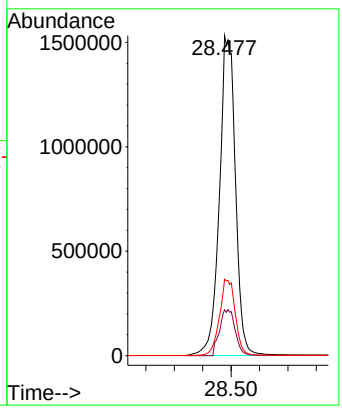




#91
Dibenzo(a,h)anthracene
Concen: 52.475 ng
RT: 28.477 min Scan# 4
Delta R.T. -0.006 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:278 Resp: 600549

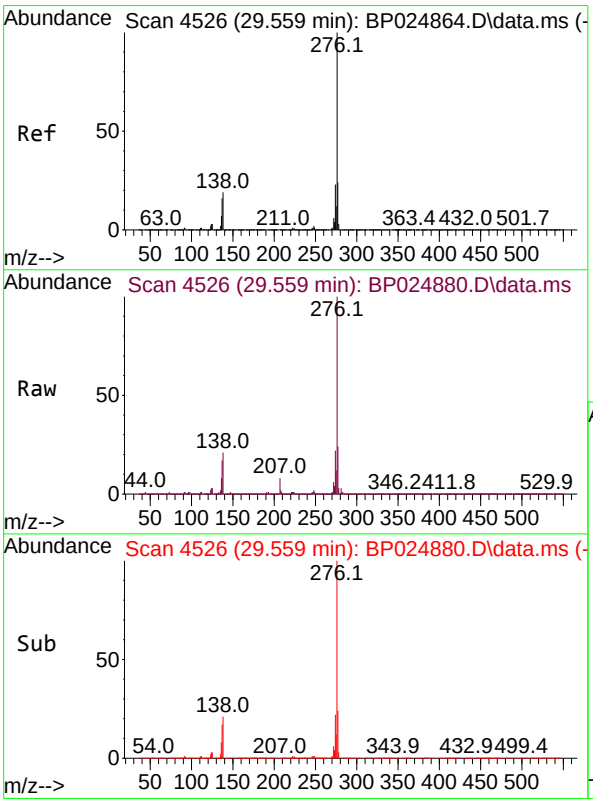
Ion	Ratio	Lower	Upper
278	100		
139	14.3	12.0	18.0
279	23.9	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
GW-MW01-060425MSD

Manual Integrations
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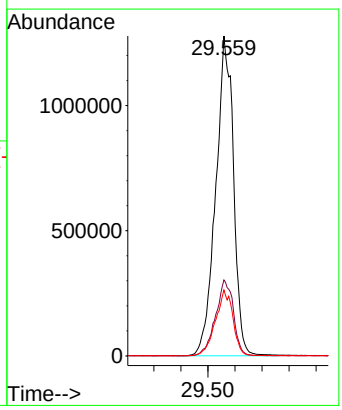
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#92
Benzo(g,h,i)perylene
Concen: 51.165 ng
RT: 29.559 min Scan# 4526
Delta R.T. -0.000 min
Lab File: BP024880.D
Acq: 09 Jun 2025 16:55

Tgt Ion:276 Resp: 5809887

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.1	28.7
138	20.6	15.4	23.2



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Manual Integration Report

Sequence:	BP060625	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BP024861.D	2,3,4,6-Tetrachlorophenol	Rahul	6/9/2025 10:51:15 AM	Jagrut	6/9/2025 12:08:47 PM	Peak Integrated by Software
SSTDICC005	BP024861.D	4-Nitroaniline	Rahul	6/9/2025 10:51:15 AM	Jagrut	6/9/2025 12:08:47 PM	Peak Integrated by Software
SSTDICC010	BP024862.D	Benzaldehyde	Rahul	6/9/2025 10:51:18 AM	Jagrut	6/9/2025 12:08:50 PM	Peak Integrated by Software
SSTDICC010	BP024862.D	Benzo(b)fluoranthene	Rahul	6/9/2025 10:51:18 AM	Jagrut	6/9/2025 12:08:50 PM	Peak Integrated by Software
SSTDICC010	BP024862.D	Benzoic acid	Rahul	6/9/2025 10:51:18 AM	Jagrut	6/9/2025 12:08:50 PM	Peak Integrated by Software
SSTDICC020	BP024863.D	Benzaldehyde	Rahul	6/9/2025 10:51:20 AM	Jagrut	6/9/2025 12:08:52 PM	Peak Integrated by Software
SSTDICV040	BP024868.D	Benzaldehyde	Rahul	6/9/2025 10:51:26 AM	Jagrut	6/9/2025 12:08:55 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BP060925	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP024871.D	Benzaldehyde	Rahul	6/10/2025 10:03:10 AM	Jagrut	6/10/2025 11:16:44 AM	Peak Integrated by Software
Q2230-02	BP024877.D	1-Methylnaphthalene	Rahul	6/10/2025 10:03:12 AM	Jagrut	6/10/2025 11:16:46 AM	Peak Integrated by Software
Q2230-03MS	BP024879.D	Benzidine	Rahul	6/10/2025 10:03:17 AM	Jagrut	6/10/2025 11:16:53 AM	Peak Integrated by Software
Q2230-03MS	BP024879.D	Hexachloroethane	Rahul	6/10/2025 10:03:17 AM	Jagrut	6/10/2025 11:16:53 AM	Peak Integrated by Software
Q2230-04MSD	BP024880.D	Benzidine	Rahul	6/10/2025 10:03:29 AM	Jagrut	6/10/2025 11:16:56 AM	Peak Integrated by Software
Q2230-04MSD	BP024880.D	Hexachloroethane	Rahul	6/10/2025 10:03:29 AM	Jagrut	6/10/2025 11:16:56 AM	Peak Integrated by Software

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP060625

Review By	Rahul	Review On	6/9/2025 11:36:10 AM		
Supervise By	Jagrut	Supervise On	6/9/2025 12:09:52 PM		
SubDirectory	BP060625	HP Acquire Method	BNA_P	HP Processing Method	BP060625

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6796
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024859.D	06 Jun 2025 09:49	RC/JU	Ok
2	SSTDICC2.5	BP024860.D	06 Jun 2025 10:30	RC/JU	Ok
3	SSTDICC005	BP024861.D	06 Jun 2025 11:11	RC/JU	Ok,M
4	SSTDICC010	BP024862.D	06 Jun 2025 11:52	RC/JU	Ok,M
5	SSTDICC020	BP024863.D	06 Jun 2025 12:33	RC/JU	Ok,M
6	SSTDICCC040	BP024864.D	06 Jun 2025 13:14	RC/JU	Ok
7	SSTDICC050	BP024865.D	06 Jun 2025 13:56	RC/JU	Ok
8	SSTDICC060	BP024866.D	06 Jun 2025 14:37	RC/JU	Ok
9	SSTDICC080	BP024867.D	06 Jun 2025 15:18	RC/JU	Ok
10	SSTDICV040	BP024868.D	06 Jun 2025 17:09	RC/JU	Ok,M
11	PB168259BL	BP024869.D	06 Jun 2025 17:50	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP060925

Review By	Rahul	Review On	6/10/2025 10:05:06 AM				
Supervise By	Jagrut	Supervise On	6/10/2025 11:17:20 AM				
SubDirectory	BP060925	HP Acquire Method	BNA_P		HP Processing Method	BP060625	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6796
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024870.D	09 Jun 2025 10:03	RC/JU	Ok
2	SSTDCCC040	BP024871.D	09 Jun 2025 10:44	RC/JU	Ok,M
3	PB168323BL	BP024872.D	09 Jun 2025 11:24	RC/JU	Ok
4	PB168323BS	BP024873.D	09 Jun 2025 12:05	RC/JU	Ok
5	Q2210-01	BP024874.D	09 Jun 2025 12:50	RC/JU	Ok
6	Q2209-01	BP024875.D	09 Jun 2025 13:31	RC/JU	Ok
7	Q2230-01	BP024876.D	09 Jun 2025 14:12	RC/JU	Ok
8	Q2230-02	BP024877.D	09 Jun 2025 14:52	RC/JU	Ok,M
9	Q2218-01	BP024878.D	09 Jun 2025 15:33	RC/JU	Ok,M
10	Q2230-03MS	BP024879.D	09 Jun 2025 16:14	RC/JU	Ok,M
11	Q2230-04MSD	BP024880.D	09 Jun 2025 16:55	RC/JU	Ok,M
12	Q2230-05	BP024881.D	09 Jun 2025 17:35	RC/JU	Ok
13	Q2231-02	BP024882.D	09 Jun 2025 18:16	RC/JU	Dilution
14	Q2237-02	BP024883.D	09 Jun 2025 18:57	RC/JU	Ok
15	Q2248-01	BP024884.D	09 Jun 2025 19:38	RC/JU	Ok,M
16	Q2240-01	BP024885.D	09 Jun 2025 20:18	RC/JU	Ok,M
17	Q2260-01	BP024886.D	09 Jun 2025 20:59	RC/JU	Ok,M

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP060625

Review By	Rahul	Review On	6/9/2025 11:36:10 AM		
Supervise By	Jagrut	Supervise On	6/9/2025 12:09:52 PM		
SubDirectory	BP060625	HP Acquire Method	BNA_P	HP Processing Method	BP060625

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6796
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP024859.D	06 Jun 2025 09:49		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BP024860.D	06 Jun 2025 10:30		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BP024861.D	06 Jun 2025 11:11		RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BP024862.D	06 Jun 2025 11:52		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BP024863.D	06 Jun 2025 12:33	Calibration is Good for 8270 E, 8270 DOD and 625.1 methods.	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BP024864.D	06 Jun 2025 13:14	Compound#54 & 56 are Kept on LR	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BP024865.D	06 Jun 2025 13:56		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BP024866.D	06 Jun 2025 14:37		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BP024867.D	06 Jun 2025 15:18		RC/JU	Ok
10	SSTDICV040	ICVBP060625	BP024868.D	06 Jun 2025 17:09		RC/JU	Ok,M
11	PB168259BL	PB168259BL	BP024869.D	06 Jun 2025 17:50		RC/JU	Ok

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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 # BP060925

Review By	Rahul	Review On	6/10/2025 10:05:06 AM		
Supervise By	Jagrut	Supervise On	6/10/2025 11:17:20 AM		
SubDirectory	BP060925	HP Acquire Method	BNA_P	HP Processing Method	BP060625

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12667,10ul/1000ul sample
ICV/I.BLK	SP6796
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP024870.D	09 Jun 2025 10:03		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP024871.D	09 Jun 2025 10:44		RC/JU	Ok,M
3	PB168323BL	PB168323BL	BP024872.D	09 Jun 2025 11:24		RC/JU	Ok
4	PB168323BS	PB168323BS	BP024873.D	09 Jun 2025 12:05		RC/JU	Ok
5	Q2210-01	TW1	BP024874.D	09 Jun 2025 12:50		RC/JU	Ok
6	Q2209-01	P01W	BP024875.D	09 Jun 2025 13:31		RC/JU	Ok
7	Q2230-01	FB-060425	BP024876.D	09 Jun 2025 14:12		RC/JU	Ok
8	Q2230-02	GW-MW01-060425	BP024877.D	09 Jun 2025 14:52		RC/JU	Ok,M
9	Q2218-01	72-11934	BP024878.D	09 Jun 2025 15:33		RC/JU	Ok,M
10	Q2230-03MS	GW-MW01-060425MS	BP024879.D	09 Jun 2025 16:14		RC/JU	Ok,M
11	Q2230-04MSD	GW-MW01-060425MSI	BP024880.D	09 Jun 2025 16:55		RC/JU	Ok,M
12	Q2230-05	GW-MW901-060425	BP024881.D	09 Jun 2025 17:35		RC/JU	Ok
13	Q2231-02	MW-14-20250604	BP024882.D	09 Jun 2025 18:16	Analyze first with 10X Dilution and then decide further Dilution	RC/JU	Dilution
14	Q2237-02	TW-WTS-10	BP024883.D	09 Jun 2025 18:57		RC/JU	Ok
15	Q2248-01	TR-05-060525	BP024884.D	09 Jun 2025 19:38		RC/JU	Ok,M
16	Q2240-01	TP-3	BP024885.D	09 Jun 2025 20:18		RC/JU	Ok,M
17	Q2260-01	TP10-MHG-WC	BP024886.D	09 Jun 2025 20:59		RC/JU	Ok,M

M : Manual Integration

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EXTRACTION LOGPAGE

PB168323

SOP ID:	M3510C,3580A-Extraction SVOC-20				
Clean Up SOP #:	N/A			**Extraction Start Date :**	06/06/2025
Matrix :	Water			**Extraction Start Time :**	08:35
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	06/06/2025
Balance check:	N/A	**Filter By:**	RJ	**Extraction End Time :**	13:50
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3880	**Hood ID:**	4,5,6,7	**Supervisor By :**	RUPESH

Extraction Method: ☑ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6794
Surrogate	1.0ML	100/150 PPM	SP6754
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3939
Baked Na2SO4	N/A	EP2620
10N NaoH	N/A	EP2609
H2SO4 1:1	N/A	EP2610
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:

1.5 ML Vial lot# 2210443. pH Adjusted<2 with 1:1 H2SO4 &>11 with 10 N NaOH.

KD Bath ID:	WATER BATH-1,2	**Envap ID:**	NEVAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
6/6/25	RS (Ext labs)	RC / SVOC
13:55	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168323

Analytical Method: M3510C,3580A-Extraction SVOC-20 **Concentration Date:** 06/06/2025

Sample ID	Client Sample ID	Test	g /(mL)	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168323BL	SBLK323	SVOCMS Group1	1000	6	ritesh	Evelyn	1			SEP-1
PB168323BS	SLCS323	SVOCMS Group1	1000	6	ritesh	Evelyn	1			2
Q2202-03	MW-12-20250603	SVOCMS Group1	980	6	ritesh	Evelyn	1	C		3
Q2209-01	P01W	SVOCMS Group2	990	6	ritesh	Evelyn	1	D		4
Q2210-01	TW1	SVOCMS Group1	1000	6	ritesh	Evelyn	1	D		5
Q2230-01	FB-060425	SVOCMS Group3	880	6	ritesh	Evelyn	1	C		6
Q2230-02	GW-MW01-060425	SVOCMS Group3	910	6	ritesh	Evelyn	1	C		7
Q2230-03	Q2230-02MS	SVOCMS Group3	960	6	ritesh	Evelyn	1	C		8
Q2230-04	Q2230-02MSD	SVOCMS Group3	940	6	ritesh	Evelyn	1	C		9
Q2230-05	GW-MW901-060425	SVOCMS Group3	980	6	ritesh	Evelyn	1	C		10
Q2231-02	MW-14-20250604	SVOCMS Group1	1000	6	ritesh	Evelyn	1	C		11
Q2237-02	TW-WTS-10	SVOCMS Group4	980	12	ritesh	Evelyn	1	F		12

RS 6/6

* **Extracts relinquished on the same date as received.**

168323
8:35

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2202 **WorkList ID :** 189994 **Department :** Extraction **Date :** 06-06-2025 08:27:56

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2202-03	MW-12-20250603	Water	SVOCMS Group1	Cool 4 deg C	PARS02	N31	06/03/2025	8270E
Q2209-01	P01W	Water	SVOCMS Group2	Cool 4 deg C	GENV01	N31	06/04/2025	8270E
Q2210-01	TW1	Water	SVOCMS Group1	Cool 4 deg C	GENV01	L31	06/03/2025	8270E
Q2230-01	FB-060425	Water	SVOCMS Group3	Cool 4 deg C	CAMP02	N31	06/04/2025	8270E
Q2230-02	GW-MW01-060425	Water	SVOCMS Group3	Cool 4 deg C	CAMP02	N31	06/04/2025	8270E
Q2230-03	Q2230-02MS	Water	SVOCMS Group3	Cool 4 deg C	CAMP02	N31	06/04/2025	8270E
Q2230-04	Q2230-02MSD	Water	SVOCMS Group3	Cool 4 deg C	CAMP02	N31	06/04/2025	8270E
Q2230-05	GW-MW901-060425	Water	SVOCMS Group3	Cool 4 deg C	CAMP02	N31	06/04/2025	8270E
Q2231-02	MW-14-20250604	Water	SVOCMS Group1	Cool 4 deg C	PARS02	N41	06/04/2025	8270E
Q2237-02	TW-WTS-10	Water	SVOCMS Group4	Cool 4 deg C	ENTA05	N31	06/04/2025	8270E

Date/Time 6/6/25 8:30
Raw Sample Received by: RJ (EA Lab)
Raw Sample Relinquished by:

Date/Time 6/6/25 9:15
Raw Sample Received by:
Raw Sample Relinquished by: RJ (EA Lab)

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Prep Standard - Chemical Standard Summary

Order ID : Q2230

Test : SVOCMS Group3

Prepbatch ID : PB168323,

Sequence ID/Qc Batch ID: BP060925,

Standard ID :
EP2609,EP2610,EP2620,SP6754,SP6757,SP6783,SP6784,SP6785,SP6786,SP6787,SP6788,SP6789,SP6790,SP6791,SP6794,SP6795,SP6796,

Chemical ID :
10ul/1000ul sample,E3551,E3657,E3902,E3904,E3930,E3937,E3939,M6157,S10104,S10584,S11073,S11162,S11487,S11496,S11650,S11800,S11806,S12115,S12190,S12191,S12192,S12193,S12194,S12195,S12209,S12210,S12211,S12212,S12213,S12214,S12215,S12216,S12271,S12277,S12487,S12497,S12498,S12543,S12544,S12577,S12662,S12667,S12793,S12984,S12985,S12986,S13078,S13148,S13158,W3112,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1874	10 N SODIUM HYDROXIDE SOLN	EP2609	05/07/2025	11/07/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/07/2025

FROM 1000.00000ml of W3112 + 400.00000gram of E3657 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
314	1.1 H2SO4 SOLN	EP2610	05/07/2025	11/07/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/07/2025

FROM 1000.00000ml of M6157 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2620	05/30/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/30/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

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	SP6754	03/18/2025	09/18/2025	Rahul Chavli	None	None	Jagrut Upadhyay 04/03/2025

FROM 1930.00000ml of E3902 + 2.60000ml of S12216 + 2.70000ml of S12195 + 5.20000ml of S12210 + 5.30000ml of S12192 + 5.30000ml of S12194 + 5.30000ml of S12209 + 5.30000ml of S12211 + 5.30000ml of S12212 + 5.30000ml of S12213 + 5.40000ml of S12190 + 5.40000ml of S12214 + 5.60000ml of S12191 + 5.60000ml of S12215 + 5.70000ml of S12193 = Final Quantity: 2000.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3895	50 ug/ml DFTPP 8270E	SP6757	03/31/2025	09/30/2025	Rahul Chavli	None	None	Jagrut Upadhyay 04/01/2025

FROM 1.00000ml of S12577 + 19.00000ml of E3904 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3764	8270/625 Stock solution 100 ng	SP6783	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.26700ml of S10104 + 0.40000ml of S11496 + 0.50000ml of S12115 + 1.00000ml of S11162 + 1.00000ml of S12271 + 1.00000ml of S12277 + 1.00000ml of S12793 + 1.00000ml of S13078 + 3.83300ml of E3930 = Final Quantity: 10.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
413	80 ng BNA ICC, 80 PPM	SP6784	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.20000ml of E3930 + 0.80000ml of SP6783 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
412	60 ng BNA ICC, 60 PPM	SP6785	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.40000ml of E3930 + 0.60000ml of SP6783 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
411	50 ng BNA ICC, 50 PPM	SP6786	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.50000ml of E3930 + 0.50000ml of SP6783 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
410	40 ng BNA ICC, 40 PPM	SP6787	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.60000ml of E3930 + 0.40000ml of SP6783 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3678	20 ng BNA ICC, 20 PPM	SP6788	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.80000ml of E3930 + 0.20000ml of SP6783 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
407	5 ng BNA ICC, 5 PPM	SP6789	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.95000ml of E3930 + 0.05000ml of SP6783 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
408	10 ng BNA ICC, 10 PPM	SP6790	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.90000ml of E3930 + 0.10000ml of SP6783 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
175	2.5 ng BNA ICC, 2.5 PPM	SP6791	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.50000ml of E3930 + 0.50000ml of SP6789 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
171	8270/625 Spike Solution, 50/100 PPM	SP6794	06/04/2025	06/30/2025	Rahul Chavli	None	None	Jagrut Upadhyay 06/05/2025

FROM 0.10000ml of S10584 + 0.10000ml of S11487 + 0.10000ml of S11650 + 0.10000ml of S13148 + 0.10000ml of S13158 + 0.45000ml of S11806 + 0.80000ml of S11800 + 1.20000ml of S12487 + 1.20000ml of S12544 + 1.20000ml of S12985 + 1.30000ml of S12497 + 1.30000ml of S12543 + 1.30000ml of S12984 + 40.75000ml of E3937 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
18	Second Source Calibration Stock Standard, 100 PPM, (8270/625/CLP)	SP6795	06/05/2025	09/18/2025	Jagrut Upadhyay	None	None	Rahul Chavli 06/10/2025

FROM 0.04000ml of S12195 + 0.08000ml of S12216 + 0.10000ml of S11073 + 0.20000ml of S12498 + 0.20000ml of S12544 + 0.20000ml of S12986 + 1.18000ml of E3939 = Final Quantity: 2.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
416	40 ng BNA ICV, 40 PPM	SP6796	06/05/2025	09/18/2025	Jagrut Upadhyay	None	None	Rahul Chavli 06/10/2025

FROM 0.01000ml of S12667 + 0.60000ml of E3939 + 0.40000ml of SP6795 = Final Quantity: 1.010 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	12/04/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19510-5 / Sodium Hydroxide Pellets 2.5 Kg, Pk of 4	23B1556310	12/31/2025	12/04/2023 / Rajesh	12/01/2023 / Rajesh	E3657

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	09/18/2025	03/18/2025 / RUPESH	02/12/2025 / RUPESH	E3902

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)	24K1762005	01/07/2026	03/13/2025 / RUPESH	12/27/2024 / RUPESH	E3904

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)	25A0262002	02/20/2026	05/02/2025 / RUPESH	03/09/2025 / RUPESH	E3930

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	11/22/2025	05/22/2025 / RUPESH	05/14/2025 / RUPESH	E3937

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A2862010	11/22/2025	05/22/2025 / RUPESH	02/28/2025 / RUPESH	E3939

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	24i1262013	11/07/2025	05/07/2025 / RUPESH	02/18/2025 / Mohan	M6157

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-112090-04 / CLP Acid Surrogate Solution, 7500 mg/L, 1ml	440246	07/30/2025	01/30/2025 / anahy	12/09/2021 / Christian	S10104

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]	A0186373	06/30/2025	01/29/2025 / anahy	07/05/2022 / Christian	S10584

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0187043	11/16/2025	05/16/2025 / Jagrut	02/06/2023 / Christian	S11073

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110817-01 / Custom 8270 Mix, 4-55, 1000 mg/L, 1 ml, (Maximum Expiration: 90 Days)	414125	06/21/2025	05/05/2025 / Jagrut	03/06/2023 / Christian	S11162

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555870 / Custom Standard, 2,4-dinitrophenol Std [CS 5328-3]	A0200549	08/31/2026	01/29/2025 / anahy	08/10/2023 / yogesh	S11487

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110094-02 / CLP Base/Neutral Surrogate Solution, 5000 mg/L, 1ml	506889	10/28/2025	04/28/2025 / Jagrut	08/11/2023 / Yogesh	S11496

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	07/29/2025	01/29/2025 / anahy	11/09/2023 / Yogesh	S11650

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	12/04/2025	06/04/2025 / Jagrut	11/21/2023 / rahul	S11800

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	12/04/2025	06/04/2025 / Jagrut	11/21/2023 / rahul	S11806

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-010223-01 / 1,4-Dioxane Solution, 2,000mg/L, 1ml	454157	10/28/2025	04/28/2025 / Jagrut	03/08/2024 / Rahul	S12115

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12190

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	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12191

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	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12192

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	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12193

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	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12194

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	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12195

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12209

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	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12210

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	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12211

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	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12212

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	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12213

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	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12214

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12215

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	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12216

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-110381-01 / 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1ml	520963	10/28/2025	04/28/2025 / Jagrut	05/24/2024 / Rahul	S12271

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	11/05/2025	05/05/2025 / Jagrut	05/24/2024 / Rahul	S12277

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	12/04/2025	06/04/2025 / Jagrut	07/23/2024 / RAHUL	S12487

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	12/04/2025	06/04/2025 / Jagrut	07/23/2024 / RAHUL	S12497

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	12/04/2025	06/04/2025 / Jagrut	07/23/2024 / RAHUL	S12498

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	12/04/2025	06/04/2025 / Jagrut	07/23/2024 / RAHUL	S12543

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	12/04/2025	06/04/2025 / Jagrut	07/23/2024 / RAHUL	S12544

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	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	11/01/2025	05/01/2025 / Rahul	09/20/2024 / anahy	S12662

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	A0212266	11/28/2025	05/28/2025 / Rahul	09/20/2024 / anahy	S12667

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days)	414127	06/21/2025	05/05/2025 / Jagrut	05/24/2024 / Rahul	S12793

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]	A0219438	09/30/2025	06/04/2025 / Jagrut	12/11/2024 / anahy	S12984

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]	A0219438	09/30/2025	06/04/2025 / Jagrut	12/11/2024 / anahy	S12985

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]	A0219438	09/30/2025	06/04/2025 / Jagrut	12/11/2024 / anahy	S12986

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010074-07 / 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 ml, (Maximum Expiration: 180 days)	525551	11/05/2025	05/05/2025 / Jagrut	03/10/2025 / anahy	S13078

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	12/03/2025	06/03/2025 / Jagrut	11/13/2023 / Rahul	S13148

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	555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4]	A0226283	12/04/2025	06/04/2025 / Jagrut	06/04/2025 / Rahul	S13158

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0 **Page 1 of 1**

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110817-01	414125	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-55, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acetophenone	98-86-2	99.2	85.8.1P	998 ± 11.5
benzoic acid	65-85-0	100	123.7.1P	1010 ± 5.88
biphenyl	92-52-4	99.9	366.29.1P	999 ± 5.82
1,2,4,5-tetrachlorobenzene	95-94-3	99.7	53.7.2P	993 ± 5.79

Received on
02/07/23
by
CG
S11089
to
S11093

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-112090-04	440246	≤ -10 °C	Methylene Chloride	2/16/2026	CLP Acid Surrogate Solution, 7,500 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
2-chlorophenol-d_4	93951-73-6	99.3	248.12.7P	7487 ± 17.2
2-fluorophenol	367-12-4	99.8	10.7.3.3P	7513 ± 17.26
phenol-d6	13127-88-3	99.9	949.120.8P	7481 ± 17.19
2,4,6-tribromophenol	118-79-6	99.8	12.1.6P	7469 ± 17.17

Received on
02/25/21
by
CG

S9236
to
S9240

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Erica Castiglione

Erica Castiglione
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Gravimetric Certificate

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by CG on 07/05/22 S10583 to S10592

Catalog No. : 555868 **Lot No.:** A0186373

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, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Benzidine	25,200.0 µg/mL	+/- 233.2055 µg/mL	Gravimetric
	CAS # 92-87-5 (Lot 220511RSR)		+/- 351.6606 µg/mL	Unstressed
	Purity 99%		+/- 512.6054 µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 16-Jun-2022 **Balance:** 1122030677

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 combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules 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 ampules. 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.

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received on 02/06/23 by CG

S11071 to S11075

Catalog No. : 31853 **Lot No.:** A0187043

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	1,4-Dioxane	2,019.0 µg/mL	+/- 11.8486	µg/mL	Gravimetric
	CAS # 123-91-1 (Lot SHBN5929)		+/- 43.2570	µg/mL	Unstressed
	Purity 99%		+/- 44.5129	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

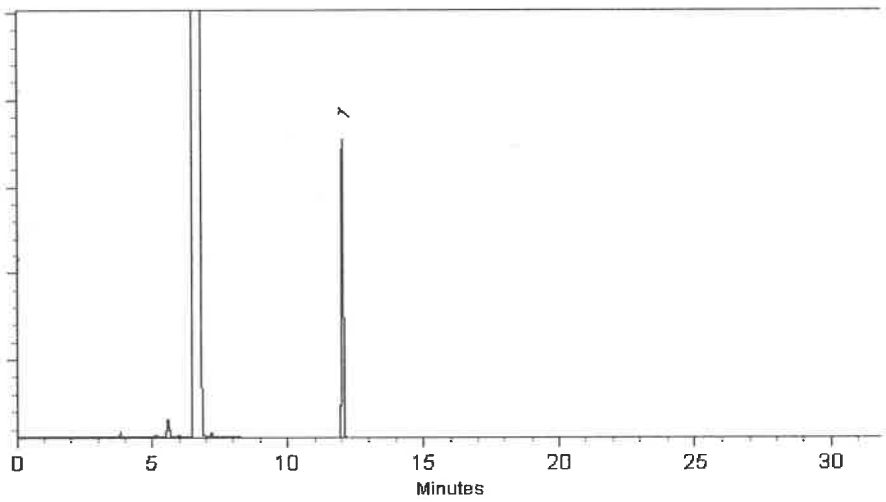
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 07-Jul-2022 **Balance:** 1128360905

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 12-Jul-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
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:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
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%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
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%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
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.

RG-02-01, Ed. 3

Recd. by RP on 7/24/23 E3551

VWR®

Certificate of Analysis

Sodium Hydroxide (Pellets)

Material: 0583
Grade: ACS GRADE
Batch Number: 23B1556310

Chemical Formula: NaOH
Molecular Weight: 40
CAS #: 1310-73-2
Appearance:

Pellets

Manufacture Date: 12/14/2022
Expiration Date: 12/31/2025

Storage: Room Temperature

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Calcium	<= 0.005 %	<0.005 %	PASS
Chloride	<= 0.005 %	0.002 %	PASS
Heavy Metals	<= 0.002 %	<0.002 %	PASS
Iron	<= 0.001 %	<0.001 %	PASS
Magnesium	<= 0.002 %	<0.002 %	PASS
Mercury	<= 0.1 ppm	<0.1 ppm	PASS
Nickel	<= 0.001 %	<0.001 %	PASS
Nitrogen Compounds	<= 0.001 %	<0.001 %	PASS
Phosphate	<= 0.001 %	<0.001 %	PASS
Potassium	<= 0.02 %	<0.02 %	PASS
Purity	>= 97.0 %	99.2 %	PASS
Sodium Carbonate	<= 1.0 %	0.5 %	PASS
Sulfate	<= 0.003 %	<0.003 %	PASS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.

E 3657	E 3659
E 3654	E 3660

PO: PO2-798 PRODUCT CODE: SHIP DATE: 12/9/2024

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
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

E 3902

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

PO: PO2-1178.2 PRODUCT CODE: SHIP DATE: 1/20/2025

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date:2026-02-20
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	4
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.8 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

E3930

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
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.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3937

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A2862010
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

E3939

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
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

M615 MB

avantor™ | J.T.Baker

Material No.: 9673-33
Batch No.: 24I1262013
Manufactured Date: 2024-08-07
Retest Date:2029-08-06
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (H_2SO_4)	95.0 – 98.0 %	96.2 %
Appearance	Passes Test	Passes Test
ACS – Color (APHA)	<= 10	5
ACS – Residue after Ignition	<= 3 ppm	<1 ppm
ACS – Substances Reducing Permanganate(as SO2)	<= 2 ppm	<2 ppm
Ammonium (NH_4)	<= 1 ppm	<1 ppm
Chloride (Cl)	<= 0.1 ppm	<0.1 ppm
Nitrate (NO_3)	<= 0.2 ppm	0.1 ppm
Phosphate (PO_4)	<= 0.5 ppm	<0.1 ppm
Trace Impurities – Aluminum (Al)	<= 30.0 ppb	<5.0 ppb
Arsenic & Antimony (as As)	<= 4.0 ppb	<2.0 ppb
Trace Impurities – Boron (B)	<= 10.0 ppb	<5.0 ppb
Trace Impurities – Cadmium (Cd)	<= 2.0 ppb	<1.0 ppb
Trace Impurities – Chromium (Cr)	<= 6.0 ppb	<1.0 ppb
Trace Impurities – Cobalt (Co)	<= 0.5 ppb	<0.3 ppb
Trace Impurities – Copper (Cu)	<= 1.0 ppb	<1.0 ppb
Trace Impurities – Gold (Au)	<= 10.0 ppb	<5.0 ppb
Heavy Metals (as Pb)	<= 500.0 ppb	<100.0 ppb
Trace Impurities – Iron (Fe)	<= 50.0 ppb	<1.0 ppb
Trace Impurities – Lead (Pb)	<= 0.5 ppb	<0.5 ppb
Trace Impurities – Magnesium (Mg)	<= 7.0 ppb	<1.0 ppb
Trace Impurities – Manganese (Mn)	<= 1.0 ppb	<1.0 ppb
Trace Impurities – Mercury (Hg)	<= 0.5 ppb	<0.1 ppb
Trace Impurities – Nickel (Ni)	<= 2.0 ppb	<0.3 ppb
Trace Impurities – Potassium (K)	<= 500.0 ppb	<10.0 ppb
Trace Impurities – Selenium (Se)	<= 50.0 ppb	7.2 ppb
Trace Impurities – Silicon (Si)	<= 100.0 ppb	12.8 ppb
Trace Impurities – Silver (Ag)	<= 1.0 ppb	<1.0 ppb

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1772

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™ | J.T.Baker

Material No.: 9673-33
Batch No.: 24I1262013

Test	Specification	Result
Trace Impurities - Sodium (Na)	<= 500.0 ppb	<5.0 ppb
Trace Impurities - Strontium (Sr)	<= 5.0 ppb	<1.0 ppb
Trace Impurities - Tin (Sn)	<= 5.0 ppb	1.1 ppb
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	<1.0 ppb

For Laboratory,Research,or Manufacturing Use

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

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

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555870 **Lot No.:** A0200549

Description : Custom 2,4-Dinitrophenol Standard

Custom 2,4-Dinitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

S11484 ↓ S11493 Y.P. 08/10/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	25,008.0 µg/mL	+/- 777.3323

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 02-Aug-2023 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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(707)545-7901 Fax

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by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110094-02	506889	≤ -10 °C	Methylene Chloride	7/25/2028	CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2-dichlorobenzene-d_4	2199-69-1	99.7	247.29.3P	5035 ± 28.02
2-fluorobiphenyl	321-60-8	99.69	8.286.1.1P	4999 ± 103.66
nitrobenzene-d5	4165-60-0	99.67	7.9.3P	4988 ± 27.32
p-terphenyl-d14	1718-51-0	99.3	9.120.8P	5005 ± 27.85

511494 to 511498 } Y.P. 08/11/2023

*Not a certified value

Certified By: _____

Clint Tipton
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Certificate of Analysis

gravimetric

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555872 **Lot No.:** A0201728

Description : Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

511649 ↓ 511658 Y.P. 11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP230530RSR	99%	25,000.0 µg/mL	+/- 777.0837

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Josh McCloskey - Operations Technician I

Date Mixed: 05-Sep-2023 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0200655

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11795 ↓ S11808 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBQ1693	99%	2,007.0 µg/mL	+/- 24.9775

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

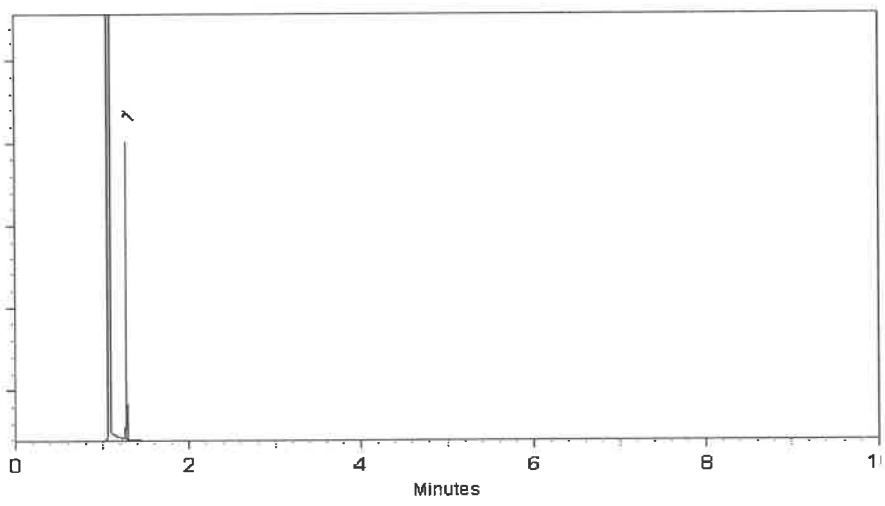
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 06-Aug-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 08-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0200655

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11795 ↓ S11808 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBQ1693	99%	2,007.0 µg/mL	+/- 24.9775

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

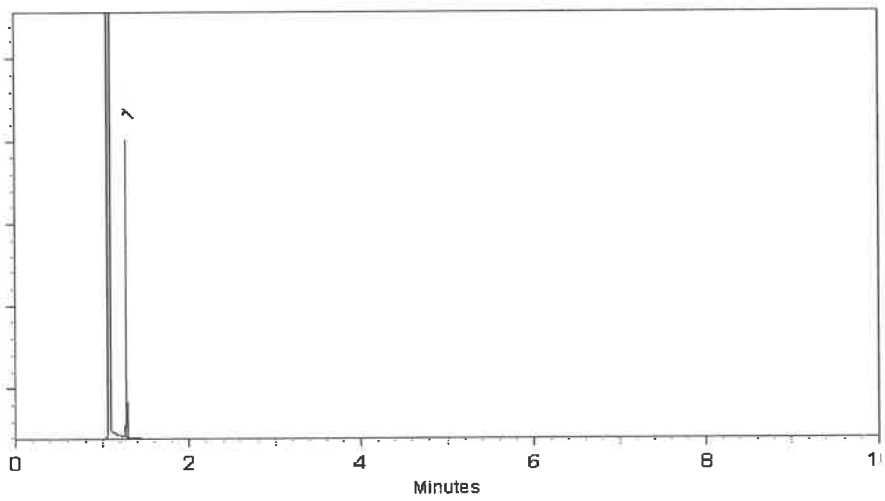
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 06-Aug-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 08-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Date Received:_____

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Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-020223-01	454157	≤ -10 °C	P/T Methanol	6/10/2026	1,4-Dioxane Solution, 2000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,4-dioxane	123-91-1	100	223.1.3P	1997 ±57.08

S12112 ↓ S12116 } RC/ 03/08/24

*Not a certified value

Certified By: Melissa Workoff

Melissa Workoff
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Certificate of Analysis

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

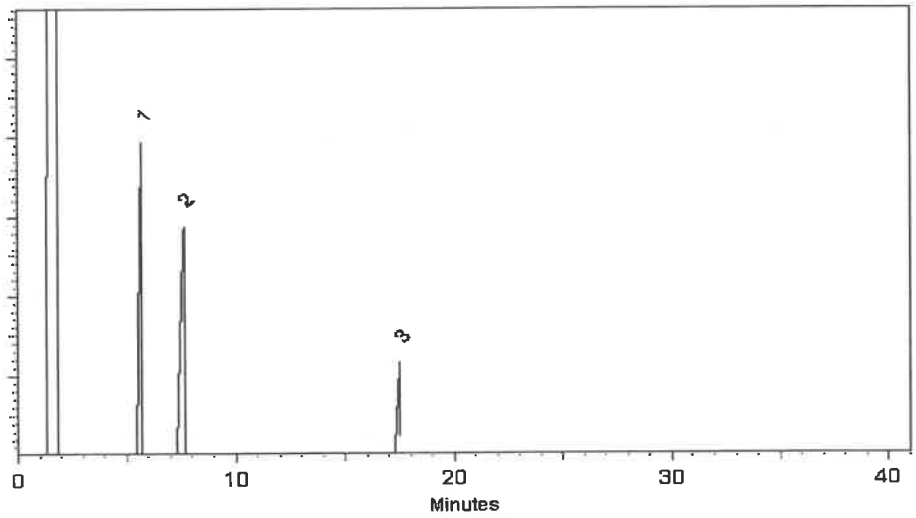
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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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. : 31087 **Lot No.:** A0206206

S12187 ↓ S12206 } RC/ 03/18/24

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

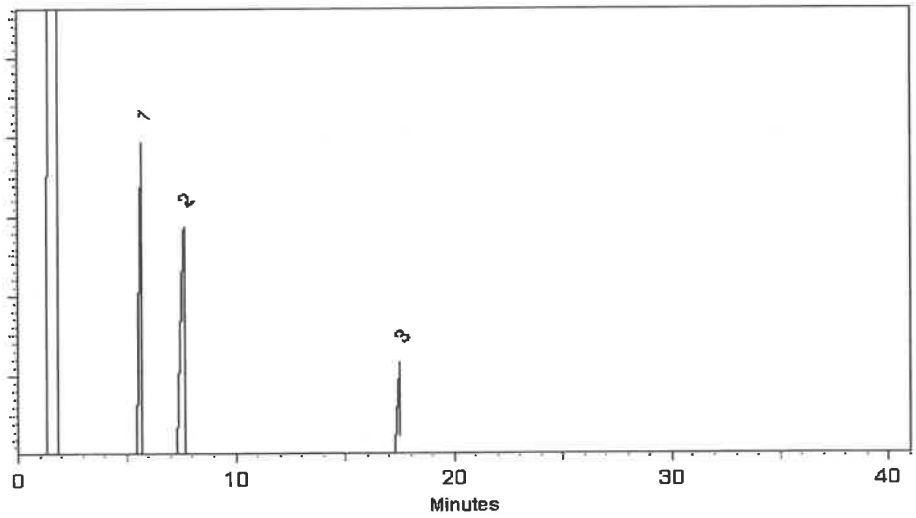
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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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

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Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

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)
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Solvent: Methanol
CAS # 67-56-1
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Column:
30m x 0.25mm x 0.25µm
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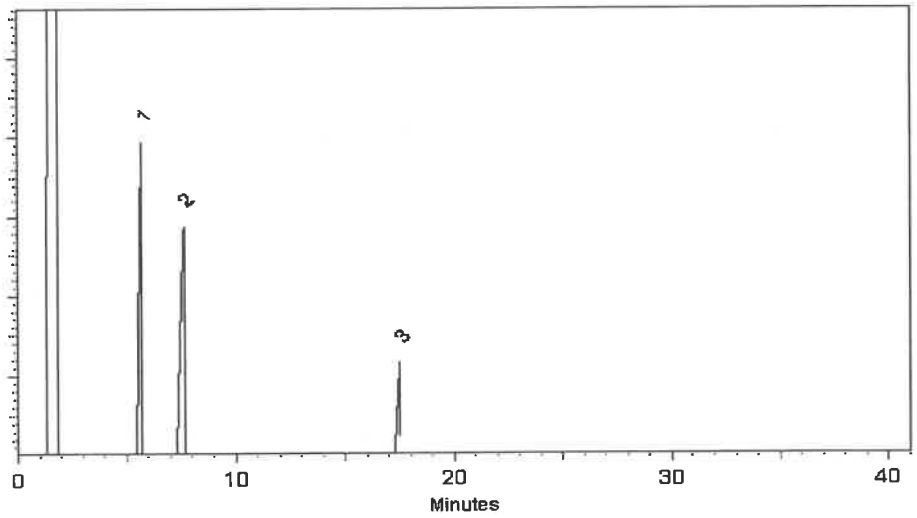
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250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

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)
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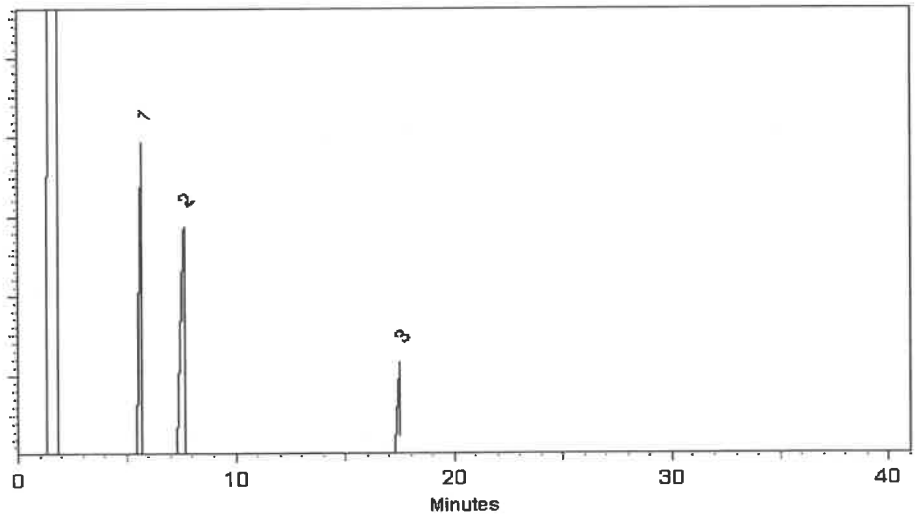
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Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

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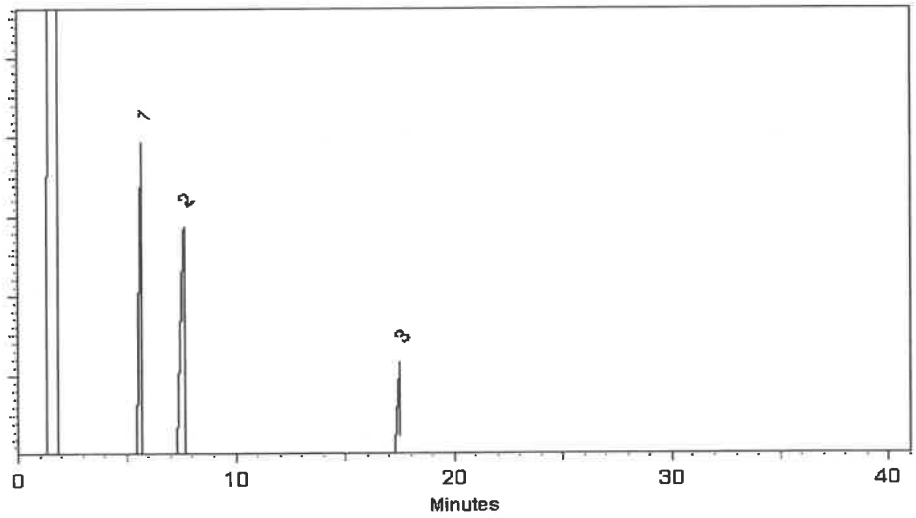
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Det. Type:
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Inj. Vol
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Christie Mills - Operations Lead Tech - ARM QC

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Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

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
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Solvent: Methanol
CAS # 67-56-1
Purity 99%

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Column:
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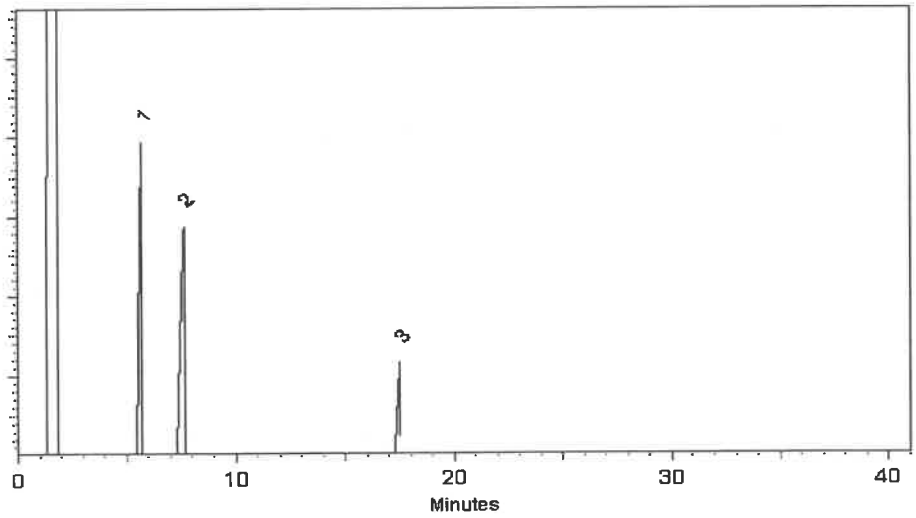
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

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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.)

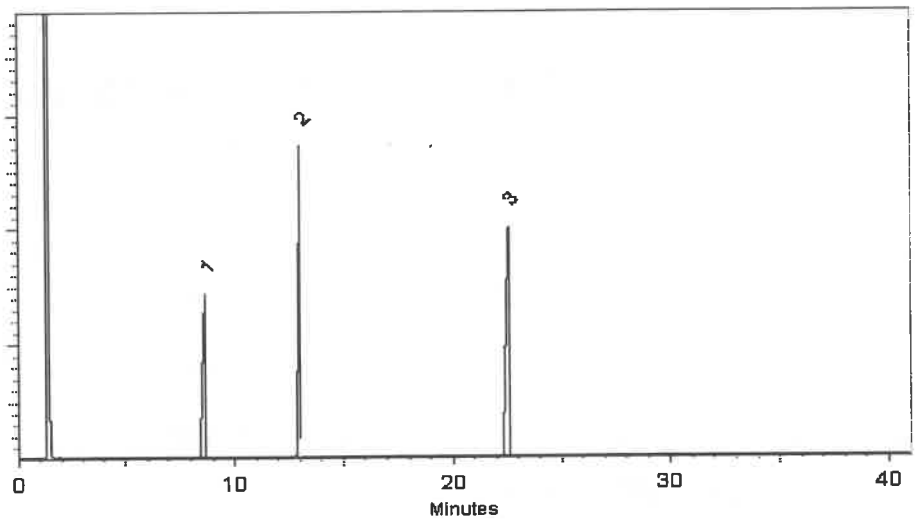
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 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.)

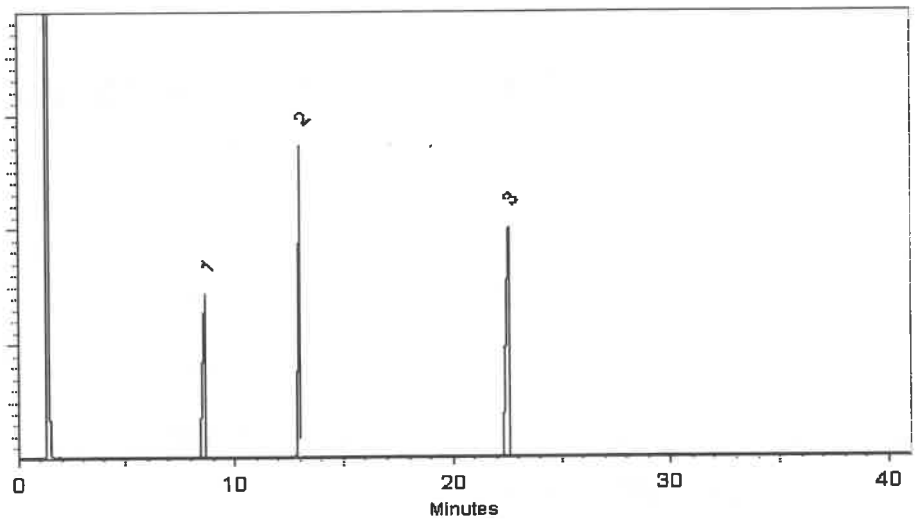
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

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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)
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* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
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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
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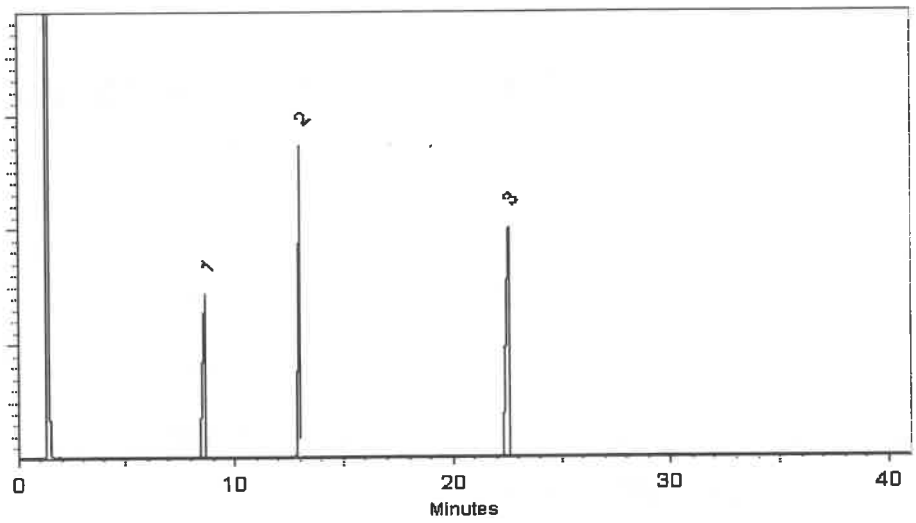
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250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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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)
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@ 10°C/min. (hold 10 min.)

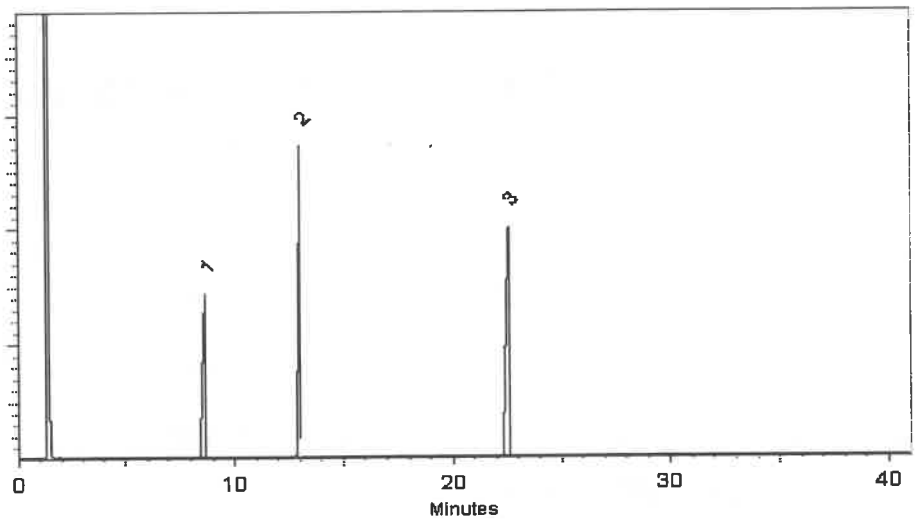
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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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
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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

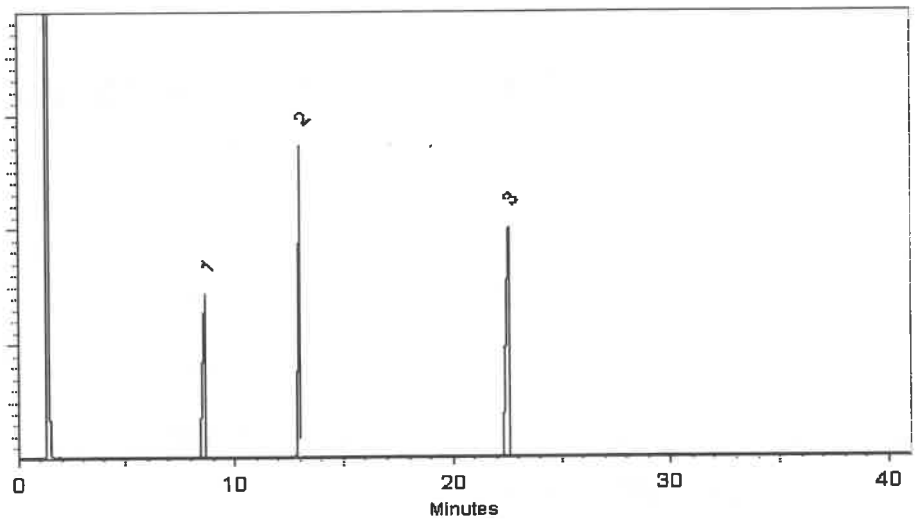
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2 ml/min.

Inj. Vol
1µl



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Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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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)
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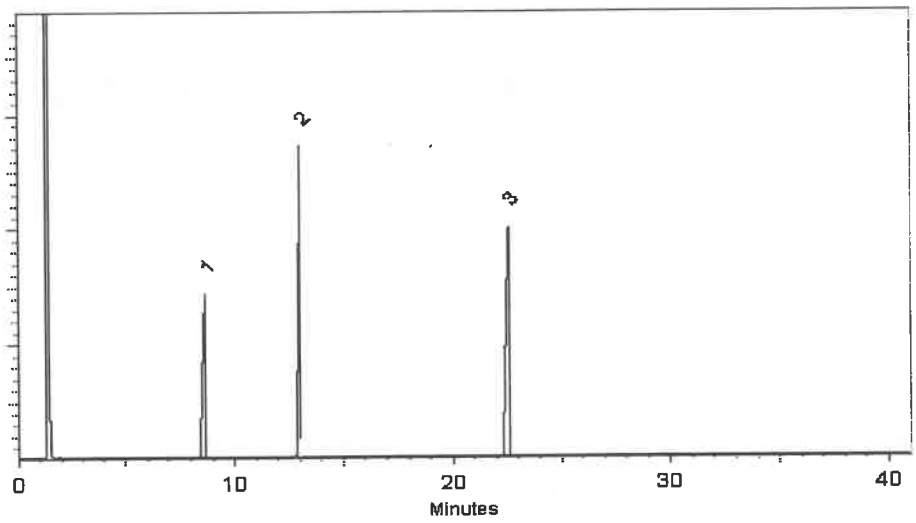
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Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Certificate of Analysis

chromatographic plus

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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

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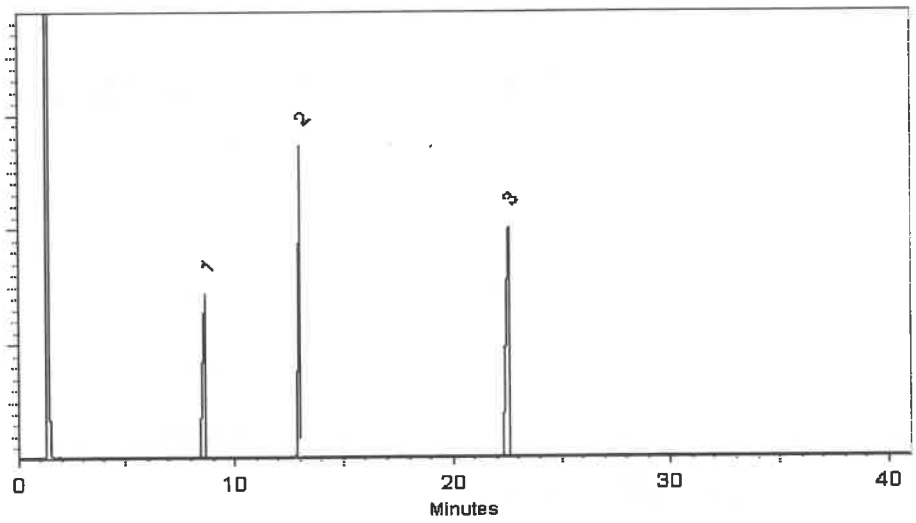
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Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

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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

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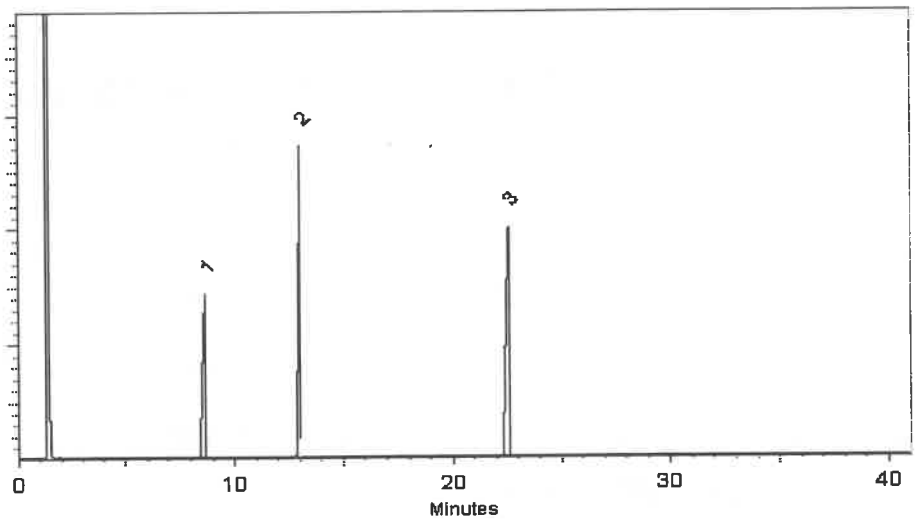
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Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

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

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

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(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	520963	≤ -10 °C	Methylene Chloride	10/10/2028	Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acenaphthene	83-32-9	99.9	13.1.5P	1010 ± 9.89
acenaphthylene	208-96-8	97.6	14.290.1P	1014 ± 9.93
aniline	62-53-3	99.97	64.1.4P	1001 ± 9.8
anthracene	120-12-7	99.5	15.7.1P	999.6 ± 9.79
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 9.8
benzo[a]anthracene	56-55-3	100	16.7.3P	1007 ± 9.86
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1011 ± 14.11
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 10.96
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 13.95
benzo[a]pyrene	50-32-8	97	20.286.2P	999.9 ± 22.24
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 9.82
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	1000 ± 14.69
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1003 ± 13.89
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.15P	999.4 ± 14.68
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 9.8
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 17.03
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1.1P	1000 ± 13.85
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 16.79
carbazole	86-74-8	99.4	239.7.2P	1000 ± 9.8

S12270 ↓ S12274 } RC 05/24/24

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
4-chloroaniline	106-47-8	100	66.7.1P	1000 ± 9.79
4-chlorophenylphenyl ether	7005-72-3	98	37.158.2P	1001 ± 17.07
4-chloro-3-methylphenol	59-50-7	99	102.1.2P	1006 ± 17.16
2-chloronaphthalene	91-58-7	99.9	42.7.6P	1000 ± 9.79
2-chlorophenol	95-57-8	99.8	103.7.1P	1007 ± 13.96
chrysene	218-01-9	96	21.286.2P	998.4 ± 12.85
dibenz[a,h]anthracene	53-70-3	99.44	22.286.3P	1000 ± 9.74
dibenzofuran	132-64-9	100	67.7.2.1P	1002 ± 9.77
di-n-butyl phthalate	84-74-2	99.84	40.286.1P	1007 ± 24.48
1,2-dichlorobenzene	95-50-1	99.8	43.7.1P	1000 ± 9.79
1,3-dichlorobenzene	541-73-1	99.5	44.1.3P	999.4 ± 9.79
1,4-dichlorobenzene	106-46-7	99.9	45.29.2P	1000 ± 9.79
2,4-dichlorophenol	120-83-2	99.6	104.7.1.1P	1005 ± 13.93
diethyl phthalate	84-66-2	99.8	38.7.1P	1011 ± 14
2,4-dimethylphenol	105-67-9	99.6	105.7.1.1P	1009 ± 13.98
dimethyl phthalate	131-11-3	99.9	39.9.2P	996.5 ± 13.8
1,2-dinitrobenzene	528-29-0	99.86	86.7.3.1P	999.5 ± 9.75
1,3-dinitrobenzene	99-65-0	100	313.7.2P	998 ± 9.79
1,4-dinitrobenzene	100-25-4	100	907.7.1P	999.5 ± 9.8
2,4-dinitrophenol	51-28-5	99.9	106.1.6DP	1002 ± 13.89
2,4-dinitrotoluene	121-14-2	100	87.7.3P	999.8 ± 13.85
2,6-dinitrotoluene	606-20-2	99.4	88.7.2.1P	999.6 ± 13.85
di-n-octyl phthalate	117-84-0	99.1	41.7.5P	991.6 ± 13.74
diphenylamine	122-39-4	100	78.1.6P	998 ± 13.79
2,3,5,6-tetrachlorophenol	935-95-5	97	1112.286.1P	1004 ± 14.02
fluoranthene	206-44-0	98.6	23.7.4P	999.6 ± 9.79
fluorene	86-73-7	98.4	24.7.1P	999.7 ± 9.79

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

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Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
hexachlorobenzene	118-74-1	99	46.158.4P	999.9 ± 13.96
hexachlorobutadiene	87-68-3	97.4	47.1.4P	1000 ± 9.79
hexachlorocyclopentadiene	77-47-4	99.2	48.2.2P	1001 ± 9.8
hexachloroethane	67-72-1	99.9	49.1.4P	1003 ± 9.82
indeno[1,2,3-cd]pyrene	193-39-5	98	25.286.4P	999.4 ± 22.23
isophorone	78-59-1	98.9	90.1.4P	999.9 ± 13.85
2-methyl-4,6-dinitrophenol	534-52-1	99.6	107.421.2DP	991 ± 24.09
1-methylnaphthalene	90-12-0	97.1	249.7.5P	999.2 ± 13.95
2-methylnaphthalene	91-57-6	97.4	68.7.2P	1006 ± 22.38
2-methylphenol	95-48-7	99.6	114.7.3P	1001 ± 13.87
3-methylphenol	108-39-4	99.1	115.7.4P	499.7 ± 6.92
4-methylphenol	106-44-5	99.5	116.7.1P	501.2 ± 6.94
naphthalene	91-20-3	99.8	26.9.1P	1018 ± 9.97
2-nitroaniline	88-74-4	99.7	69.29.1P	999.6 ± 9.79
3-nitroaniline	99-09-2	100	70.7.3P	1000 ± 9.74
4-nitroaniline	100-01-6	99.7	71.29.1P	1001 ± 9.8
nitrobenzene	98-95-3	100	94.7.1P	1000 ± 13.85
2-nitrophenol	88-75-5	99.1	108.29.1P	996.5 ± 13.81
4-nitrophenol	100-02-7	100	109.7.1P	1000 ± 13.82
N-nitrosodimethylamine	62-75-9	99.5	57.3.19P	998.5 ± 14.67
N-nitrosodi-n-propylamine	621-64-7	99.8	59.286.1P	996.8 ± 17
pentachlorophenol	87-86-5	99	110.1.7P	1004 ± 13.92
phenanthrene	85-01-8	99.7	27.1.5P	999 ± 12.87
phenol	108-95-2	100	112.7.1P	998.5 ± 13.8
pyrene	129-00-0	99.2	28.9.2P	998.9 ± 9.78
pyridine	110-86-1	100	101.24.1P	999 ± 9.73
2,3,4,6-Tetrachlorophenol	58-90-2	91.8	120.421.1P	996.5 ± 13.92

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

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Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2,4-trichlorobenzene	120-82-1	99.6	54.29.1P	999.6 ± 9.79
2,4,5-trichlorophenol	95-95-4	96.5	121.7.1.1P	999.5 ± 13.85
2,4,6-trichlorophenol	88-06-2	99.6	113.7.1P	996 ± 13.8

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Kerry Kane
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Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

S12275 ↓ S12279 } RC/ 05/24/24

*Not a certified value

Certified By: S. Hunter

Scott Hunter
Chemist

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

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- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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Purity Notes:

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- 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:

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  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:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ 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.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31615 **Lot No.:** A0212955

Description : GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2027 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,004.5 µg/mL	+/- 44.8902
2	DFTPP (Decafluorotriphenylphosphine)	5074-71-5	Q117-147	99%	1,004.5 µg/mL	+/- 44.8902
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 44.9572
4	4,4'-DDT	50-29-3	S240530RSR	97%	1,000.1 µg/mL	+/- 44.6922

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12577 ↓ S12579 } RC 8/2/24

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

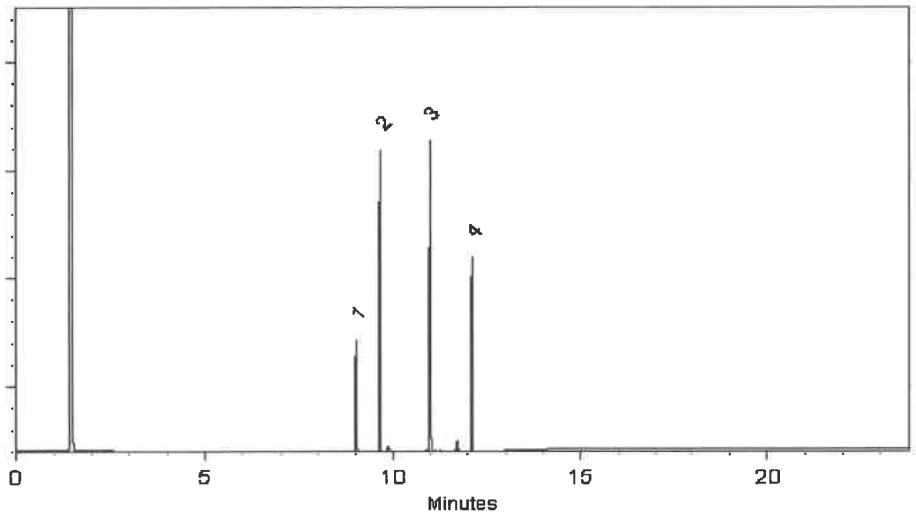
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 19-Jun-2024 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 26-Jun-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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CERTIFIED REFERENCE MATERIAL

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Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **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%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645 ↓ S12674 AC 10/1/24

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Certificate of Analysis

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **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%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645 ↓ S12674 AC 10/1/24

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110816-01	414127	≤-10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
atrazine	1912-24-9	99.5	337.7.3P	997 ± 5.81
benzidine	92-87-5	99.9	124.18.6.2P	991.8 ± 5.77
caprolactam	105-60-2	99.9	271.1.6P	999 ± 5.82

S12280 → S12284 RCI 05/24/24

New numbers Generated.

S12790 → S12794 RCI 11/12/24

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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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.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

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%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
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	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* 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.

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Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

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%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
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	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
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2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
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	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* 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.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010074-07	525551	-18°C +/- 4°C	Methylene Chloride	9/3/2029	3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
3,3'-dichlorobenzidine	91-94-1	97.9	74.421.2P	994.7 ± 30.56

This RM is intended for use as a calibration standard or a quality control standard for chromatography equipment such as GC, GC/MS, HPLC, and HPLC/MS. It may also be used for various USEPA, NIOSH and ASTM methods.

Recommended storage container for ampuled products after opening is a 12 mm x 32 mm amber vial with screw cap Teflon lined silicon septum. The modeled % change per day can be calculated using the following:

$$\% \text{ Change} = 116192x^{-2.578} + 40.383e^{-0.03y}$$

where x = boiling point of the most volatile analyte in the mix (in degrees K)
y = boiling point of the solvent (in degrees K)

This model assumes the container is stored at -10 °C and is unopened during storage. The user should determine what the acceptable error for their process is and calculate the maximum number of days the opened ampule should be stored. The minimum sample size recommended for use is 1µL.

S13078 ↓ S13087 } AC 3/10/25

Manufactured by

Raevyn Steele
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

*Not a certified valu

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555871 **Lot No.:** A0226283

Description : Custom 4-Nitrophenol Standard

Custom 4-Nitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

S13158 ↓ S13167 } RC/ 6/4/25

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	4-Nitrophenol	100-02-7	20241120-1-AN	99%	25,192.0 µg/mL	+/- 783.0517

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Morgan Craighead - Mix Technician

Date Mixed: 02-Jun-2025 **Balance:** C322230531

REVIEWED

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555869 **Lot No.:** A0201702

Description : Custom Hexachlorocyclopentadiene Standard

Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol, 1mL/ampul

513148 ↓ 513157 RC 11/13/23

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	25,244.0 µg/mL	+/- 450.6896

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Brittany Federinko - Operations Tech I

Date Mixed: 05-Sep-2023 **Balance:** B707717271

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q2230
COC Number 2046500

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: CDM Smith Inc.
ADDRESS: 110 Fieldcrest Ave. #8 6th Floor
CITY Edison STATE: NJ ZIP: 08837
ATTENTION: M. Encinas
PHONE: 732 590-4679 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: UTEN UST
PROJECT NO.: LOCATION: Mt. Vernon, NY
PROJECT MANAGER: M. Encinas
e-mail: EncinasMA@cdmsmith.com
PHONE: 732 590 4679 FAX:

CLIENT BILLING INFORMATION

BILL TO: CDM Smith PO#:
ADDRESS: 110 Fieldcrest Ave #8 6th Floor
CITY Edison STATE: NJ ZIP: 08837
ATTENTION: M Encinas PHONE: 732 590 4679

DATA TURNAROUND INFORMATION

FAX (RUSH) (5) DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☑ NYS ASP B
☐ Other
☐ EDD FORMAT

ANALYSIS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	FB 060425	Aq		✓	6/4/25	1130	3	✓	✓								CP-51 Target VOC and SVOC
2.	GW MW01 060425	Aq		✓	"	1305	9	✓	✓								MS MSD
3.	GW MW 901 060425	Aq		✓	"	1305	3	✓	✓								
4.	TB 060425	Aq		✓	6/2/25		2	✓									CP51 Target 3 VOC
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

PRESERVATIVES: A-HCl, E-ICE

COMMENTS: ← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1.	6/4/25 1405	1.	6.4.25 1405
2.		2.	
3.	6.4.25 1830	3.	

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.0 °C
Comments:

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2230 CAMP02
Client Name : CDM Smith
Client Contact : Marcie Ann Encinas
Invoice Name : CDM Smith
Invoice Contact : Marcie Ann Encinas

Order Date : 6/4/2025 4:40:00 PM
Project Name : Con Ed UTEN Mount Vern
Receive DateTime : 6/4/2025 ~~12:00:00~~ 18:30 AM
Purchase Order :

Project Mgr :
Report Type : NYS ASP B
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2230-01	FB-060425	Water	06/04/2025	11:30					
					VOCMS Group3		8260-Low		5 Bus. Days
Q2230-02	GW-MW01-060425	Water	06/04/2025	13:05					
					VOCMS Group3		8260-Low		5 Bus. Days
Q2230-03	Q2230-02MS	Water	06/04/2025	13:05					
					VOCMS Group3		8260-Low		5 Bus. Days
Q2230-04	Q2230-02MSD	Water	06/04/2025	13:05					
					VOCMS Group3		8260-Low		5 Bus. Days
Q2230-05	GW-MW901-060425	Water	06/04/2025	13:05					
					VOCMS Group3		8260-Low		5 Bus. Days
Q2230-06	TB060425	Water	06/04/2025	00:00					
					VOCMS Group3		8260-Low		5 Bus. Days

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2230 CAMP02
Client Name : CDM Smith
Client Contact : Marcie Ann Encinas
Invoice Name : CDM Smith
Invoice Contact : Marcie Ann Encinas

Order Date : 6/4/2025 4:40:00 PM
Project Name : Con Ed UTEN Mount Vern
Receive DateTime : 6/4/2025 ~~12:00:00~~ 18:30 AM
Purchase Order :

Project Mgr :
Report Type : NYS ASP B
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By : _____
Date / Time : 6/5/25 1020

Received By : _____
Date / Time : 6/05/25 10:12

Storage Area : VOA Refridgerator Room