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

SEMI-VOLATILE ORGANICS

PROJECT NAME : RAYMARK SUPERFUND SITE

NOBIS GROUP

585 Middlesex Street

Lowell, MA - 01851

Phone No: 978-683-0891

ORDER ID : Q1883

ATTENTION : Adam Roy

Laboratory Certification ID # 20012

Table Of Contents for Q1883

1) SEMI-VOLATILE DATA 2
2) Signature Page 4
3) Case Narrative 5
4) Qualifier Page 7
5) Conformance/Non Conformance 8
6) QA Checklist 10
7) Chronicle 11
8) Hit Summary 12
9) QC Data Summary For SVOCMS Group3 13
9.1) Deuterated Monitoring Compound Summary 14
9.2) MS/MSD Summary 16
9.3) LCS/LCSD Summary 22
9.4) Method Blank Summary 24
9.5) GS/MS Tune Summary 26
9.6) Internal Standard Area and RT Summary 32
10) Sample Data 40
10.1) OU4-PCS-TC-27-042325 41
10.2) OU4-PCS-TC-28-042325 52
10.3) OU4-PCS-TC-29-042325 63
10.4) OU4-PCS-TC-29-042325RX 74
10.5) OU4-PCS-TC-30-042325 84
10.6) OU4-PCS-TC-31-042325 95
10.7) OU4-PCS-TC-32-042325 106
10.8) OU4-VSL-18-042325 117
10.9) OU4-VSL-19-042325 128
11) Calibration Data Summary 139
11.1) Initial Calibration Data 3
11.1.1) BM042825 140
11.1.2) BP041425 556
11.2) Continued Calibration Data 965
11.2.1) BM050042.D 965
11.2.2) BM050052.D 1022
11.2.3) BM050054.D 1079
11.2.4) BM050060.D 1136
11.2.5) BP024522.D 1193

11.2.6) BP024538.D 1249

11.2.7) BP024558.D 1305

11.2.8) BP024566.D 1361

12) QC Sample Data 1417

12.1) Tune Raw Data 1418

12.2) Method Blank Data 1442

12.3) LCS Data 1463

12.4) MS Data 1566

12.5) MSD Data 1669

13) Manual Integration 1772

14) Analytical Runlogs 1778

15) Percent Solid 1790

16) Extraction Logs 1796

16.1) PB167767.pdf 1796

16.2) PB167767IC.pdf 1798

16.3) PB167836.pdf 1799

16.4) PB167836IC.pdf 1802

17) Standard Prep Logs 1803

18) Shipping Document 1976

18.1) Chain Of Custody 1977

18.2) Lab Certificate 1978

18.3) Internal COC 1979

19) Not Reviewed Data 1981

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Cover Page

Order ID : Q1883

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number	Client Sample Number
Q1883-01	OU4-PCS-TC-27-042325
Q1883-02	OU4-PCS-TC-27-042325
Q1883-03	OU4-PCS-TC-28-042325
Q1883-04	OU4-PCS-TC-28-042325
Q1883-05	OU4-PCS-TC-29-042325
Q1883-06	OU4-PCS-TC-29-042325
Q1883-07	OU4-PCS-TC-30-042325
Q1883-08	OU4-PCS-TC-30-042325
Q1883-09	OU4-PCS-TC-31-042325
Q1883-10	OU4-PCS-TC-31-042325
Q1883-11	OU4-PCS-TC-32-042325
Q1883-12	OU4-PCS-TC-32-042325
Q1883-13	OU4-VSL-18-042325
Q1883-14	OU4-VSL-18-042325
Q1883-15	OU4-VSL-19-042325
Q1883-16	OU4-VSL-19-042325
Q1883-17	SO-TB-01-042325

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

Signature : APPROVED
By Nimisha Pandya, QA/QC Supervisor at 9:55 am, May 09, 2025

Date: 5/9/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Nobis Group
Project Name: Raymark Superfund Site
Project # N/A
Order ID # Q1883
Test Name: SVOCMS Group3

A. Number of Samples and Date of Receipt:
17 Solid samples were received on 04/25/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Cyanide, Herbicide Group1, Mercury, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, SPLP Extraction, SPLP Mercury, SPLP MetalGroup3, SVOCMS Group3, VOCMS Group1 and VOCMS Group3. This data package contains results for SVOCMS Group3.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_M using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe 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 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for OU4-PCS-TC-27-042325 [Terphenyl-d14 - 51%], OU4-PCS-TC-30-042325 [Terphenyl-d14 - 52%], OU4-VSL-18-042325 [Terphenyl-d14 - 52%], COMP-2MS [Terphenyl-d14 - 43%], COMP-2MSD [Terphenyl-d14 - 45%], MH-QMS [Terphenyl-d14 - 48%], MH-QMSD [Terphenyl-d14 - 48%],as per method one acid and one base surrogate allow to fail therefore no corrective action taken, OU4-PCS-TC-29-042325 [2-Fluorobiphenyl - 41%, Terphenyl-d14 - 45%], OU4-PCS-TC-29-042325RX [2-Fluorobiphenyl - 36%, Nitrobenzene-d5 - 36%, Terphenyl-d14 - 36%], The sample was reanalyzed to confirm Surrogate failure, both run were reported in Hard Copy.

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 .

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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:
As per special requirement for this project form-1 and Hit Summary are reported in mg/kg.
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.
The not QT review data is reported in the Miscellaneous.
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: Q1883 MATRIX: Solid

METHOD: 8270E/3541

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications. DFTPP Meet Criteria. (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements.			✓
	The Initial Calibration met the requirements . The Continuous Calibration met the requirements .			
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria		✓	
	If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			
	The Surrogate recoveries met the acceptable criteria except for OU4-PCS-TC-27-042325 [Terphenyl-d14 - 51%], OU4-PCS-TC-30-042325 [Terphenyl-d14 - 52%], OU4-VSL-18-042325 [Terphenyl-d14 - 52%], COMP-2MS [Terphenyl-d14 - 43%], COMP-2MSD [Terphenyl-d14 - 45%], MH-QMS [Terphenyl-d14 - 48%], MH-QMSD [Terphenyl-d14 - 48%],as per method one acid and one base surrogate allow to fail therefore no corrective action taken, OU4-PCS-TC-29-042325 [2-Fluorobiphenyl - 41%, Terphenyl-d14 - 45%], OU4-PCS-TC-29-042325RX [2-Fluorobiphenyl - 36%, Nitrobenzene-d5 - 36%, Terphenyl-d14 - 36%], The sample was reanalyzed to confirm Surrogate failure, both run were reported in Hard Copy.			

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

		NA	NO	YES
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The Blank Spike met requirements for all 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:

As per special requirement for this project form-1 and Hit Summary are reported in mg/kg.

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

The not QT review data is reported in the Miscellaneous.

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

REVIEWED
By Sohil Jodhani, QA/QC Director at 9:49 am, May 09, 2025

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1883

	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:** 05/09/2025

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LAB CHRONICLE

OrderID:	Q1883	**OrderDate:**	4/25/2025 10:10:00 AM
Client:	Nobis Group	**Project:**	Raymark Superfund Site
Contact:	Adam Roy	**Location:**	L41,L51,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1883-01	**OU4-PCS-TC-27-042325**	**SOIL**			**04/23/25**			**04/25/25**
			SVOCMS Group3	8270E		04/28/25	04/30/25	
Q1883-03	**OU4-PCS-TC-28-042325**	**SOIL**			**04/23/25**			**04/25/25**
			SVOCMS Group3	8270E		04/28/25	04/30/25	
Q1883-05	**OU4-PCS-TC-29-042325**	**SOIL**			**04/23/25**			**04/25/25**
			SVOCMS Group3	8270E		04/28/25	04/30/25	
Q1883-05RX	**OU4-PCS-TC-29-042325RX**	**SOIL**			**04/23/25**			**04/25/25**
			SVOCMS Group3	8270E		05/02/25	05/05/25	
Q1883-07	**OU4-PCS-TC-30-042325**	**SOIL**			**04/23/25**			**04/25/25**
			SVOCMS Group3	8270E		04/28/25	04/30/25	
Q1883-09	**OU4-PCS-TC-31-042325**	**SOIL**			**04/23/25**			**04/25/25**
			SVOCMS Group3	8270E		04/28/25	04/30/25	
Q1883-11	**OU4-PCS-TC-32-042325**	**SOIL**			**04/23/25**			**04/25/25**
			SVOCMS Group3	8270E		04/28/25	04/30/25	
Q1883-13	**OU4-VSL-18-042325**	**SOIL**			**04/23/25**			**04/25/25**
			SVOCMS Group3	8270E		04/28/25	04/30/25	
Q1883-15	**OU4-VSL-19-042325**	**SOIL**			**04/23/25**			**04/25/25**
			SVOCMS Group3	8270E		04/28/25	05/01/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1883

Client: Nobis Group

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID :									
				0.000					
			Total Svoc :		**0.00**				
			Total Concentration:		**0.00**				

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q1883

Client: Nobis Group

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	High
PB167767BL	PB167767BL	Nitrobenzene-d5	100	82.3	82		37	122
		2-Fluorobiphenyl	100	80.5	81		44	115
		Terphenyl-d14	100	95.0	95		54	127
PB167767BS	PB167767BS	Nitrobenzene-d5	100	82.1	82		37	122
		2-Fluorobiphenyl	100	82.1	82		44	115
		Terphenyl-d14	100	84.5	84		54	127
Q1883-01	OU4-PCS-TC-27-042325	Nitrobenzene-d5	100	48.8	49		37	122
		2-Fluorobiphenyl	100	45.4	45		44	115
		Terphenyl-d14	100	51.0	51	*	54	127
Q1883-03	OU4-PCS-TC-28-042325	Nitrobenzene-d5	100	77.5	77		37	122
		2-Fluorobiphenyl	100	77.4	77		44	115
		Terphenyl-d14	100	91.0	91		54	127
Q1883-05	OU4-PCS-TC-29-042325	Nitrobenzene-d5	100	42.3	42		37	122
		2-Fluorobiphenyl	100	40.7	41	*	44	115
		Terphenyl-d14	100	45.3	45	*	54	127
Q1883-07	OU4-PCS-TC-30-042325	Nitrobenzene-d5	100	46.5	46		37	122
		2-Fluorobiphenyl	100	45.6	46		44	115
		Terphenyl-d14	100	52.5	52	*	54	127
Q1883-09	OU4-PCS-TC-31-042325	Nitrobenzene-d5	100	86.9	87		37	122
		2-Fluorobiphenyl	100	85.4	85		44	115
		Terphenyl-d14	100	102	102		54	127
Q1883-11	OU4-PCS-TC-32-042325	Nitrobenzene-d5	100	52.1	52		37	122
		2-Fluorobiphenyl	100	51.0	51		44	115
		Terphenyl-d14	100	58.9	59		54	127
Q1883-13	OU4-VSL-18-042325	Nitrobenzene-d5	100	49.2	49		37	122
		2-Fluorobiphenyl	100	46.7	47		44	115
		Terphenyl-d14	100	52.0	52	*	54	127
Q1883-15	OU4-VSL-19-042325	Nitrobenzene-d5	100	74.5	75		37	122
		2-Fluorobiphenyl	100	72.4	72		44	115
		Terphenyl-d14	100	85.1	85		54	127
Q1889-02MS	COMP-2MS	Nitrobenzene-d5	100	48.4	48		37	122
		2-Fluorobiphenyl	100	44.7	45		44	115
		Terphenyl-d14	100	43.4	43	*	54	127
Q1889-02MSD	COMP-2MSD	Nitrobenzene-d5	100	48.9	49		37	122
		2-Fluorobiphenyl	100	45.8	46		44	115
		Terphenyl-d14	100	44.9	45	*	54	127

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Surrogate Summary

SW-846

SDG No.: Q1883

Client: Nobis Group

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167836BL	PB167836BL	Nitrobenzene-d5	100	94.3	94		37	122
		2-Fluorobiphenyl	100	99.2	99		44	115
		Terphenyl-d14	100	99.2	99		54	127
PB167836BS	PB167836BS	Nitrobenzene-d5	100	84.0	84		37	122
		2-Fluorobiphenyl	100	83.8	84		44	115
		Terphenyl-d14	100	87.7	88		54	127
Q1883-05RX	OU4-PCS-TC-29-042325RX	Nitrobenzene-d5	100	35.9	36	*	37	122
		2-Fluorobiphenyl	100	36.5	36	*	44	115
		Terphenyl-d14	100	36.4	36	*	54	127
Q1928-01MS	MH-QMS	Nitrobenzene-d5	100	50.3	50		37	122
		2-Fluorobiphenyl	100	44.8	45		44	115
		Terphenyl-d14	100	48.4	48	*	54	127
Q1928-01MSD	MH-QMSD	Nitrobenzene-d5	100	50.4	50		37	122
		2-Fluorobiphenyl	100	44.9	45		44	115
		Terphenyl-d14	100	48.1	48	*	54	127

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1883

Client: Nobis Group

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1889-02MS		**Client Sample ID: COMP-2MS**						**DataFile: BM050050.D**			
Naphthalene	2100	0	1500	ug/Kg	71				35	123	
2-Methylnaphthalene	2100	0	1500	ug/Kg	71				38	122	
Acenaphthylene	2100	0	1500	ug/Kg	71				32	132	
Acenaphthene	2100	0	1500	ug/Kg	71				40	123	
Fluorene	2100	0	1500	ug/Kg	71				43	125	
Phenanthrene	2100	0	1600	ug/Kg	76				50	121	
Anthracene	2100	0	1500	ug/Kg	71				47	123	
Fluoranthene	2100	0	1500	ug/Kg	71				50	127	
Pyrene	2100	0	1500	ug/Kg	71				47	127	
Benzo(a)anthracene	2100	0	1500	ug/Kg	71				49	126	
Chrysene	2100	0	1500	ug/Kg	71				50	124	
Benzo(b)fluoranthene	2100	0	1500	ug/Kg	71				45	132	
Benzo(k)fluoranthene	2100	0	1500	ug/Kg	71				47	132	
Benzo(a)pyrene	2100	0	1500	ug/Kg	71				45	129	
Indeno(1,2,3-cd)pyrene	2100	0	1600	ug/Kg	76				45	133	
Dibenz(a,h)anthracene	2100	0	1700	ug/Kg	81				45	134	
Benzo(g,h,i)perylene	2100	0	1700	ug/Kg	81				43	134	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1883

Client: Nobis Group

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1889-02MSD		**Client Sample ID: COMP-2MSD**						**DataFile: BM050051.D**			
Naphthalene	2100	0	1500	ug/Kg	71		0		35	123	20
2-Methylnaphthalene	2100	0	1500	ug/Kg	71		0		38	122	20
Acenaphthylene	2100	0	1600	ug/Kg	76		7		32	132	20
Acenaphthene	2100	0	1600	ug/Kg	76		7		40	123	20
Fluorene	2100	0	1600	ug/Kg	76		7		43	125	20
Phenanthrene	2100	0	1600	ug/Kg	76		0		50	121	20
Anthracene	2100	0	1600	ug/Kg	76		7		47	123	20
Fluoranthene	2100	0	1500	ug/Kg	71		0		50	127	20
Pyrene	2100	0	1500	ug/Kg	71		0		47	127	20
Benzo(a)anthracene	2100	0	1600	ug/Kg	76		7		49	126	20
Chrysene	2100	0	1600	ug/Kg	76		7		50	124	20
Benzo(b)fluoranthene	2100	0	1500	ug/Kg	71		0		45	132	20
Benzo(k)fluoranthene	2100	0	1600	ug/Kg	76		7		47	132	20
Benzo(a)pyrene	2100	0	1600	ug/Kg	76		7		45	129	20
Indeno(1,2,3-cd)pyrene	2100	0	1700	ug/Kg	81		6		45	133	20
Dibenz(a,h)anthracene	2100	0	1700	ug/Kg	81		0		45	134	20
Benzo(g,h,i)perylene	2100	0	1700	ug/Kg	81		0		43	134	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1883

Client: Nobis Group

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1928-01MS		**Client Sample ID:** MH-QMS						**DataFile:**	BP024526.D		
Naphthalene	1100	0	1000	ug/Kg	91				35	123	
2-Methylnaphthalene	1100	0	920	ug/Kg	84				38	122	
Acenaphthylene	1100	0	1100	ug/Kg	100				32	132	
Acenaphthene	1100	0	1000	ug/Kg	91				40	123	
Fluorene	1100	0	1100	ug/Kg	100				43	125	
Phenanthrene	1100	0	1100	ug/Kg	100				50	121	
Anthracene	1100	0	1100	ug/Kg	100				47	123	
Fluoranthene	1100	0	1100	ug/Kg	100				50	127	
Pyrene	1100	0	1000	ug/Kg	91				47	127	
Benzo(a)anthracene	1100	0	1100	ug/Kg	100				49	126	
Chrysene	1100	0	1100	ug/Kg	100				50	124	
Benzo(b)fluoranthene	1100	0	1000	ug/Kg	91				45	132	
Benzo(k)fluoranthene	1100	0	1100	ug/Kg	100				47	132	
Benzo(a)pyrene	1100	0	1100	ug/Kg	100				45	129	
Indeno(1,2,3-cd)pyrene	1100	0	1100	ug/Kg	100				45	133	
Dibenz(a,h)anthracene	1100	0	1100	ug/Kg	100				45	134	
Benzo(g,h,i)perylene	1100	0	1100	ug/Kg	100				43	134	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1883

Client: Nobis Group

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1928-01MSD		**Client Sample ID:** MH-QMSD						**DataFile:** BP024527.D			
Naphthalene	1100	0	990	ug/Kg	90	1			35	123	20
2-Methylnaphthalene	1100	0	920	ug/Kg	84	0			38	122	20
Acenaphthylene	1100	0	1100	ug/Kg	100	0			32	132	20
Acenaphthene	1100	0	1000	ug/Kg	91	0			40	123	20
Fluorene	1100	0	1100	ug/Kg	100	0			43	125	20
Phenanthrene	1100	0	1100	ug/Kg	100	0			50	121	20
Anthracene	1100	0	1100	ug/Kg	100	0			47	123	20
Fluoranthene	1100	0	1100	ug/Kg	100	0			50	127	20
Pyrene	1100	0	1000	ug/Kg	91	0			47	127	20
Benzo(a)anthracene	1100	0	1100	ug/Kg	100	0			49	126	20
Chrysene	1100	0	1100	ug/Kg	100	0			50	124	20
Benzo(b)fluoranthene	1100	0	1100	ug/Kg	100	9			45	132	20
Benzo(k)fluoranthene	1100	0	1100	ug/Kg	100	0			47	132	20
Benzo(a)pyrene	1100	0	1200	ug/Kg	109	9			45	129	20
Indeno(1,2,3-cd)pyrene	1100	0	1200	ug/Kg	109	9			45	133	20
Dibenz(a,h)anthracene	1100	0	1100	ug/Kg	100	0			45	134	20
Benzo(g,h,i)perylene	1100	0	1100	ug/Kg	100	0			43	134	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1883

Client: Nobis Group

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1928-01MS		**Client Sample ID:** MH-QMS						**DataFile:** BP024561.D			
Naphthalene	1100	0	1000	ug/Kg	91				35	123	
2-Methylnaphthalene	1100	0	930	ug/Kg	85				38	122	
Acenaphthylene	1100	0	1100	ug/Kg	100				32	132	
Acenaphthene	1100	0	1000	ug/Kg	91				40	123	
Fluorene	1100	0	1100	ug/Kg	100				43	125	
Phenanthrene	1100	0	1100	ug/Kg	100				50	121	
Anthracene	1100	0	1100	ug/Kg	100				47	123	
Fluoranthene	1100	0	1100	ug/Kg	100				50	127	
Pyrene	1100	0	980	ug/Kg	89				47	127	
Benzo(a)anthracene	1100	0	1100	ug/Kg	100				49	126	
Chrysene	1100	0	1000	ug/Kg	91				50	124	
Benzo(b)fluoranthene	1100	0	1100	ug/Kg	100				45	132	
Benzo(k)fluoranthene	1100	0	1100	ug/Kg	100				47	132	
Benzo(a)pyrene	1100	0	1100	ug/Kg	100				45	129	
Indeno(1,2,3-cd)pyrene	1100	0	1100	ug/Kg	100				45	133	
Dibenz(a,h)anthracene	1100	0	1100	ug/Kg	100				45	134	
Benzo(g,h,i)perylene	1100	0	1100	ug/Kg	100				43	134	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1883

Client: Nobis Group

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1928-01MSD		**Client Sample ID: MH-QMSD**						**DataFile:**	**BP024562.D**		
Naphthalene	1100	0	1000	ug/Kg	91	0			35	123	20
2-Methylnaphthalene	1100	0	910	ug/Kg	83	2			38	122	20
Acenaphthylene	1100	0	1100	ug/Kg	100	0			32	132	20
Acenaphthene	1100	0	1000	ug/Kg	91	0			40	123	20
Fluorene	1100	0	1000	ug/Kg	91	9			43	125	20
Phenanthrene	1100	0	1000	ug/Kg	91	9			50	121	20
Anthracene	1100	0	1100	ug/Kg	100	0			47	123	20
Fluoranthene	1100	0	1100	ug/Kg	100	0			50	127	20
Pyrene	1100	0	1000	ug/Kg	91	2			47	127	20
Benzo(a)anthracene	1100	0	1100	ug/Kg	100	0			49	126	20
Chrysene	1100	0	1100	ug/Kg	100	9			50	124	20
Benzo(b)fluoranthene	1100	0	1100	ug/Kg	100	0			45	132	20
Benzo(k)fluoranthene	1100	0	1100	ug/Kg	100	0			47	132	20
Benzo(a)pyrene	1100	0	1200	ug/Kg	109	9			45	129	20
Indeno(1,2,3-cd)pyrene	1100	0	1200	ug/Kg	109	9			45	133	20
Dibenz(a,h)anthracene	1100	0	1200	ug/Kg	109	9			45	134	20
Benzo(g,h,i)perylene	1100	0	1100	ug/Kg	100	0			43	134	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1883

Client: Nobis Group

Analytical Method: 8270E **DataFile:** BM050056.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167767BS	Naphthalene	1700	1500	ug/Kg	88				35	123	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				38	122	
	Acenaphthylene	1700	1500	ug/Kg	88				32	132	
	Acenaphthene	1700	1500	ug/Kg	88				40	123	
	Fluorene	1700	1600	ug/Kg	94				43	125	
	Phenanthrene	1700	1600	ug/Kg	94				50	121	
	Anthracene	1700	1600	ug/Kg	94				47	123	
	Fluoranthene	1700	1500	ug/Kg	88				50	127	
	Pyrene	1700	1500	ug/Kg	88				47	127	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				49	126	
	Chrysene	1700	1600	ug/Kg	94				50	124	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				45	132	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				47	132	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				45	129	
	Indeno(1,2,3-cd)pyrene	1700	1700	ug/Kg	100				45	133	
	Dibenz(a,h)anthracene	1700	1700	ug/Kg	100				45	134	
	Benzo(g,h,i)perylene	1700	1700	ug/Kg	100				43	134	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1883

Client: Nobis Group

Analytical Method: 8270E **DataFile:** BP024524.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167836BS	Naphthalene	1700	1400	ug/Kg	82				35	123	
	2-Methylnaphthalene	1700	1200	ug/Kg	71				38	122	
	Acenaphthylene	1700	1500	ug/Kg	88				32	132	
	Acenaphthene	1700	1400	ug/Kg	82				40	123	
	Fluorene	1700	1400	ug/Kg	82				43	125	
	Phenanthrene	1700	1500	ug/Kg	88				50	121	
	Anthracene	1700	1600	ug/Kg	94				47	123	
	Fluoranthene	1700	1500	ug/Kg	88				50	127	
	Pyrene	1700	1400	ug/Kg	82				47	127	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				49	126	
	Chrysene	1700	1400	ug/Kg	82				50	124	
	Benzo(b)fluoranthene	1700	1400	ug/Kg	82				45	132	
	Benzo(k)fluoranthene	1700	1400	ug/Kg	82				47	132	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				45	129	
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				45	133	
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				45	134	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				43	134	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167767BL

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

Lab File ID: BM050055.D Lab Sample ID: PB167767BL

Instrument ID: BNA_M Date Extracted: 04/28/2025

Matrix: (soil/water) SOIL Date Analyzed: 04/30/2025

Level: (low/med) LOW Time Analyzed: 21:57

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167767BS	PB167767BS	BM050056.D	04/30/2025
OU4-PCS-TC-27-042325	Q1883-01	BM050044.D	04/30/2025
OU4-PCS-TC-28-042325	Q1883-03	BM050045.D	04/30/2025
OU4-PCS-TC-29-042325	Q1883-05	BM050046.D	04/30/2025
OU4-PCS-TC-30-042325	Q1883-07	BM050047.D	04/30/2025
OU4-PCS-TC-31-042325	Q1883-09	BM050048.D	04/30/2025
COMP-2MS	Q1889-02MS	BM050050.D	04/30/2025
COMP-2MSD	Q1889-02MSD	BM050051.D	04/30/2025
OU4-PCS-TC-32-042325	Q1883-11	BM050057.D	04/30/2025
OU4-VSL-18-042325	Q1883-13	BM050058.D	04/30/2025
OU4-VSL-19-042325	Q1883-15	BM050059.D	05/01/2025

COMMENTS:

Form IV SV

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167836BL

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

Lab File ID: BP024523.D Lab Sample ID: PB167836BL

Instrument ID: BNA_P Date Extracted: 05/02/2025

Matrix: (soil/water) SOIL Date Analyzed: 05/05/2025

Level: (low/med) LOW Time Analyzed: 13:18

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167836BS	PB167836BS	BP024524.D	05/05/2025
OU4-PCS-TC-29-042325RX	Q1883-05RX	BP024525.D	05/05/2025
MH-QMS	Q1928-01MS	BP024561.D	05/07/2025
MH-QMSD	Q1928-01MSD	BP024562.D	05/07/2025

COMMENTS:

Form IV SV

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM SAS No.: Q1883 SDG NO.: Q1883

Lab File ID: BM050023.D DFTPP Injection Date: 04/28/2025

Instrument ID: BNA_M DFTPP Injection Time: 11:46

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	23.8
68	Less than 2.0% of mass 69	0.4 (1.3) 1
69	Mass 69 relative abundance	28.5
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	35.7
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
275	10.0 - 60.0% of mass 198	26.2
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	11.6
442	Greater than 50% of mass 198	74.7
443	15.0 - 24.0% of mass 442	14.4 (19.3) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BM050024.D	04/28/2025	12:30
SSTDICC005	SSTDICC005	BM050025.D	04/28/2025	13:09
SSTDICC010	SSTDICC010	BM050026.D	04/28/2025	13:48
SSTDICC020	SSTDICC020	BM050027.D	04/28/2025	14:27
SSTDICCC040	SSTDICCC040	BM050028.D	04/28/2025	15:06
SSTDICC050	SSTDICC050	BM050029.D	04/28/2025	15:45
SSTDICC060	SSTDICC060	BM050030.D	04/28/2025	16:24
SSTDICC080	SSTDICC080	BM050031.D	04/28/2025	17:04

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM SAS No.: Q1883 SDG NO.: Q1883

Lab File ID: BM050041.D DFTPP Injection Date: 04/30/2025

Instrument ID: BNA_M DFTPP Injection Time: 10:14

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	22.7
68	Less than 2.0% of mass 69	0.4 (1.5) 1
69	Mass 69 relative abundance	27.1
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	34.3
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	26.5
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	12.2
442	Greater than 50% of mass 198	78.4
443	15.0 - 24.0% of mass 442	15.2 (19.4) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BM050042.D	04/30/2025	10:53
OU4-PCS-TC-27-042325	Q1883-01	BM050044.D	04/30/2025	14:07
OU4-PCS-TC-28-042325	Q1883-03	BM050045.D	04/30/2025	14:46
OU4-PCS-TC-29-042325	Q1883-05	BM050046.D	04/30/2025	15:25
OU4-PCS-TC-30-042325	Q1883-07	BM050047.D	04/30/2025	16:04
OU4-PCS-TC-31-042325	Q1883-09	BM050048.D	04/30/2025	16:44
COMP-2MS	Q1889-02MS	BM050050.D	04/30/2025	18:02
COMP-2MSD	Q1889-02MSD	BM050051.D	04/30/2025	18:41
SSTDCCC040EC	SSTDCCC040	BM050052.D	04/30/2025	19:20

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM SAS No.: Q1883 SDG NO.: Q1883

Lab File ID: BM050053.D DFTPP Injection Date: 04/30/2025

Instrument ID: BNA_M DFTPP Injection Time: 20:38

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	22.6
68	Less than 2.0% of mass 69	0.4 (1.5) 1
69	Mass 69 relative abundance	27.3
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	34.3
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	26.7
365	Greater than 1% of mass 198	4
441	Present, but less than mass 443	13.3
442	Greater than 50% of mass 198	84.6
443	15.0 - 24.0% of mass 442	16.6 (19.6) 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	BM050054.D	04/30/2025	21:18
PB167767BL	PB167767BL	BM050055.D	04/30/2025	21:57
PB167767BS	PB167767BS	BM050056.D	04/30/2025	22:36
OU4-PCS-TC-32-042325	Q1883-11	BM050057.D	04/30/2025	23:15
OU4-VSL-18-042325	Q1883-13	BM050058.D	04/30/2025	23:54
OU4-VSL-19-042325	Q1883-15	BM050059.D	05/01/2025	00:33
SSTDCCC040EC	SSTDCCC040	BM050060.D	05/01/2025	01:12

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM SAS No.: Q1883 SDG NO.: Q1883

Lab File ID: BP024274.D DFTPP Injection Date: 04/14/2025

Instrument ID: BNA_P DFTPP Injection Time: 10:25

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.4
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	36
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	48.5
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	29.1
365	Greater than 1% of mass 198	4.1
441	Present, but less than mass 443	15.2
442	Greater than 50% of mass 198	99.1
443	15.0 - 24.0% of mass 442	19.2 (19.4) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BP024275.D	04/14/2025	11:06
SSTDICC005	SSTDICC005	BP024276.D	04/14/2025	11:47
SSTDICC010	SSTDICC010	BP024277.D	04/14/2025	12:27
SSTDICC020	SSTDICC020	BP024278.D	04/14/2025	13:08
SSTDICCC040	SSTDICCC040	BP024279.D	04/14/2025	13:49
SSTDICC050	SSTDICC050	BP024280.D	04/14/2025	15:10
SSTDICC060	SSTDICC060	BP024281.D	04/14/2025	16:32
SSTDICC080	SSTDICC080	BP024282.D	04/14/2025	17:13

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM SAS No.: Q1883 SDG NO.: Q1883

Lab File ID: BP024521.D DFTPP Injection Date: 05/05/2025

Instrument ID: BNA_P DFTPP Injection Time: 11:57

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	20.8
68	Less than 2.0% of mass 69	0.2 (1.1) 1
69	Mass 69 relative abundance	23.1
70	Less than 2.0% of mass 69	0.1 (0.6) 1
127	10.0 - 80.0% of mass 198	33.6
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	5
275	10.0 - 60.0% of mass 198	24.4
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	15.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (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	BP024522.D	05/05/2025	12:38
PB167836BL	PB167836BL	BP024523.D	05/05/2025	13:18
PB167836BS	PB167836BS	BP024524.D	05/05/2025	13:59
OU4-PCS-TC-29-042325RX	Q1883-05RX	BP024525.D	05/05/2025	14:43
SSTDCCC040EC	SSTDCCC040	BP024538.D	05/05/2025	23:32

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: NOBI03

Lab Code: CHEM SAS No.: Q1883 SDG NO.: Q1883

Lab File ID: BP024557.D DFTPP Injection Date: 05/07/2025

Instrument ID: BNA_P DFTPP Injection Time: 09:28

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	20.5
68	Less than 2.0% of mass 69	0.4 (1.9) 1
69	Mass 69 relative abundance	22.9
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	33.9
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	5.1
275	10.0 - 60.0% of mass 198	24.4
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	15.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.5 (19.5) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP024558.D	05/07/2025	10:08
MH-QMS	Q1928-01MS	BP024561.D	05/07/2025	12:56
MH-QMSD	Q1928-01MSD	BP024562.D	05/07/2025	13:37
SSTDCCC040EC	SSTDCCC040	BP024566.D	05/07/2025	16:43

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/30/2025

Lab File ID: BM050042.D Time Analyzed: 10:53

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	265682	7.763	955212	10.56	612937	14.41
	UPPER LIMIT	531364	8.263	1910420	11.057	1225870	14.91
	LOWER LIMIT	132841	7.263	477606	10.057	306469	13.91
	EPA SAMPLE NO.						
01	OU4-PCS-TC-27-042325	277063	7.76	941412	10.56	630217	14.42
02	OU4-PCS-TC-28-042325	255861	7.76	900438	10.56	601047	14.41
03	OU4-PCS-TC-29-042325	272947	7.76	944491	10.56	645043	14.41
04	OU4-PCS-TC-30-042325	260024	7.76	900861	10.56	611222	14.41
05	OU4-PCS-TC-31-042325	239985	7.76	850535	10.56	585821	14.41
06	COMP-2MS	260053	7.76	924881	10.56	580714	14.41
07	COMP-2MSD	268621	7.76	952202	10.56	594823	14.40

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/30/2025

Lab File ID: BM050042.D Time Analyzed: 10:53

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1168550	17.157	1113700	21.398	1051340	24.397
	UPPER LIMIT	2337100	17.657	2227400	21.898	2102680	24.897
	LOWER LIMIT	584275	16.657	556850	20.898	525670	23.897
	EPA SAMPLE NO.						
01	OU4-PCS-TC-27-042325	1199210	17.16	1136130	21.40	1183000	24.40
02	OU4-PCS-TC-28-042325	1156790	17.16	1062350	21.40	1116270	24.40
03	OU4-PCS-TC-29-042325	1218690	17.16	1127980	21.40	1211890	24.40
04	OU4-PCS-TC-30-042325	1203960	17.16	1120360	21.40	1185640	24.40
05	OU4-PCS-TC-31-042325	1150760	17.16	1103350	21.40	1198600	24.40
06	COMP-2MS	1072390	17.15	1080300	21.39	1082310	24.39
07	COMP-2MSD	1087320	17.15	1064600	21.39	1079590	24.39

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/30/2025

Lab File ID: BM050054.D Time Analyzed: 21:18

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	250618	7.763	921090	10.56	604340	14.40
	UPPER LIMIT	501236	8.263	1842180	11.057	1208680	14.904
	LOWER LIMIT	125309	7.263	460545	10.057	302170	13.904
	EPA SAMPLE NO.						
01	PB167767BL	259374	7.76	884512	10.56	572177	14.41
02	PB167767BS	260866	7.76	920346	10.56	574035	14.40
03	OU4-PCS-TC-32-042325	255652	7.76	890304	10.56	608919	14.41
04	OU4-VSL-18-042325	244720	7.76	862862	10.56	592525	14.41
05	OU4-VSL-19-042325	245309	7.76	863965	10.56	585954	14.41

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/30/2025

Lab File ID: BM050054.D Time Analyzed: 21:18

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1166690	17.151	1168650	21.392	1090580	24.391
	UPPER LIMIT	2333380	17.651	2337300	21.892	2181160	24.891
	LOWER LIMIT	583345	16.651	584325	20.892	545290	23.891
	EPA SAMPLE NO.						
01	PB167767BL	1034360	17.16	891779	21.40	972695	24.40
02	PB167767BS	1043100	17.15	1009740	21.39	991820	24.39
03	OU4-PCS-TC-32-042325	1189550	17.16	1147890	21.39	1234590	24.39
04	OU4-VSL-18-042325	1178650	17.16	1117970	21.39	1185660	24.39
05	OU4-VSL-19-042325	1150820	17.16	1075490	21.39	1146740	24.39

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

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

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* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/05/2025

Lab File ID: BP024522.D Time Analyzed: 12:38

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	132437	7.705	539349	10.48	358648	14.34
	UPPER LIMIT	264874	8.205	1078700	10.975	717296	14.84
	LOWER LIMIT	66218.5	7.205	269675	9.975	179324	13.84
	EPA SAMPLE NO.						
01	PB167836BL	168020	7.71	650487	10.48	387013	14.34
02	PB167836BS	155374	7.71	617500	10.48	391114	14.34
03	OU4-PCS-TC-29-042325RX	151485	7.71	587533	10.48	359059	14.33

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/05/2025

Lab File ID: BP024522.D Time Analyzed: 12:38

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	715330	17.151	882732	21.604	1072390	24.927
	UPPER LIMIT	1430660	17.651	1765460	22.104	2144780	25.427
	LOWER LIMIT	357665	16.651	441366	21.104	536195	24.427
	EPA SAMPLE NO.						
01	PB167836BL	786775	17.14	892152	21.58	1026300	24.92
02	PB167836BS	761966	17.15	876116	21.59	1058530	24.94
03	OU4-PCS-TC-29-042325RX	711468	17.13	847758	21.58	1056120	24.92

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/07/2025

Lab File ID: BP024558.D Time Analyzed: 10:08

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	212497	7.699	880474	10.47	543552	14.33
	UPPER LIMIT	424994	8.199	1760950	10.969	1087100	14.834
	LOWER LIMIT	106249	7.199	440237	9.969	271776	13.834
	EPA SAMPLE NO.						
01	MH-QMS	148768	7.70	581624	10.48	368354	14.34
02	MH-QMSD	157526	7.70	621901	10.48	393833	14.33

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG NO.: Q1883

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/07/2025

Lab File ID: BP024558.D Time Analyzed: 10:08

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	1025820	17.133	907323	21.574	884811	24.892
	UPPER LIMIT	2051640	17.633	1814650	22.074	1769620	25.392
	LOWER LIMIT	512910	16.633	453662	21.074	442406	24.392
	EPA SAMPLE NO.						
01	MH-QMS	744026	17.14	874999	21.59	1004960	24.92
02	MH-QMSD	771993	17.13	874555	21.57	1014330	24.90

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

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

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

SAMPLE DATA

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Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-27-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.5
Sample Wt/Vol:	30.07 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050044.D	1	04/28/25 09:45	04/30/25 14:07	PB167767

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.14	U	0.024	0.14	0.18	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.027	0.14	0.18	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.031	0.14	0.18	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.023	0.14	0.18	mg/Kg
86-73-7	Fluorene	0.14	U	0.027	0.14	0.18	mg/Kg
85-01-8	Phenanthrene	0.14	U	0.022	0.14	0.18	mg/Kg
120-12-7	Anthracene	0.14	U	0.035	0.14	0.18	mg/Kg
206-44-0	Fluoranthene	0.14	U	0.032	0.14	0.18	mg/Kg
129-00-0	Pyrene	0.14	U	0.038	0.14	0.18	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	U	0.024	0.14	0.18	mg/Kg
218-01-9	Chrysene	0.14	U	0.021	0.14	0.18	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.14	U	0.020	0.14	0.18	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.14	U	0.024	0.14	0.18	mg/Kg
50-32-8	Benzo(a)pyrene	0.14	U	0.031	0.14	0.18	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	U	0.031	0.14	0.18	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.029	0.14	0.18	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.14	U	0.027	0.14	0.18	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	48.8		37 - 122		49%	SPK: 100
321-60-8	2-Fluorobiphenyl	45.4		44 - 115		45%	SPK: 100
1718-51-0	Terphenyl-d14	51.0	*	54 - 127		51%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	277000	7.763				
1146-65-2	Naphthalene-d8	941000	10.563				
15067-26-2	Acenaphthene-d10	630000	14.416				
1517-22-2	Phenanthrene-d10	1200000	17.157				
1719-03-5	Chrysene-d12	1140000	21.403				
1520-96-3	Perylene-d12	1180000	24.403				
TENTATIVE IDENTIFIED COMPOUNDS							

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Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-27-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.5
Sample Wt/Vol:	30.07 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050044.D	1	04/28/25 09:45	04/30/25 14:07	PB167767

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972608	Alachlor	0	U			0	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050044.D
Acq On : 30 Apr 2025 14:07
Operator : RC/JU
Sample : Q1883-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-27-042325

Quant Time: Apr 30 14:43:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

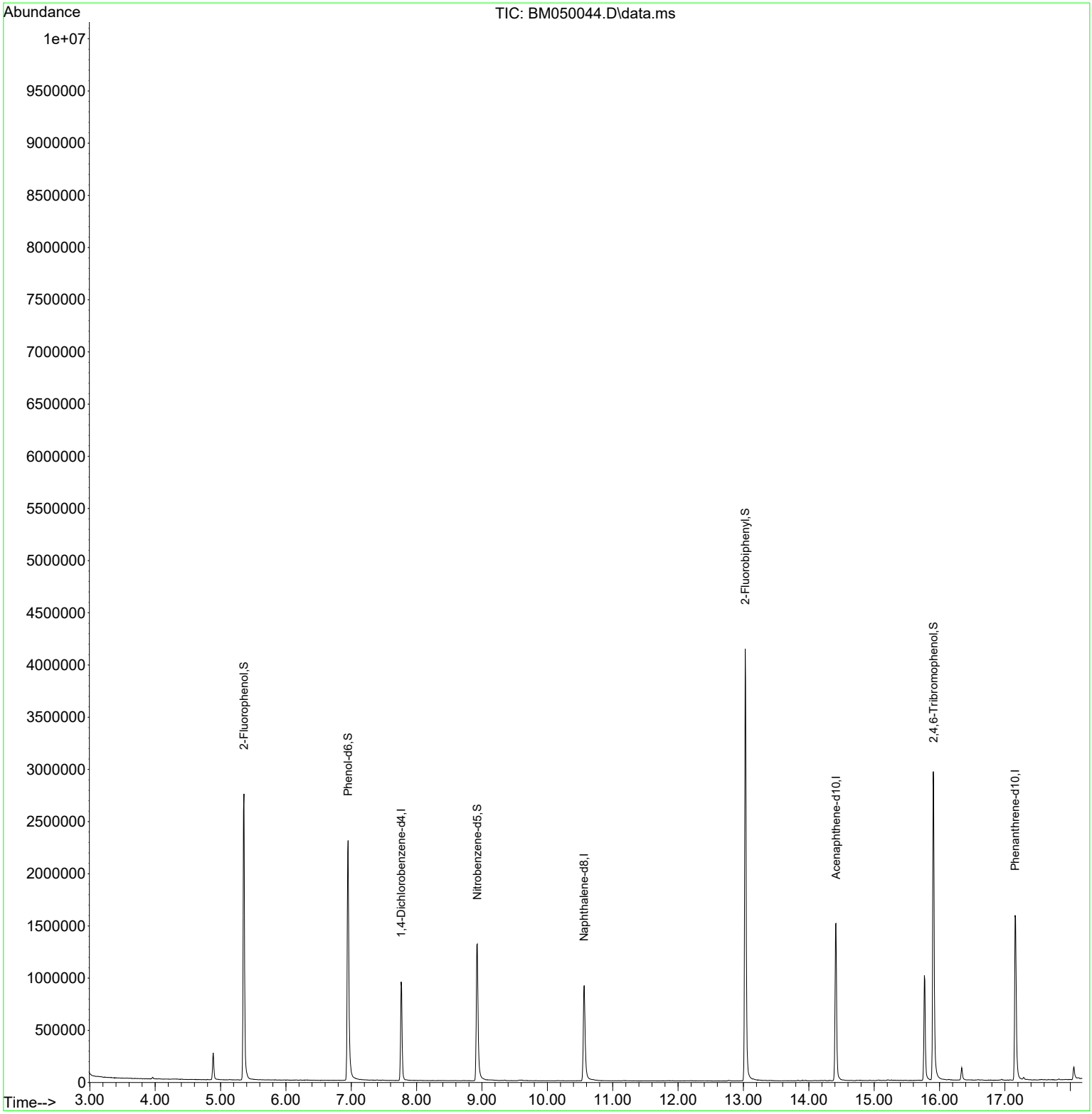
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	277063	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	941412	20.000	ng	0.00
39) Acenaphthene-d10	14.416	164	630217	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1199209	20.000	ng	0.00
76) Chrysene-d12	21.403	240	1136132	20.000	ng	0.00
86) Perylene-d12	24.403	264	1183004	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1277319	80.728	ng	0.00
7) Phenol-d6	6.951	99	1550077	77.945	ng	0.00
23) Nitrobenzene-d5	8.928	82	933083	48.840	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	654907	70.280	ng	0.00
45) 2-Fluorobiphenyl	13.028	172	2418814	45.404	ng	0.00
79) Terphenyl-d14	19.780	244	3912099	50.953	ng	0.00
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050044.D
Acq On : 30 Apr 2025 14:07
Operator : RC/JU
Sample : Q1883-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-27-042325

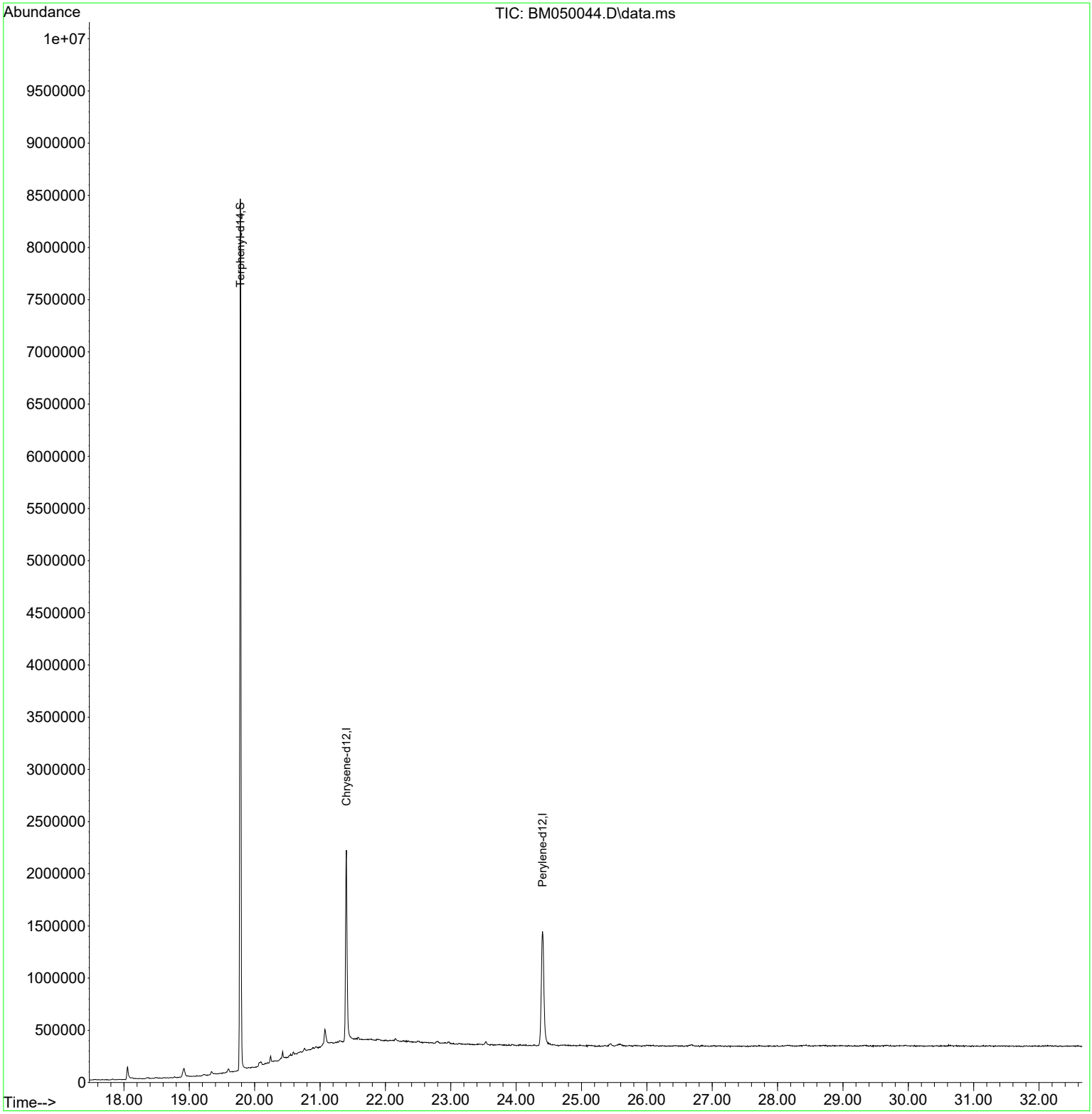
Quant Time: Apr 30 14:43:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

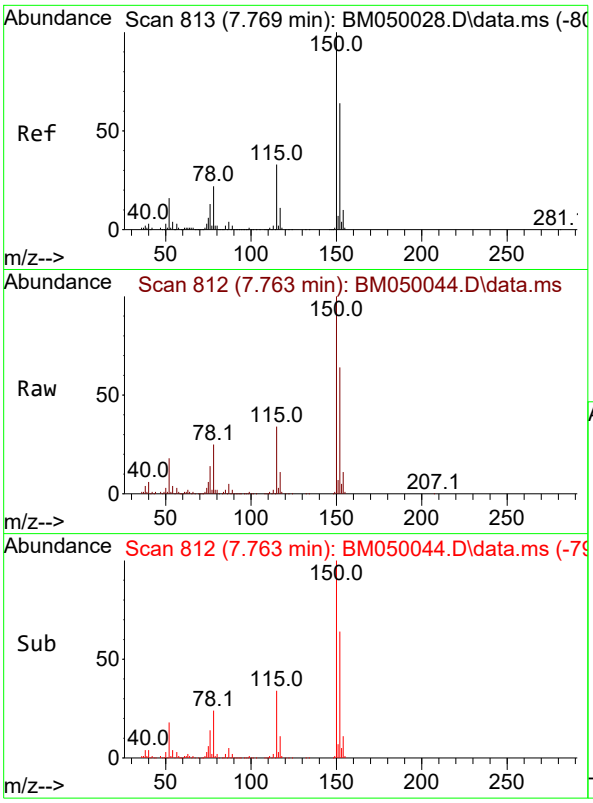


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050044.D
Acq On : 30 Apr 2025 14:07
Operator : RC/JU
Sample : Q1883-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-27-042325

Quant Time: Apr 30 14:43:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



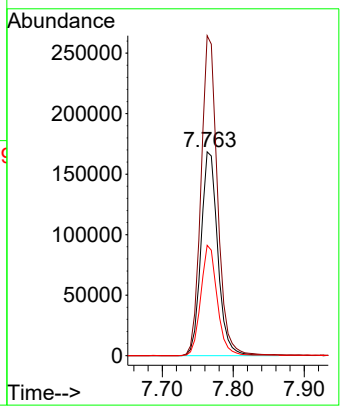


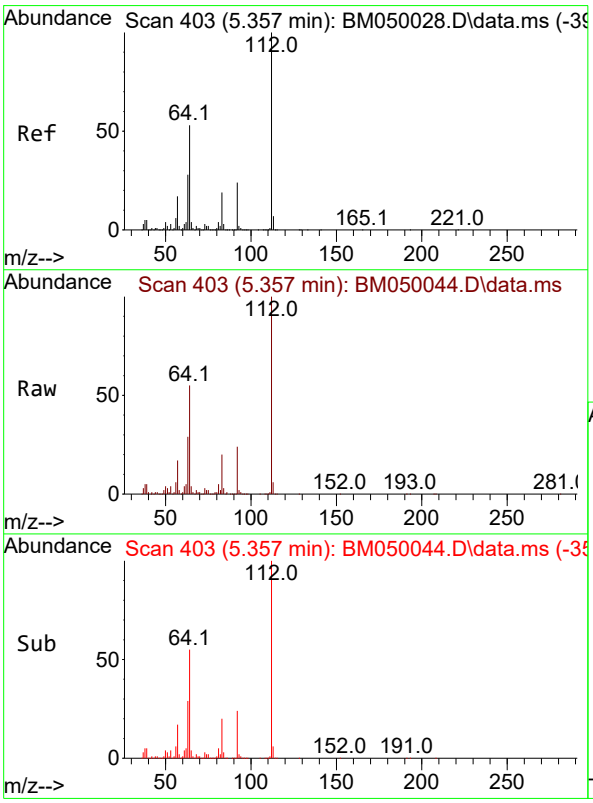
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM050044.D
Acq: 30 Apr 2025 14:07

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-27-042325

Tgt Ion:152 Resp: 277063

Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.1	186.1
115	54.2	41.2	61.8

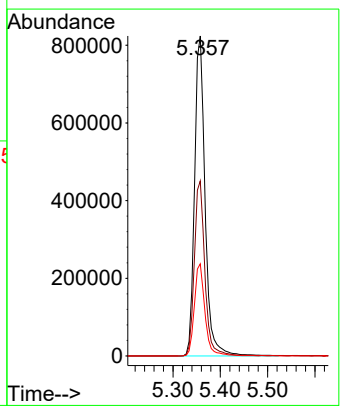


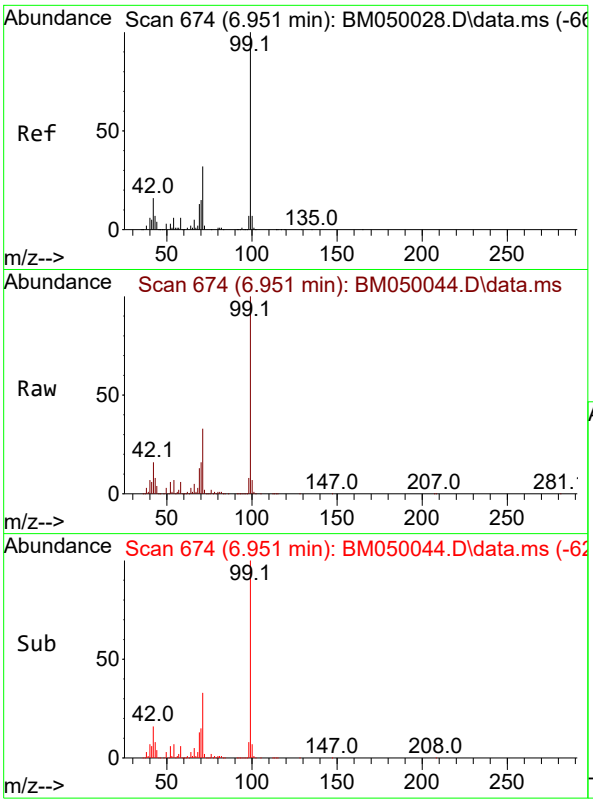


#5
2-Fluorophenol
Concen: 80.728 ng
RT: 5.357 min Scan# 403
Delta R.T. 0.000 min
Lab File: BM050044.D
Acq: 30 Apr 2025 14:07

Tgt Ion:112 Resp: 1277319

Ion	Ratio	Lower	Upper
112	100		
64	54.7	42.6	64.0
63	28.8	22.2	33.4



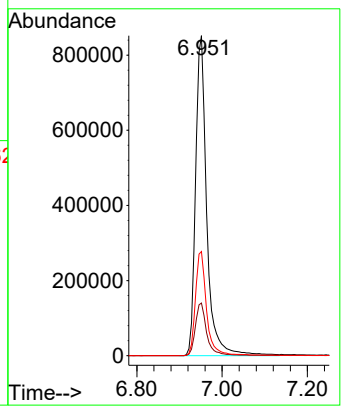


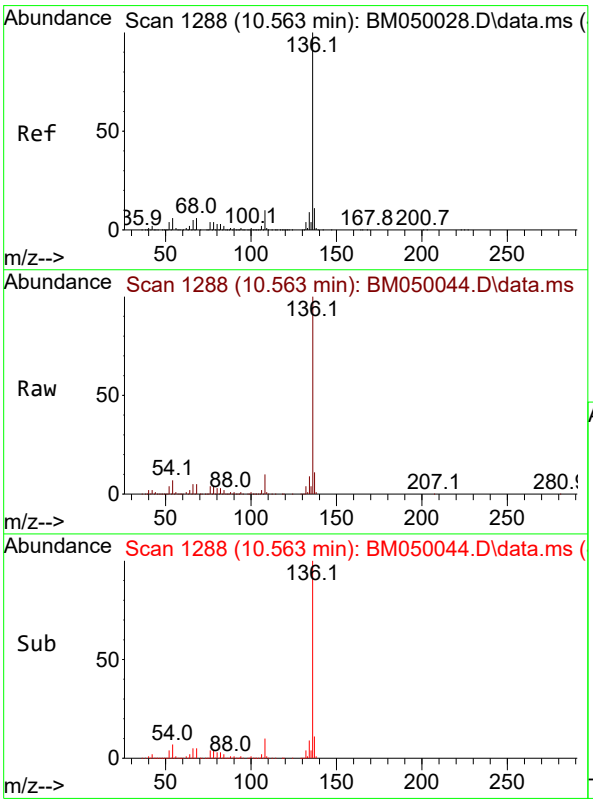
#7
Phenol-d6
Concen: 77.945 ng
RT: 6.951 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM050044.D
Acq: 30 Apr 2025 14:07

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-27-042325

Tgt Ion: 99 Resp: 1550077

Ion	Ratio	Lower	Upper
99	100		
42	16.5	13.0	19.4
71	32.6	25.6	38.4

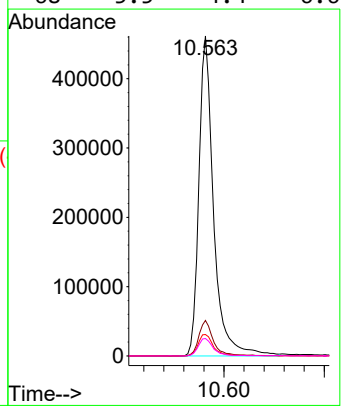


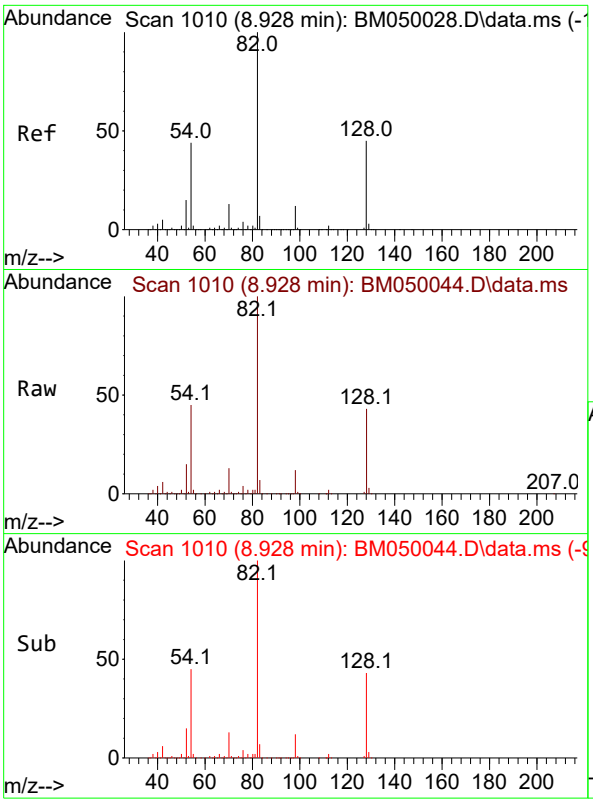


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1288
Delta R.T. 0.000 min
Lab File: BM050044.D
Acq: 30 Apr 2025 14:07

Tgt Ion:136 Resp: 941412

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	6.7	5.1	7.7
68	5.5	4.4	6.6



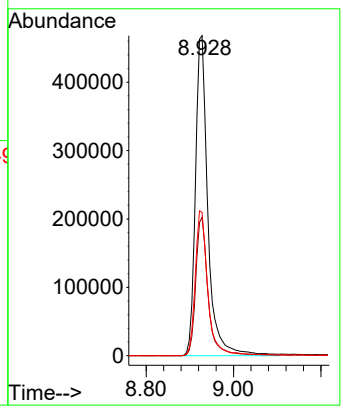


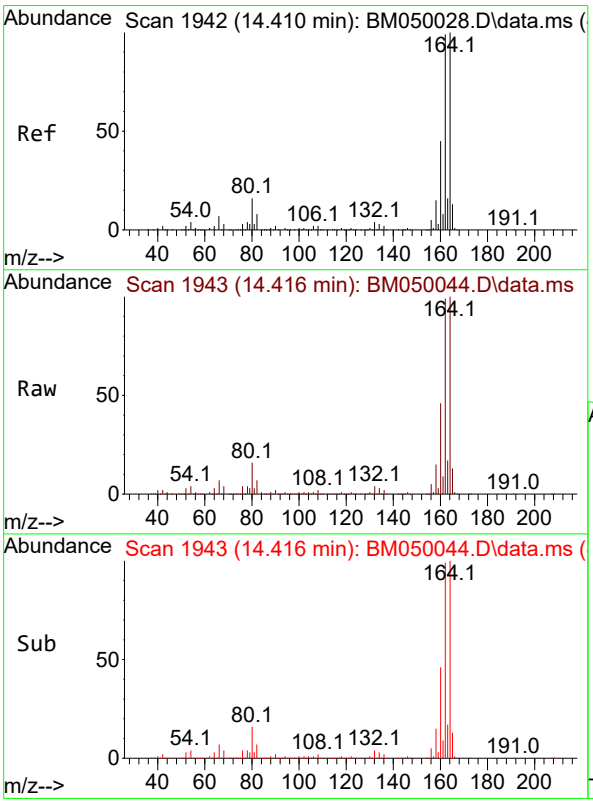
#23
Nitrobenzene-d5
Concen: 48.840 ng
RT: 8.928 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050044.D
Acq: 30 Apr 2025 14:07

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-27-042325

Tgt Ion: 82 Resp: 933083

Ion	Ratio	Lower	Upper
82	100		
128	43.2	35.7	53.5
54	44.8	35.4	53.2

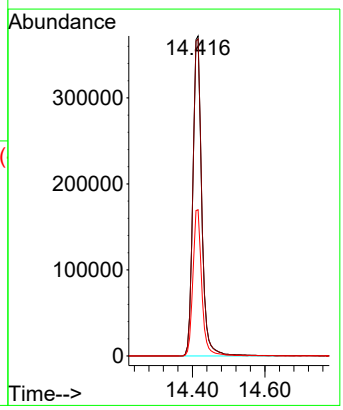


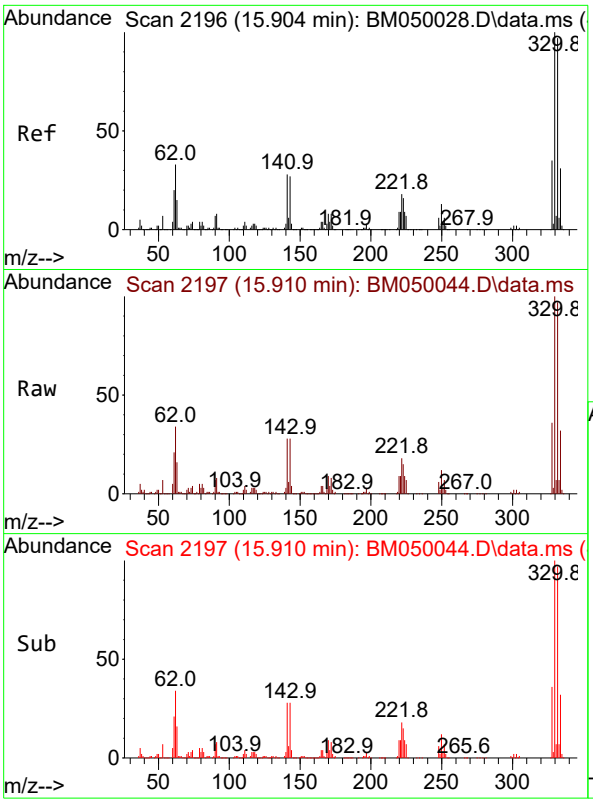


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1943
Delta R.T. 0.006 min
Lab File: BM050044.D
Acq: 30 Apr 2025 14:07

Tgt Ion:164 Resp: 630217

Ion	Ratio	Lower	Upper
164	100		
162	99.0	79.4	119.0
160	45.7	36.2	54.4



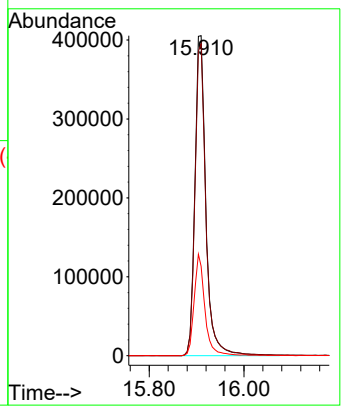


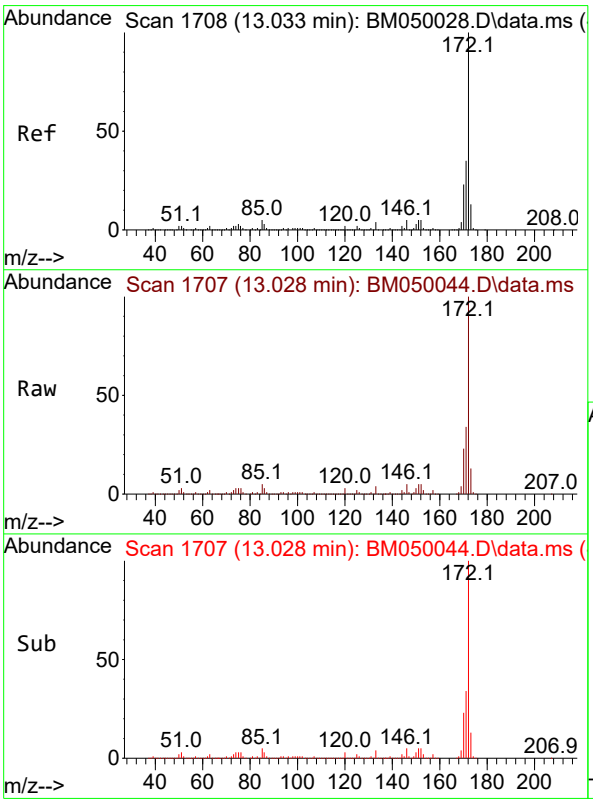
#42
2,4,6-Tribromophenol
Concen: 70.280 ng
RT: 15.910 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM050044.D
Acq: 30 Apr 2025 14:07

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-27-042325

Tgt Ion:330 Resp: 654907

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.3	115.9
141	30.9	22.5	33.7

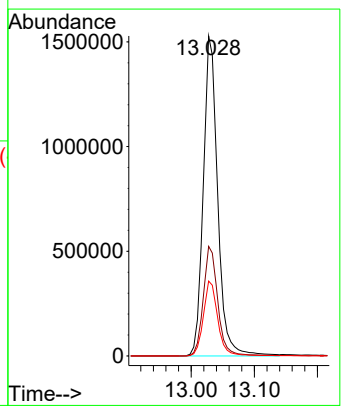


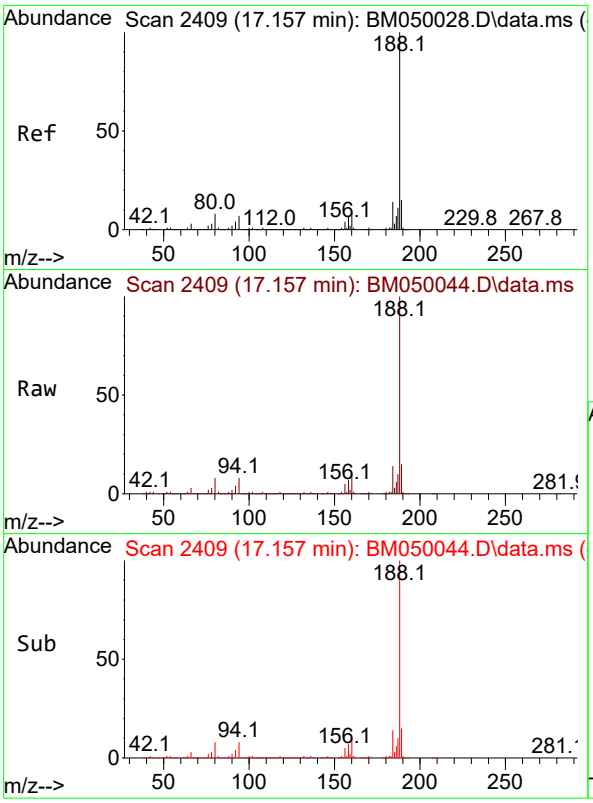


#45
2-Fluorobiphenyl
Concen: 45.404 ng
RT: 13.028 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BM050044.D
Acq: 30 Apr 2025 14:07

Tgt Ion:172 Resp: 2418814

Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.8	41.6
170	23.4	18.6	28.0



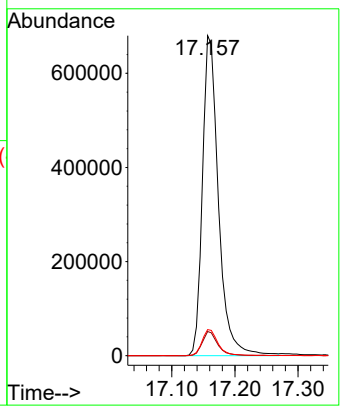


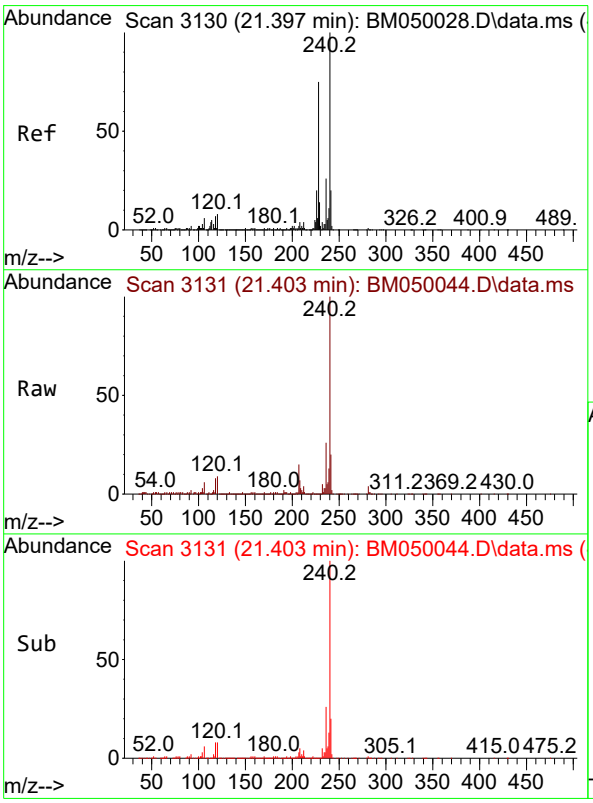
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM050044.D
Acq: 30 Apr 2025 14:07

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-27-042325

Tgt Ion:188 Resp: 1199209

Ion	Ratio	Lower	Upper
188	100		
94	7.6	5.7	8.5
80	8.1	6.2	9.4

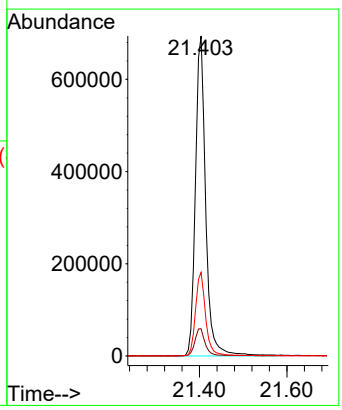


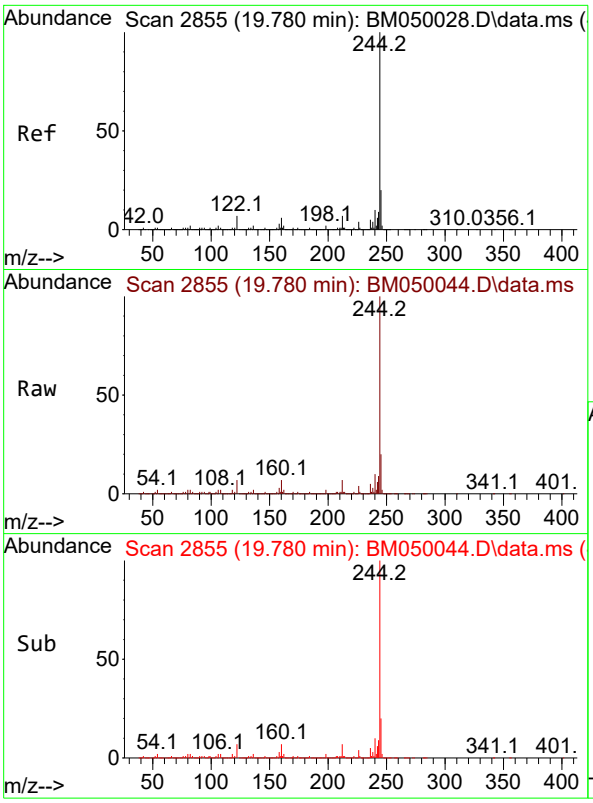


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. 0.006 min
Lab File: BM050044.D
Acq: 30 Apr 2025 14:07

Tgt Ion:240 Resp: 1136132

Ion	Ratio	Lower	Upper
240	100		
120	8.5	6.5	9.7
236	26.1	20.9	31.3



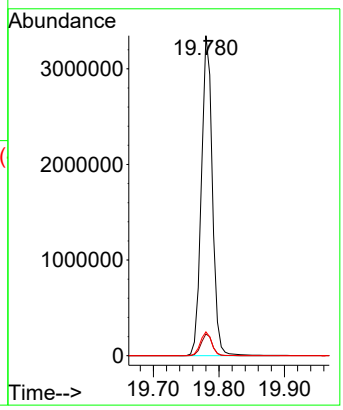


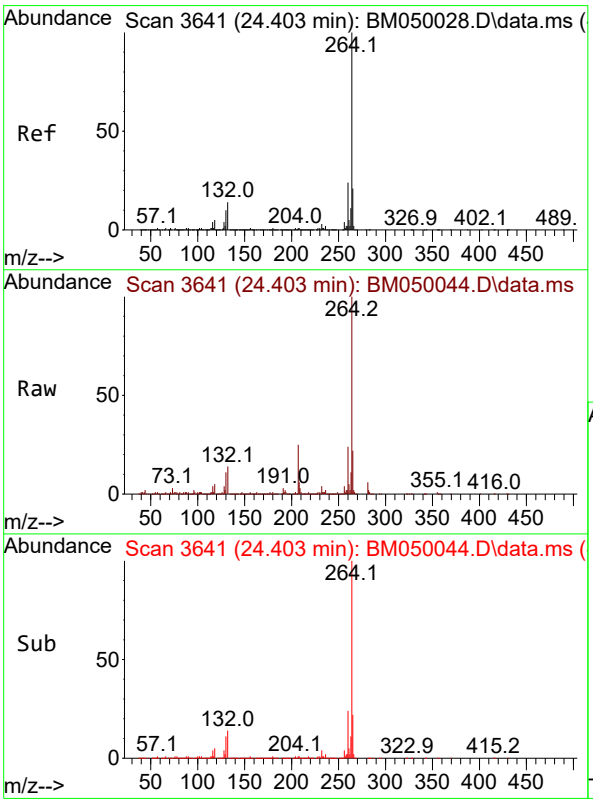
#79
Terphenyl-d14
Concen: 50.953 ng
RT: 19.780 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050044.D
Acq: 30 Apr 2025 14:07

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-27-042325

Tgt Ion:244 Resp: 3912099

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	7.5	5.6	8.4

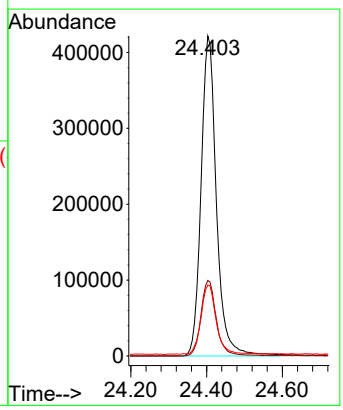




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3641
Delta R.T. 0.000 min
Lab File: BM050044.D
Acq: 30 Apr 2025 14:07

Tgt Ion:264 Resp: 1183004

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.8	28.2
265	22.2	17.0	25.4



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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-28-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.5
Sample Wt/Vol:	30.06 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050045.D	1	04/28/25 09:45	04/30/25 14:46	PB167767

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.14	U	0.024	0.14	0.18	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.027	0.14	0.18	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.031	0.14	0.18	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.023	0.14	0.18	mg/Kg
86-73-7	Fluorene	0.14	U	0.027	0.14	0.18	mg/Kg
85-01-8	Phenanthrene	0.14	U	0.022	0.14	0.18	mg/Kg
120-12-7	Anthracene	0.14	U	0.035	0.14	0.18	mg/Kg
206-44-0	Fluoranthene	0.14	U	0.032	0.14	0.18	mg/Kg
129-00-0	Pyrene	0.14	U	0.038	0.14	0.18	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	U	0.024	0.14	0.18	mg/Kg
218-01-9	Chrysene	0.14	U	0.021	0.14	0.18	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.14	U	0.020	0.14	0.18	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.14	U	0.024	0.14	0.18	mg/Kg
50-32-8	Benzo(a)pyrene	0.14	U	0.031	0.14	0.18	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	U	0.031	0.14	0.18	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.029	0.14	0.18	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.14	U	0.027	0.14	0.18	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	77.5		37 - 122		77%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.4		44 - 115		77%	SPK: 100
1718-51-0	Terphenyl-d14	91.0		54 - 127		91%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	256000	7.763				
1146-65-2	Naphthalene-d8	900000	10.563				
15067-26-2	Acenaphthene-d10	601000	14.41				
1517-22-2	Phenanthrene-d10	1160000	17.157				
1719-03-5	Chrysene-d12	1060000	21.398				
1520-96-3	Perylene-d12	1120000	24.397				
TENTATIVE IDENTIFIED COMPOUNDS							

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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-28-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.5
Sample Wt/Vol:	30.06 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050045.D	1	04/28/25 09:45	04/30/25 14:46	PB167767

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972608	Alachlor	0	U			0	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050045.D
Acq On : 30 Apr 2025 14:46
Operator : RC/JU
Sample : Q1883-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-28-042325

Quant Time: Apr 30 15:21:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

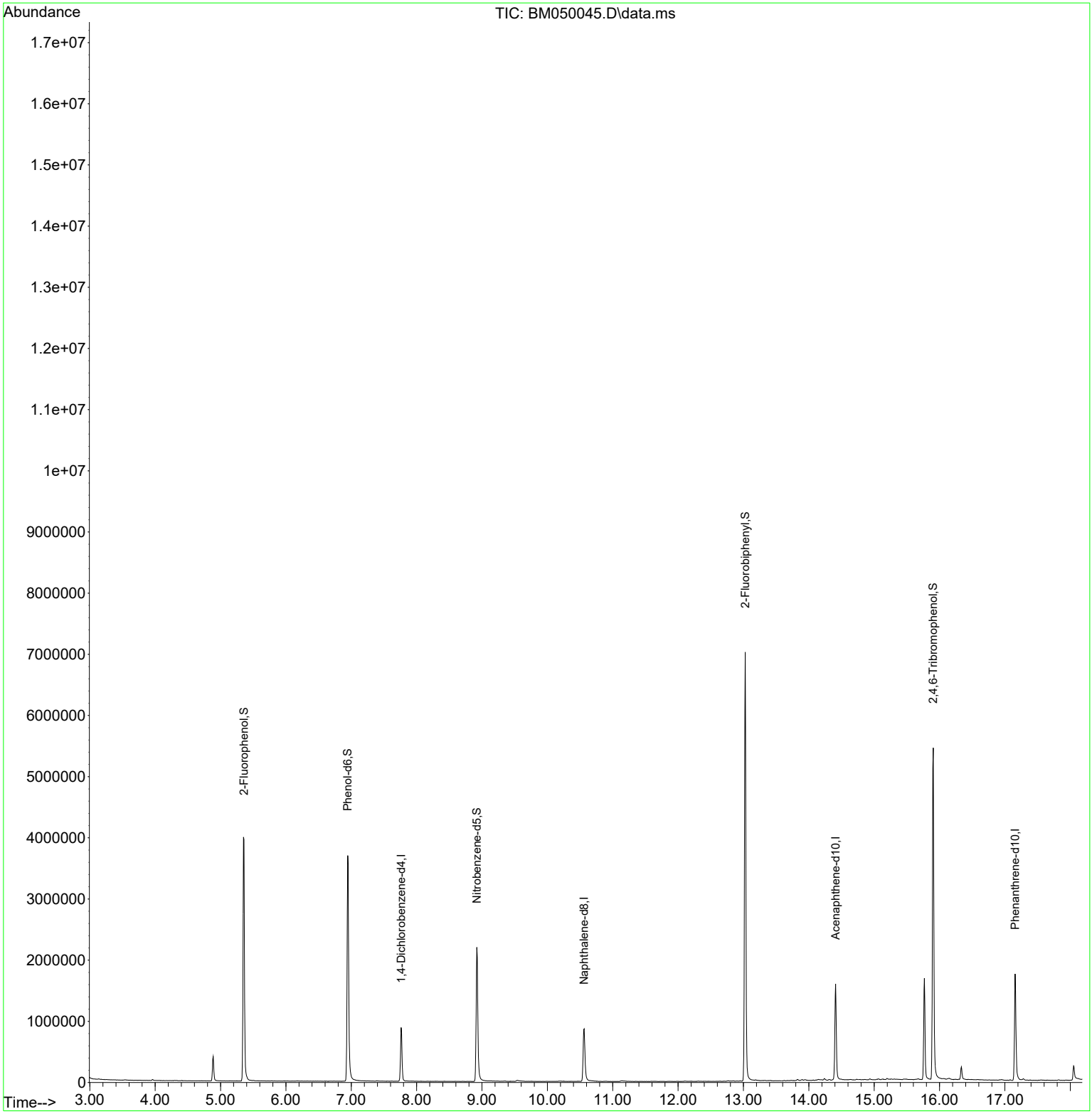
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	255861	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	900438	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	601047	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1156785	20.000	ng	0.00
76) Chrysene-d12	21.398	240	1062348	20.000	ng	0.00
86) Perylene-d12	24.397	264	1116272	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1891570	129.456	ng	0.00
7) Phenol-d6	6.946	99	2358346	128.415	ng	0.00
23) Nitrobenzene-d5	8.922	82	1415424	77.459	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	1164895	131.074	ng	0.00
45) 2-Fluorobiphenyl	13.028	172	3930797	77.366	ng	0.00
79) Terphenyl-d14	19.780	244	6533234	91.001	ng	0.00
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050045.D
Acq On : 30 Apr 2025 14:46
Operator : RC/JU
Sample : Q1883-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-28-042325

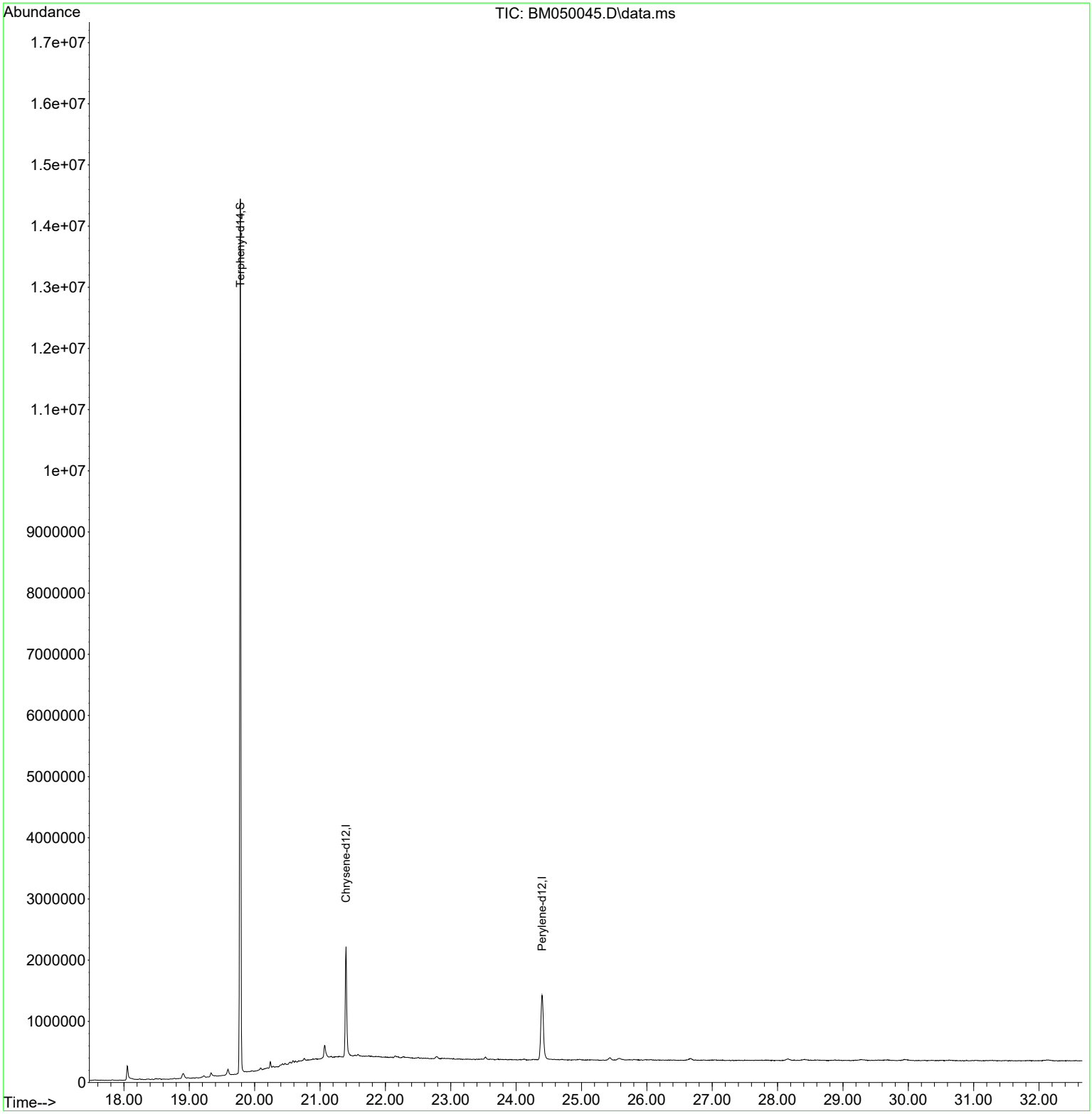
Quant Time: Apr 30 15:21:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

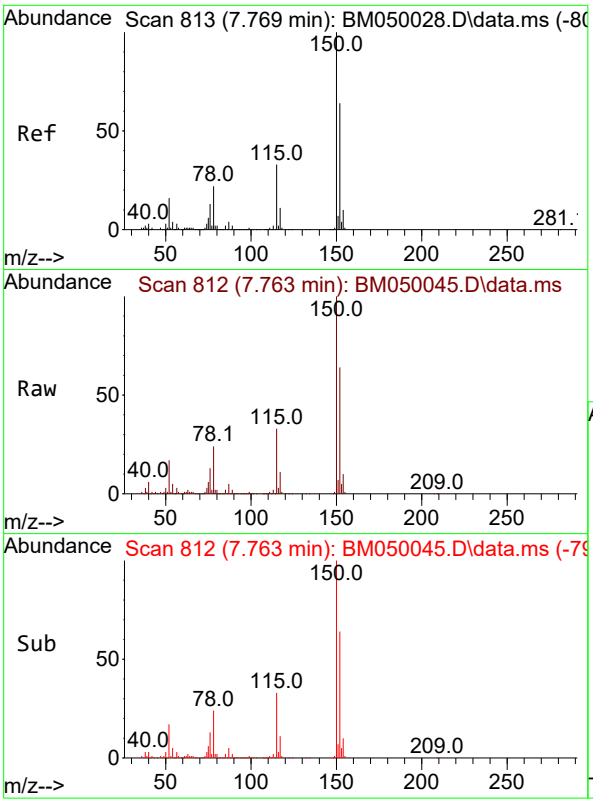


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050045.D
Acq On : 30 Apr 2025 14:46
Operator : RC/JU
Sample : Q1883-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-28-042325

Quant Time: Apr 30 15:21:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



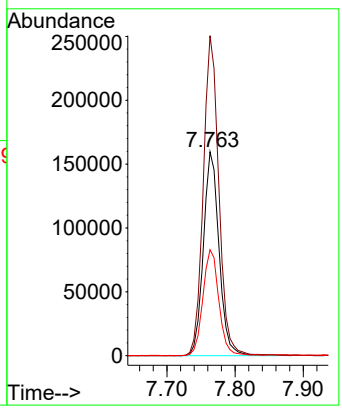


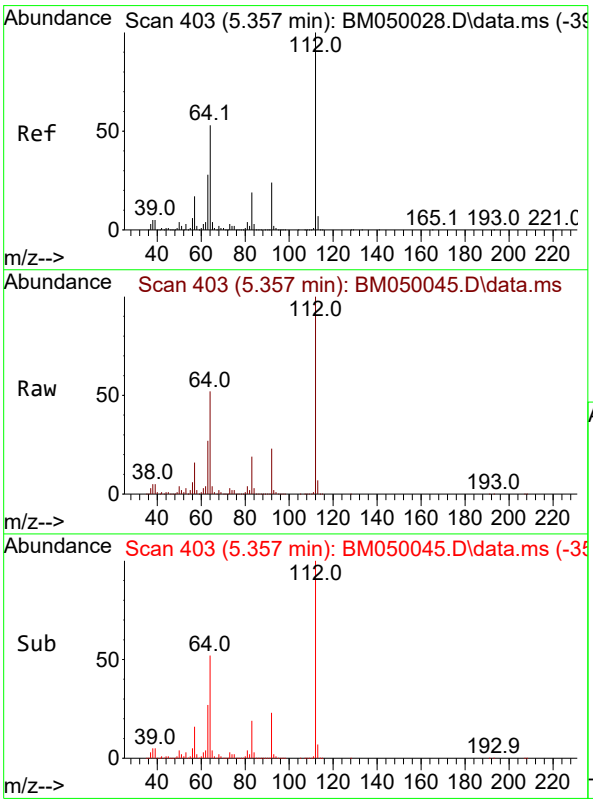
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM050045.D
Acq: 30 Apr 2025 14:46

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-28-042325

Tgt Ion:152 Resp: 255861

Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.1	186.1
115	52.0	41.2	61.8

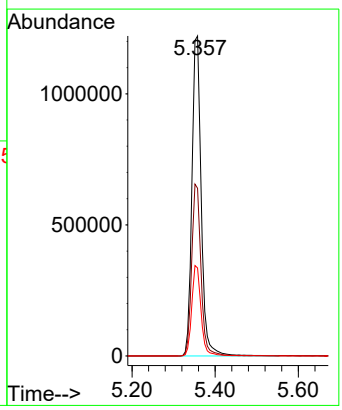


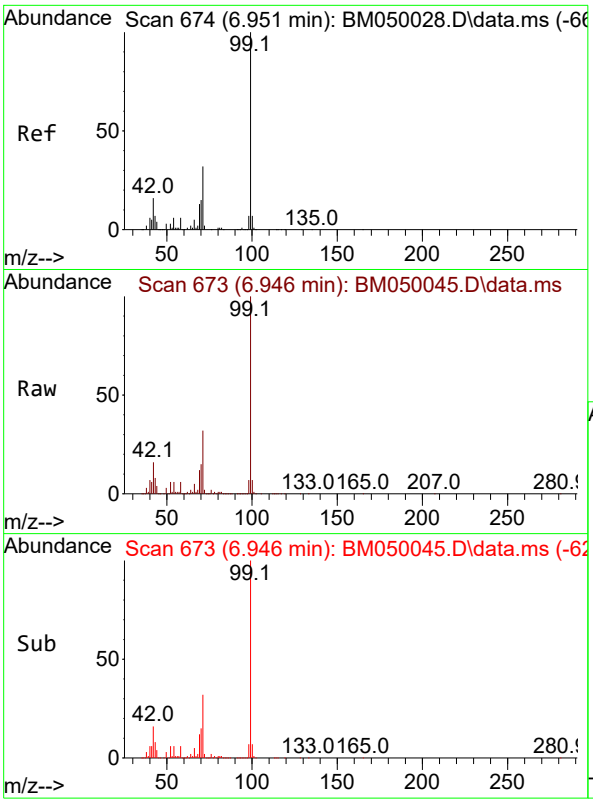


#5
2-Fluorophenol
Concen: 129.456 ng
RT: 5.357 min Scan# 403
Delta R.T. 0.000 min
Lab File: BM050045.D
Acq: 30 Apr 2025 14:46

Tgt Ion:112 Resp: 1891570

Ion	Ratio	Lower	Upper
112	100		
64	52.4	42.6	64.0
63	27.5	22.2	33.4



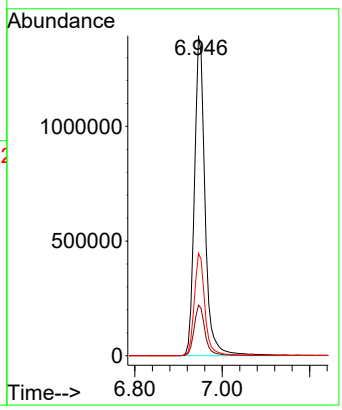


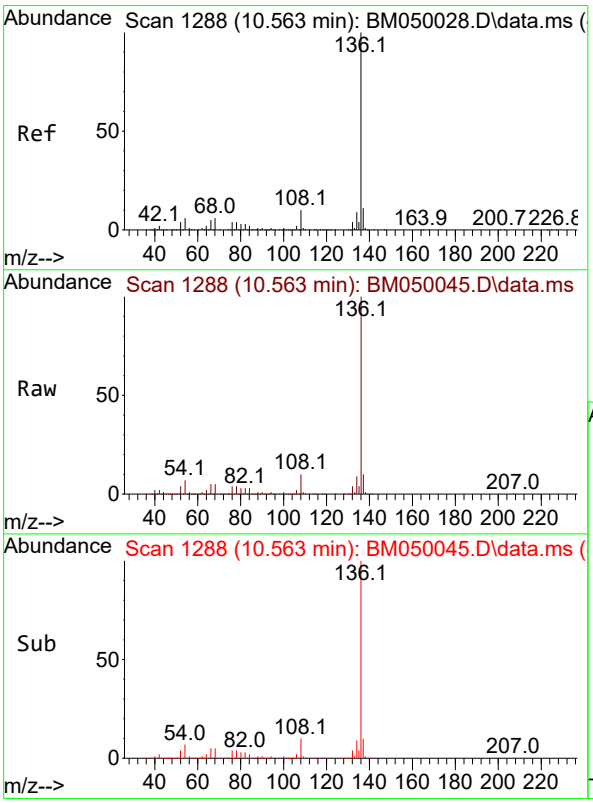
#7
Phenol-d6
Concen: 128.415 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM050045.D
Acq: 30 Apr 2025 14:46

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-28-042325

Tgt Ion: 99 Resp: 2358346

Ion	Ratio	Lower	Upper
99	100		
42	15.8	13.0	19.4
71	32.0	25.6	38.4

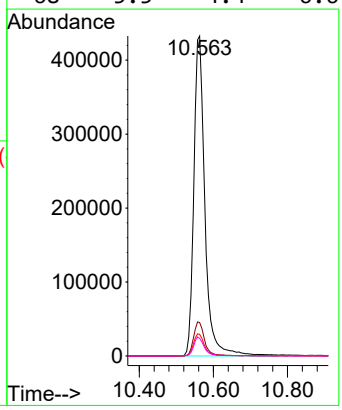


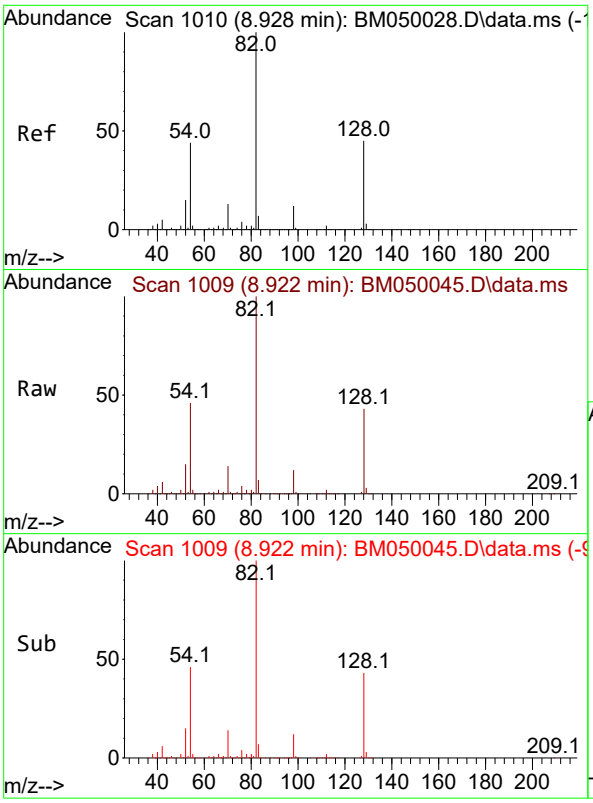


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1288
Delta R.T. 0.000 min
Lab File: BM050045.D
Acq: 30 Apr 2025 14:46

Tgt Ion:136 Resp: 900438

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.9	13.3
54	6.8	5.1	7.7
68	5.5	4.4	6.6



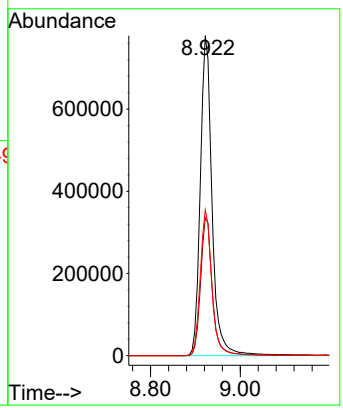


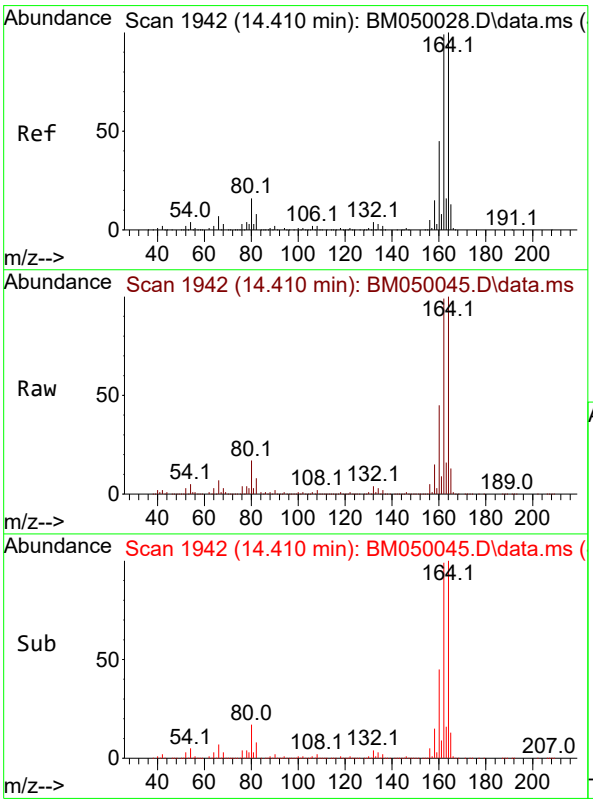
#23
Nitrobenzene-d5
Concen: 77.459 ng
RT: 8.922 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050045.D
Acq: 30 Apr 2025 14:46

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-28-042325

Tgt Ion: 82 Resp: 1415424

Ion	Ratio	Lower	Upper
82	100		
128	43.1	35.7	53.5
54	45.5	35.4	53.2

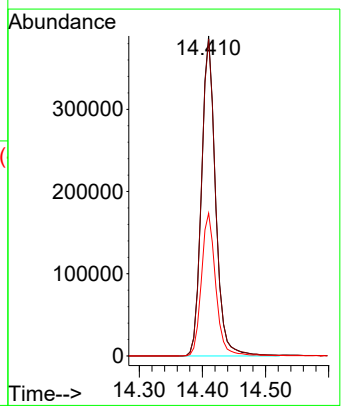


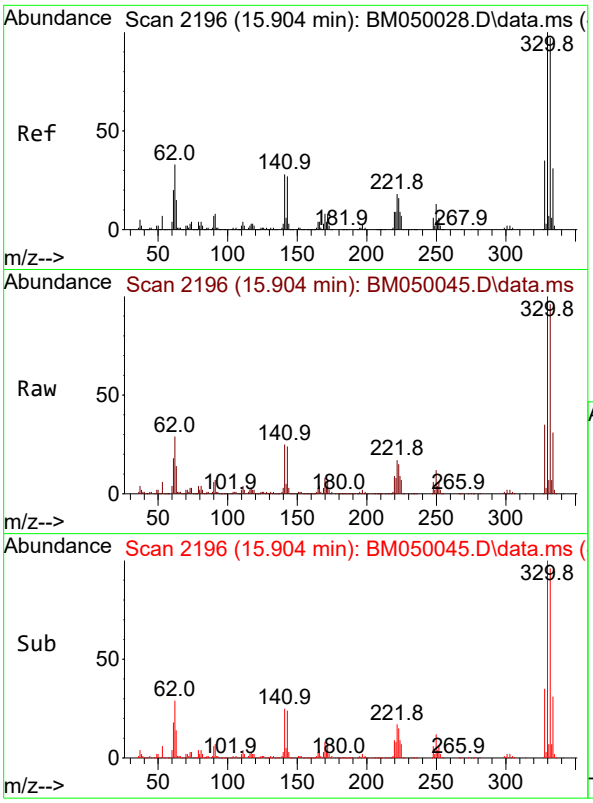


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.000 min
Lab File: BM050045.D
Acq: 30 Apr 2025 14:46

Tgt Ion:164 Resp: 601047

Ion	Ratio	Lower	Upper
164	100		
162	99.0	79.4	119.0
160	44.6	36.2	54.4



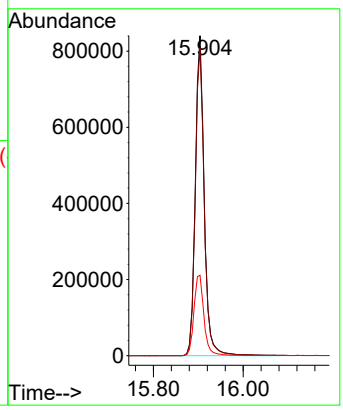


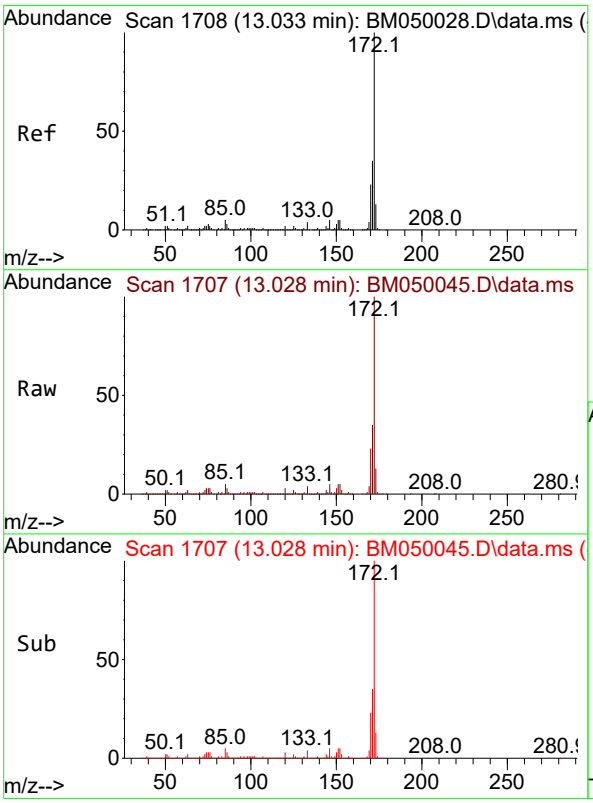
#42
2,4,6-Tribromophenol
Concen: 131.074 ng
RT: 15.904 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM050045.D
Acq: 30 Apr 2025 14:46

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-28-042325

Tgt Ion:330 Resp: 1164895

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.3	115.9
141	28.1	22.5	33.7

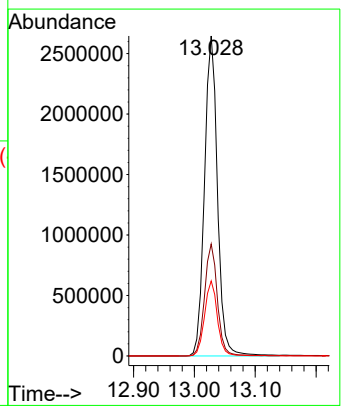


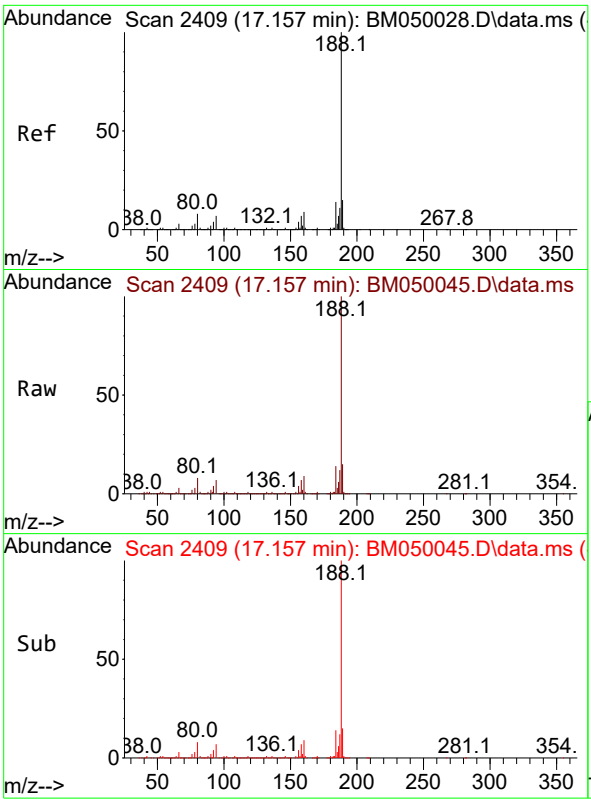


#45
2-Fluorobiphenyl
Concen: 77.366 ng
RT: 13.028 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BM050045.D
Acq: 30 Apr 2025 14:46

Tgt Ion:172 Resp: 3930797

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.8	41.6
170	23.4	18.6	28.0



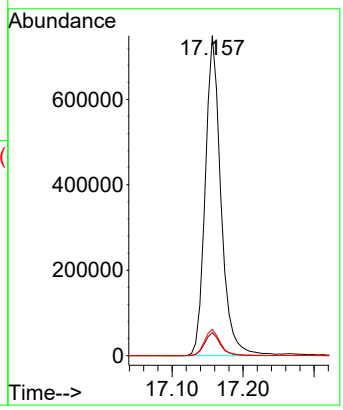


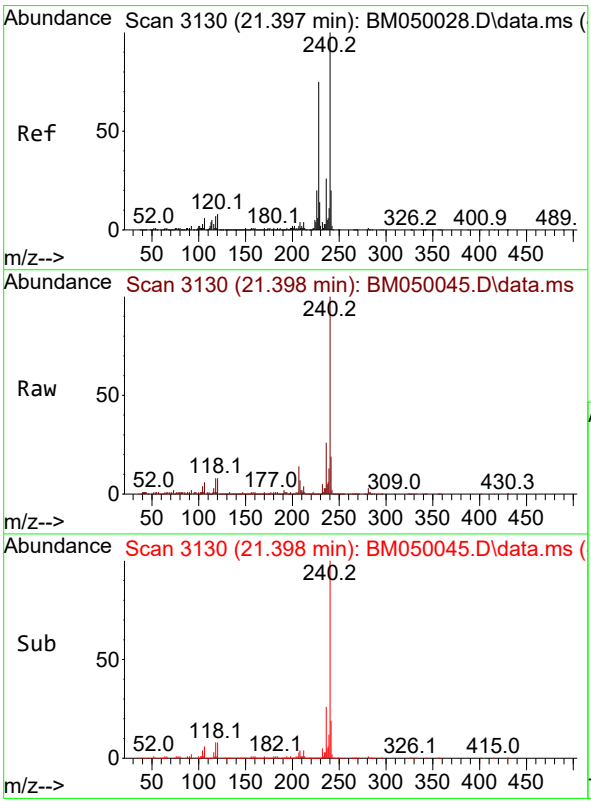
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM050045.D
Acq: 30 Apr 2025 14:46

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-28-042325

Tgt Ion:188 Resp: 1156785

Ion	Ratio	Lower	Upper
188	100		
94	7.2	5.7	8.5
80	8.2	6.2	9.4

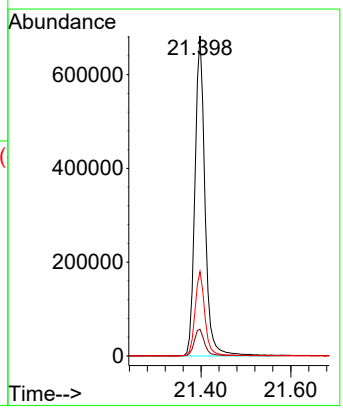


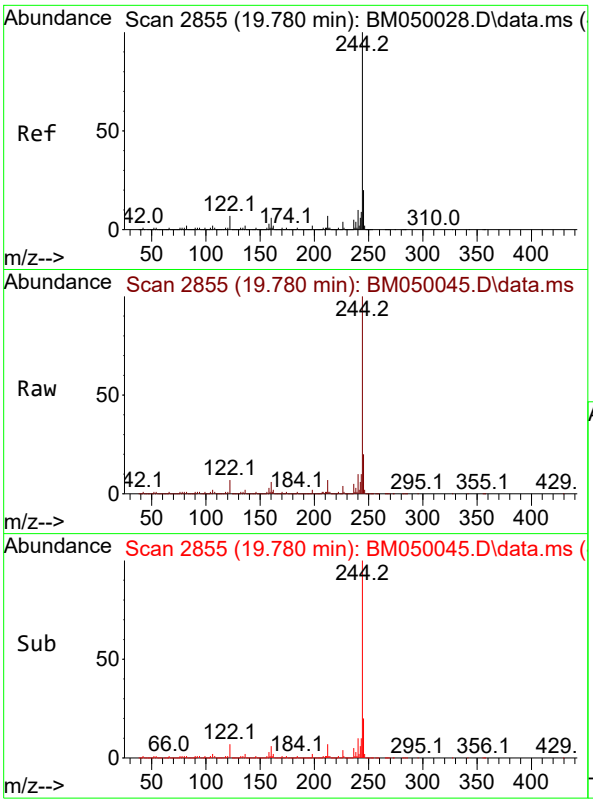


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.398 min Scan# 3130
Delta R.T. 0.001 min
Lab File: BM050045.D
Acq: 30 Apr 2025 14:46

Tgt Ion:240 Resp: 1062348

Ion	Ratio	Lower	Upper
240	100		
120	8.4	6.5	9.7
236	26.4	20.9	31.3



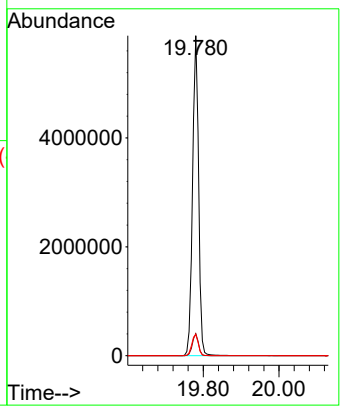


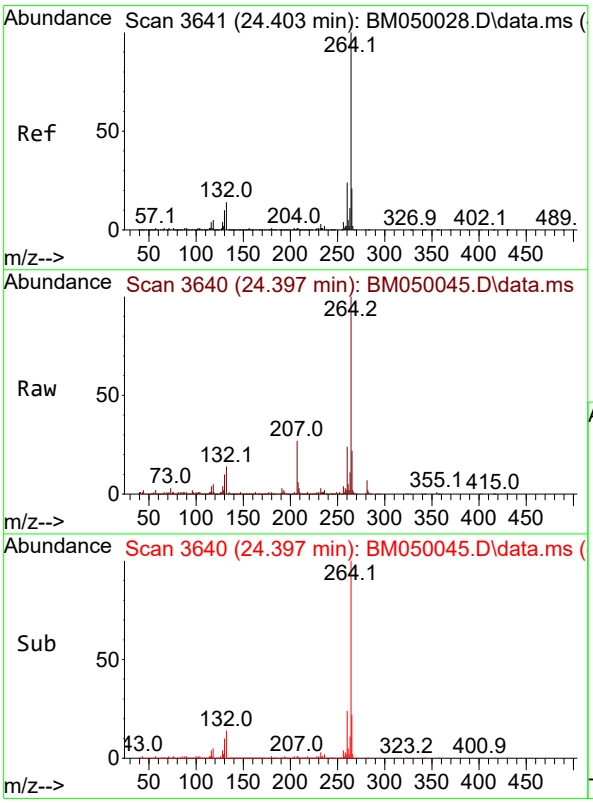
#79
Terphenyl-d14
Concen: 91.001 ng
RT: 19.780 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050045.D
Acq: 30 Apr 2025 14:46

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-28-042325

Tgt Ion:244 Resp: 6533234

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	6.6	5.6	8.4

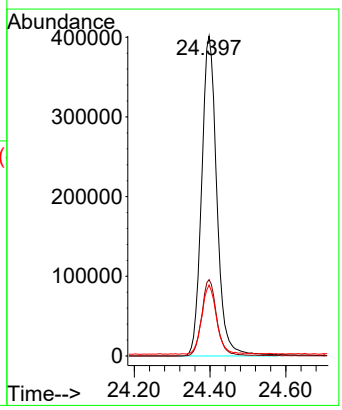




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.397 min Scan# 3640
Delta R.T. -0.006 min
Lab File: BM050045.D
Acq: 30 Apr 2025 14:46

Tgt Ion:264 Resp: 1116272

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.8	28.2
265	22.2	17.0	25.4



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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-29-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95.7
Sample Wt/Vol:	30.02 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050046.D	1	04/28/25 09:45	04/30/25 15:25	PB167767

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.14	U	0.024	0.14	0.18	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.027	0.14	0.18	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.030	0.14	0.18	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.022	0.14	0.18	mg/Kg
86-73-7	Fluorene	0.14	U	0.026	0.14	0.18	mg/Kg
85-01-8	Phenanthrene	0.14	U	0.022	0.14	0.18	mg/Kg
120-12-7	Anthracene	0.14	U	0.035	0.14	0.18	mg/Kg
206-44-0	Fluoranthene	0.14	U	0.031	0.14	0.18	mg/Kg
129-00-0	Pyrene	0.14	U	0.038	0.14	0.18	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	U	0.024	0.14	0.18	mg/Kg
218-01-9	Chrysene	0.14	U	0.021	0.14	0.18	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.14	U	0.020	0.14	0.18	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.14	U	0.023	0.14	0.18	mg/Kg
50-32-8	Benzo(a)pyrene	0.14	U	0.031	0.14	0.18	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	U	0.030	0.14	0.18	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.029	0.14	0.18	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.14	U	0.027	0.14	0.18	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	42.3		37 - 122		42%	SPK: 100
321-60-8	2-Fluorobiphenyl	40.7	*	44 - 115		41%	SPK: 100
1718-51-0	Terphenyl-d14	45.3	*	54 - 127		45%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	273000	7.763				
1146-65-2	Naphthalene-d8	944000	10.563				
15067-26-2	Acenaphthene-d10	645000	14.41				
1517-22-2	Phenanthrene-d10	1220000	17.156				
1719-03-5	Chrysene-d12	1130000	21.397				
1520-96-3	Perylene-d12	1210000	24.397				
TENTATIVE IDENTIFIED COMPOUNDS							

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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-29-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95.7
Sample Wt/Vol:	30.02 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050046.D	1	04/28/25 09:45	04/30/25 15:25	PB167767

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972608	Alachlor	0	U			0	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050046.D
Acq On : 30 Apr 2025 15:25
Operator : RC/JU
Sample : Q1883-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-29-042325

Quant Time: Apr 30 16:04:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

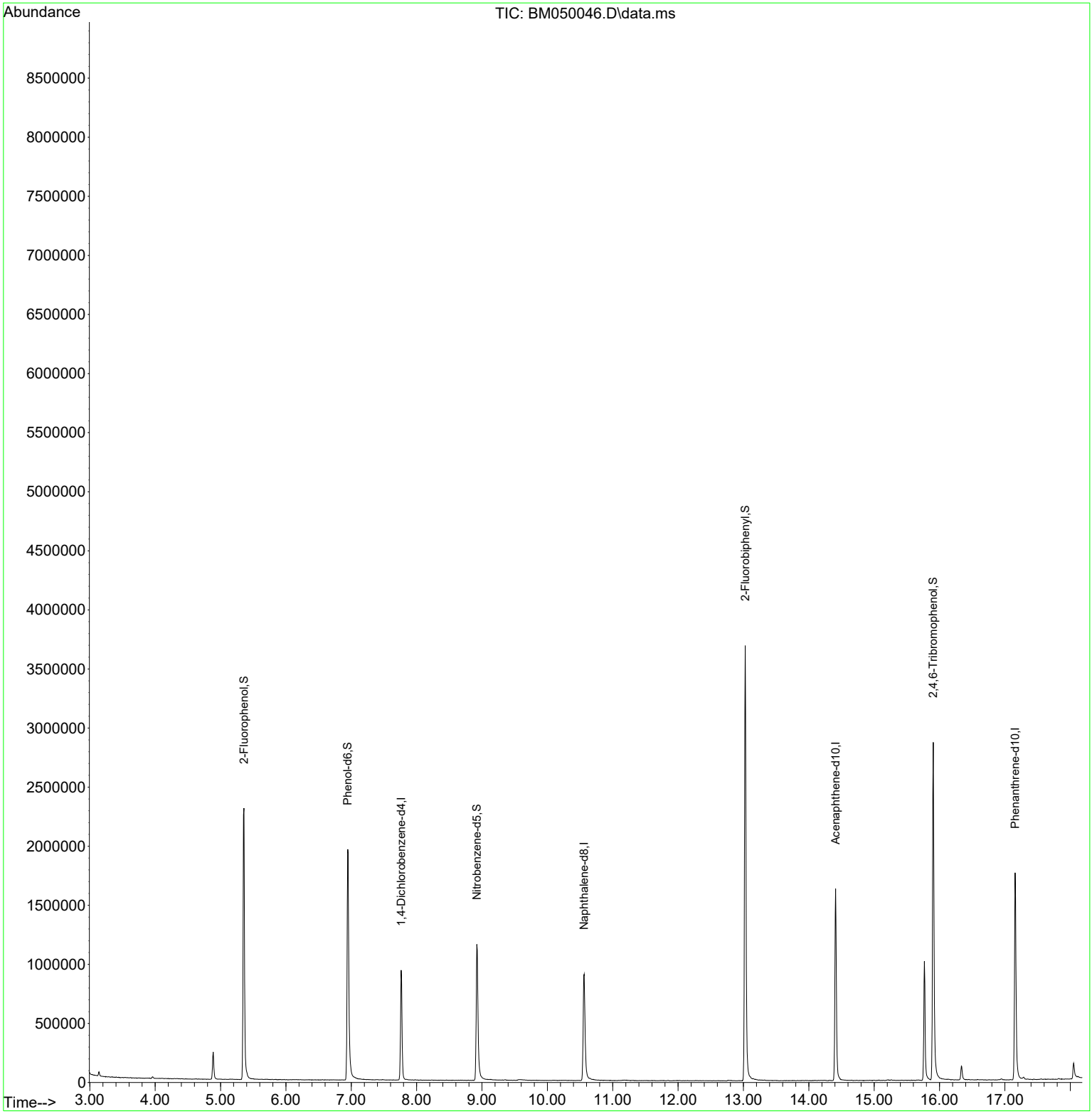
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	272947	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	944491	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	645043	20.000	ng	0.00
64) Phenanthrene-d10	17.156	188	1218690	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1127978	20.000	ng	0.00
86) Perylene-d12	24.397	264	1211887	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1092632	70.097	ng	0.00
7) Phenol-d6	6.945	99	1358247	69.329	ng	0.00
23) Nitrobenzene-d5	8.922	82	809819	42.250	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	616981	64.688	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	2218090	40.679	ng	0.00
79) Terphenyl-d14	19.780	244	3449316	45.250	ng	0.00
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050046.D
Acq On : 30 Apr 2025 15:25
Operator : RC/JU
Sample : Q1883-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-29-042325

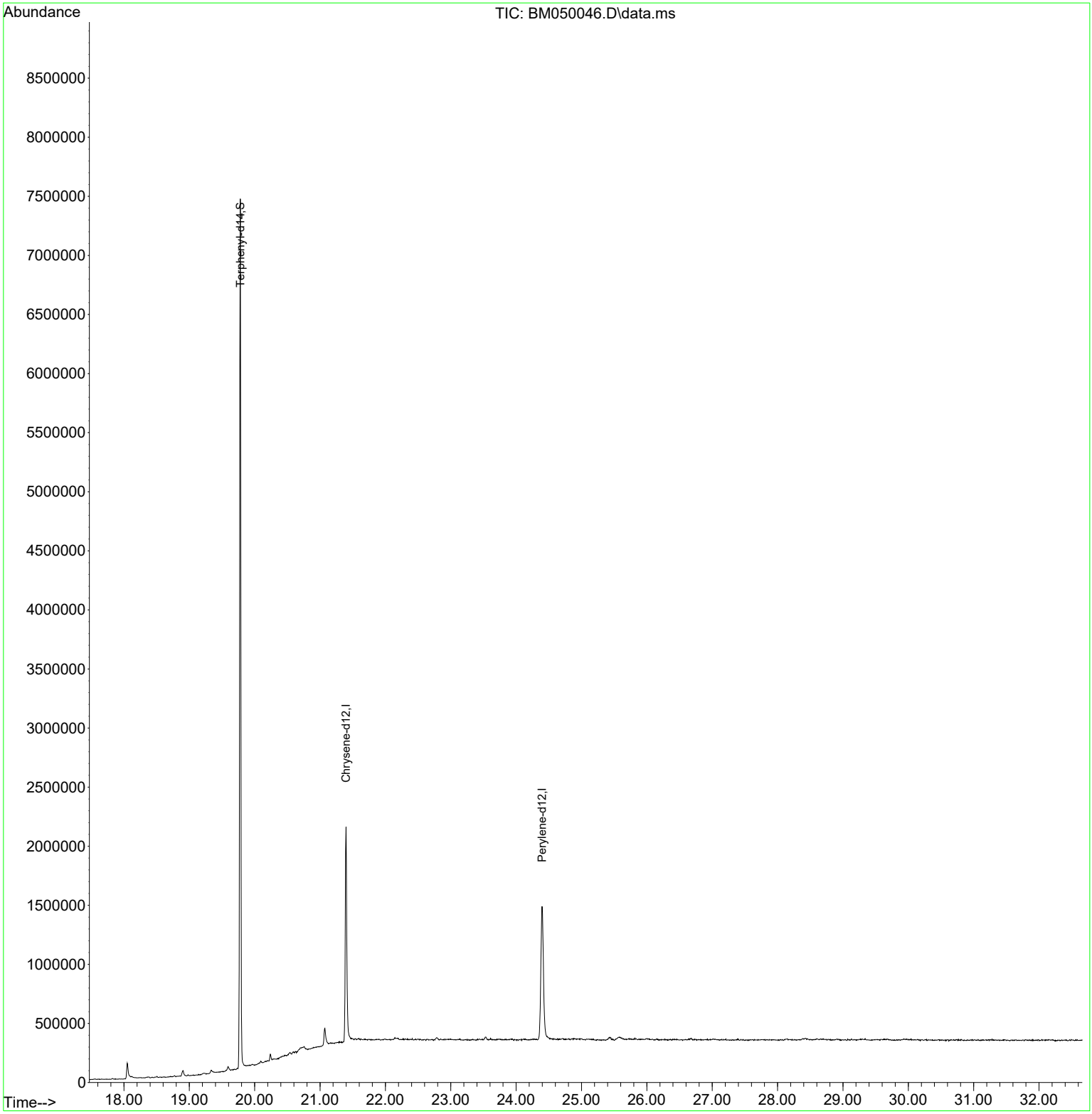
Quant Time: Apr 30 16:04:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

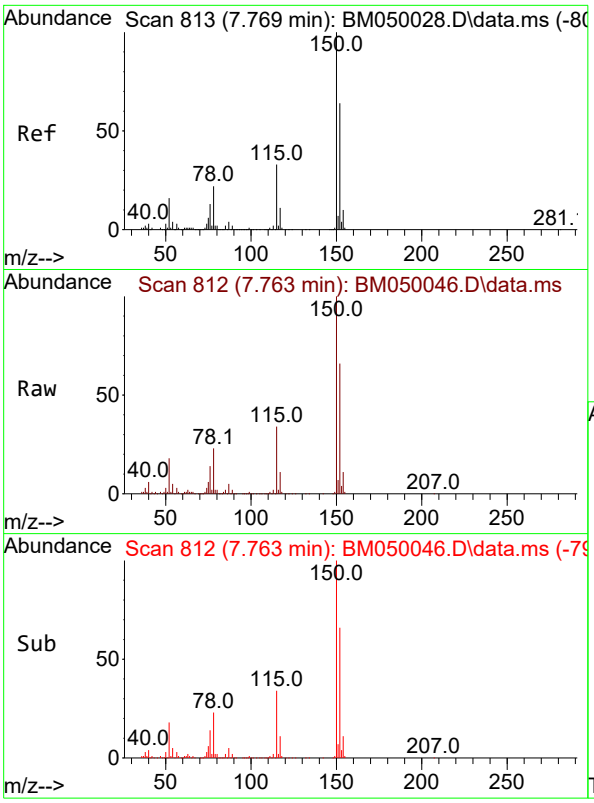


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050046.D
Acq On : 30 Apr 2025 15:25
Operator : RC/JU
Sample : Q1883-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-29-042325

Quant Time: Apr 30 16:04:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



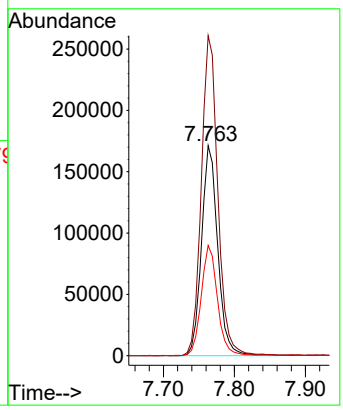


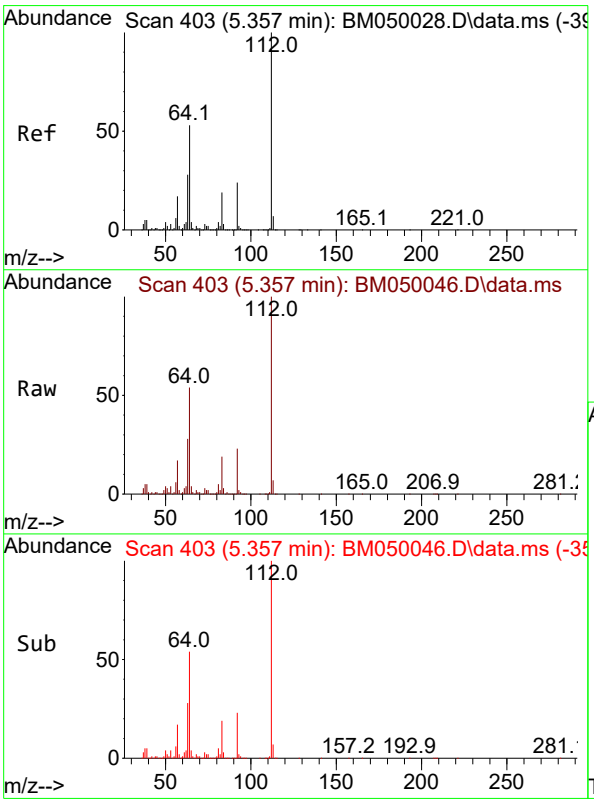
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM050046.D
Acq: 30 Apr 2025 15:25

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-29-042325

Tgt Ion:152 Resp: 272947

Ion	Ratio	Lower	Upper
152	100		
150	152.3	124.1	186.1
115	52.5	41.2	61.8

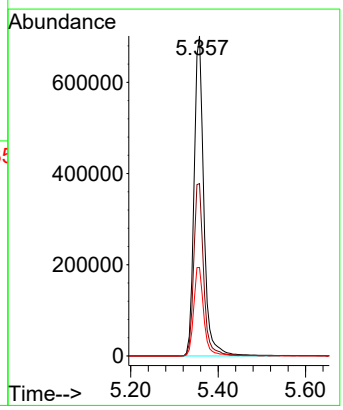


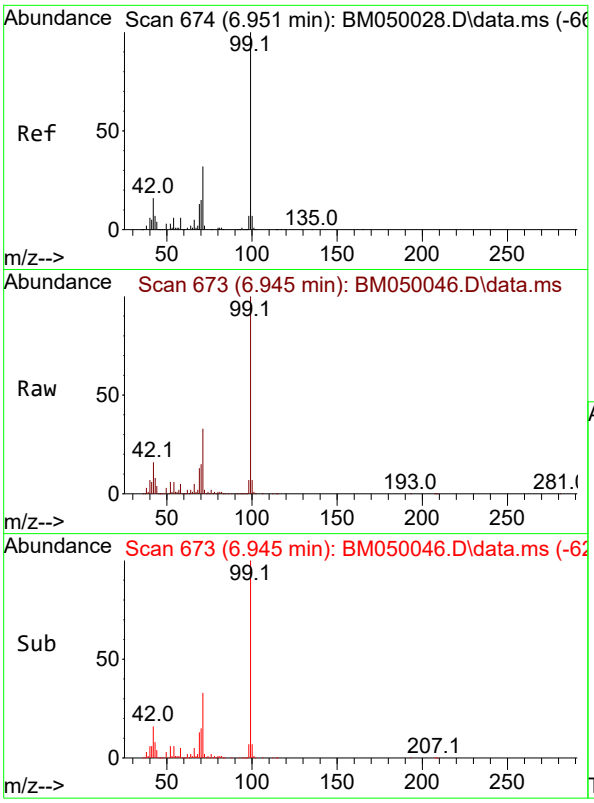


#5
2-Fluorophenol
Concen: 70.097 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.000 min
Lab File: BM050046.D
Acq: 30 Apr 2025 15:25

Tgt Ion:112 Resp: 1092632

Ion	Ratio	Lower	Upper
112	100		
64	53.8	42.6	64.0
63	27.6	22.2	33.4



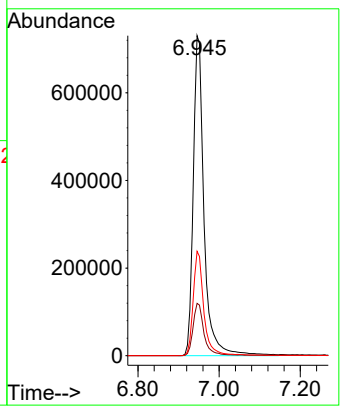


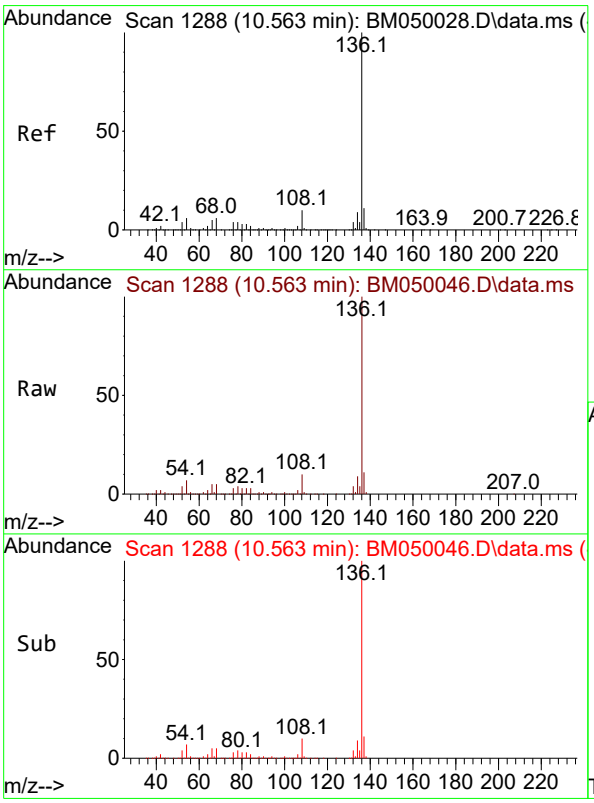
#7
Phenol-d6
Concen: 69.329 ng
RT: 6.945 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM050046.D
Acq: 30 Apr 2025 15:25

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-29-042325

Tgt Ion: 99 Resp: 1358247

Ion	Ratio	Lower	Upper
99	100		
42	16.3	13.0	19.4
71	32.6	25.6	38.4

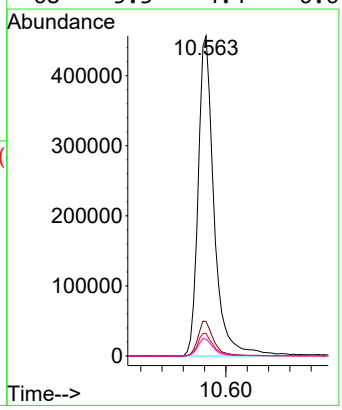


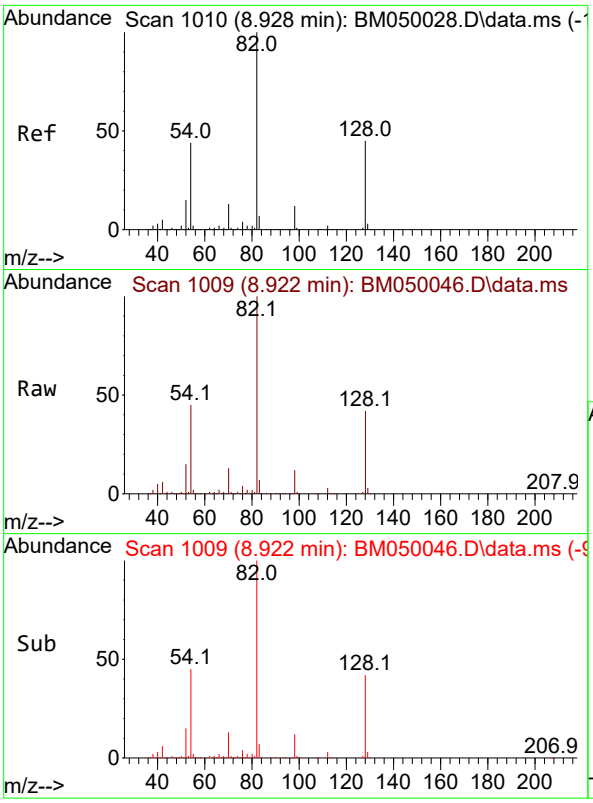


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1288
Delta R.T. -0.000 min
Lab File: BM050046.D
Acq: 30 Apr 2025 15:25

Tgt Ion:136 Resp: 944491

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.0	5.1	7.7
68	5.3	4.4	6.6



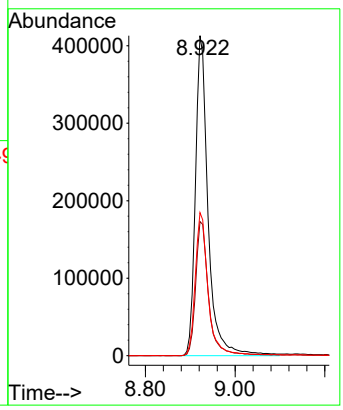


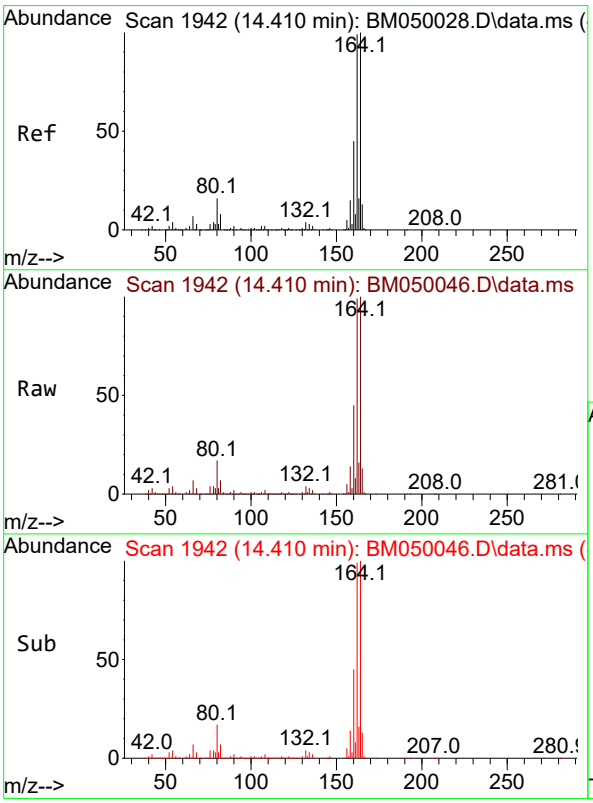
#23
Nitrobenzene-d5
Concen: 42.250 ng
RT: 8.922 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BM050046.D
Acq: 30 Apr 2025 15:25

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-29-042325

Tgt Ion: 82 Resp: 809819

Ion	Ratio	Lower	Upper
82	100		
128	41.9	35.7	53.5
54	44.7	35.4	53.2

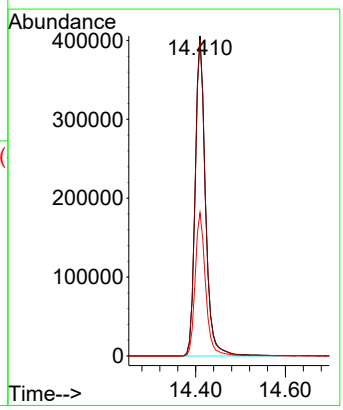


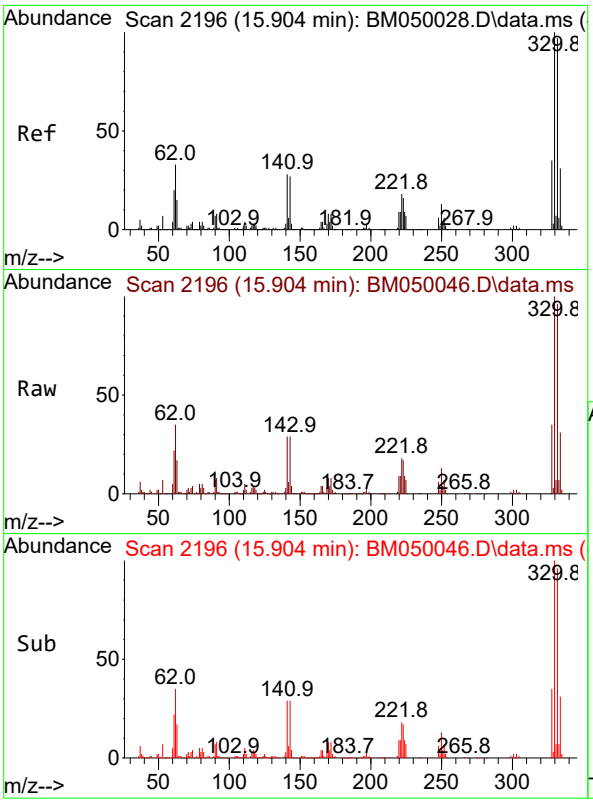


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.000 min
Lab File: BM050046.D
Acq: 30 Apr 2025 15:25

Tgt Ion:164 Resp: 645043

Ion	Ratio	Lower	Upper
164	100		
162	98.7	79.4	119.0
160	44.8	36.2	54.4



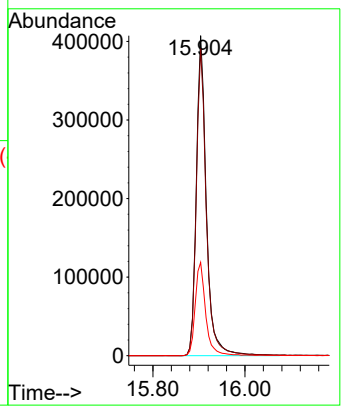


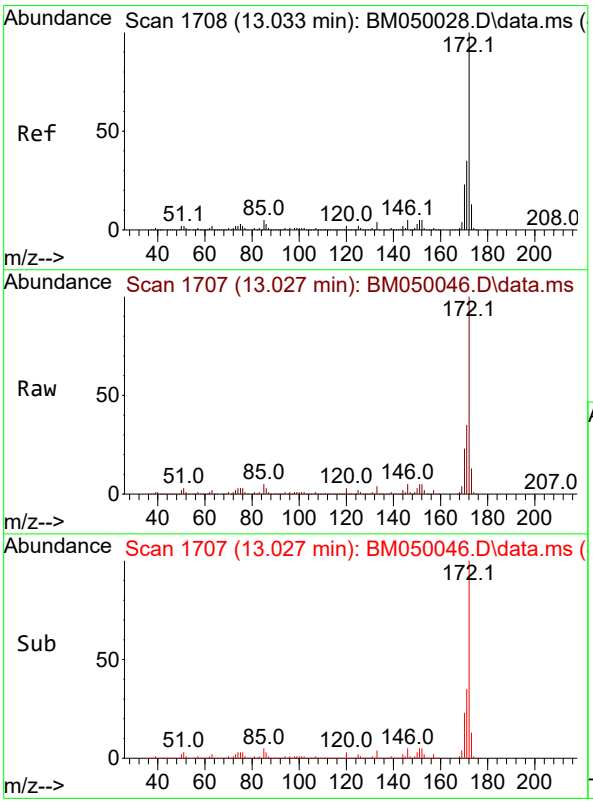
#42
2,4,6-Tribromophenol
Concen: 64.688 ng
RT: 15.904 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM050046.D
Acq: 30 Apr 2025 15:25

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-29-042325

Tgt Ion:330 Resp: 616981

Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.3	115.9
141	30.5	22.5	33.7

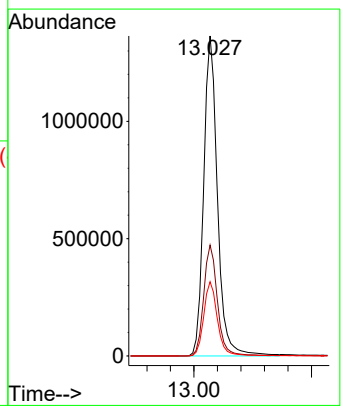


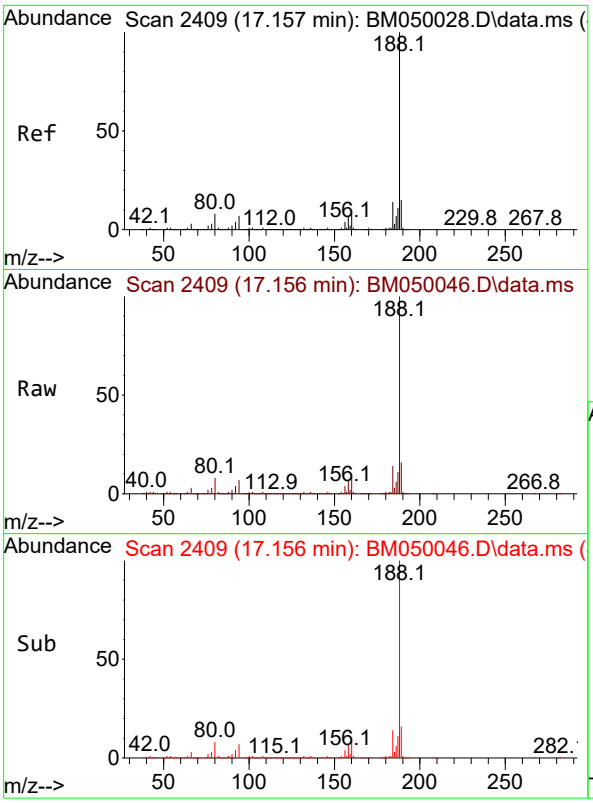


#45
2-Fluorobiphenyl
Concen: 40.679 ng
RT: 13.027 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BM050046.D
Acq: 30 Apr 2025 15:25

Tgt Ion:172 Resp: 2218090

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.8	41.6
170	23.2	18.6	28.0



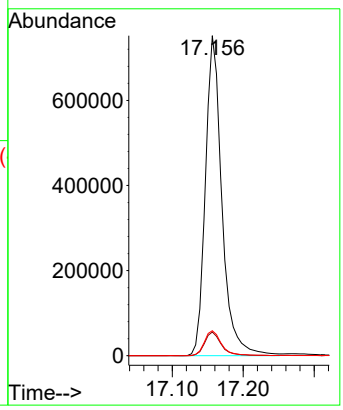


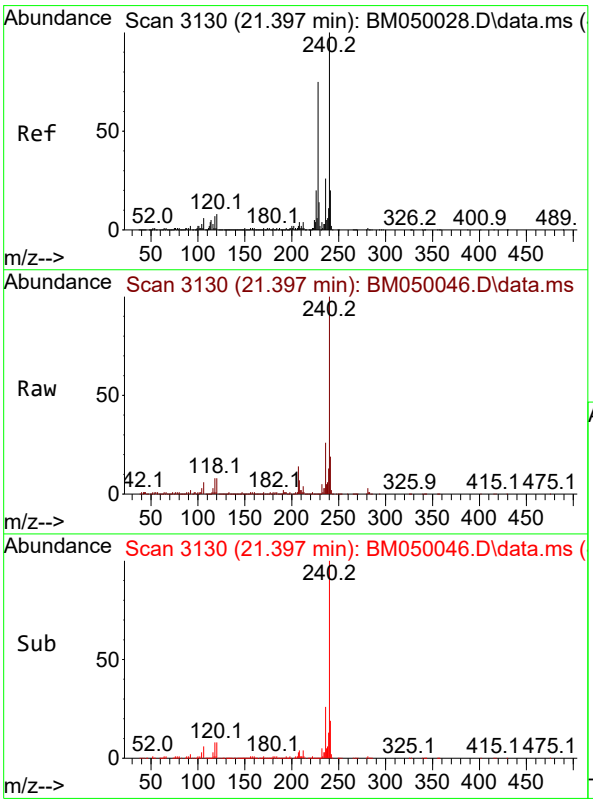
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.156 min Scan# 24
Delta R.T. -0.001 min
Lab File: BM050046.D
Acq: 30 Apr 2025 15:25

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-29-042325

Tgt Ion:188 Resp: 1218690

Ion	Ratio	Lower	Upper
188	100		
94	7.4	5.7	8.5
80	7.8	6.2	9.4

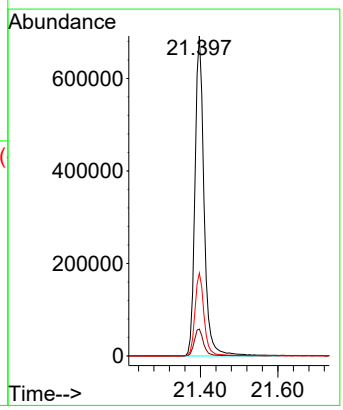


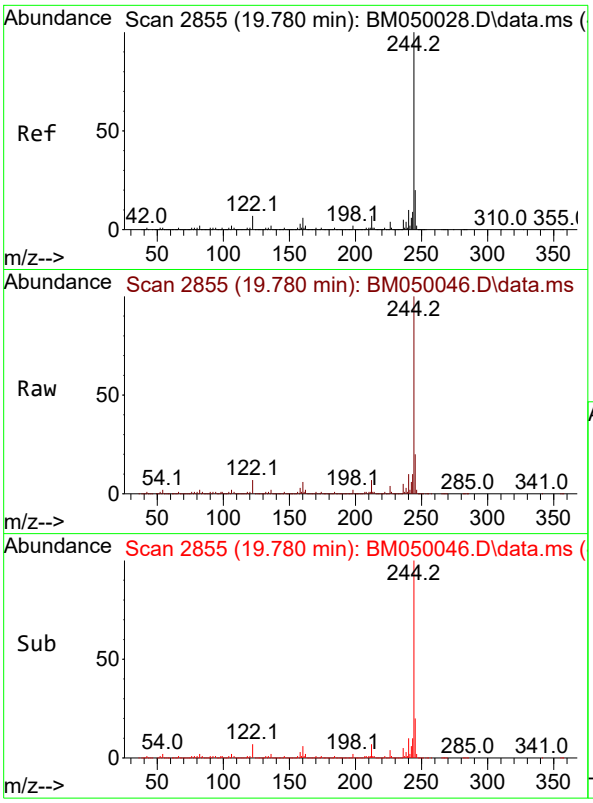


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3130
Delta R.T. 0.000 min
Lab File: BM050046.D
Acq: 30 Apr 2025 15:25

Tgt Ion:240 Resp: 1127978

Ion	Ratio	Lower	Upper
240	100		
120	8.4	6.5	9.7
236	25.9	20.9	31.3



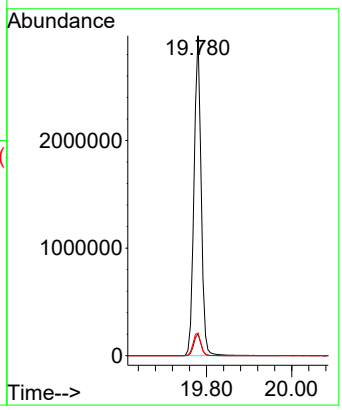


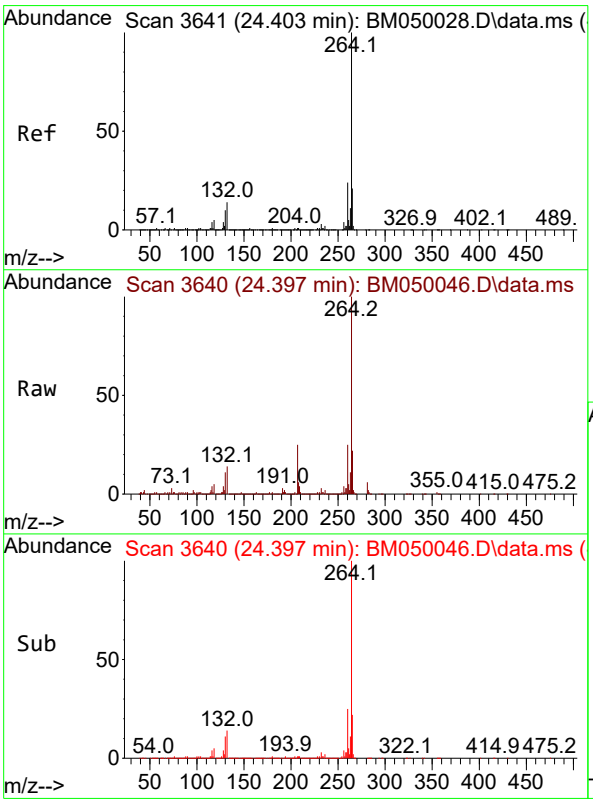
#79
Terphenyl-d14
Concen: 45.250 ng
RT: 19.780 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050046.D
Acq: 30 Apr 2025 15:25

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-29-042325

Tgt Ion:244 Resp: 3449316

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	7.0	5.6	8.4

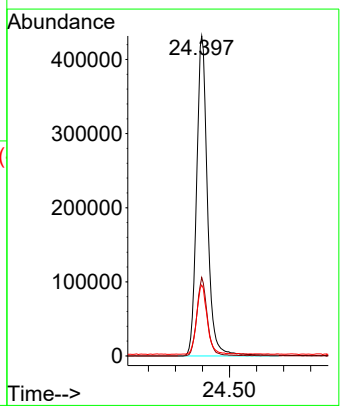




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.397 min Scan# 3640
Delta R.T. -0.006 min
Lab File: BM050046.D
Acq: 30 Apr 2025 15:25

Tgt Ion:264 Resp: 1211887

Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.8	28.2
265	22.1	17.0	25.4



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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-29-042325RX	SDG No.:	Q1883
Lab Sample ID:	Q1883-05RX	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95.7
Sample Wt/Vol:	30.05 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024525.D	1	05/02/25 10:10	05/05/25 14:43	PB167836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.14	U	0.024	0.14	0.18	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.027	0.14	0.18	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.030	0.14	0.18	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.022	0.14	0.18	mg/Kg
86-73-7	Fluorene	0.14	U	0.026	0.14	0.18	mg/Kg
85-01-8	Phenanthrene	0.14	U	0.022	0.14	0.18	mg/Kg
120-12-7	Anthracene	0.14	U	0.035	0.14	0.18	mg/Kg
206-44-0	Fluoranthene	0.14	U	0.031	0.14	0.18	mg/Kg
129-00-0	Pyrene	0.14	U	0.038	0.14	0.18	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	U	0.024	0.14	0.18	mg/Kg
218-01-9	Chrysene	0.14	U	0.021	0.14	0.18	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.14	U	0.020	0.14	0.18	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.14	U	0.023	0.14	0.18	mg/Kg
50-32-8	Benzo(a)pyrene	0.14	U	0.031	0.14	0.18	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	U	0.030	0.14	0.18	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.029	0.14	0.18	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.14	U	0.027	0.14	0.18	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	35.9	*	37 - 122		36%	SPK: 100
321-60-8	2-Fluorobiphenyl	36.5	*	44 - 115		36%	SPK: 100
1718-51-0	Terphenyl-d14	36.4	*	54 - 127		36%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	151000	7.705				
1146-65-2	Naphthalene-d8	588000	10.475				
15067-26-2	Acenaphthene-d10	359000	14.334				
1517-22-2	Phenanthrene-d10	711000	17.134				
1719-03-5	Chrysene-d12	848000	21.575				
1520-96-3	Perylene-d12	1060000	24.921				

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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-29-042325RX	SDG No.:	Q1883
Lab Sample ID:	Q1883-05RX	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95.7
Sample Wt/Vol:	30.05 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024525.D	1	05/02/25 10:10	05/05/25 14:43	PB167836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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\BP050525\
Data File : BP024525.D
Acq On : 05 May 2025 14:43
Operator : RC/JU
Sample : Q1883-05RX
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OU4-PCS-TC-29-042325RX

Quant Time: May 05 15:17:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

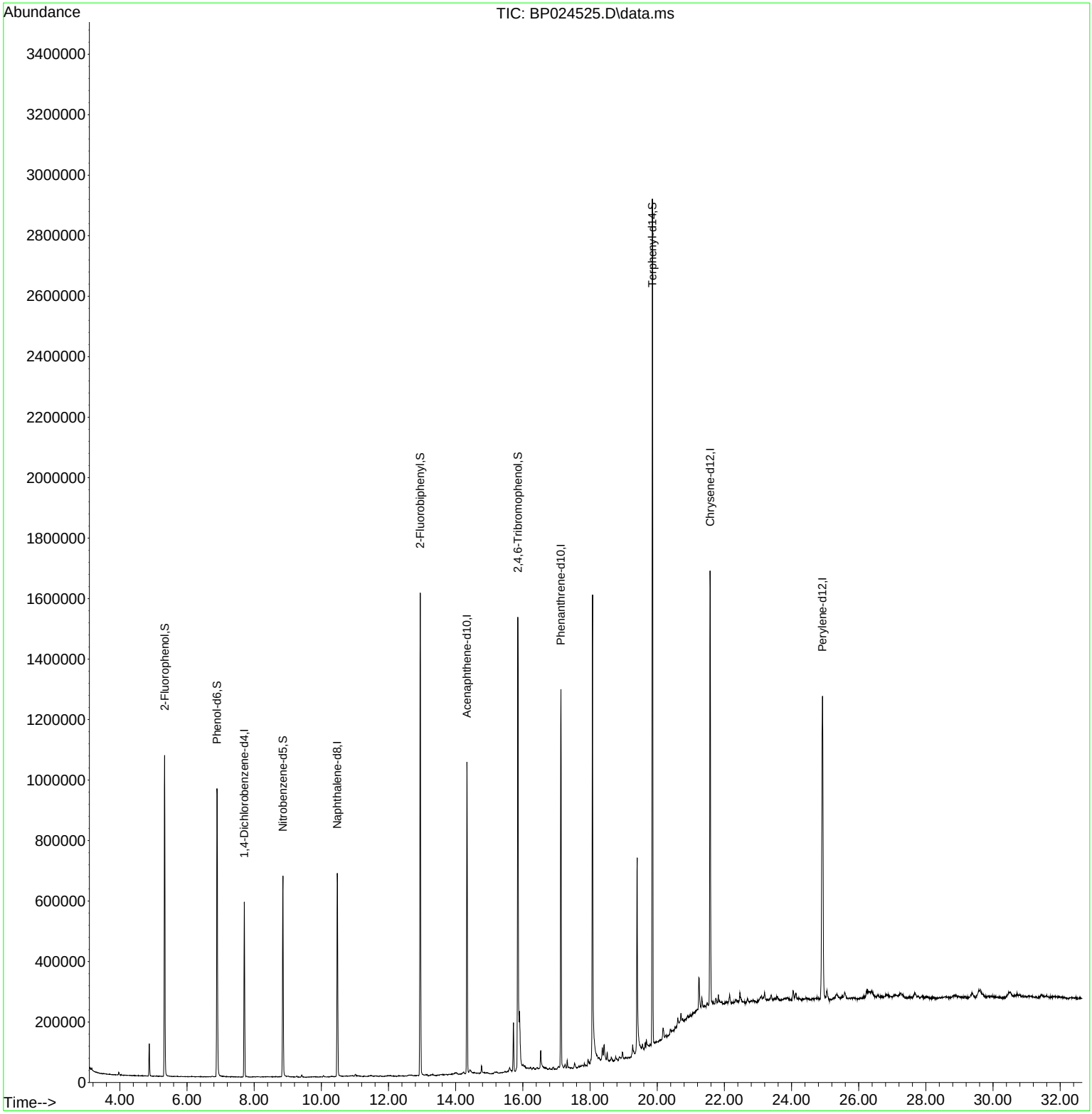
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.705	152	151485	20.000	ng	-0.02
21) Naphthalene-d8	10.475	136	587533	20.000	ng	-0.02
39) Acenaphthene-d10	14.334	164	359059	20.000	ng	-0.02
64) Phenanthrene-d10	17.134	188	711468	20.000	ng	-0.01
76) Chrysene-d12	21.575	240	847758	20.000	ng	-0.02
86) Perylene-d12	24.921	264	1056124	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	478244	52.200	ng	-0.01
7) Phenol-d6	6.893	99	604593	48.194	ng	-0.02
23) Nitrobenzene-d5	8.858	82	369780	35.888	ng	-0.01
42) 2,4,6-Tribromophenol	15.851	330	306321	61.662	ng	-0.01
45) 2-Fluorobiphenyl	12.946	172	855519	36.481	ng	-0.02
79) Terphenyl-d14	19.857	244	1532767	36.443	ng	-0.02
Target Compounds						Qvalue

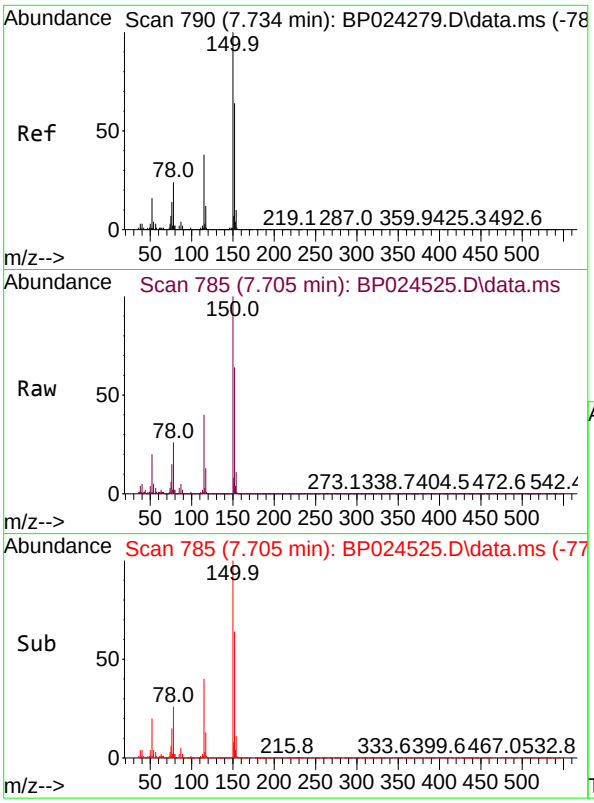
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050525\
Data File : BP024525.D
Acq On : 05 May 2025 14:43
Operator : RC/JU
Sample : Q1883-05RX
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OU4-PCS-TC-29-042325RX

Quant Time: May 05 15:17:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration



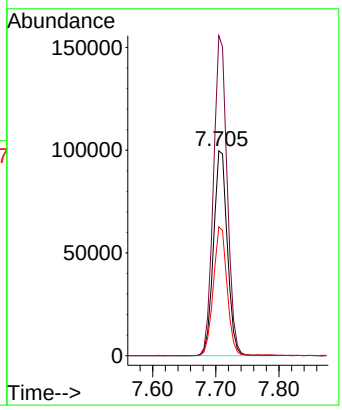


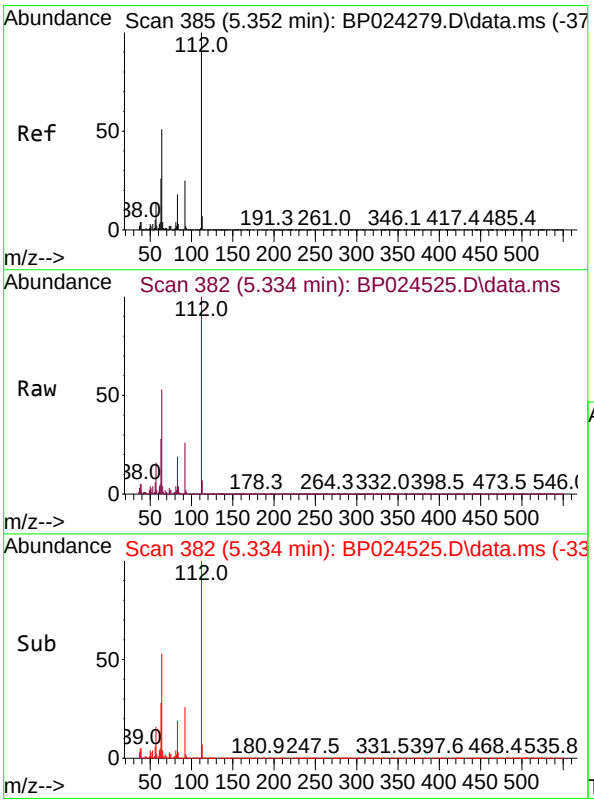
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.705 min Scan# 7
Delta R.T. -0.017 min
Lab File: BP024525.D
Acq: 05 May 2025 14:43

Instrument :
BNA_P
ClientSampleId :
OU4-PCS-TC-29-042325RX

Tgt Ion:152 Resp: 151485

Ion	Ratio	Lower	Upper
152	100		
150	156.3	124.9	187.3
115	62.9	47.7	71.5

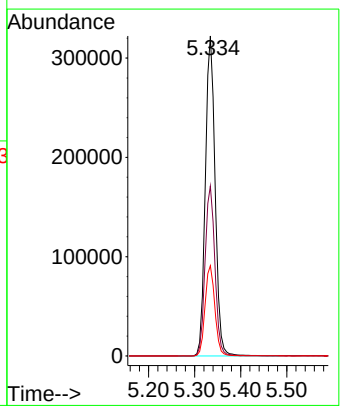


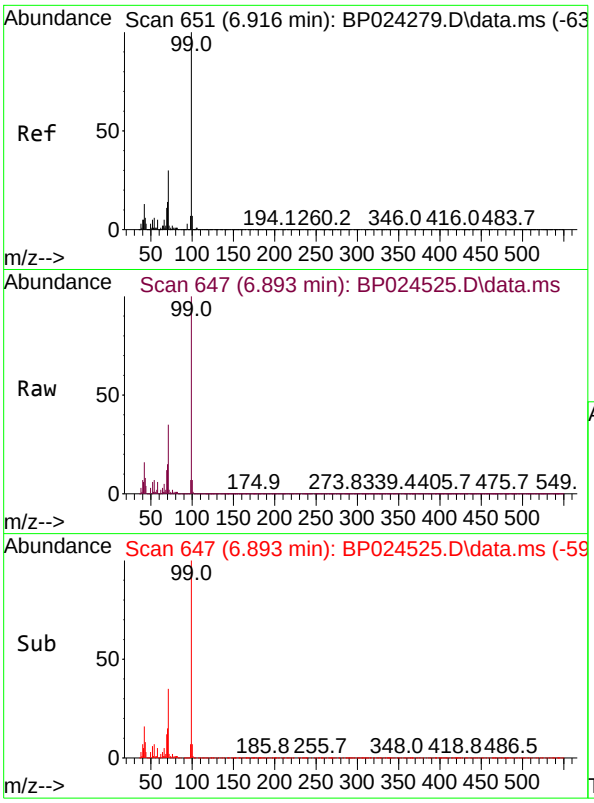


#5
2-Fluorophenol
Concen: 52.200 ng
RT: 5.334 min Scan# 382
Delta R.T. -0.012 min
Lab File: BP024525.D
Acq: 05 May 2025 14:43

Tgt Ion:112 Resp: 478244

Ion	Ratio	Lower	Upper
112	100		
64	53.1	41.1	61.7
63	28.2	20.6	30.8



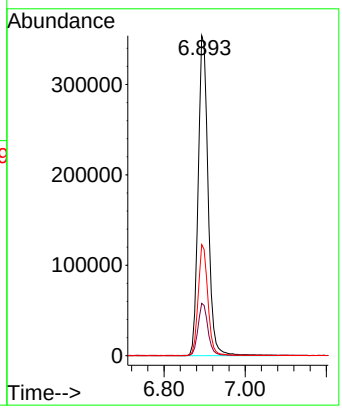


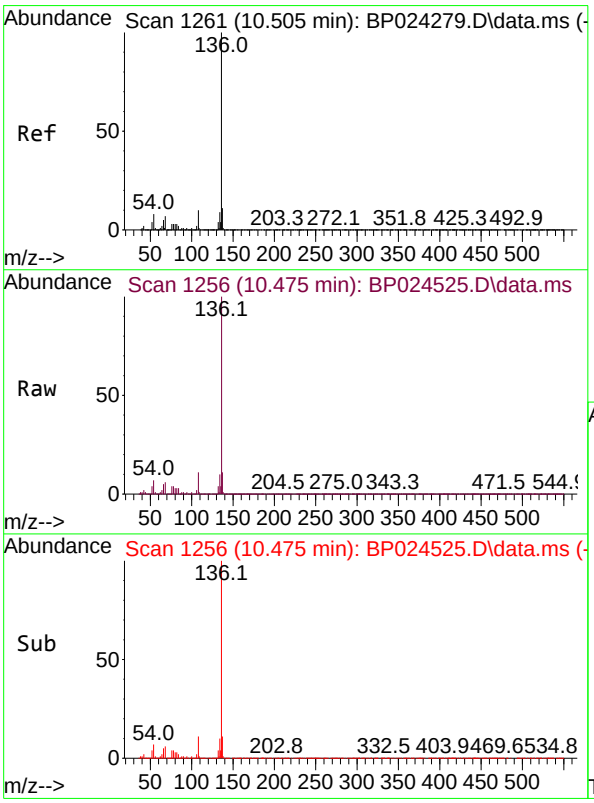
#7
Phenol-d6
Concen: 48.194 ng
RT: 6.893 min Scan# 64
Delta R.T. -0.018 min
Lab File: BP024525.D
Acq: 05 May 2025 14:43

Instrument :
BNA_P
ClientSampleId :
OU4-PCS-TC-29-042325RX

Tgt Ion: 99 Resp: 604593

Ion	Ratio	Lower	Upper
99	100		
42	16.3	10.6	16.0#
71	34.7	23.7	35.5

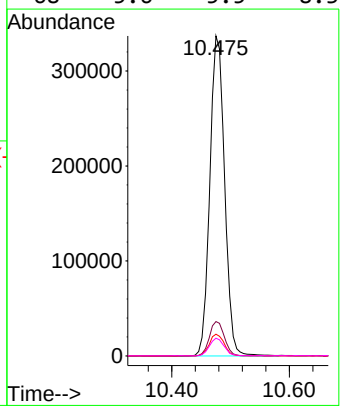


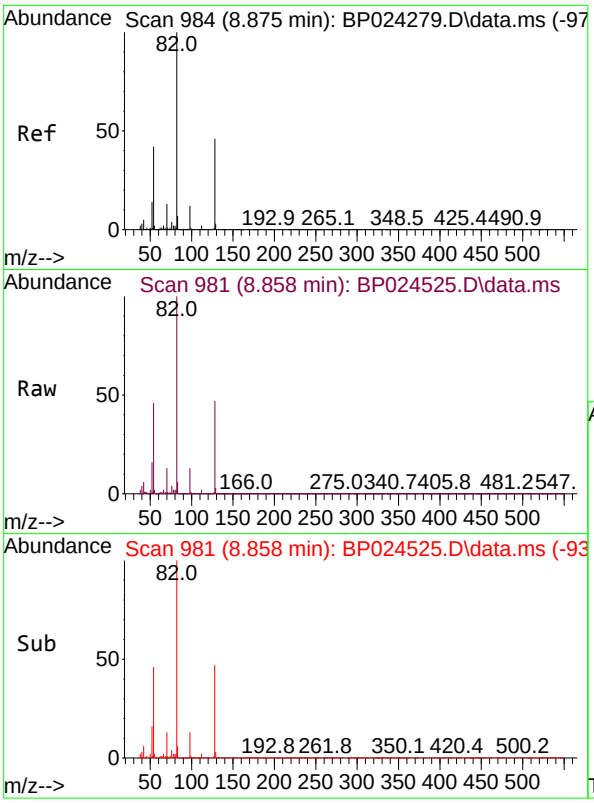


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.475 min Scan# 1256
Delta R.T. -0.023 min
Lab File: BP024525.D
Acq: 05 May 2025 14:43

Tgt Ion:136 Resp: 587533

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	6.8	6.0	9.0
68	5.6	5.5	8.3



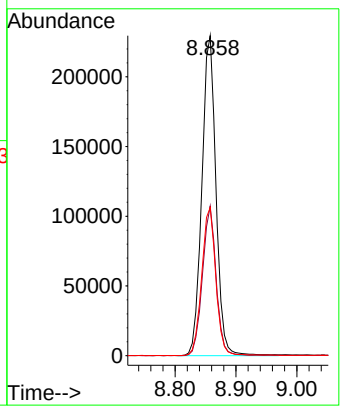


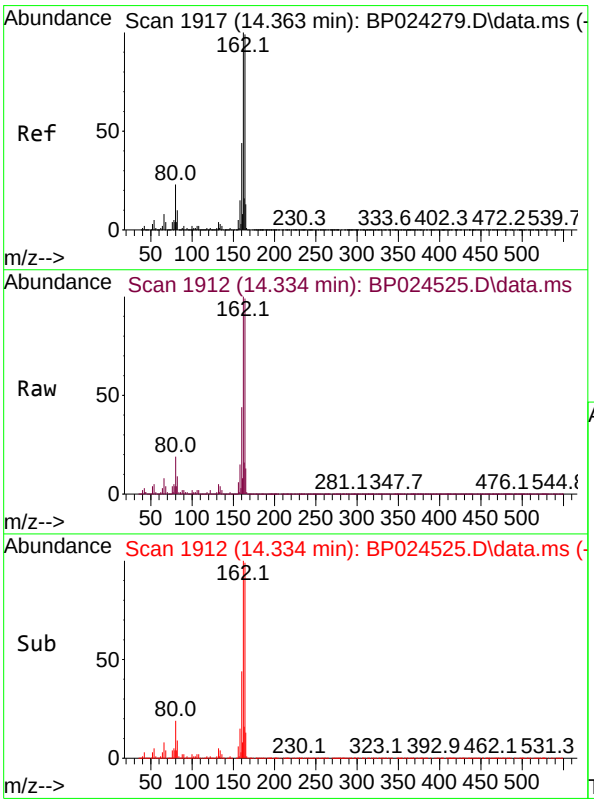
#23
Nitrobenzene-d5
Concen: 35.888 ng
RT: 8.858 min Scan# 9
Delta R.T. -0.012 min
Lab File: BP024525.D
Acq: 05 May 2025 14:43

Instrument :
BNA_P
ClientSampleId :
OU4-PCS-TC-29-042325RX

Tgt Ion: 82 Resp: 369780

Ion	Ratio	Lower	Upper
82	100		
128	46.7	36.5	54.7
54	46.3	33.4	50.2

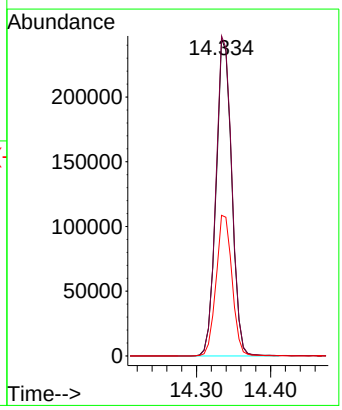


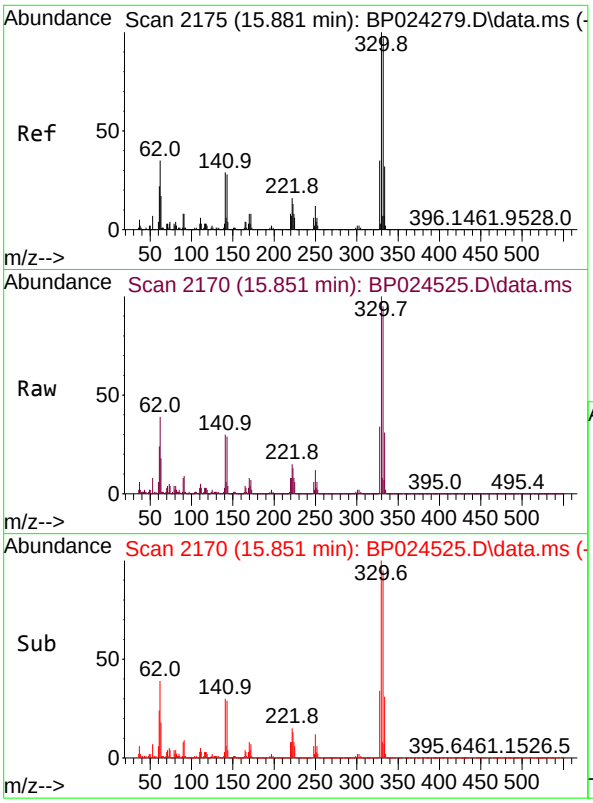


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.334 min Scan# 1912
Delta R.T. -0.017 min
Lab File: BP024525.D
Acq: 05 May 2025 14:43

Tgt Ion:164 Resp: 359059

Ion	Ratio	Lower	Upper
164	100		
162	100.9	80.6	120.8
160	44.3	35.3	52.9



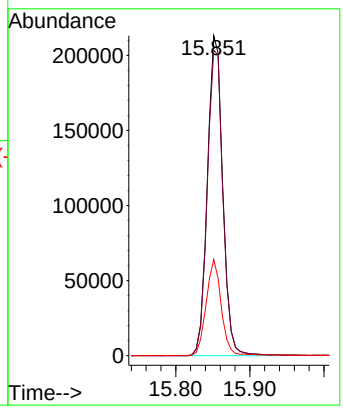


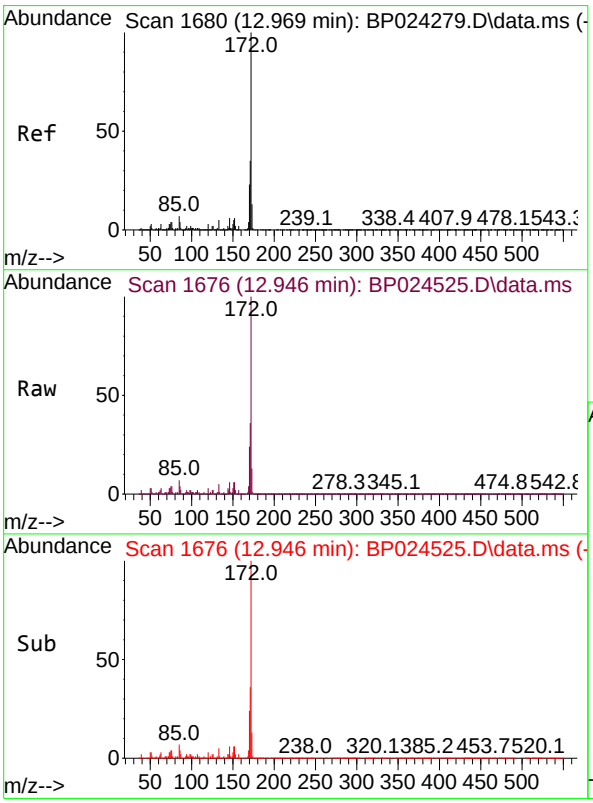
#42
2,4,6-Tribromophenol
Concen: 61.662 ng
RT: 15.851 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP024525.D
Acq: 05 May 2025 14:43

Instrument :
BNA_P
ClientSampleId :
OU4-PCS-TC-29-042325RX

Tgt Ion:330 Resp: 306321

Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.1	115.7
141	29.7	24.7	37.1

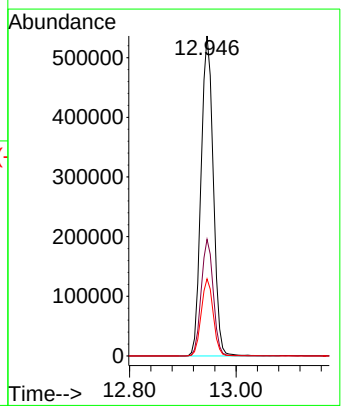


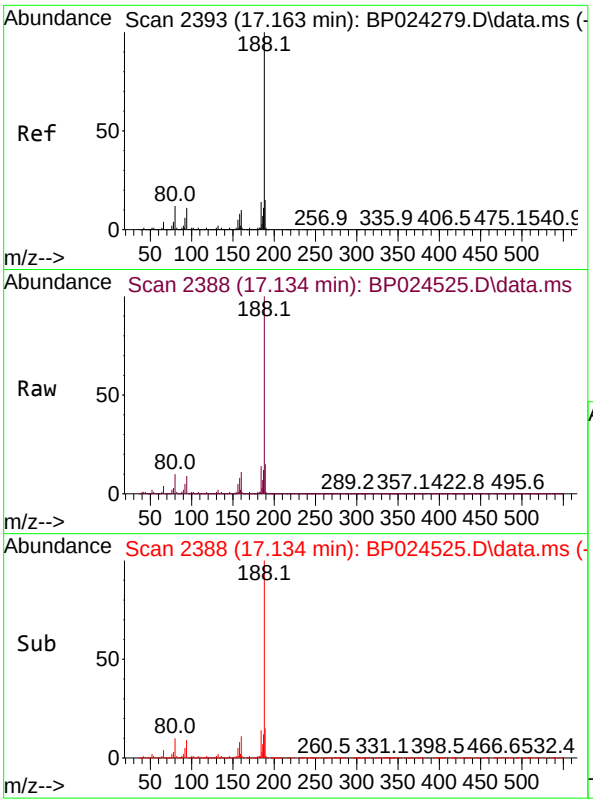


#45
2-Fluorobiphenyl
Concen: 36.481 ng
RT: 12.946 min Scan# 1676
Delta R.T. -0.018 min
Lab File: BP024525.D
Acq: 05 May 2025 14:43

Tgt Ion:172 Resp: 855519

Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.2	42.2
170	24.1	18.6	27.8



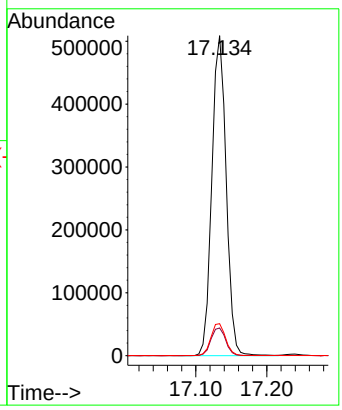


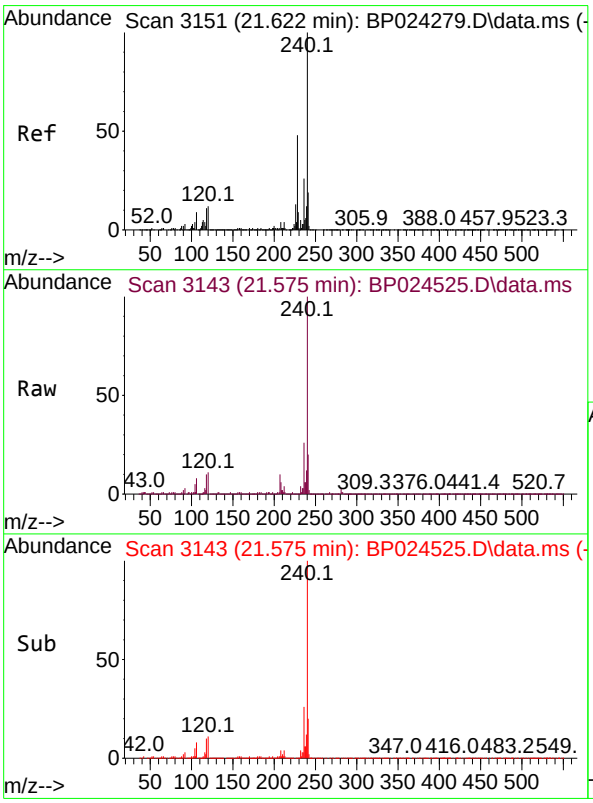
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.134 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024525.D
Acq: 05 May 2025 14:43

Instrument :
BNA_P
ClientSampleId :
OU4-PCS-TC-29-042325RX

Tgt Ion:188 Resp: 711468

Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.6	13.0
80	10.0	9.8	14.6

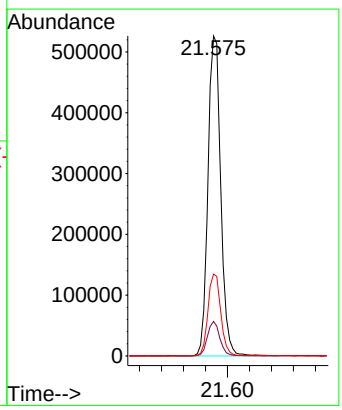


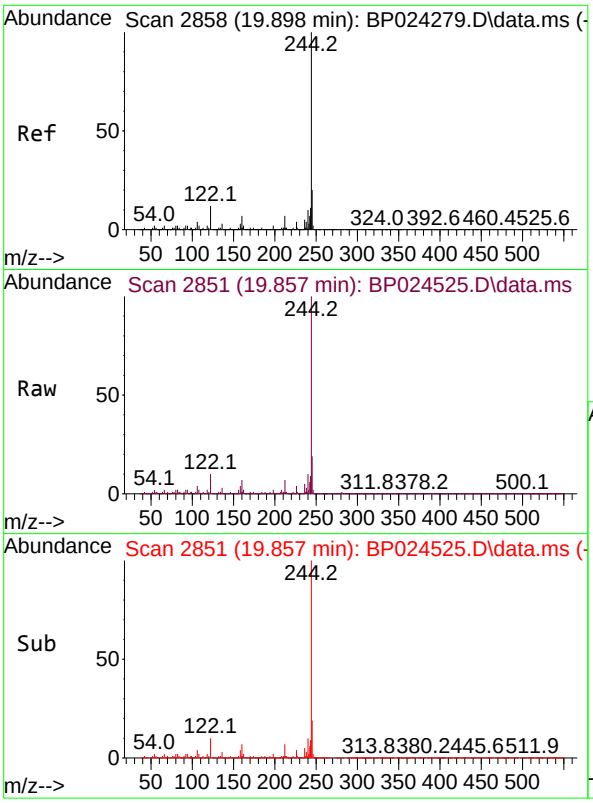


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.575 min Scan# 3143
Delta R.T. -0.017 min
Lab File: BP024525.D
Acq: 05 May 2025 14:43

Tgt Ion:240 Resp: 847758

Ion	Ratio	Lower	Upper
240	100		
120	10.8	9.8	14.8
236	25.6	20.9	31.3



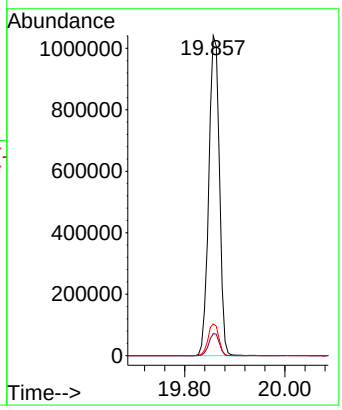


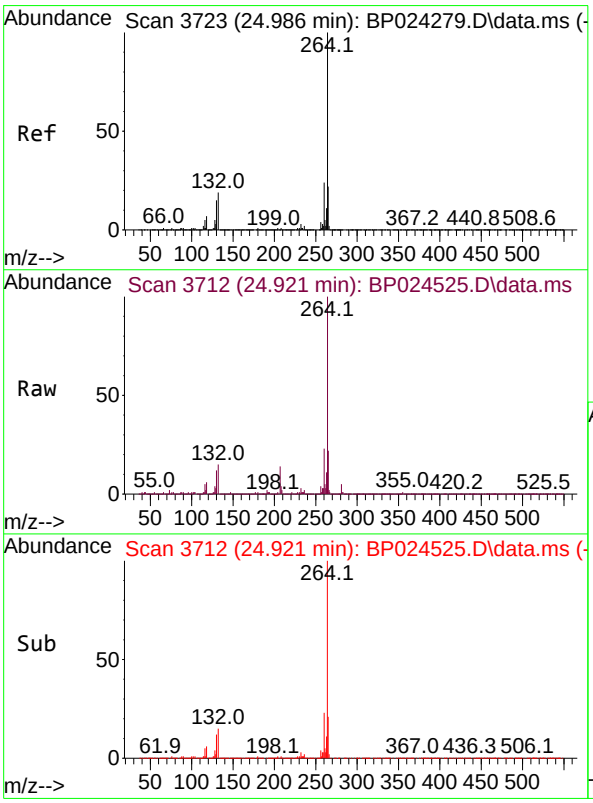
#79
Terphenyl-d14
Concen: 36.443 ng
RT: 19.857 min Scan# 2
Delta R.T. -0.017 min
Lab File: BP024525.D
Acq: 05 May 2025 14:43

Instrument :
BNA_P
ClientSampleId :
OU4-PCS-TC-29-042325RX

Tgt Ion:244 Resp: 1532767

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	9.9	9.4	14.0

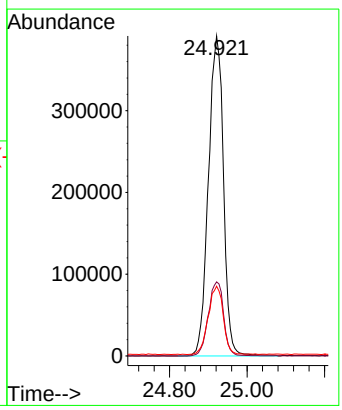




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.921 min Scan# 3712
Delta R.T. -0.012 min
Lab File: BP024525.D
Acq: 05 May 2025 14:43

Tgt Ion:264 Resp: 1056124

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.9	28.3
265	21.8	17.8	26.6



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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-30-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.5
Sample Wt/Vol:	30.05 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050047.D	1	04/28/25 09:45	04/30/25 16:04	PB167767

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.13	U	0.024	0.13	0.18	mg/Kg
91-57-6	2-Methylnaphthalene	0.13	U	0.027	0.13	0.18	mg/Kg
208-96-8	Acenaphthylene	0.13	U	0.030	0.13	0.18	mg/Kg
83-32-9	Acenaphthene	0.13	U	0.022	0.13	0.18	mg/Kg
86-73-7	Fluorene	0.13	U	0.026	0.13	0.18	mg/Kg
85-01-8	Phenanthrene	0.13	U	0.022	0.13	0.18	mg/Kg
120-12-7	Anthracene	0.13	U	0.035	0.13	0.18	mg/Kg
206-44-0	Fluoranthene	0.13	U	0.031	0.13	0.18	mg/Kg
129-00-0	Pyrene	0.13	U	0.037	0.13	0.18	mg/Kg
56-55-3	Benzo(a)anthracene	0.13	U	0.024	0.13	0.18	mg/Kg
218-01-9	Chrysene	0.13	U	0.021	0.13	0.18	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.13	U	0.020	0.13	0.18	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.13	U	0.023	0.13	0.18	mg/Kg
50-32-8	Benzo(a)pyrene	0.13	U	0.031	0.13	0.18	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.13	U	0.030	0.13	0.18	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.13	U	0.028	0.13	0.18	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.13	U	0.027	0.13	0.18	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	46.5		37 - 122		46%	SPK: 100
321-60-8	2-Fluorobiphenyl	45.6		44 - 115		46%	SPK: 100
1718-51-0	Terphenyl-d14	52.5	*	54 - 127		52%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	260000	7.763				
1146-65-2	Naphthalene-d8	901000	10.563				
15067-26-2	Acenaphthene-d10	611000	14.41				
1517-22-2	Phenanthrene-d10	1200000	17.157				
1719-03-5	Chrysene-d12	1120000	21.398				
1520-96-3	Perylene-d12	1190000	24.397				
TENTATIVE IDENTIFIED COMPOUNDS							

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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-30-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.5
Sample Wt/Vol:	30.05 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050047.D	1	04/28/25 09:45	04/30/25 16:04	PB167767

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972608	Alachlor	0	U			0	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050047.D
Acq On : 30 Apr 2025 16:04
Operator : RC/JU
Sample : Q1883-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-30-042325

Quant Time: Apr 30 16:48:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

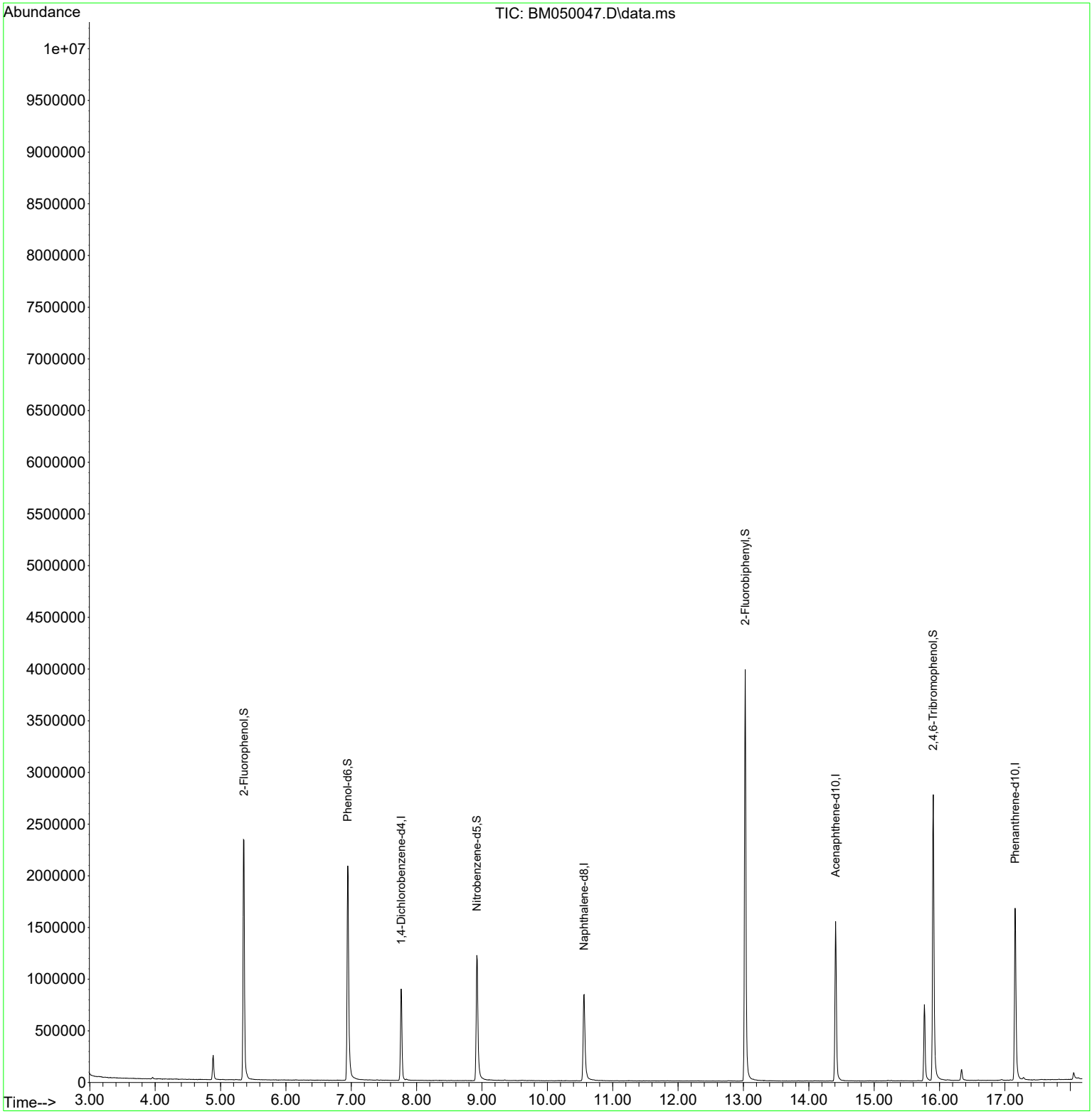
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	260024	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	900861	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	611222	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1203959	20.000	ng	0.00
76) Chrysene-d12	21.398	240	1120360	20.000	ng	0.00
86) Perylene-d12	24.397	264	1185639	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1122604	75.599	ng	0.00
7) Phenol-d6	6.946	99	1391534	74.558	ng	0.00
23) Nitrobenzene-d5	8.922	82	849698	46.478	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	618120	68.393	ng	0.00
45) 2-Fluorobiphenyl	13.028	172	2354019	45.561	ng	0.00
79) Terphenyl-d14	19.780	244	3973012	52.474	ng	0.00
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050047.D
Acq On : 30 Apr 2025 16:04
Operator : RC/JU
Sample : Q1883-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-30-042325

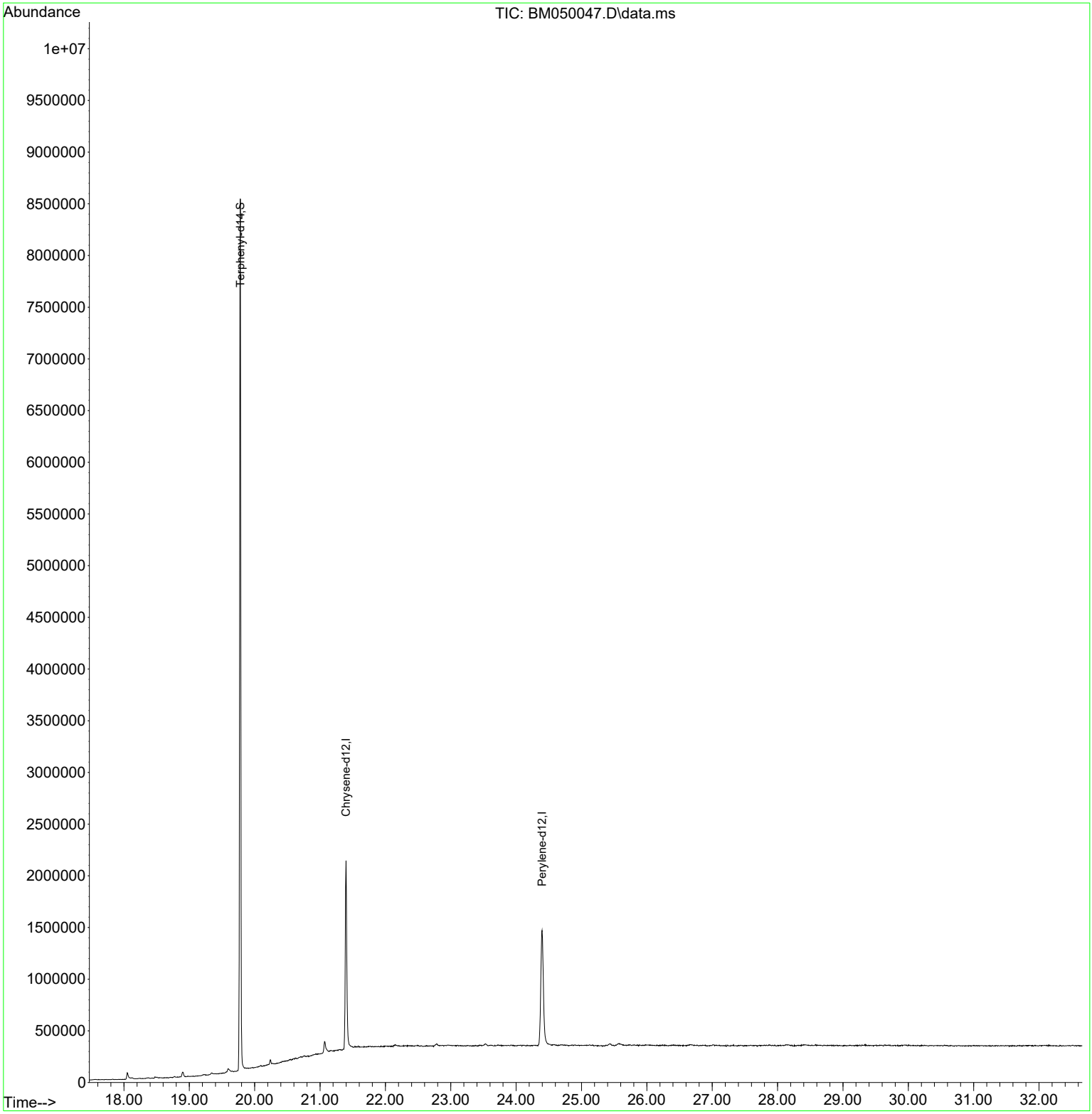
Quant Time: Apr 30 16:48:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

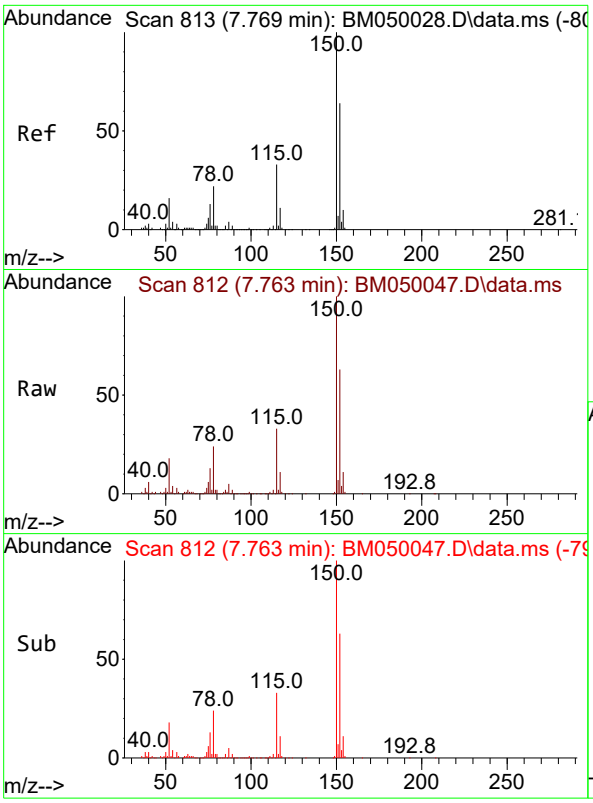


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050047.D
Acq On : 30 Apr 2025 16:04
Operator : RC/JU
Sample : Q1883-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-30-042325

Quant Time: Apr 30 16:48:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



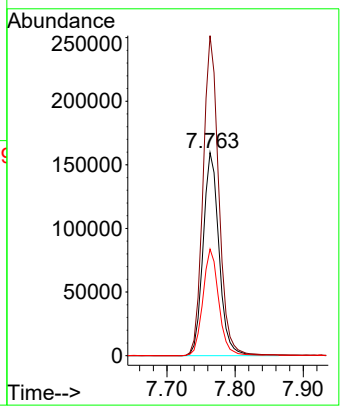


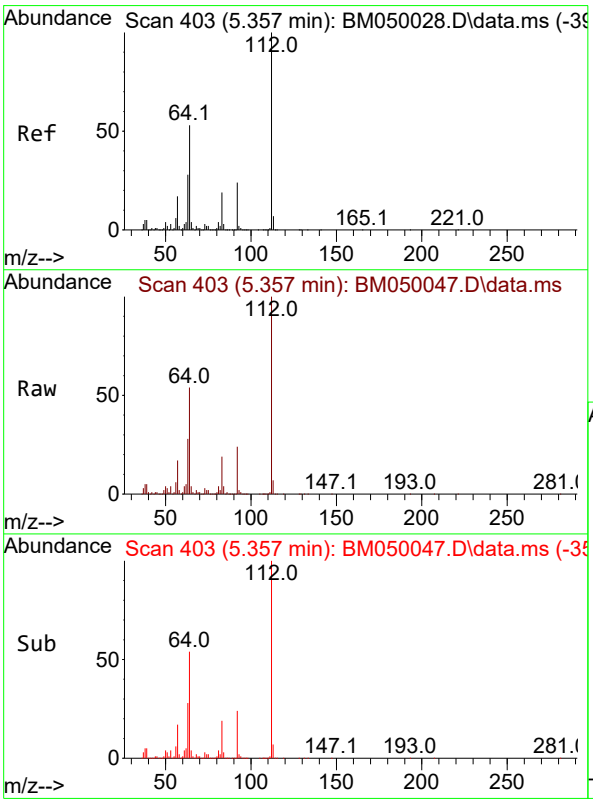
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM050047.D
Acq: 30 Apr 2025 16:04

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-30-042325

Tgt Ion:152 Resp: 260024

Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.1	186.1
115	52.5	41.2	61.8

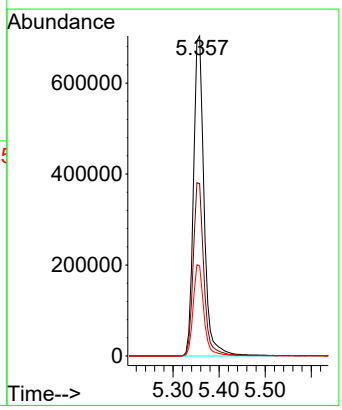


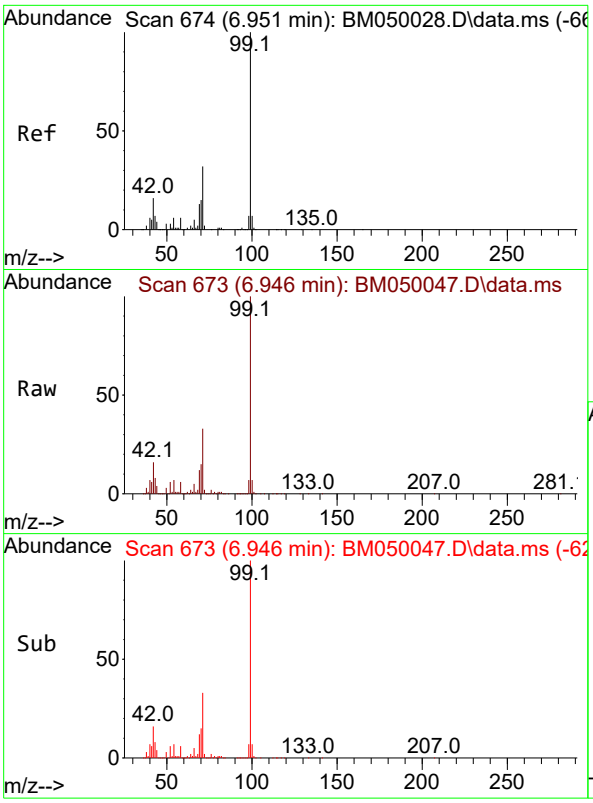


#5
2-Fluorophenol
Concen: 75.599 ng
RT: 5.357 min Scan# 403
Delta R.T. 0.000 min
Lab File: BM050047.D
Acq: 30 Apr 2025 16:04

Tgt Ion:112 Resp: 1122604

Ion	Ratio	Lower	Upper
112	100		
64	53.8	42.6	64.0
63	28.1	22.2	33.4



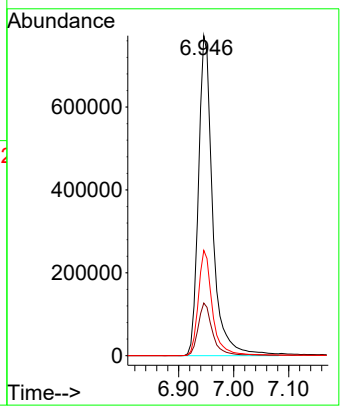


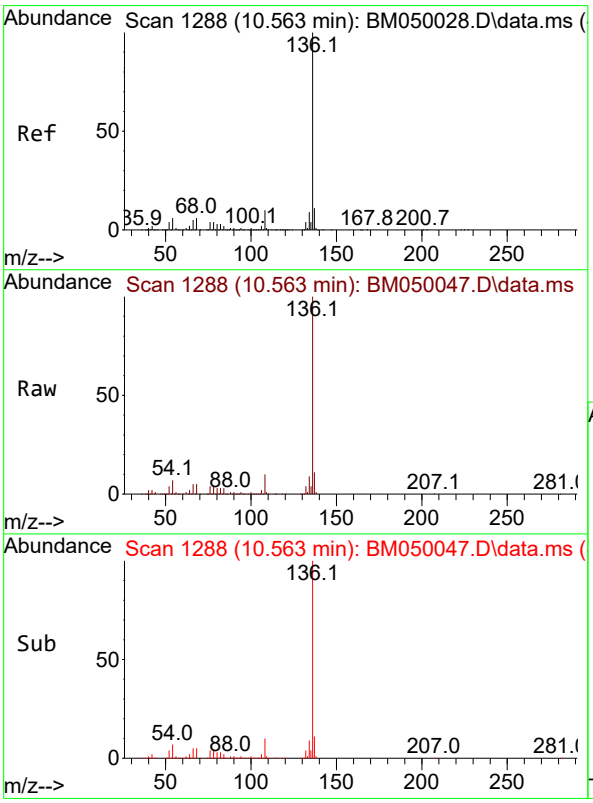
#7
Phenol-d6
Concen: 74.558 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM050047.D
Acq: 30 Apr 2025 16:04

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-30-042325

Tgt Ion: 99 Resp: 1391534

Ion	Ratio	Lower	Upper
99	100		
42	16.5	13.0	19.4
71	32.9	25.6	38.4

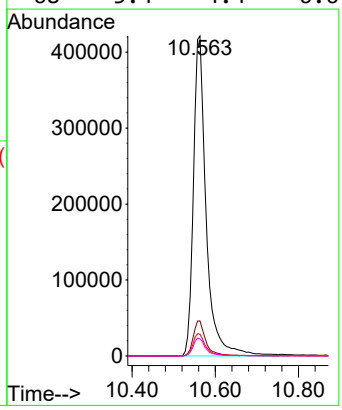


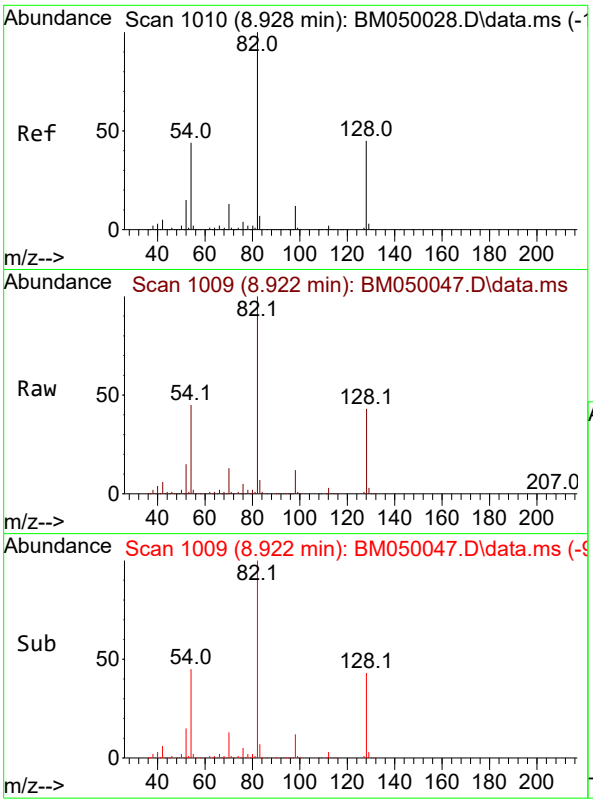


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1288
Delta R.T. 0.000 min
Lab File: BM050047.D
Acq: 30 Apr 2025 16:04

Tgt Ion:136 Resp: 900861

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.8	5.1	7.7
68	5.4	4.4	6.6



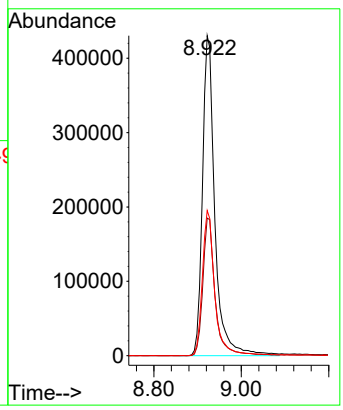


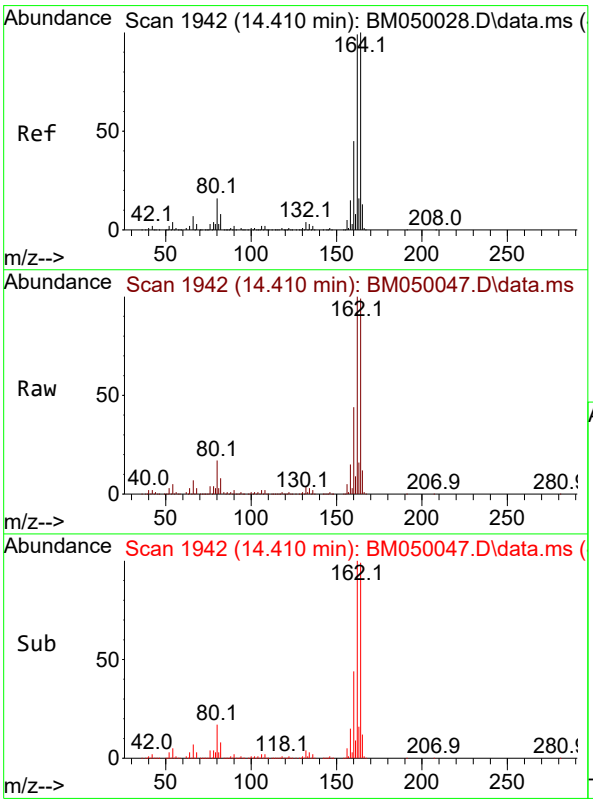
#23
Nitrobenzene-d5
Concen: 46.478 ng
RT: 8.922 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BM050047.D
Acq: 30 Apr 2025 16:04

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-30-042325

Tgt Ion: 82 Resp: 849698

Ion	Ratio	Lower	Upper
82	100		
128	43.0	35.7	53.5
54	45.4	35.4	53.2

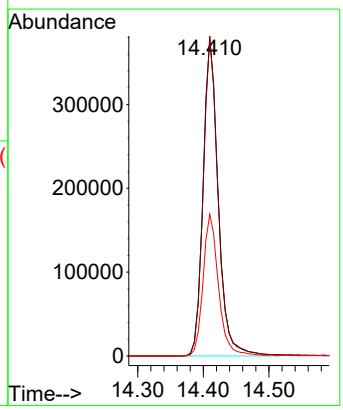


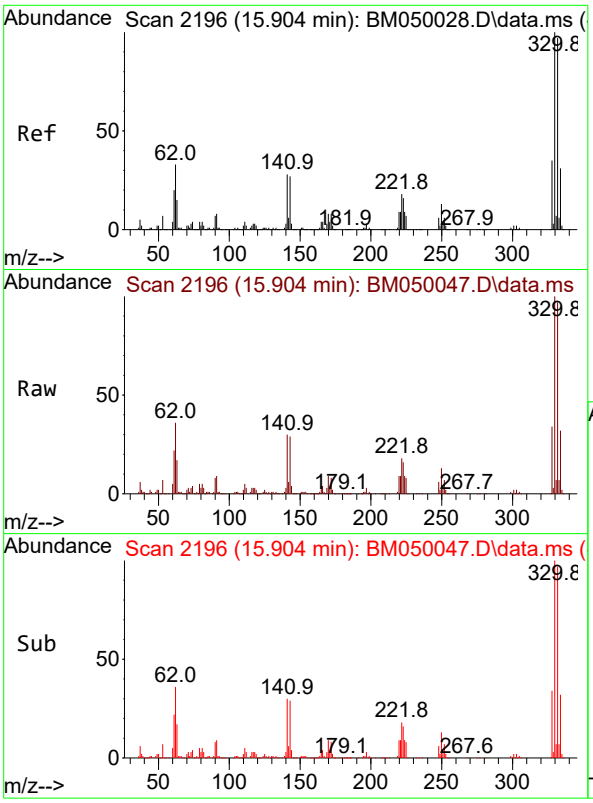


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.000 min
Lab File: BM050047.D
Acq: 30 Apr 2025 16:04

Tgt Ion:164 Resp: 611222

Ion	Ratio	Lower	Upper
164	100		
162	101.0	79.4	119.0
160	44.7	36.2	54.4



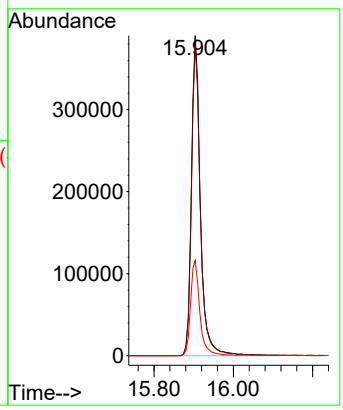


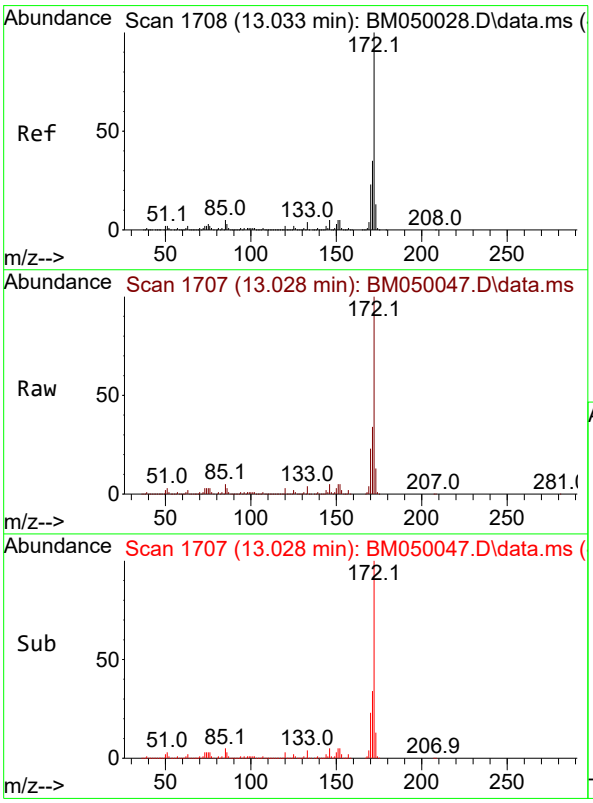
#42
2,4,6-Tribromophenol
Concen: 68.393 ng
RT: 15.904 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM050047.D
Acq: 30 Apr 2025 16:04

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-30-042325

Tgt Ion:330 Resp: 618120

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.3	115.9
141	30.8	22.5	33.7

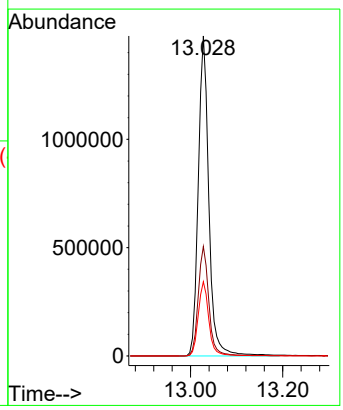


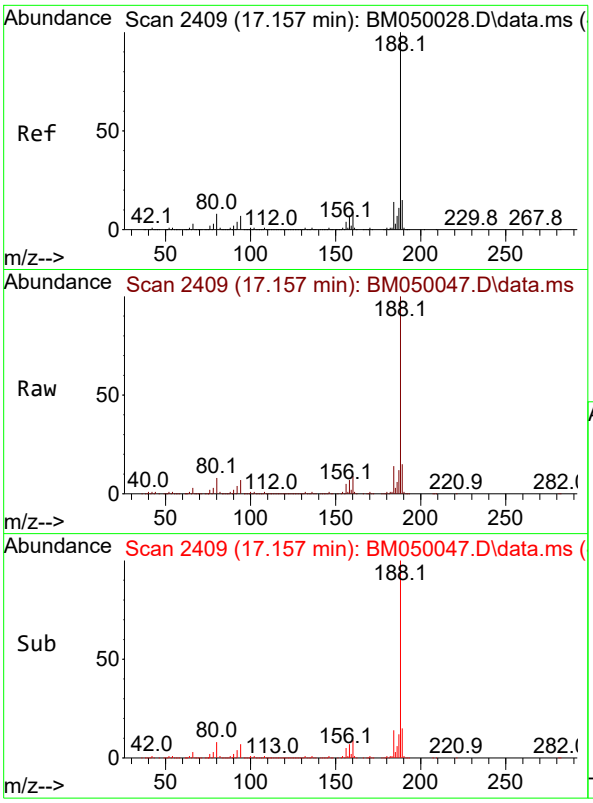


#45
2-Fluorobiphenyl
Concen: 45.561 ng
RT: 13.028 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BM050047.D
Acq: 30 Apr 2025 16:04

Tgt Ion:172 Resp: 2354019

Ion	Ratio	Lower	Upper
172	100		
171	34.2	27.8	41.6
170	23.2	18.6	28.0



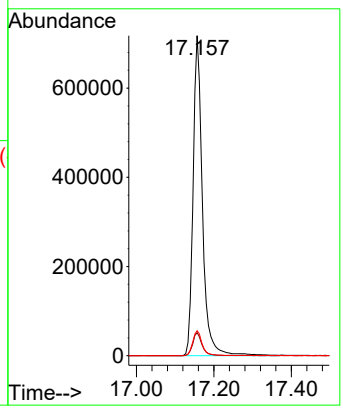


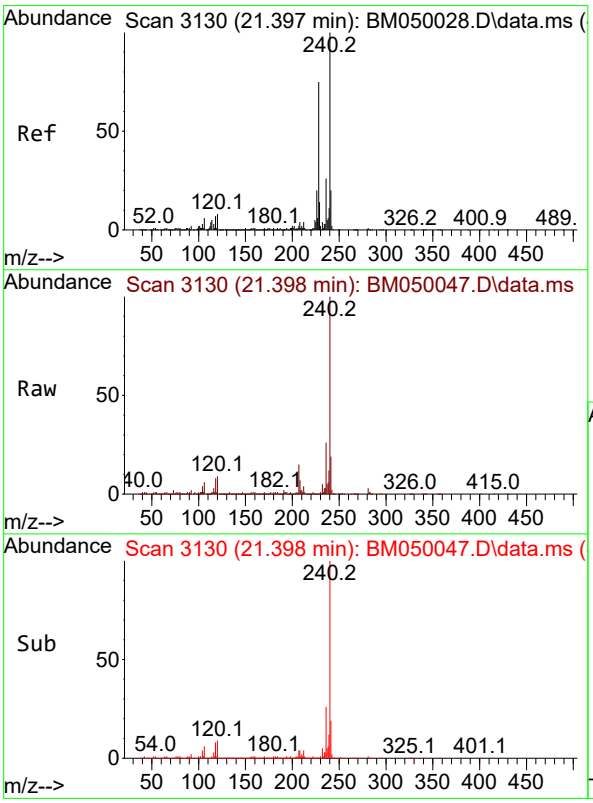
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM050047.D
Acq: 30 Apr 2025 16:04

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-30-042325

Tgt Ion:188 Resp: 1203959

Ion	Ratio	Lower	Upper
188	100		
94	7.2	5.7	8.5
80	7.8	6.2	9.4

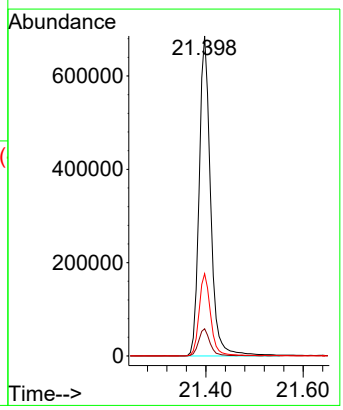


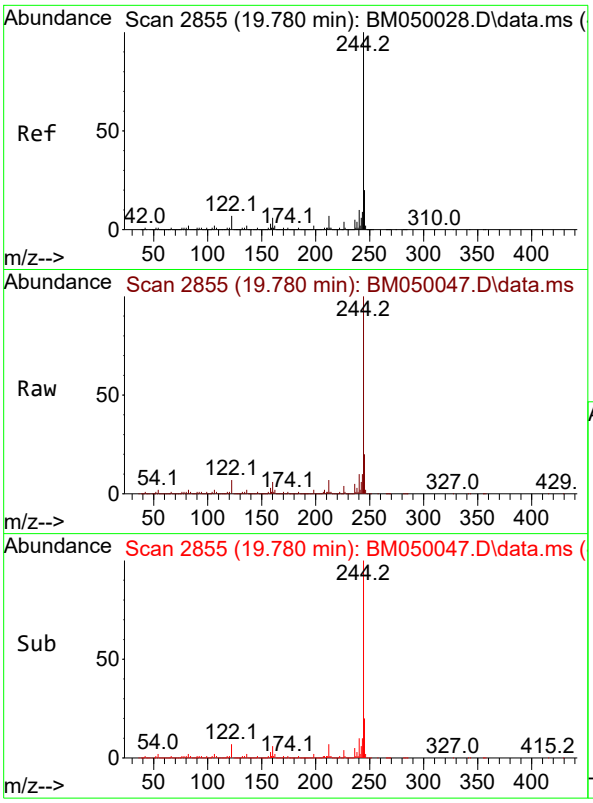


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.398 min Scan# 3130
Delta R.T. 0.001 min
Lab File: BM050047.D
Acq: 30 Apr 2025 16:04

Tgt Ion:240 Resp: 1120360

Ion	Ratio	Lower	Upper
240	100		
120	8.5	6.5	9.7
236	25.7	20.9	31.3



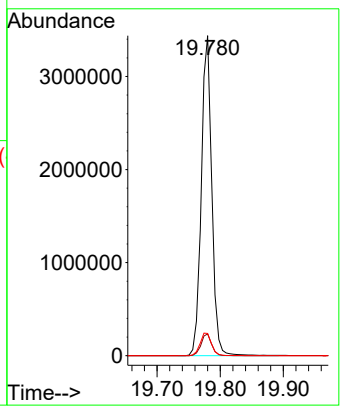


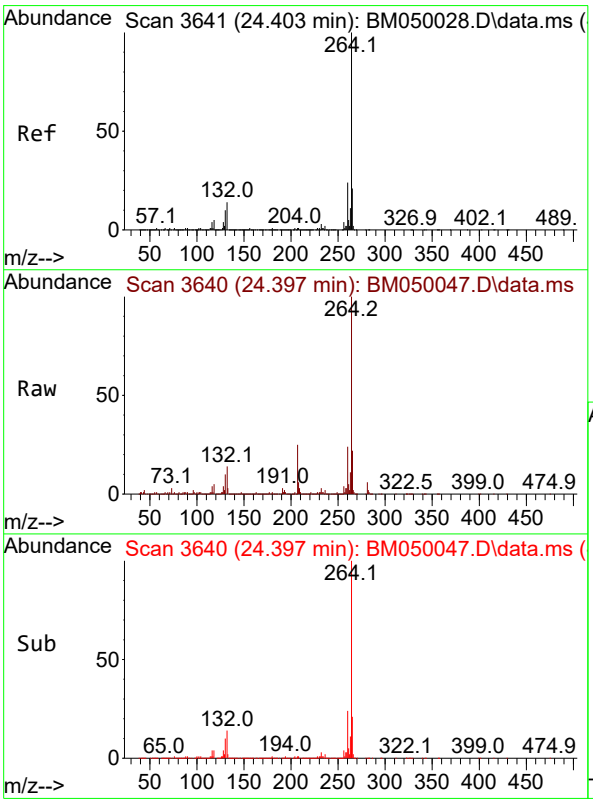
#79
Terphenyl-d14
Concen: 52.474 ng
RT: 19.780 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050047.D
Acq: 30 Apr 2025 16:04

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-30-042325

Tgt Ion:244 Resp: 3973012

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	7.0	5.6	8.4

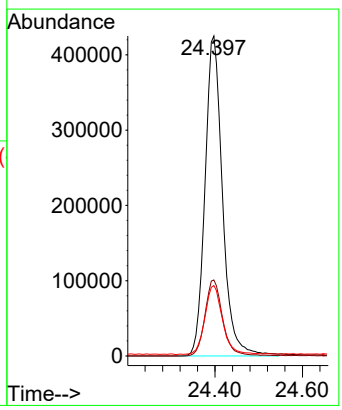




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.397 min Scan# 3640
Delta R.T. -0.006 min
Lab File: BM050047.D
Acq: 30 Apr 2025 16:04

Tgt Ion:264 Resp: 1185639

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.8	28.2
265	22.0	17.0	25.4



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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-31-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-09	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.9
Sample Wt/Vol:	30.04 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050048.D	1	04/28/25 09:45	04/30/25 16:44	PB167767

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.13	U	0.023	0.13	0.18	mg/Kg
91-57-6	2-Methylnaphthalene	0.13	U	0.026	0.13	0.18	mg/Kg
208-96-8	Acenaphthylene	0.13	U	0.030	0.13	0.18	mg/Kg
83-32-9	Acenaphthene	0.13	U	0.022	0.13	0.18	mg/Kg
86-73-7	Fluorene	0.13	U	0.026	0.13	0.18	mg/Kg
85-01-8	Phenanthrene	0.13	U	0.022	0.13	0.18	mg/Kg
120-12-7	Anthracene	0.13	U	0.034	0.13	0.18	mg/Kg
206-44-0	Fluoranthene	0.13	U	0.031	0.13	0.18	mg/Kg
129-00-0	Pyrene	0.13	U	0.037	0.13	0.18	mg/Kg
56-55-3	Benzo(a)anthracene	0.13	U	0.024	0.13	0.18	mg/Kg
218-01-9	Chrysene	0.13	U	0.021	0.13	0.18	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.13	U	0.020	0.13	0.18	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.13	U	0.023	0.13	0.18	mg/Kg
50-32-8	Benzo(a)pyrene	0.13	U	0.030	0.13	0.18	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.13	U	0.030	0.13	0.18	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.13	U	0.028	0.13	0.18	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.13	U	0.027	0.13	0.18	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	86.9		37 - 122		87%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.4		44 - 115		85%	SPK: 100
1718-51-0	Terphenyl-d14	102		54 - 127		102%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	240000	7.763				
1146-65-2	Naphthalene-d8	851000	10.563				
15067-26-2	Acenaphthene-d10	586000	14.41				
1517-22-2	Phenanthrene-d10	1150000	17.156				
1719-03-5	Chrysene-d12	1100000	21.397				
1520-96-3	Perylene-d12	1200000	24.397				
TENTATIVE IDENTIFIED COMPOUNDS							

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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-31-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-09	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.9
Sample Wt/Vol:	30.04 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050048.D	1	04/28/25 09:45	04/30/25 16:44	PB167767

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972608	Alachlor	0	U			0	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050048.D
Acq On : 30 Apr 2025 16:44
Operator : RC/JU
Sample : Q1883-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-31-042325

Quant Time: Apr 30 17:25:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

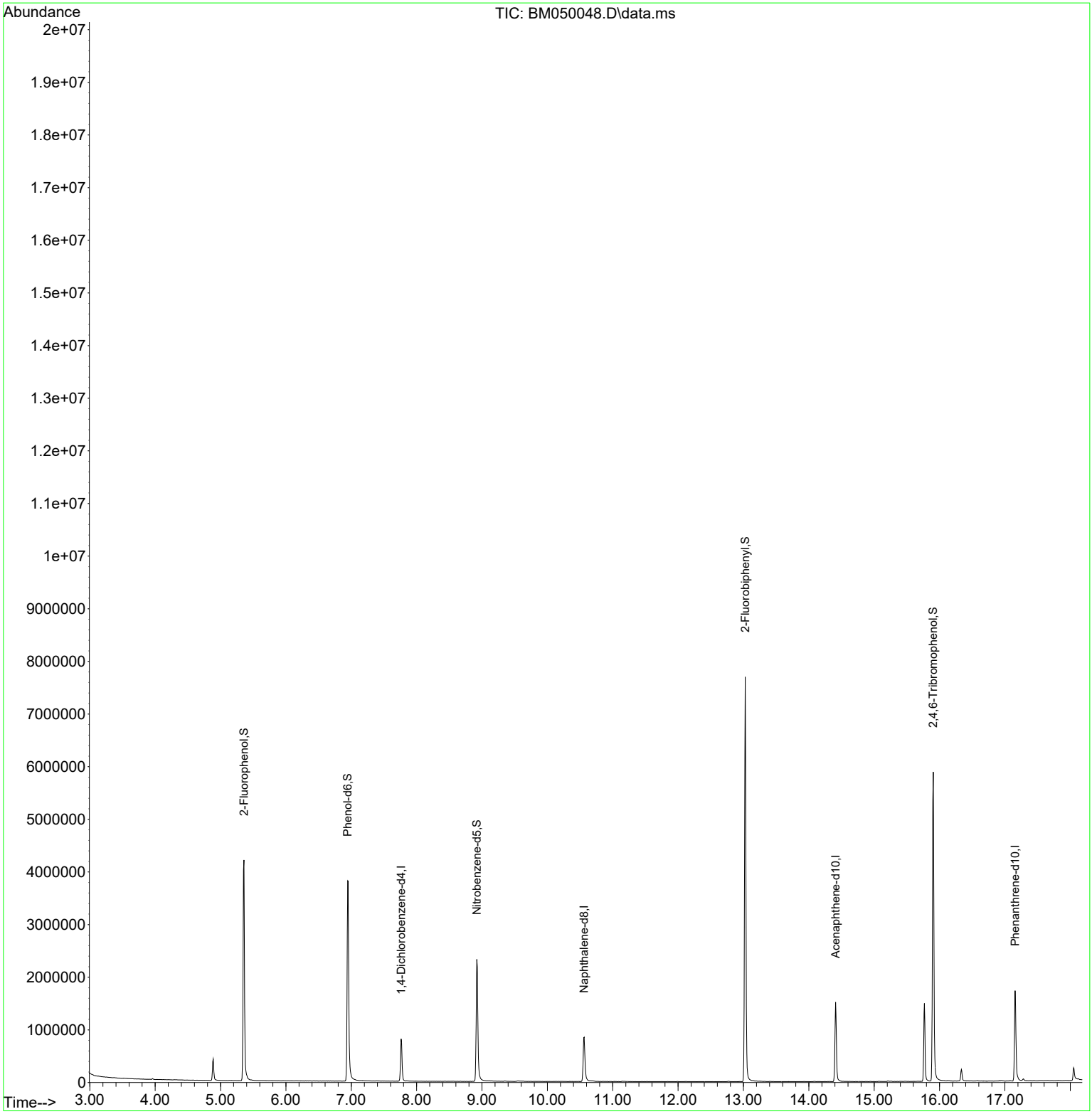
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	239985	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	850535	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	585821	20.000	ng	0.00
64) Phenanthrene-d10	17.156	188	1150756	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1103348	20.000	ng	0.00
86) Perylene-d12	24.397	264	1198598	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1961010	143.087	ng	0.00
7) Phenol-d6	6.945	99	2511498	145.802	ng	0.00
23) Nitrobenzene-d5	8.922	82	1499157	86.855	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	1299808	150.056	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	4228163	85.382	ng	0.00
79) Terphenyl-d14	19.780	244	7573310	101.569	ng	0.00
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050048.D
Acq On : 30 Apr 2025 16:44
Operator : RC/JU
Sample : Q1883-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-31-042325

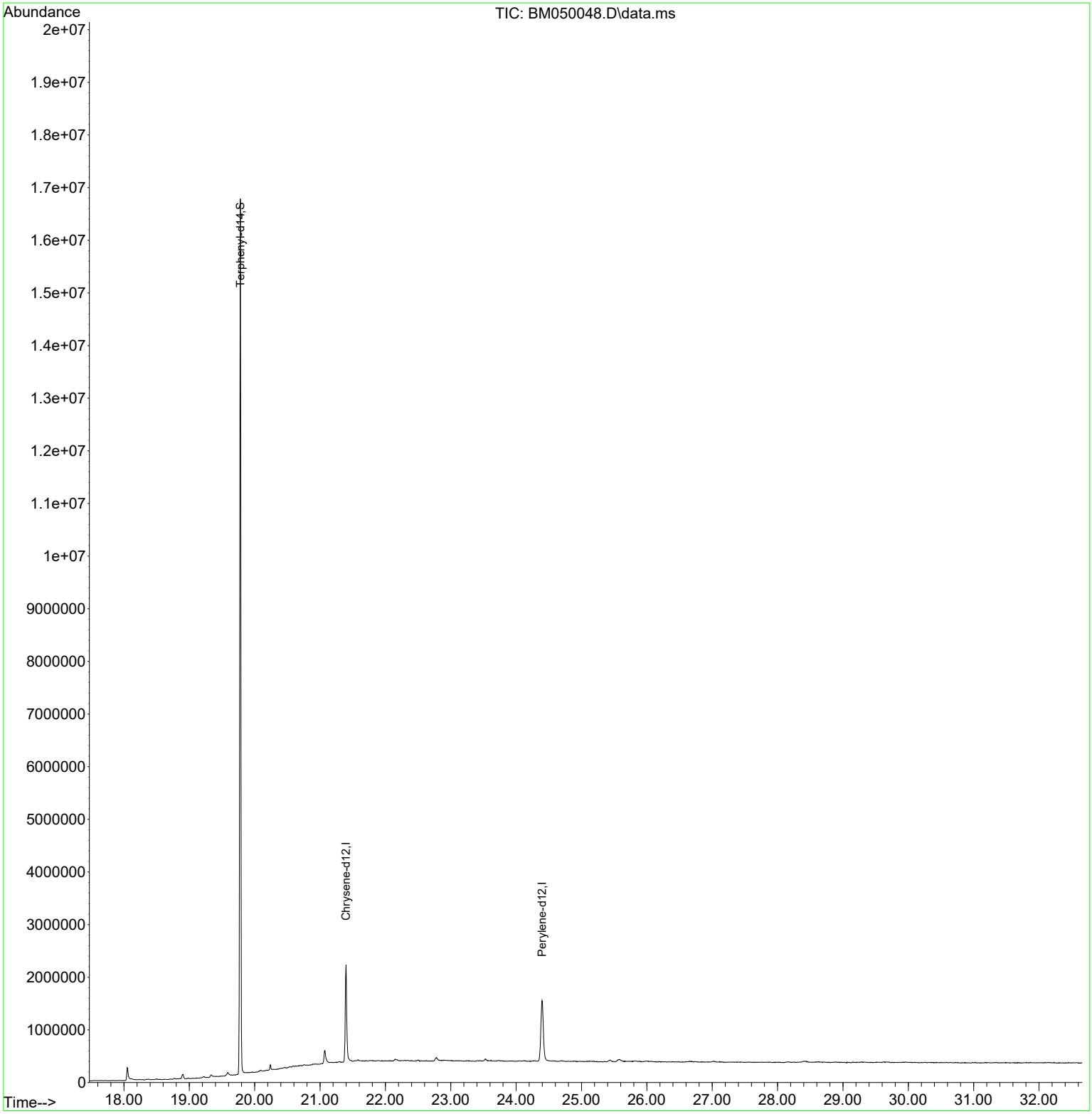
Quant Time: Apr 30 17:25:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

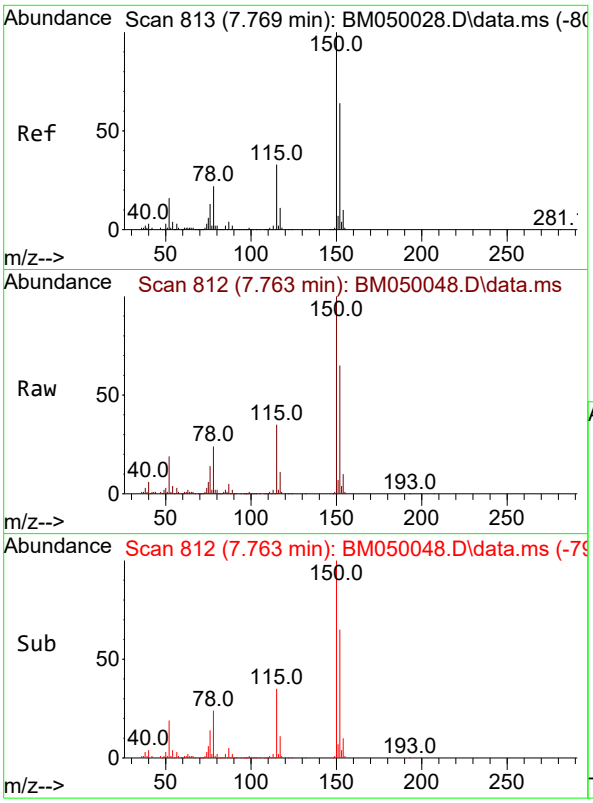


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050048.D
Acq On : 30 Apr 2025 16:44
Operator : RC/JU
Sample : Q1883-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-31-042325

Quant Time: Apr 30 17:25:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



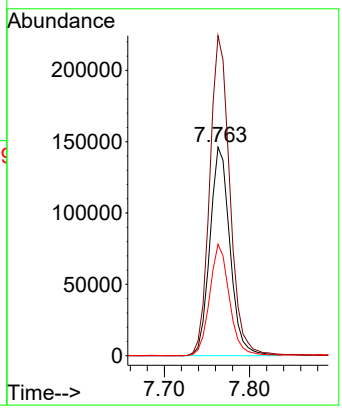


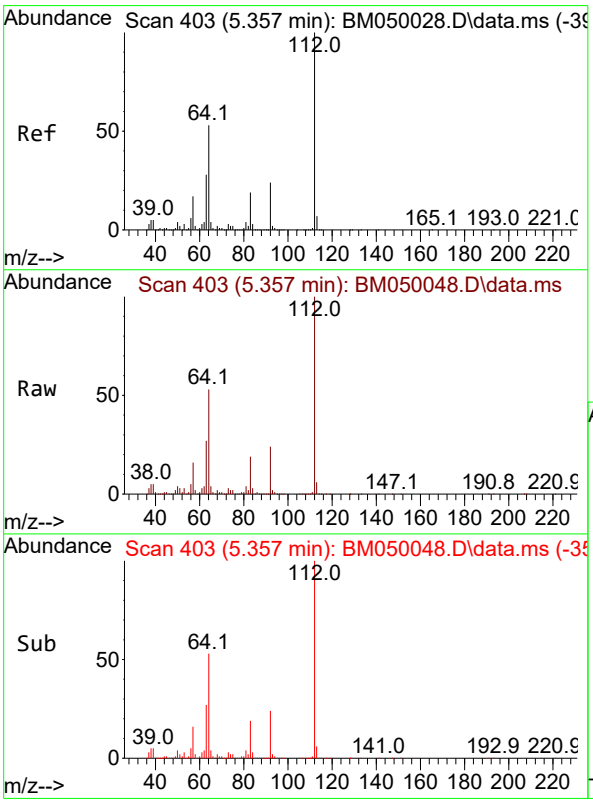
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM050048.D
Acq: 30 Apr 2025 16:44

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-31-042325

Tgt Ion:152 Resp: 239985

Ion	Ratio	Lower	Upper
152	100		
150	153.5	124.1	186.1
115	53.4	41.2	61.8

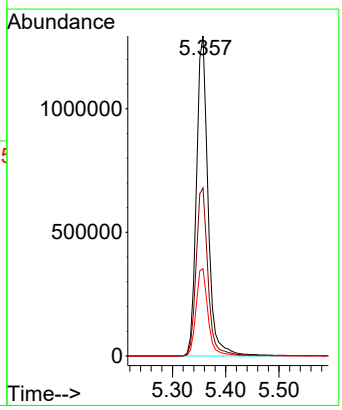


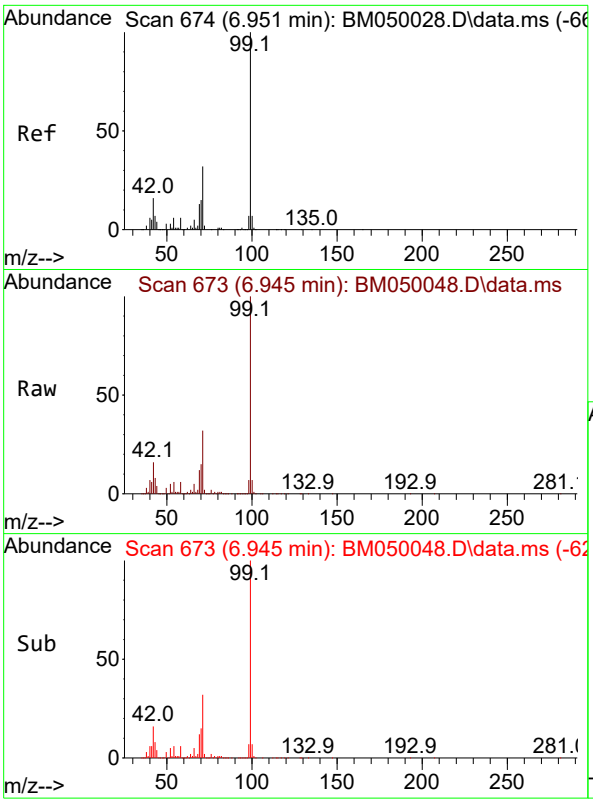


#5
2-Fluorophenol
Concen: 143.087 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.000 min
Lab File: BM050048.D
Acq: 30 Apr 2025 16:44

Tgt Ion:112 Resp: 1961010

Ion	Ratio	Lower	Upper
112	100		
64	52.5	42.6	64.0
63	27.3	22.2	33.4



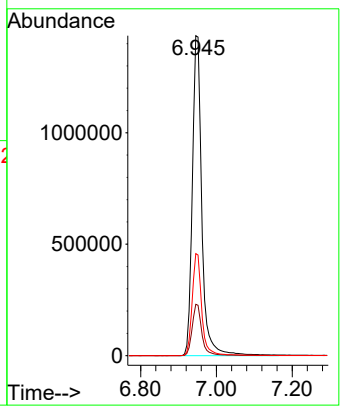


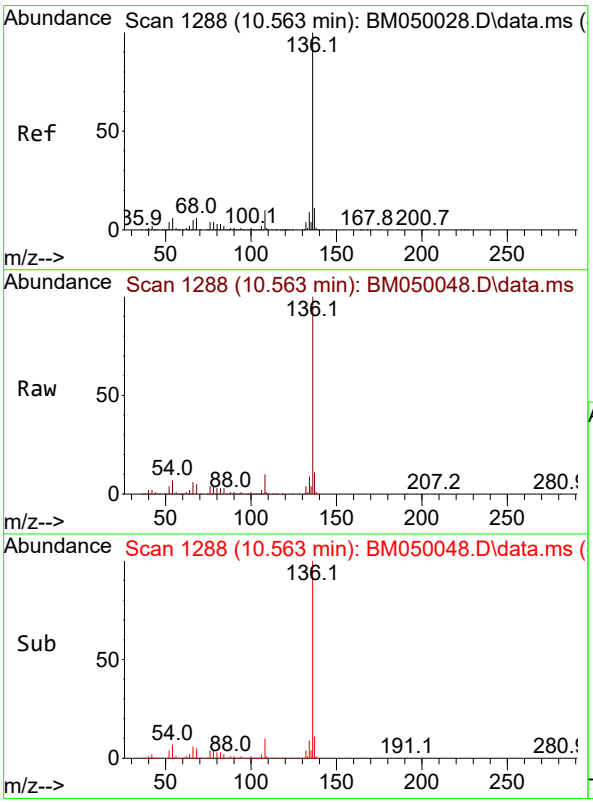
#7
Phenol-d6
Concen: 145.802 ng
RT: 6.945 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM050048.D
Acq: 30 Apr 2025 16:44

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-31-042325

Tgt Ion: 99 Resp: 2511498

Ion	Ratio	Lower	Upper
99	100		
42	16.1	13.0	19.4
71	31.9	25.6	38.4

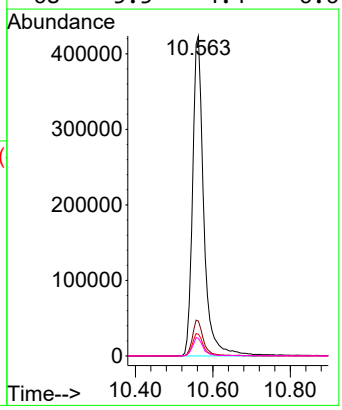


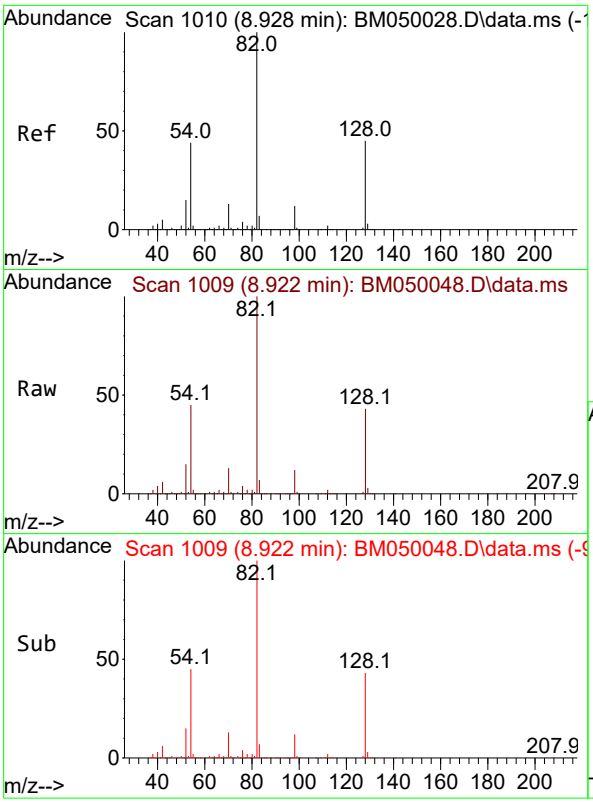


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1288
Delta R.T. -0.000 min
Lab File: BM050048.D
Acq: 30 Apr 2025 16:44

Tgt Ion:136 Resp: 850535

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.8	5.1	7.7
68	5.5	4.4	6.6



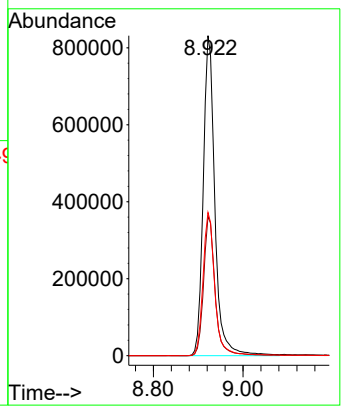


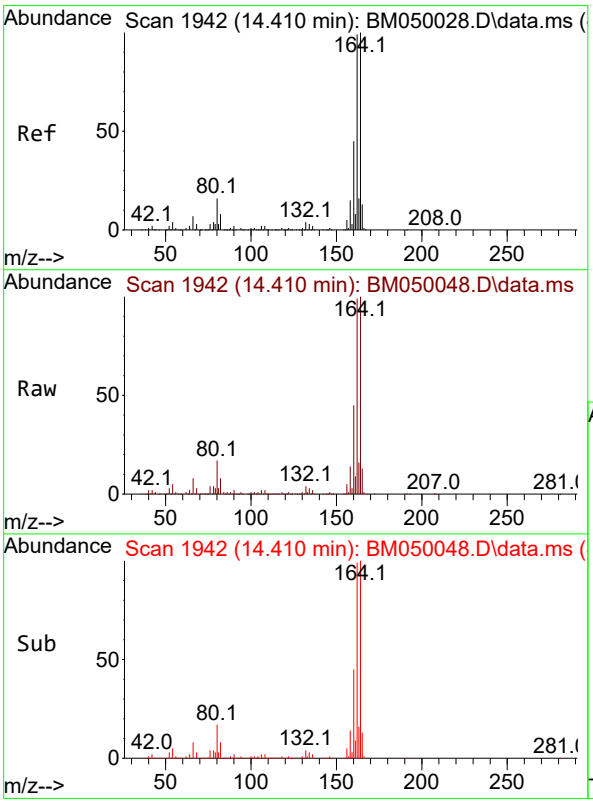
#23
Nitrobenzene-d5
Concen: 86.855 ng
RT: 8.922 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050048.D
Acq: 30 Apr 2025 16:44

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-31-042325

Tgt Ion: 82 Resp: 1499157

Ion	Ratio	Lower	Upper
82	100		
128	43.5	35.7	53.5
54	44.8	35.4	53.2

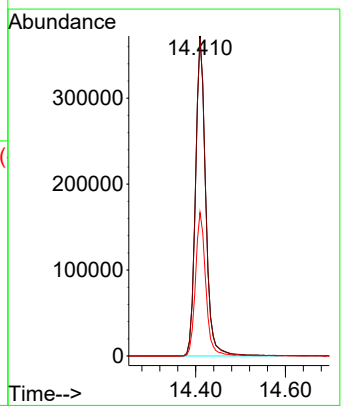


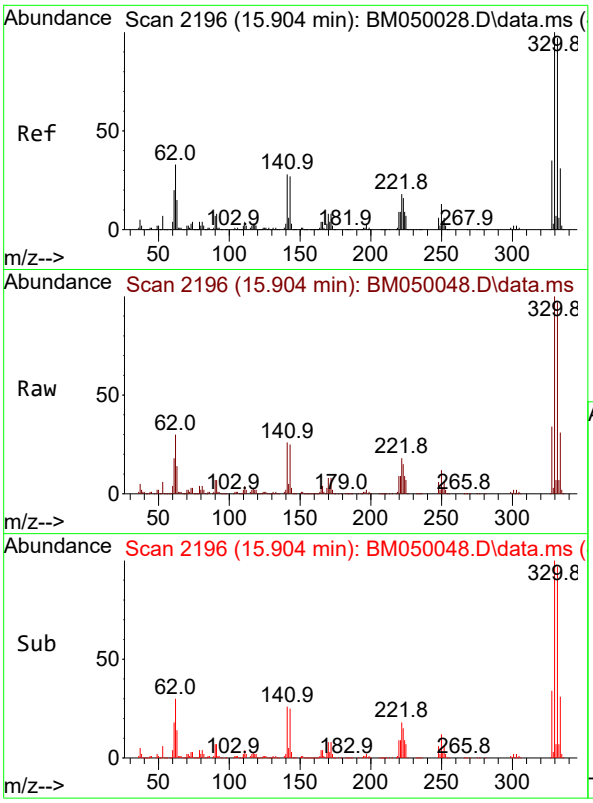


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.000 min
Lab File: BM050048.D
Acq: 30 Apr 2025 16:44

Tgt Ion:164 Resp: 585821

Ion	Ratio	Lower	Upper
164	100		
162	99.3	79.4	119.0
160	44.8	36.2	54.4



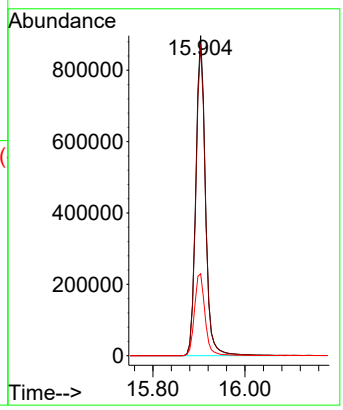


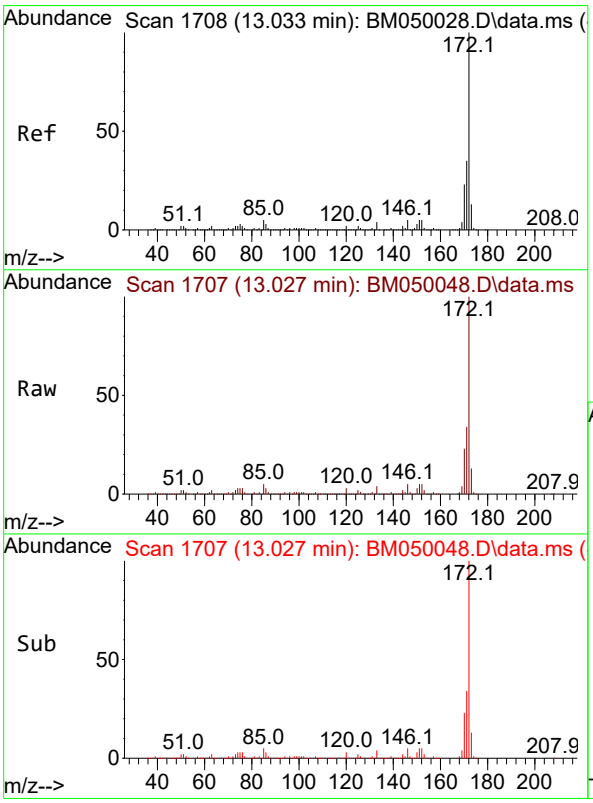
#42
2,4,6-Tribromophenol
Concen: 150.056 ng
RT: 15.904 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM050048.D
Acq: 30 Apr 2025 16:44

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-31-042325

Tgt Ion:330 Resp: 1299808

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.3	115.9
141	28.2	22.5	33.7

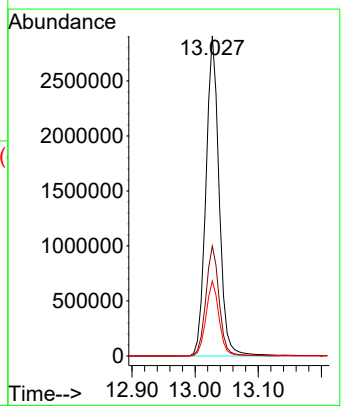


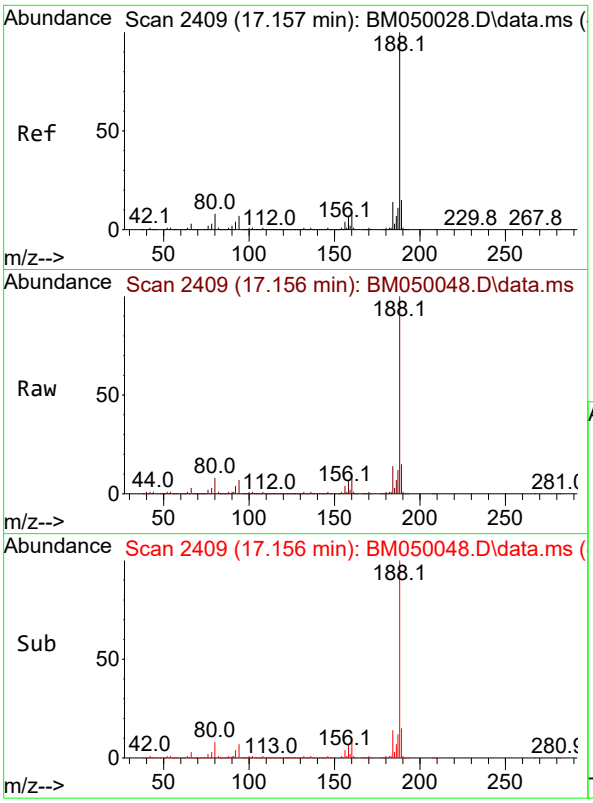


#45
2-Fluorobiphenyl
Concen: 85.382 ng
RT: 13.027 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BM050048.D
Acq: 30 Apr 2025 16:44

Tgt Ion:172 Resp: 4228163

Ion	Ratio	Lower	Upper
172	100		
171	34.4	27.8	41.6
170	23.4	18.6	28.0



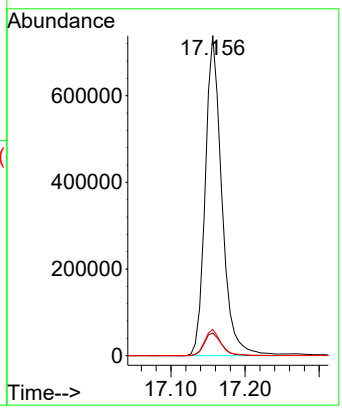


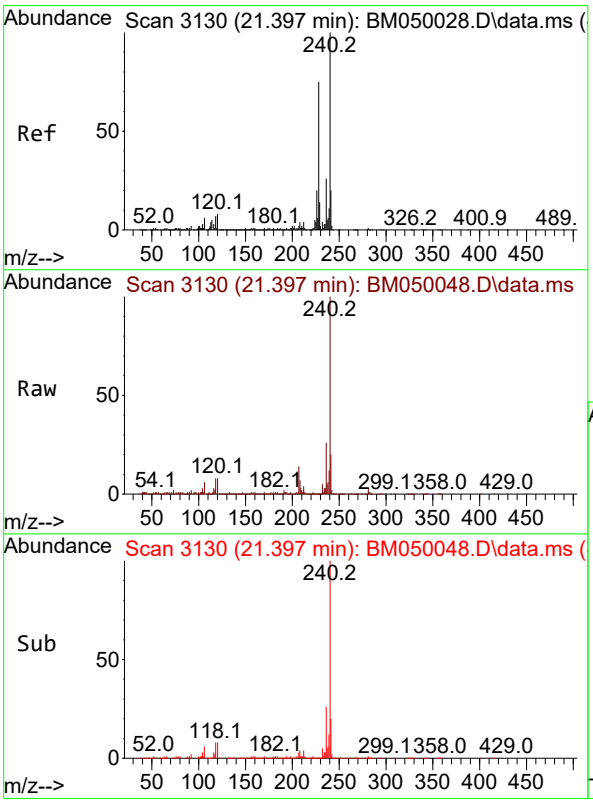
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.156 min Scan# 24
Delta R.T. -0.001 min
Lab File: BM050048.D
Acq: 30 Apr 2025 16:44

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-31-042325

Tgt Ion:188 Resp: 1150756

Ion	Ratio	Lower	Upper
188	100		
94	7.0	5.7	8.5
80	8.2	6.2	9.4

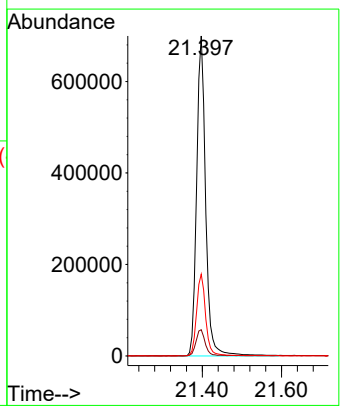


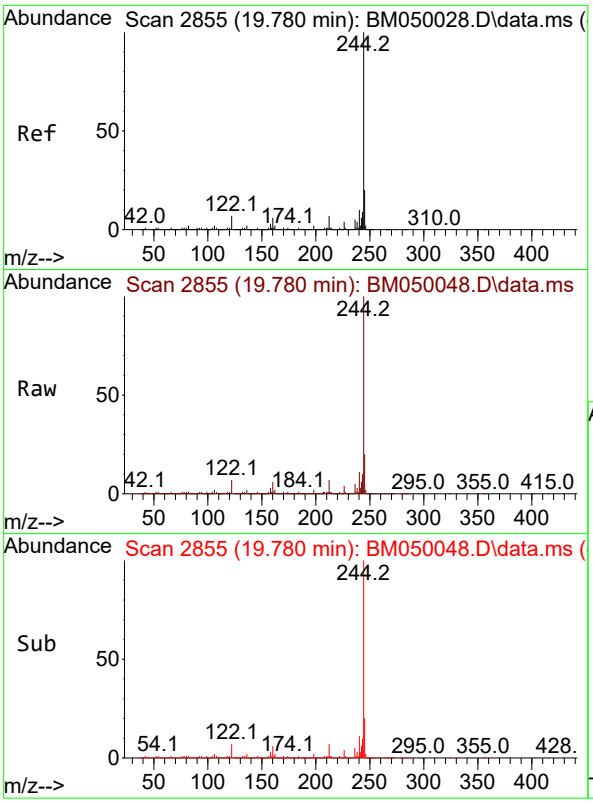


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3130
Delta R.T. 0.000 min
Lab File: BM050048.D
Acq: 30 Apr 2025 16:44

Tgt Ion:240 Resp: 1103348

Ion	Ratio	Lower	Upper
240	100		
120	8.2	6.5	9.7
236	25.6	20.9	31.3



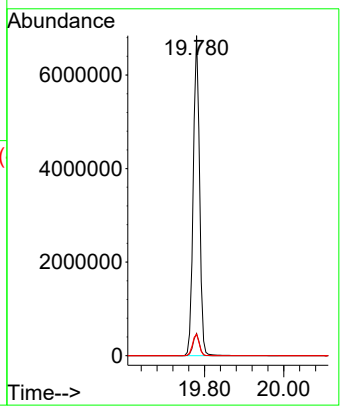


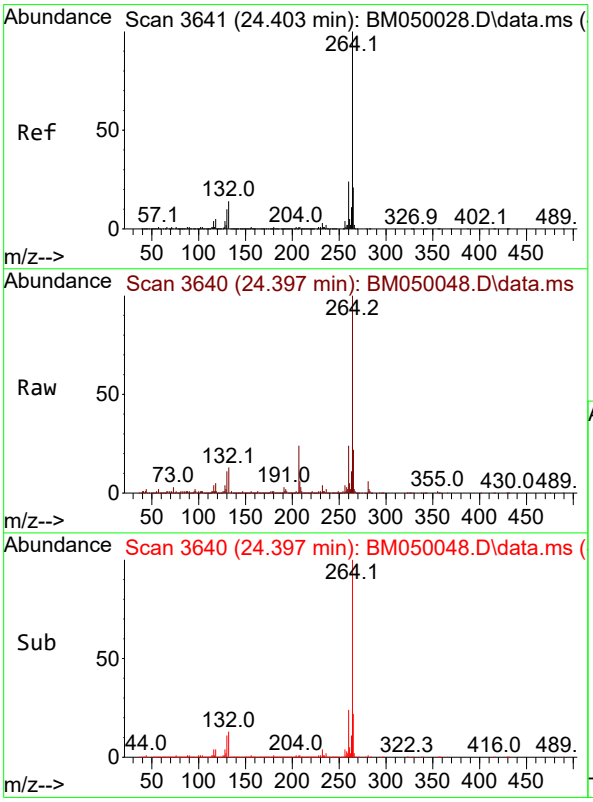
#79
Terphenyl-d14
Concen: 101.569 ng
RT: 19.780 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050048.D
Acq: 30 Apr 2025 16:44

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-31-042325

Tgt Ion:244 Resp: 7573310

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	6.7	5.6	8.4

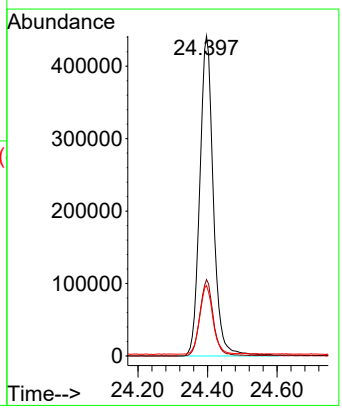




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.397 min Scan# 3640
Delta R.T. -0.006 min
Lab File: BM050048.D
Acq: 30 Apr 2025 16:44

Tgt Ion:264 Resp: 1198598

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.8	28.2
265	22.1	17.0	25.4



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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-32-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-11	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.3
Sample Wt/Vol:	30.06 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050057.D	1	04/28/25 09:45	04/30/25 23:15	PB167767

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.13	U	0.023	0.13	0.17	mg/Kg
91-57-6	2-Methylnaphthalene	0.13	U	0.026	0.13	0.17	mg/Kg
208-96-8	Acenaphthylene	0.13	U	0.030	0.13	0.17	mg/Kg
83-32-9	Acenaphthene	0.13	U	0.022	0.13	0.17	mg/Kg
86-73-7	Fluorene	0.13	U	0.026	0.13	0.17	mg/Kg
85-01-8	Phenanthrene	0.13	U	0.021	0.13	0.17	mg/Kg
120-12-7	Anthracene	0.13	U	0.034	0.13	0.17	mg/Kg
206-44-0	Fluoranthene	0.13	U	0.031	0.13	0.17	mg/Kg
129-00-0	Pyrene	0.13	U	0.037	0.13	0.17	mg/Kg
56-55-3	Benzo(a)anthracene	0.13	U	0.024	0.13	0.17	mg/Kg
218-01-9	Chrysene	0.13	U	0.020	0.13	0.17	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.13	U	0.020	0.13	0.17	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.13	U	0.023	0.13	0.17	mg/Kg
50-32-8	Benzo(a)pyrene	0.13	U	0.030	0.13	0.17	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.13	U	0.030	0.13	0.17	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.13	U	0.028	0.13	0.17	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.13	U	0.026	0.13	0.17	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	52.1		37 - 122		52%	SPK: 100
321-60-8	2-Fluorobiphenyl	51.0		44 - 115		51%	SPK: 100
1718-51-0	Terphenyl-d14	58.9		54 - 127		59%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	256000	7.763				
1146-65-2	Naphthalene-d8	890000	10.557				
15067-26-2	Acenaphthene-d10	609000	14.41				
1517-22-2	Phenanthrene-d10	1190000	17.157				
1719-03-5	Chrysene-d12	1150000	21.392				
1520-96-3	Perylene-d12	1230000	24.391				
TENTATIVE IDENTIFIED COMPOUNDS							

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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-PCS-TC-32-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-11	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	97.3
Sample Wt/Vol:	30.06 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050057.D	1	04/28/25 09:45	04/30/25 23:15	PB167767

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972608	Alachlor	0	U			0	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050057.D
Acq On : 30 Apr 2025 23:15
Operator : RC/JU
Sample : Q1883-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-32-042325

Quant Time: May 01 02:20:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

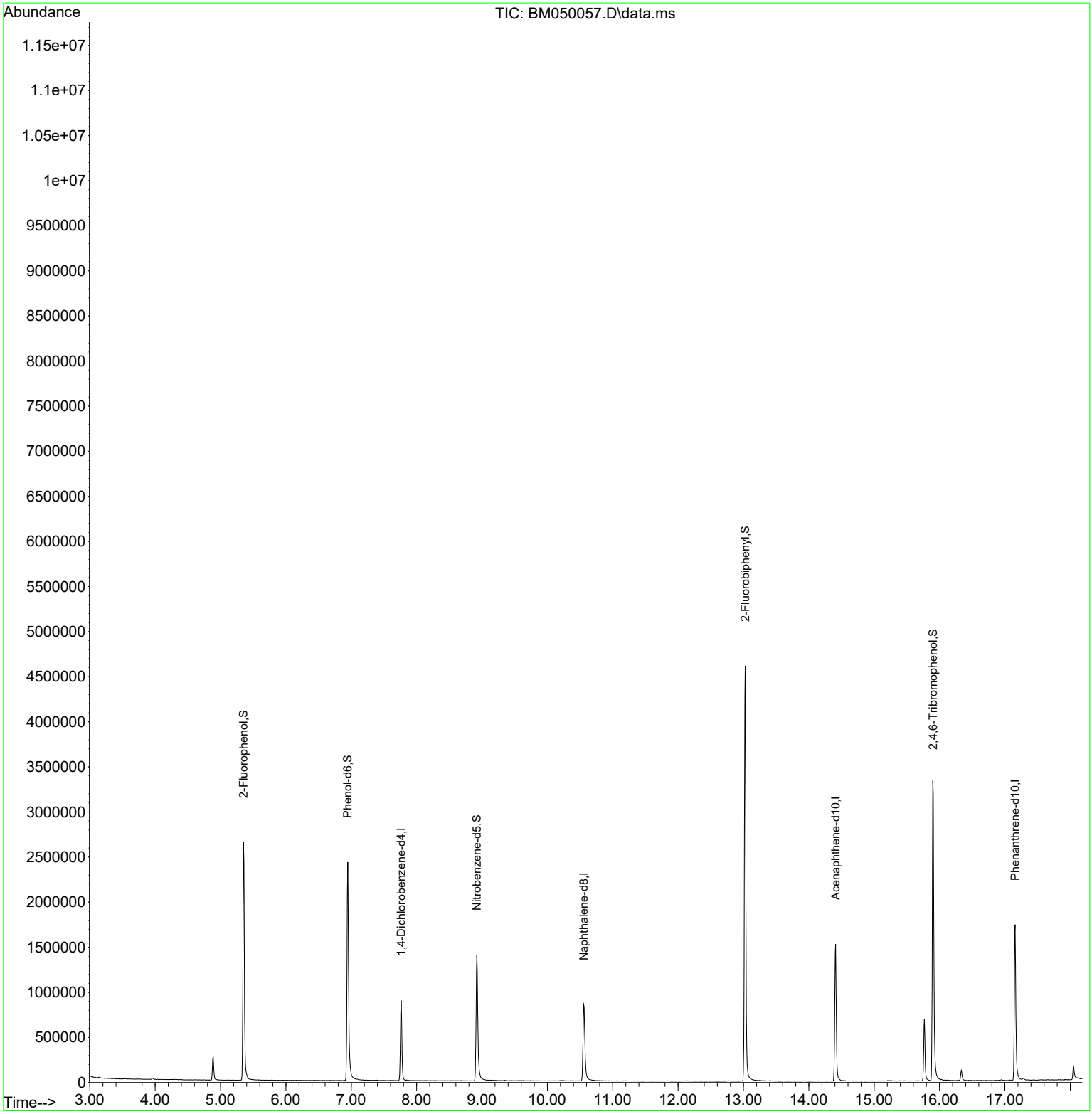
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	255652	20.000	ng	0.00
21) Naphthalene-d8	10.557	136	890304	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	608919	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1189552	20.000	ng	0.00
76) Chrysene-d12	21.392	240	1147888	20.000	ng	0.00
86) Perylene-d12	24.391	264	1234593	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	1234036	84.525	ng	0.00
7) Phenol-d6	6.946	99	1568331	85.468	ng	0.00
23) Nitrobenzene-d5	8.922	82	941783	52.126	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	757675	84.152	ng	0.00
45) 2-Fluorobiphenyl	13.028	172	2623880	50.976	ng	0.00
79) Terphenyl-d14	19.774	244	4572533	58.944	ng	0.00
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050057.D
Acq On : 30 Apr 2025 23:15
Operator : RC/JU
Sample : Q1883-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-32-042325

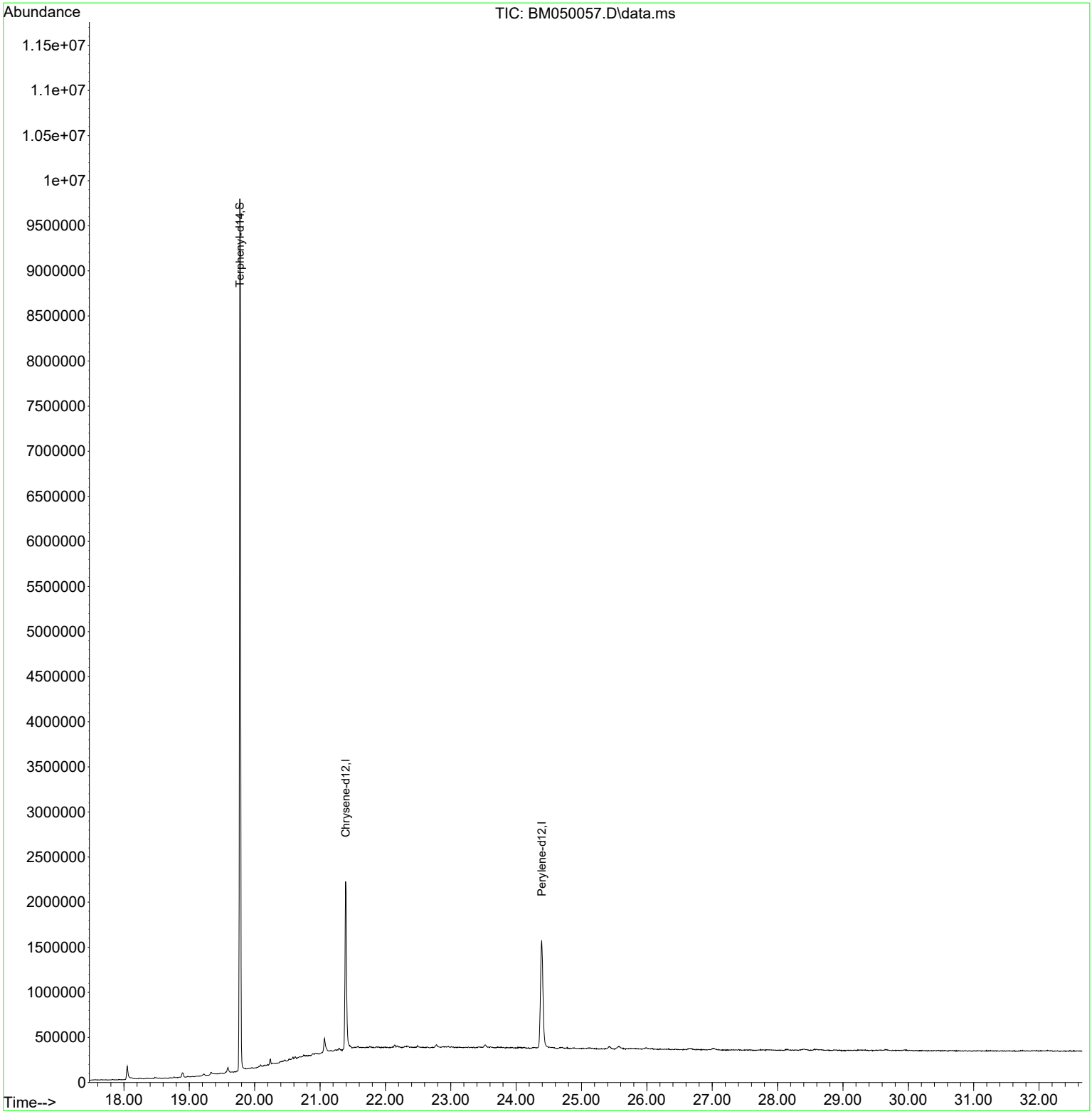
Quant Time: May 01 02:20:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

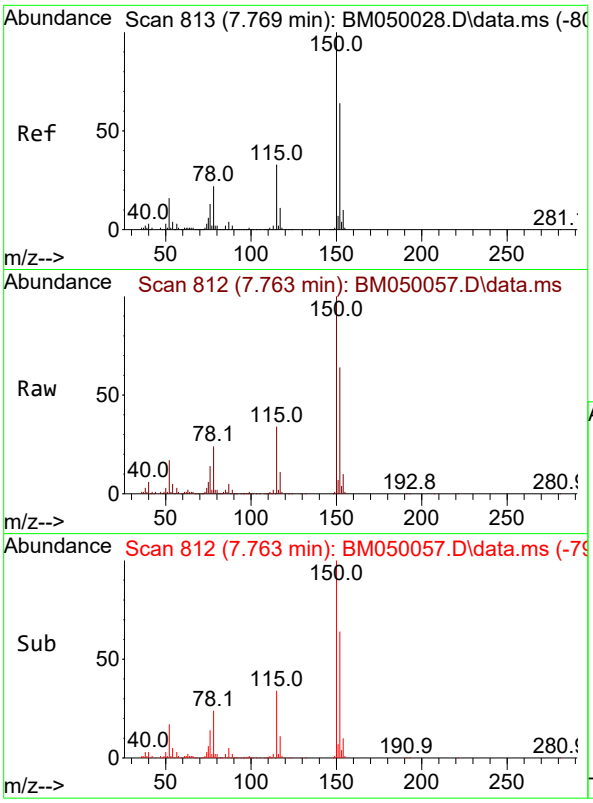


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050057.D
Acq On : 30 Apr 2025 23:15
Operator : RC/JU
Sample : Q1883-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-32-042325

Quant Time: May 01 02:20:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



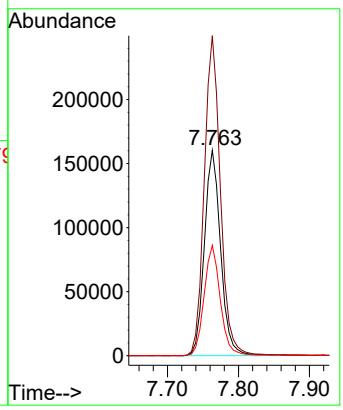


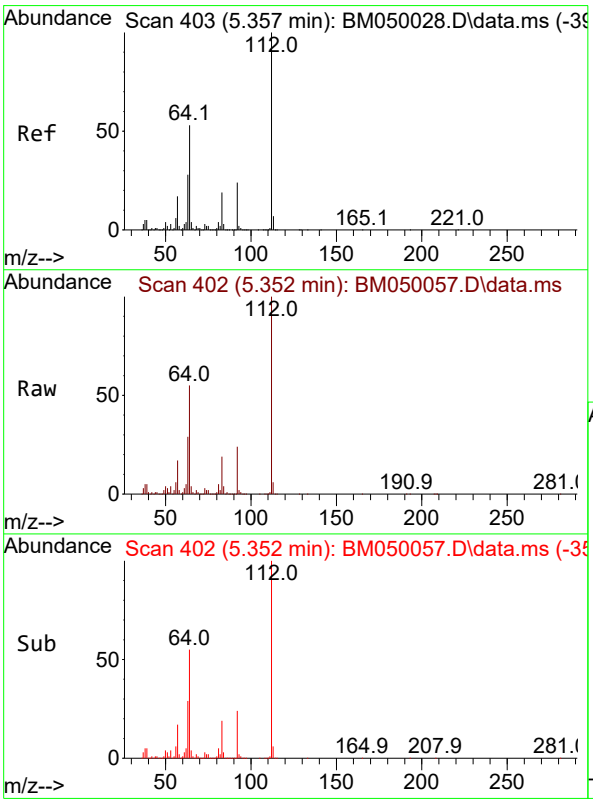
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM050057.D
Acq: 30 Apr 2025 23:15

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-32-042325

Tgt Ion:152 Resp: 255652

Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.1	186.1
115	53.7	41.2	61.8

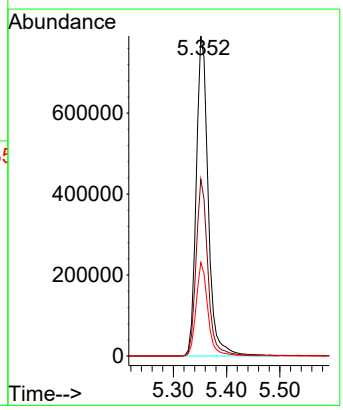


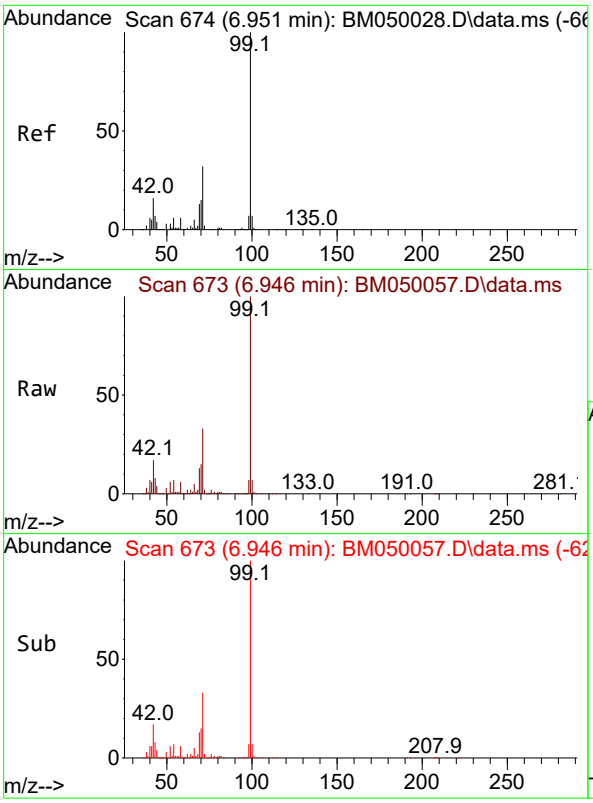


#5
2-Fluorophenol
Concen: 84.525 ng
RT: 5.352 min Scan# 402
Delta R.T. -0.006 min
Lab File: BM050057.D
Acq: 30 Apr 2025 23:15

Tgt Ion:112 Resp: 1234036

Ion	Ratio	Lower	Upper
112	100		
64	55.3	42.6	64.0
63	29.2	22.2	33.4



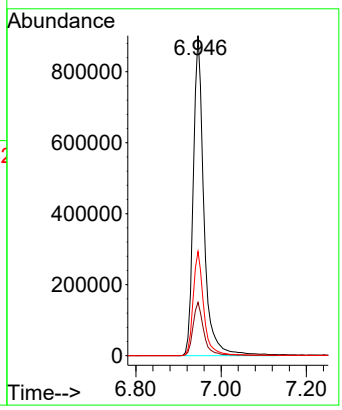


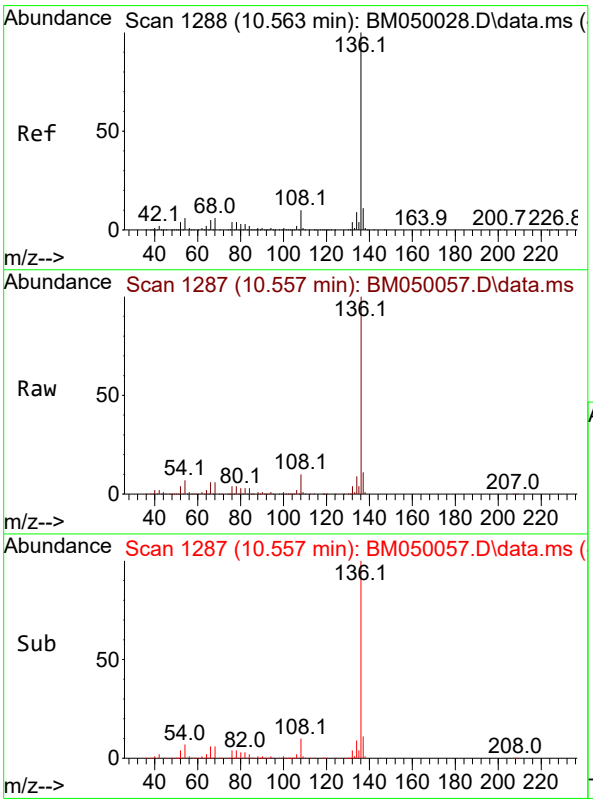
#7
Phenol-d6
Concen: 85.468 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM050057.D
Acq: 30 Apr 2025 23:15

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-32-042325

Tgt Ion: 99 Resp: 1568331

Ion	Ratio	Lower	Upper
99	100		
42	16.7	13.0	19.4
71	32.6	25.6	38.4

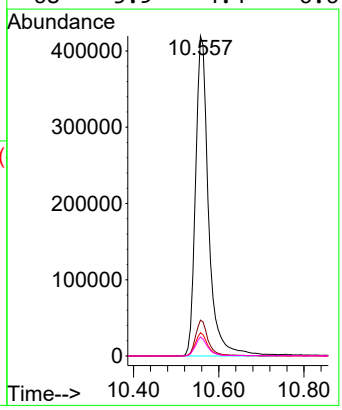


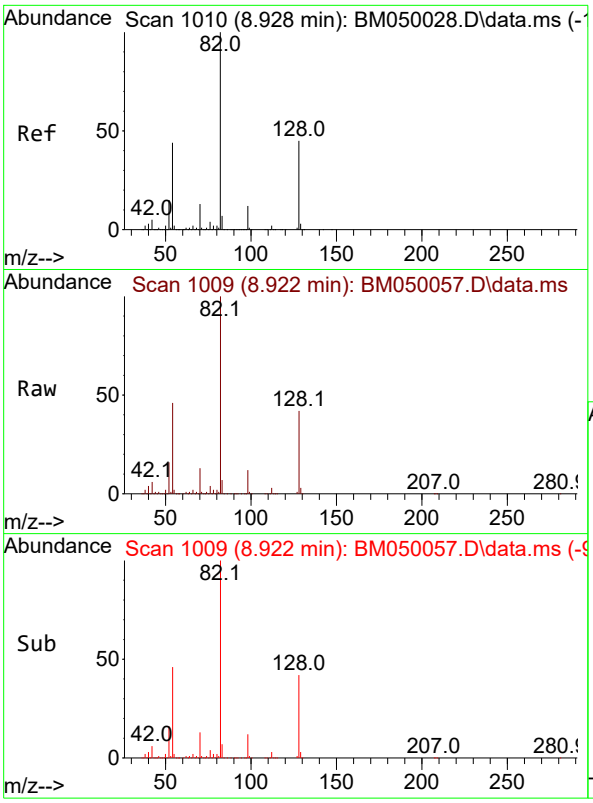


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BM050057.D
Acq: 30 Apr 2025 23:15

Tgt Ion:136 Resp: 890304

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.3	5.1	7.7
68	5.9	4.4	6.6



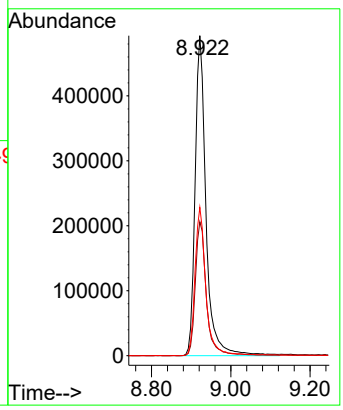


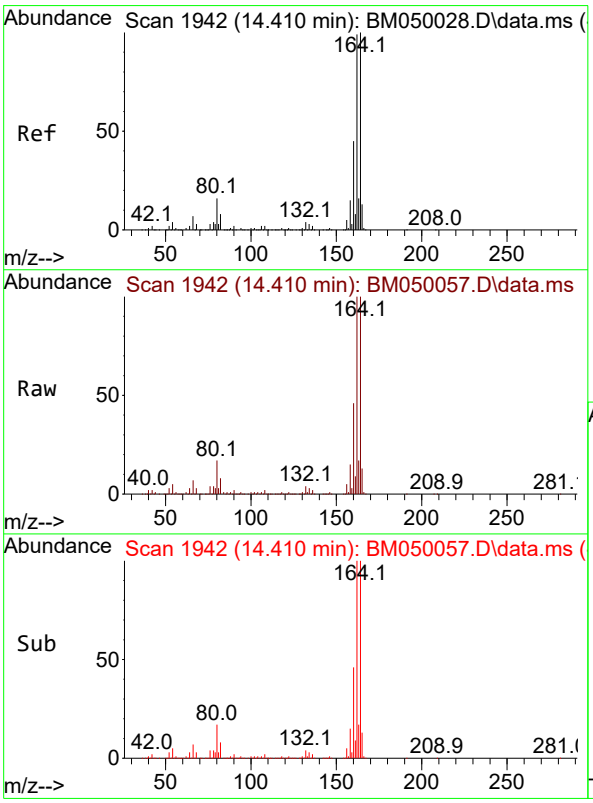
#23
Nitrobenzene-d5
Concen: 52.126 ng
RT: 8.922 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050057.D
Acq: 30 Apr 2025 23:15

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-32-042325

Tgt Ion: 82 Resp: 941783

Ion	Ratio	Lower	Upper
82	100		
128	41.9	35.7	53.5
54	46.3	35.4	53.2

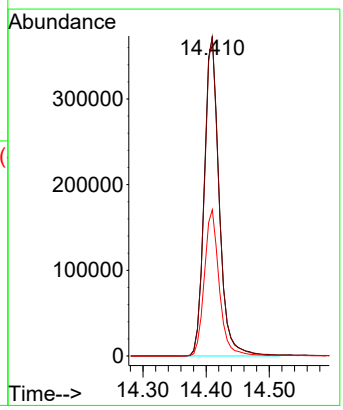


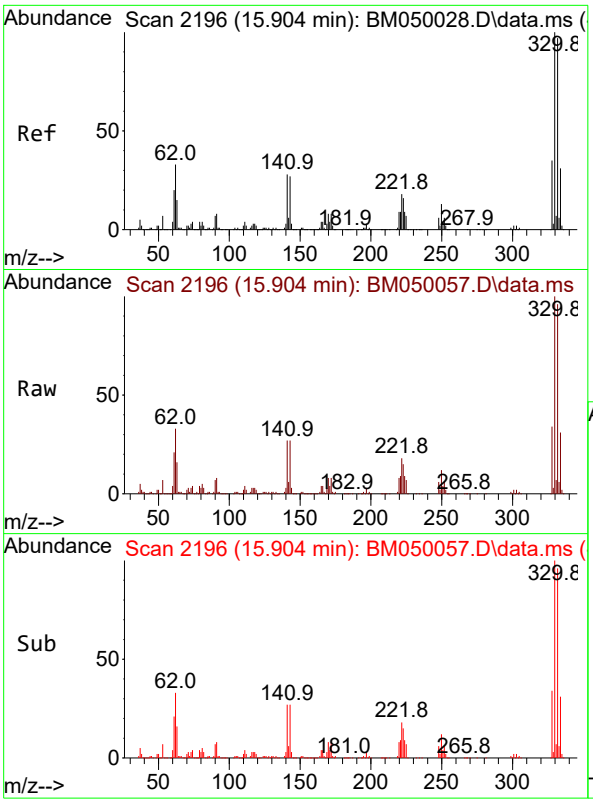


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.000 min
Lab File: BM050057.D
Acq: 30 Apr 2025 23:15

Tgt Ion:164 Resp: 608919

Ion	Ratio	Lower	Upper
164	100		
162	100.4	79.4	119.0
160	45.9	36.2	54.4



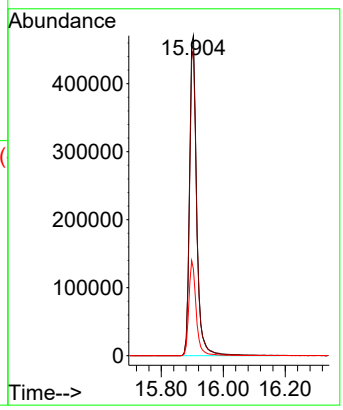


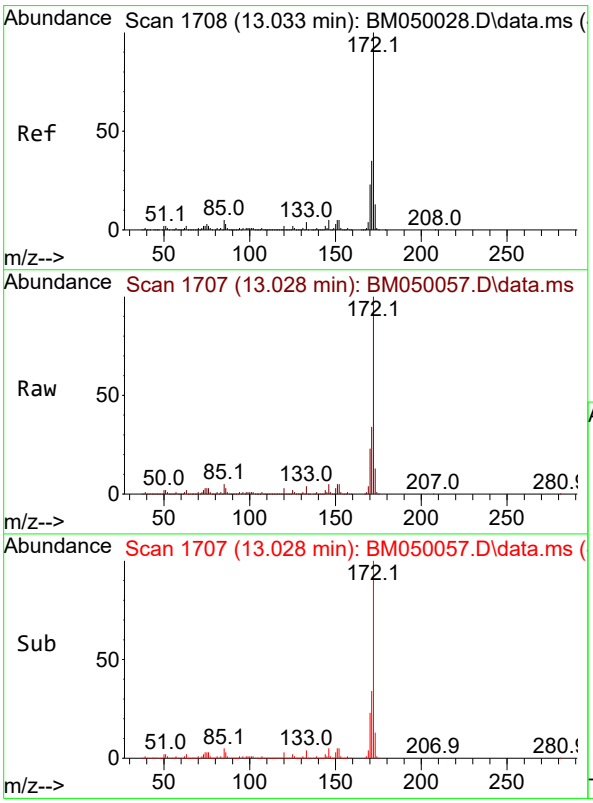
#42
2,4,6-Tribromophenol
Concen: 84.152 ng
RT: 15.904 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM050057.D
Acq: 30 Apr 2025 23:15

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-32-042325

Tgt Ion:330 Resp: 757675

Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.3	115.9
141	30.4	22.5	33.7

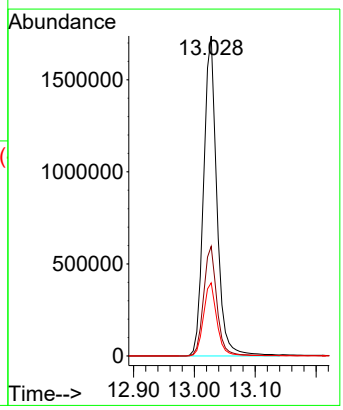


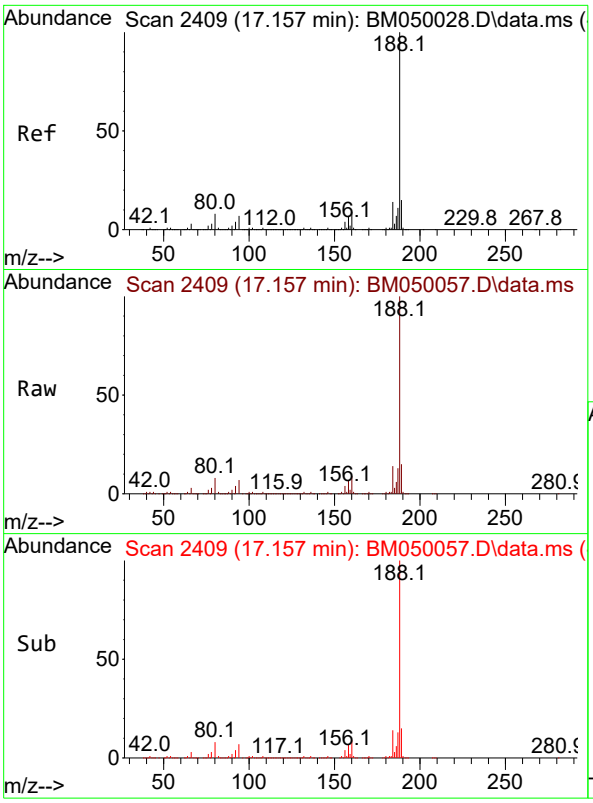


#45
2-Fluorobiphenyl
Concen: 50.976 ng
RT: 13.028 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BM050057.D
Acq: 30 Apr 2025 23:15

Tgt Ion:172 Resp: 2623880

Ion	Ratio	Lower	Upper
172	100		
171	34.2	27.8	41.6
170	22.9	18.6	28.0



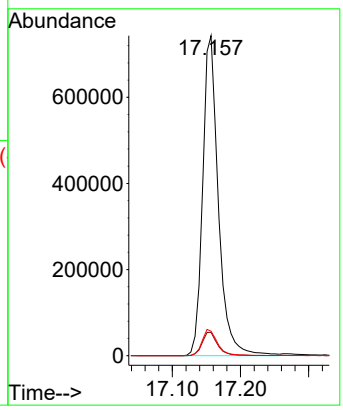


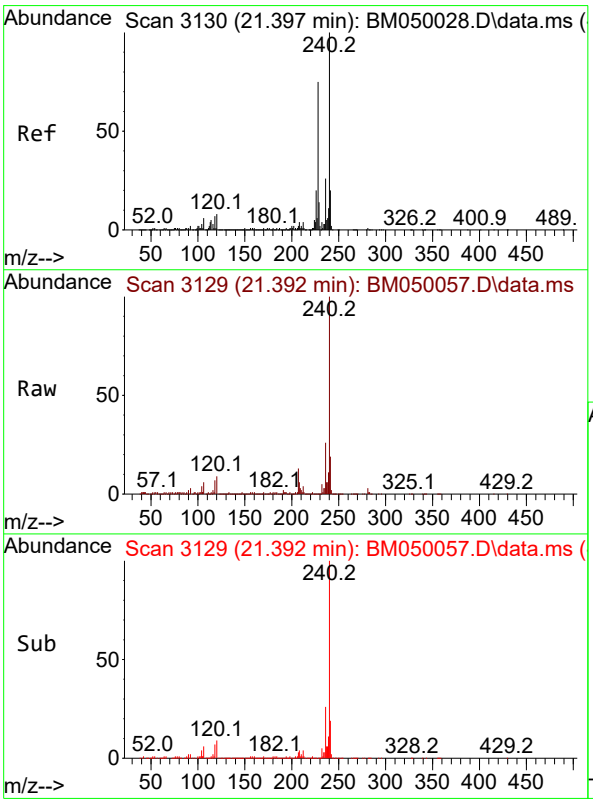
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM050057.D
Acq: 30 Apr 2025 23:15

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-32-042325

Tgt Ion:188 Resp: 1189552

Ion	Ratio	Lower	Upper
188	100		
94	7.3	5.7	8.5
80	7.6	6.2	9.4

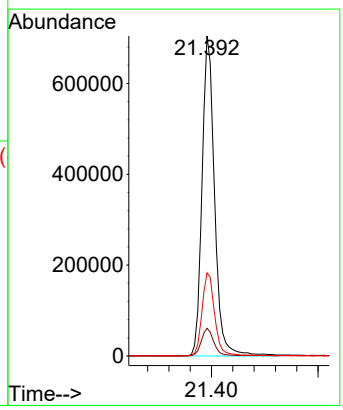


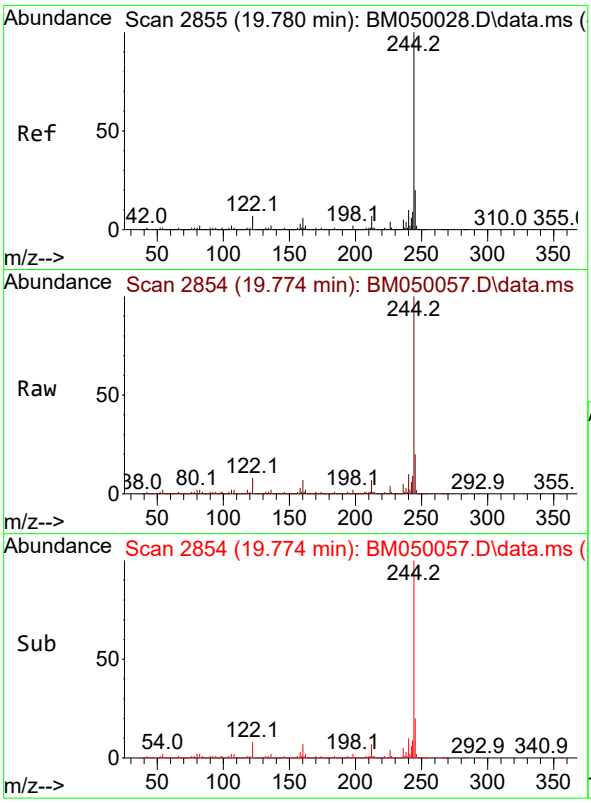


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.392 min Scan# 3129
Delta R.T. -0.005 min
Lab File: BM050057.D
Acq: 30 Apr 2025 23:15

Tgt Ion:240 Resp: 1147888

Ion	Ratio	Lower	Upper
240	100		
120	8.7	6.5	9.7
236	26.0	20.9	31.3



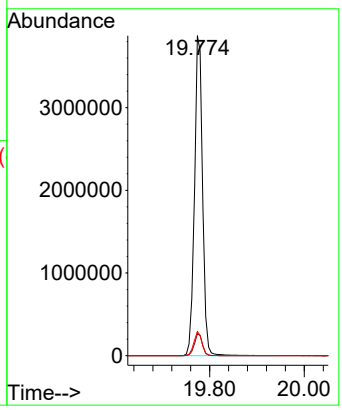


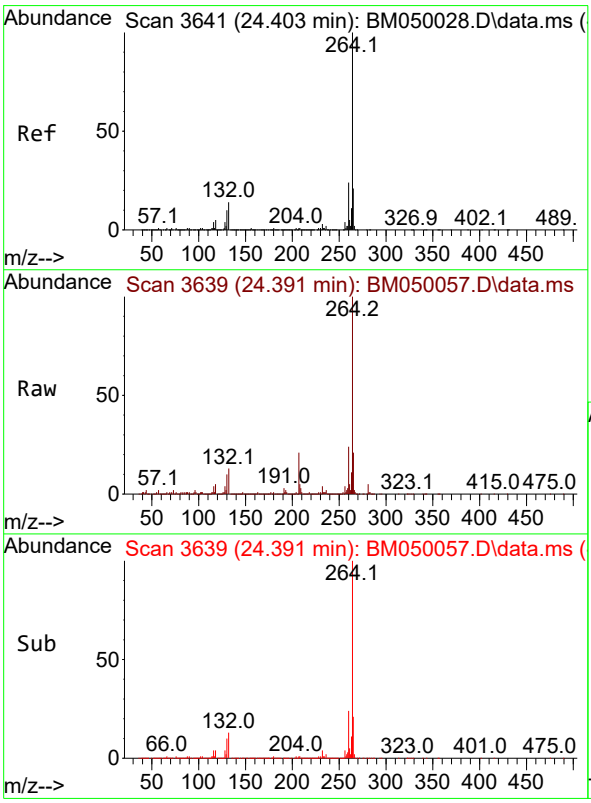
#79
Terphenyl-d14
Concen: 58.944 ng
RT: 19.774 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050057.D
Acq: 30 Apr 2025 23:15

Instrument :
BNA_M
ClientSampleId :
OU4-PCS-TC-32-042325

Tgt Ion:244 Resp: 4572533

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	7.6	5.6	8.4

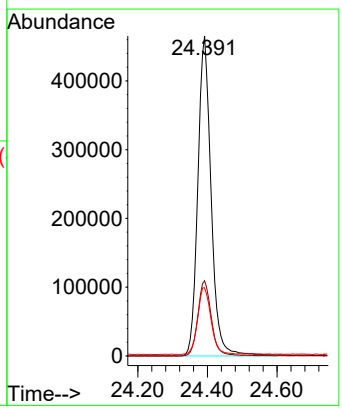




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.391 min Scan# 3639
Delta R.T. -0.012 min
Lab File: BM050057.D
Acq: 30 Apr 2025 23:15

Tgt Ion:264 Resp: 1234593

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.8	28.2
265	21.3	17.0	25.4



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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-VSL-18-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-13	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.7
Sample Wt/Vol:	30.04 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050058.D	1	04/28/25 09:45	04/30/25 23:54	PB167767

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.14	U	0.024	0.14	0.18	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.027	0.14	0.18	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.031	0.14	0.18	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.023	0.14	0.18	mg/Kg
86-73-7	Fluorene	0.14	U	0.027	0.14	0.18	mg/Kg
85-01-8	Phenanthrene	0.14	U	0.022	0.14	0.18	mg/Kg
120-12-7	Anthracene	0.14	U	0.035	0.14	0.18	mg/Kg
206-44-0	Fluoranthene	0.14	U	0.032	0.14	0.18	mg/Kg
129-00-0	Pyrene	0.14	U	0.038	0.14	0.18	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	U	0.024	0.14	0.18	mg/Kg
218-01-9	Chrysene	0.14	U	0.021	0.14	0.18	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.14	U	0.020	0.14	0.18	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.14	U	0.024	0.14	0.18	mg/Kg
50-32-8	Benzo(a)pyrene	0.14	U	0.031	0.14	0.18	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	U	0.031	0.14	0.18	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.029	0.14	0.18	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.14	U	0.027	0.14	0.18	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	49.2		37 - 122		49%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.7		44 - 115		47%	SPK: 100
1718-51-0	Terphenyl-d14	52.0	*	54 - 127		52%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	245000	7.763				
1146-65-2	Naphthalene-d8	863000	10.557				
15067-26-2	Acenaphthene-d10	593000	14.41				
1517-22-2	Phenanthrene-d10	1180000	17.157				
1719-03-5	Chrysene-d12	1120000	21.392				
1520-96-3	Perylene-d12	1190000	24.391				
TENTATIVE IDENTIFIED COMPOUNDS							

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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-VSL-18-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-13	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.7
Sample Wt/Vol:	30.04 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050058.D	1	04/28/25 09:45	04/30/25 23:54	PB167767

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972608	Alachlor	0	U			0	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050058.D
Acq On : 30 Apr 2025 23:54
Operator : RC/JU
Sample : Q1883-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OU4-VSL-18-042325

Quant Time: May 01 02:21:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

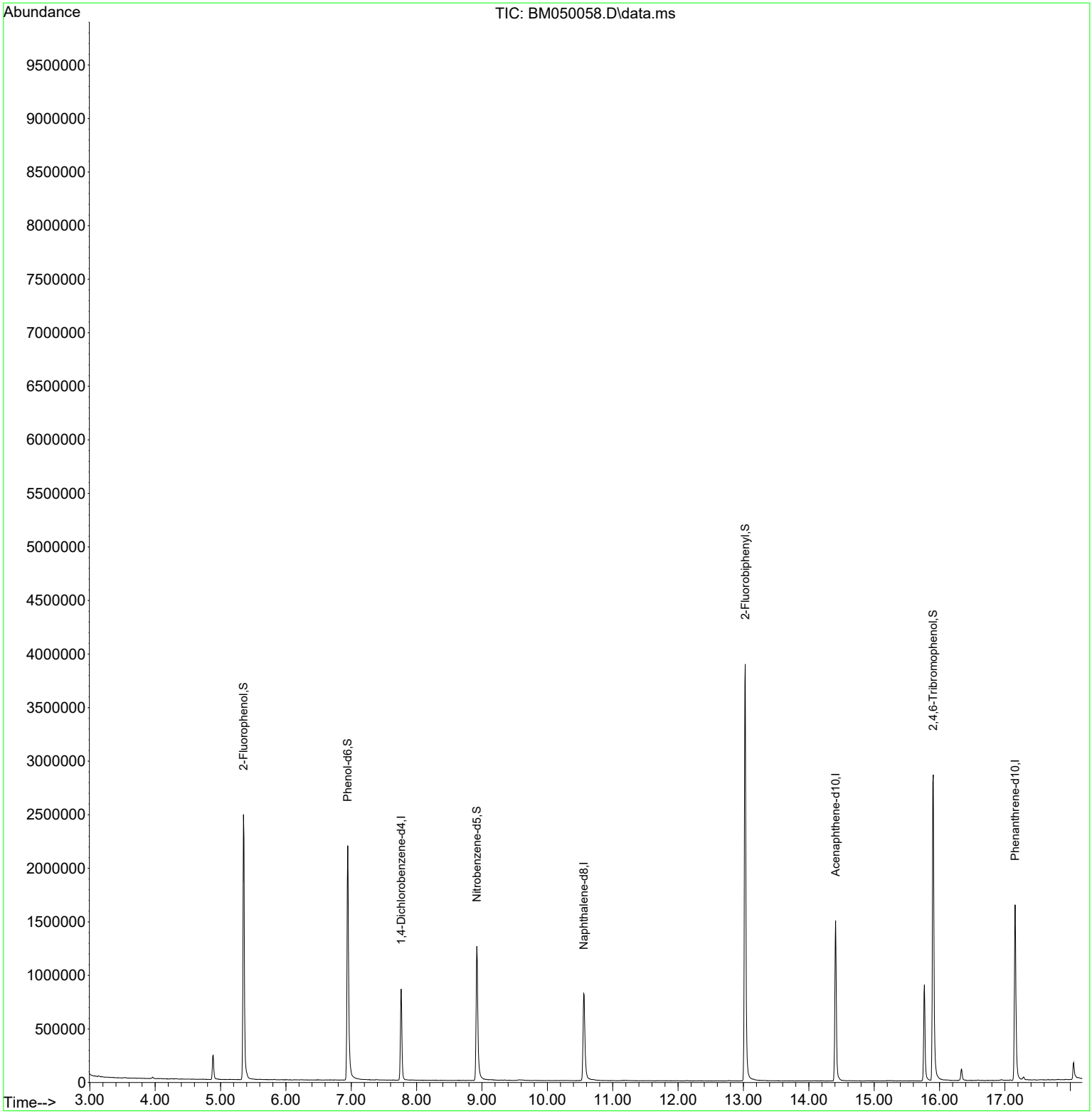
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	244720	20.000	ng	0.00
21) Naphthalene-d8	10.557	136	862862	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	592525	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1178654	20.000	ng	0.00
76) Chrysene-d12	21.392	240	1117971	20.000	ng	0.00
86) Perylene-d12	24.391	264	1185662	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	1134083	81.148	ng	0.00
7) Phenol-d6	6.946	99	1424533	81.099	ng	0.00
23) Nitrobenzene-d5	8.922	82	861079	49.175	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	646642	73.807	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	2338280	46.684	ng	0.00
79) Terphenyl-d14	19.780	244	3924914	51.950	ng	0.00
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050058.D
Acq On : 30 Apr 2025 23:54
Operator : RC/JU
Sample : Q1883-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OU4-VSL-18-042325

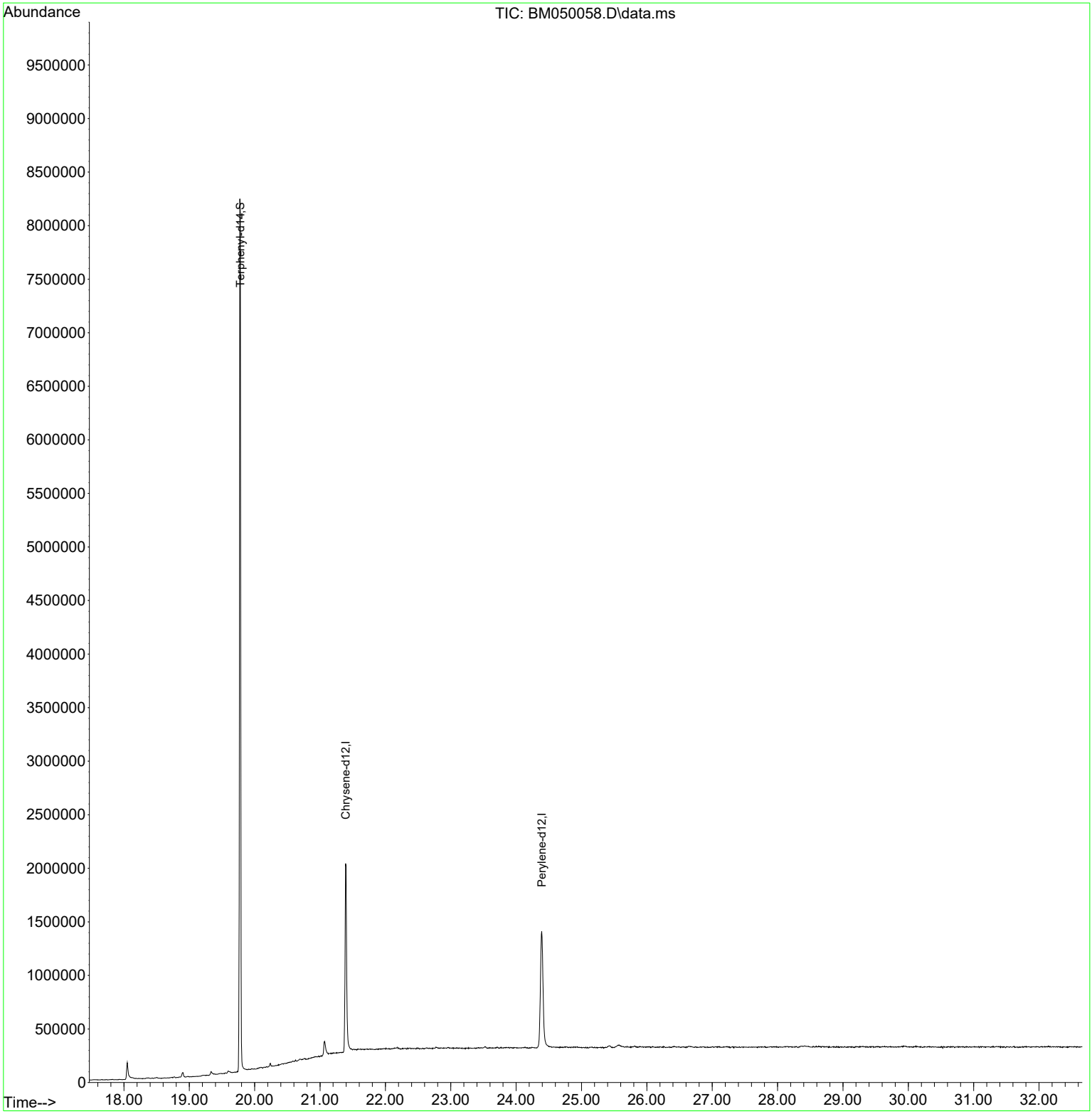
Quant Time: May 01 02:21:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

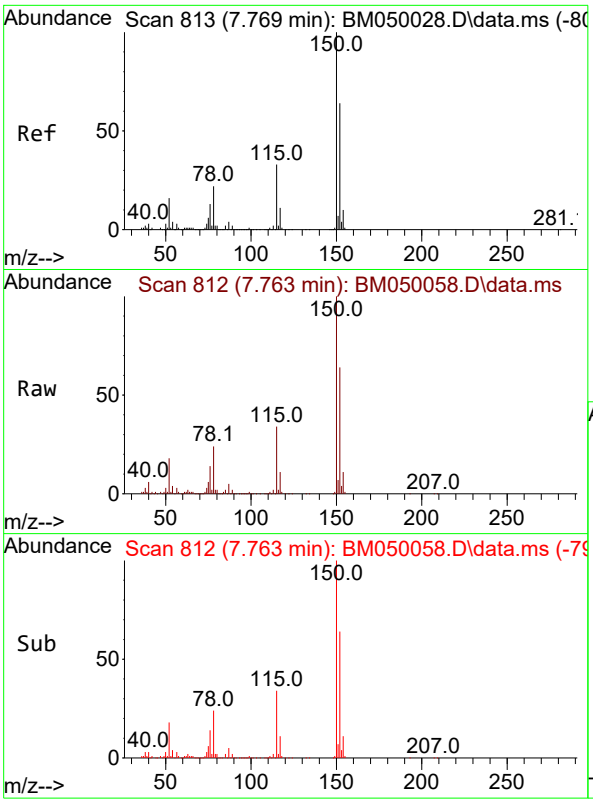


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050058.D
Acq On : 30 Apr 2025 23:54
Operator : RC/JU
Sample : Q1883-13
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OU4-VSL-18-042325

Quant Time: May 01 02:21:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



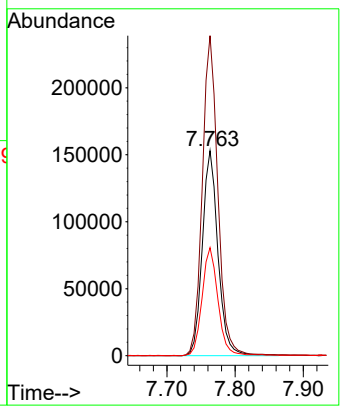


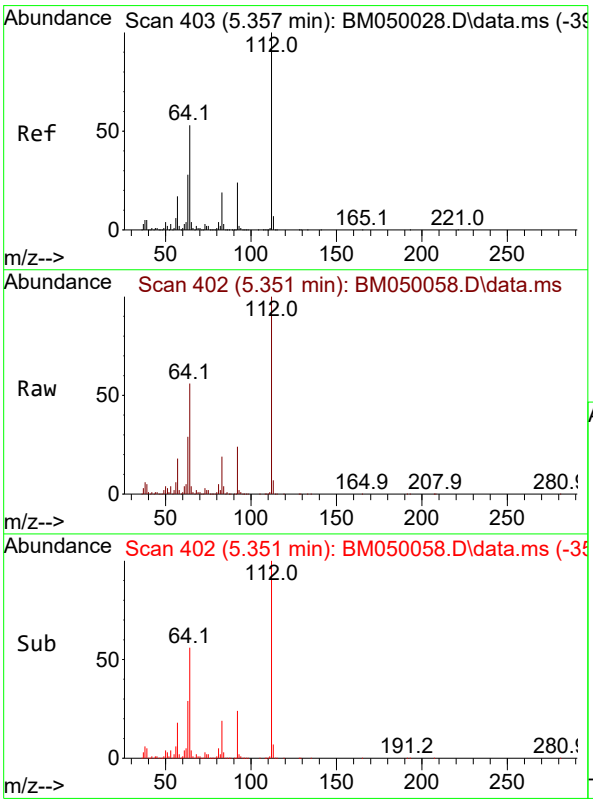
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM050058.D
Acq: 30 Apr 2025 23:54

Instrument :
BNA_M
ClientSampleId :
OU4-VSL-18-042325

Tgt Ion:152 Resp: 244720

Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.1	186.1
115	52.7	41.2	61.8

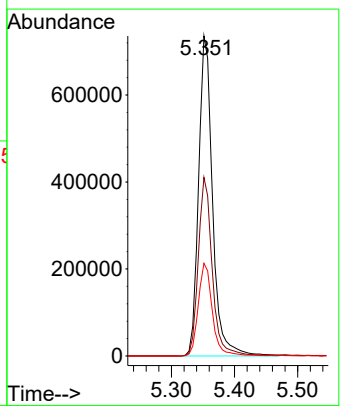


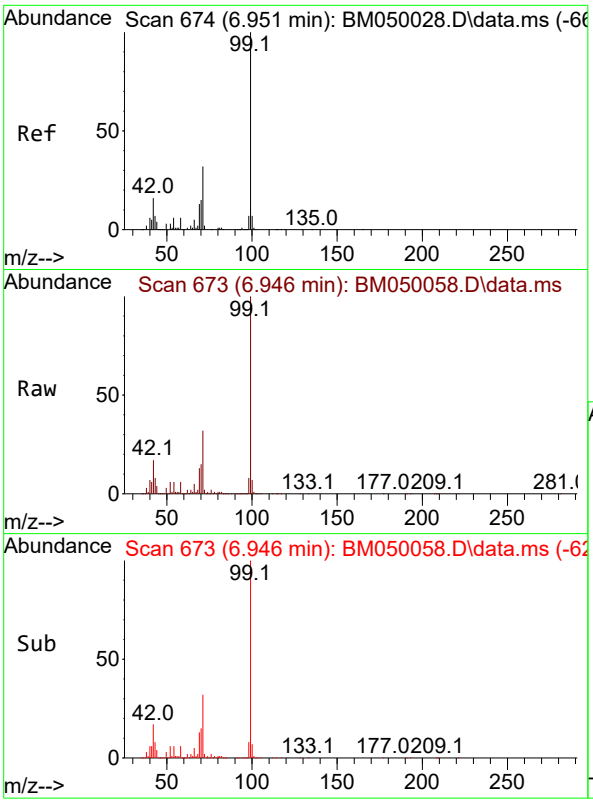


#5
2-Fluorophenol
Concen: 81.148 ng
RT: 5.351 min Scan# 402
Delta R.T. -0.006 min
Lab File: BM050058.D
Acq: 30 Apr 2025 23:54

Tgt Ion:112 Resp: 1134083

Ion	Ratio	Lower	Upper
112	100		
64	55.8	42.6	64.0
63	29.0	22.2	33.4



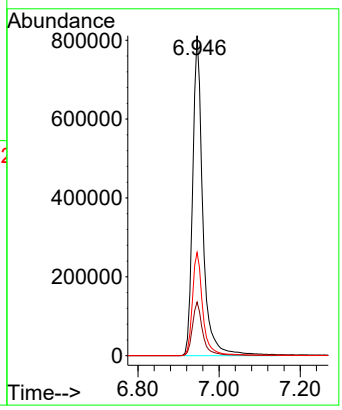


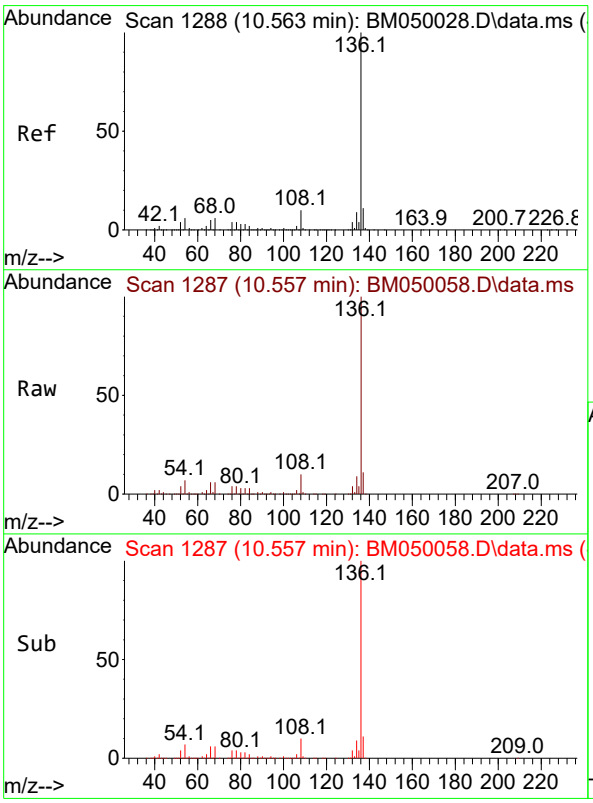
#7
Phenol-d6
Concen: 81.099 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM050058.D
Acq: 30 Apr 2025 23:54

Instrument :
BNA_M
ClientSampleId :
OU4-VSL-18-042325

Tgt Ion: 99 Resp: 1424533

Ion	Ratio	Lower	Upper
99	100		
42	16.7	13.0	19.4
71	32.2	25.6	38.4

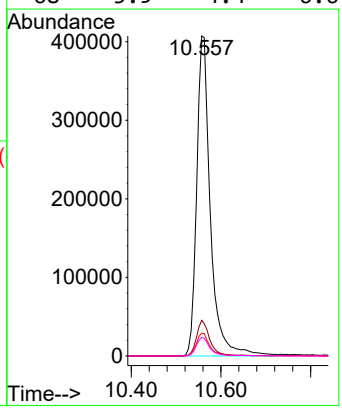


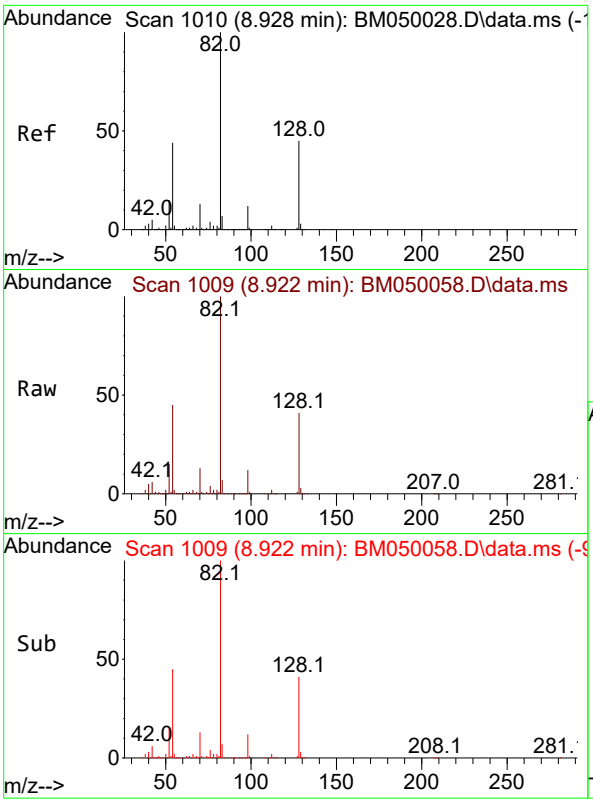


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BM050058.D
Acq: 30 Apr 2025 23:54

Tgt Ion:136 Resp: 862862

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.1	5.1	7.7
68	5.9	4.4	6.6



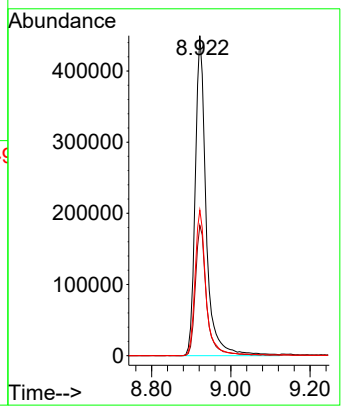


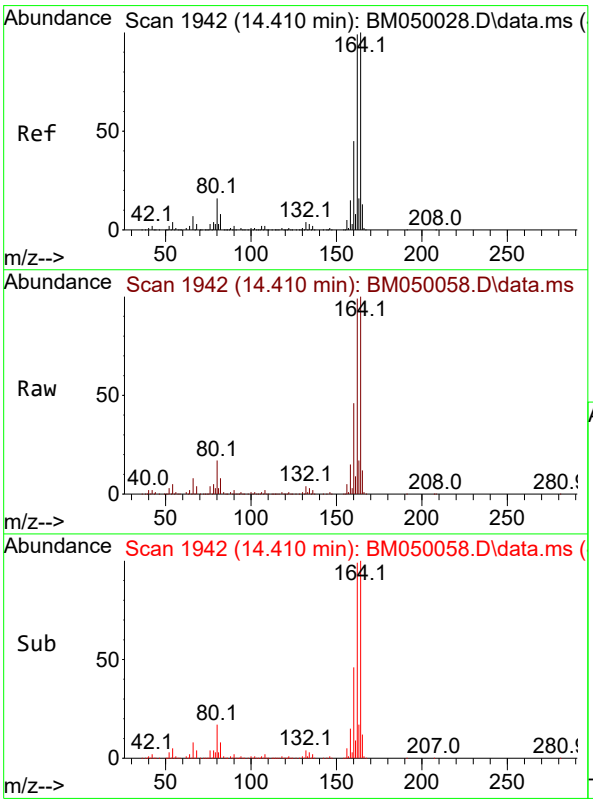
#23
Nitrobenzene-d5
Concen: 49.175 ng
RT: 8.922 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BM050058.D
Acq: 30 Apr 2025 23:54

Instrument :
BNA_M
ClientSampleId :
OU4-VSL-18-042325

Tgt Ion: 82 Resp: 861079

Ion	Ratio	Lower	Upper
82	100		
128	40.7	35.7	53.5
54	45.5	35.4	53.2

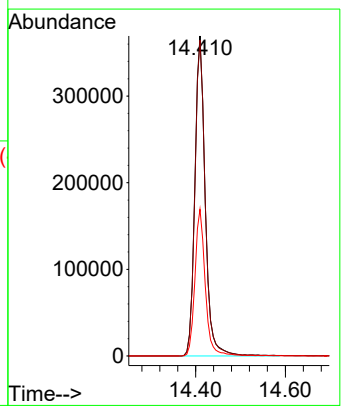


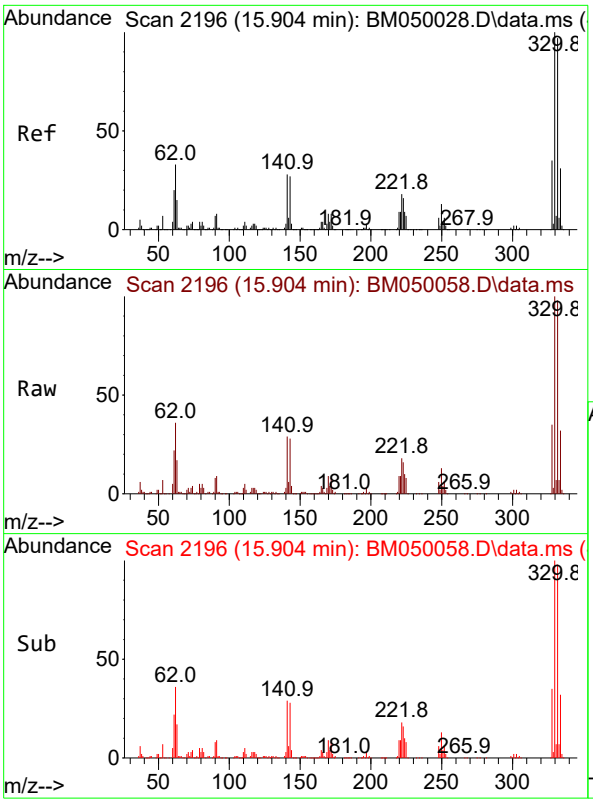


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.000 min
Lab File: BM050058.D
Acq: 30 Apr 2025 23:54

Tgt Ion:164 Resp: 592525

Ion	Ratio	Lower	Upper
164	100		
162	98.7	79.4	119.0
160	45.8	36.2	54.4



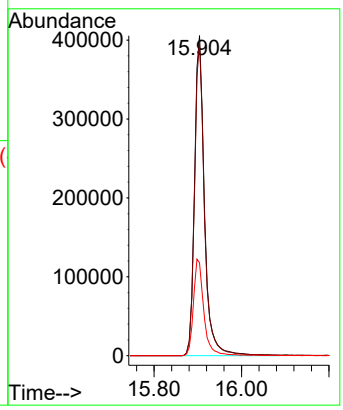


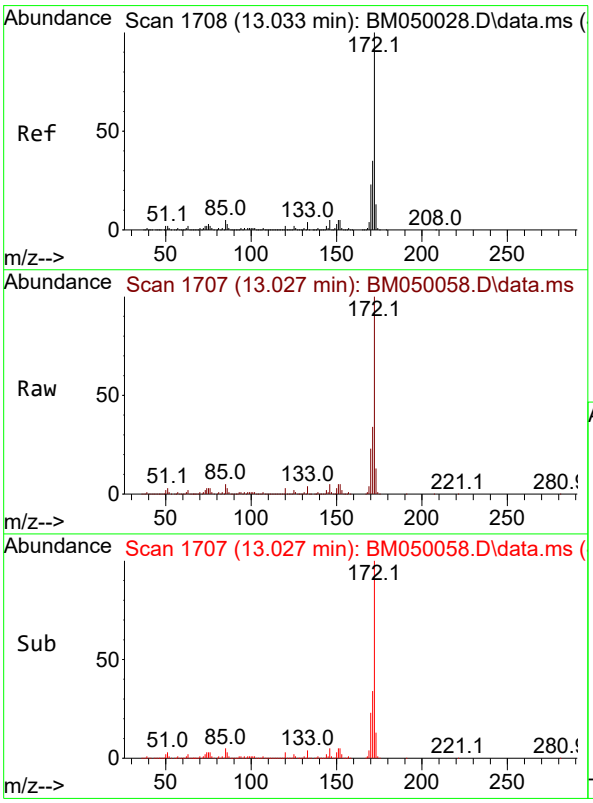
#42
2,4,6-Tribromophenol
Concen: 73.807 ng
RT: 15.904 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM050058.D
Acq: 30 Apr 2025 23:54

Instrument :
BNA_M
ClientSampleId :
OU4-VSL-18-042325

Tgt Ion:330 Resp: 646642

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.3	115.9
141	31.5	22.5	33.7

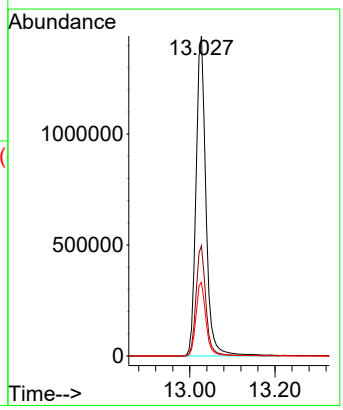


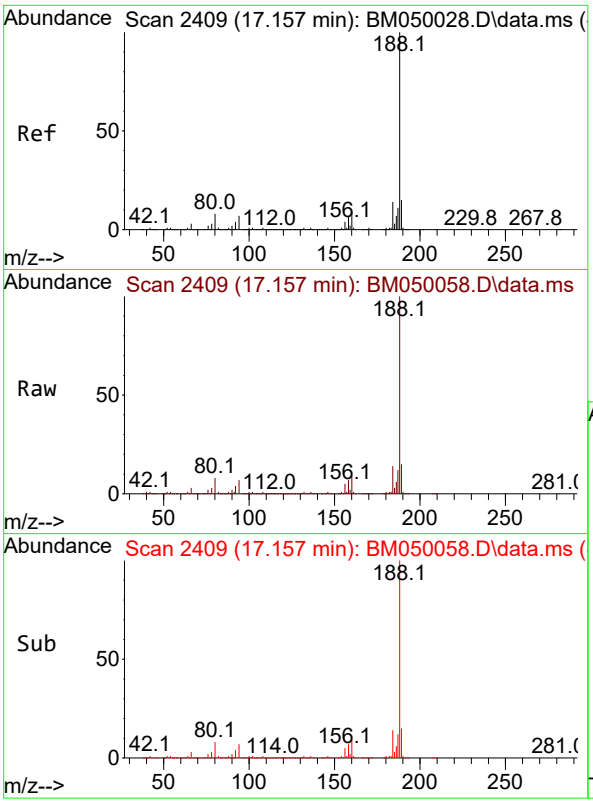


#45
2-Fluorobiphenyl
Concen: 46.684 ng
RT: 13.027 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BM050058.D
Acq: 30 Apr 2025 23:54

Tgt Ion:172 Resp: 2338280

Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.8	41.6
170	23.1	18.6	28.0



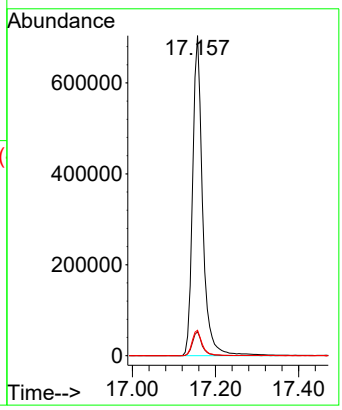


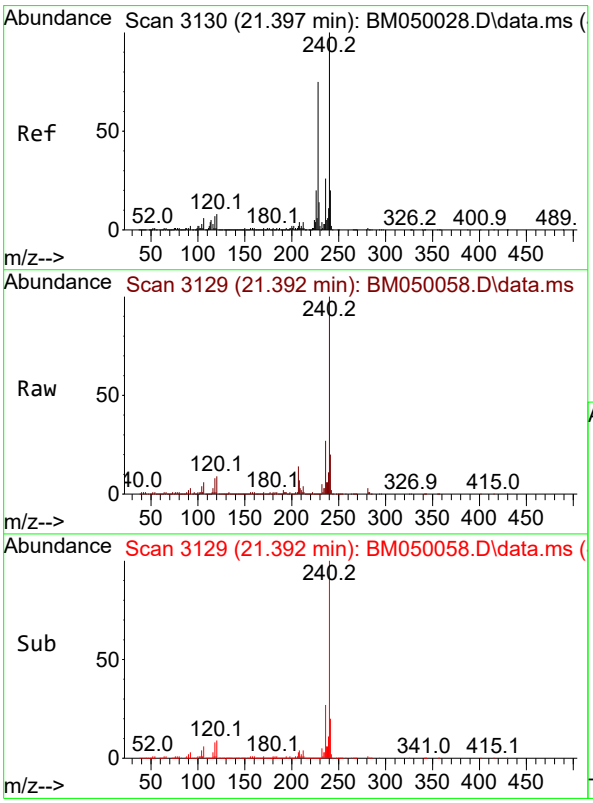
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM050058.D
Acq: 30 Apr 2025 23:54

Instrument :
BNA_M
ClientSampleId :
OU4-VSL-18-042325

Tgt Ion:188 Resp: 1178654

Ion	Ratio	Lower	Upper
188	100		
94	7.5	5.7	8.5
80	8.0	6.2	9.4

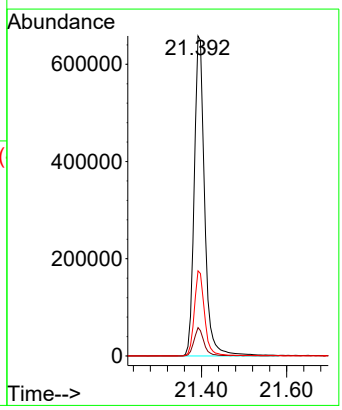


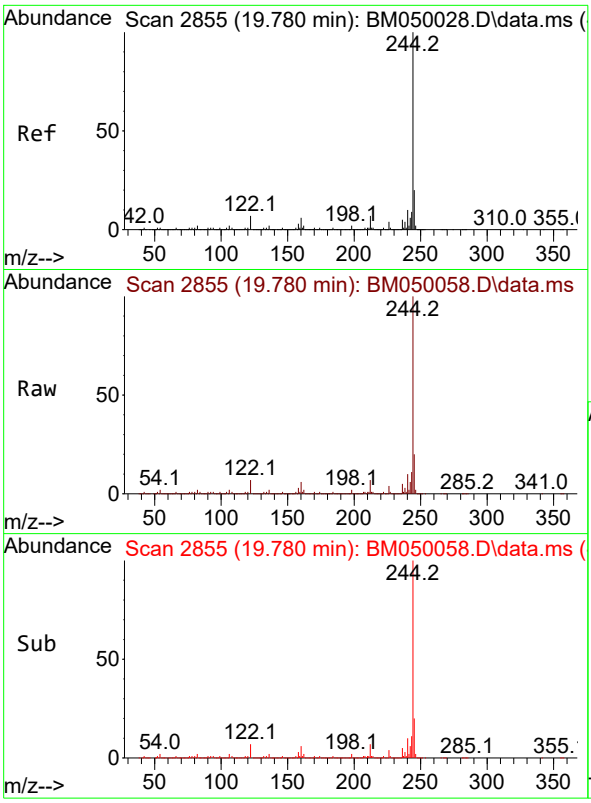


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.392 min Scan# 3129
Delta R.T. -0.005 min
Lab File: BM050058.D
Acq: 30 Apr 2025 23:54

Tgt Ion:240 Resp: 1117971

Ion	Ratio	Lower	Upper
240	100		
120	8.9	6.5	9.7
236	26.6	20.9	31.3



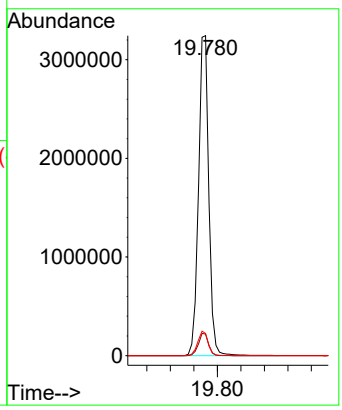


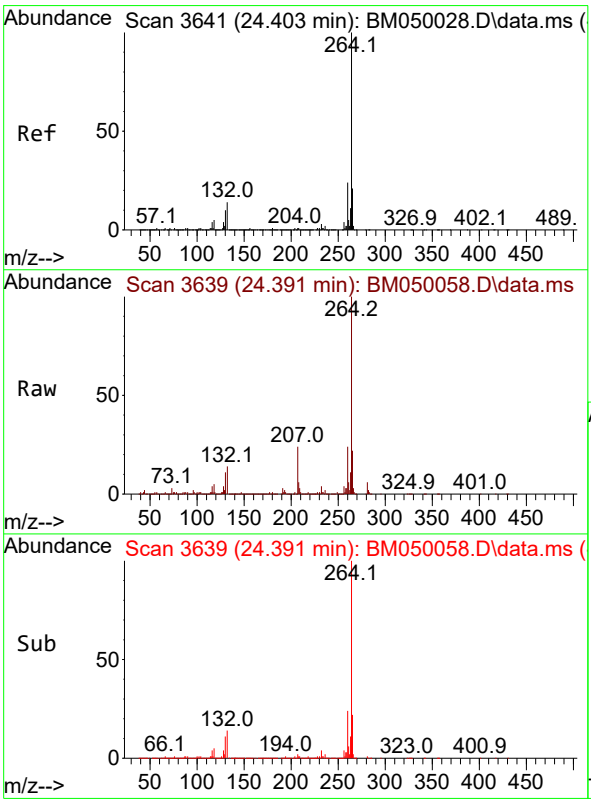
#79
Terphenyl-d14
Concen: 51.950 ng
RT: 19.780 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050058.D
Acq: 30 Apr 2025 23:54

Instrument :
BNA_M
ClientSampleId :
OU4-VSL-18-042325

Tgt Ion:244 Resp: 3924914

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.6	8.4
122	6.9	5.6	8.4

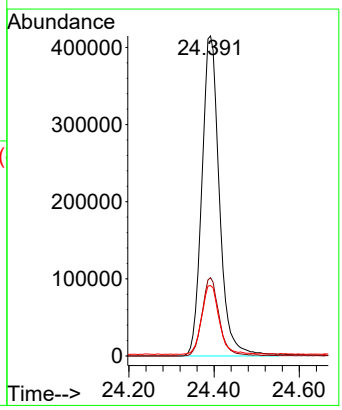




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.391 min Scan# 3639
Delta R.T. -0.012 min
Lab File: BM050058.D
Acq: 30 Apr 2025 23:54

Tgt Ion:264 Resp: 1185662

Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.8	28.2
265	22.0	17.0	25.4



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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-VSL-19-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-15	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95.8
Sample Wt/Vol:	30.05 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050059.D	1	04/28/25 09:45	05/01/25 00:33	PB167767

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.14	U	0.024	0.14	0.18	mg/Kg
91-57-6	2-Methylnaphthalene	0.14	U	0.027	0.14	0.18	mg/Kg
208-96-8	Acenaphthylene	0.14	U	0.030	0.14	0.18	mg/Kg
83-32-9	Acenaphthene	0.14	U	0.022	0.14	0.18	mg/Kg
86-73-7	Fluorene	0.14	U	0.026	0.14	0.18	mg/Kg
85-01-8	Phenanthrene	0.14	U	0.022	0.14	0.18	mg/Kg
120-12-7	Anthracene	0.14	U	0.035	0.14	0.18	mg/Kg
206-44-0	Fluoranthene	0.14	U	0.031	0.14	0.18	mg/Kg
129-00-0	Pyrene	0.14	U	0.038	0.14	0.18	mg/Kg
56-55-3	Benzo(a)anthracene	0.14	U	0.024	0.14	0.18	mg/Kg
218-01-9	Chrysene	0.14	U	0.021	0.14	0.18	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.14	U	0.020	0.14	0.18	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.14	U	0.023	0.14	0.18	mg/Kg
50-32-8	Benzo(a)pyrene	0.14	U	0.031	0.14	0.18	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.14	U	0.030	0.14	0.18	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.14	U	0.029	0.14	0.18	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.14	U	0.027	0.14	0.18	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	74.5		37 - 122		75%	SPK: 100
321-60-8	2-Fluorobiphenyl	72.4		44 - 115		72%	SPK: 100
1718-51-0	Terphenyl-d14	85.1		54 - 127		85%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	245000	7.763				
1146-65-2	Naphthalene-d8	864000	10.557				
15067-26-2	Acenaphthene-d10	586000	14.41				
1517-22-2	Phenanthrene-d10	1150000	17.157				
1719-03-5	Chrysene-d12	1080000	21.392				
1520-96-3	Perylene-d12	1150000	24.391				
TENTATIVE IDENTIFIED COMPOUNDS							

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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/23/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	OU4-VSL-19-042325	SDG No.:	Q1883
Lab Sample ID:	Q1883-15	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95.8
Sample Wt/Vol:	30.05 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050059.D	1	04/28/25 09:45	05/01/25 00:33	PB167767

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972608	Alachlor	0	U			0	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050059.D
Acq On : 01 May 2025 00:33
Operator : RC/JU
Sample : Q1883-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OU4-VSL-19-042325

Quant Time: May 01 02:21:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

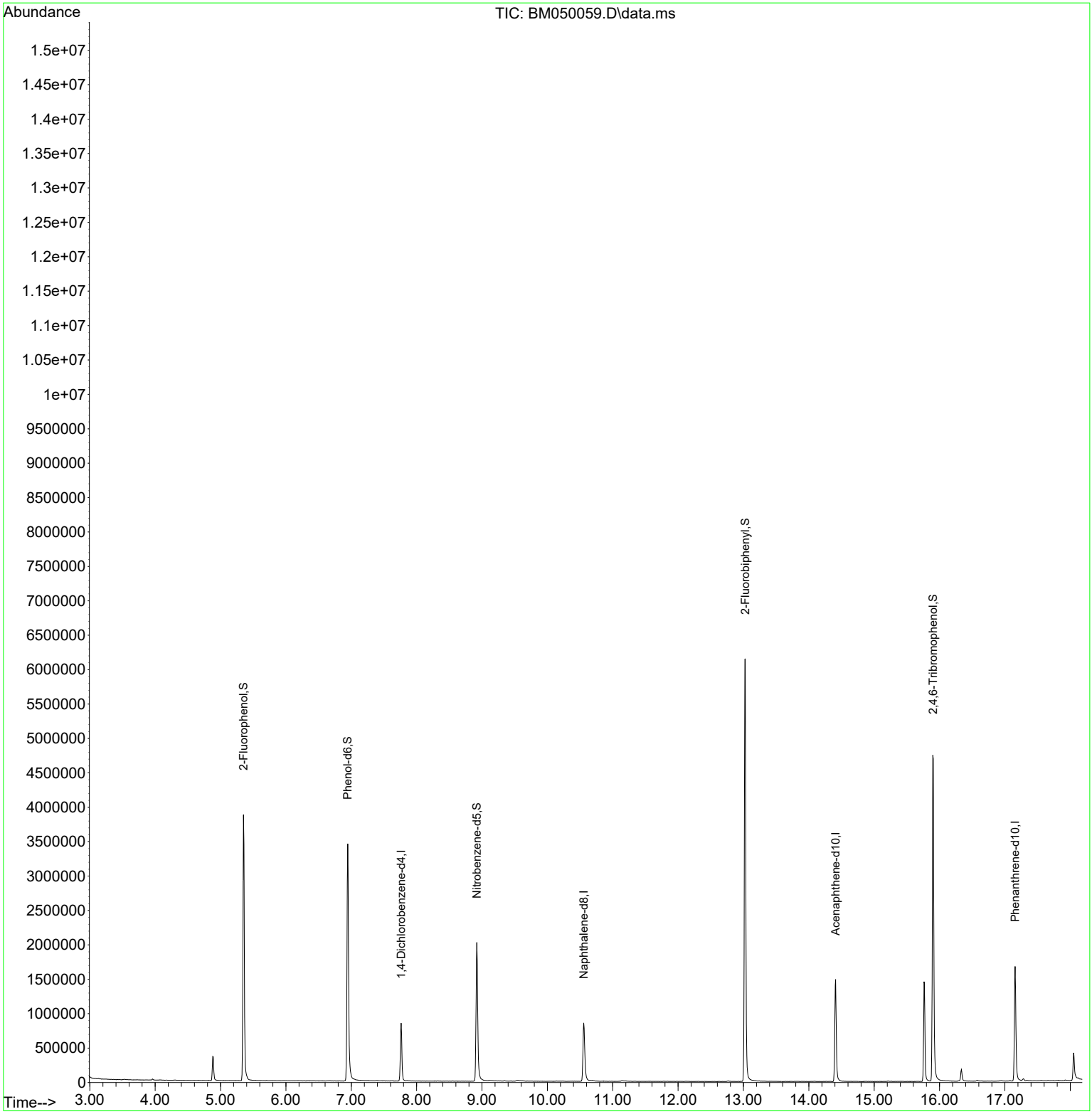
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	245309	20.000	ng	0.00
21) Naphthalene-d8	10.557	136	863965	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	585954	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1150816	20.000	ng	0.00
76) Chrysene-d12	21.392	240	1075487	20.000	ng	0.00
86) Perylene-d12	24.391	264	1146736	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	1735349	123.873	ng	0.00
7) Phenol-d6	6.946	99	2183369	124.002	ng	0.00
23) Nitrobenzene-d5	8.922	82	1306304	74.505	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	1032046	119.117	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	3588416	72.447	ng	0.00
79) Terphenyl-d14	19.774	244	6188649	85.148	ng	0.00
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050059.D
Acq On : 01 May 2025 00:33
Operator : RC/JU
Sample : Q1883-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OU4-VSL-19-042325

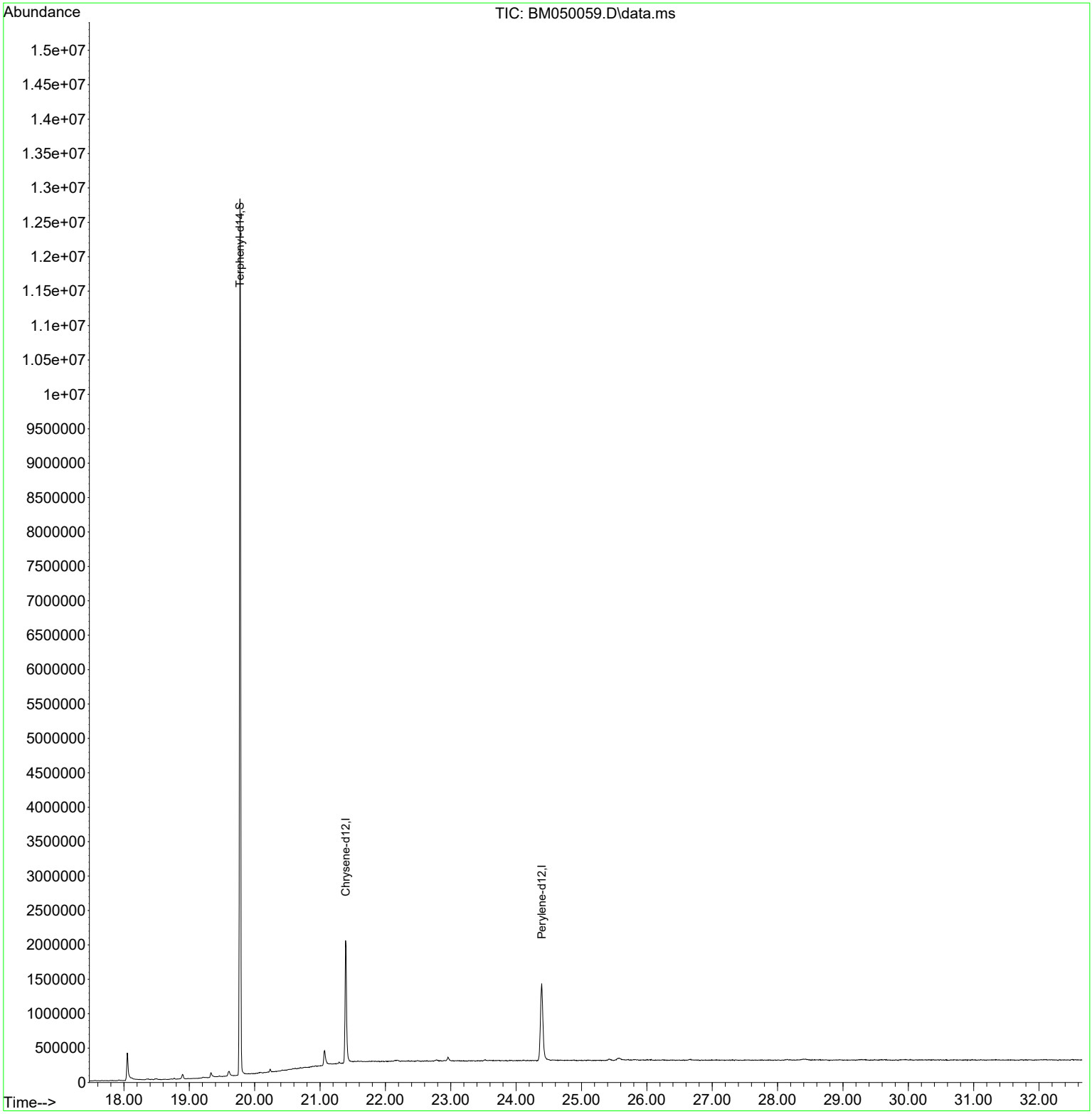
Quant Time: May 01 02:21:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

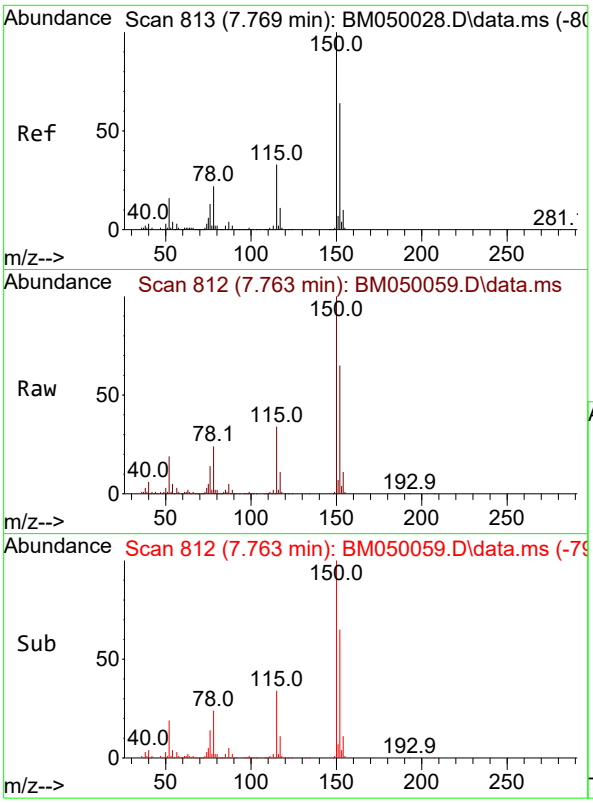


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050059.D
Acq On : 01 May 2025 00:33
Operator : RC/JU
Sample : Q1883-15
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OU4-VSL-19-042325

Quant Time: May 01 02:21:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



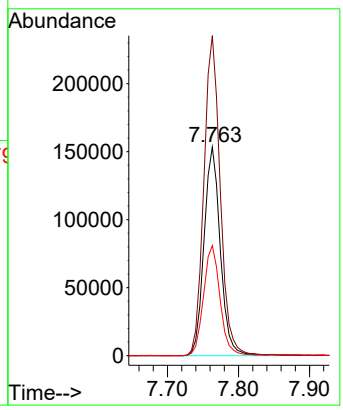


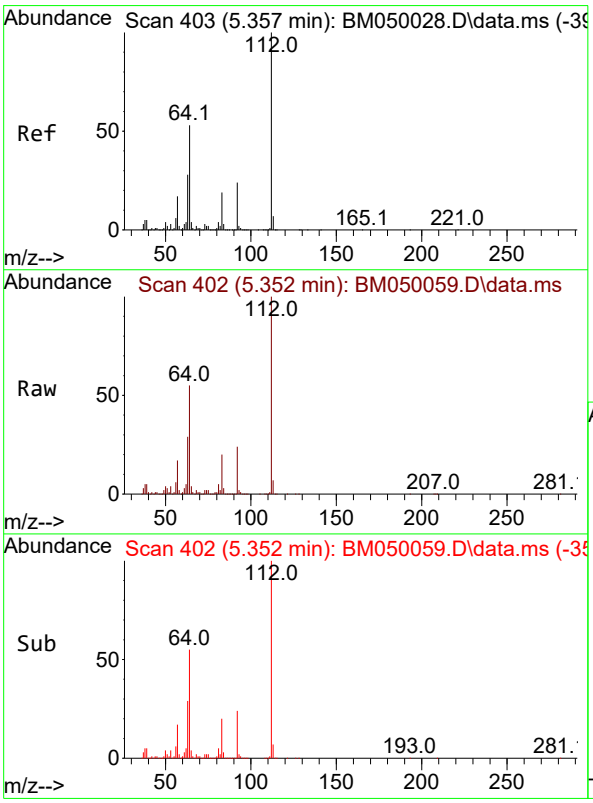
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM050059.D
Acq: 01 May 2025 00:33

Instrument :
BNA_M
ClientSampleId :
OU4-VSL-19-042325

Tgt Ion:152 Resp: 245309

Ion	Ratio	Lower	Upper
152	100		
150	153.4	124.1	186.1
115	52.8	41.2	61.8

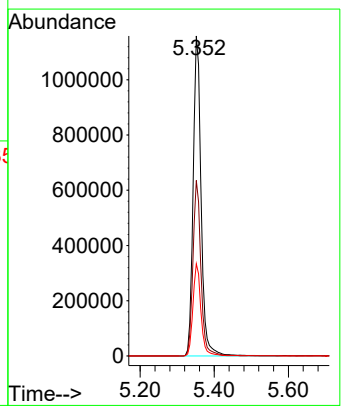


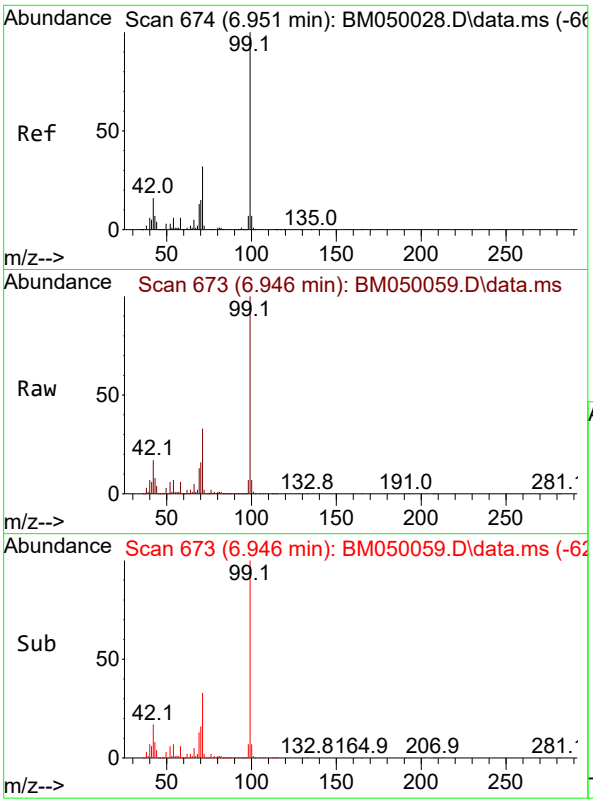


#5
2-Fluorophenol
Concen: 123.873 ng
RT: 5.352 min Scan# 402
Delta R.T. -0.006 min
Lab File: BM050059.D
Acq: 01 May 2025 00:33

Tgt Ion:112 Resp: 1735349

Ion	Ratio	Lower	Upper
112	100		
64	54.8	42.6	64.0
63	28.8	22.2	33.4



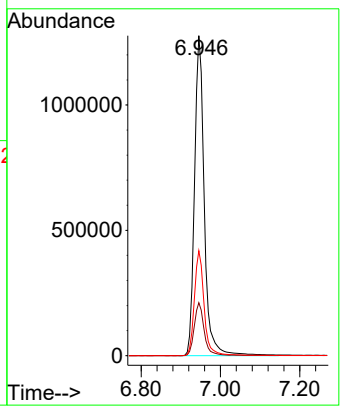


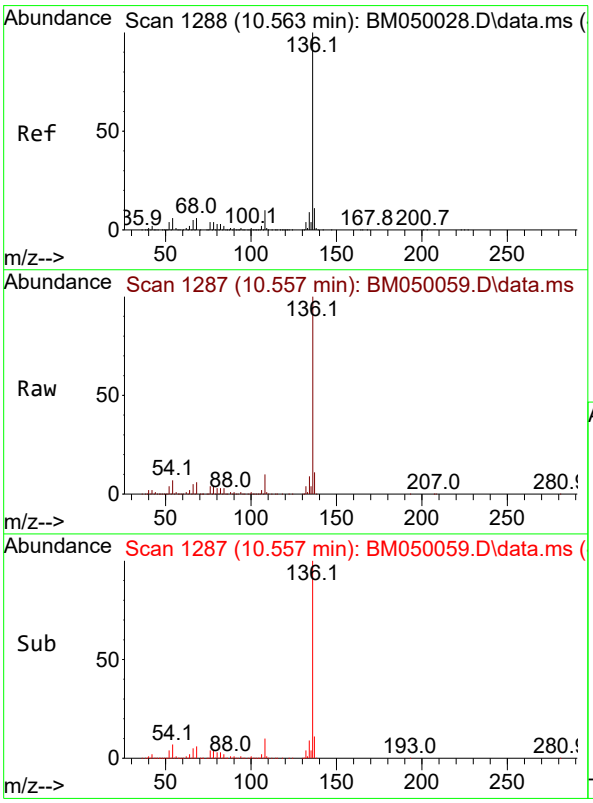
#7
Phenol-d6
Concen: 124.002 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM050059.D
Acq: 01 May 2025 00:33

Instrument :
BNA_M
ClientSampleId :
OU4-VSL-19-042325

Tgt Ion: 99 Resp: 2183369

Ion	Ratio	Lower	Upper
99	100		
42	16.6	13.0	19.4
71	32.8	25.6	38.4

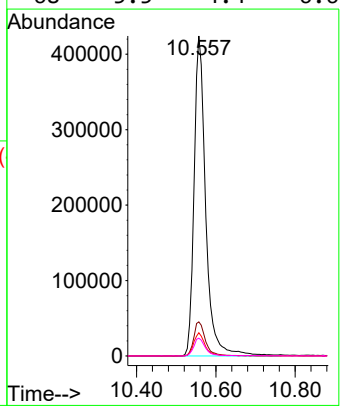


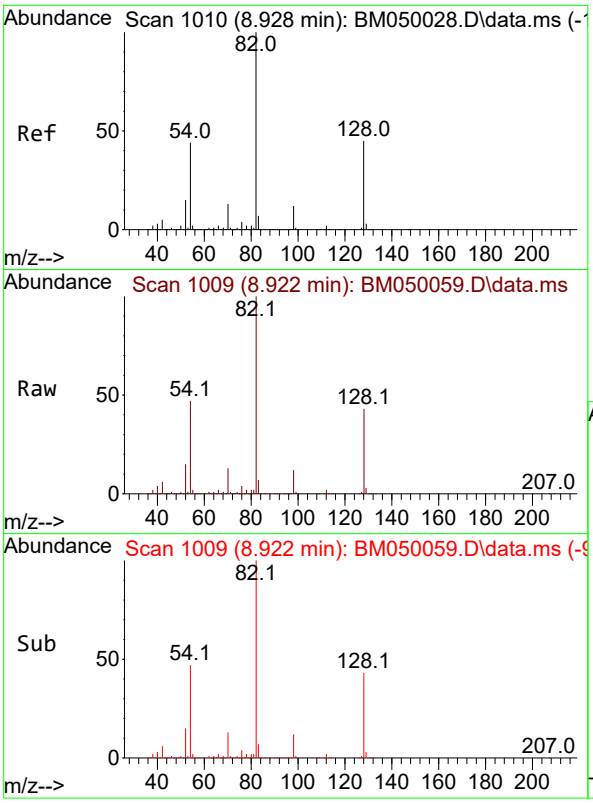


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BM050059.D
Acq: 01 May 2025 00:33

Tgt Ion:136 Resp: 863965

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	7.2	5.1	7.7
68	5.5	4.4	6.6



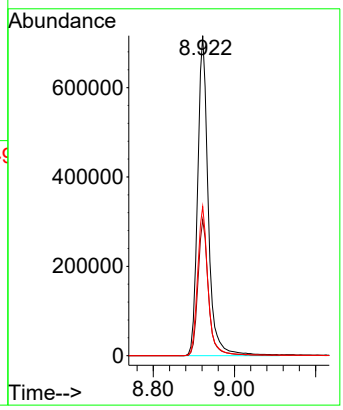


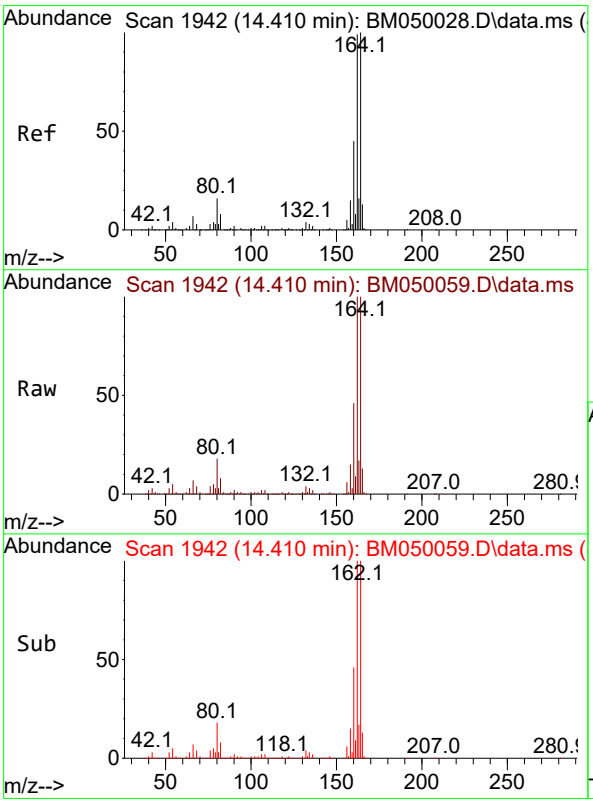
#23
Nitrobenzene-d5
Concen: 74.505 ng
RT: 8.922 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050059.D
Acq: 01 May 2025 00:33

Instrument :
BNA_M
ClientSampleId :
OU4-VSL-19-042325

Tgt Ion: 82 Resp: 1306304

Ion	Ratio	Lower	Upper
82	100		
128	42.5	35.7	53.5
54	46.6	35.4	53.2

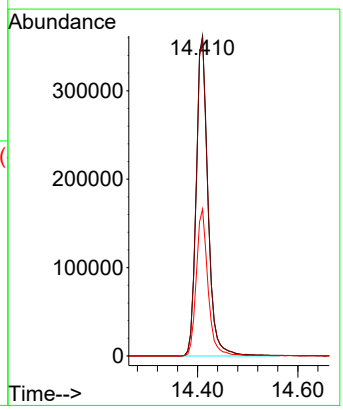


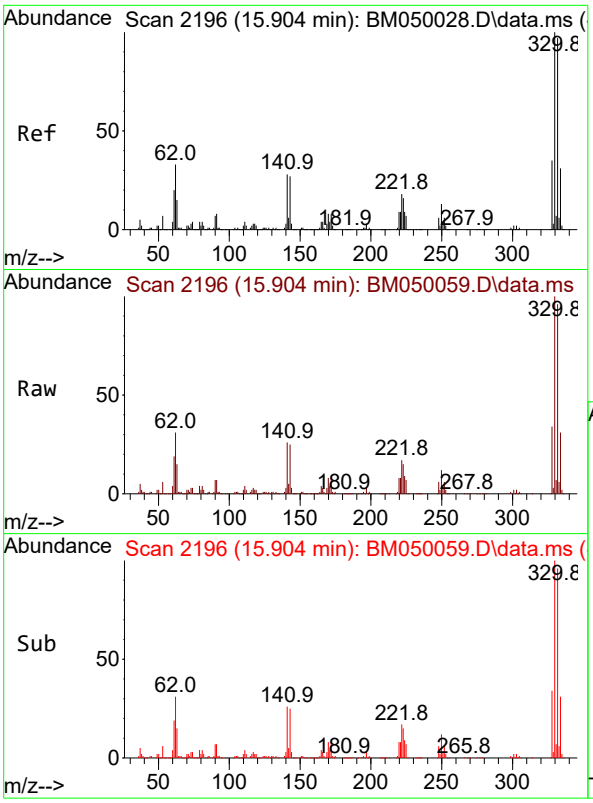


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.000 min
Lab File: BM050059.D
Acq: 01 May 2025 00:33

Tgt Ion:164 Resp: 585954

Ion	Ratio	Lower	Upper
164	100		
162	99.8	79.4	119.0
160	45.9	36.2	54.4



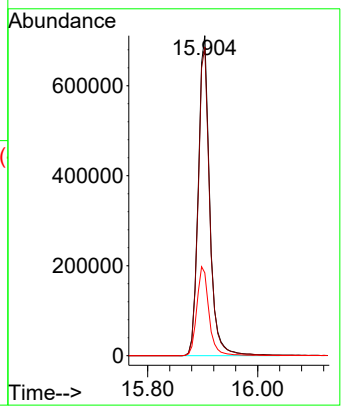


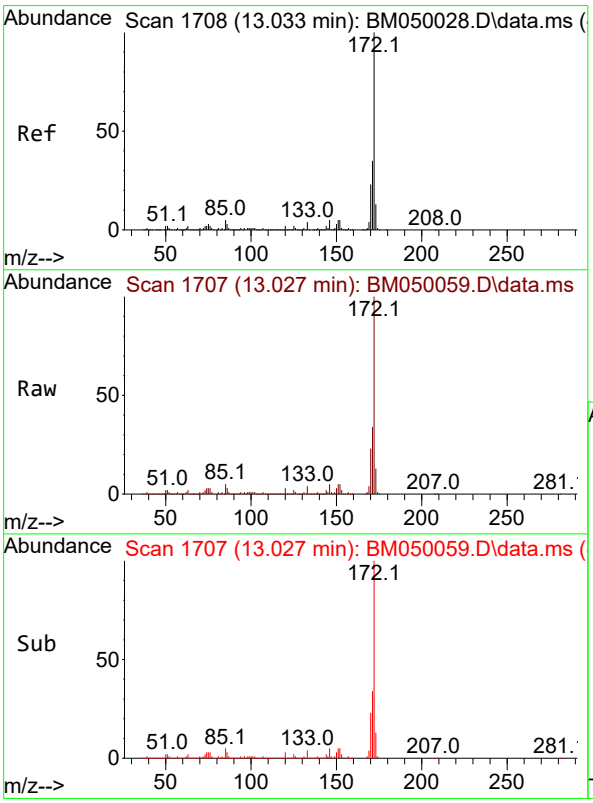
#42
2,4,6-Tribromophenol
Concen: 119.117 ng
RT: 15.904 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM050059.D
Acq: 01 May 2025 00:33

Instrument :
BNA_M
ClientSampleId :
OU4-VSL-19-042325

Tgt Ion:330 Resp: 1032046

Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.3	115.9
141	29.5	22.5	33.7

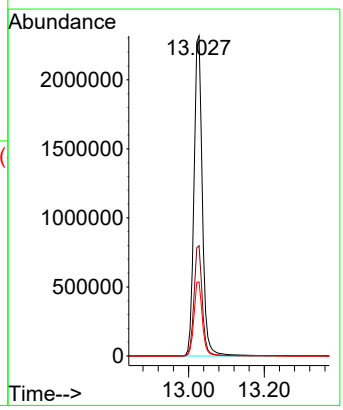


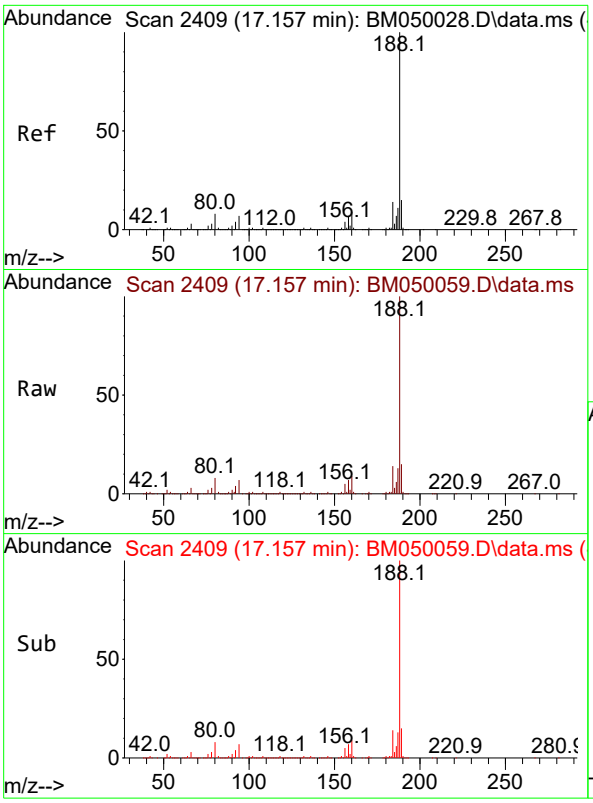


#45
2-Fluorobiphenyl
Concen: 72.447 ng
RT: 13.027 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BM050059.D
Acq: 01 May 2025 00:33

Tgt Ion:172 Resp: 3588416

Ion	Ratio	Lower	Upper
172	100		
171	34.4	27.8	41.6
170	23.2	18.6	28.0



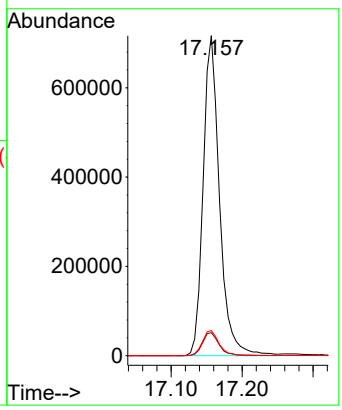


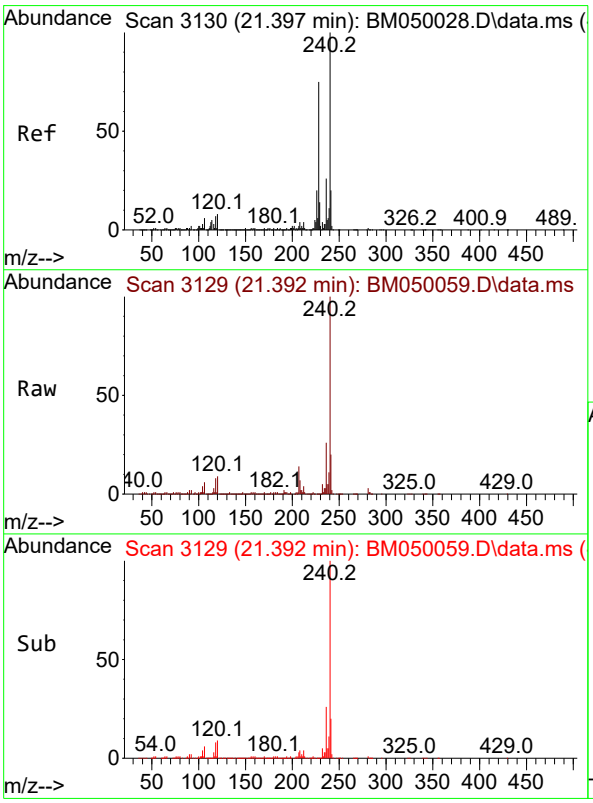
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM050059.D
Acq: 01 May 2025 00:33

Instrument :
BNA_M
ClientSampleId :
OU4-VSL-19-042325

Tgt Ion:188 Resp: 1150816

Ion	Ratio	Lower	Upper
188	100		
94	7.2	5.7	8.5
80	7.8	6.2	9.4

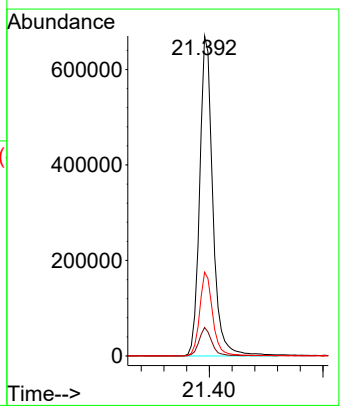


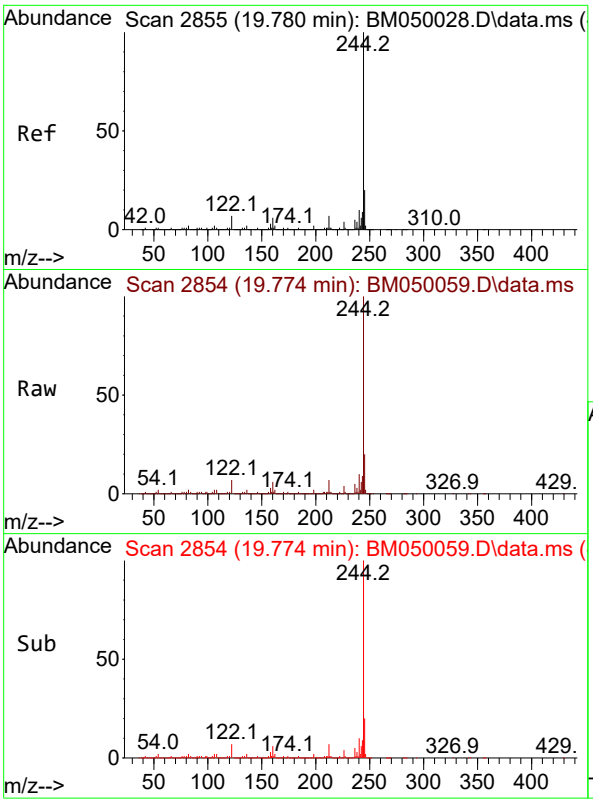


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.392 min Scan# 3129
Delta R.T. -0.005 min
Lab File: BM050059.D
Acq: 01 May 2025 00:33

Tgt Ion:240 Resp: 1075487

Ion	Ratio	Lower	Upper
240	100		
120	8.9	6.5	9.7
236	26.2	20.9	31.3



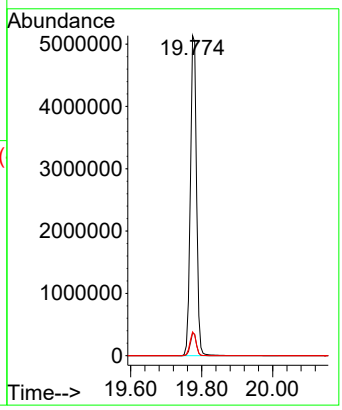


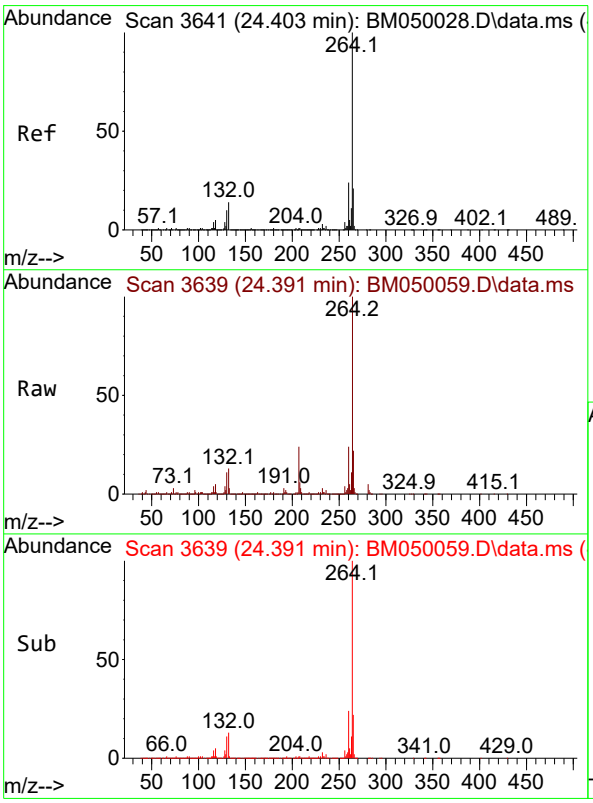
#79
Terphenyl-d14
Concen: 85.148 ng
RT: 19.774 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050059.D
Acq: 01 May 2025 00:33

Instrument :
BNA_M
ClientSampleId :
OU4-VSL-19-042325

Tgt Ion:244 Resp: 6188649

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	7.5	5.6	8.4

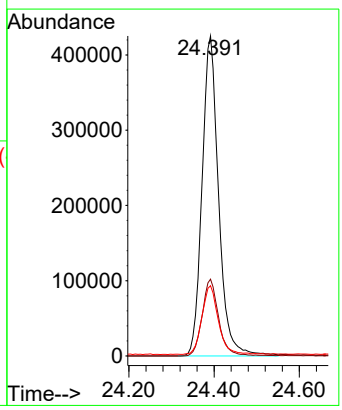




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.391 min Scan# 3639
Delta R.T. -0.012 min
Lab File: BM050059.D
Acq: 01 May 2025 00:33

Tgt Ion:264 Resp: 1146736

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.8	28.2
265	21.9	17.0	25.4



CALIBRATION SUMMARY

Response Factor Report BNA_M

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM042825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Apr 28 18:09:16 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BM050024.D 5 =BM050025.D 10 =BM050026.D 20 =BM050027.D 40 =BM050028.D 50 =BM050029.D 60 =BM050030.D 80 =BM0500
31.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.506	0.464	0.478	0.511	0.504	0.491	0.473	0.490	3.75
3)		Pyridine		1.201	1.166	1.229	1.331	1.328	1.292	1.261	1.258	5.03
4)		n-Nitrosodimet...		0.487	0.459	0.475	0.522	0.518	0.504	0.490	0.493	4.62
5)	S	2-Fluorophenol		1.074	1.079	1.107	1.208	1.211	1.173	1.142	1.142	5.04
6)		Aniline		1.657	1.689	1.768	1.942	1.922	1.875	1.835	1.813	6.16
7)	S	Phenol-d6		1.290	1.318	1.398	1.543	1.537	1.494	1.469	1.436	7.13
8)		2-Chlorophenol		1.169	1.161	1.198	1.312	1.301	1.268	1.235	1.235	4.96
9)		Benzaldehyde		0.940	0.920	0.971	1.031	1.013	0.956	0.894	0.961	5.08
10)	C	Phenol		1.349	1.344	1.420	1.539	1.537	1.501	1.483	1.453	5.73
11)		bis(2-Chloroet...		1.213	1.105	1.176	1.279	1.271	1.233	1.218	1.213	4.90
12)		1,3-Dichlorobe...		1.483	1.428	1.453	1.566	1.552	1.508	1.453	1.492	3.51
13)	C	1,4-Dichlorobe...		1.518	1.418	1.463	1.561	1.557	1.516	1.458	1.499	3.60
14)		1,2-Dichlorobe...		1.420	1.393	1.423	1.522	1.506	1.464	1.405	1.448	3.50
15)		Benzyl Alcohol		0.866	0.881	0.966	1.080	1.074	1.050	1.050	0.996	9.16
16)		2,2'-oxybis(1-...		1.487	1.422	1.445	1.552	1.513	1.473	1.433	1.475	3.17
17)		2-Methylphenol		0.857	0.893	0.931	1.033	1.026	0.988	0.975	0.957	6.96
18)		Hexachloroethane		0.552	0.508	0.521	0.556	0.548	0.533	0.510	0.533	3.79
19)	P	n-Nitroso-di-n...	0.802	0.889	0.885	0.921	1.003	0.988	0.949	0.928	0.921	6.95
20)		3+4-Methylphenols		1.137	1.170	1.267	1.393	1.392	1.349	1.341	1.293	8.09
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.483	0.464	0.485	0.531	0.525	0.506	0.487	0.497	4.94
23)	S	Nitrobenzene-d5		0.386	0.374	0.397	0.434	0.433	0.417	0.400	0.406	5.68
24)		Nitrobenzene		0.337	0.325	0.345	0.374	0.372	0.358	0.346	0.351	5.16
25)		Isophorone		0.666	0.648	0.680	0.729	0.729	0.704	0.687	0.692	4.44
26)	C	2-Nitrophenol		0.148	0.157	0.172	0.196	0.198	0.192	0.191	0.179	11.33
27)		2,4-Dimethylph...		0.263	0.266	0.289	0.324	0.322	0.312	0.305	0.297	8.42
28)		bis(2-Chloroet...		0.407	0.399	0.422	0.455	0.452	0.434	0.425	0.428	4.92
29)	C	2,4-Dichloroph...		0.294	0.298	0.326	0.362	0.359	0.351	0.342	0.333	8.47
30)		1,2,4-Trichlor...		0.400	0.384	0.394	0.427	0.426	0.412	0.399	0.406	4.02
31)		Naphthalene		1.001	0.959	0.993	1.066	1.057	1.023	0.989	1.013	3.80
32)		Benzoic acid			0.138	0.172	0.197	0.206	0.212	0.215	0.190	15.67
33)		4-Chloroaniline		0.361	0.393	0.404	0.441	0.448	0.437	0.423	0.415	7.51
34)	C	Hexachlorobuta...		0.253	0.240	0.249	0.270	0.270	0.263	0.258	0.258	4.34
35)		Caprolactam		0.090	0.085	0.095	0.104	0.104	0.102	0.100	0.097	7.73
36)	C	4-Chloro-3-met...		0.289	0.283	0.302	0.325	0.329	0.317	0.309	0.308	5.72
37)		2-Methylnaphth...		0.656	0.639	0.662	0.713	0.714	0.692	0.678	0.679	4.22
38)		1-Methylnaphth...		0.703	0.675	0.708	0.753	0.751	0.731	0.710	0.719	3.92

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM042825.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.624	0.622	0.655	0.742	0.745	0.725	0.733	0.692	8.17
41)	P	Hexachlorocycl...		0.303	0.362	0.455	0.468	0.467	0.483	0.423	17.30
42)	S	2,4,6-Tribromo...	0.253	0.249	0.281	0.318	0.329	0.318	0.323	0.296	11.61
43)	C	2,4,6-Trichlor...	0.372	0.381	0.423	0.476	0.485	0.467	0.469	0.439	10.76
44)		2,4,5-Trichlor...	0.410	0.417	0.453	0.517	0.519	0.501	0.497	0.474	9.83
45)	S	2-Fluorobiphenyl	1.588	1.555	1.632	1.807	1.822	1.744	1.688	1.691	6.21
46)		1,1'-Biphenyl	1.427	1.395	1.452	1.573	1.581	1.507	1.473	1.487	4.77
47)		2-Chloronaphth...	1.126	1.112	1.155	1.250	1.248	1.192	1.158	1.177	4.69
48)		2-Nitroaniline	0.238	0.242	0.269	0.302	0.304	0.294	0.286	0.276	9.96
49)		Acenaphthylene	1.794	1.715	1.810	1.972	1.971	1.889	1.845	1.857	5.10
50)		Dimethylphthalate	1.444	1.377	1.437	1.532	1.543	1.470	1.429	1.462	4.02
51)		2,6-Dinitrotol...	0.266	0.271	0.299	0.327	0.331	0.316	0.309	0.303	8.50
52)	C	Acenaphthene	1.038	0.998	1.046	1.133	1.145	1.094	1.067	1.075	4.93
53)		3-Nitroaniline	0.233	0.247	0.284	0.321	0.325	0.311	0.302	0.289	12.47
54)	P	2,4-Dinitrophenol		0.100	0.132	0.178	0.194	0.188	0.191	0.164	23.65
55)		Dibenzofuran	1.749	1.681	1.749	1.876	1.888	1.810	1.763	1.788	4.17
56)	P	4-Nitrophenol		0.128	0.180	0.224	0.237	0.231	0.231	0.205	20.96
57)		2,4-Dinitrotol...	0.338	0.366	0.412	0.456	0.468	0.447	0.440	0.418	11.72
58)		Fluorene	1.387	1.343	1.431	1.558	1.573	1.500	1.453	1.463	5.84
59)		2,3,4,6-Tetrac...	0.366	0.362	0.398	0.435	0.445	0.432	0.431	0.410	8.44
60)		Diethylphthalate	1.372	1.301	1.380	1.433	1.451	1.376	1.328	1.377	3.86
61)		4-Chlorophenyl...	0.741	0.716	0.770	0.857	0.871	0.836	0.836	0.804	7.58
62)		4-Nitroaniline	0.208	0.234	0.277	0.313	0.321	0.301	0.295	0.279	15.17
63)		Azobenzene	1.118	1.091	1.150	1.216	1.229	1.165	1.110	1.154	4.59
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.088	0.110	0.135	0.142	0.138	0.137	0.125	17.16
66)	c	n-Nitrosodiphe...	0.580	0.572	0.596	0.655	0.657	0.629	0.610	0.614	5.56
67)		4-Bromophenyl-...	0.223	0.216	0.229	0.258	0.258	0.256	0.253	0.242	7.60
68)		Hexachlorobenzene	0.265	0.251	0.264	0.294	0.295	0.291	0.291	0.279	6.49
69)		Atrazine	0.196	0.198	0.214	0.236	0.242	0.234	0.230	0.222	8.47
70)	C	Pentachlorophenol		0.117	0.141	0.167	0.172	0.170	0.174	0.157	14.52
71)		Phenanthrene	1.075	1.035	1.083	1.187	1.212	1.173	1.132	1.128	5.84
72)		Anthracene	1.062	1.038	1.096	1.214	1.236	1.191	1.154	1.142	6.78
73)		Carbazole	0.909	0.900	0.960	1.054	1.075	1.038	0.999	0.991	7.05
74)		Di-n-butylphth...	1.106	1.082	1.151	1.246	1.277	1.231	1.165	1.180	6.25
75)	C	Fluoranthene	1.178	1.142	1.250	1.410	1.455	1.425	1.411	1.324	9.86
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.560	0.646	0.772	0.769	0.765	0.751	0.710	12.36
78)		Pyrene	1.290	1.255	1.332	1.518	1.520	1.465	1.453	1.404	7.83
79)	S	Terphenyl-d14	1.176	1.189	1.332	1.524	1.541	1.458	1.239	1.352	11.58
80)		Butylbenzylpht...	0.489	0.479	0.515	0.562	0.568	0.545	0.524	0.526	6.53
81)		Benzo(a)anthra...	1.280	1.231	1.321	1.478	1.479	1.442	1.408	1.377	7.24
82)		3,3'-Dichlorob...	0.434	0.432	0.483	0.580	0.597	0.583	0.581	0.527	14.14
83)		Chrysene	1.208	1.170	1.214	1.342	1.369	1.325	1.296	1.275	6.03
84)		Bis(2-ethylhex...	0.726	0.725	0.775	0.843	0.852	0.814	0.765	0.786	6.61
85)	c	Di-n-octyl pht...	1.221	1.197	1.267	1.366	1.404	1.341	1.275	1.296	5.92

Response Factor Report BNA_M

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM042825.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.301	1.293	1.404	1.602	1.646	1.591	1.595	1.490	10.27
88)		Benzo(b)fluora...	1.128	1.149	1.209	1.406	1.415	1.408	1.390	1.301	10.16
89)		Benzo(k)fluora...	1.219	1.150	1.251	1.387	1.449	1.383	1.372	1.316	8.29
90)	C	Benzo(a)pyrene	1.094	1.066	1.147	1.295	1.330	1.298	1.297	1.218	9.15
91)		Dibenzo(a,h)an...	1.056	1.044	1.142	1.300	1.347	1.305	1.310	1.215	10.72
92)		Benzo(g,h,i)pe...	1.066	1.030	1.105	1.236	1.268	1.224	1.212	1.163	8.07

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050024.D
Acq On : 28 Apr 2025 12:30
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Quant Time: Apr 28 17:52:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

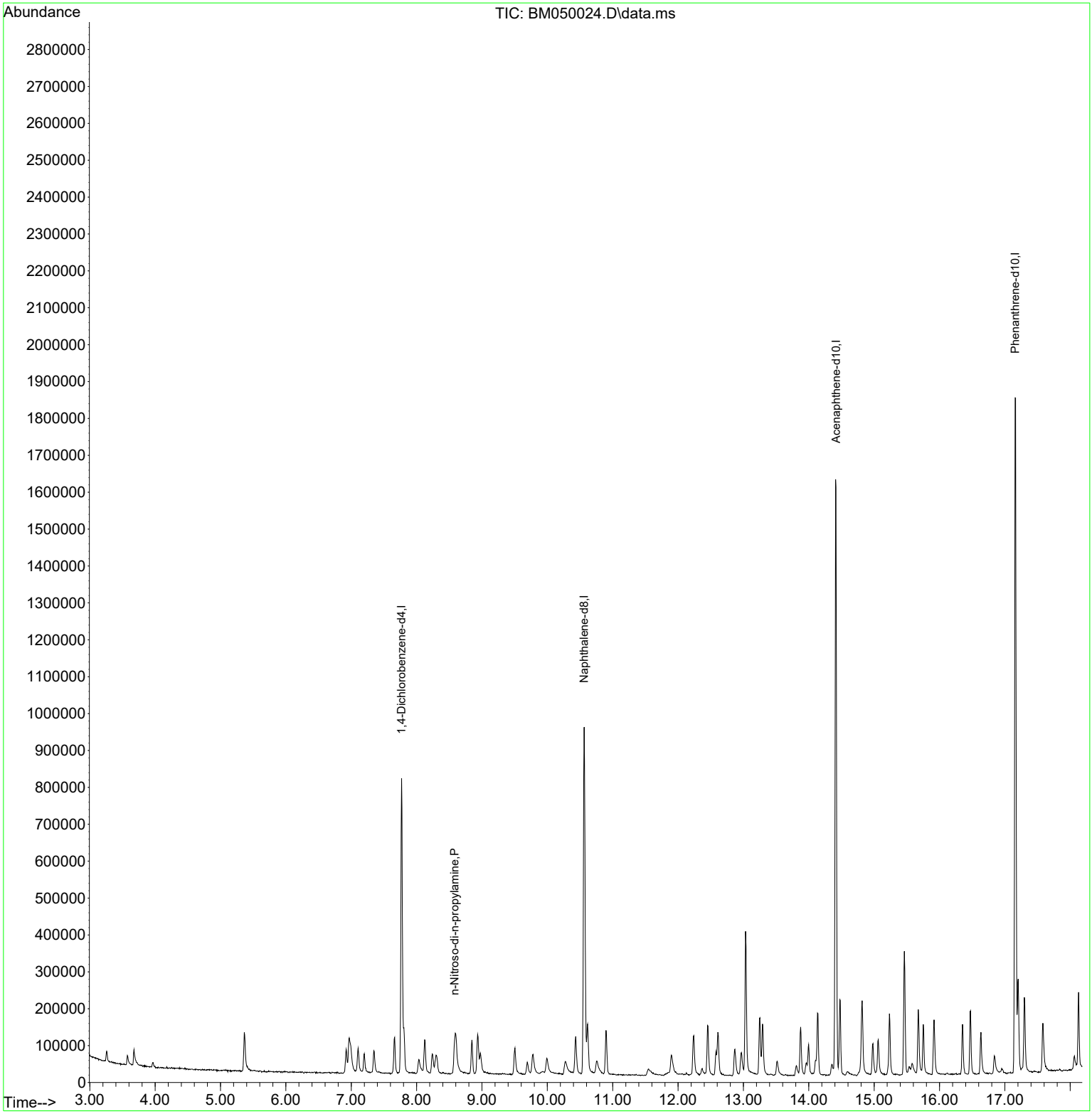
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	241974	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	868675	20.000	ng	0.00
39) Acenaphthene-d10	14.416	164	604723	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1218544	20.000	ng	0.00
76) Chrysene-d12	21.404	240	1187007	20.000	ng	0.00
86) Perylene-d12	24.409	264	1217038	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...	8.581	70	24247	2.177	ng	96

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050024.D
Acq On : 28 Apr 2025 12:30
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Quant Time: Apr 28 17:52:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

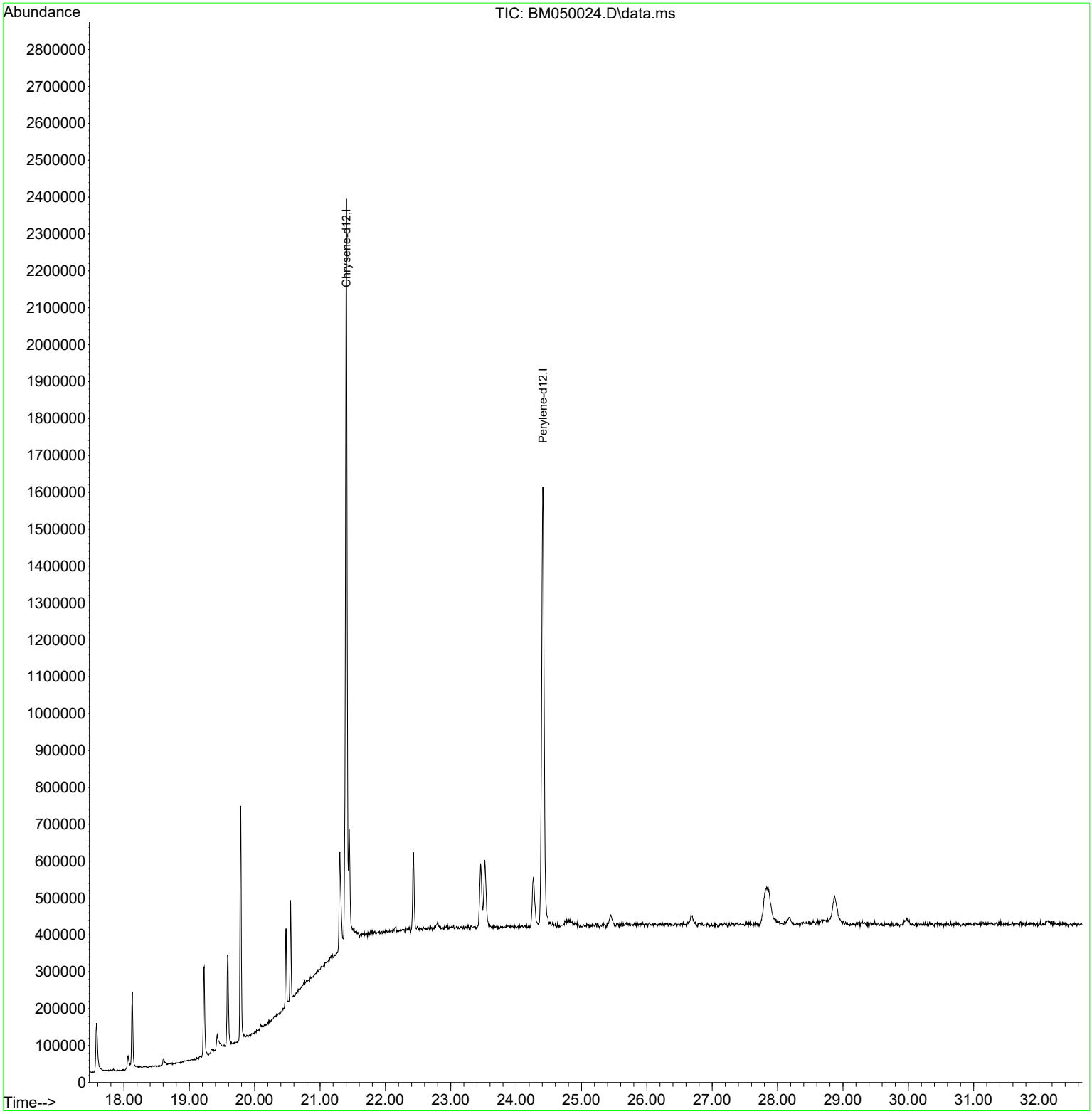


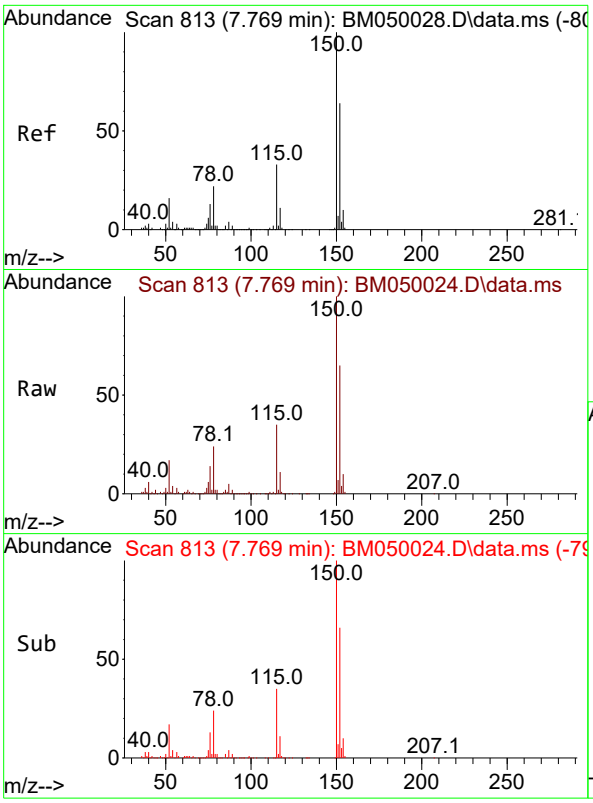
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050024.D
Acq On : 28 Apr 2025 12:30
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Quant Time: Apr 28 17:52:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration



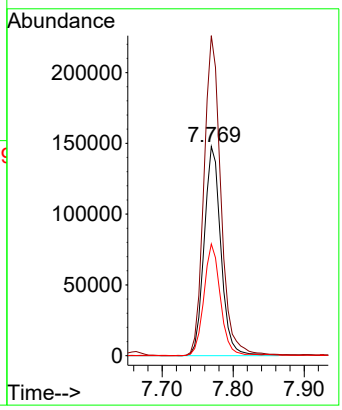


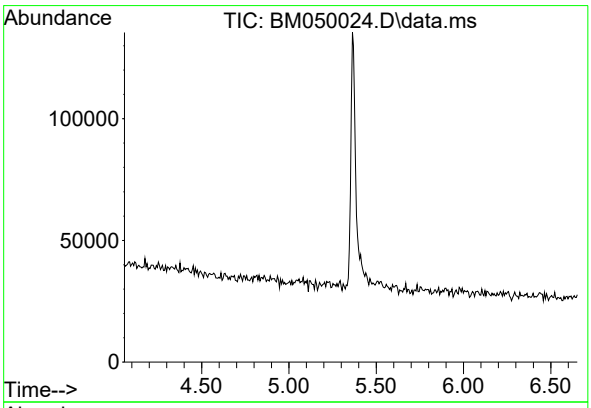
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM050024.D
Acq: 28 Apr 2025 12:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 241974

Ion	Ratio	Lower	Upper
152	100		
150	153.0	124.1	186.1
115	53.4	41.2	61.8



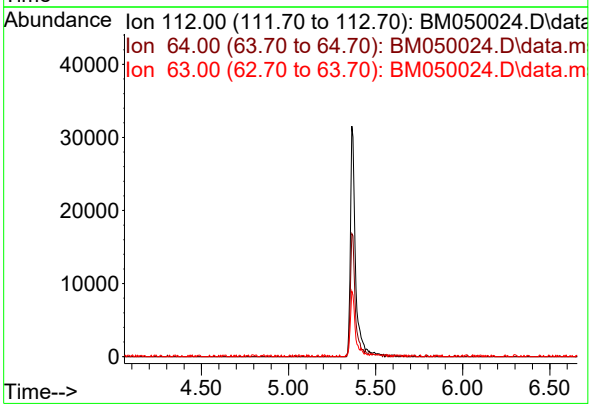


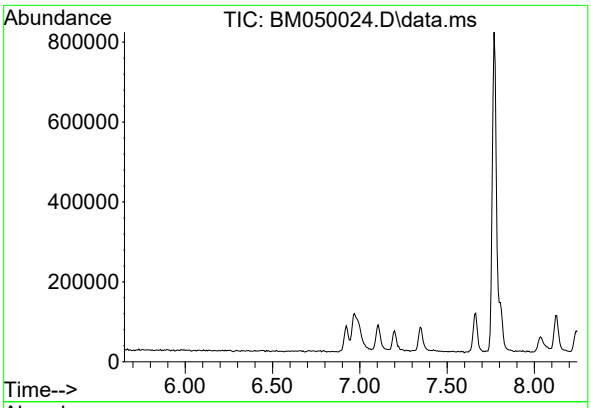
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.36 min

Lab File: BM050024.D
Acq: 28 Apr 2025 12:30

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	53.3
63	27.8





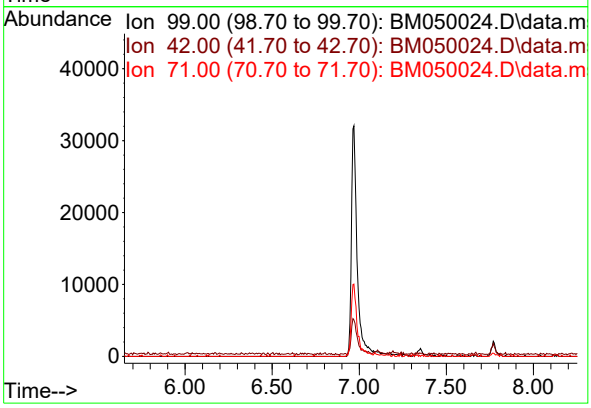
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.95 min

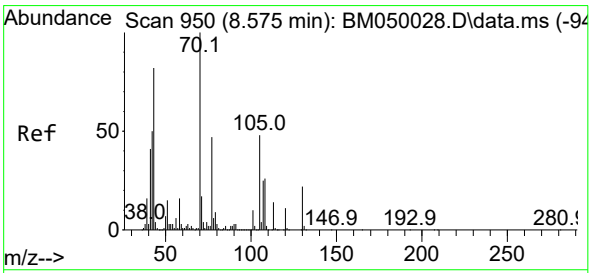
Lab File: BM050024.D
Acq: 28 Apr 2025 12:30

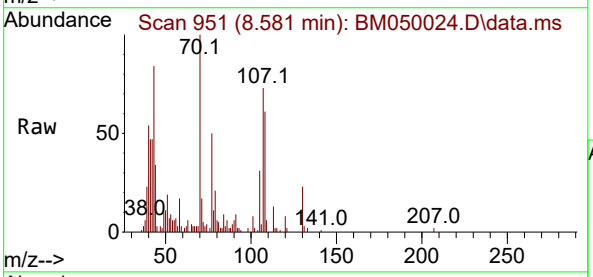
Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

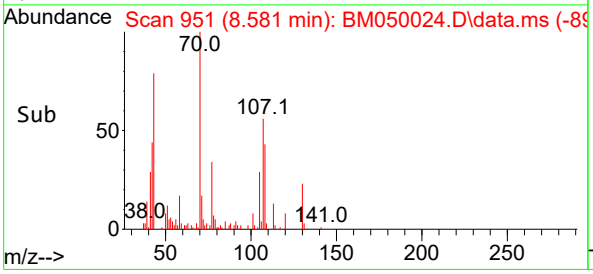
Tgt Ion: 99

Sig	Exp Ratio
99	100
42	16.2
71	32.0





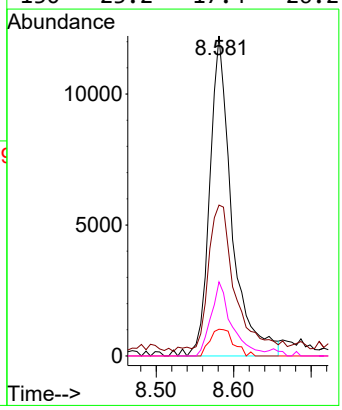


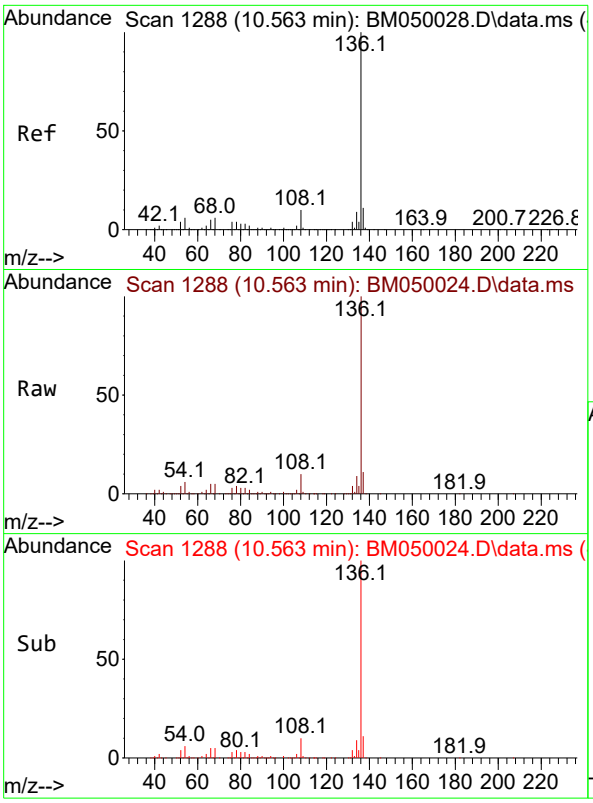


#19
n-Nitroso-di-n-propylamine
Concen: 2.177 ng
RT: 8.581 min Scan# 951
Delta R.T. 0.006 min
Lab File: BM050024.D
Acq: 28 Apr 2025 12:30

Tgt Ion: 70 Resp: 24247

Ion	Ratio	Lower	Upper
70	100		
42	47.1	40.5	60.7
101	8.4	7.8	11.6
130	23.2	17.4	26.2



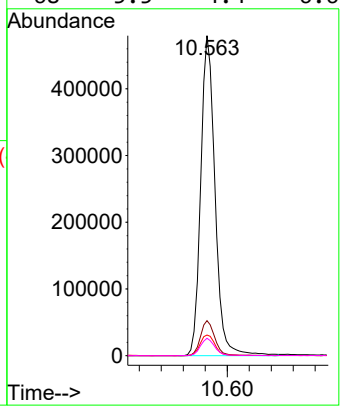


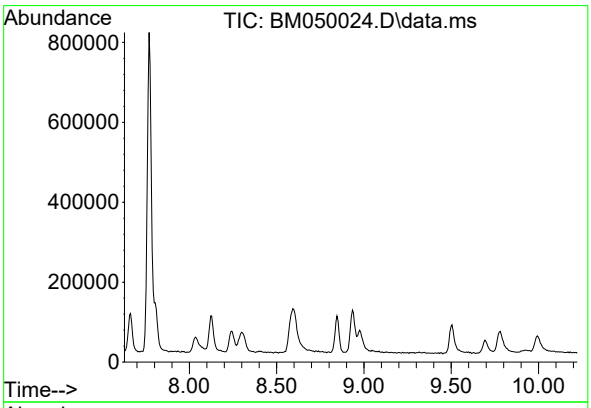
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050024.D
Acq: 28 Apr 2025 12:30

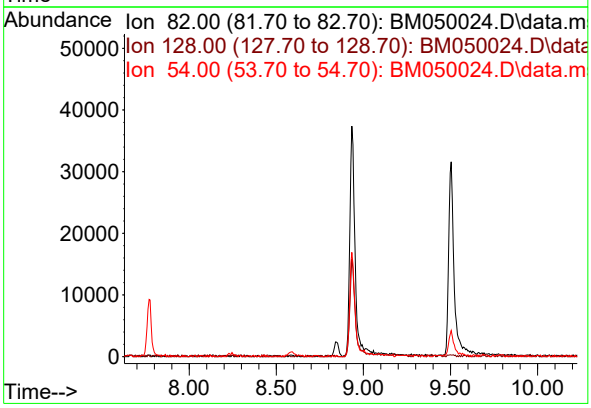
Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 868675

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.4	5.1	7.7
68	5.5	4.4	6.6





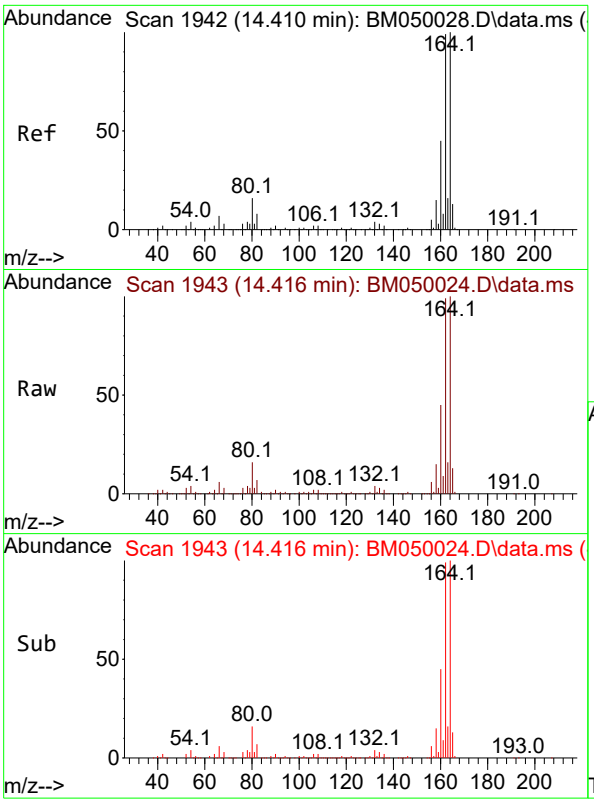


#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 8.93 min

Lab File: BM050024.D
Acq: 28 Apr 2025 12:30

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	44.6
54	44.3

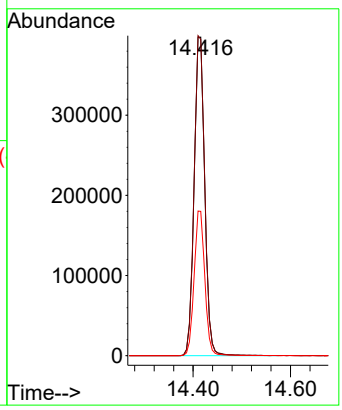


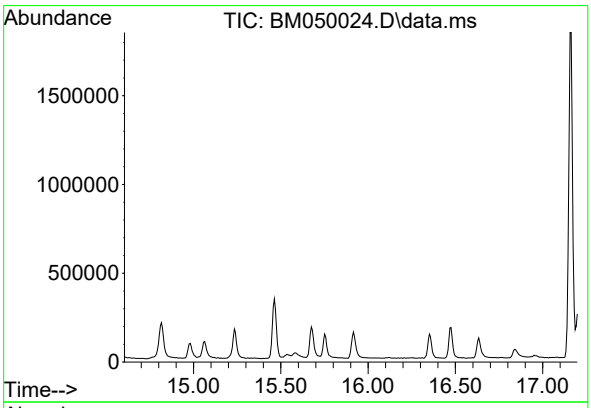
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050024.D
Acq: 28 Apr 2025 12:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 604723

Ion	Ratio	Lower	Upper
164	100		
162	99.3	79.4	119.0
160	45.3	36.2	54.4



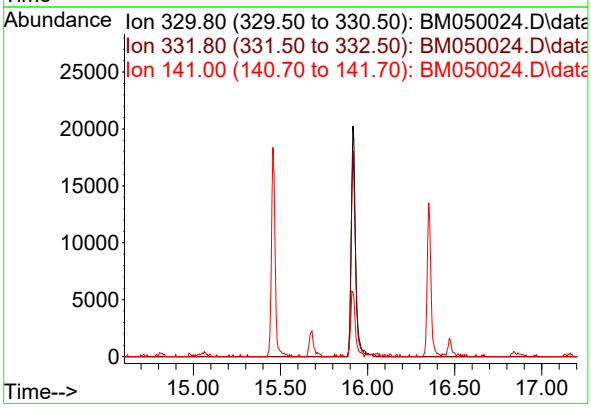


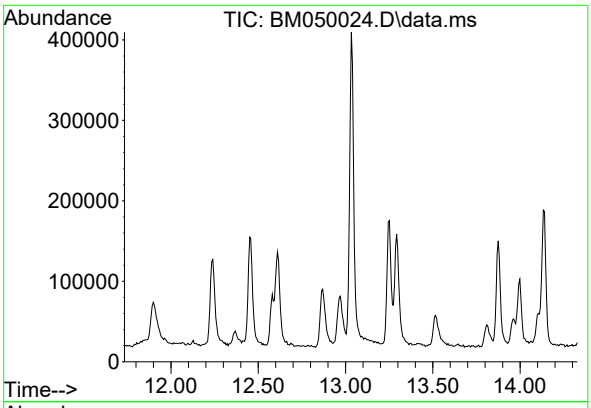
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.90 min

Lab File: BM050024.D
Acq: 28 Apr 2025 12:30

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.6
141	28.1





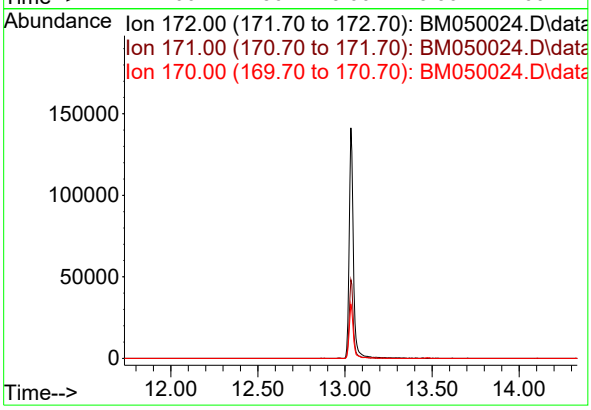
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.03 min

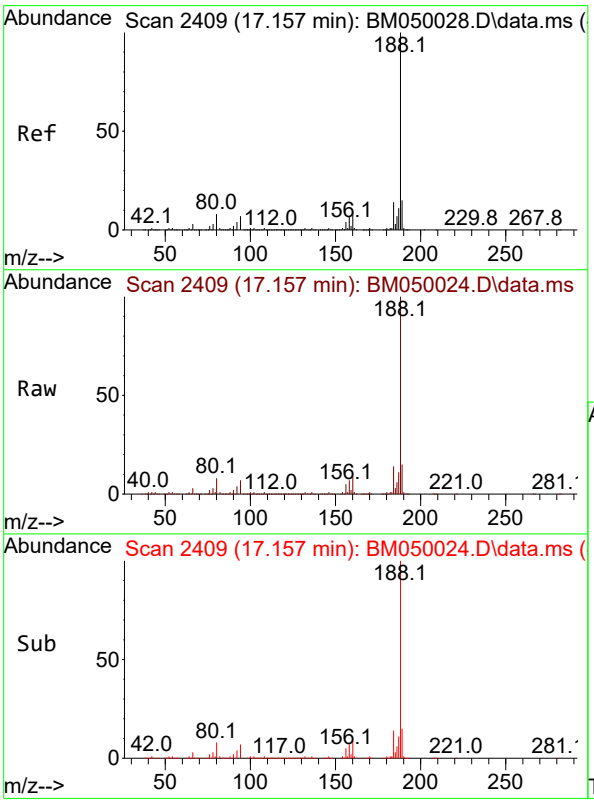
Lab File: BM050024.D
Acq: 28 Apr 2025 12:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

Sig	Exp Ratio
172	100
171	34.7
170	23.3

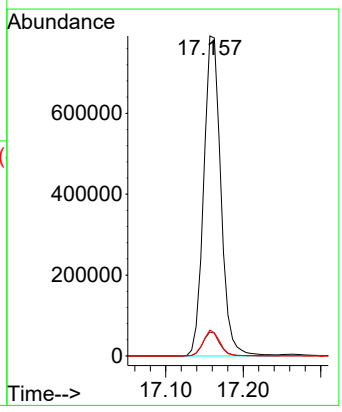


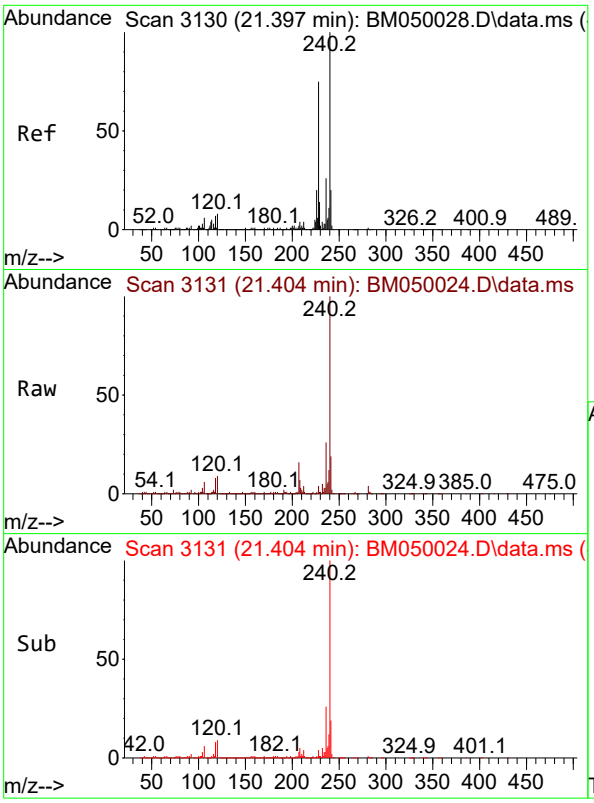


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BM050024.D
Acq: 28 Apr 2025 12:30

Tgt Ion:188 Resp: 1218544

Ion	Ratio	Lower	Upper
188	100		
94	7.5	5.7	8.5
80	8.1	6.2	9.4



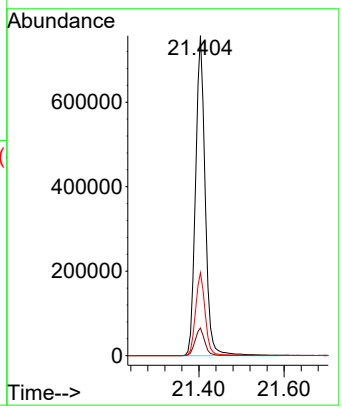


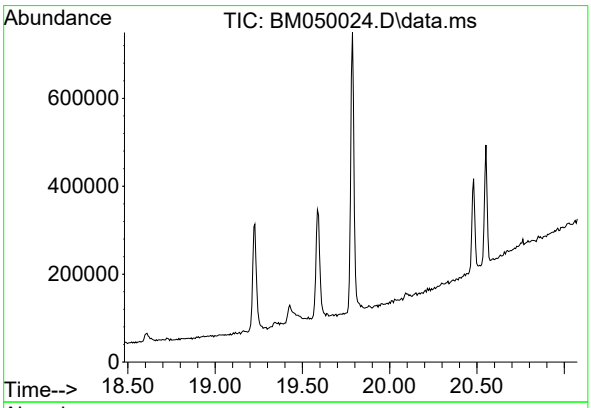
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.404 min Scan# 3
Delta R.T. 0.007 min
Lab File: BM050024.D
Acq: 28 Apr 2025 12:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 1187007

Ion	Ratio	Lower	Upper
240	100		
120	8.7	6.5	9.7
236	25.9	20.9	31.3



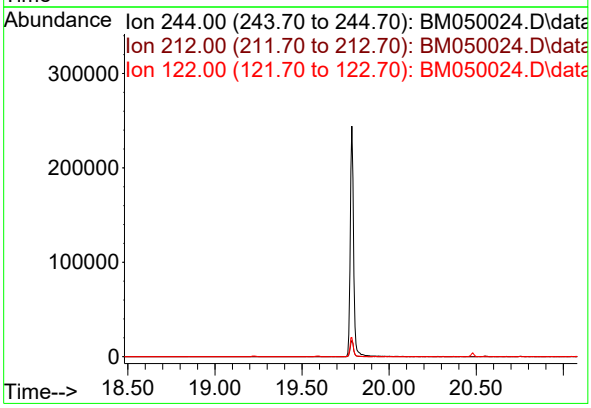


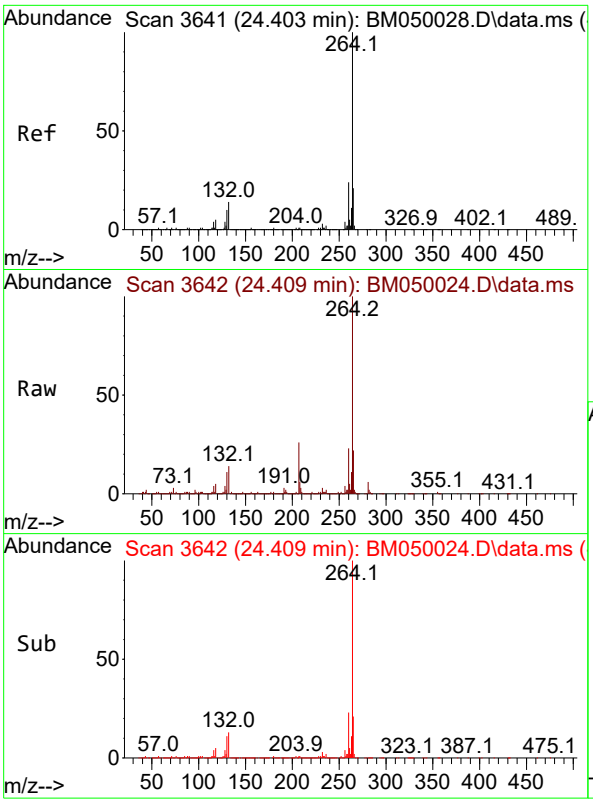
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.78 min

Lab File: BM050024.D
Acq: 28 Apr 2025 12:30

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.0
122	7.0



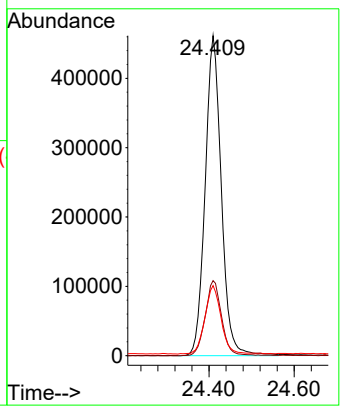


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.409 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM050024.D
Acq: 28 Apr 2025 12:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 1217038

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.8	28.2
265	21.9	17.0	25.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050025.D
Acq On : 28 Apr 2025 13:09
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

Quant Time: Apr 28 17:53:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.769	152	222427	20.000	ng		0.00
21) Naphthalene-d8	10.563	136	815362	20.000	ng		0.00
39) Acenaphthene-d10	14.410	164	578294	20.000	ng		0.00
64) Phenanthrene-d10	17.157	188	1183325	20.000	ng		0.00
76) Chrysene-d12	21.403	240	1136162	20.000	ng		0.00
86) Perylene-d12	24.403	264	1149910	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.363	112	119473	9.406	ng		0.00
7) Phenol-d6	6.957	99	143453	8.985	ng		0.00
23) Nitrobenzene-d5	8.928	82	157222	9.502	ng		0.00
42) 2,4,6-Tribromophenol	15.910	330	73192	8.560	ng		0.00
45) 2-Fluorobiphenyl	13.033	172	459031	9.390	ng		0.00
79) Terphenyl-d14	19.780	244	668289	8.704	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.257	88	28163	5.171	ng		98
3) Pyridine	3.669	79	66766	4.771	ng		98
4) n-Nitrosodimethylamine	3.575	42	27060	4.930	ng	#	92
6) Aniline	7.098	93	92126	4.570	ng		97
8) 2-Chlorophenol	7.345	128	64999	4.733	ng		99
9) Benzaldehyde	6.916	77	52286m	4.900	ng		
10) Phenol	6.987	94	75011	4.641	ng		99
11) bis(2-Chloroethyl)ether	7.192	93	67447	4.998	ng		98
12) 1,3-Dichlorobenzene	7.657	146	82466	4.971	ng		98
13) 1,4-Dichlorobenzene	7.804	146	84400	5.064	ng		97
14) 1,2-Dichlorobenzene	8.122	146	78966	4.905	ng		99
15) Benzyl Alcohol	8.022	79	48180	4.352	ng		95
16) 2,2'-oxybis(1-Chloropr...	8.298	45	82711	5.042	ng		93
17) 2-Methylphenol	8.234	107	47632	4.474	ng		99
18) Hexachloroethane	8.845	117	30717	5.185	ng		97
19) n-Nitroso-di-n-propyla...	8.575	70	49455	4.830	ng		98
20) 3+4-Methylphenols	8.575	107	63223	4.397	ng	#	91
22) Acetophenone	8.598	105	98358	4.852	ng		98
24) Nitrobenzene	8.975	77	68598	4.795	ng		94
25) Isophorone	9.498	82	135828	4.816	ng		98
26) 2-Nitrophenol	9.692	139	30257	4.140	ng		95
27) 2,4-Dimethylphenol	9.763	122	53660	4.427	ng		99
28) bis(2-Chloroethoxy)met...	9.986	93	82947	4.758	ng		99
29) 2,4-Dichlorophenol	10.263	162	59828	4.406	ng		97
30) 1,2,4-Trichlorobenzene	10.428	180	81624	4.934	ng		97
31) Naphthalene	10.616	128	204133	4.944	ng		98
33) 4-Chloroaniline	10.751	127	73542	4.345	ng		97
34) Hexachlorobutadiene	10.898	225	51529	4.907	ng		98
35) Caprolactam	11.522	113	18349m	4.634	ng		
36) 4-Chloro-3-methylphenol	11.886	107	58843	4.690	ng		97
37) 2-Methylnaphthalene	12.233	142	133679	4.829	ng		97
38) 1-Methylnaphthalene	12.451	142	143332	4.892	ng		99
40) 1,2,4,5-Tetrachloroben...	12.604	216	90168	4.504	ng		98
43) 2,4,6-Trichlorophenol	12.863	196	53748	4.233	ng		96
44) 2,4,5-Trichlorophenol	12.951	196	59224	4.325	ng		98
46) 1,1'-Biphenyl	13.245	154	206296	4.799	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050025.D
Acq On : 28 Apr 2025 13:09
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

Quant Time: Apr 28 17:53:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
47)	2-Chloronaphthalene	13.286	162	162803	4.782	ng		98
48)	2-Nitroaniline	13.504	65	34348	4.299	ng		91
49)	Acenaphthylene	14.133	152	259406	4.832	ng		100
50)	Dimethylphthalate	13.869	163	208800	4.941	ng		100
51)	2,6-Dinitrotoluene	13.992	165	38453	4.395	ng		94
52)	Acenaphthene	14.474	154	150042	4.829	ng		99
53)	3-Nitroaniline	14.339	138	33713	4.036	ng	#	94
55)	Dibenzofuran	14.816	168	252898	4.892	ng		99
57)	2,4-Dinitrotoluene	14.798	165	48901	4.044	ng	#	87
58)	Fluorene	15.463	166	200542	4.739	ng		95
59)	2,3,4,6-Tetrachlorophenol	15.057	232	52899	4.463	ng		97
60)	Diethylphthalate	15.233	149	198362	4.981	ng		98
61)	4-Chlorophenyl-phenyle...	15.457	204	107081	4.607	ng		94
62)	4-Nitroaniline	15.515	138	30138m	3.737	ng		
63)	Azobenzene	15.751	77	161662	4.844	ng		98
66)	n-Nitrosodiphenylamine	15.674	169	171608	4.723	ng		97
67)	4-Bromophenyl-phenylether	16.351	248	66000	4.612	ng		95
68)	Hexachlorobenzene	16.468	284	78506	4.759	ng		99
69)	Atrazine	16.627	200	58110	4.433	ng		99
71)	Phenanthrene	17.198	178	317954	4.764	ng		99
72)	Anthracene	17.292	178	314149	4.651	ng		99
73)	Carbazole	17.574	167	268774	4.586	ng		99
74)	Di-n-butylphthalate	18.127	149	327178	4.688	ng		100
75)	Fluoranthene	19.221	202	348593	4.449	ng		99
78)	Pyrene	19.586	202	366473	4.593	ng		99
80)	Butylbenzylphthalate	20.480	149	138827	4.646	ng		97
81)	Benzo(a)anthracene	21.380	228	363641	4.648	ng		99
82)	3,3'-Dichlorobenzidine	21.315	252	123375	4.119	ng	#	95
83)	Chrysene	21.445	228	343085	4.738	ng		98
84)	Bis(2-ethylhexyl)phtha...	21.297	149	206231	4.620	ng		96
85)	Di-n-octyl phthalate	22.427	149	346799	4.711	ng		98
87)	Indeno(1,2,3-cd)pyrene	27.803	276	373944	4.364	ng	#	87
88)	Benzo(b)fluoranthene	23.456	252	324395	4.338	ng		99
89)	Benzo(k)fluoranthene	23.515	252	350374m	4.631	ng		
90)	Benzo(a)pyrene	24.262	252	314608	4.492	ng		98
91)	Dibenzo(a,h)anthracene	27.856	278	303557	4.346	ng		98
92)	Benzo(g,h,i)perylene	28.862	276	306571	4.585	ng		98

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

ICAL Form

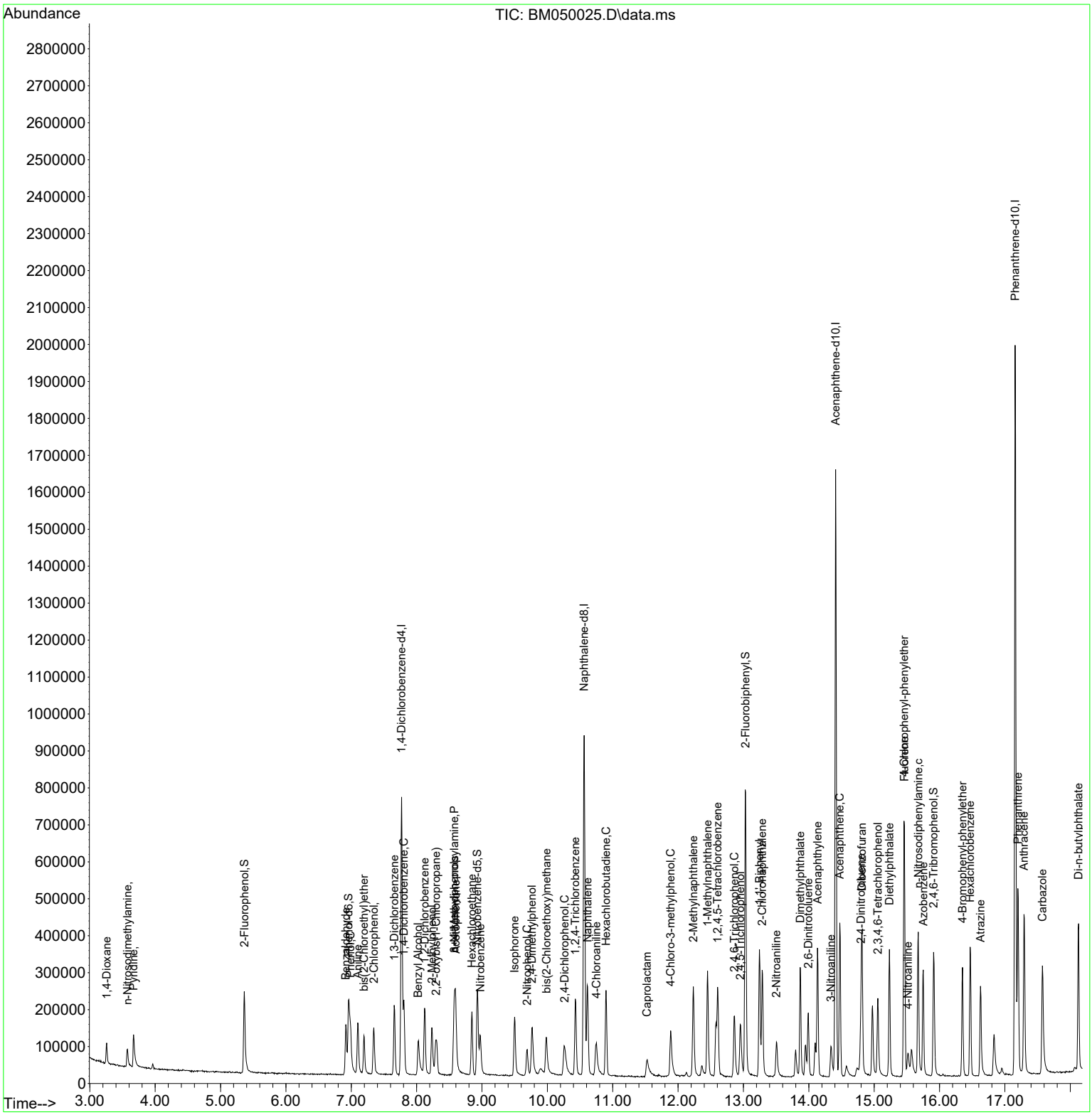
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050025.D
Acq On : 28 Apr 2025 13:09
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 28 17:53:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



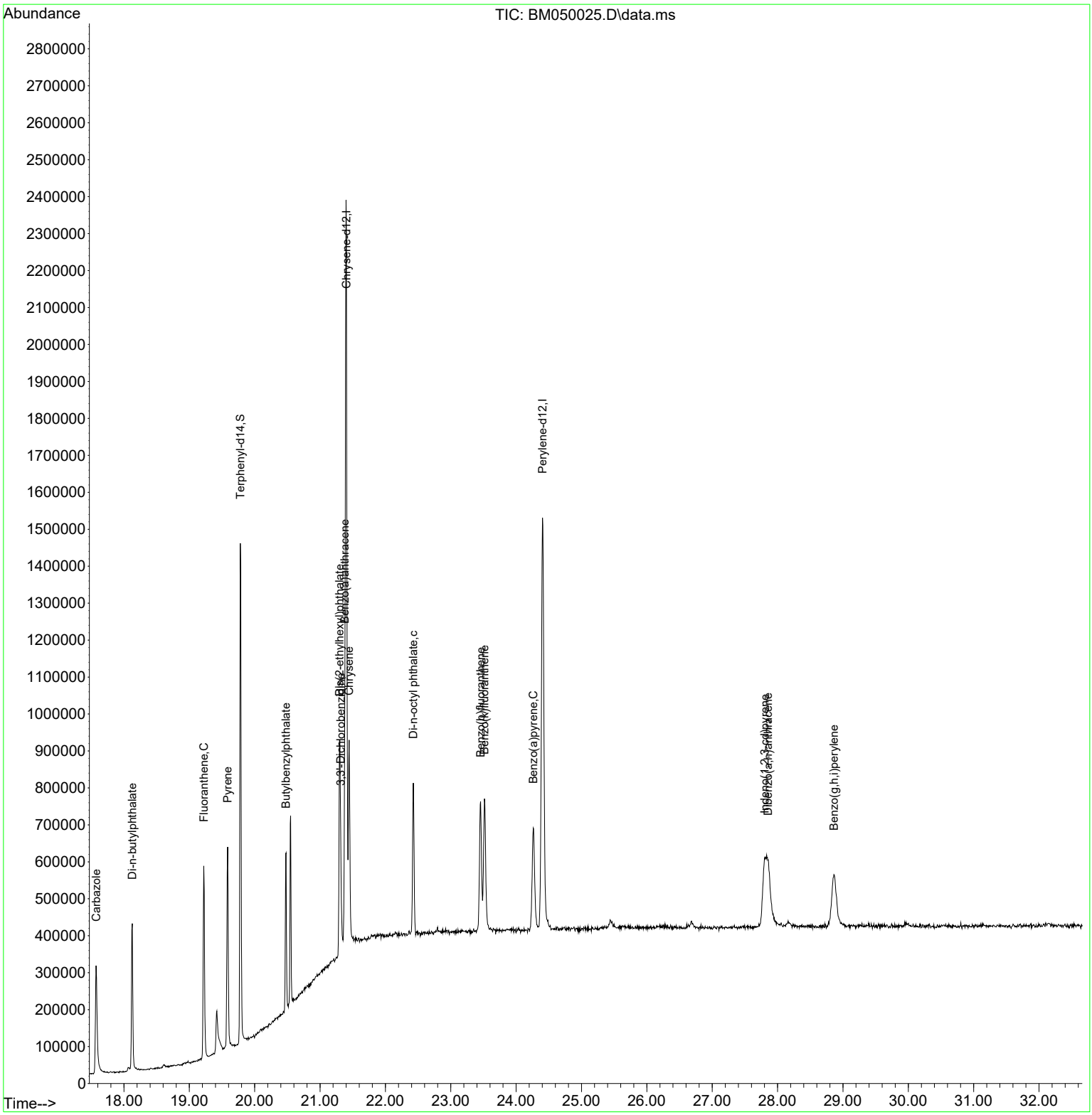
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050025.D
Acq On : 28 Apr 2025 13:09
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

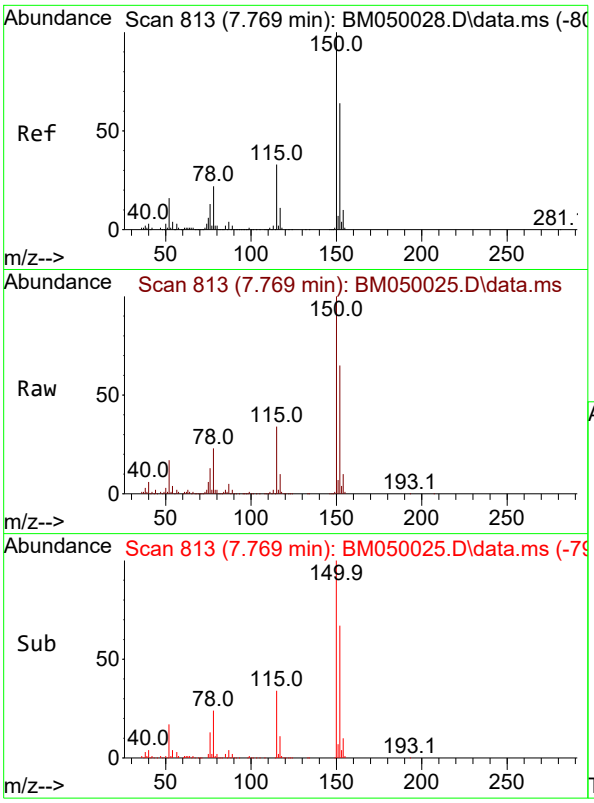
Quant Time: Apr 28 17:53:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

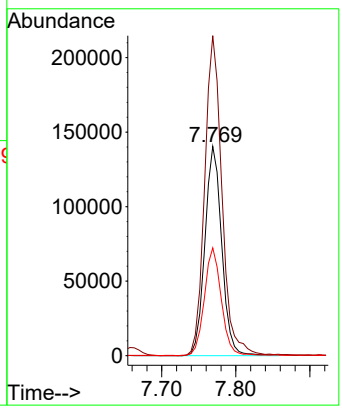




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:152 Resp: 22242

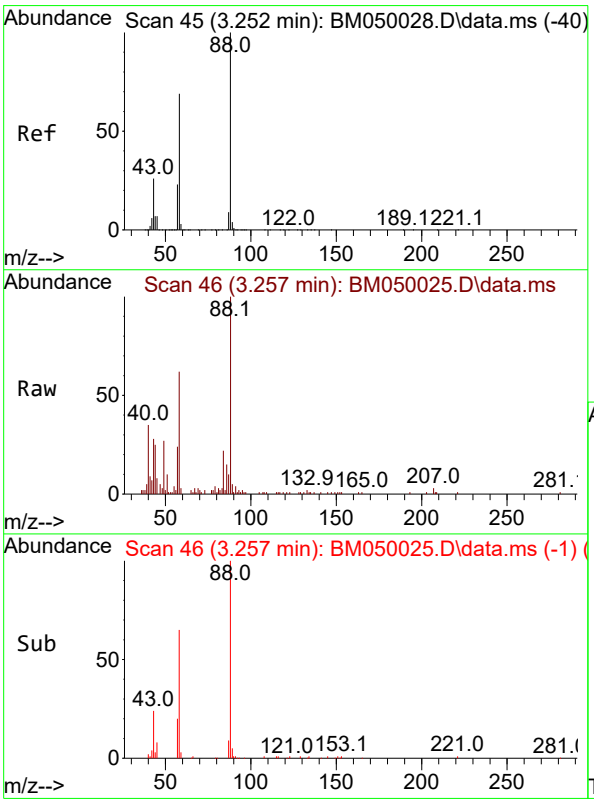
Ion	Ratio	Lower	Upper
152	100		
150	152.9	124.1	186.1
115	51.5	41.2	61.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

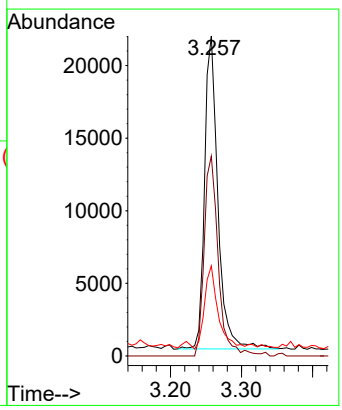
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

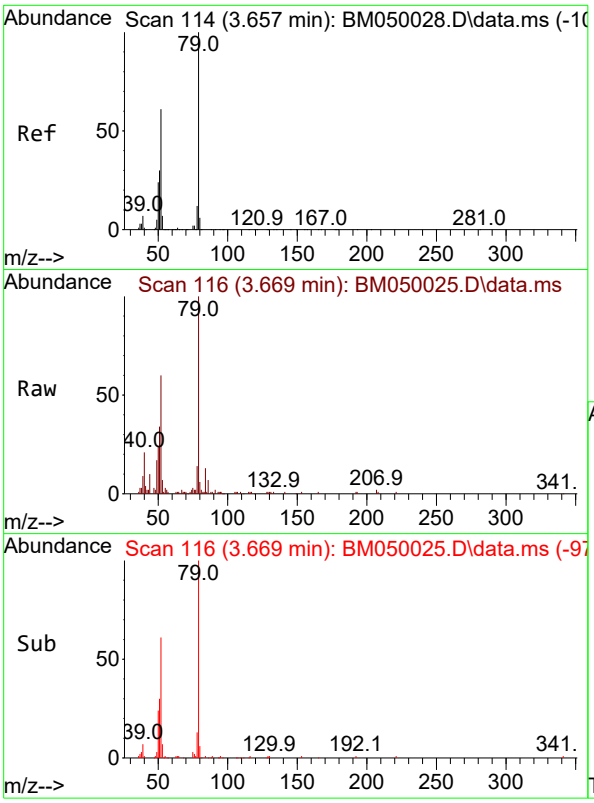


#2
1,4-Dioxane
Concen: 5.171 ng
RT: 3.257 min Scan# 46
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion: 88 Resp: 28163

Ion	Ratio	Lower	Upper
88	100		
58	67.8	55.1	82.7
43	27.3	20.9	31.3

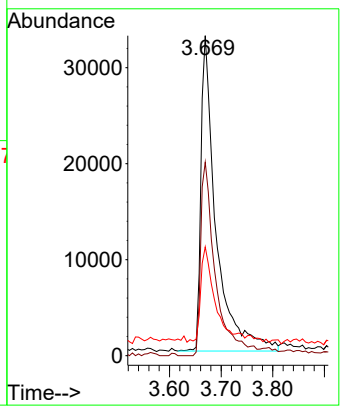




#3
Pyridine
Concen: 4.771 ng
RT: 3.669 min Scan# 1
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion: 79 Resp: 6676

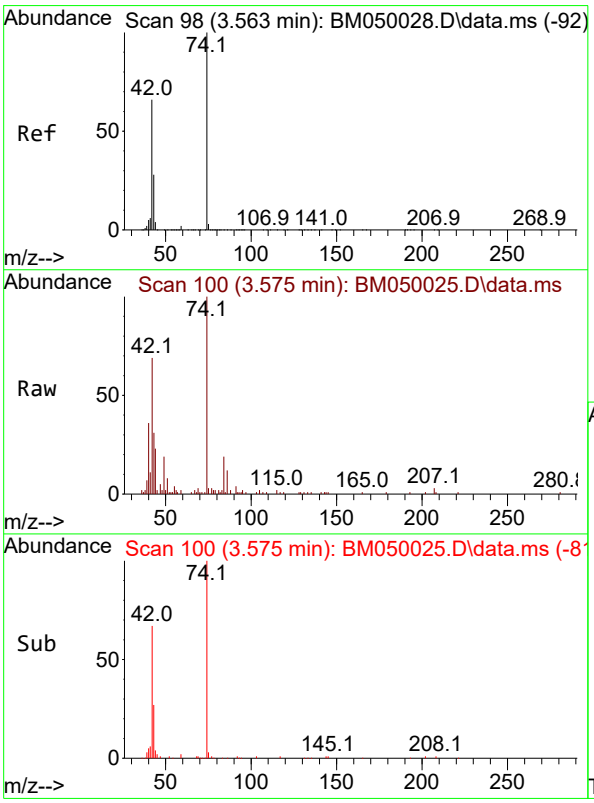
Ion	Ratio	Lower	Upper
79	100		
52	60.5	48.6	72.8
51	34.0	24.6	37.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

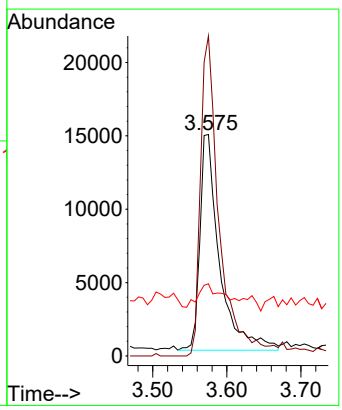
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

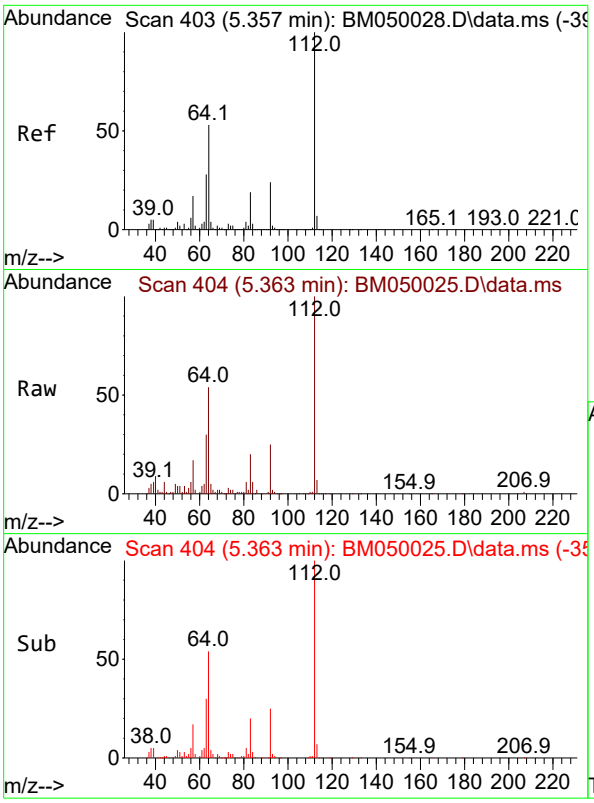


#4
n-Nitrosodimethylamine
Concen: 4.930 ng
RT: 3.575 min Scan# 100
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion: 42 Resp: 27060

Ion	Ratio	Lower	Upper
42	100		
74	144.5	120.2	180.2
44	32.5	6.2	9.2#

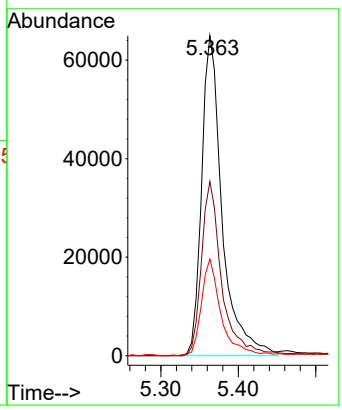




#5
2-Fluorophenol
Concen: 9.406 ng
RT: 5.363 min Scan# 4
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:112 Resp: 11947

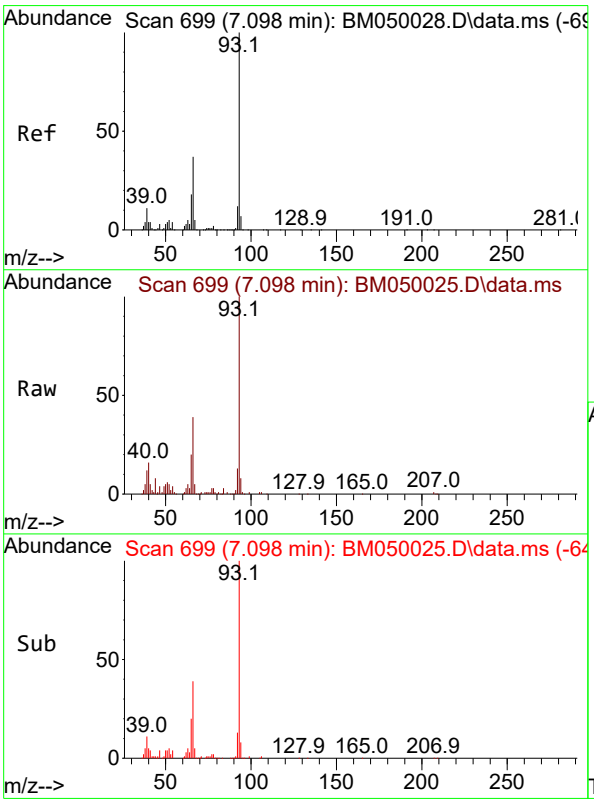
Ion	Ratio	Lower	Upper
112	100		
64	54.4	42.6	64.0
63	30.2	22.2	33.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

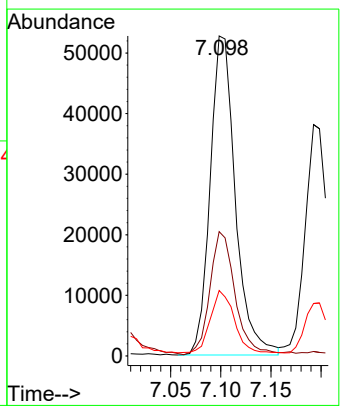
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

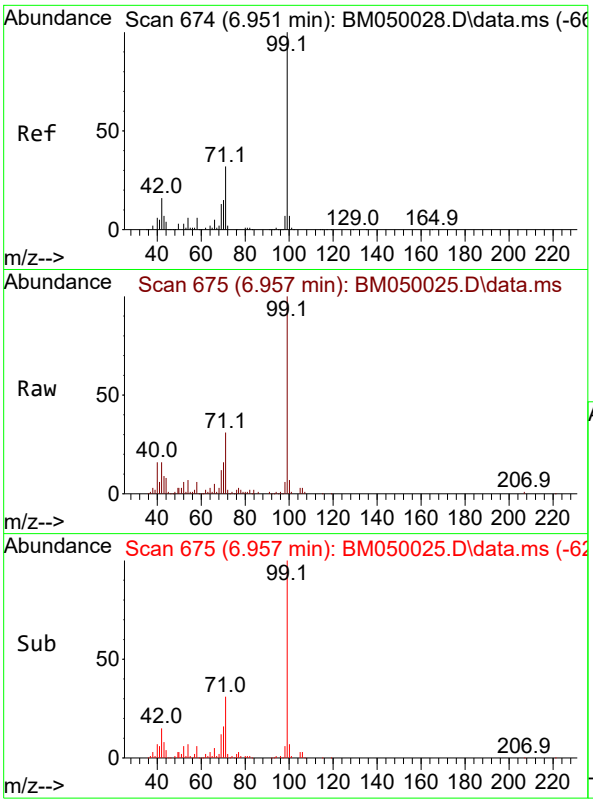


#6
Aniline
Concen: 4.570 ng
RT: 7.098 min Scan# 699
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion: 93 Resp: 92126

Ion	Ratio	Lower	Upper
93	100		
66	38.9	29.9	44.9
65	20.5	14.5	21.7

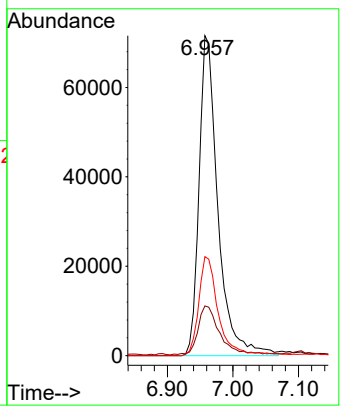




#7
Phenol-d6
Concen: 8.985 ng
RT: 6.957 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion: 99 Resp: 14345

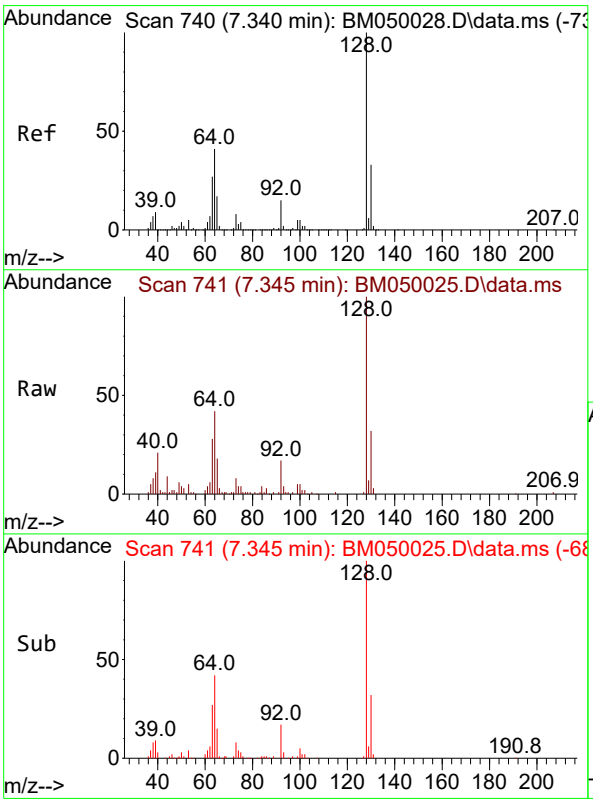
Ion	Ratio	Lower	Upper
99	100		
42	15.6	13.0	19.4
71	30.9	25.6	38.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

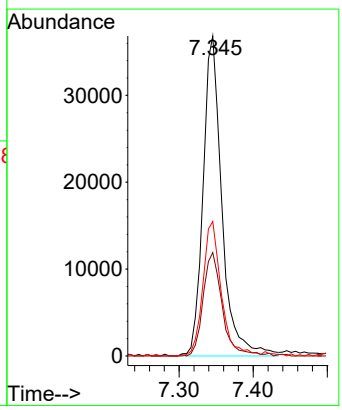
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

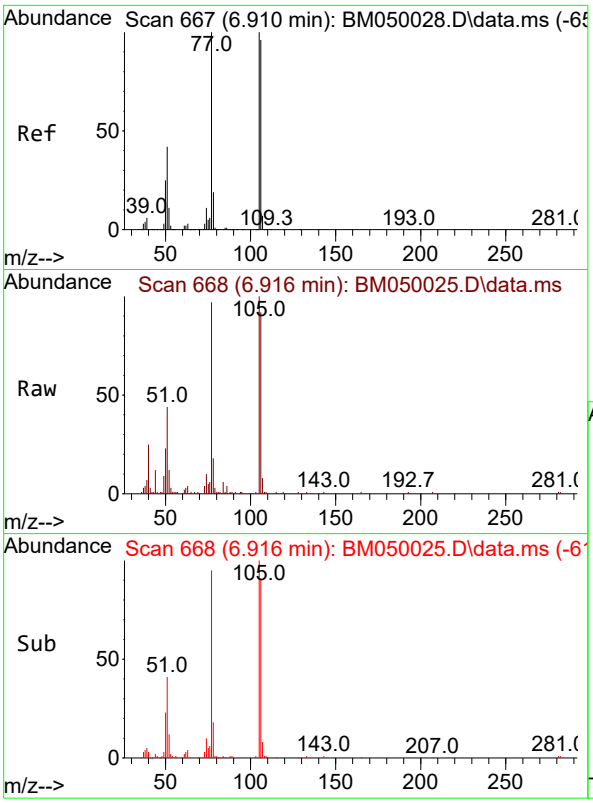


#8
2-Chlorophenol
Concen: 4.733 ng
RT: 7.345 min Scan# 741
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:128 Resp: 64999

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.8	52.8
64	42.0	21.2	61.2

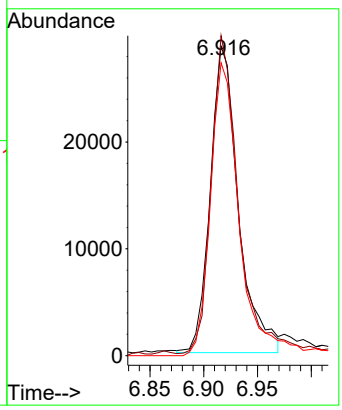




#9
Benzaldehyde
Concen: 4.900 ng m
RT: 6.916 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion: 77 Resp: 5228

Ion	Ratio	Lower	Upper
77	100		
105	103.4	80.5	120.5
106	94.6	76.1	116.1



Instrument :
BNA_M
ClientSampleId :
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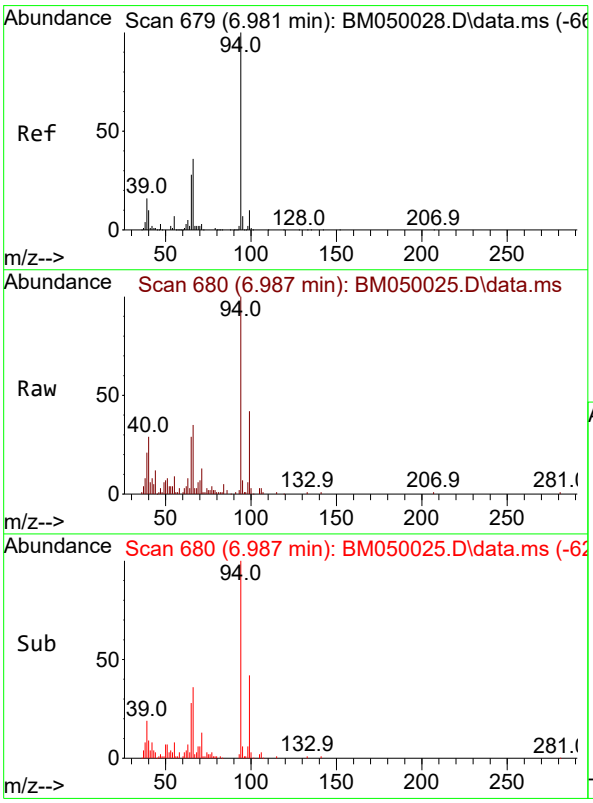
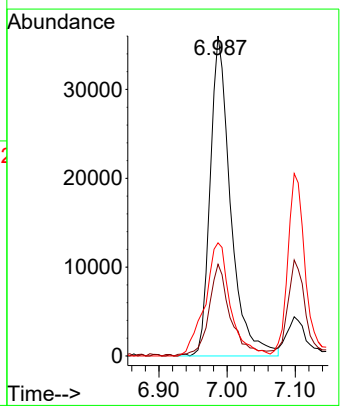
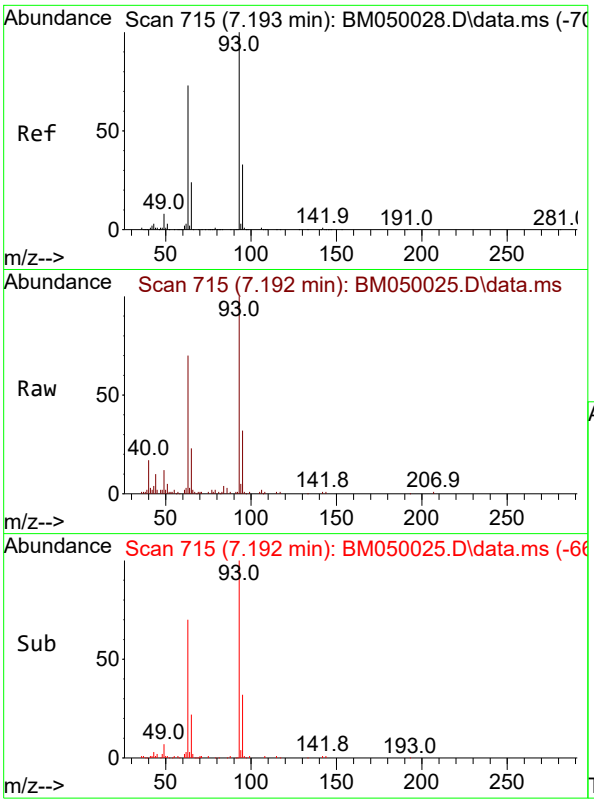


#10
Phenol
Concen: 4.641 ng
RT: 6.987 min Scan# 680
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion: 94 Resp: 75011

Ion	Ratio	Lower	Upper
94	100		
65	28.6	7.6	47.6
66	35.3	15.8	55.8

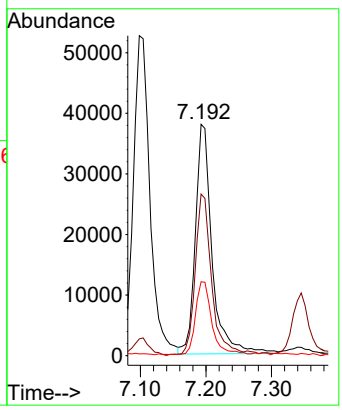




#11
bis(2-Chloroethyl)ether
Concen: 4.998 ng
RT: 7.192 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion: 93 Resp: 6744

Ion	Ratio	Lower	Upper
93	100		
63	69.8	52.3	92.3
95	32.0	12.8	52.8



Instrument :
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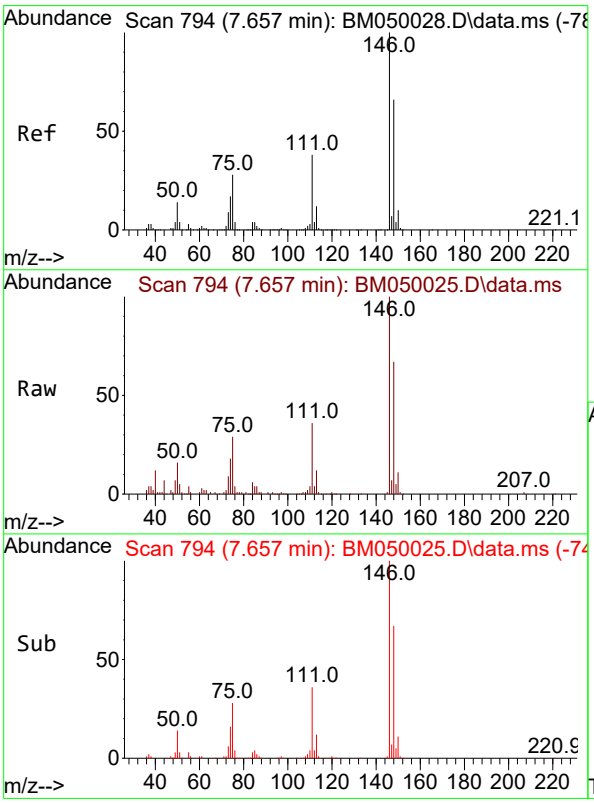
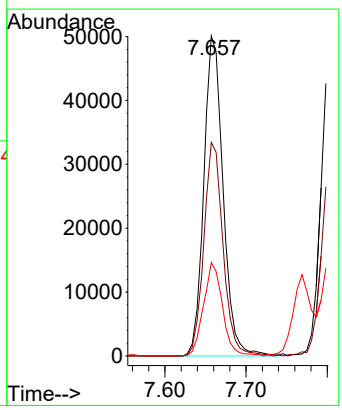
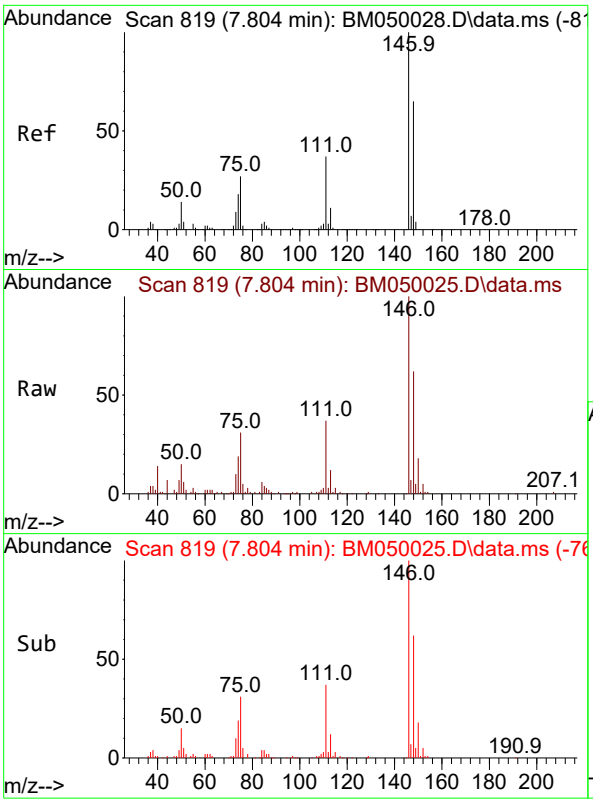


#12
1,3-Dichlorobenzene
Concen: 4.971 ng
RT: 7.657 min Scan# 794
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:146 Resp: 82466

Ion	Ratio	Lower	Upper
146	100		
148	66.8	52.5	78.7
75	29.2	22.6	34.0

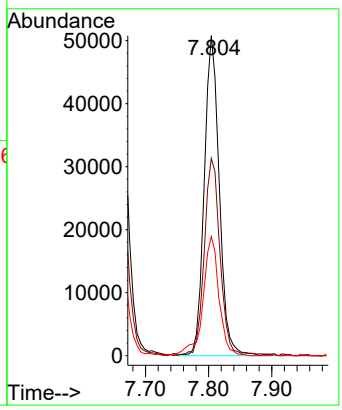




#13
1,4-Dichlorobenzene
Concen: 5.064 ng
RT: 7.804 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:146 Resp: 8440

Ion	Ratio	Lower	Upper
146	100		
148	61.6	52.2	78.2
111	37.2	29.3	43.9



Instrument :
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ClientSampleId :
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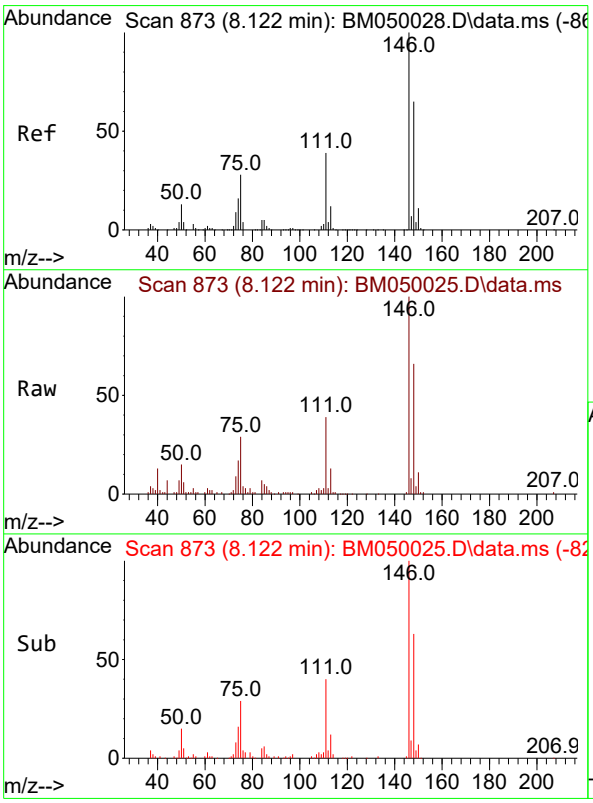
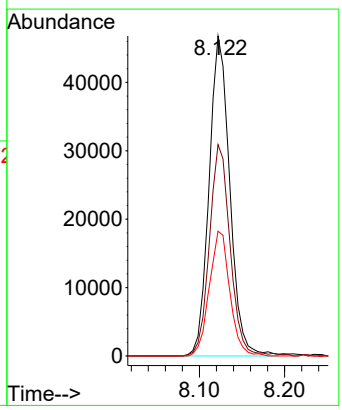
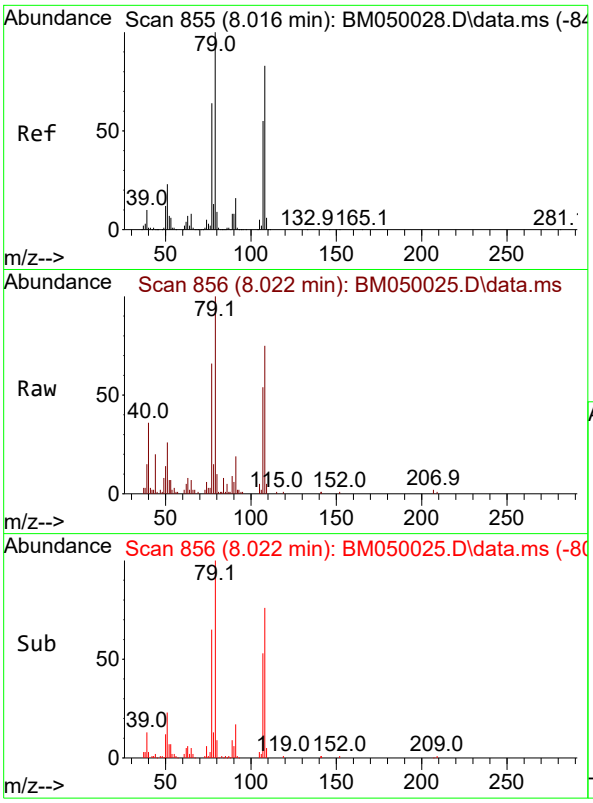


#14
1,2-Dichlorobenzene
Concen: 4.905 ng
RT: 8.122 min Scan# 873
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:146 Resp: 78966

Ion	Ratio	Lower	Upper
146	100		
148	66.0	52.4	78.6
111	39.0	31.0	46.6

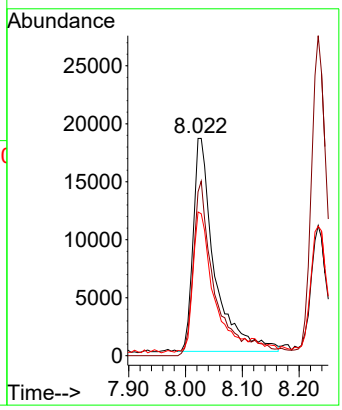




#15
Benzyl Alcohol
Concen: 4.352 ng
RT: 8.022 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion: 79 Resp: 4818

Ion	Ratio	Lower	Upper
79	100		
108	75.4	66.0	99.0
77	66.1	51.6	77.4



Instrument :
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ClientSampleId :
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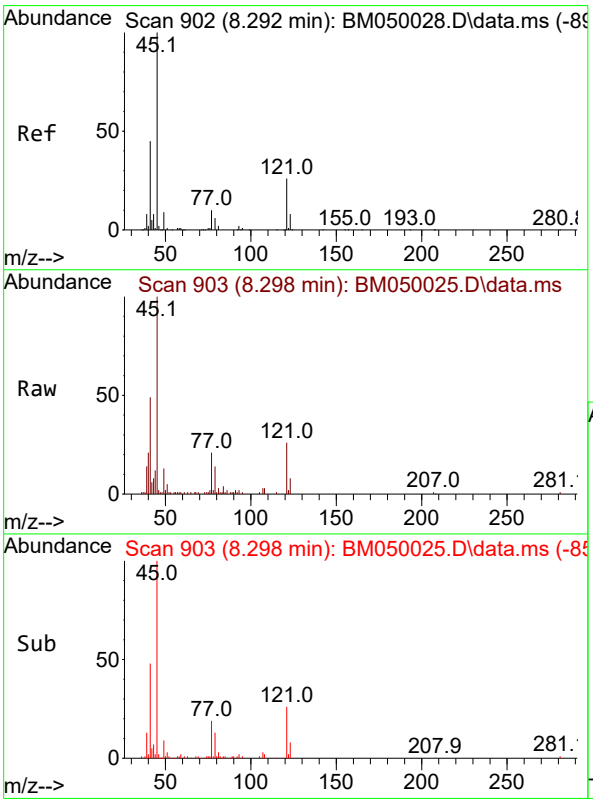
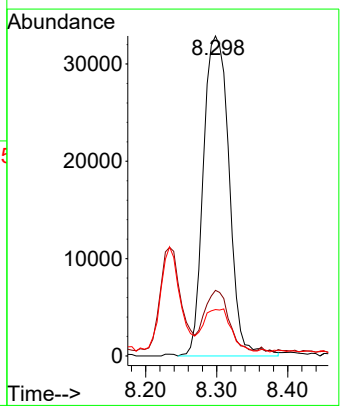
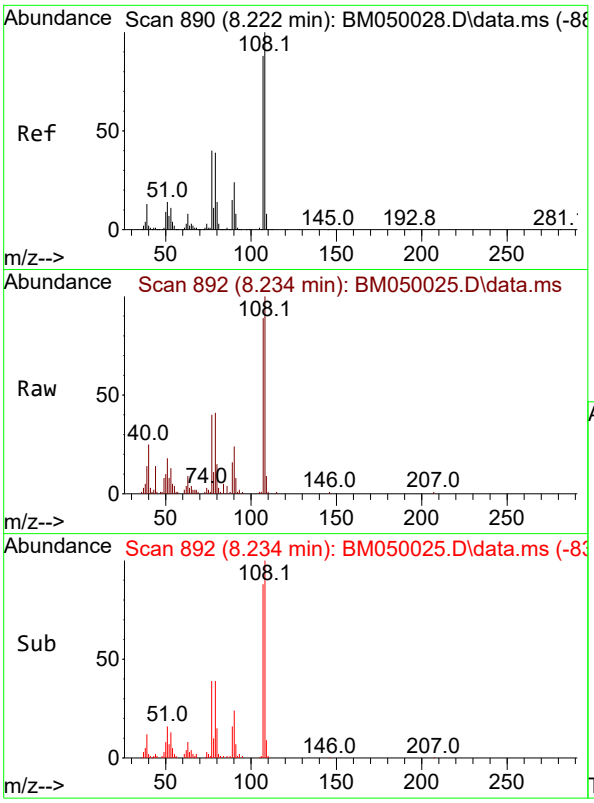


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.042 ng
RT: 8.298 min Scan# 903
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion: 45 Resp: 82711

Ion	Ratio	Lower	Upper
45	100		
77	20.5	0.0	36.4
79	14.5	0.0	32.7

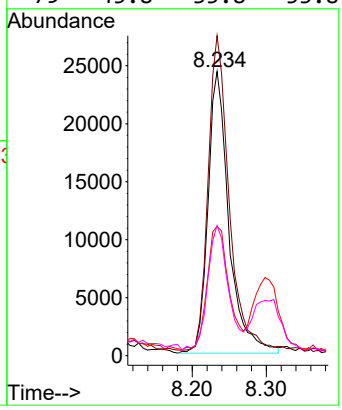




#17
2-Methylphenol
Concen: 4.474 ng
RT: 8.234 min Scan# 8
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:107 Resp: 4763

Ion	Ratio	Lower	Upper
107	100		
108	112.6	91.1	136.7
77	45.6	36.2	54.4
79	45.8	35.8	53.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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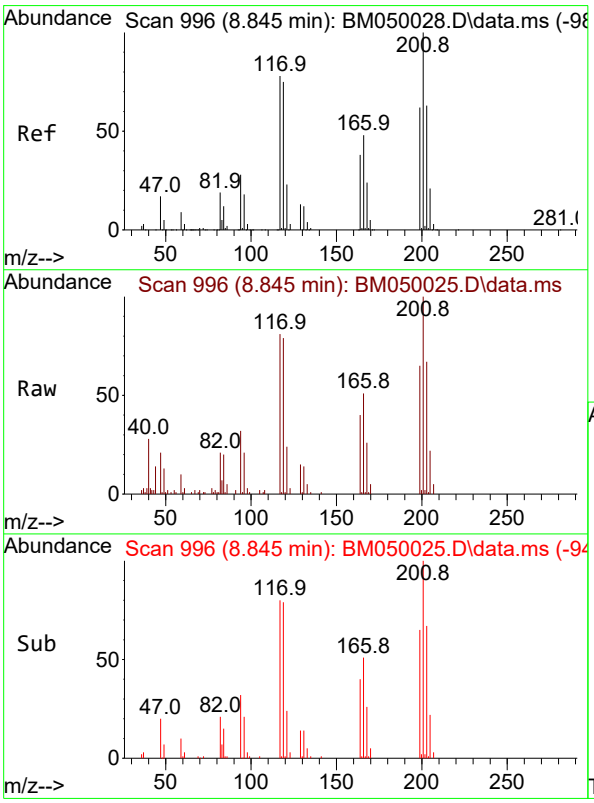
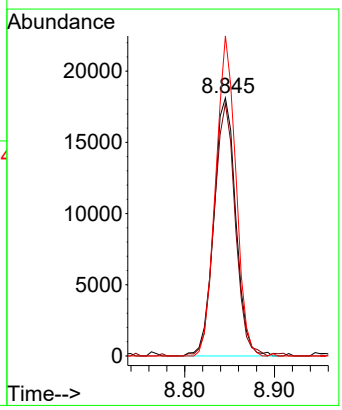
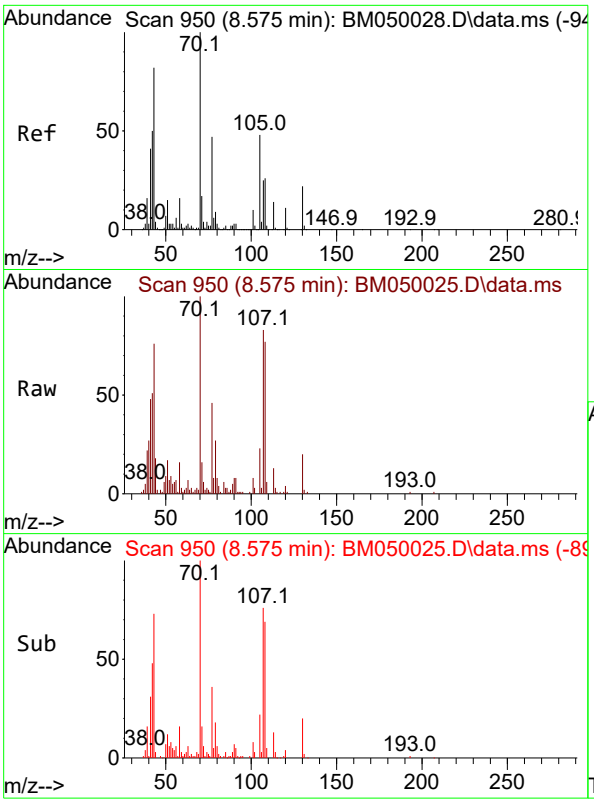


#18
Hexachloroethane
Concen: 5.185 ng
RT: 8.845 min Scan# 996
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:117 Resp: 30717

Ion	Ratio	Lower	Upper
117	100		
119	97.9	77.3	115.9
201	124.0	102.8	154.2

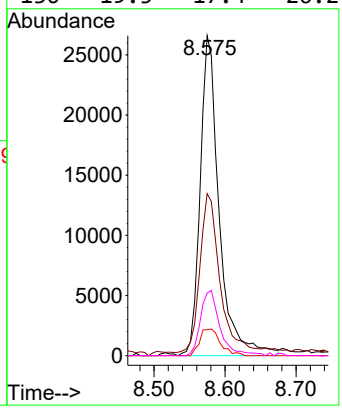




#19
n-Nitroso-di-n-propylamine
Concen: 4.830 ng
RT: 8.575 min Scan# 9
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion: 70 Resp: 4945

Ion	Ratio	Lower	Upper
70	100		
42	50.7	40.5	60.7
101	8.2	7.8	11.6
130	19.5	17.4	26.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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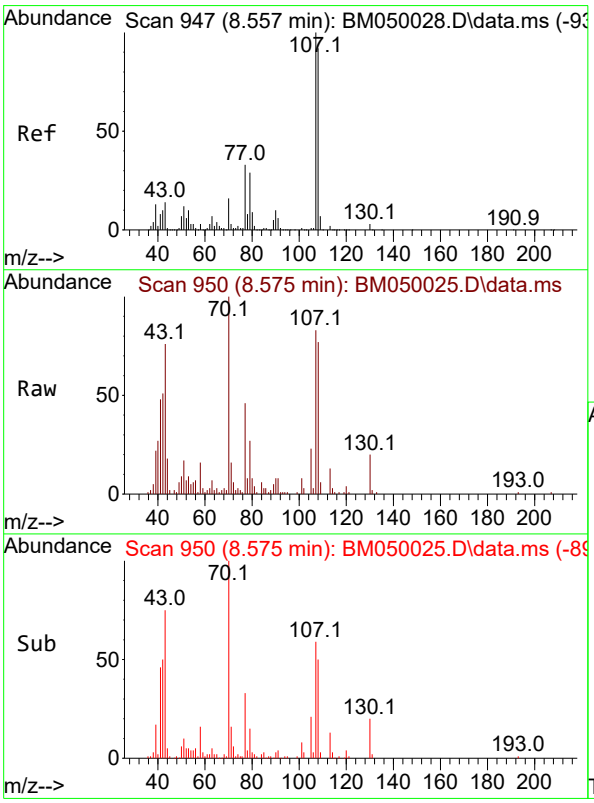
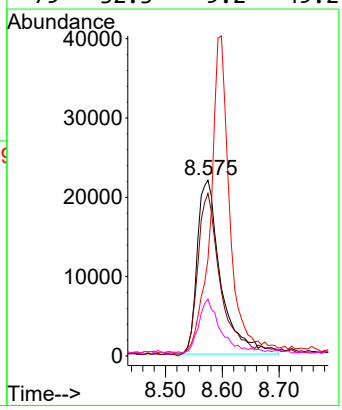
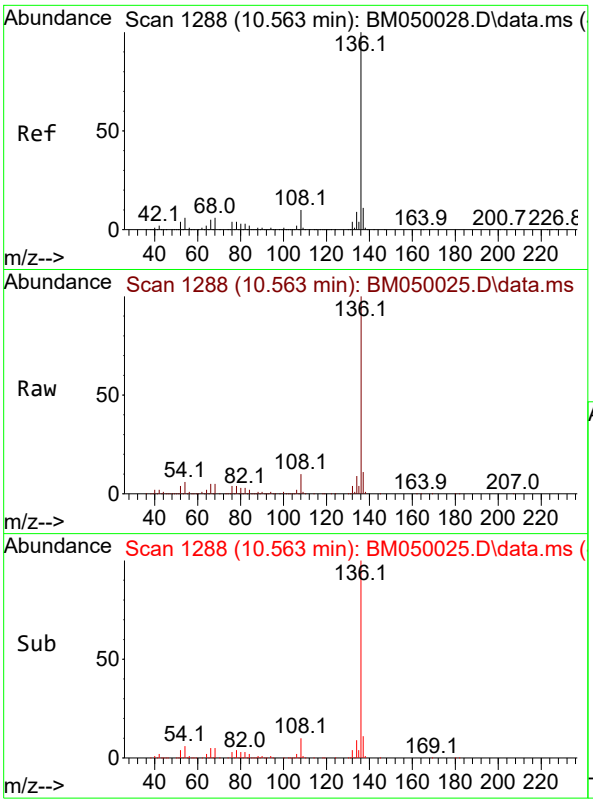


#20
3+4-Methylphenols
Concen: 4.397 ng
RT: 8.575 min Scan# 950
Delta R.T. 0.018 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:107 Resp: 63223

Ion	Ratio	Lower	Upper
107	100		
108	92.4	72.4	112.4
77	55.1	13.6	53.6#
79	32.3	9.2	49.2

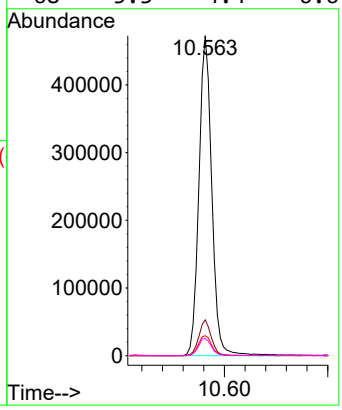




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:136 Resp: 81536

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	6.3	5.1	7.7
68	5.3	4.4	6.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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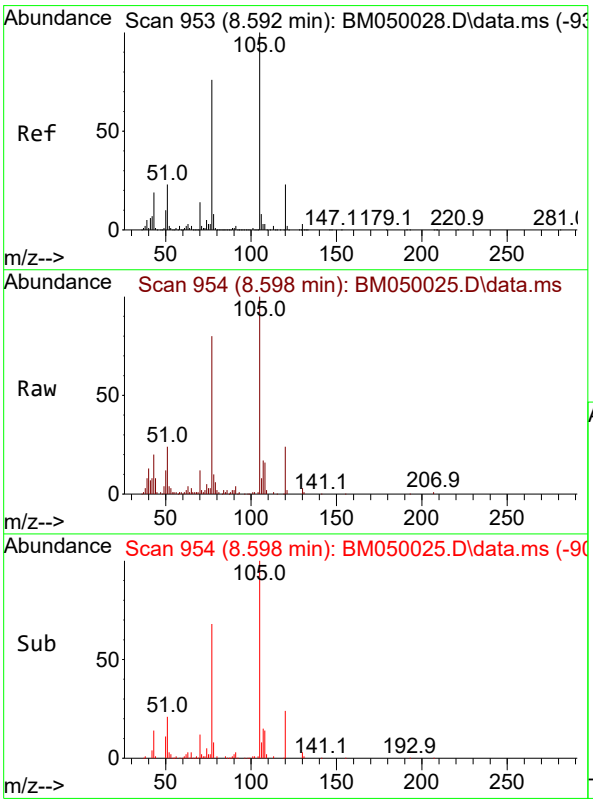
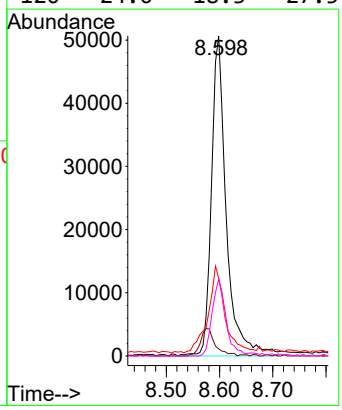
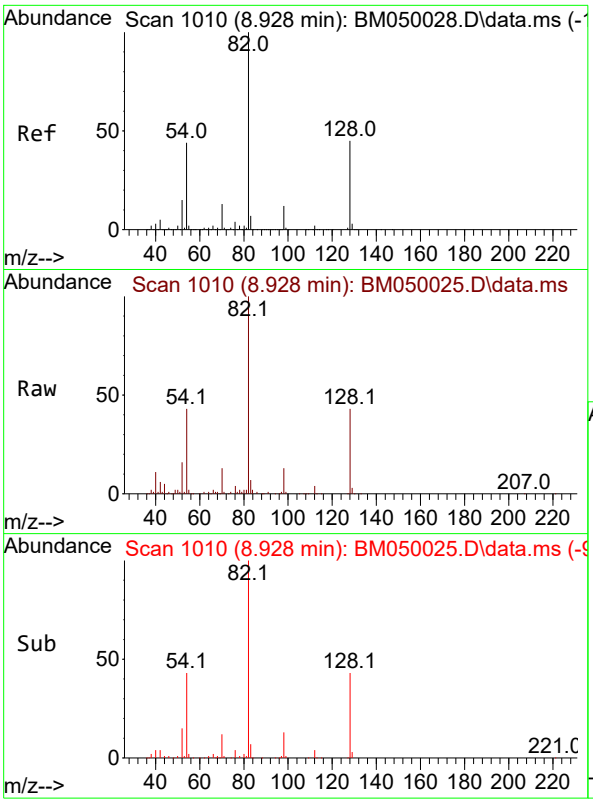


#22
Acetophenone
Concen: 4.852 ng
RT: 8.598 min Scan# 954
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:105 Resp: 98358

Ion	Ratio	Lower	Upper
105	100		
71	2.2	1.7	2.5
51	24.3	18.6	27.8
120	24.0	18.3	27.5

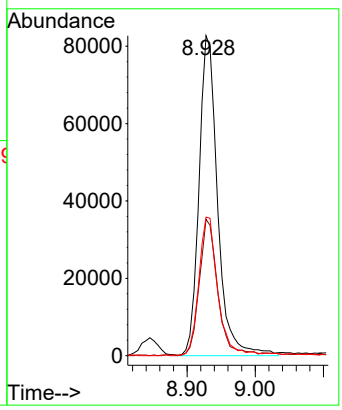




#23
Nitrobenzene-d5
Concen: 9.502 ng
RT: 8.928 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion: 82 Resp: 15722

Ion	Ratio	Lower	Upper
82	100		
128	42.6	35.7	53.5
54	43.3	35.4	53.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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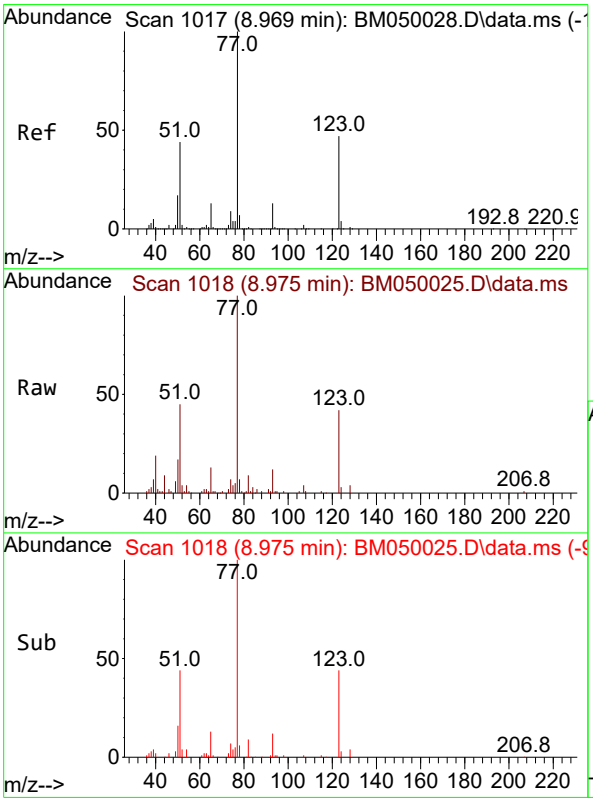
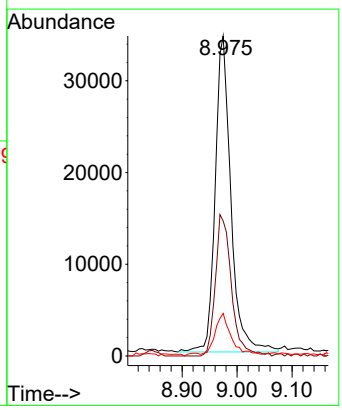
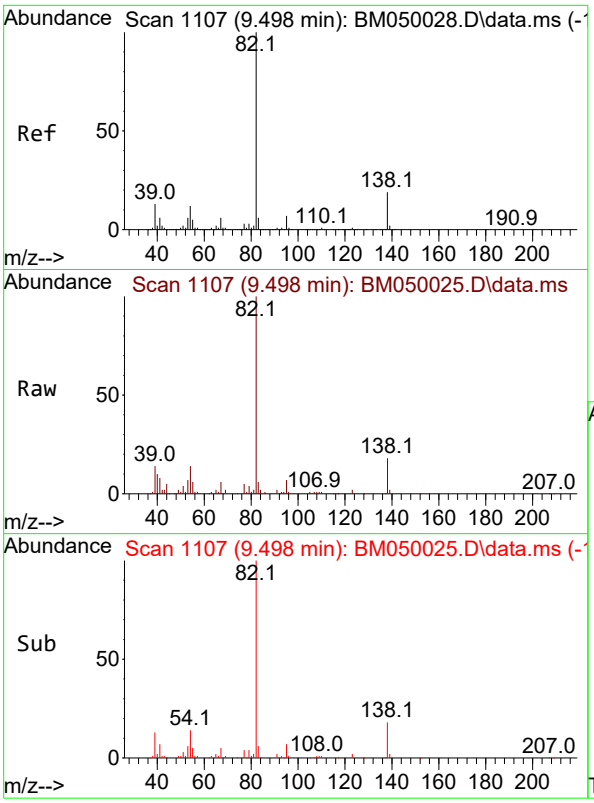


#24
Nitrobenzene
Concen: 4.795 ng
RT: 8.975 min Scan# 1018
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion: 77 Resp: 68598

Ion	Ratio	Lower	Upper
77	100		
123	42.2	37.9	56.9
65	13.3	10.1	15.1





#25
Isophorone
Concen: 4.816 ng
RT: 9.498 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion: 82 Resp: 13582

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.7	8.5
138	18.2	15.5	23.3

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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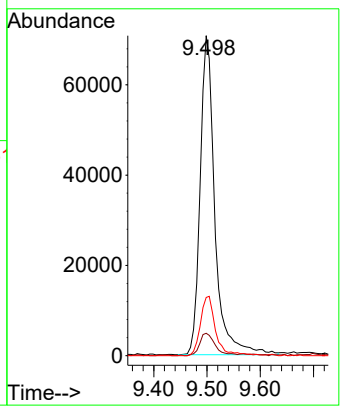
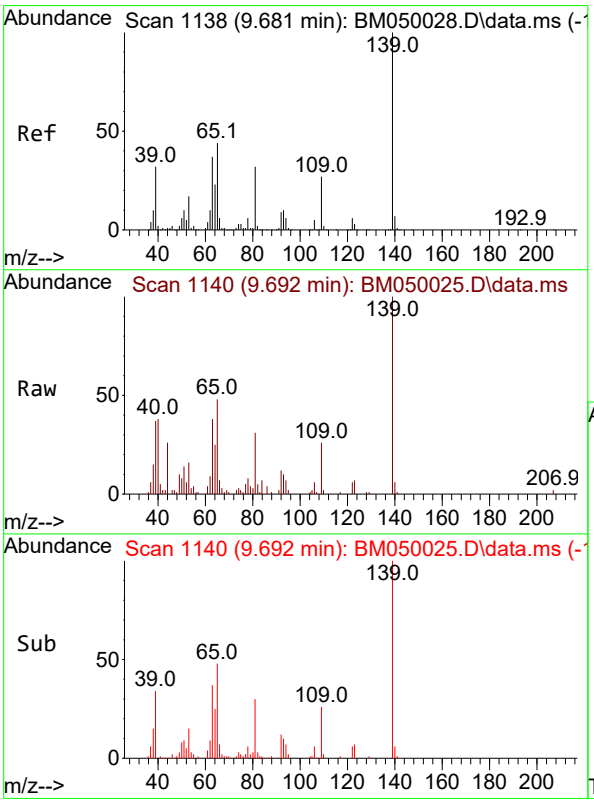
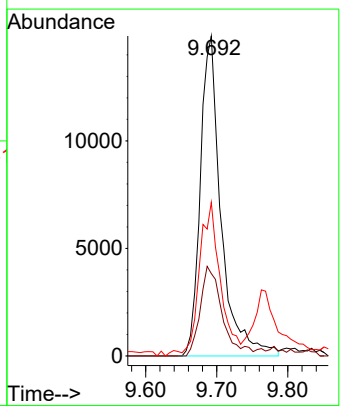


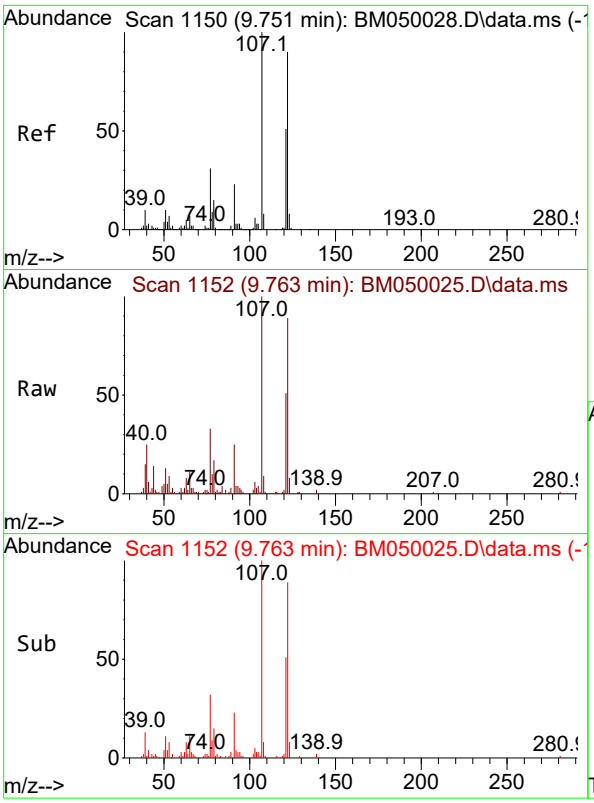


#26
2-Nitrophenol
Concen: 4.140 ng
RT: 9.692 min Scan# 1140
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:139 Resp: 30257

Ion	Ratio	Lower	Upper
139	100		
109	25.8	21.9	32.9
65	48.0	35.4	53.2

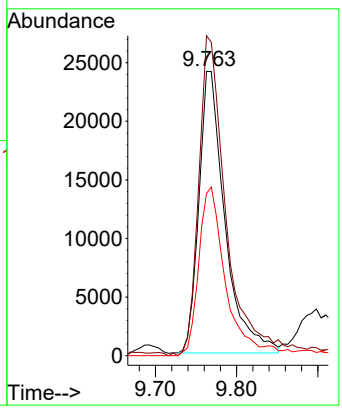




#27
2,4-Dimethylphenol
Concen: 4.427 ng
RT: 9.763 min Scan# 11
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:122 Resp: 5366

Ion	Ratio	Lower	Upper
122	100		
107	112.5	89.0	133.6
121	57.0	45.6	68.4



Instrument :
BNA_M
ClientSampleId :
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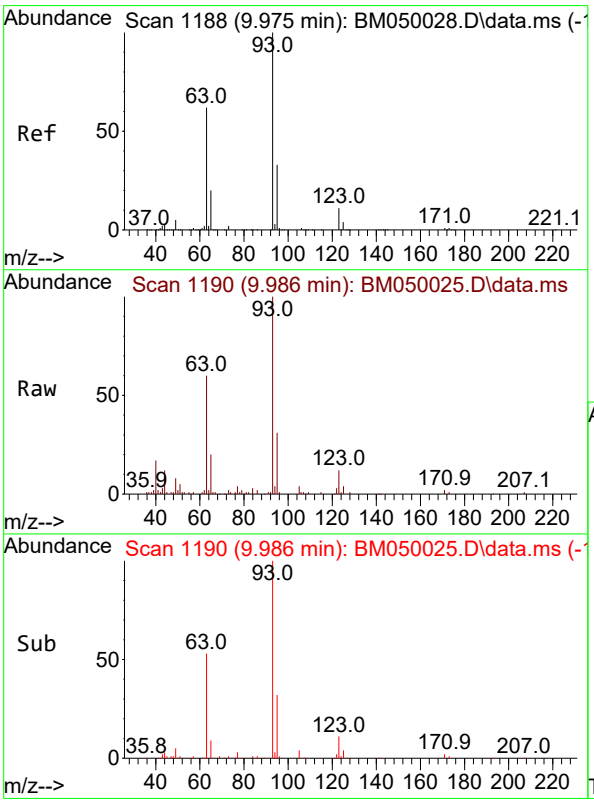
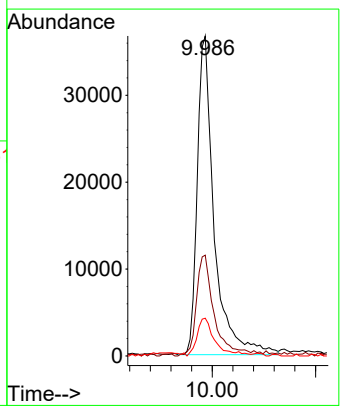
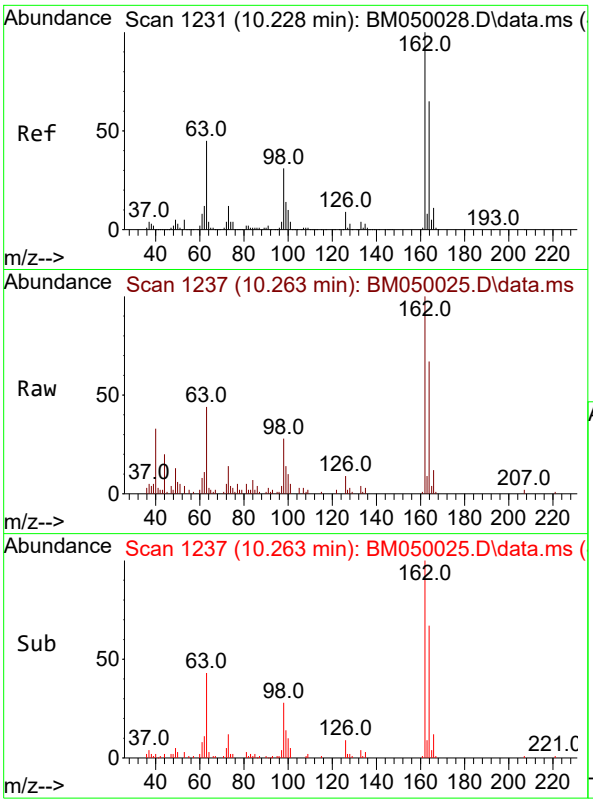


#28
bis(2-Chloroethoxy)methane
Concen: 4.758 ng
RT: 9.986 min Scan# 1190
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion: 93 Resp: 82947

Ion	Ratio	Lower	Upper
93	100		
95	31.5	26.1	39.1
123	11.8	9.5	14.3

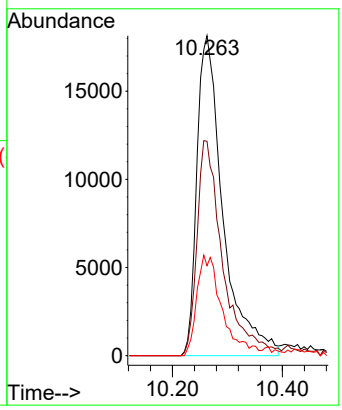




#29
2,4-Dichlorophenol
Concen: 4.406 ng
RT: 10.263 min Scan# 1
Delta R.T. 0.035 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:162 Resp: 5982

Ion	Ratio	Lower	Upper
162	100		
164	67.0	45.4	85.4
98	28.1	11.3	51.3



Instrument :
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ClientSampleId :
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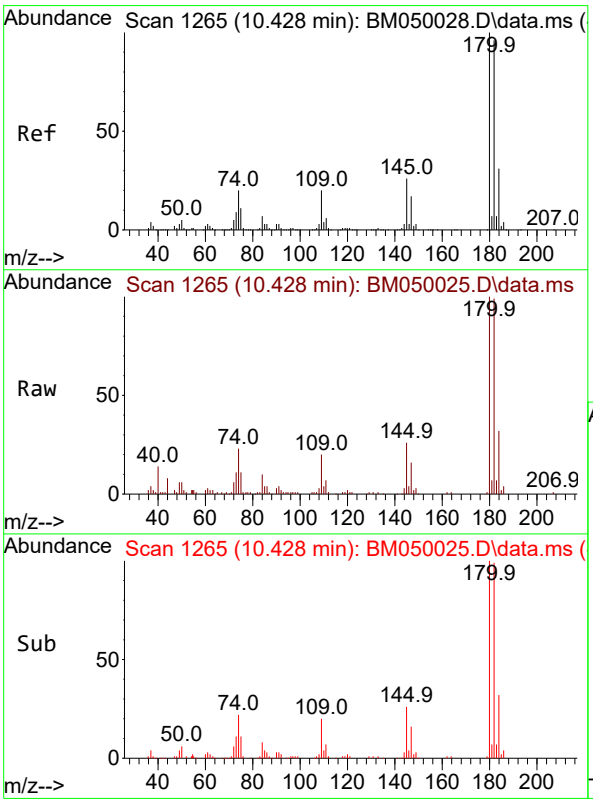
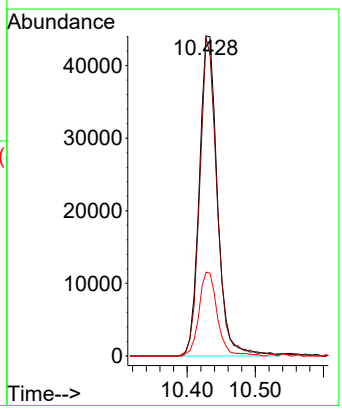
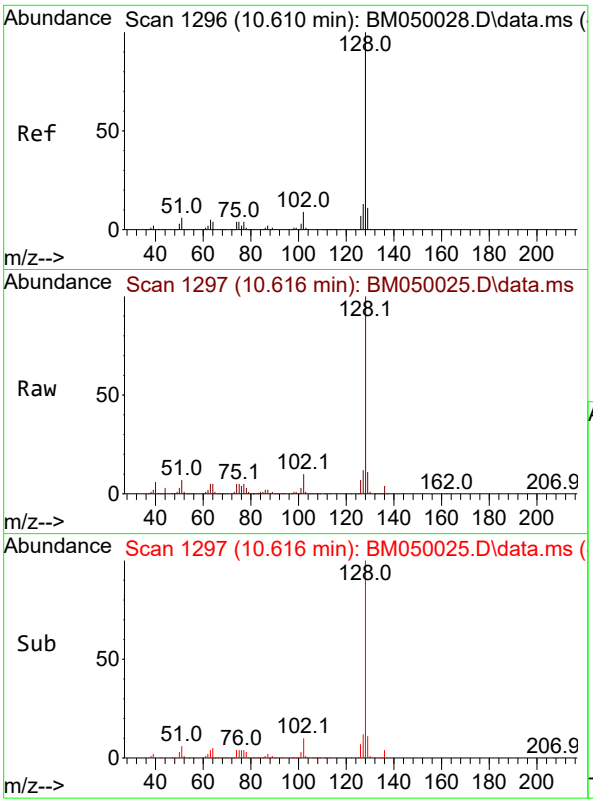


#30
1,2,4-Trichlorobenzene
Concen: 4.934 ng
RT: 10.428 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:180 Resp: 81624

Ion	Ratio	Lower	Upper
180	100		
182	99.4	77.0	115.4
145	26.2	20.6	30.8

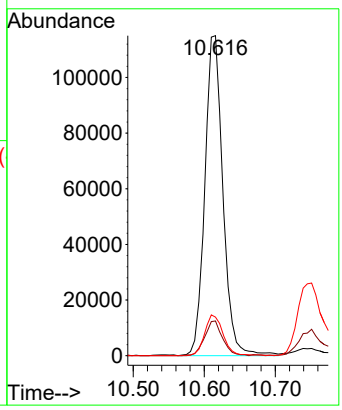




#31
Naphthalene
Concen: 4.944 ng
RT: 10.616 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:128 Resp: 20413

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	12.0	10.4	15.6



Instrument :
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ClientSampleId :
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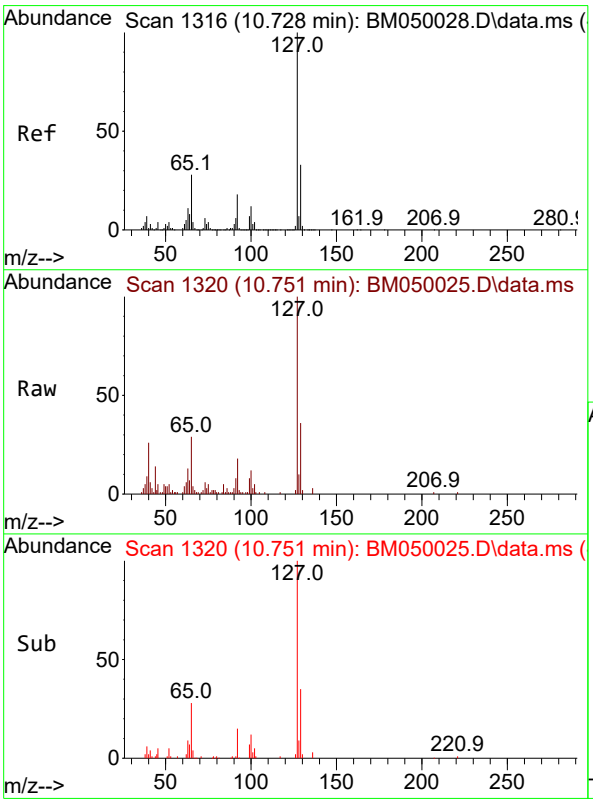
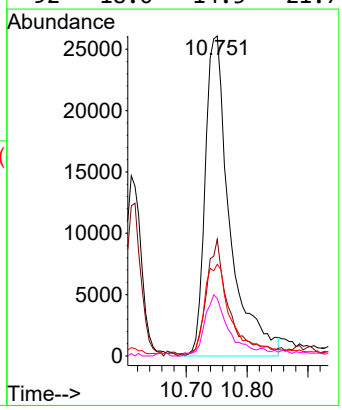
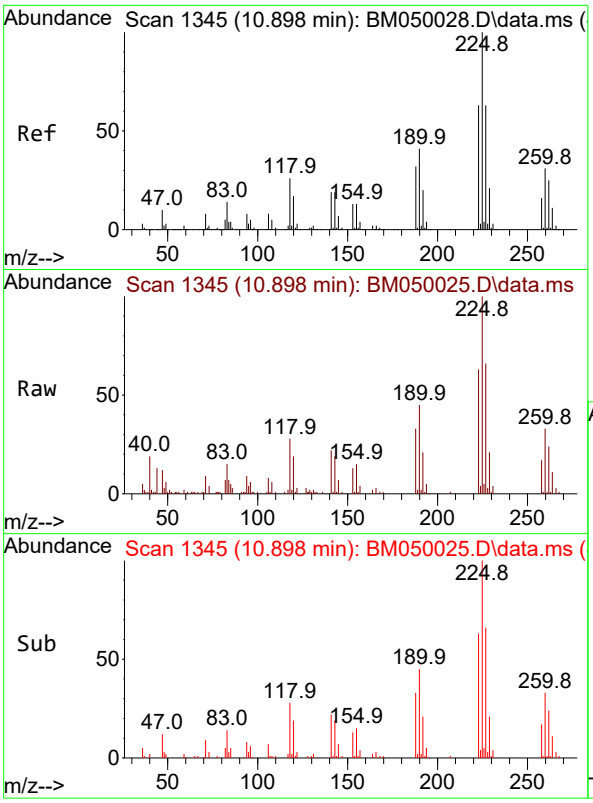


#33
4-Chloroaniline
Concen: 4.345 ng
RT: 10.751 min Scan# 1320
Delta R.T. 0.023 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:127 Resp: 73542

Ion	Ratio	Lower	Upper
127	100		
129	36.4	26.3	39.5
65	28.6	22.5	33.7
92	18.0	14.5	21.7

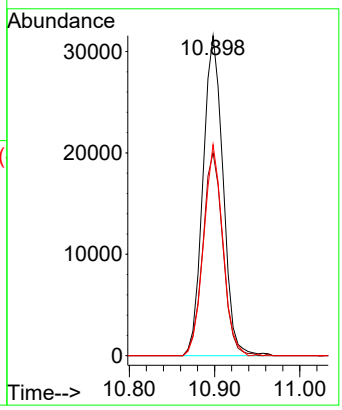




#34
Hexachlorobutadiene
Concen: 4.907 ng
RT: 10.898 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:225 Resp: 5152

Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.2	75.2
227	65.9	50.6	76.0



Instrument :
BNA_M
ClientSampleId :
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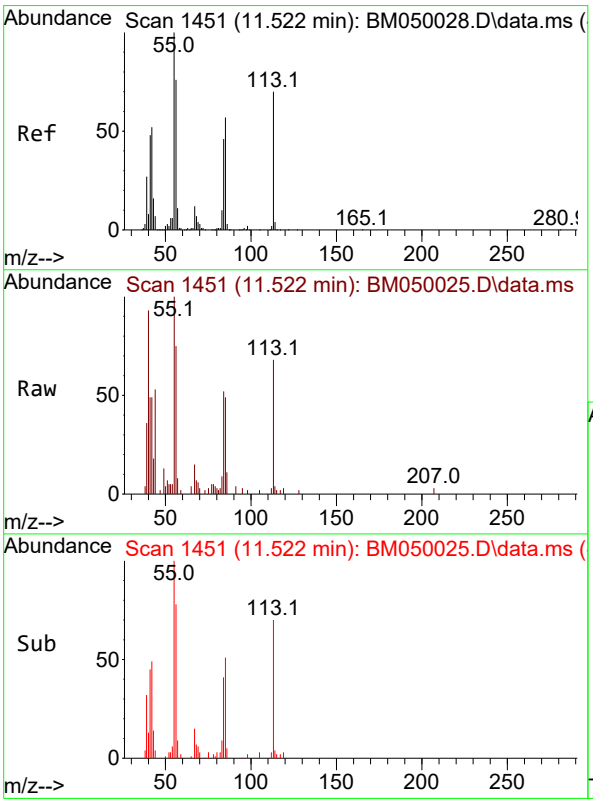
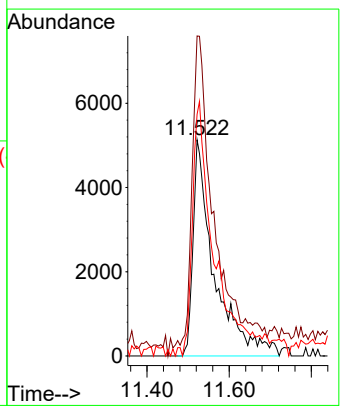
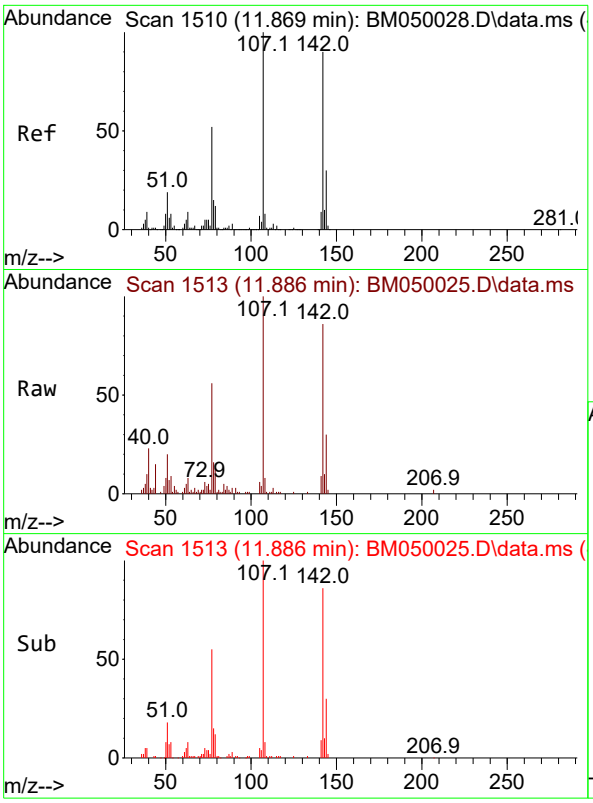


#35
Caprolactam
Concen: 4.634 ng m
RT: 11.522 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:113 Resp: 18349

Ion	Ratio	Lower	Upper
113	100		
55	148.1	122.9	162.9
56	111.8	88.1	128.1

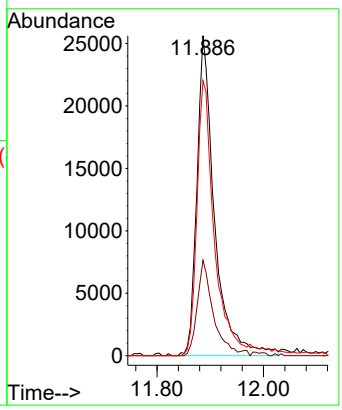




#36
4-Chloro-3-methylphenol
Concen: 4.690 ng
RT: 11.886 min Scan# 1
Delta R.T. 0.018 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:107 Resp: 5884

Ion	Ratio	Lower	Upper
107	100		
144	29.8	23.8	35.6
142	86.0	71.9	107.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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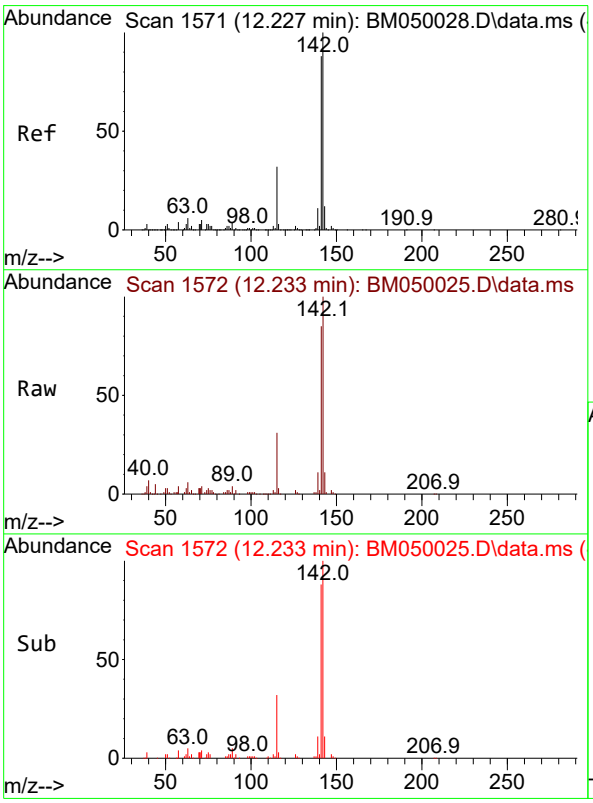
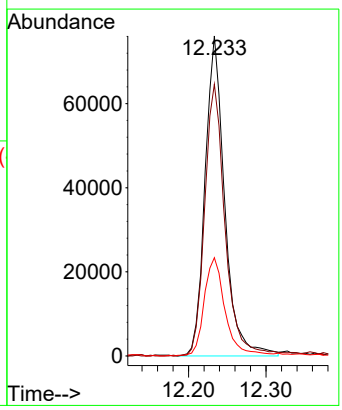
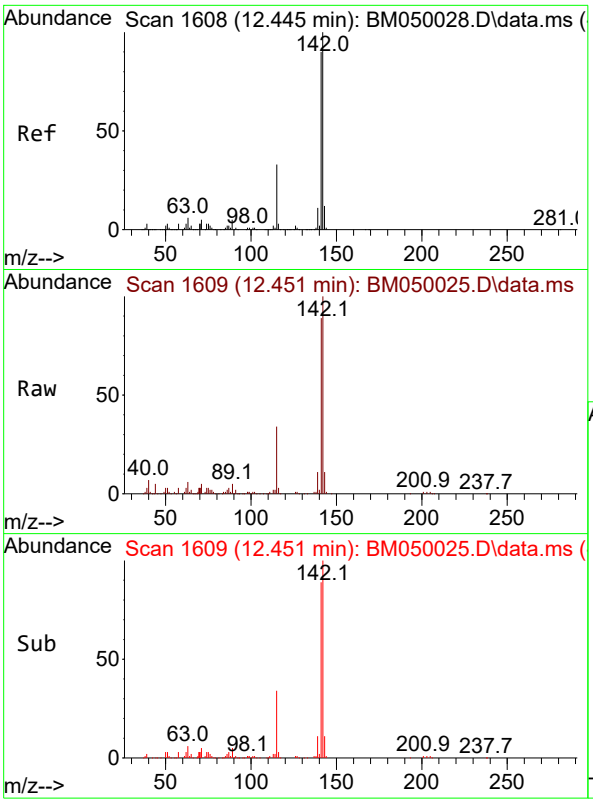


#37
2-Methylnaphthalene
Concen: 4.829 ng
RT: 12.233 min Scan# 1572
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:142 Resp: 133679

Ion	Ratio	Lower	Upper
142	100		
141	84.9	70.4	105.6
115	30.7	25.4	38.2

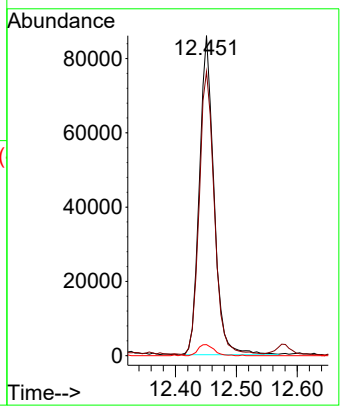




#38
1-Methylnaphthalene
Concen: 4.892 ng
RT: 12.451 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:142 Resp: 14333

Ion	Ratio	Lower	Upper
142	100		
141	88.7	72.1	108.1
116	3.5	2.7	4.1



Instrument :
BNA_M
ClientSampleId :
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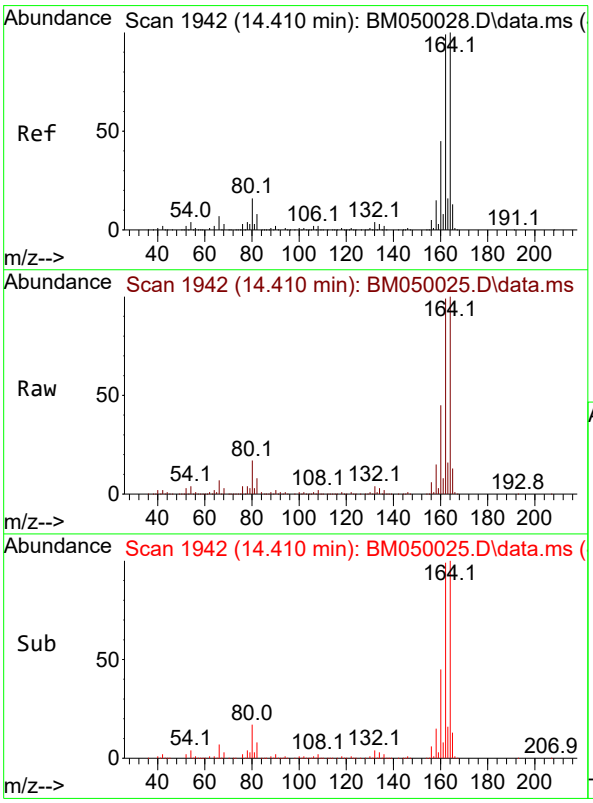
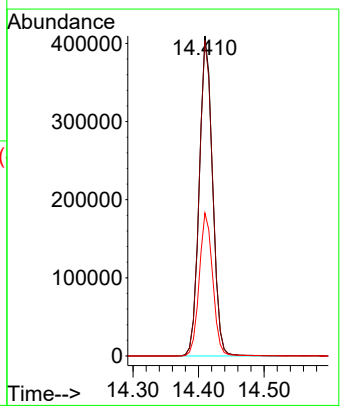
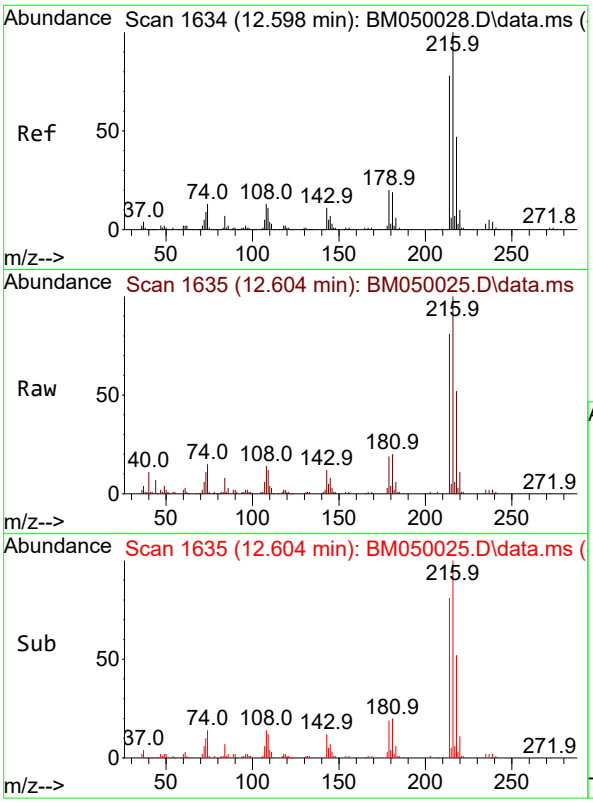


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:164 Resp: 578294

Ion	Ratio	Lower	Upper
164	100		
162	98.6	79.4	119.0
160	44.6	36.2	54.4

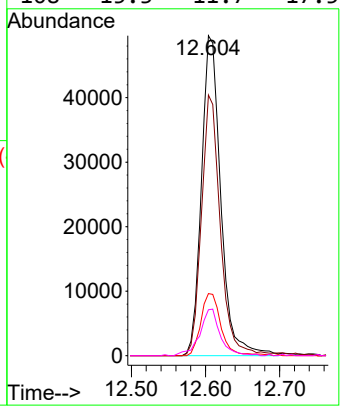




#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.504 ng
RT: 12.604 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:216 Resp: 9016

Ion	Ratio	Lower	Upper
216	100		
214	79.1	62.3	93.5
179	20.2	15.4	23.0
108	15.3	11.7	17.5



Instrument :
BNA_M
ClientSampleId :
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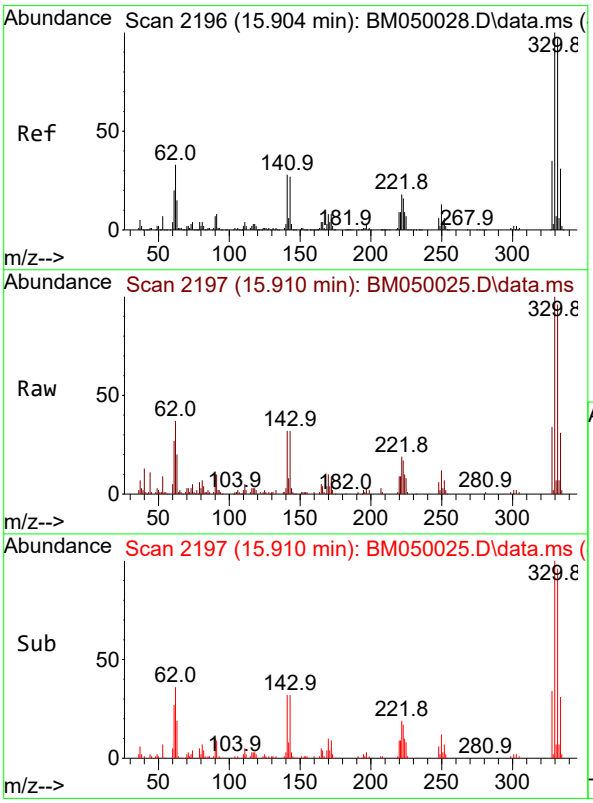
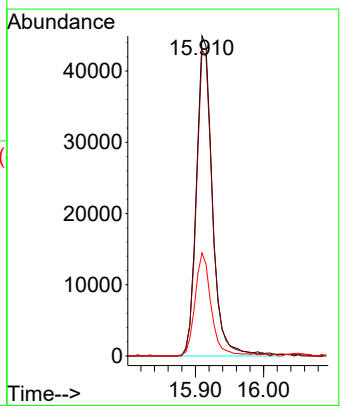
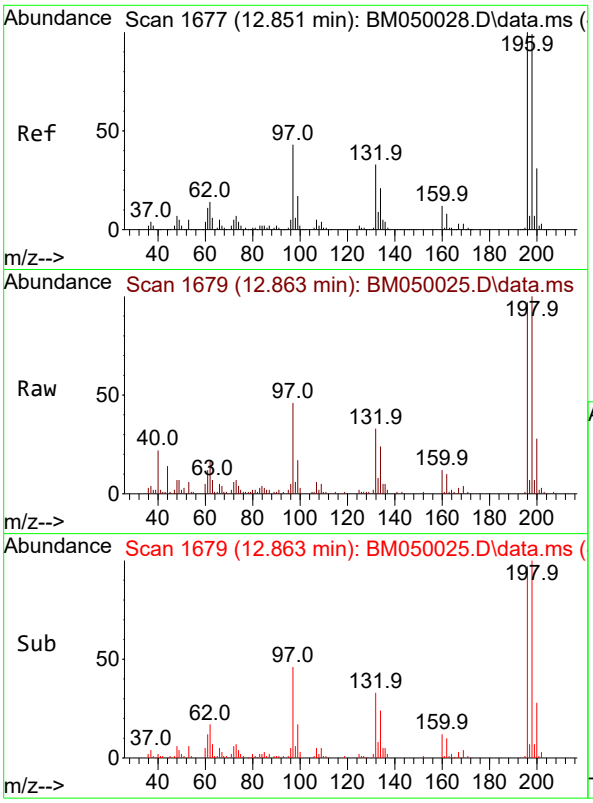


#42
2,4,6-Tribromophenol
Concen: 8.560 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:330 Resp: 73192

Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.3	115.9
141	32.6	22.5	33.7

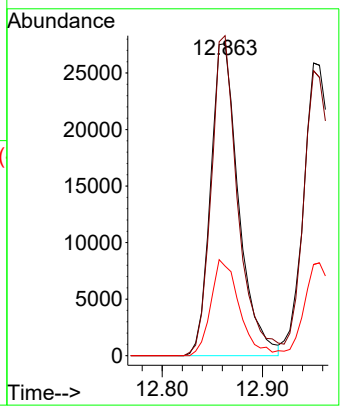




#43
2,4,6-Trichlorophenol
Concen: 4.233 ng
RT: 12.863 min Scan# 1
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:196 Resp: 5374

Ion	Ratio	Lower	Upper
196	100		
198	102.6	79.0	118.6
200	28.7	25.1	37.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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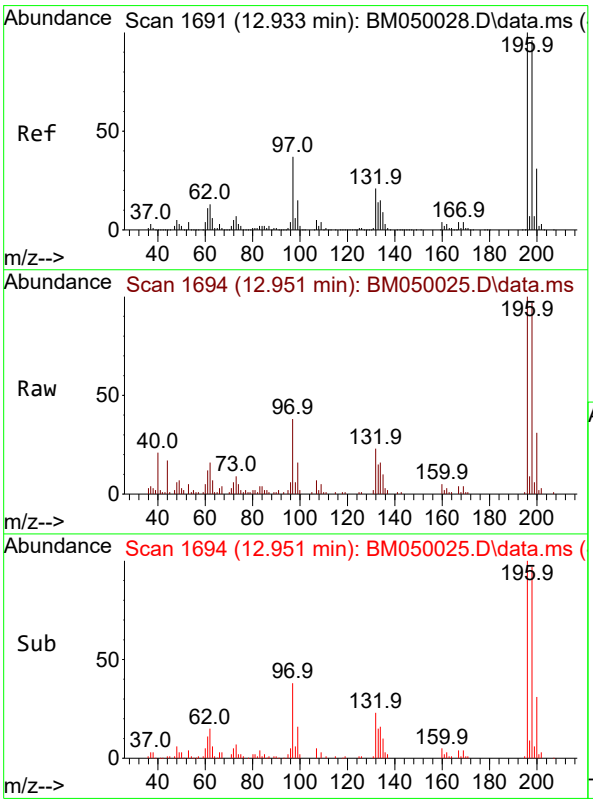
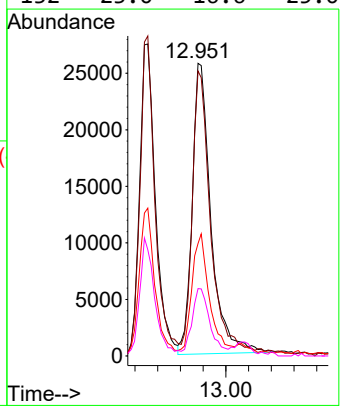
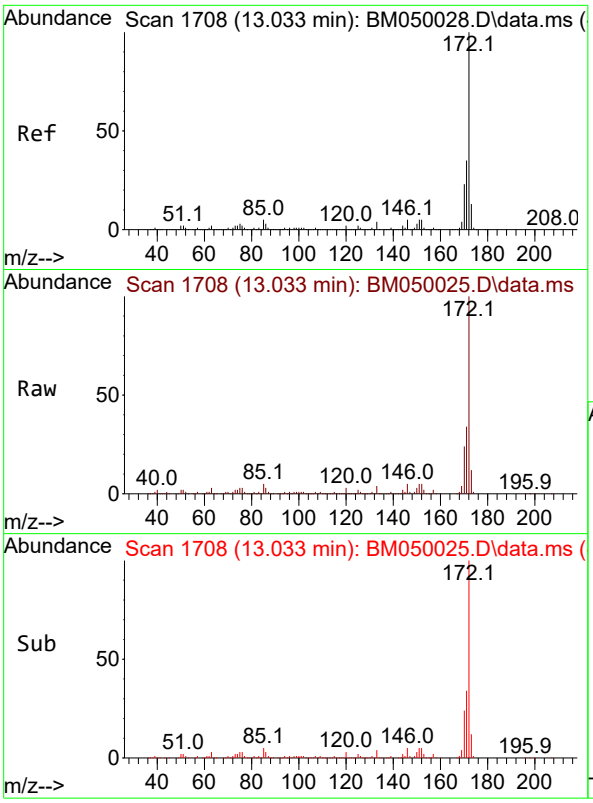


#44
2,4,5-Trichlorophenol
Concen: 4.325 ng
RT: 12.951 min Scan# 1694
Delta R.T. 0.018 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:196 Resp: 59224

Ion	Ratio	Lower	Upper
196	100		
198	97.4	76.7	115.1
97	38.4	30.1	45.1
132	23.0	16.6	25.0





#45
2-Fluorobiphenyl
Concen: 9.390 ng
RT: 13.033 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:172 Resp: 45903

Ion	Ratio	Lower	Upper
172	100		
171	34.4	27.8	41.6
170	23.5	18.6	28.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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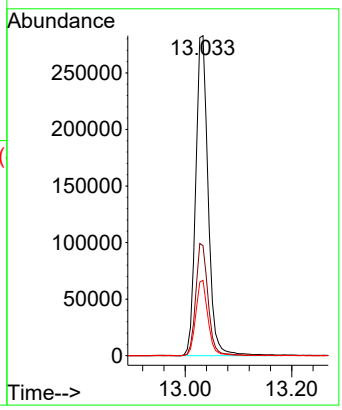
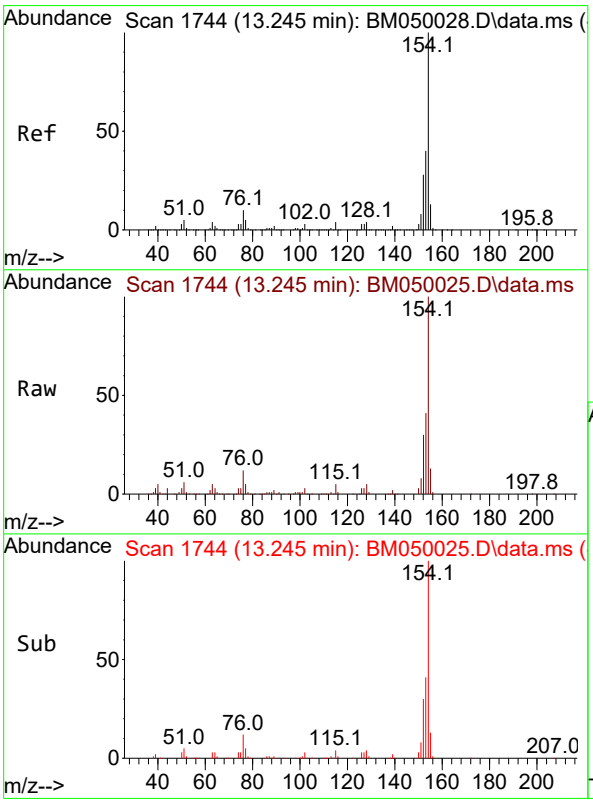
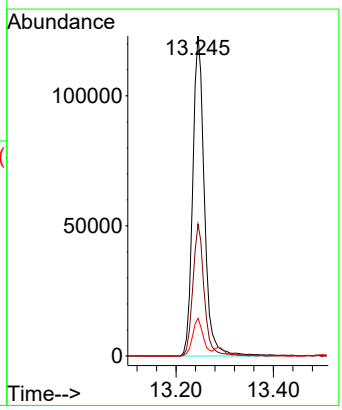


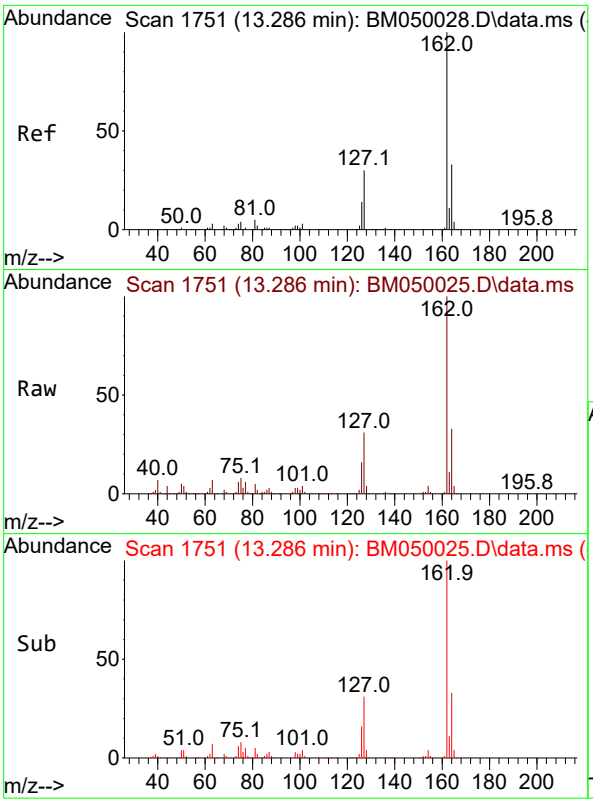


#46
1,1'-Biphenyl
Concen: 4.799 ng
RT: 13.245 min Scan# 1744
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:154 Resp: 206296

Ion	Ratio	Lower	Upper
154	100		
153	41.2	20.0	60.0
76	11.8	0.0	30.3

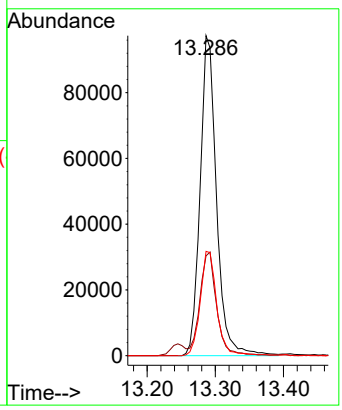




#47
2-Chloronaphthalene
Concen: 4.782 ng
RT: 13.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:162 Resp: 16280

Ion	Ratio	Lower	Upper
162	100		
127	31.2	25.9	38.9
164	32.6	26.6	40.0



Instrument :
BNA_M
ClientSampleId :
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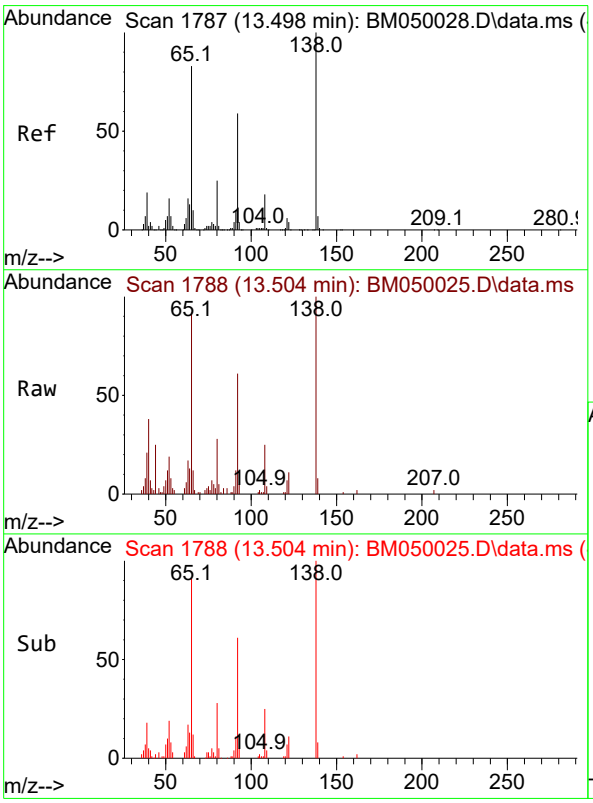
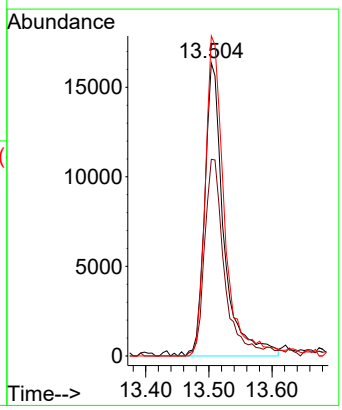
Supervised By :Jagrut Upadhyay 04/29/2025

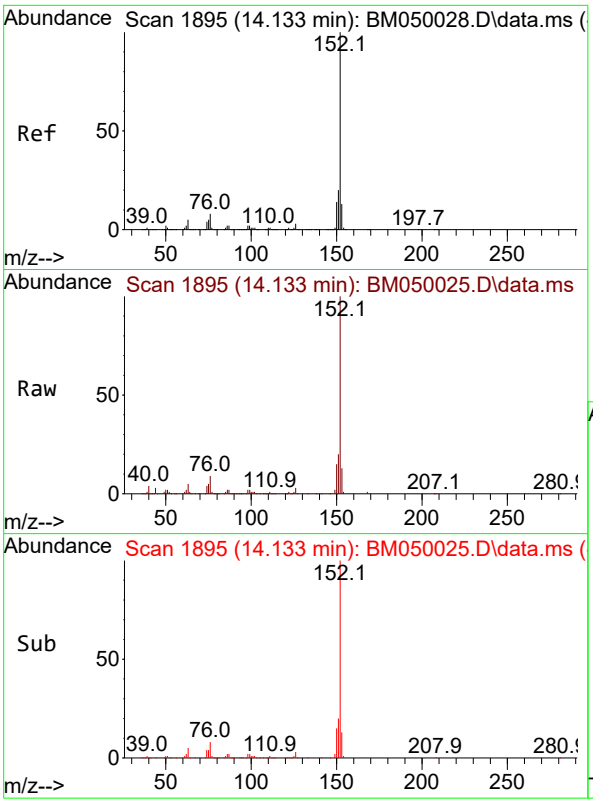


#48
2-Nitroaniline
Concen: 4.299 ng
RT: 13.504 min Scan# 1788
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion: 65 Resp: 34348

Ion	Ratio	Lower	Upper
65	100		
92	67.1	57.1	85.7
138	109.2	97.0	145.4

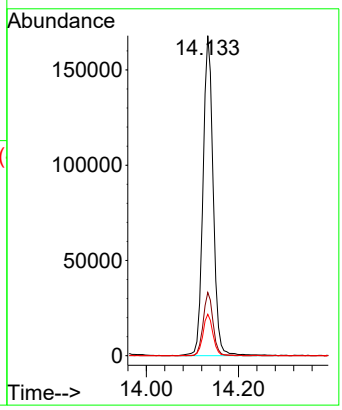




#49
Acenaphthylene
Concen: 4.832 ng
RT: 14.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:152 Resp: 25940

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.8
153	12.9	10.6	15.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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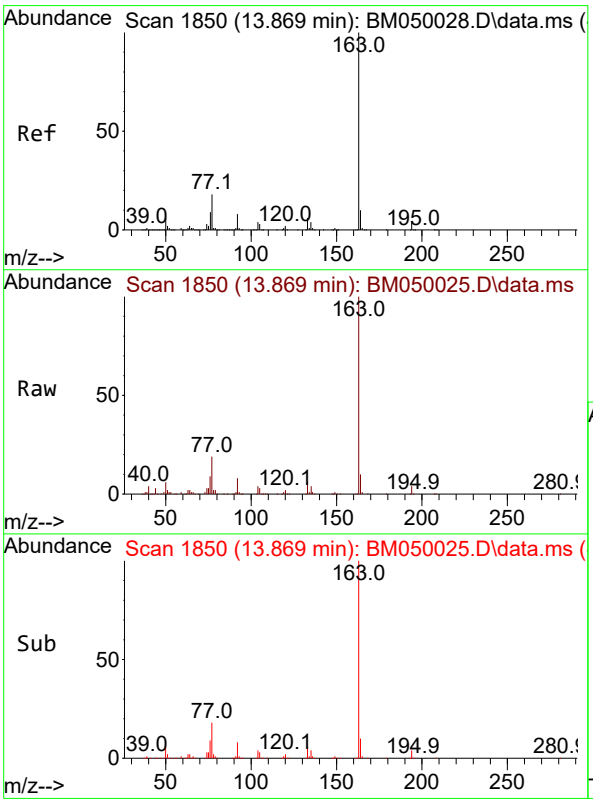
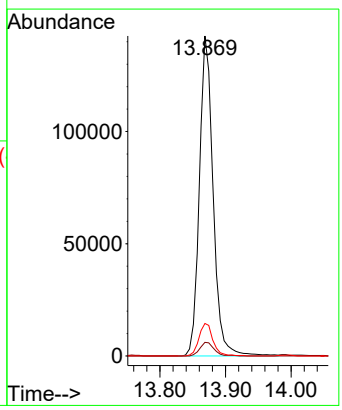
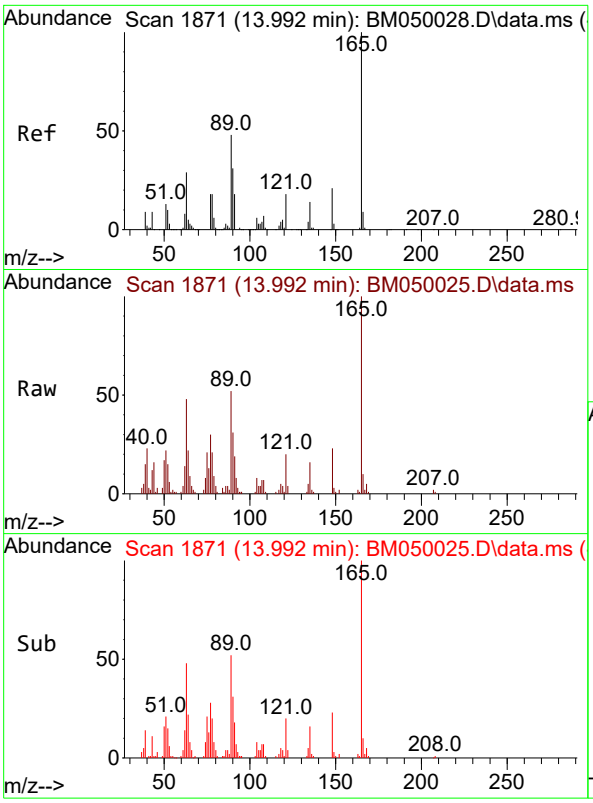


#50
Dimethylphthalate
Concen: 4.941 ng
RT: 13.869 min Scan# 1850
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:163 Resp: 208800

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.2	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 4.395 ng
RT: 13.992 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:165 Resp: 3845

Ion	Ratio	Lower	Upper
165	100		
63	48.5	35.1	52.7
89	51.9	38.4	57.6

Instrument :
BNA_M
ClientSampleId :
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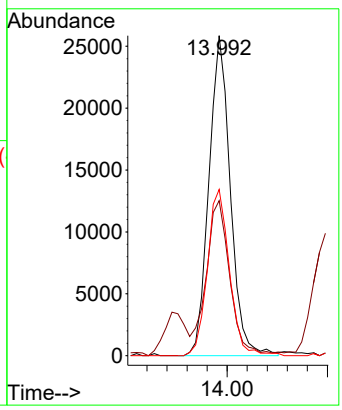
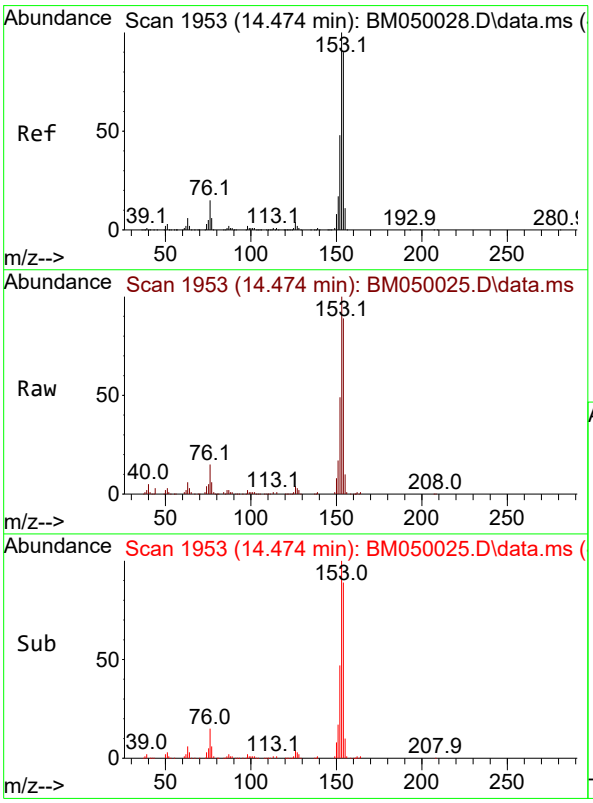
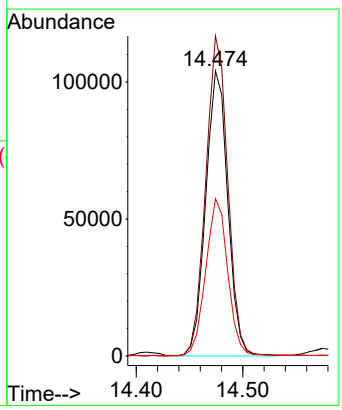


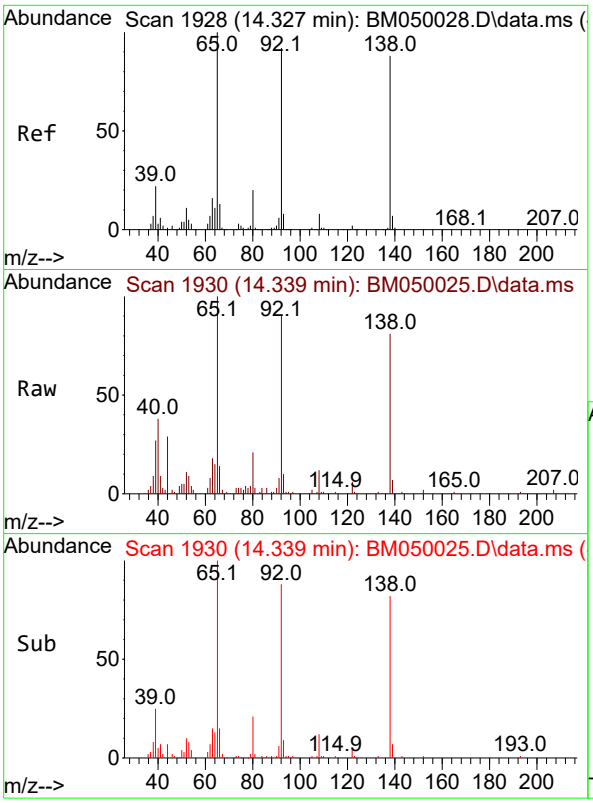


#52
Acenaphthene
Concen: 4.829 ng
RT: 14.474 min Scan# 1953
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:154 Resp: 150042

Ion	Ratio	Lower	Upper
154	100		
153	112.3	89.0	133.4
152	55.2	43.0	64.6





#53
3-Nitroaniline
Concen: 4.036 ng
RT: 14.339 min Scan# 1
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:138 Resp: 3371

Ion	Ratio	Lower	Upper
138	100		
108	15.1	7.4	11.2
92	110.8	84.0	126.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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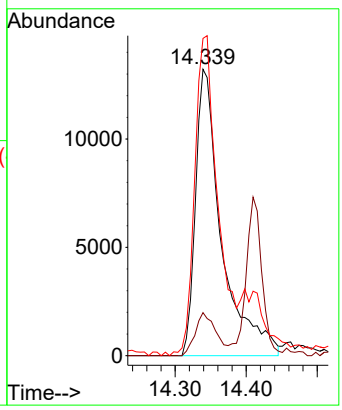
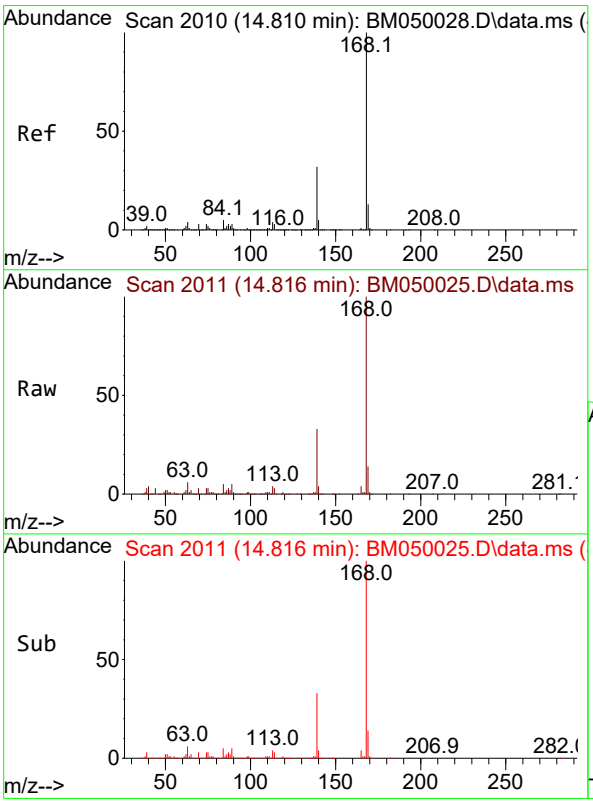
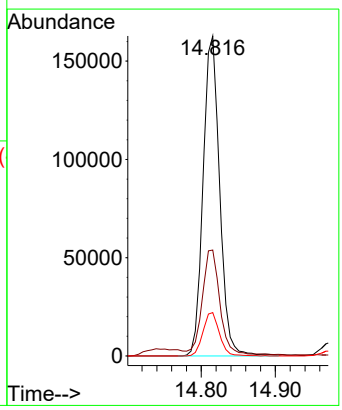


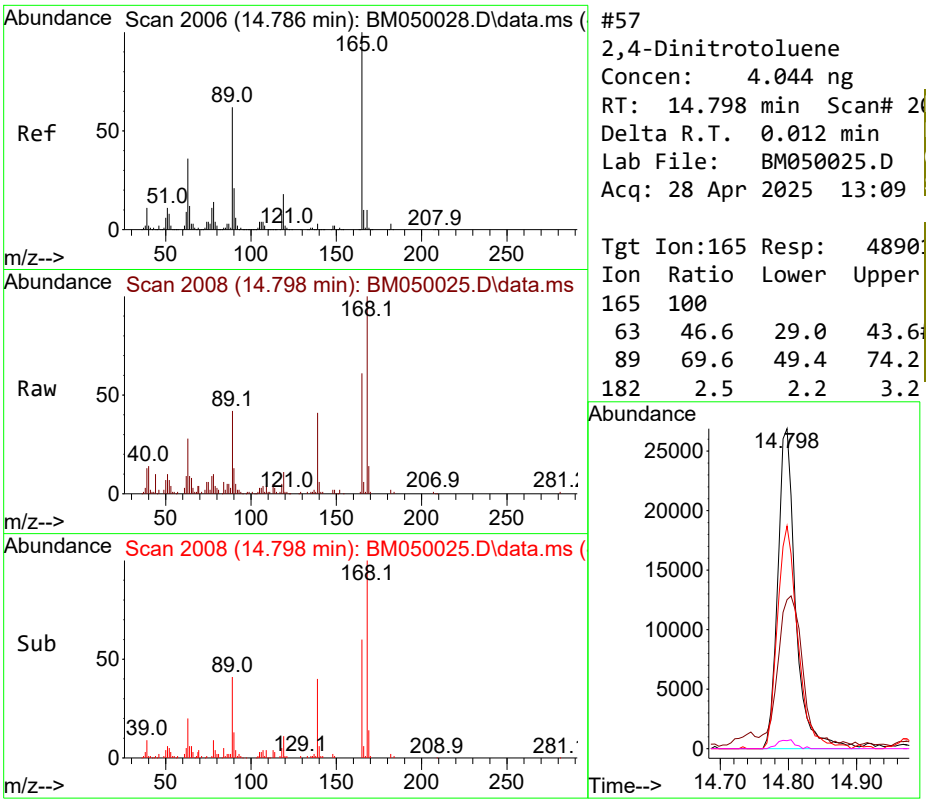


#55
Dibenzofuran
Concen: 4.892 ng
RT: 14.816 min Scan# 2011
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:168 Resp: 252898

Ion	Ratio	Lower	Upper
168	100		
139	33.1	26.1	39.1
169	13.5	10.8	16.2





#57
2,4-Dinitrotoluene
Concen: 4.044 ng
RT: 14.798 min Scan# 2
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:165 Resp: 4890

Ion	Ratio	Lower	Upper
165	100		
63	46.6	29.0	43.6
89	69.6	49.4	74.2
182	2.5	2.2	3.2

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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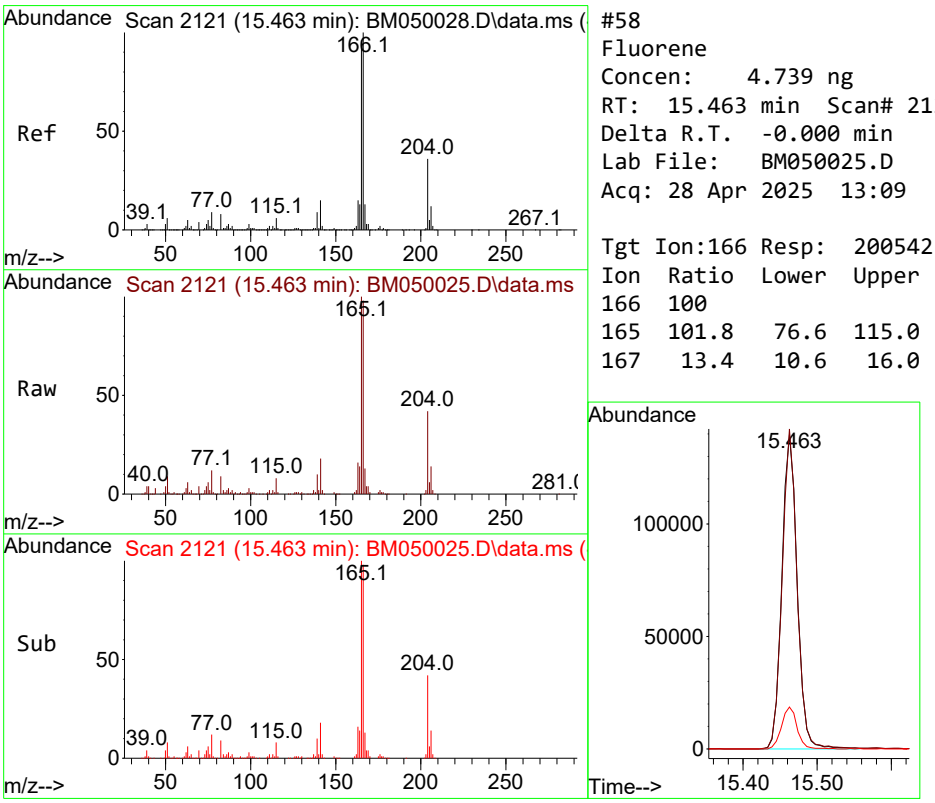
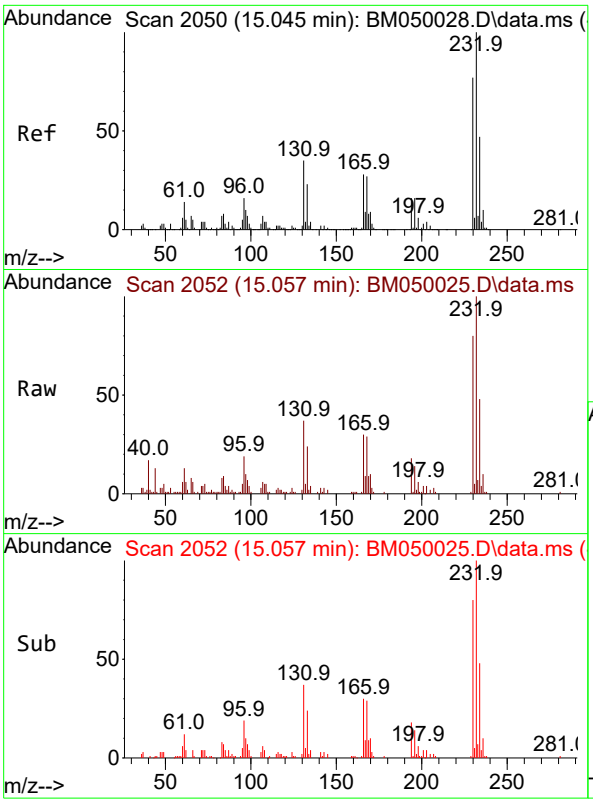


#58
Fluorene
Concen: 4.739 ng
RT: 15.463 min Scan# 2121
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:166 Resp: 200542

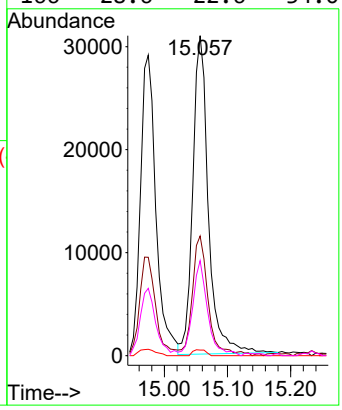
Ion	Ratio	Lower	Upper
166	100		
165	101.8	76.6	115.0
167	13.4	10.6	16.0



#59
2,3,4,6-Tetrachlorophenol
Concen: 4.463 ng
RT: 15.057 min Scan# 2(
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:232 Resp: 5289

Ion	Ratio	Lower	Upper
232	100		
131	38.0	28.2	42.4
130	1.6	1.5	2.3
166	28.6	22.6	34.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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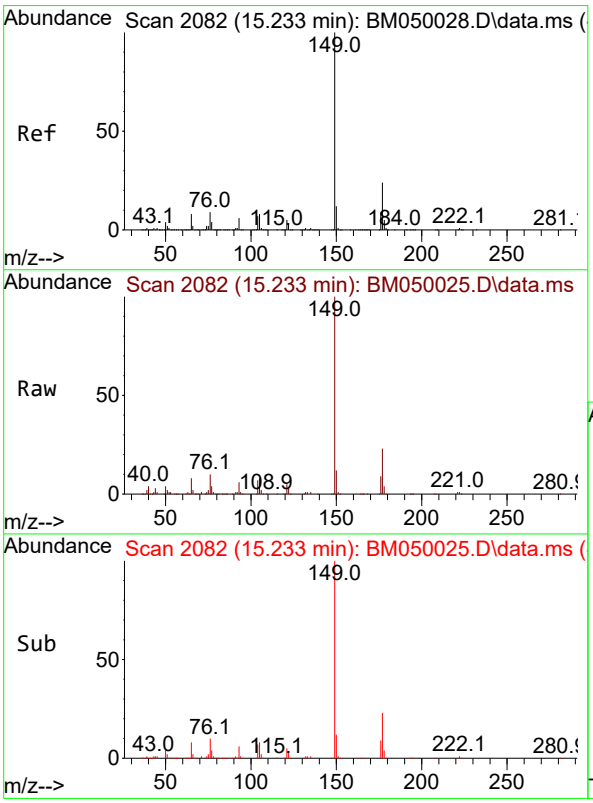
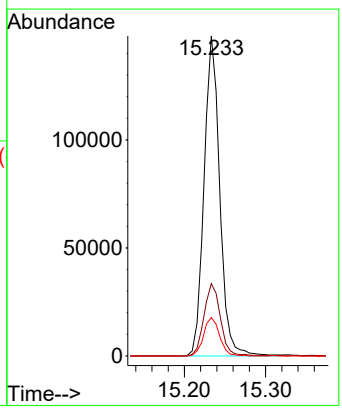
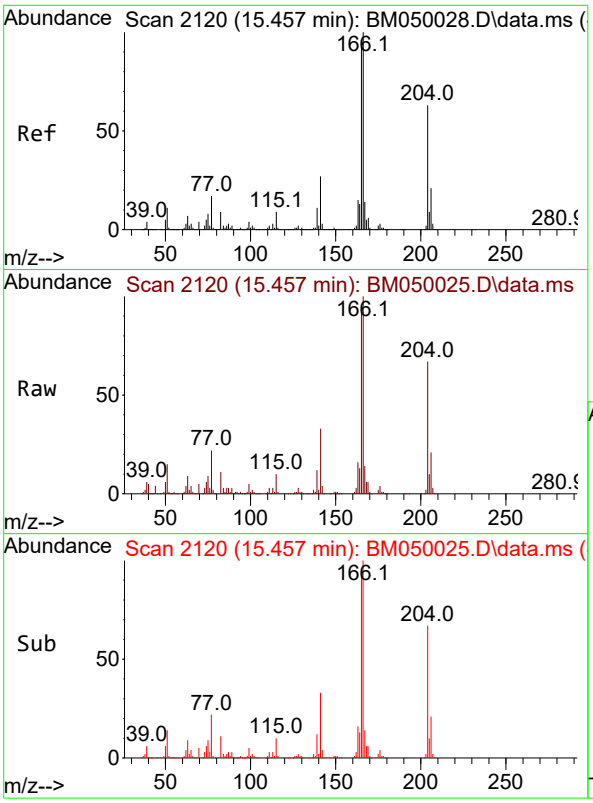


#60
Diethylphthalate
Concen: 4.981 ng
RT: 15.233 min Scan# 2082
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:149 Resp: 198362

Ion	Ratio	Lower	Upper
149	100		
177	22.6	19.1	28.7
150	12.0	9.6	14.4

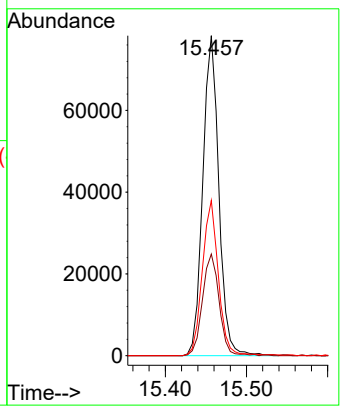




#61
4-Chlorophenyl-phenylether
Concen: 4.607 ng
RT: 15.457 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:204 Resp: 10708

Ion	Ratio	Lower	Upper
204	100		
206	31.7	26.3	39.5
141	48.5	34.0	51.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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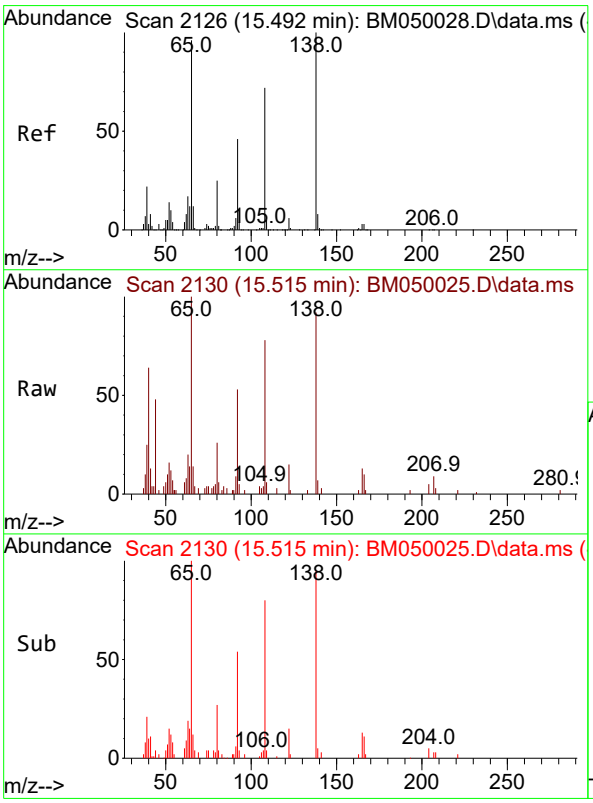
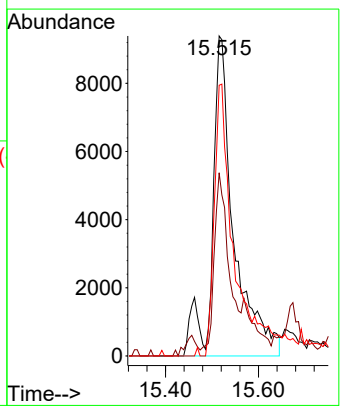
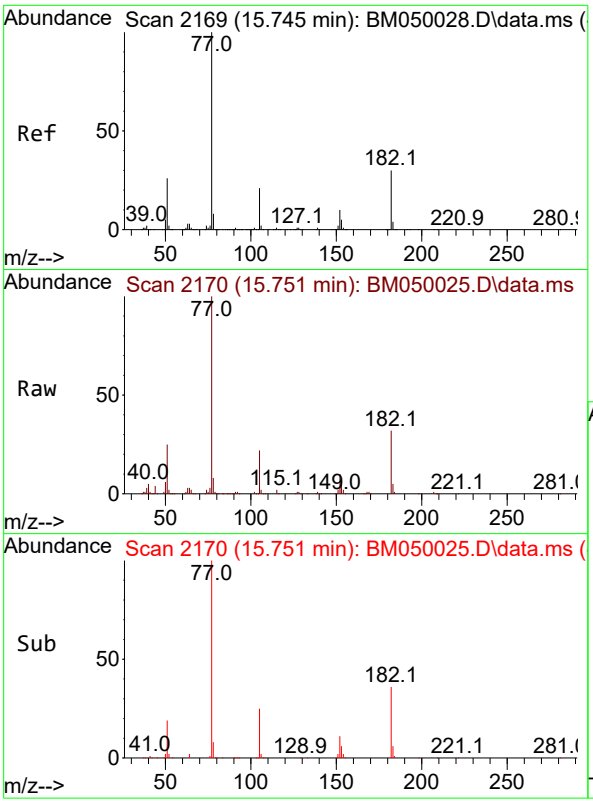


#62
4-Nitroaniline
Concen: 3.737 ng m
RT: 15.515 min Scan# 2130
Delta R.T. 0.023 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:138 Resp: 30138

Ion	Ratio	Lower	Upper
138	100		
92	57.3	25.9	65.9
108	84.6	52.4	92.4

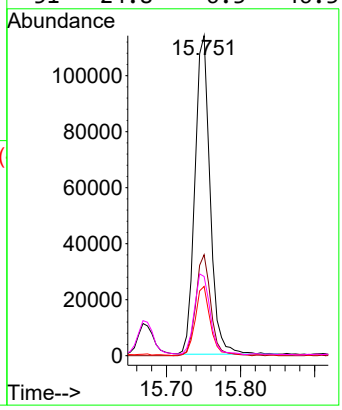




#63
Azobenzene
Concen: 4.844 ng
RT: 15.751 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion: 77 Resp: 16166

Ion	Ratio	Lower	Upper
77	100		
182	31.6	10.5	50.5
105	21.7	1.1	41.1
51	24.8	6.3	46.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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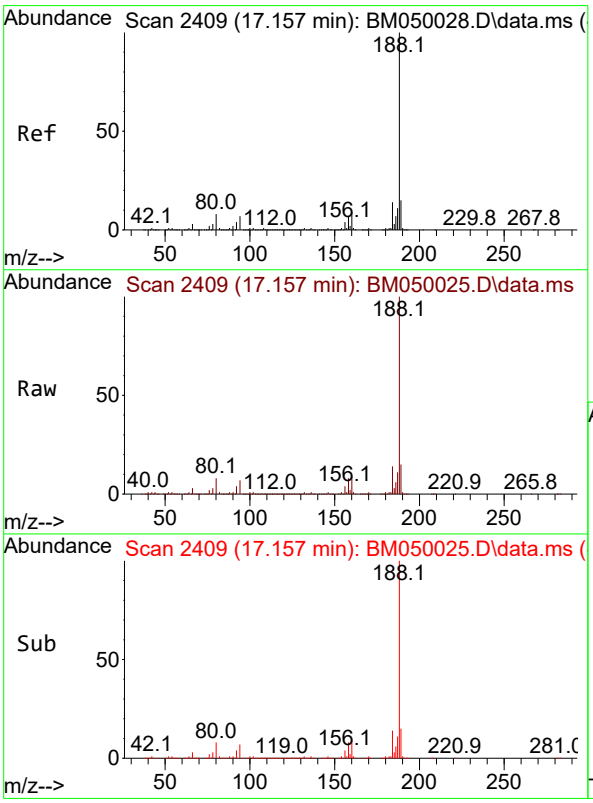
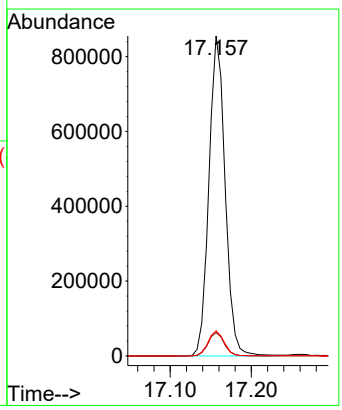
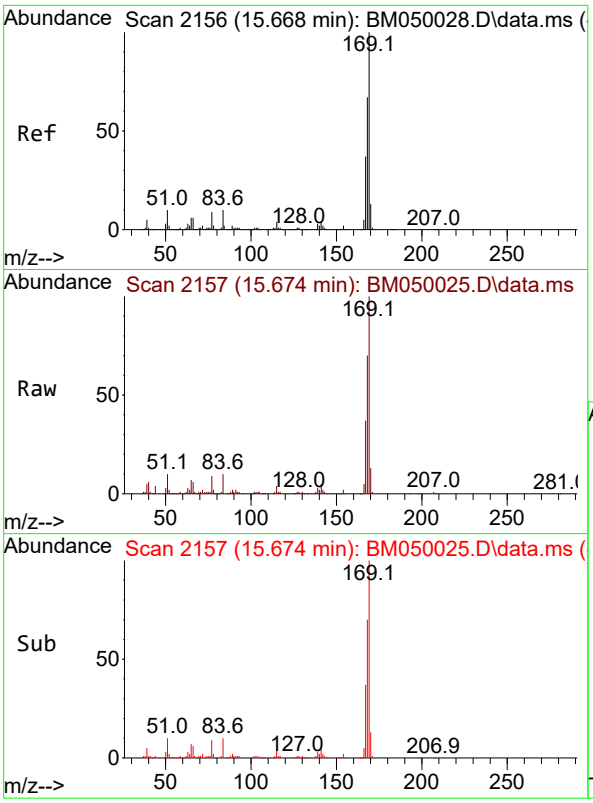


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:188 Resp: 1183325

Ion	Ratio	Lower	Upper
188	100		
94	7.3	5.7	8.5
80	7.9	6.2	9.4

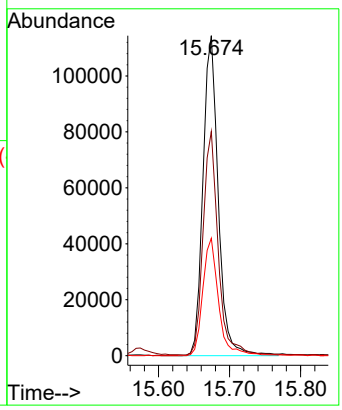




#66
n-Nitrosodiphenylamine
Concen: 4.723 ng
RT: 15.674 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:169 Resp: 17160

Ion	Ratio	Lower	Upper
169	100		
168	70.0	53.4	80.2
167	36.7	29.4	44.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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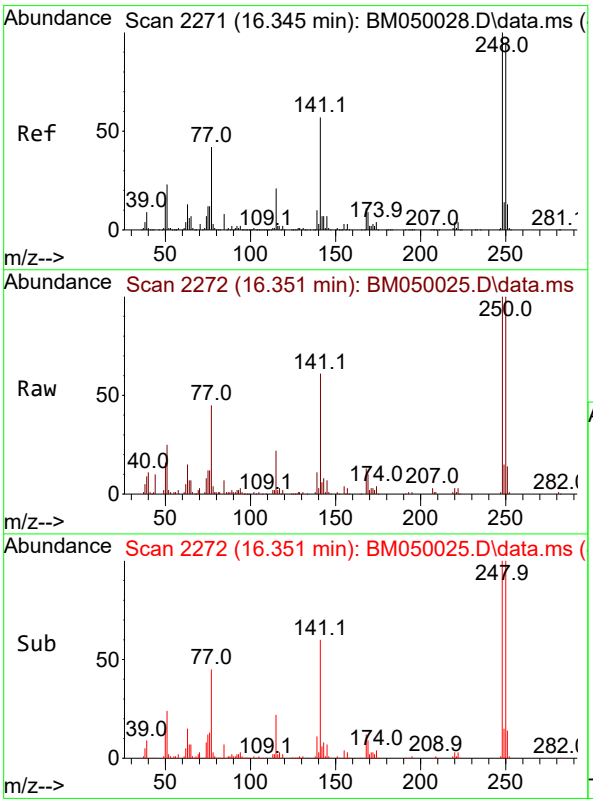
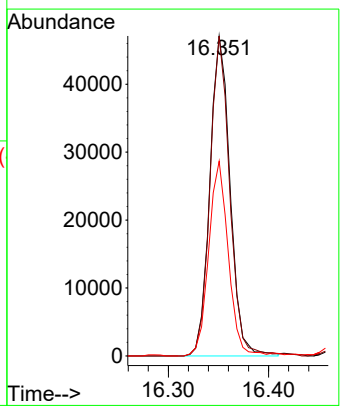
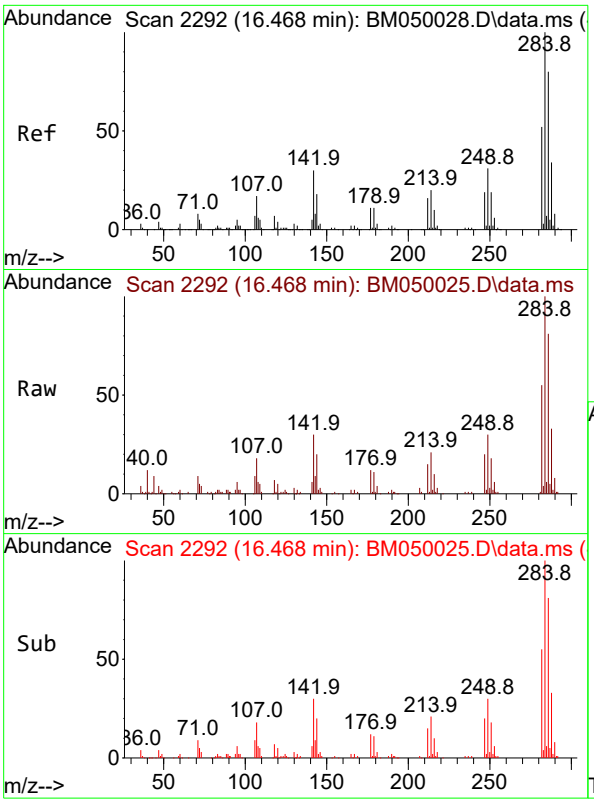


#67
4-Bromophenyl-phenylether
Concen: 4.612 ng
RT: 16.351 min Scan# 2272
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:248 Resp: 66000

Ion	Ratio	Lower	Upper
248	100		
250	99.9	76.2	114.2
141	60.8	45.9	68.9





#68
Hexachlorobenzene
Concen: 4.759 ng
RT: 16.468 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:284 Resp: 7850

Ion	Ratio	Lower	Upper
284	100		
142	30.1	23.9	35.9
249	29.9	24.5	36.7

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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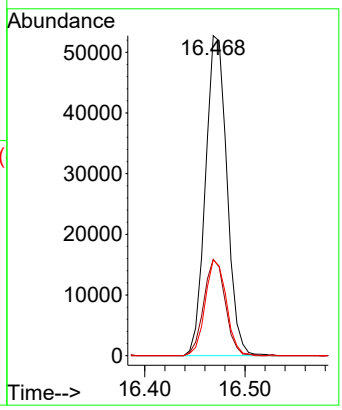
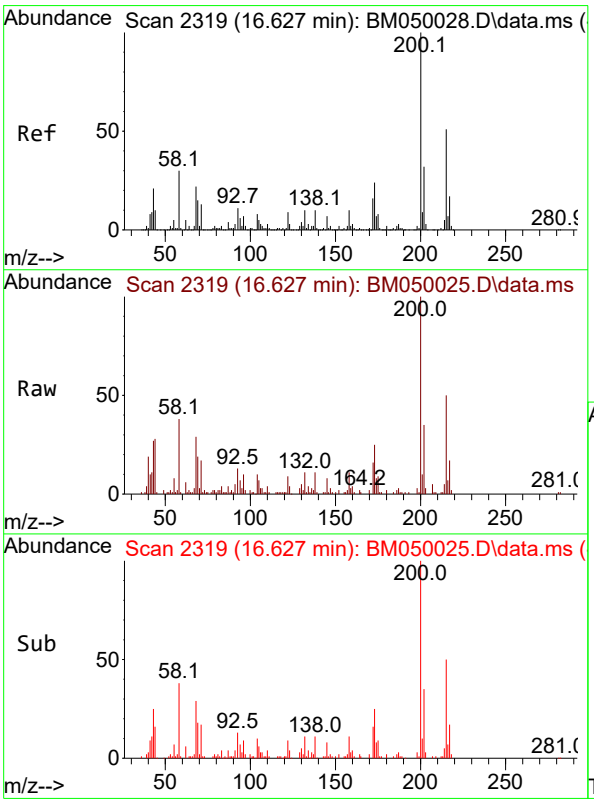
Supervised By :Jagrut Upadhyay 04/29/2025

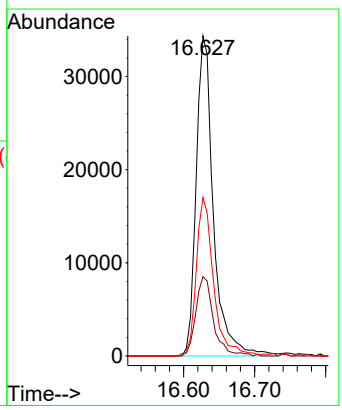


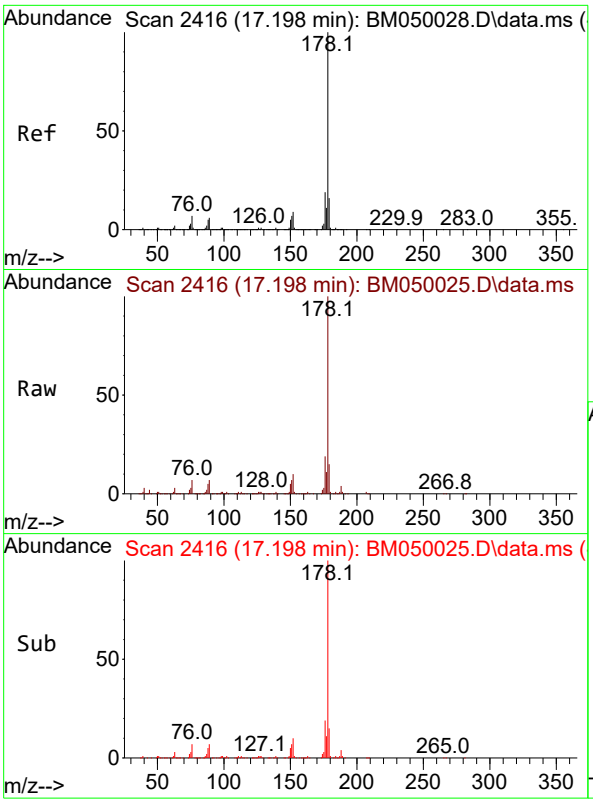


#69
Atrazine
Concen: 4.433 ng
RT: 16.627 min Scan# 2319
Delta R.T. 0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:200 Resp: 58110

Ion	Ratio	Lower	Upper
200	100		
173	24.8	4.3	44.3
215	49.5	30.6	70.6





#71
Phenanthrene
Concen: 4.764 ng
RT: 17.198 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:178 Resp: 31795

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	14.8	12.4	18.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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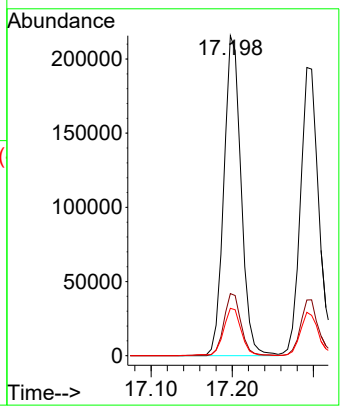
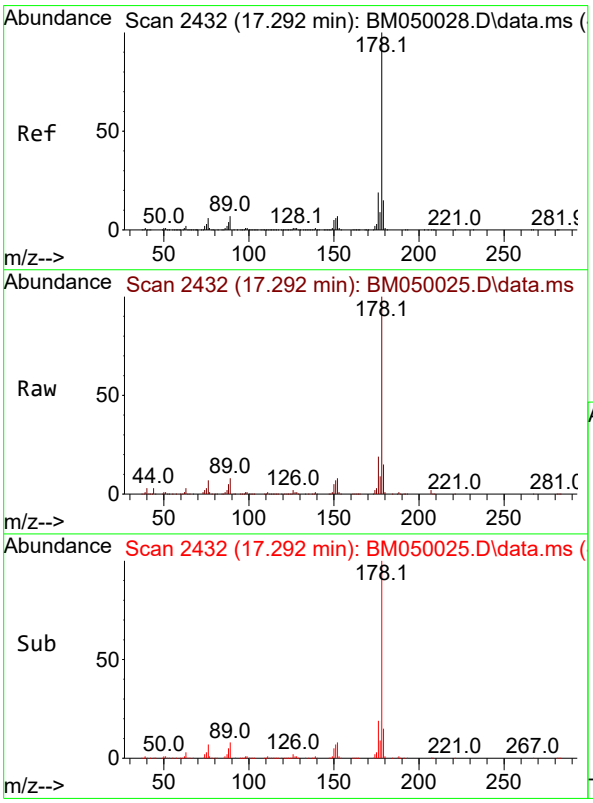
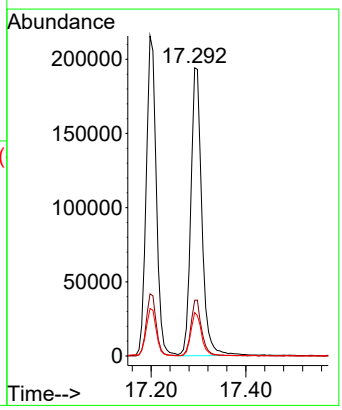


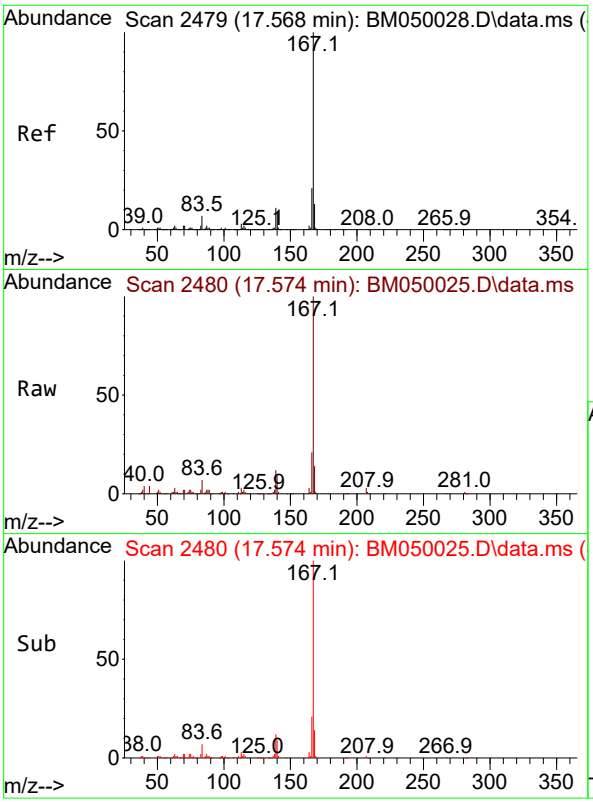


#72
Anthracene
Concen: 4.651 ng
RT: 17.292 min Scan# 2432
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:178 Resp: 314149

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.0	22.4
179	15.0	12.2	18.4





#73
Carbazole
Concen: 4.586 ng
RT: 17.574 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:167 Resp: 26877

Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.2	25.8
139	11.7	9.0	13.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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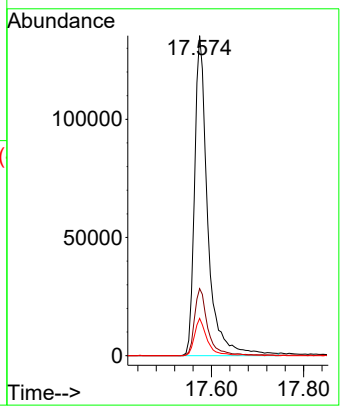
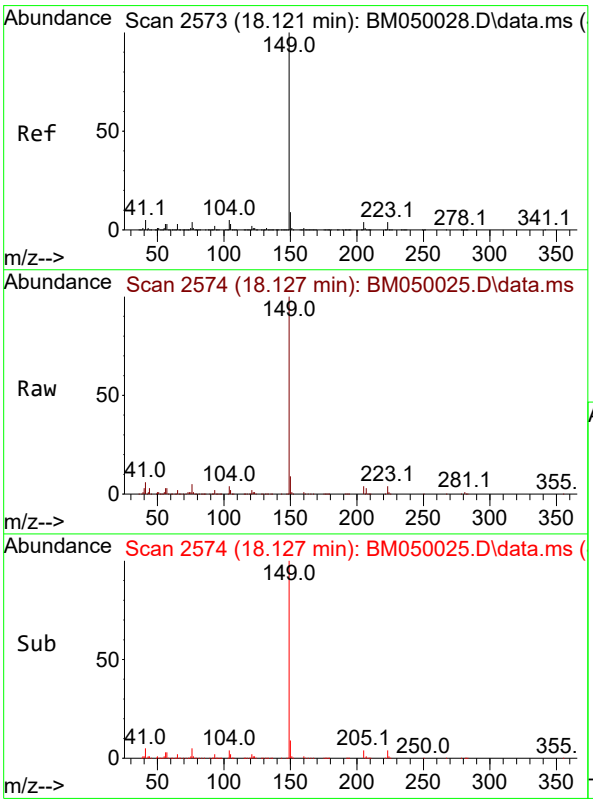
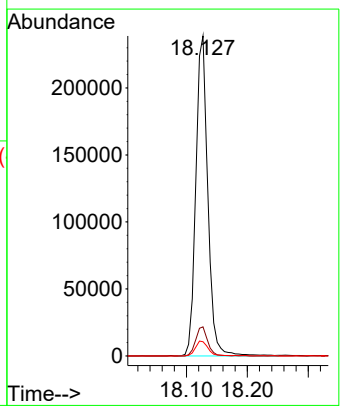


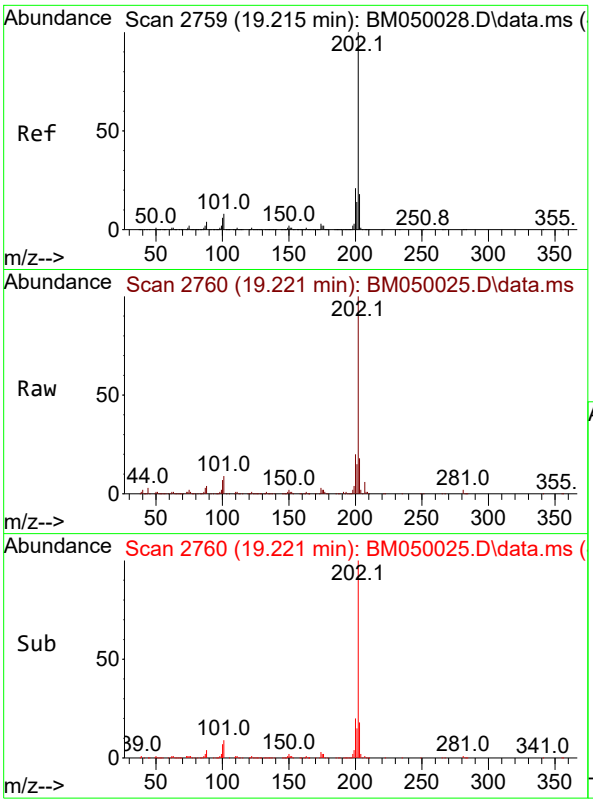


#74
Di-n-butylphthalate
Concen: 4.688 ng
RT: 18.127 min Scan# 2574
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:149 Resp: 327178

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	4.4	3.8	5.6

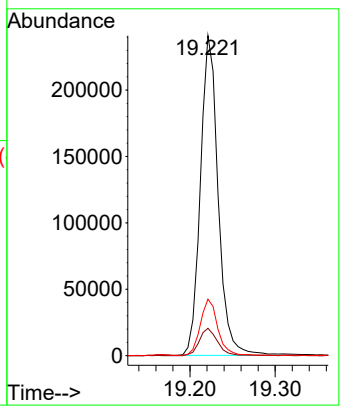




#75
Fluoranthene
Concen: 4.449 ng
RT: 19.221 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:202 Resp: 34859

Ion	Ratio	Lower	Upper
202	100		
101	8.5	0.0	28.0
203	17.6	0.0	37.7



Instrument :
BNA_M
ClientSampleId :
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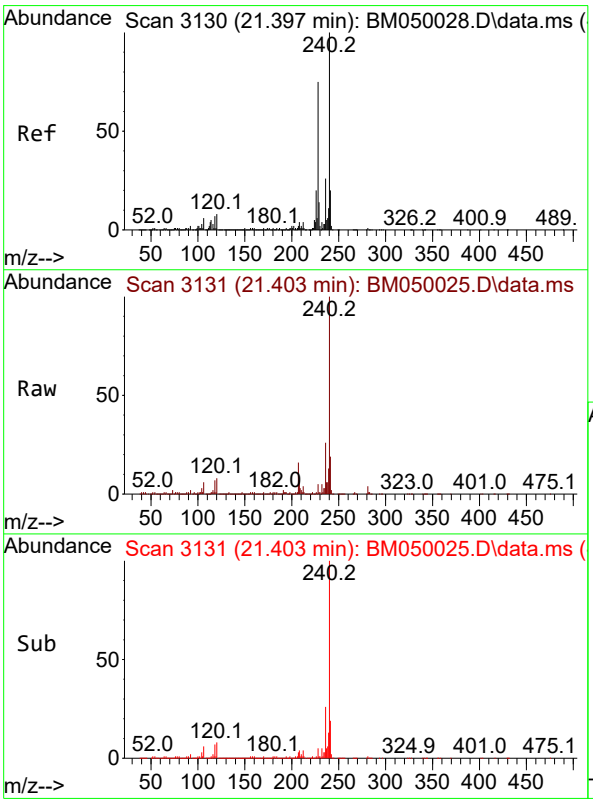
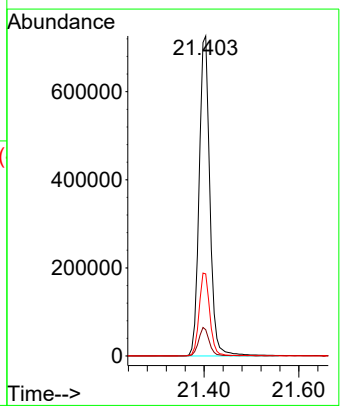
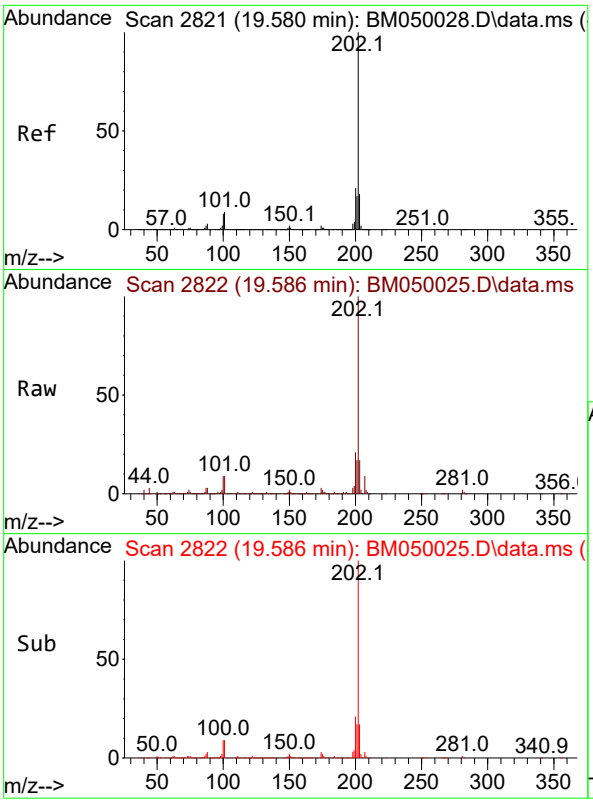


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:240 Resp: 1136162

Ion	Ratio	Lower	Upper
240	100		
120	8.2	6.5	9.7
236	25.6	20.9	31.3

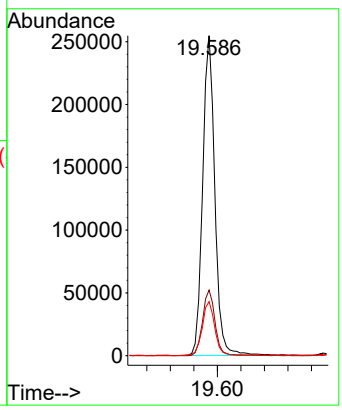




#78
Pyrene
Concen: 4.593 ng
RT: 19.586 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:202 Resp: 36647

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.7	25.1
203	16.9	14.1	21.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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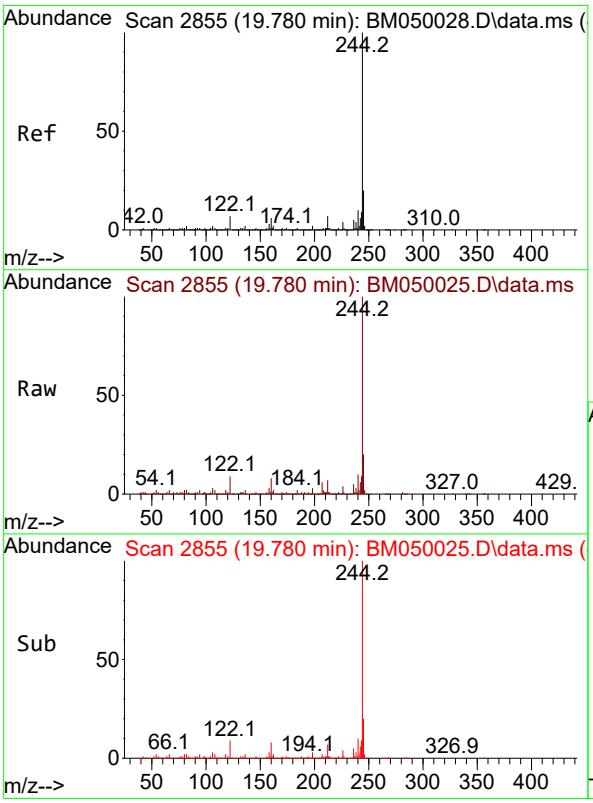
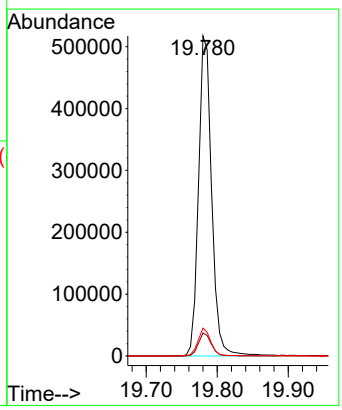
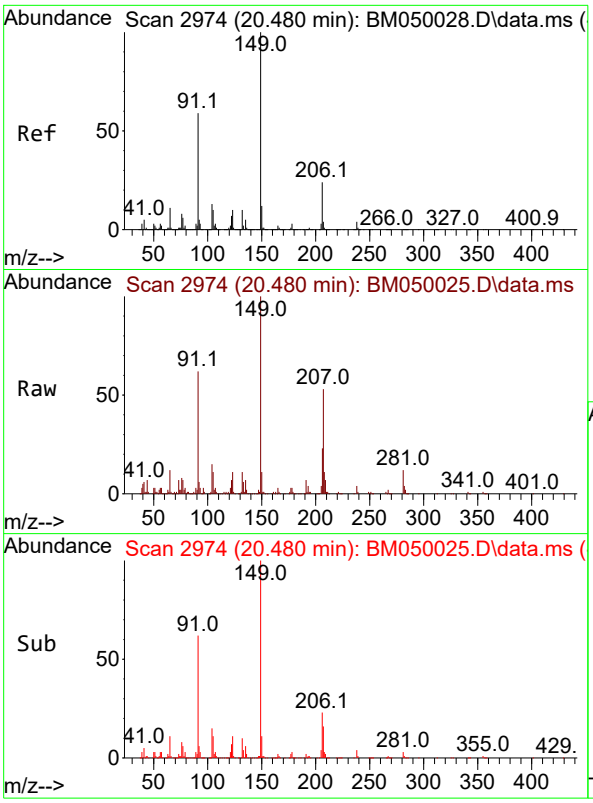


#79
Terphenyl-d14
Concen: 8.704 ng
RT: 19.780 min Scan# 2855
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:244 Resp: 668289

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	8.7	5.6	8.4#

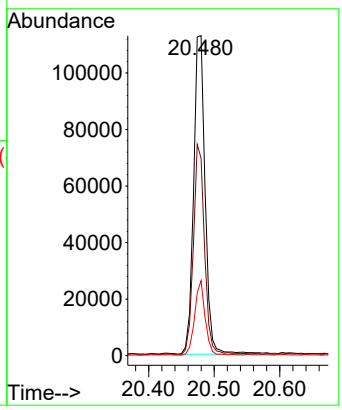




#80
Butylbenzylphthalate
Concen: 4.646 ng
RT: 20.480 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:149 Resp: 13882

Ion	Ratio	Lower	Upper
149	100		
91	61.7	47.4	71.2
206	23.4	19.4	29.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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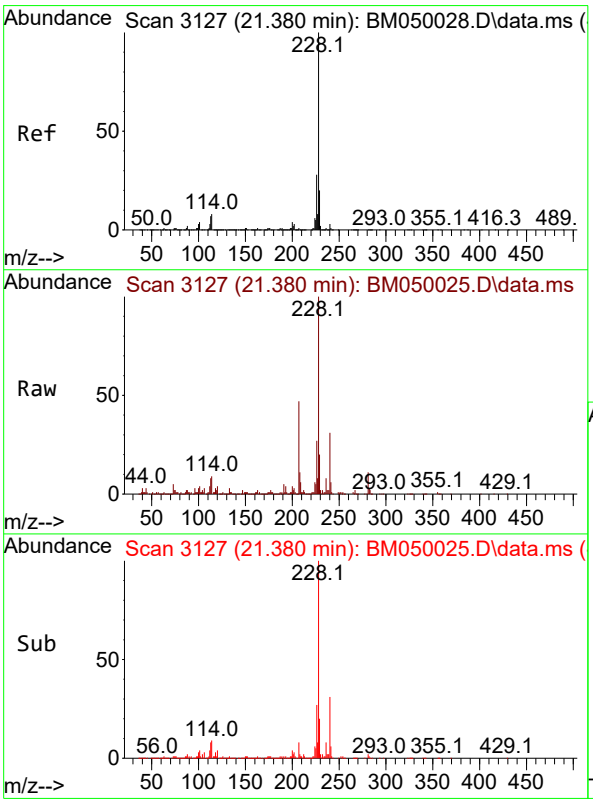
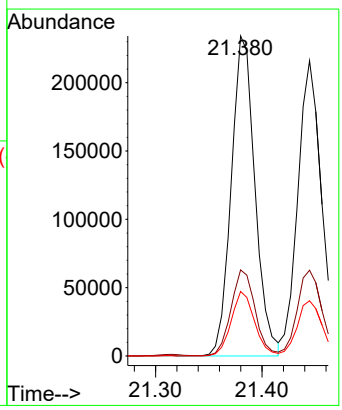
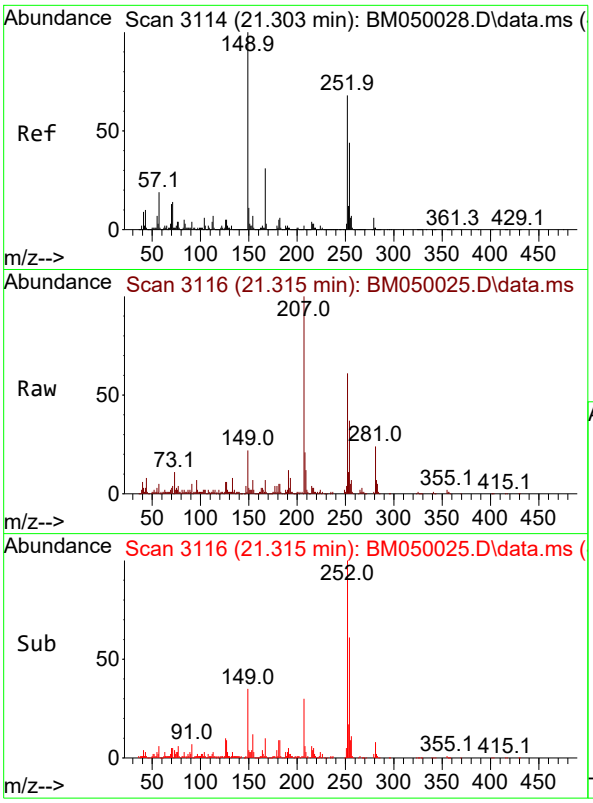


#81
Benzo(a)anthracene
Concen: 4.648 ng
RT: 21.380 min Scan# 3127
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:228 Resp: 363641

Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.1	33.1
229	20.1	15.7	23.5





#82
3,3'-Dichlorobenzidine
Concen: 4.119 ng
RT: 21.315 min Scan# 3
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:252 Resp: 12337

Ion	Ratio	Lower	Upper
252	100		
254	61.0	51.8	77.6
126	9.9	6.0	9.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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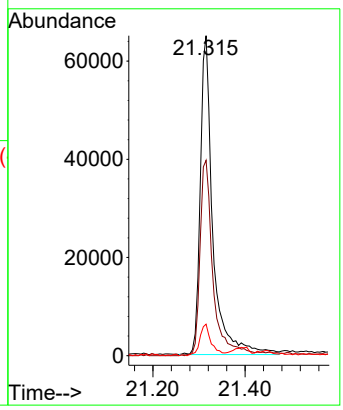
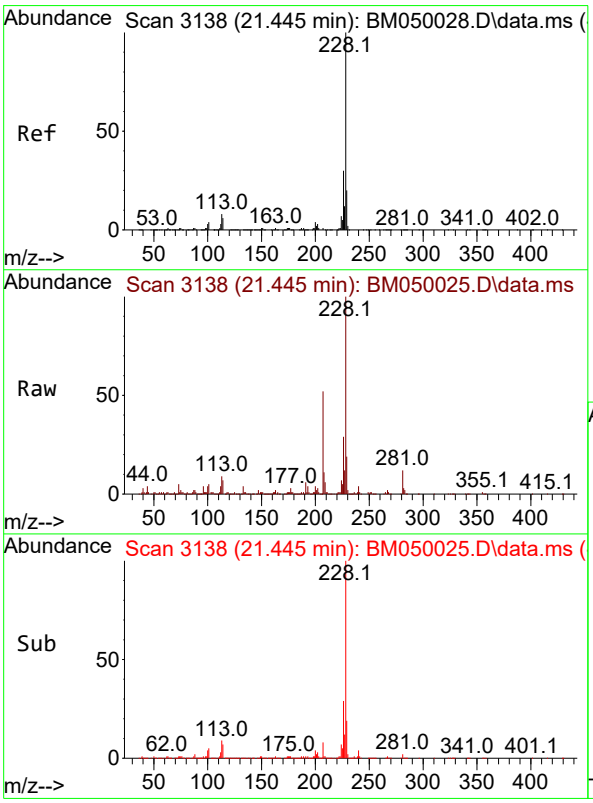
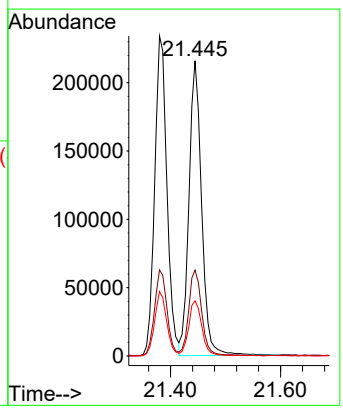


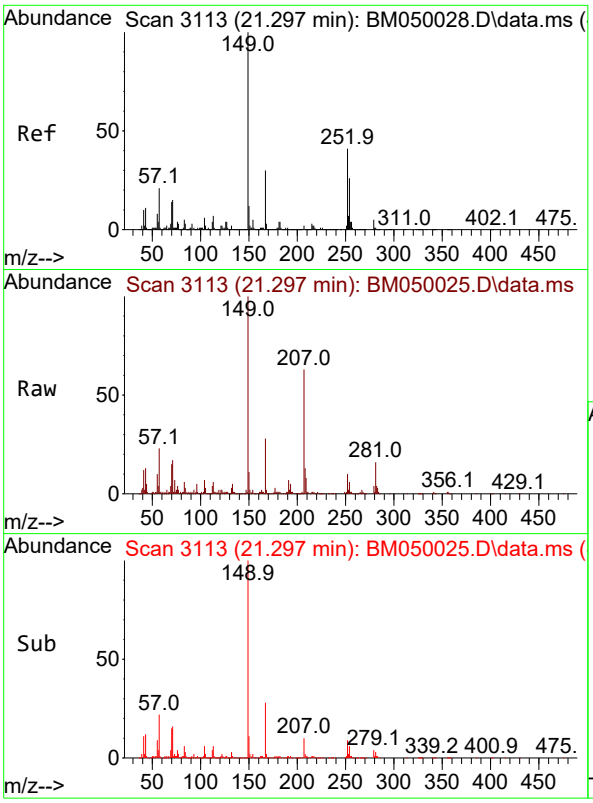


#83
Chrysene
Concen: 4.738 ng
RT: 21.445 min Scan# 3138
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:228 Resp: 343085

Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.2	36.2
229	18.7	15.7	23.5





#84
Bis(2-ethylhexyl)phthalate
Concen: 4.620 ng
RT: 21.297 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:149 Resp: 20623

Ion	Ratio	Lower	Upper
149	100		
167	28.0	24.1	36.1
279	4.1	3.9	5.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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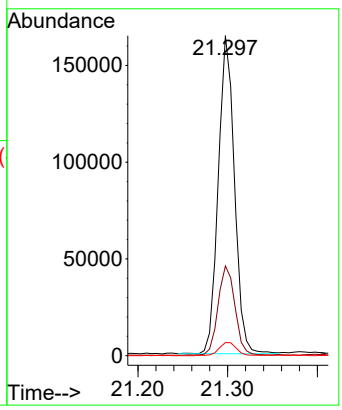
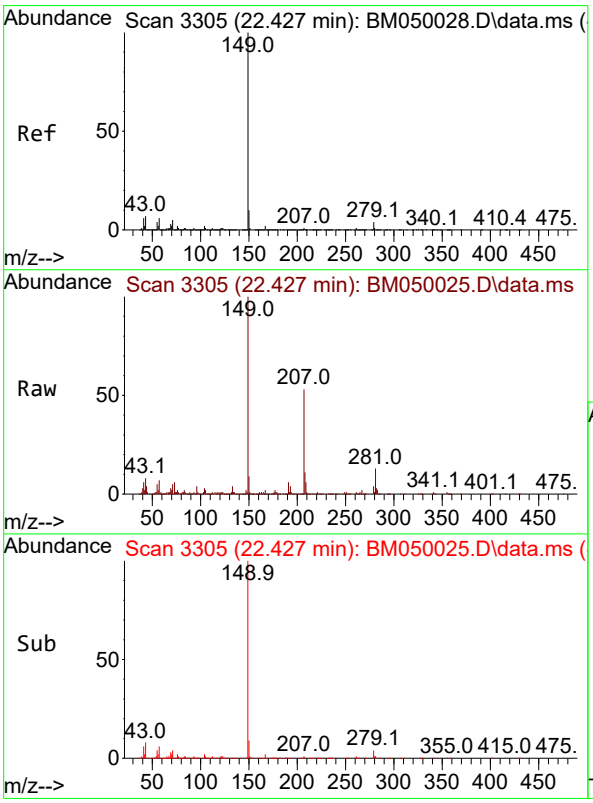
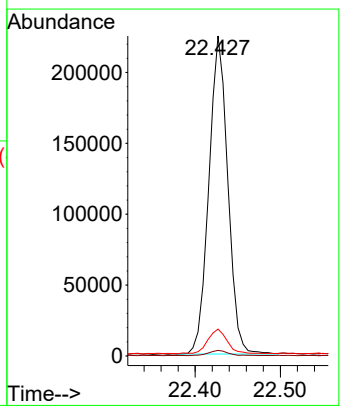


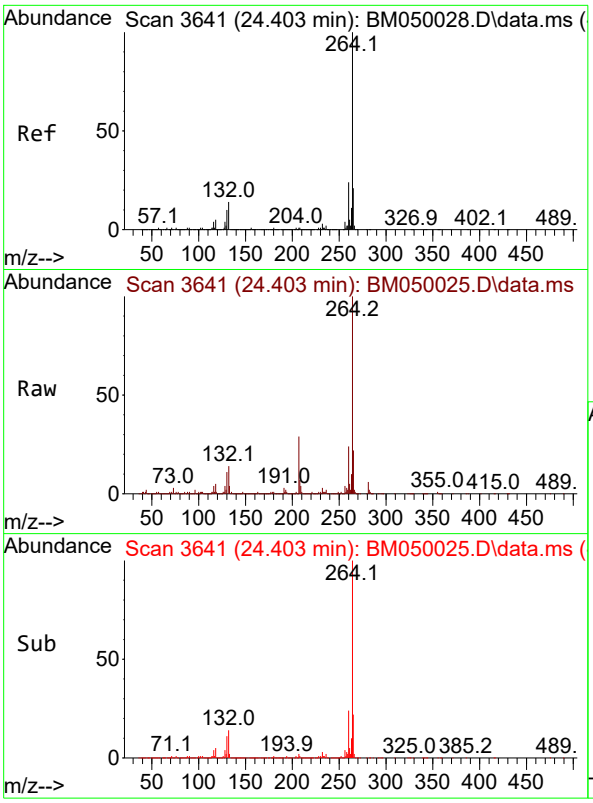


#85
Di-n-octyl phthalate
Concen: 4.711 ng
RT: 22.427 min Scan# 3305
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:149 Resp: 346799

Ion	Ratio	Lower	Upper
149	100		
167	1.8	1.3	1.9
43	8.0	5.8	8.8

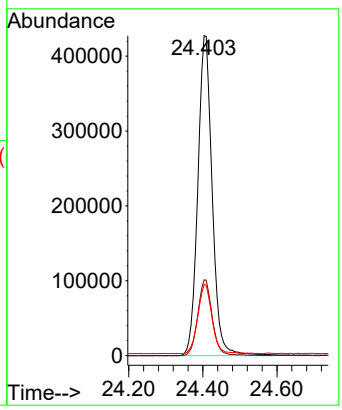




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:264 Resp: 114991

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.8	28.2
265	22.2	17.0	25.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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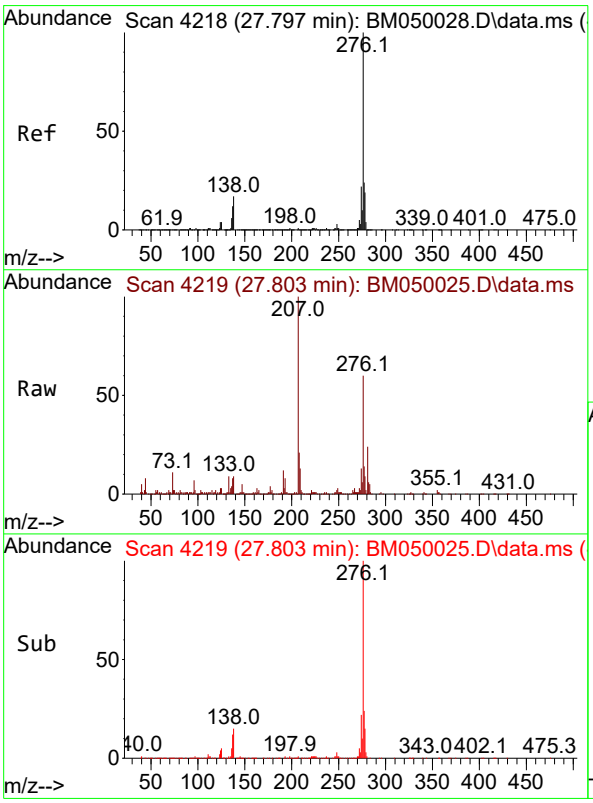
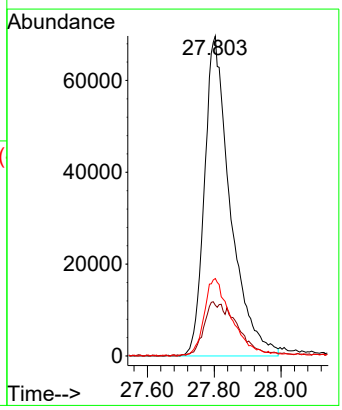
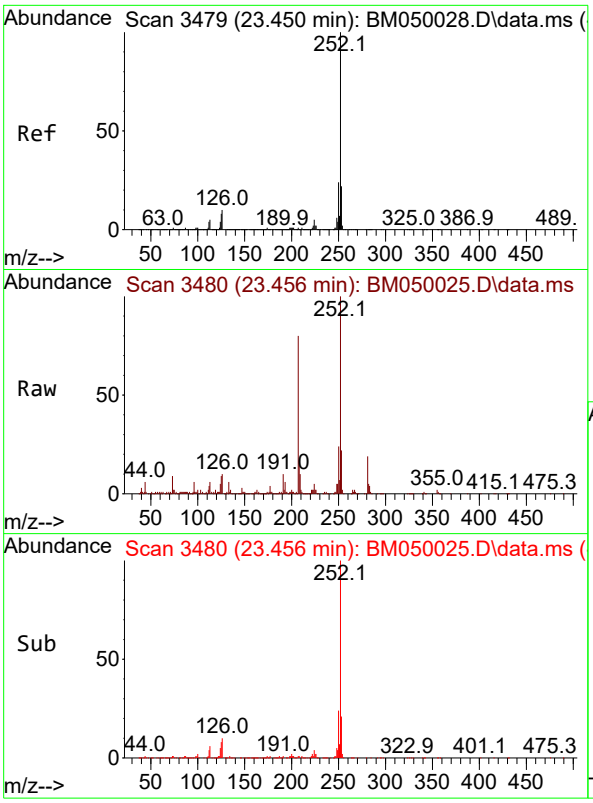


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.364 ng
RT: 27.803 min Scan# 4219
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:276 Resp: 373944

Ion	Ratio	Lower	Upper
276	100		
138	8.9	16.4	24.6#
277	25.9	19.8	29.8





#88
Benzo(b)fluoranthene
Concen: 4.338 ng
RT: 23.456 min Scan# 34
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:252 Resp: 32439

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	8.7	6.1	9.1

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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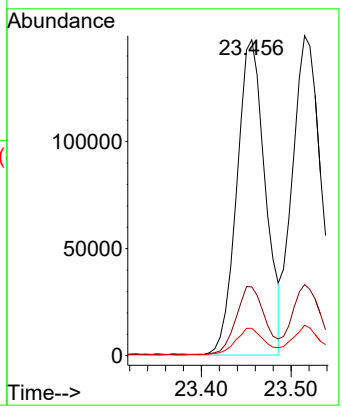
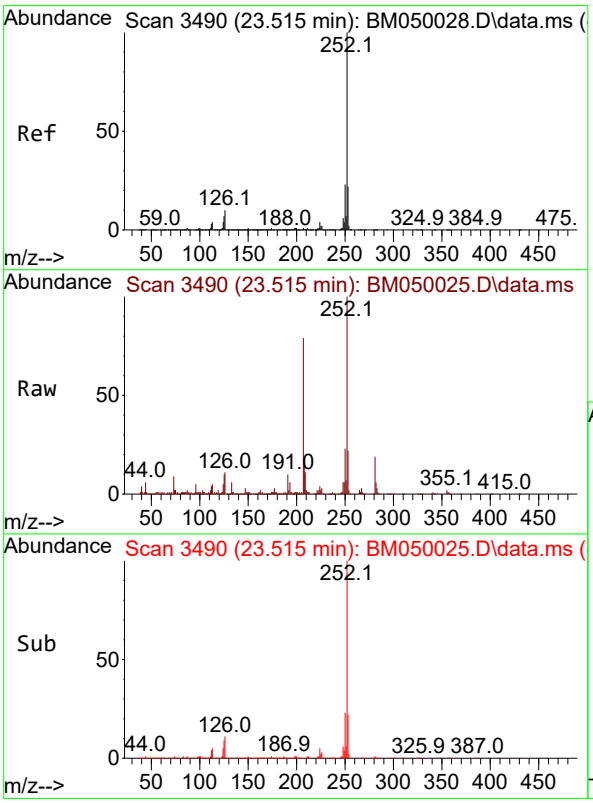
Supervised By :Jagrut Upadhyay 04/29/2025

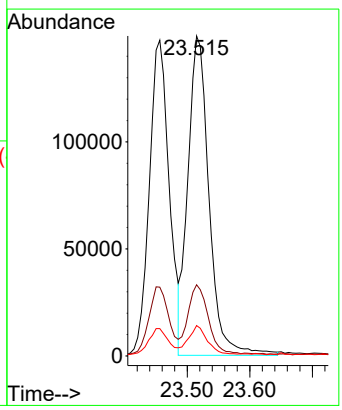


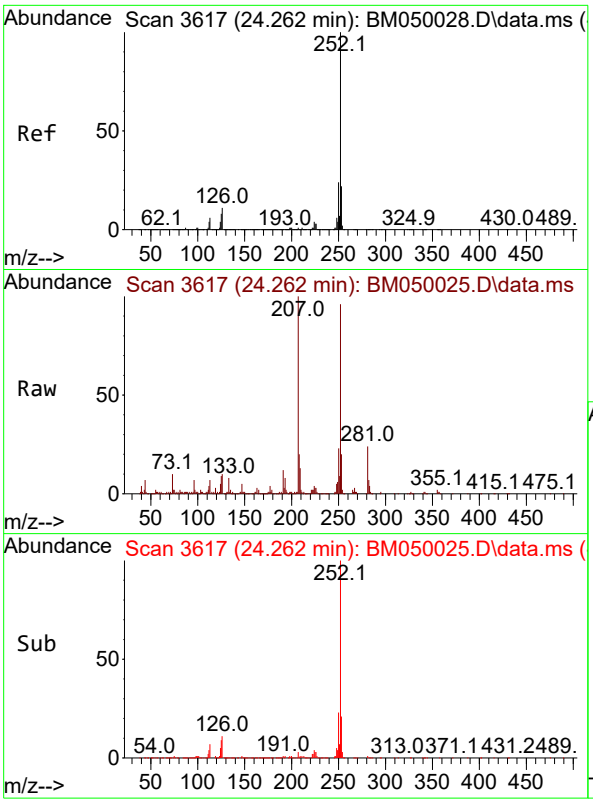


#89
Benzo(k)fluoranthene
Concen: 4.631 ng m
RT: 23.515 min Scan# 3490
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:252 Resp: 350374

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	9.5	5.8	8.8#

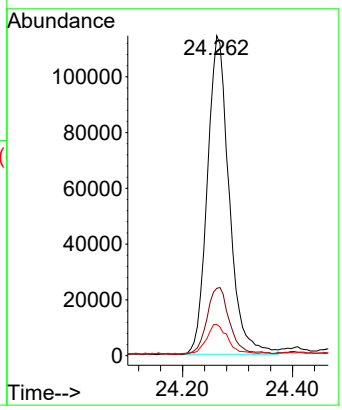




#90
Benzo(a)pyrene
Concen: 4.492 ng
RT: 24.262 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:252 Resp: 31460

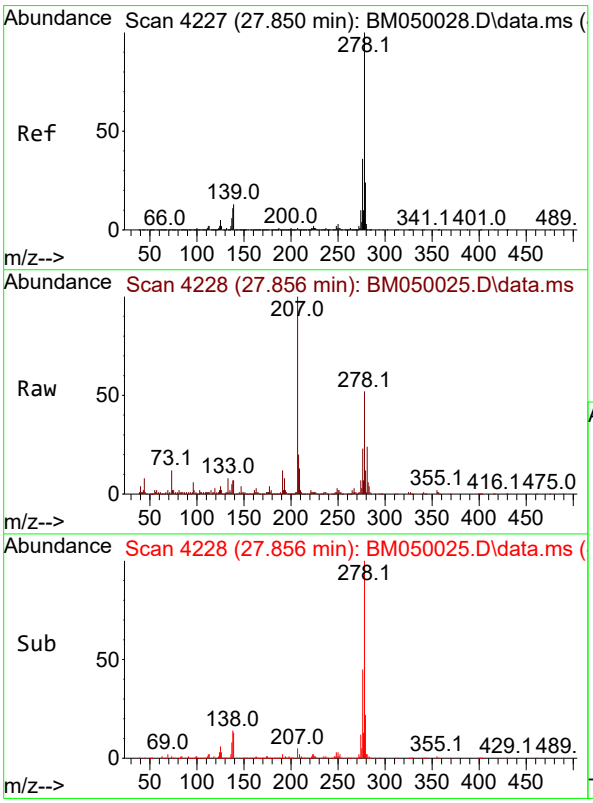
Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.4	26.0
125	9.7	6.6	9.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

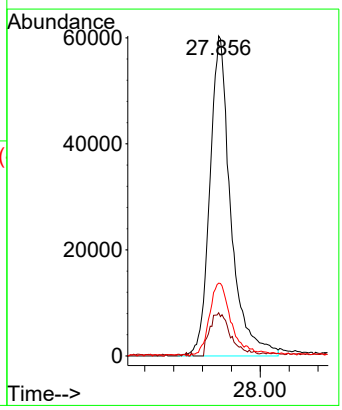
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

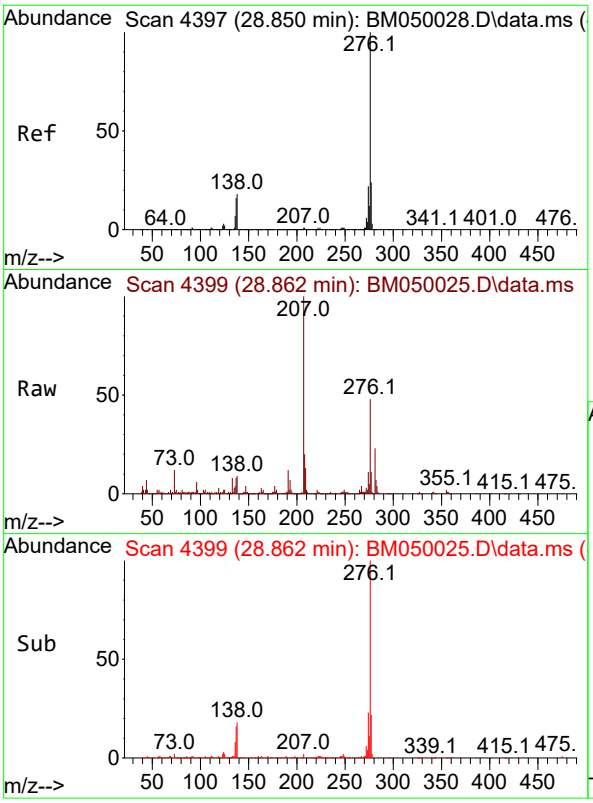


#91
Dibenzo(a,h)anthracene
Concen: 4.346 ng
RT: 27.856 min Scan# 4228
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:278 Resp: 303557

Ion	Ratio	Lower	Upper
278	100		
139	13.5	10.5	15.7
279	22.8	19.4	29.0

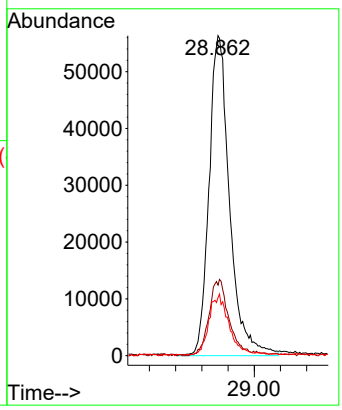




#92
Benzo(g,h,i)perylene
Concen: 4.585 ng
RT: 28.862 min Scan# 4
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:276 Resp: 30657

Ion	Ratio	Lower	Upper
276	100		
277	22.1	19.1	28.7
138	18.1	14.3	21.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050026.D
Acq On : 28 Apr 2025 13:48
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

Quant Time: Apr 28 17:54:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.769	152	250110	20.000	ng		0.00
21) Naphthalene-d8	10.563	136	926512	20.000	ng		0.00
39) Acenaphthene-d10	14.410	164	636652	20.000	ng		0.00
64) Phenanthrene-d10	17.157	188	1274608	20.000	ng		0.00
76) Chrysene-d12	21.397	240	1213581	20.000	ng		0.00
86) Perylene-d12	24.403	264	1224339	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.363	112	269870	18.894	ng		0.00
7) Phenol-d6	6.957	99	329701	18.366	ng		0.00
23) Nitrobenzene-d5	8.928	82	346334	18.420	ng		0.00
42) 2,4,6-Tribromophenol	15.910	330	158339	16.820	ng		0.00
45) 2-Fluorobiphenyl	13.027	172	989917	18.394	ng		0.00
79) Terphenyl-d14	19.780	244	1443528	17.601	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.257	88	58048	9.478	ng		98
3) Pyridine	3.663	79	145801	9.266	ng		98
4) n-Nitrosodimethylamine	3.569	42	57404	9.302	ng	#	93
6) Aniline	7.098	93	211256	9.319	ng		100
8) 2-Chlorophenol	7.339	128	145228	9.404	ng		99
9) Benzaldehyde	6.916	77	115030m	9.587	ng		
10) Phenol	6.981	94	168041	9.246	ng		99
11) bis(2-Chloroethyl)ether	7.192	93	138197	9.107	ng		100
12) 1,3-Dichlorobenzene	7.657	146	178565	9.572	ng		96
13) 1,4-Dichlorobenzene	7.804	146	177312	9.461	ng		99
14) 1,2-Dichlorobenzene	8.122	146	174224	9.624	ng		100
15) Benzyl Alcohol	8.022	79	110234	8.854	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.292	45	177776	9.637	ng		97
17) 2-Methylphenol	8.228	107	111639	9.325	ng		99
18) Hexachloroethane	8.845	117	63487	9.530	ng		98
19) n-Nitroso-di-n-propyla...	8.575	70	110641	9.609	ng		98
20) 3+4-Methylphenols	8.563	107	146303	9.049	ng		99
22) Acetophenone	8.592	105	214790	9.325	ng		98
24) Nitrobenzene	8.969	77	150534	9.259	ng		99
25) Isophorone	9.498	82	300179	9.366	ng		99
26) 2-Nitrophenol	9.686	139	72521	8.732	ng		97
27) 2,4-Dimethylphenol	9.757	122	123406	8.960	ng		97
28) bis(2-Chloroethoxy)met...	9.975	93	184837	9.331	ng		99
29) 2,4-Dichlorophenol	10.245	162	137916	8.938	ng		99
30) 1,2,4-Trichlorobenzene	10.428	180	177721	9.453	ng		97
31) Naphthalene	10.610	128	444206	9.467	ng		99
32) Benzoic acid	9.875	122	63971m	7.282	ng		
33) 4-Chloroaniline	10.739	127	181907	9.458	ng		99
34) Hexachlorobutadiene	10.898	225	111307	9.327	ng		99
35) Caprolactam	11.516	113	39344	8.745	ng		94
36) 4-Chloro-3-methylphenol	11.880	107	131076	9.194	ng		98
37) 2-Methylnaphthalene	12.227	142	296053	9.411	ng		97
38) 1-Methylnaphthalene	12.451	142	312512	9.387	ng		97
40) 1,2,4,5-Tetrachloroben...	12.604	216	197943	8.981	ng		99
41) Hexachlorocyclopentadiene	12.580	237	96522	7.166	ng		99
43) 2,4,6-Trichlorophenol	12.857	196	121240	8.673	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050026.D
Acq On : 28 Apr 2025 13:48
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

Quant Time: Apr 28 17:54:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.945	196	132882	8.815	ng		96
46) 1,1'-Biphenyl	13.245	154	443960	9.381	ng		99
47) 2-Chloronaphthalene	13.286	162	354101	9.447	ng		99
48) 2-Nitroaniline	13.498	65	77101	8.764	ng		94
49) Acenaphthylene	14.133	152	545774	9.235	ng		100
50) Dimethylphthalate	13.868	163	438261	9.419	ng		99
51) 2,6-Dinitrotoluene	13.992	165	86242	8.953	ng		98
52) Acenaphthene	14.474	154	317735	9.288	ng		98
53) 3-Nitroaniline	14.333	138	78720	8.559	ng	#	99
54) 2,4-Dinitrophenol	14.563	184	31979	10.558	ng		96
55) Dibenzofuran	14.810	168	535023	9.401	ng		99
56) 4-Nitrophenol	14.710	139	40722	9.668	ng		96
57) 2,4-Dinitrotoluene	14.792	165	116476	8.750	ng		95
58) Fluorene	15.462	166	427384	9.174	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.051	232	115185	8.828	ng		98
60) Diethylphthalate	15.233	149	414149	9.447	ng		100
61) 4-Chlorophenyl-phenyle...	15.457	204	227926	8.908	ng		94
62) 4-Nitroaniline	15.498	138	74565m	8.397	ng		
63) Azobenzene	15.745	77	347347	9.454	ng		99
65) 4,6-Dinitro-2-methylph...	15.562	198	56182	7.042	ng		93
66) n-Nitrosodiphenylamine	15.668	169	364601	9.315	ng		99
67) 4-Bromophenyl-phenylether	16.351	248	137532	8.923	ng		99
68) Hexachlorobenzene	16.468	284	160195	9.016	ng		99
69) Atrazine	16.621	200	126168	8.937	ng		98
70) Pentachlorophenol	16.827	266	74839	7.483	ng		95
71) Phenanthrene	17.198	178	659374	9.172	ng		100
72) Anthracene	17.292	178	661260	9.089	ng		99
73) Carbazole	17.568	167	573667	9.087	ng		99
74) Di-n-butylphthalate	18.121	149	689248	9.168	ng		99
75) Fluoranthene	19.221	202	727607	8.621	ng		99
77) Benzidine	19.415	184	339970	7.887	ng		99
78) Pyrene	19.586	202	761625	8.937	ng		99
80) Butylbenzylphthalate	20.474	149	290617	9.105	ng		93
81) Benzo(a)anthracene	21.380	228	747128	8.940	ng		100
82) 3,3'-Dichlorobenzidine	21.309	252	262017	8.190	ng		100
83) Chrysene	21.444	228	709862	9.178	ng		99
84) Bis(2-ethylhexyl)phtha...	21.297	149	439949	9.228	ng		98
85) Di-n-octyl phthalate	22.427	149	726208	9.236	ng		99
87) Indeno(1,2,3-cd)pyrene	27.791	276	791344	8.674	ng		99
88) Benzo(b)fluoranthene	23.450	252	703118	8.831	ng		98
89) Benzo(k)fluoranthene	23.515	252	704142	8.741	ng		99
90) Benzo(a)pyrene	24.262	252	652617	8.751	ng		99
91) Dibenzo(a,h)anthracene	27.844	278	638913	8.591	ng		98
92) Benzo(g,h,i)perylene	28.850	276	630261	8.852	ng		99

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

ICAL Form

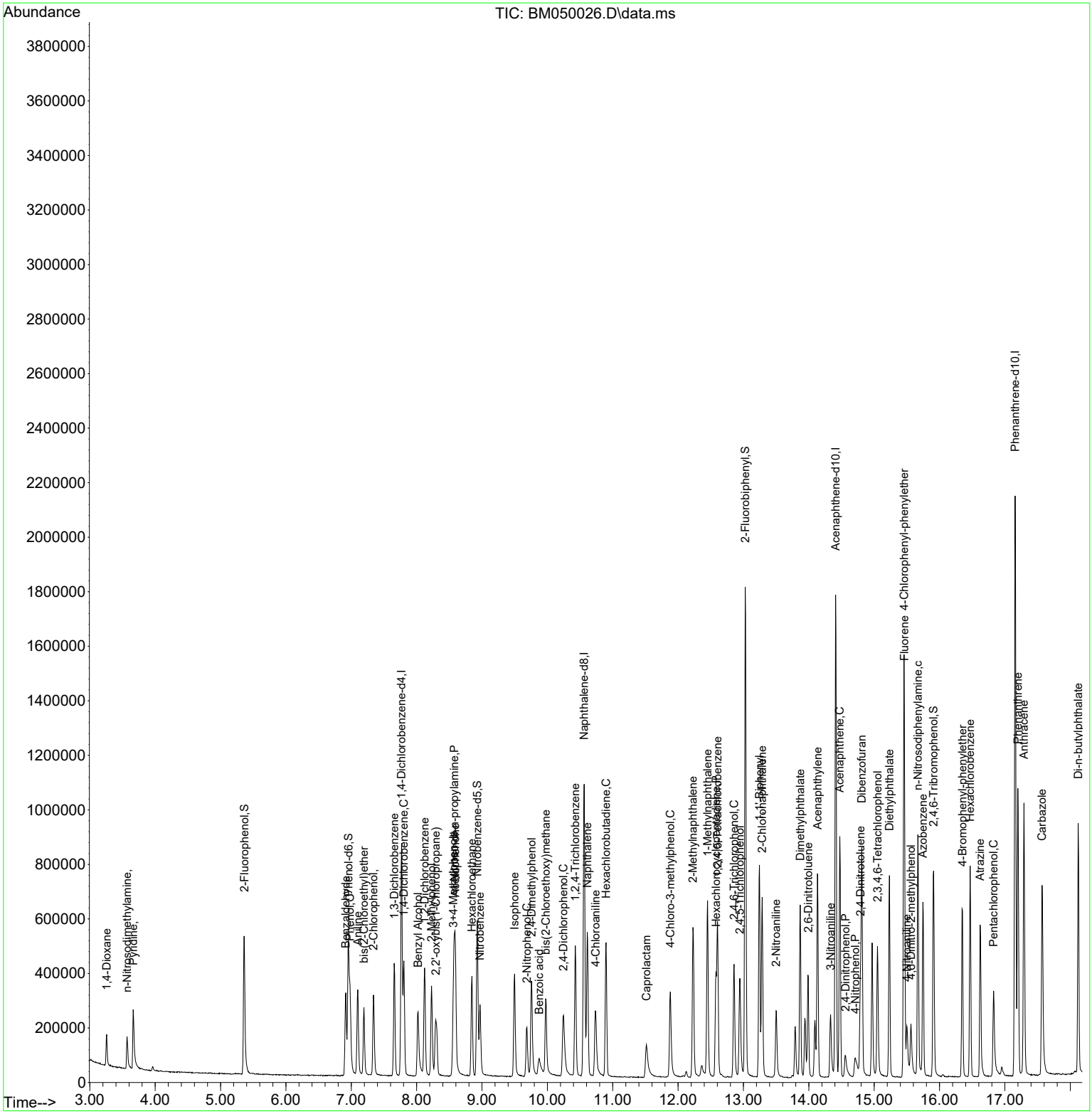
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050026.D
Acq On : 28 Apr 2025 13:48
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 28 17:54:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050026.D
Acq On : 28 Apr 2025 13:48
Operator : RC/JU
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Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 28 17:54:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/29/2025
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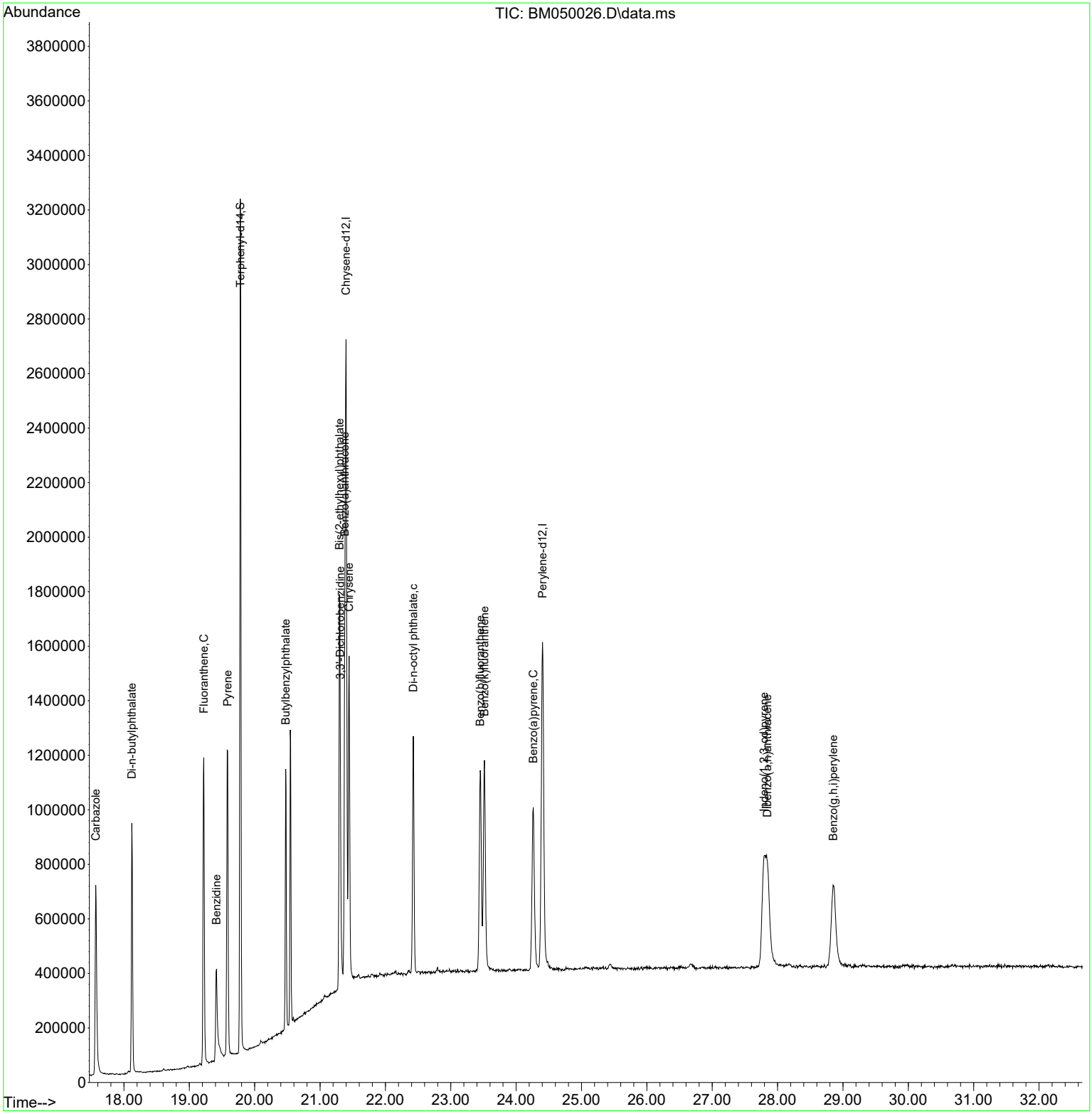
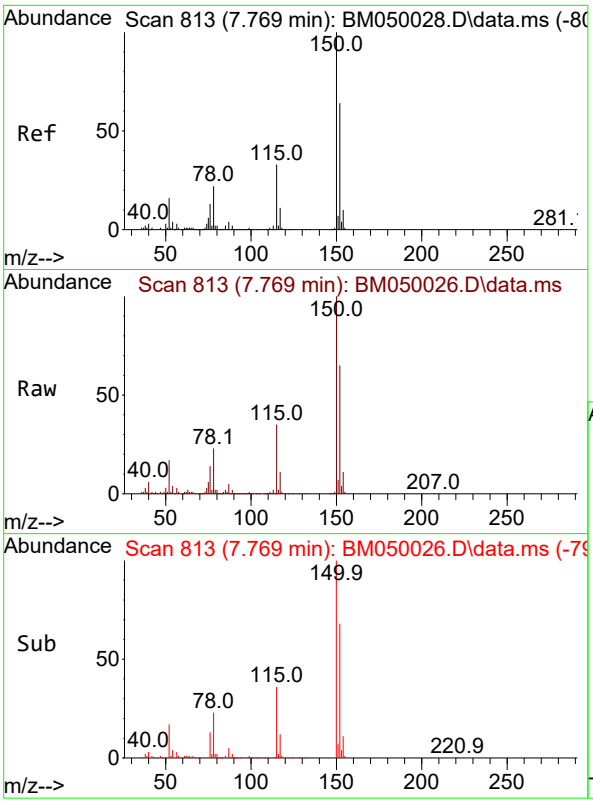
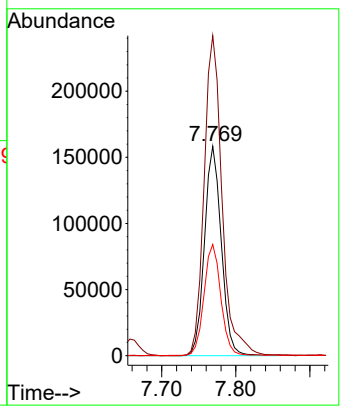




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:152 Resp: 25011

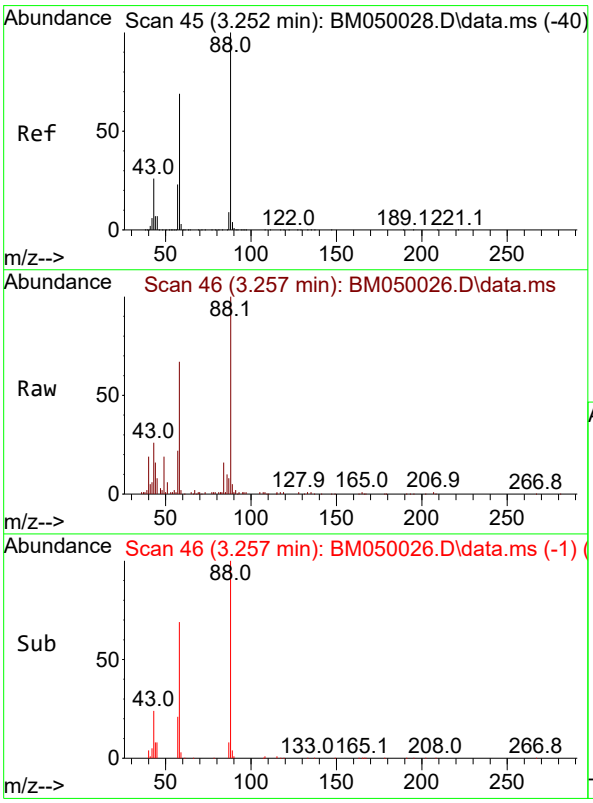
Ion	Ratio	Lower	Upper
152	100		
150	152.8	124.1	186.1
115	53.1	41.2	61.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

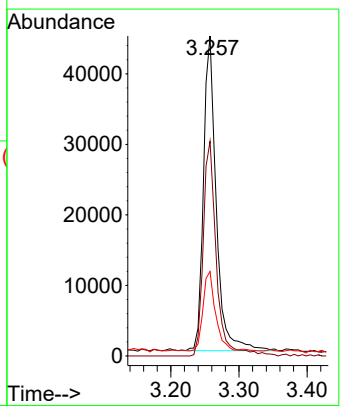
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

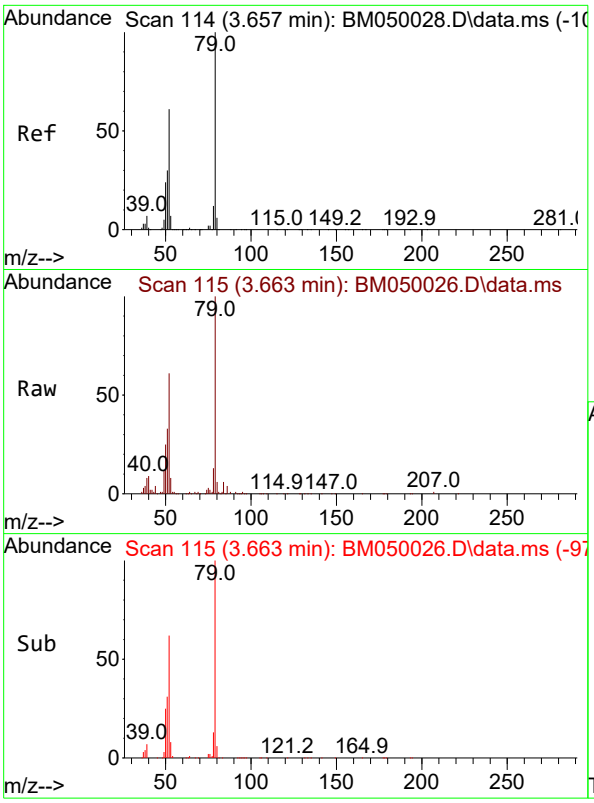


#2
1,4-Dioxane
Concen: 9.478 ng
RT: 3.257 min Scan# 46
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion: 88 Resp: 58048

Ion	Ratio	Lower	Upper
88	100		
58	70.3	55.1	82.7
43	24.7	20.9	31.3

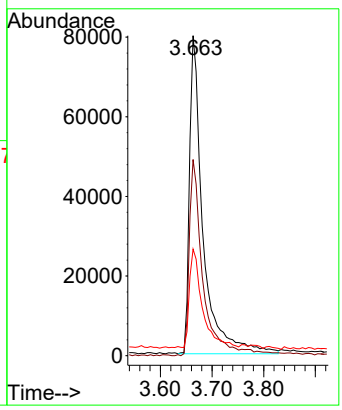




#3
Pyridine
Concen: 9.266 ng
RT: 3.663 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion: 79 Resp: 14580

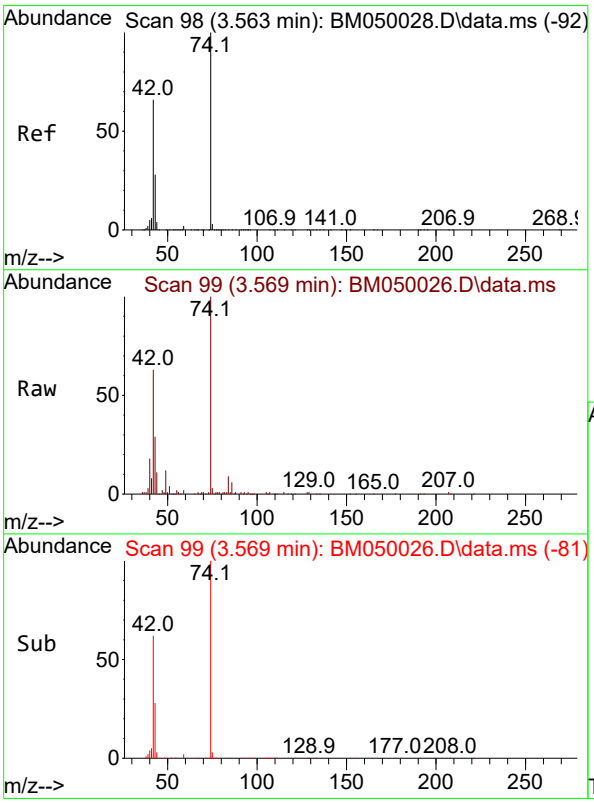
Ion	Ratio	Lower	Upper
79	100		
52	61.3	48.6	72.8
51	33.3	24.6	37.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

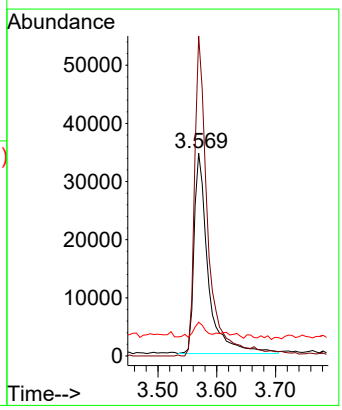
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

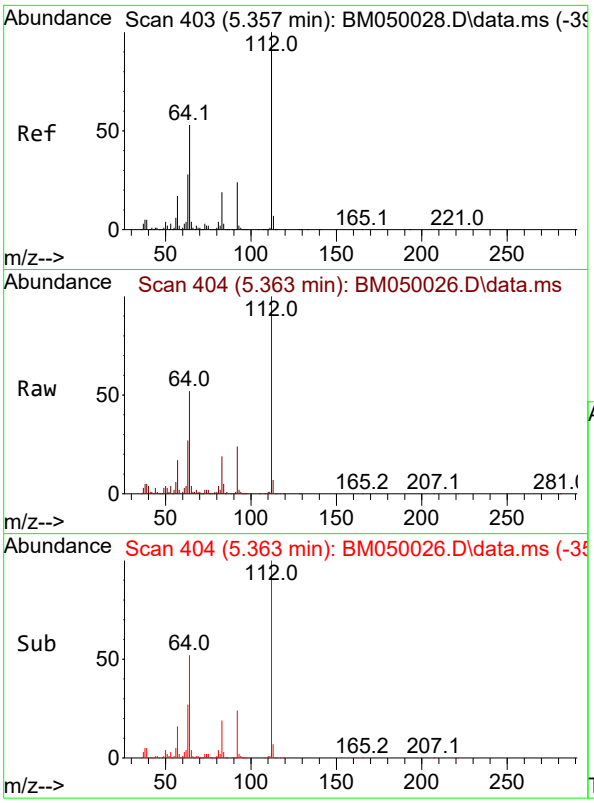


#4
n-Nitrosodimethylamine
Concen: 9.302 ng
RT: 3.569 min Scan# 99
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion: 42 Resp: 57404

Ion	Ratio	Lower	Upper
42	100		
74	157.9	120.2	180.2
44	16.6	6.2	9.2#





#5
2-Fluorophenol
Concen: 18.894 ng
RT: 5.363 min Scan# 4(
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

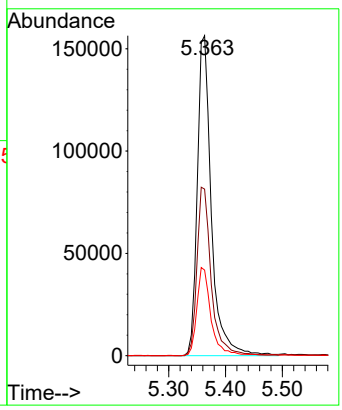
Tgt Ion:112 Resp: 26987(

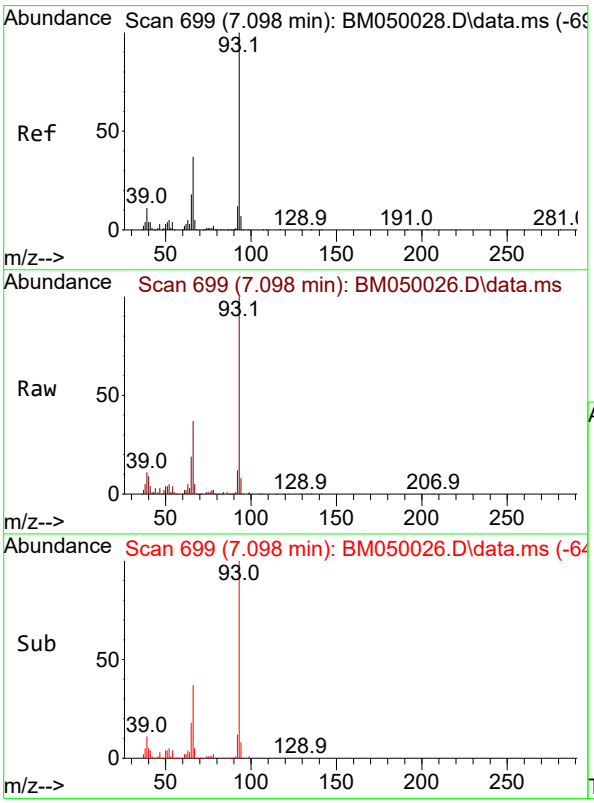
Ion	Ratio	Lower	Upper
112	100		
64	52.1	42.6	64.0
63	26.8	22.2	33.4

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

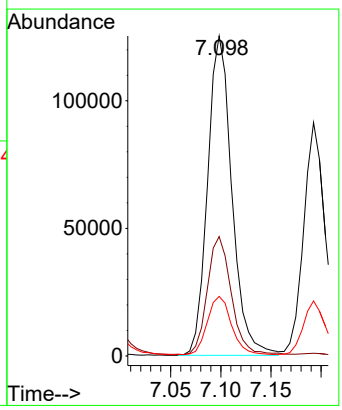


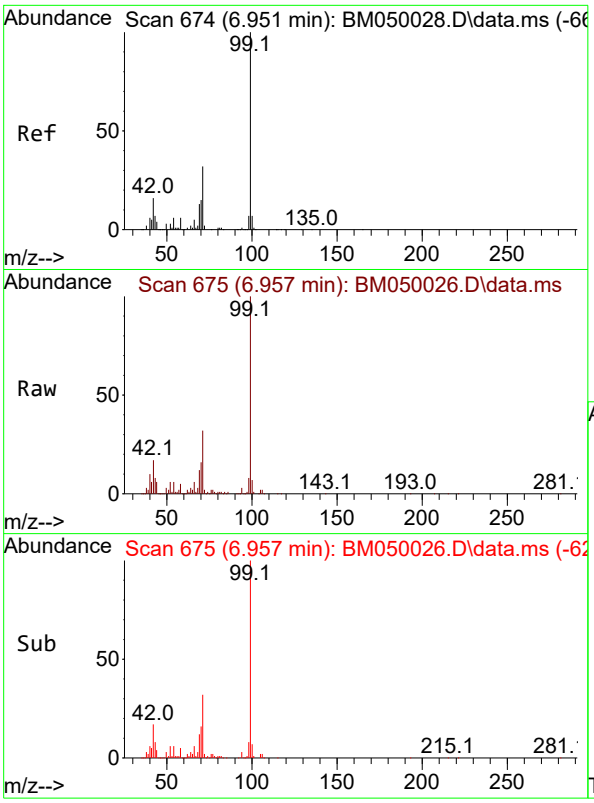


#6
Aniline
Concen: 9.319 ng
RT: 7.098 min Scan# 699
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion: 93 Resp: 211256

Ion	Ratio	Lower	Upper
93	100		
66	37.3	29.9	44.9
65	18.6	14.5	21.7

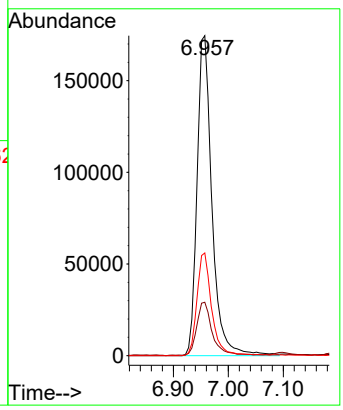




#7
Phenol-d6
Concen: 18.366 ng
RT: 6.957 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion: 99 Resp: 32970

Ion	Ratio	Lower	Upper
99	100		
42	16.7	13.0	19.4
71	32.1	25.6	38.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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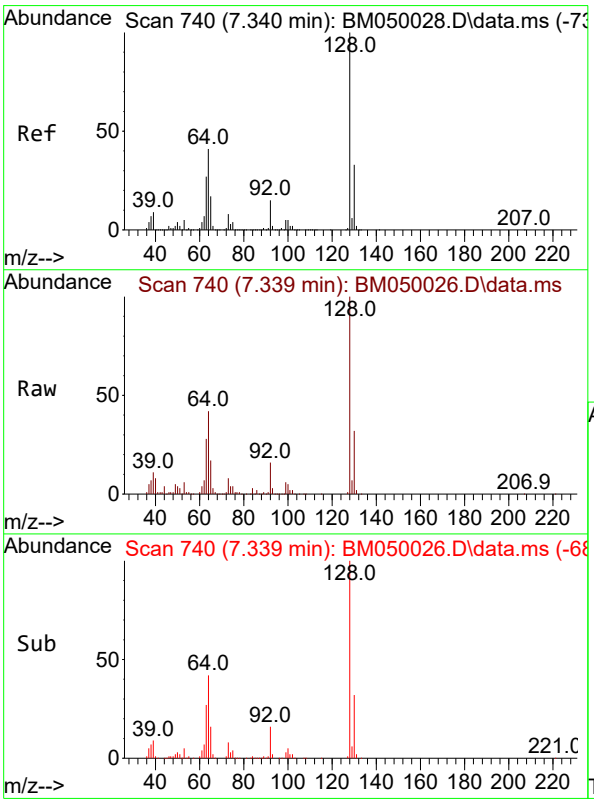
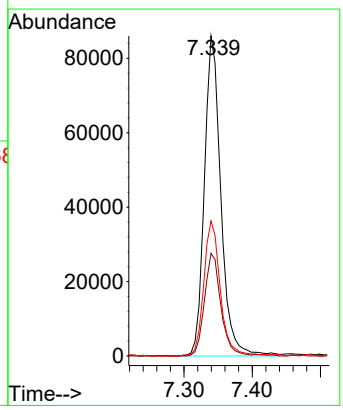
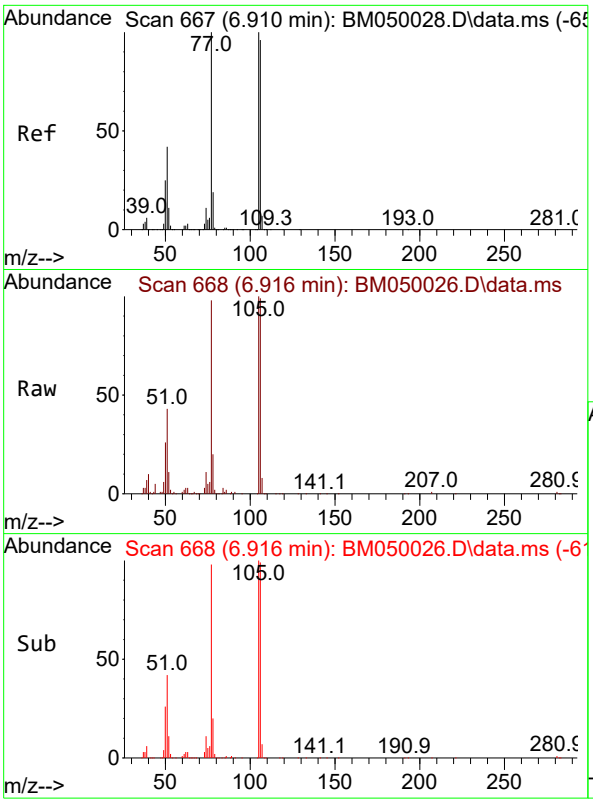


#8
2-Chlorophenol
Concen: 9.404 ng
RT: 7.339 min Scan# 740
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:128 Resp: 145228

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.8	52.8
64	42.2	21.2	61.2

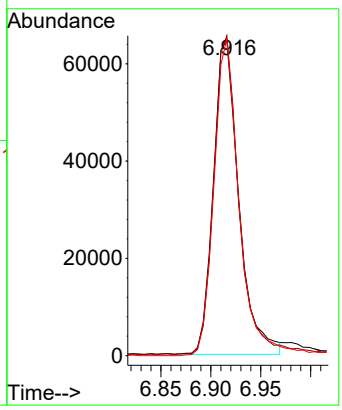




#9
Benzaldehyde
Concen: 9.587 ng m
RT: 6.916 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion: 77 Resp: 11503

Ion	Ratio	Lower	Upper
77	100		
105	101.6	80.5	120.5
106	100.5	76.1	116.1



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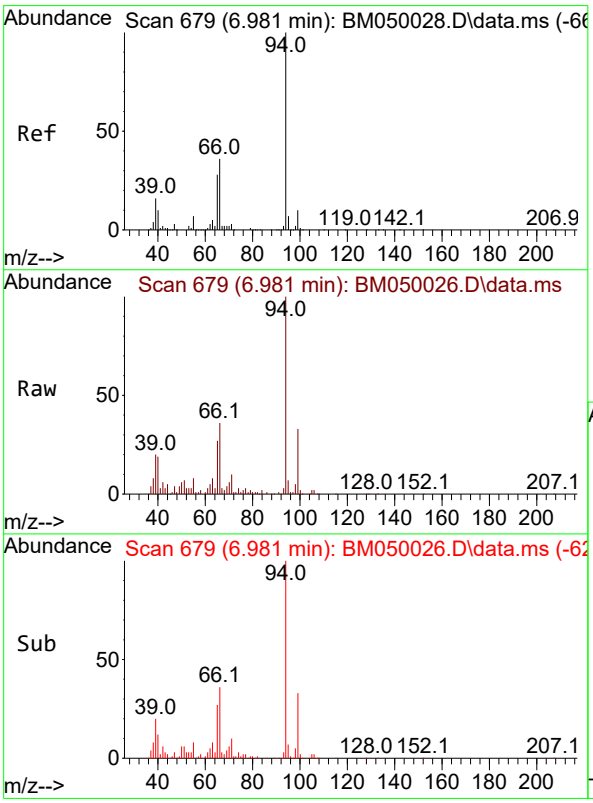
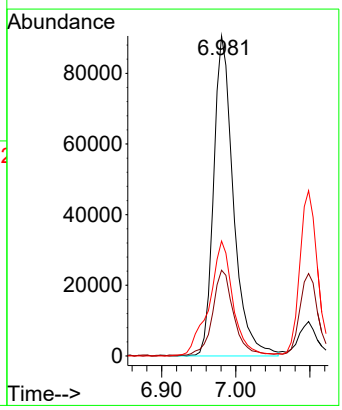
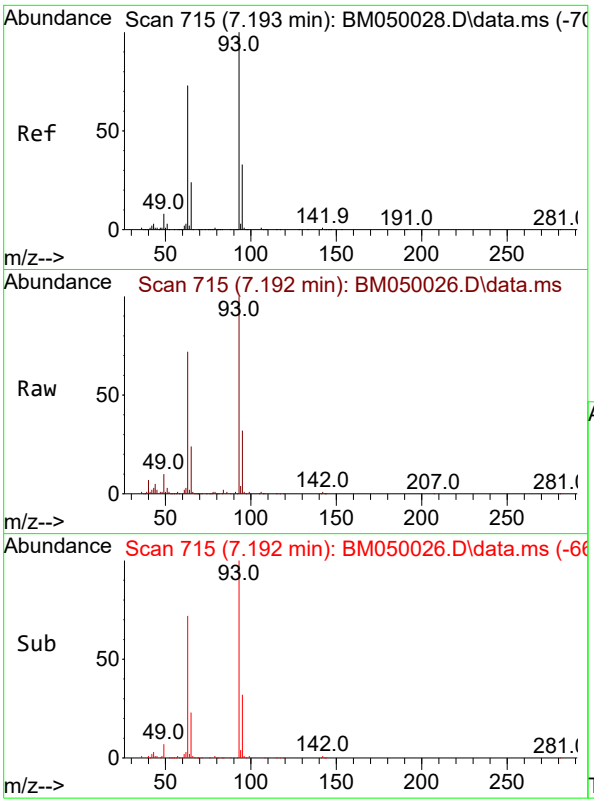


#10
Phenol
Concen: 9.246 ng
RT: 6.981 min Scan# 679
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion: 94 Resp: 168041

Ion	Ratio	Lower	Upper
94	100		
65	26.8	7.6	47.6
66	35.9	15.8	55.8

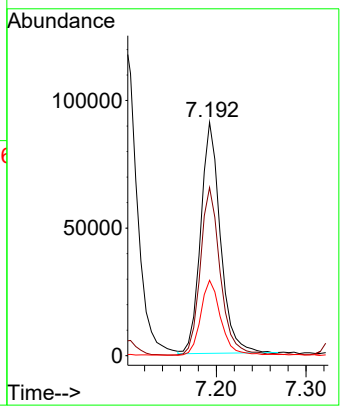




#11
bis(2-Chloroethyl)ether
Concen: 9.107 ng
RT: 7.192 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion: 93 Resp: 13819

Ion	Ratio	Lower	Upper
93	100		
63	72.0	52.3	92.3
95	32.3	12.8	52.8



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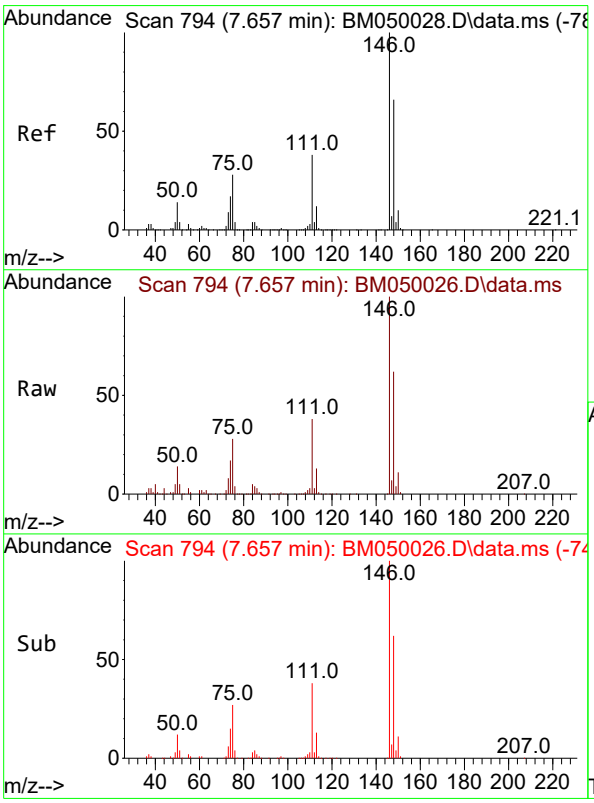
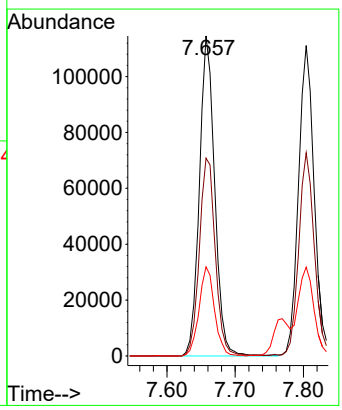
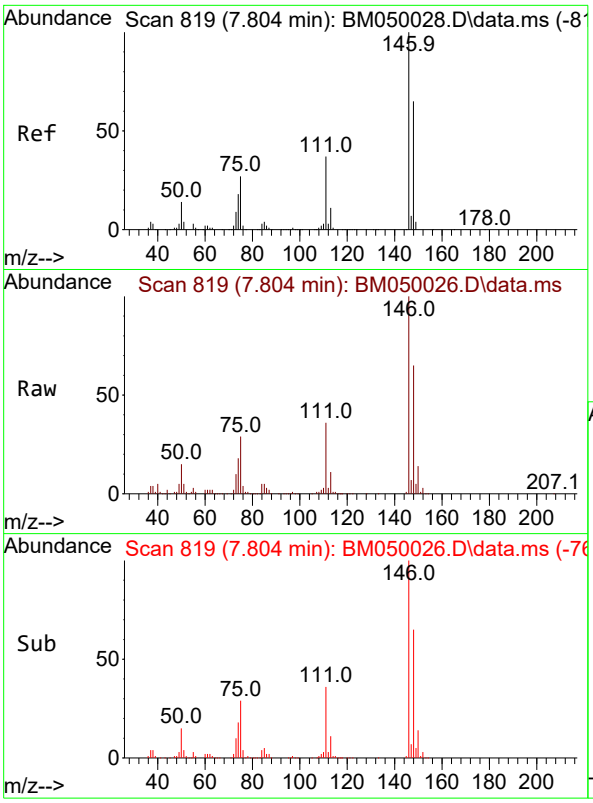


#12
1,3-Dichlorobenzene
Concen: 9.572 ng
RT: 7.657 min Scan# 794
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:146 Resp: 178565

Ion	Ratio	Lower	Upper
146	100		
148	61.8	52.5	78.7
75	27.8	22.6	34.0

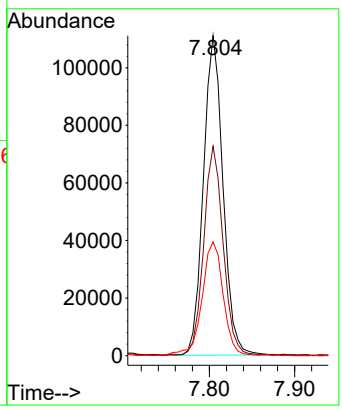




#13
1,4-Dichlorobenzene
Concen: 9.461 ng
RT: 7.804 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:146 Resp: 17731

Ion	Ratio	Lower	Upper
146	100		
148	65.5	52.2	78.2
111	35.5	29.3	43.9



Instrument :
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ClientSampleId :
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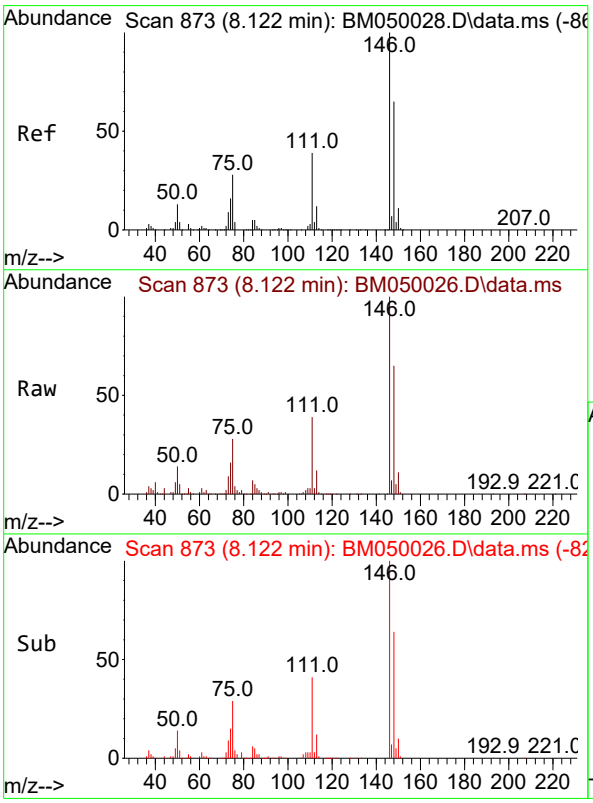
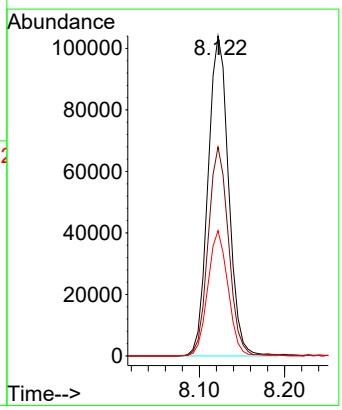
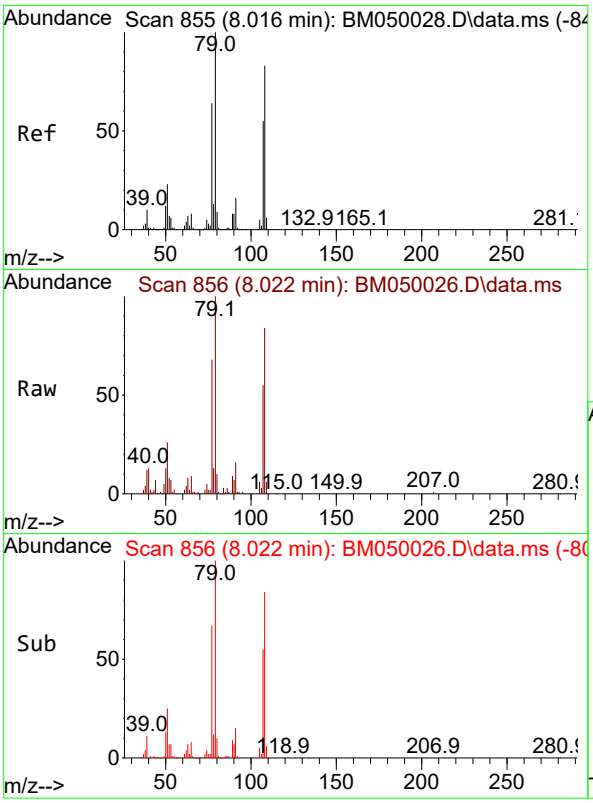


#14
1,2-Dichlorobenzene
Concen: 9.624 ng
RT: 8.122 min Scan# 873
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:146 Resp: 174224

Ion	Ratio	Lower	Upper
146	100		
148	65.3	52.4	78.6
111	39.2	31.0	46.6

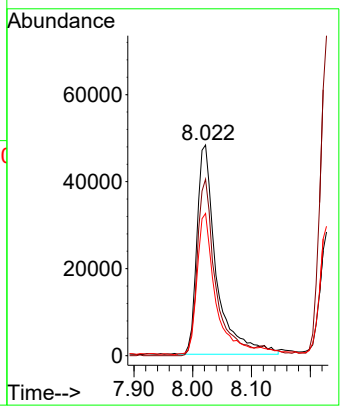




#15
Benzyl Alcohol
Concen: 8.854 ng
RT: 8.022 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion: 79 Resp: 11023

Ion	Ratio	Lower	Upper
79	100		
108	83.7	66.0	99.0
77	67.5	51.6	77.4



Instrument :
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ClientSampleId :
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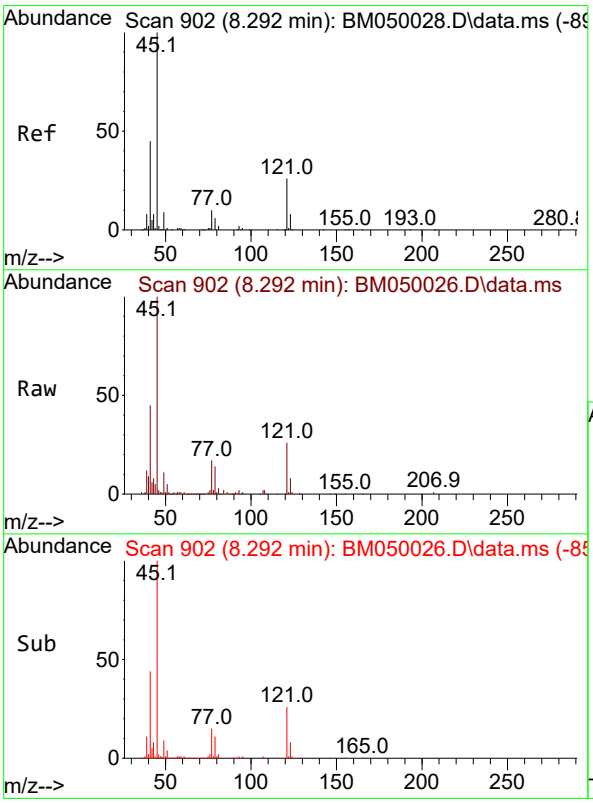
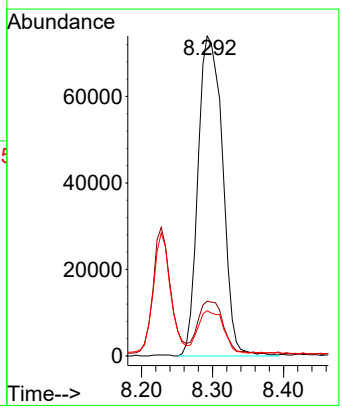
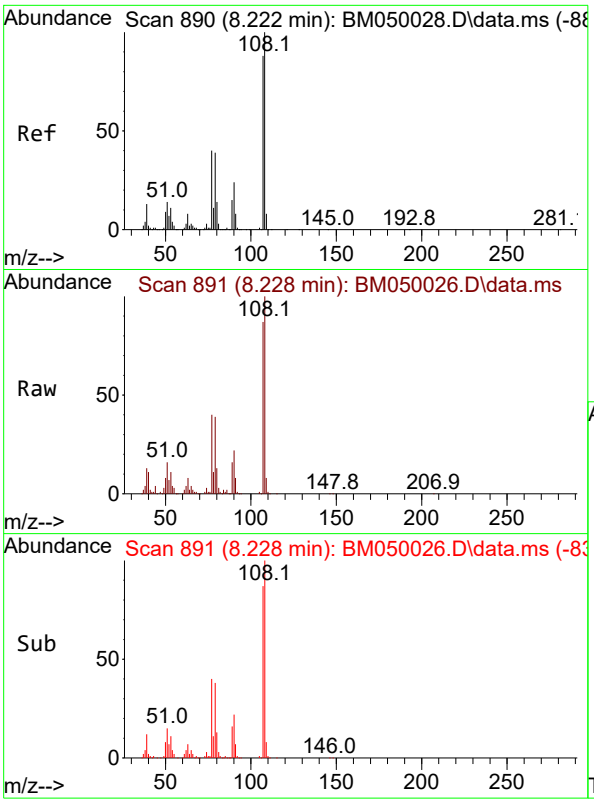


#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.637 ng
RT: 8.292 min Scan# 902
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion: 45 Resp: 177776

Ion	Ratio	Lower	Upper
45	100		
77	17.1	0.0	36.4
79	14.1	0.0	32.7

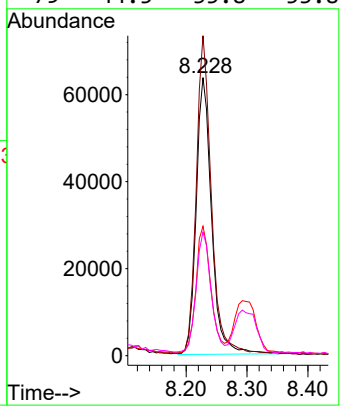




#17
2-Methylphenol
Concen: 9.325 ng
RT: 8.228 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:107 Resp: 11163

Ion	Ratio	Lower	Upper
107	100		
108	115.1	91.1	136.7
77	46.6	36.2	54.4
79	44.5	35.8	53.8



Instrument :
BNA_M
ClientSampleId :
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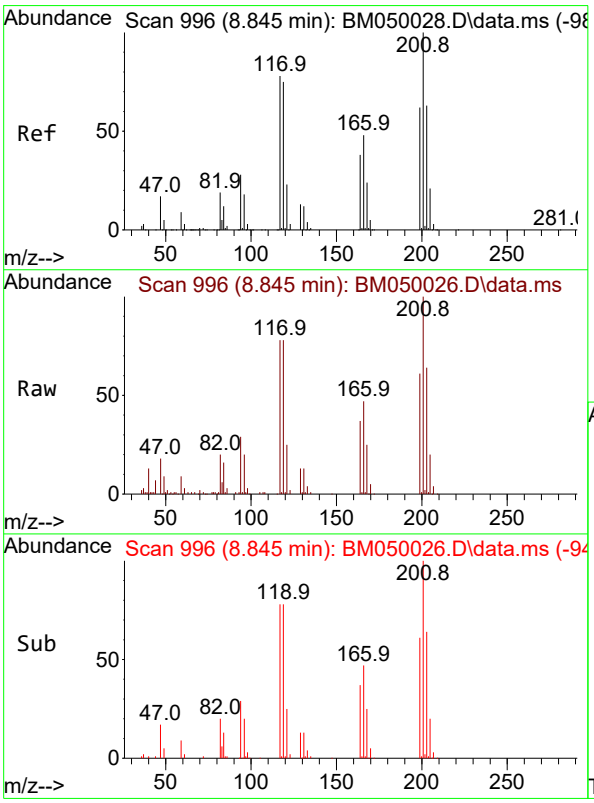
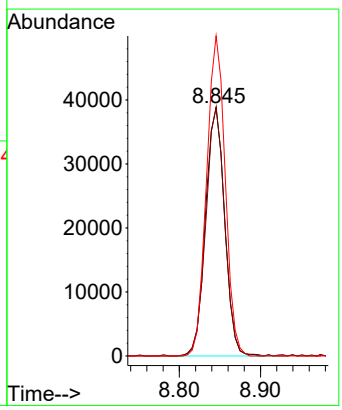
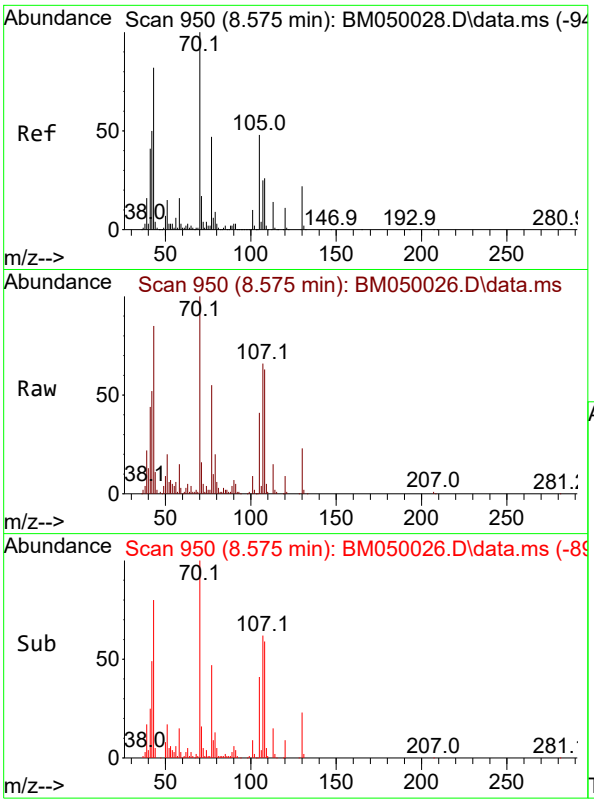


#18
Hexachloroethane
Concen: 9.530 ng
RT: 8.845 min Scan# 996
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:117 Resp: 63487

Ion	Ratio	Lower	Upper
117	100		
119	100.3	77.3	115.9
201	129.0	102.8	154.2

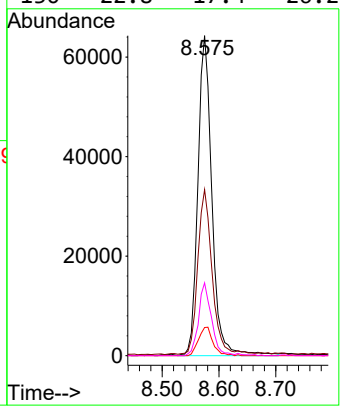




#19
n-Nitroso-di-n-propylamine
Concen: 9.609 ng
RT: 8.575 min Scan# 9
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion: 70 Resp: 11064

Ion	Ratio	Lower	Upper
70	100		
42	51.9	40.5	60.7
101	8.8	7.8	11.6
130	22.8	17.4	26.2



Instrument :
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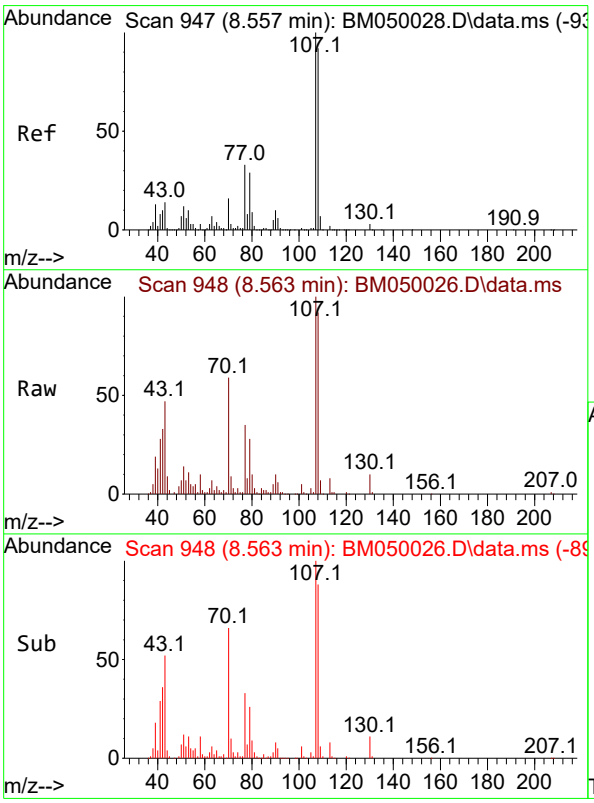
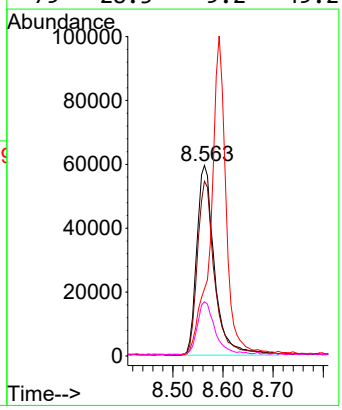
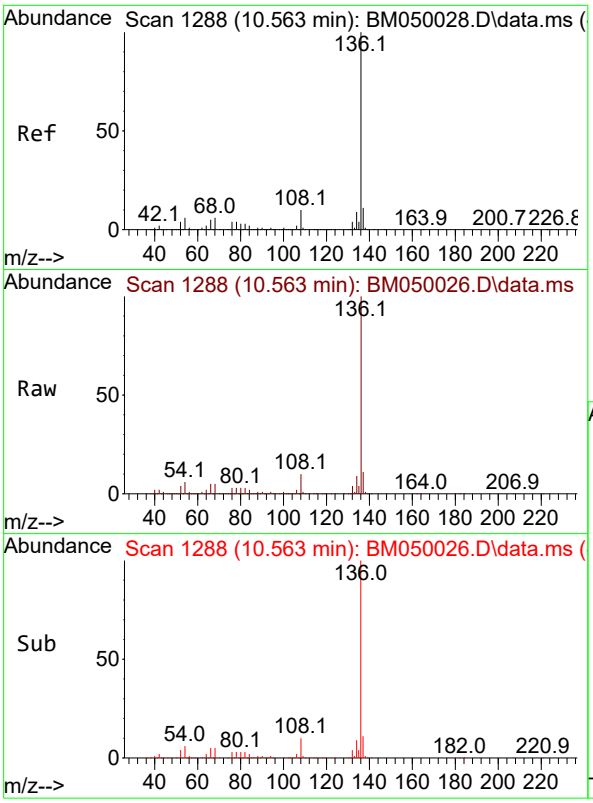


#20
3+4-Methylphenols
Concen: 9.049 ng
RT: 8.563 min Scan# 948
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:107 Resp: 146303

Ion	Ratio	Lower	Upper
107	100		
108	91.7	72.4	112.4
77	35.2	13.6	53.6
79	28.5	9.2	49.2

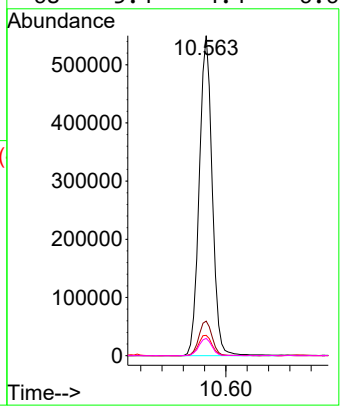




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:136 Resp: 92651

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.3	5.1	7.7
68	5.4	4.4	6.6



Instrument :
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ClientSampleId :
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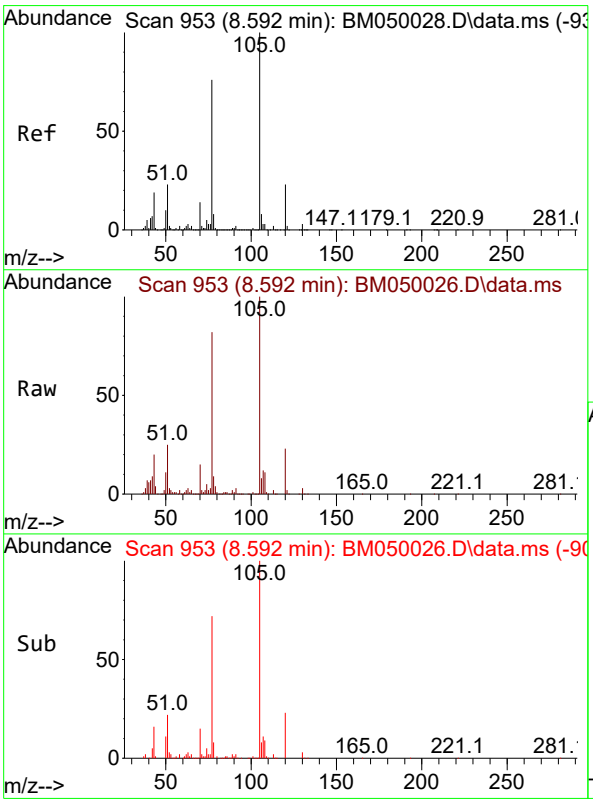
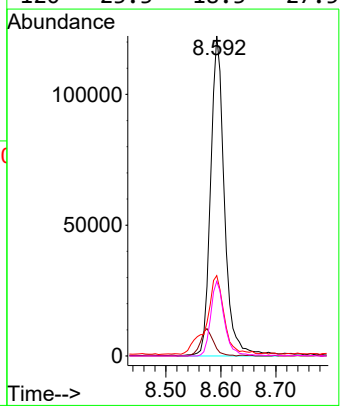
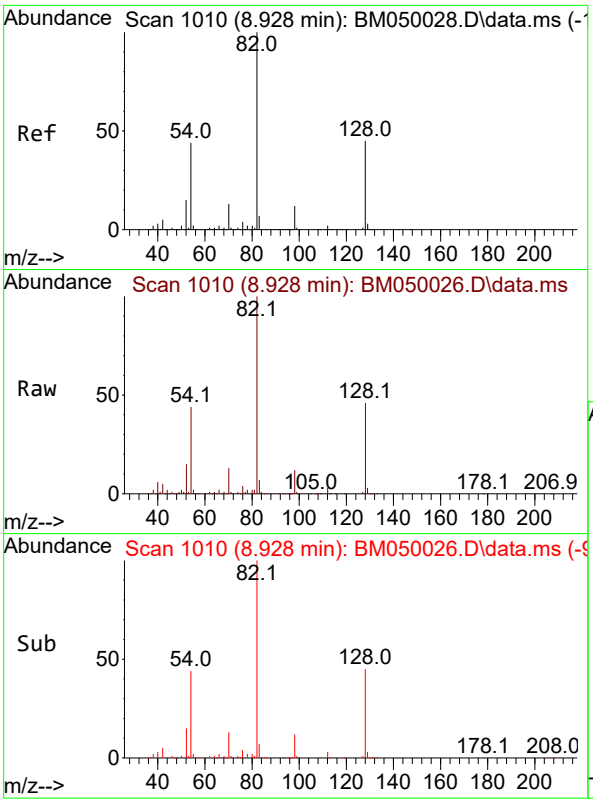


#22
Acetophenone
Concen: 9.325 ng
RT: 8.592 min Scan# 953
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:105 Resp: 214790

Ion	Ratio	Lower	Upper
105	100		
71	2.3	1.7	2.5
51	25.1	18.6	27.8
120	23.3	18.3	27.5

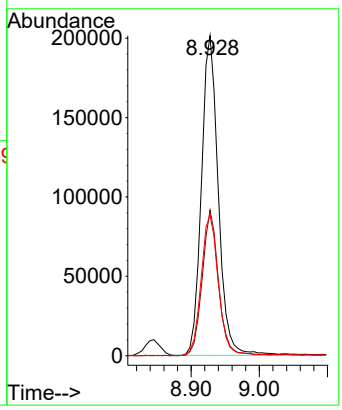




#23
Nitrobenzene-d5
Concen: 18.420 ng
RT: 8.928 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion: 82 Resp: 34633

Ion	Ratio	Lower	Upper
82	100		
128	45.5	35.7	53.5
54	43.9	35.4	53.2



Instrument :
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ClientSampleId :
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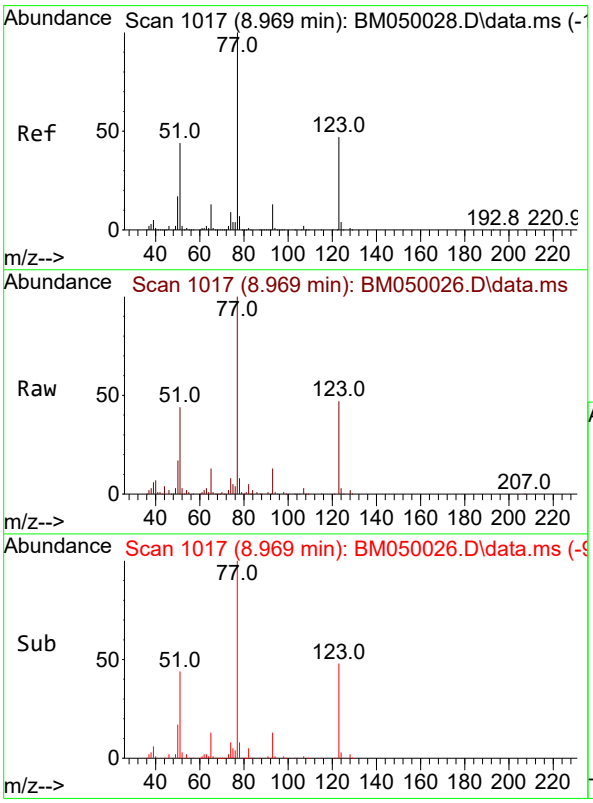
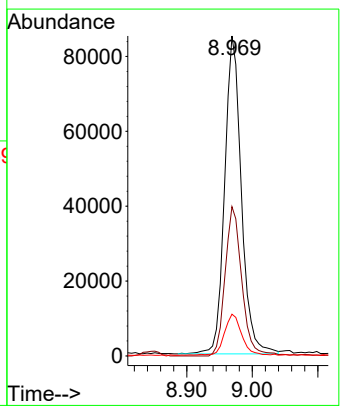
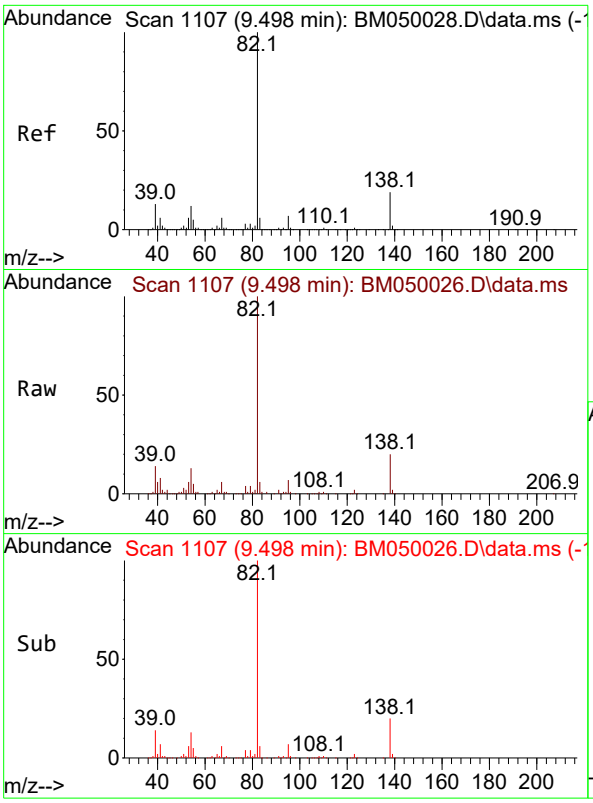


#24
Nitrobenzene
Concen: 9.259 ng
RT: 8.969 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion: 77 Resp: 150534

Ion	Ratio	Lower	Upper
77	100		
123	46.6	37.9	56.9
65	13.0	10.1	15.1

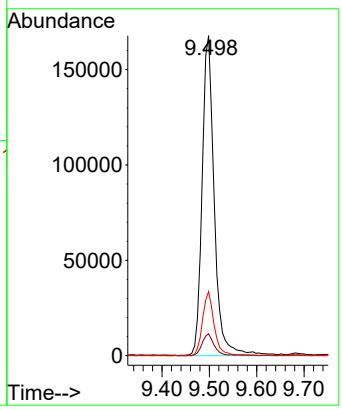




#25
Isophorone
Concen: 9.366 ng
RT: 9.498 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion: 82 Resp: 300179

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.7	8.5
138	20.1	15.5	23.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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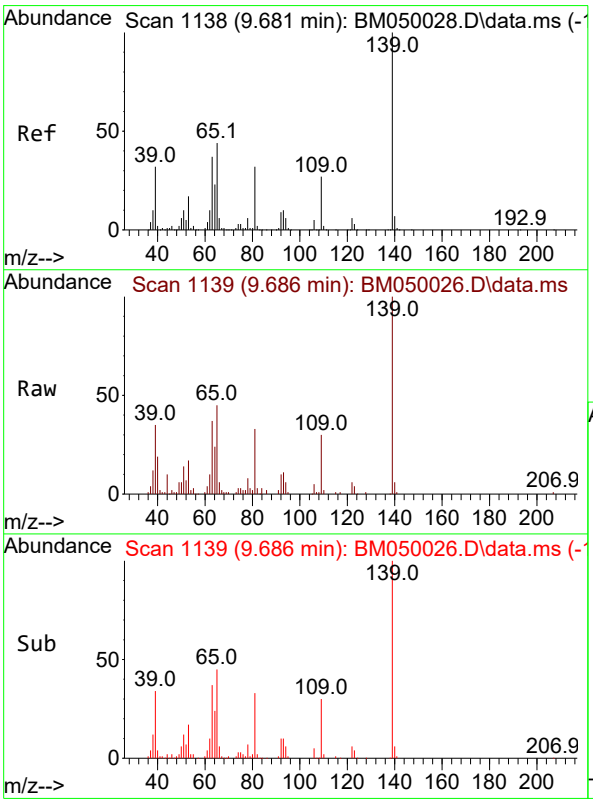
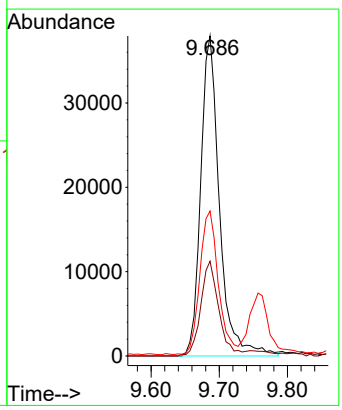
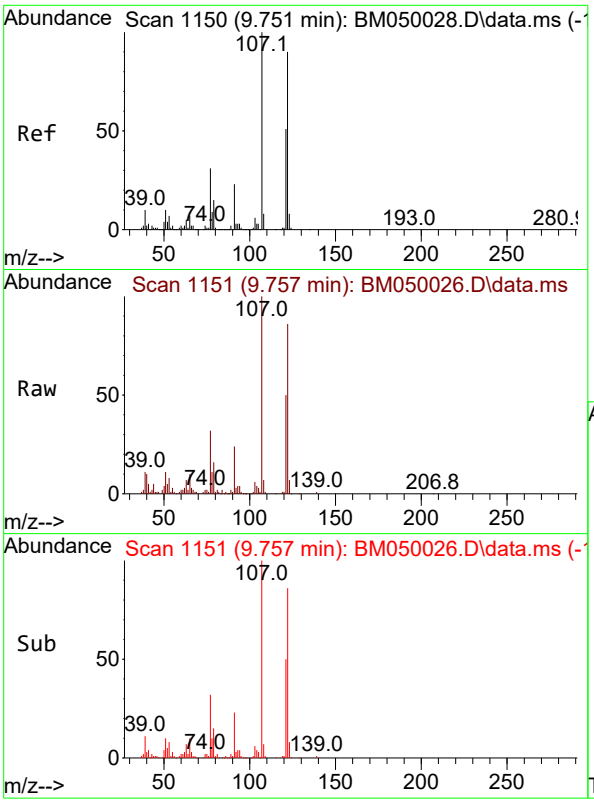


#26
2-Nitrophenol
Concen: 8.732 ng
RT: 9.686 min Scan# 1139
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:139 Resp: 72521

Ion	Ratio	Lower	Upper
139	100		
109	29.6	21.9	32.9
65	45.3	35.4	53.2

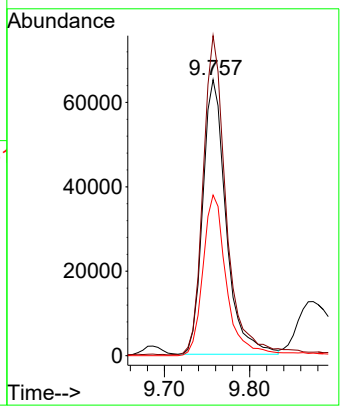




#27
2,4-Dimethylphenol
Concen: 8.960 ng
RT: 9.757 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:122 Resp: 12340

Ion	Ratio	Lower	Upper
122	100		
107	115.9	89.0	133.6
121	58.2	45.6	68.4



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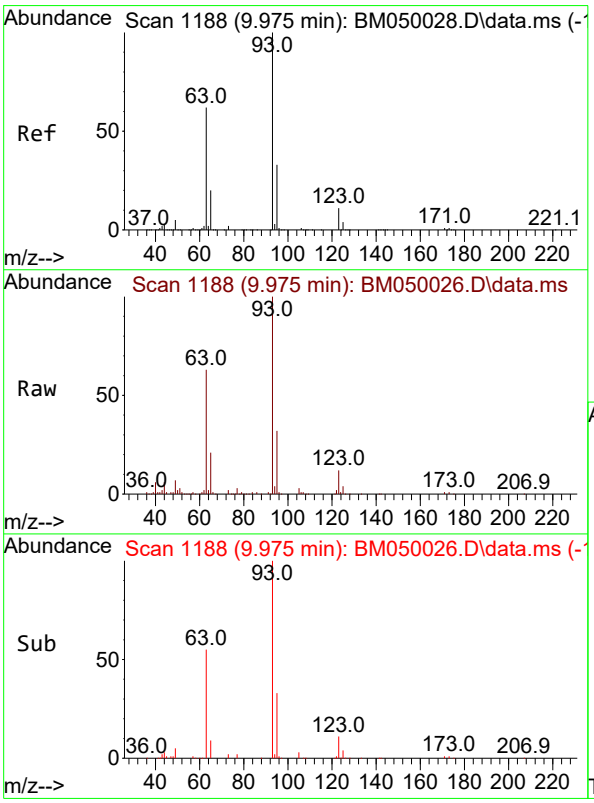
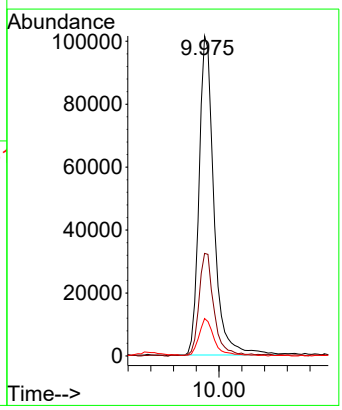
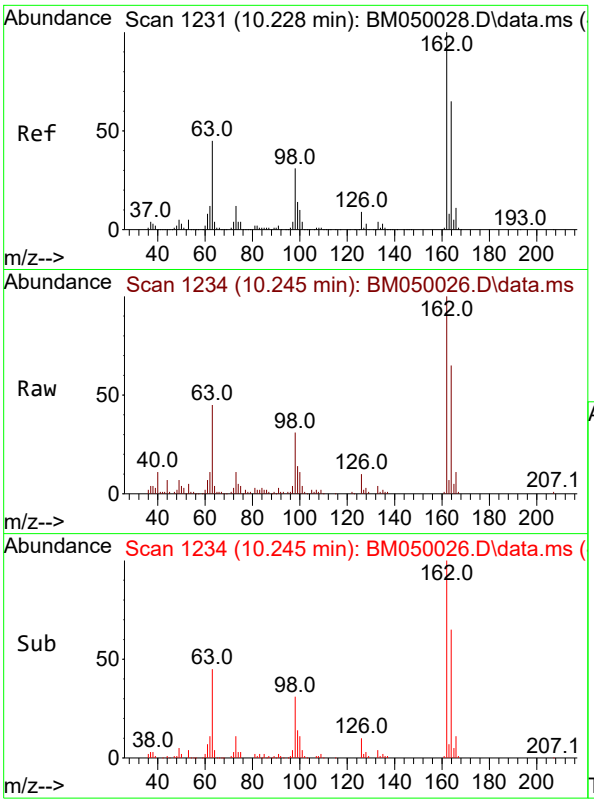


#28
bis(2-Chloroethoxy)methane
Concen: 9.331 ng
RT: 9.975 min Scan# 1188
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion: 93 Resp: 184837

Ion	Ratio	Lower	Upper
93	100		
95	32.0	26.1	39.1
123	11.7	9.5	14.3

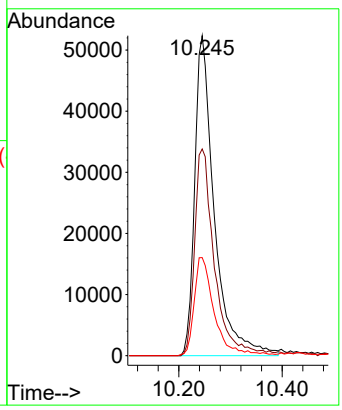




#29
2,4-Dichlorophenol
Concen: 8.938 ng
RT: 10.245 min Scan# 1
Delta R.T. 0.018 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:162 Resp: 13791

Ion	Ratio	Lower	Upper
162	100		
164	64.6	45.4	85.4
98	30.7	11.3	51.3



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ClientSampleId :
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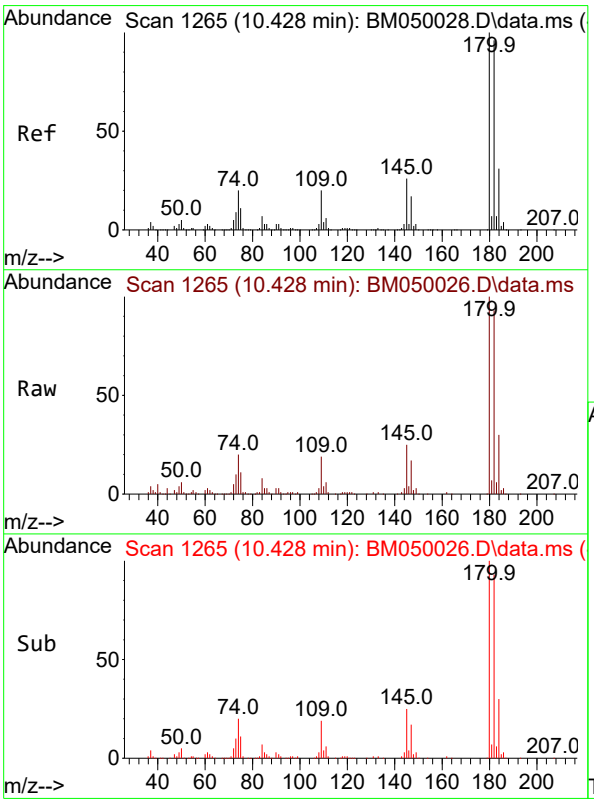
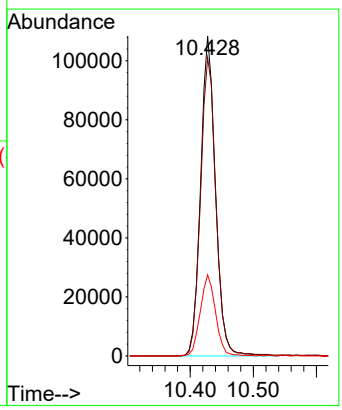
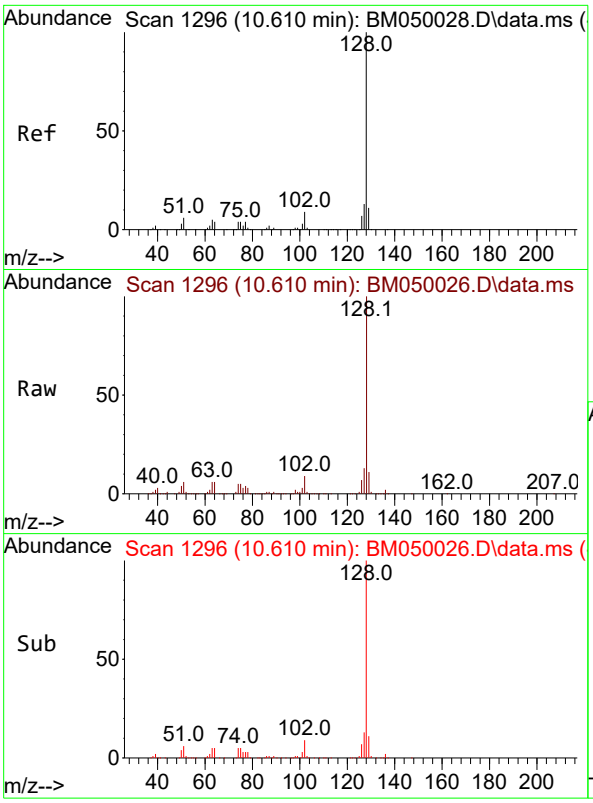


#30
1,2,4-Trichlorobenzene
Concen: 9.453 ng
RT: 10.428 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:180 Resp: 177721

Ion	Ratio	Lower	Upper
180	100		
182	93.2	77.0	115.4
145	25.3	20.6	30.8

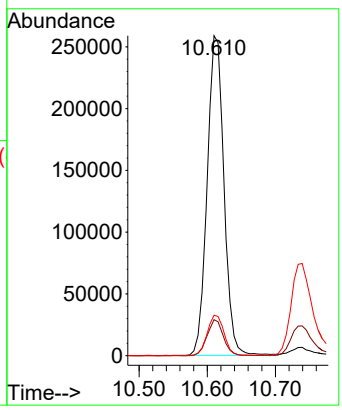




#31
Naphthalene
Concen: 9.467 ng
RT: 10.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:128 Resp: 44420

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	12.7	10.4	15.6



Instrument :
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ClientSampleId :
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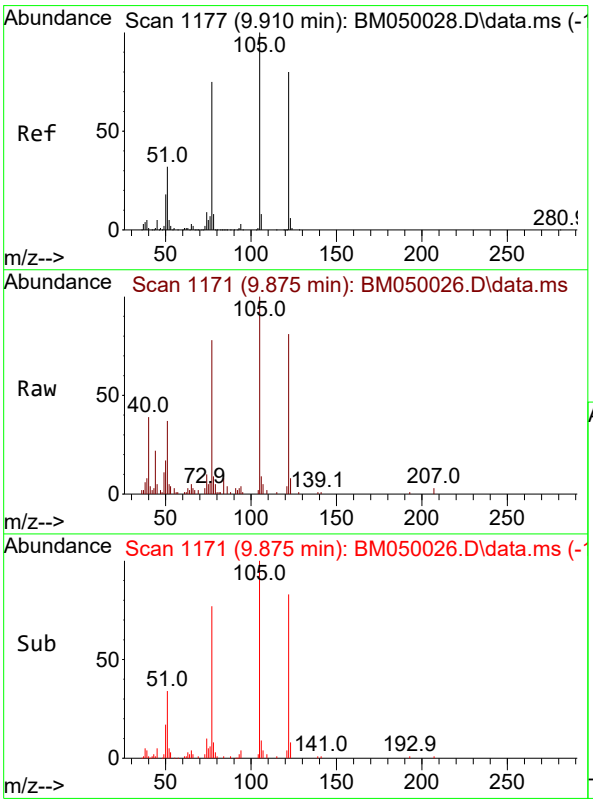
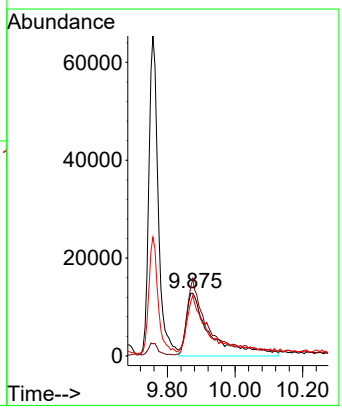
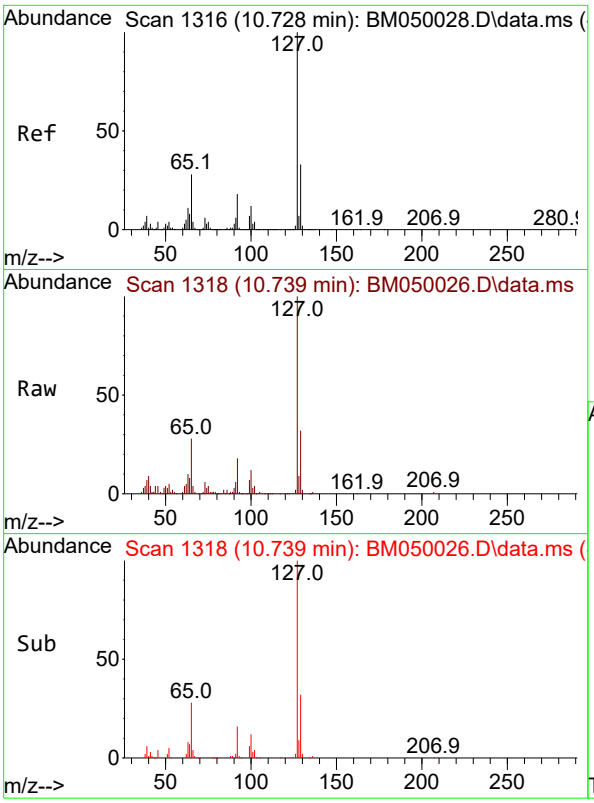


#32
Benzoic acid
Concen: 7.282 ng m
RT: 9.875 min Scan# 1171
Delta R.T. -0.035 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:122 Resp: 63971

Ion	Ratio	Lower	Upper
122	100		
105	123.3	103.6	143.6
77	96.2	73.7	113.7

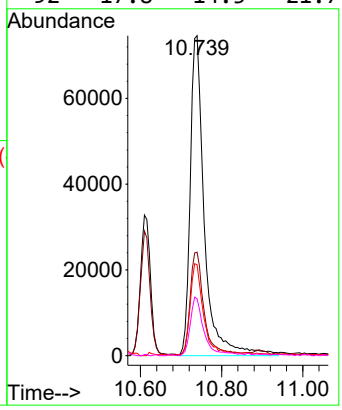




#33
4-Chloroaniline
Concen: 9.458 ng
RT: 10.739 min Scan# 1
Delta R.T. 0.012 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:127 Resp: 18190

Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.3	39.5
65	28.4	22.5	33.7
92	17.8	14.5	21.7



Instrument :
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ClientSampleId :
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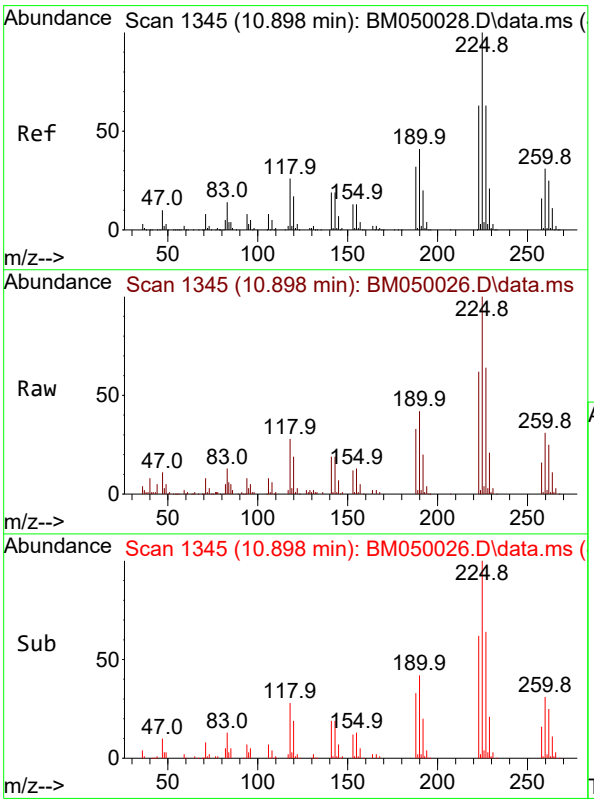
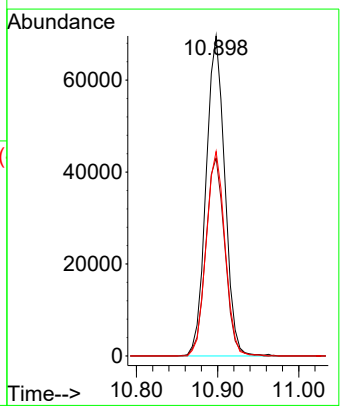
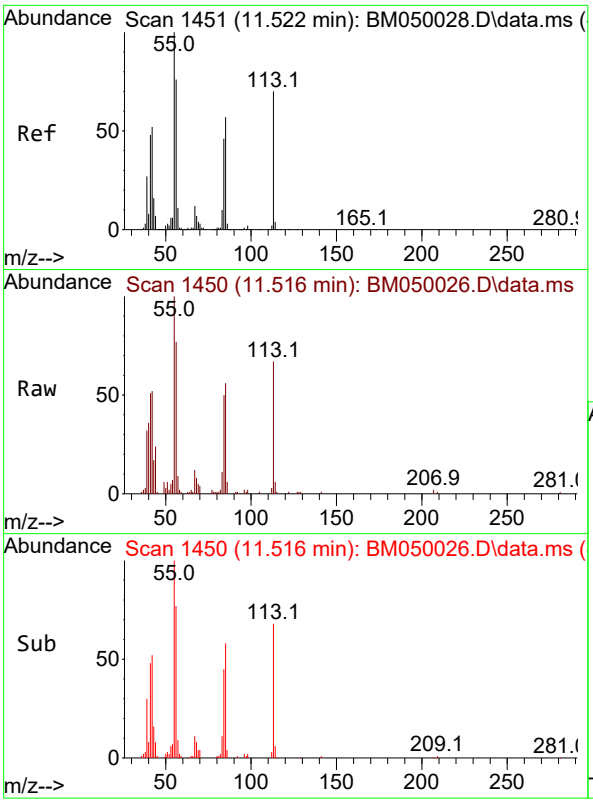


#34
Hexachlorobutadiene
Concen: 9.327 ng
RT: 10.898 min Scan# 1345
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:225 Resp: 111307

Ion	Ratio	Lower	Upper
225	100		
223	61.9	50.2	75.2
227	63.9	50.6	76.0





#35
Caprolactam
Concen: 8.745 ng
RT: 11.516 min Scan# 14
Delta R.T. -0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:113 Resp: 3934

Ion	Ratio	Lower	Upper
113	100		
55	150.2	122.9	162.9
56	115.3	88.1	128.1

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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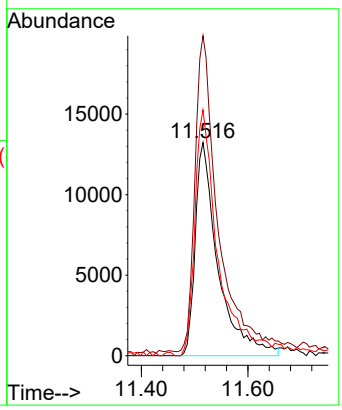
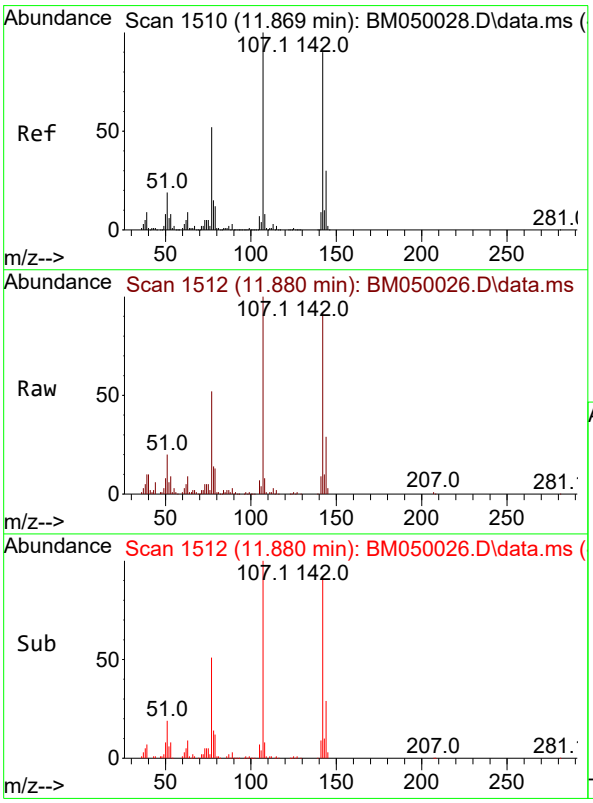
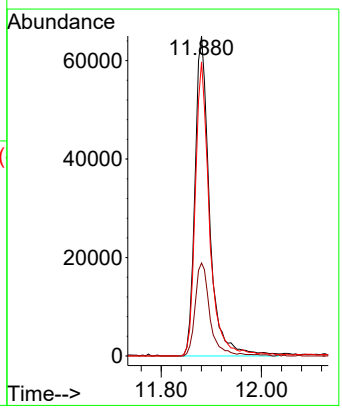


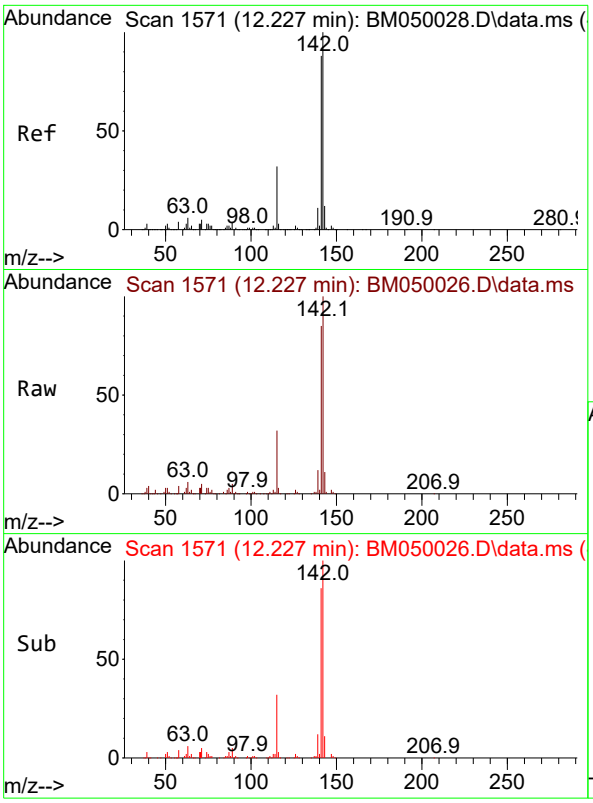


#36
4-Chloro-3-methylphenol
Concen: 9.194 ng
RT: 11.880 min Scan# 1512
Delta R.T. 0.012 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:107 Resp: 131076

Ion	Ratio	Lower	Upper
107	100		
144	29.1	23.8	35.6
142	91.9	71.9	107.9

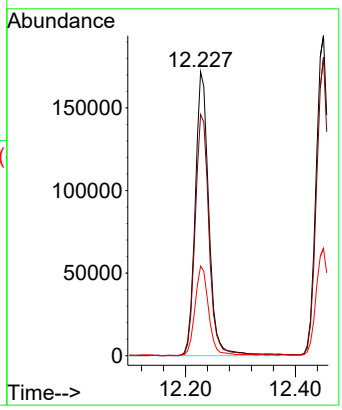




#37
2-Methylnaphthalene
Concen: 9.411 ng
RT: 12.227 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:142 Resp: 29605

Ion	Ratio	Lower	Upper
142	100		
141	85.0	70.4	105.6
115	31.5	25.4	38.2



Instrument :
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ClientSampleId :
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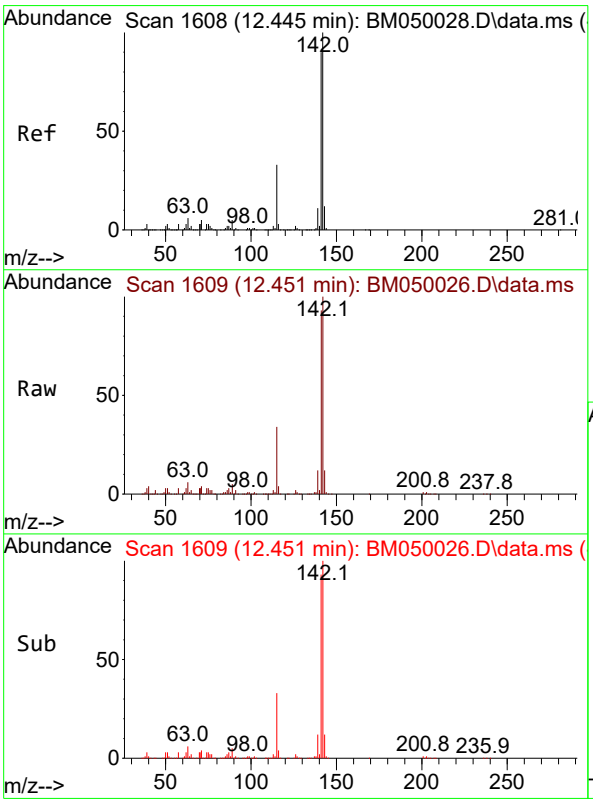
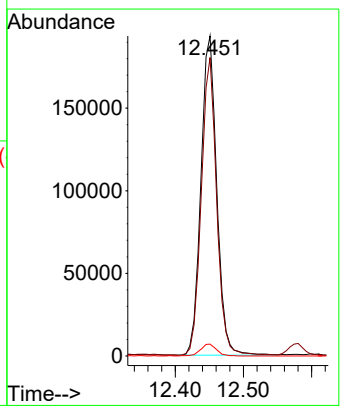
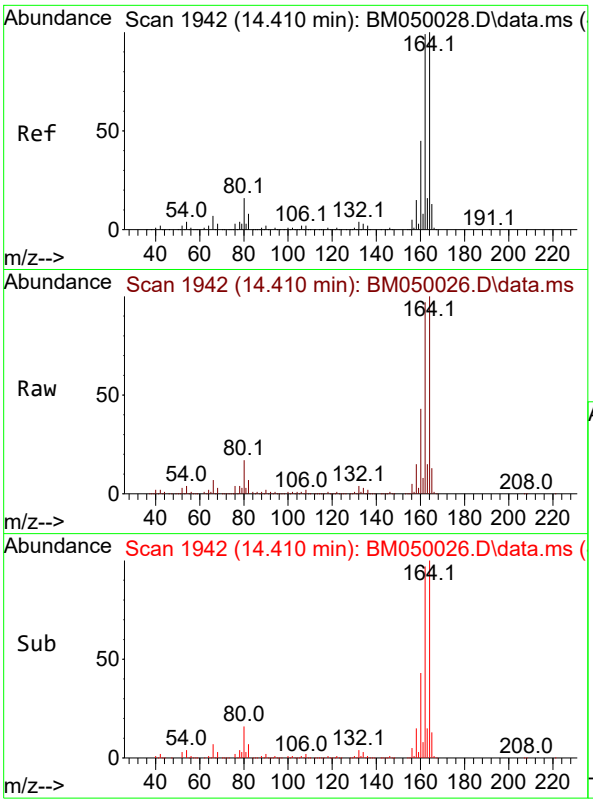


#38
1-Methylnaphthalene
Concen: 9.387 ng
RT: 12.451 min Scan# 1609
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:142 Resp: 312512

Ion	Ratio	Lower	Upper
142	100		
141	93.3	72.1	108.1
116	3.7	2.7	4.1

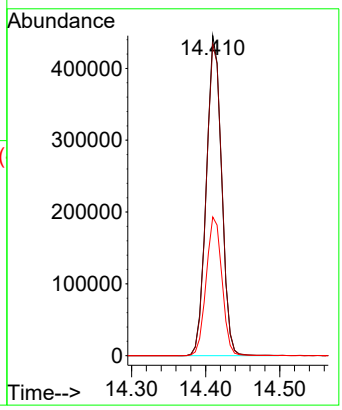




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:164 Resp: 63665

Ion	Ratio	Lower	Upper
164	100		
162	97.3	79.4	119.0
160	43.3	36.2	54.4



Instrument :
BNA_M
ClientSampleId :
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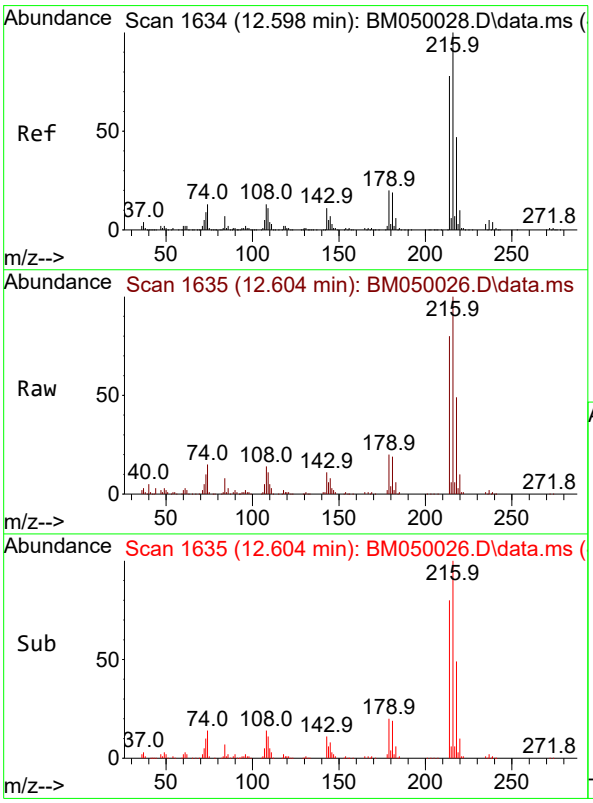
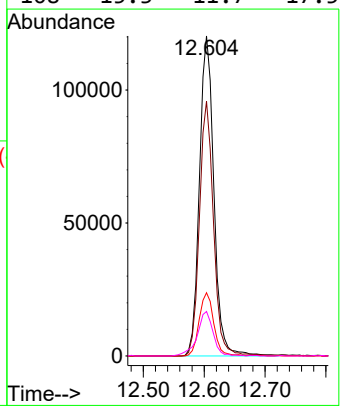
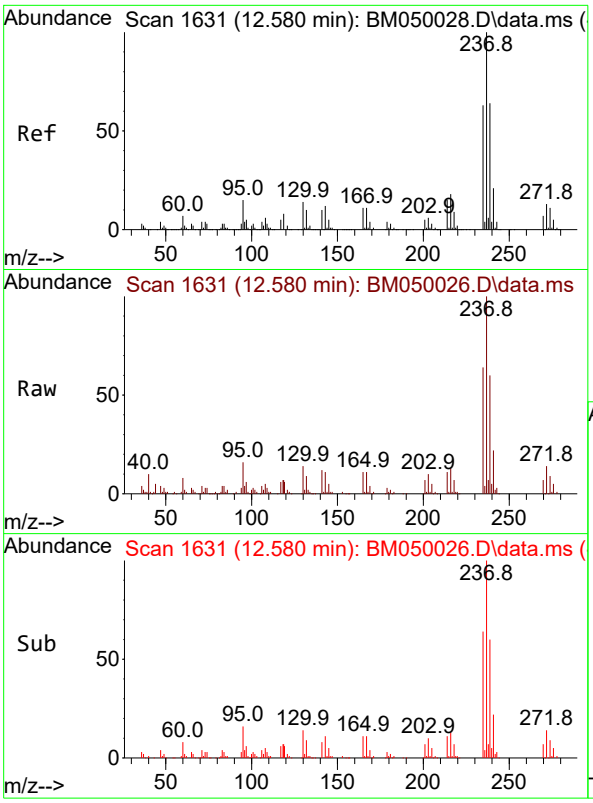


#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.981 ng
RT: 12.604 min Scan# 1635
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:216 Resp: 197943

Ion	Ratio	Lower	Upper
216	100		
214	77.7	62.3	93.5
179	20.0	15.4	23.0
108	15.3	11.7	17.5





#41
Hexachlorocyclopentadiene
Concen: 7.166 ng
RT: 12.580 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:237 Resp: 9652

Ion	Ratio	Lower	Upper
237	100		
235	63.6	42.9	82.9
272	14.5	0.0	32.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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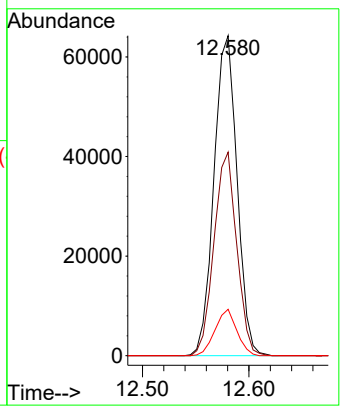
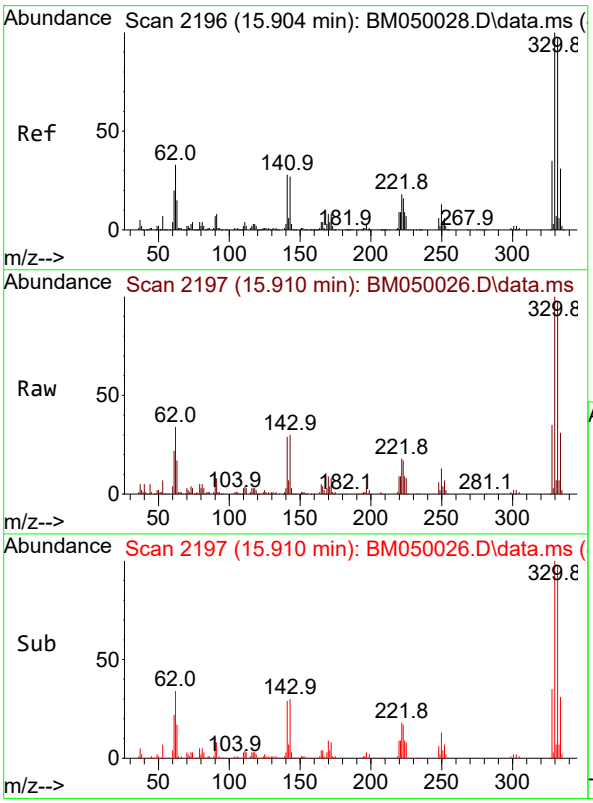
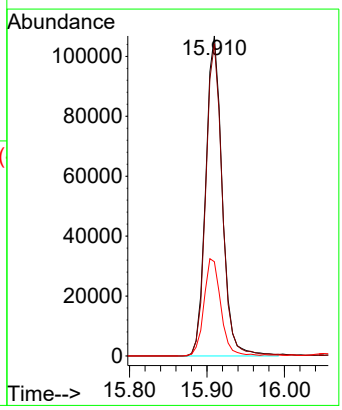


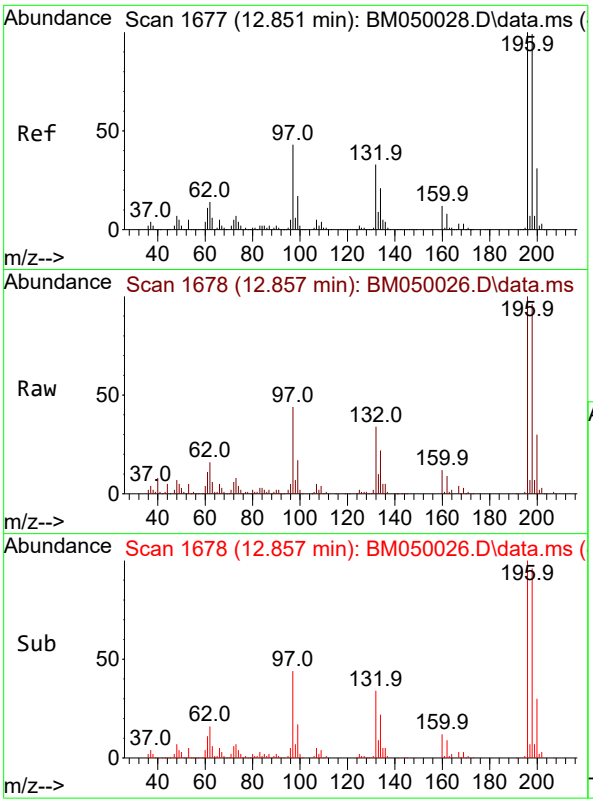


#42
2,4,6-Tribromophenol
Concen: 16.820 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:330 Resp: 158339

Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.3	115.9
141	31.1	22.5	33.7

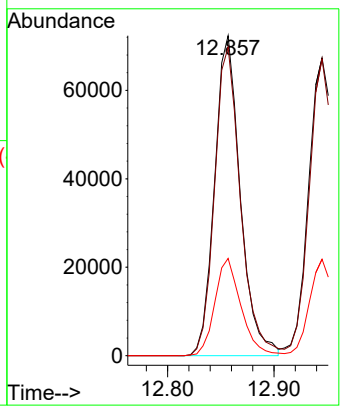




#43
2,4,6-Trichlorophenol
Concen: 8.673 ng
RT: 12.857 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:196 Resp: 12124

Ion	Ratio	Lower	Upper
196	100		
198	96.5	79.0	118.6
200	30.4	25.1	37.7



Instrument :
BNA_M
ClientSampleId :
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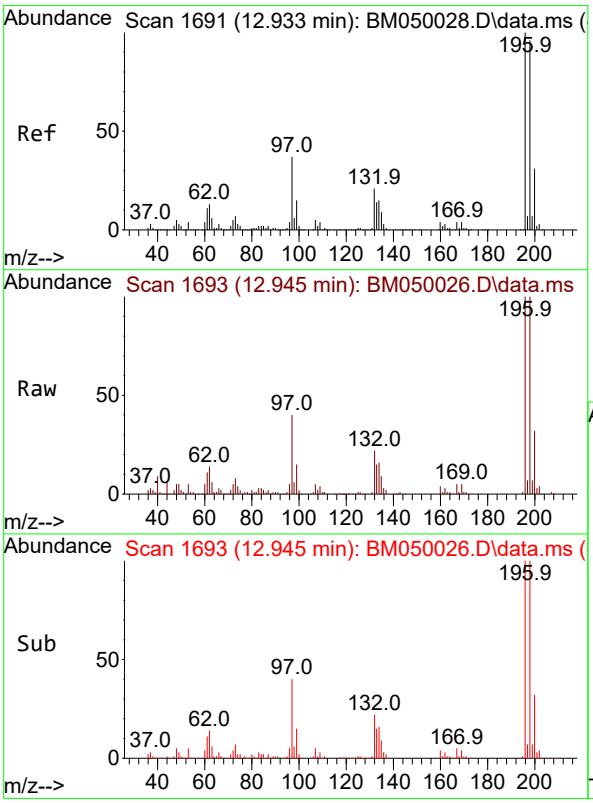
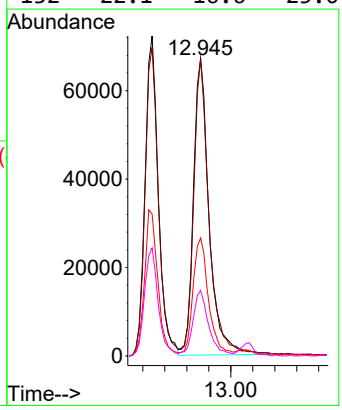
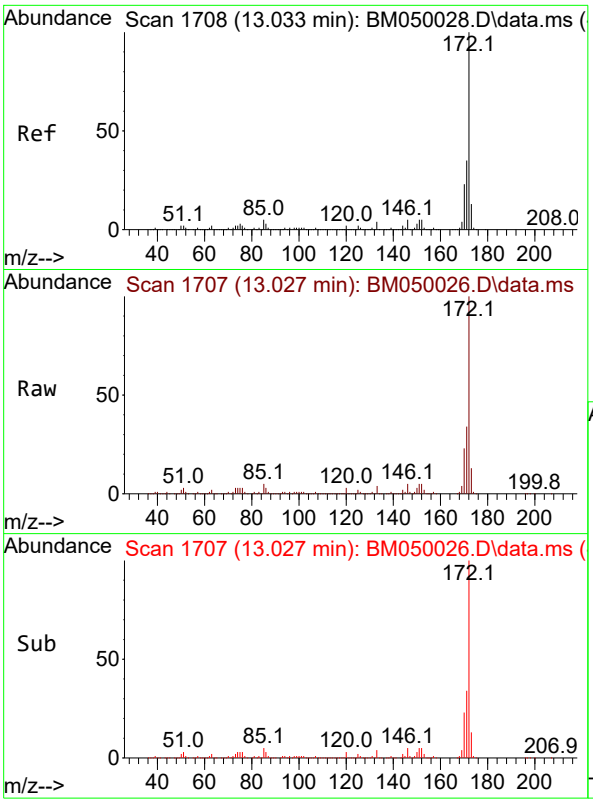


#44
2,4,5-Trichlorophenol
Concen: 8.815 ng
RT: 12.945 min Scan# 1693
Delta R.T. 0.012 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:196 Resp: 132882

Ion	Ratio	Lower	Upper
196	100		
198	99.7	76.7	115.1
97	39.6	30.1	45.1
132	22.1	16.6	25.0

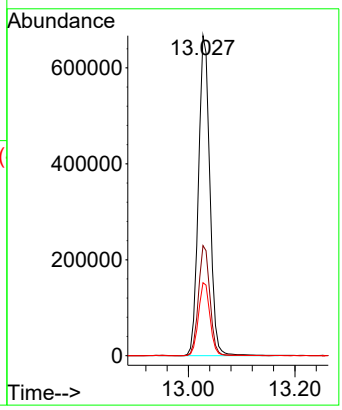




#45
2-Fluorobiphenyl
Concen: 18.394 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:172 Resp: 98991

Ion	Ratio	Lower	Upper
172	100		
171	34.4	27.8	41.6
170	22.8	18.6	28.0



Instrument :
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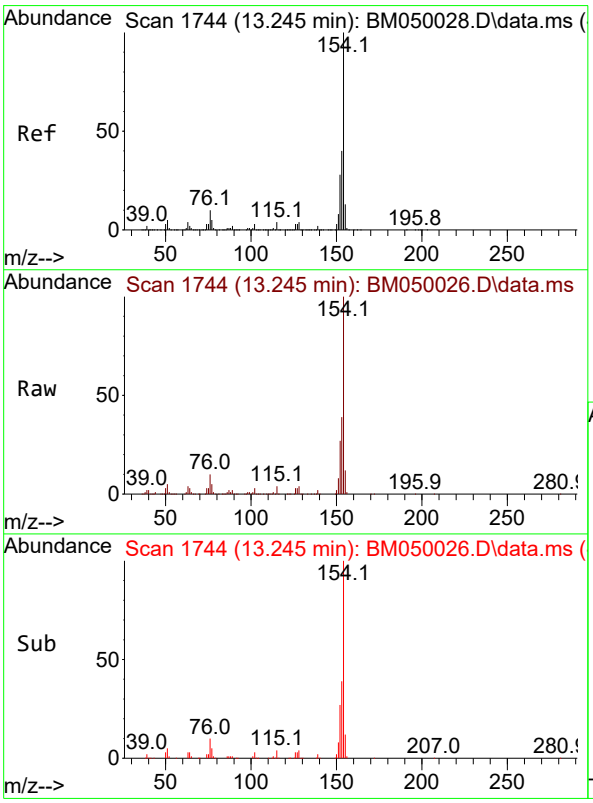
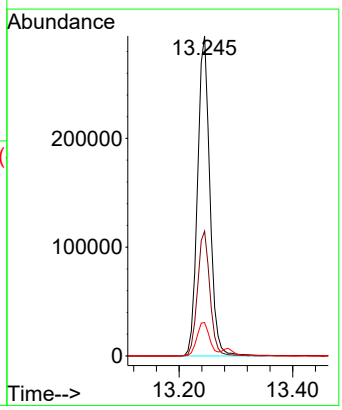
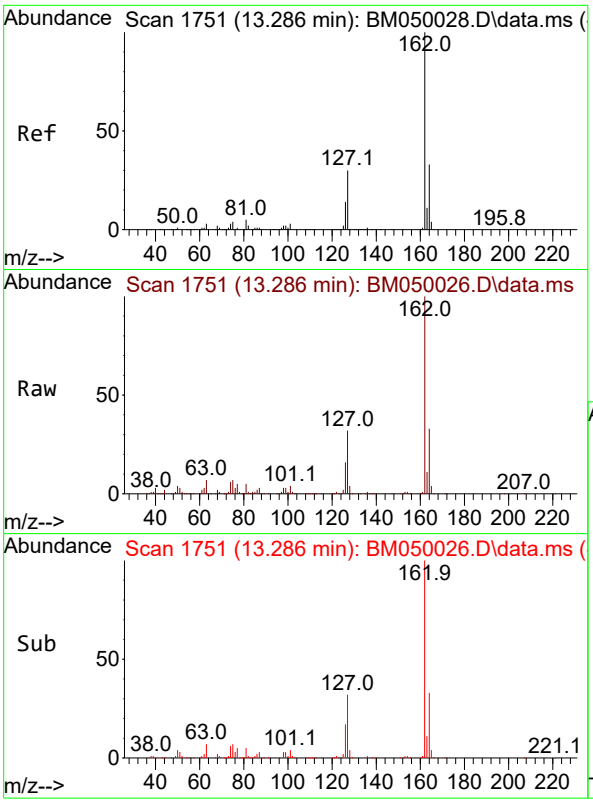


#46
1,1'-Biphenyl
Concen: 9.381 ng
RT: 13.245 min Scan# 1744
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:154 Resp: 443960

Ion	Ratio	Lower	Upper
154	100		
153	39.0	20.0	60.0
76	10.4	0.0	30.3

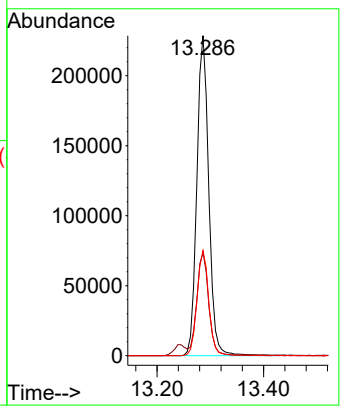




#47
2-Chloronaphthalene
Concen: 9.447 ng
RT: 13.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:162 Resp: 35410

Ion	Ratio	Lower	Upper
162	100		
127	32.3	25.9	38.9
164	32.8	26.6	40.0



Instrument :
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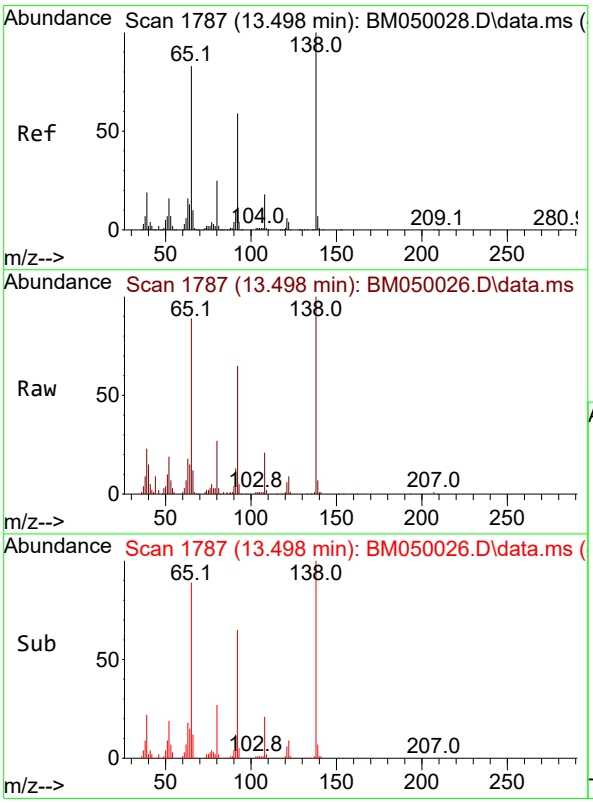
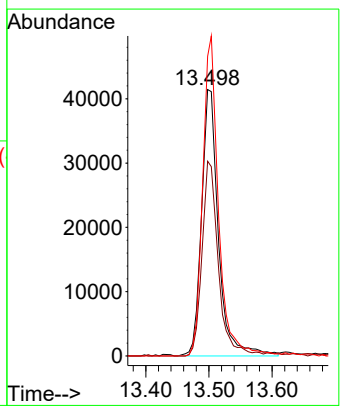
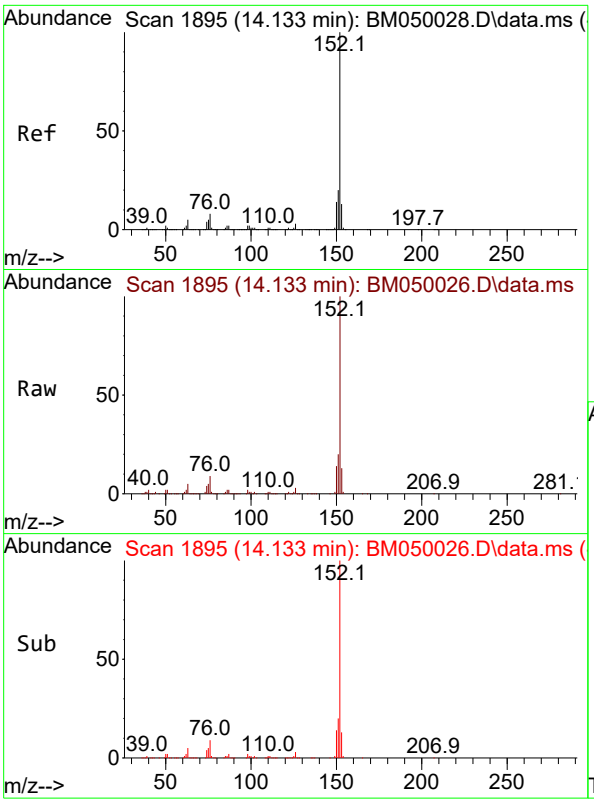


#48
2-Nitroaniline
Concen: 8.764 ng
RT: 13.498 min Scan# 1787
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion: 65 Resp: 77101

Ion	Ratio	Lower	Upper
65	100		
92	73.1	57.1	85.7
138	112.5	97.0	145.4





#49
Acenaphthylene
Concen: 9.235 ng
RT: 14.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:152 Resp: 54577

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.8
153	13.2	10.6	15.8

Instrument :
BNA_M
ClientSampleId :
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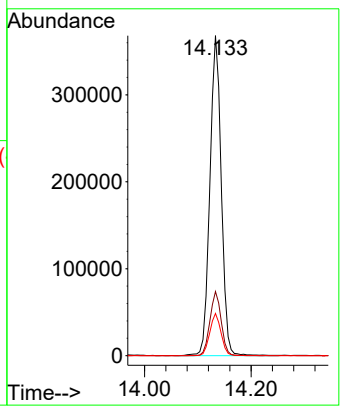
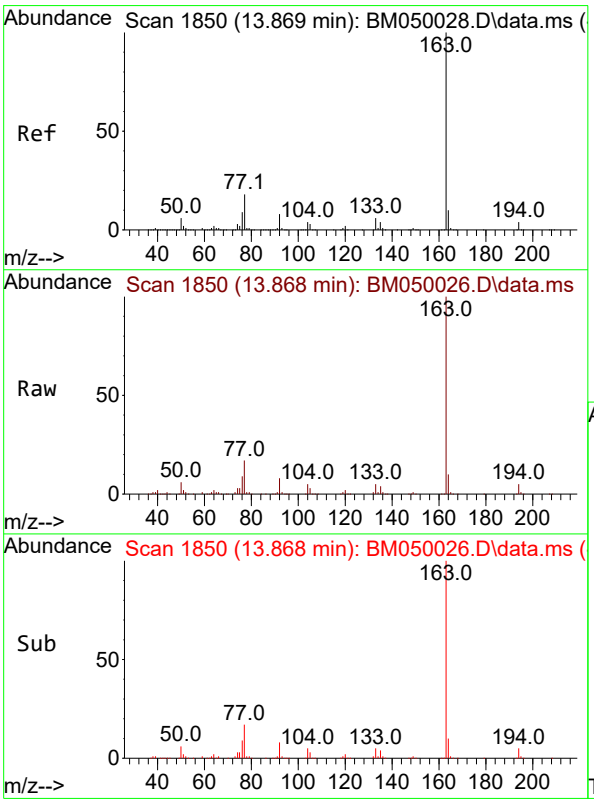
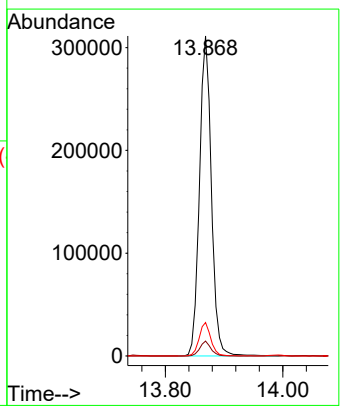


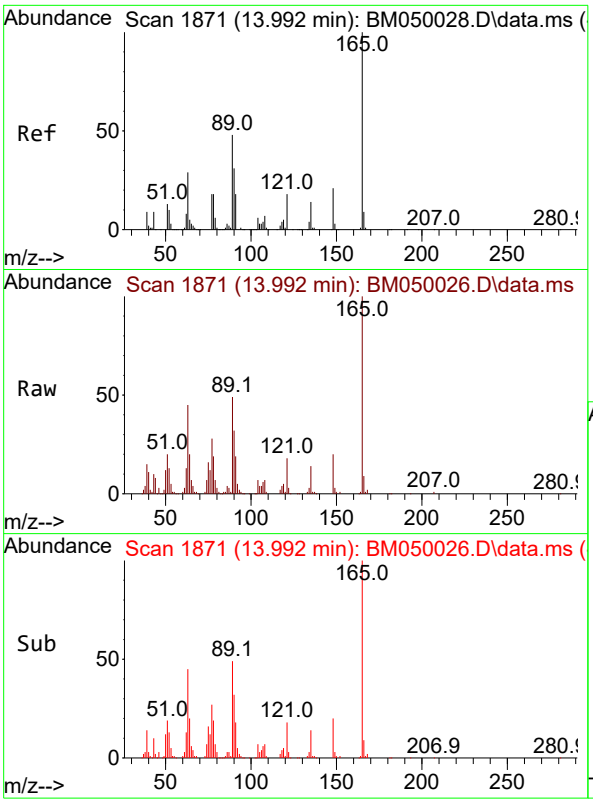


#50
Dimethylphthalate
Concen: 9.419 ng
RT: 13.868 min Scan# 1850
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:163 Resp: 438261

Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.4	5.2
164	10.5	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 8.953 ng
RT: 13.992 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:165 Resp: 8624

Ion	Ratio	Lower	Upper
165	100		
63	45.5	35.1	52.7
89	48.7	38.4	57.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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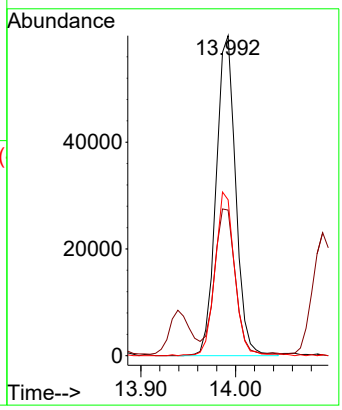
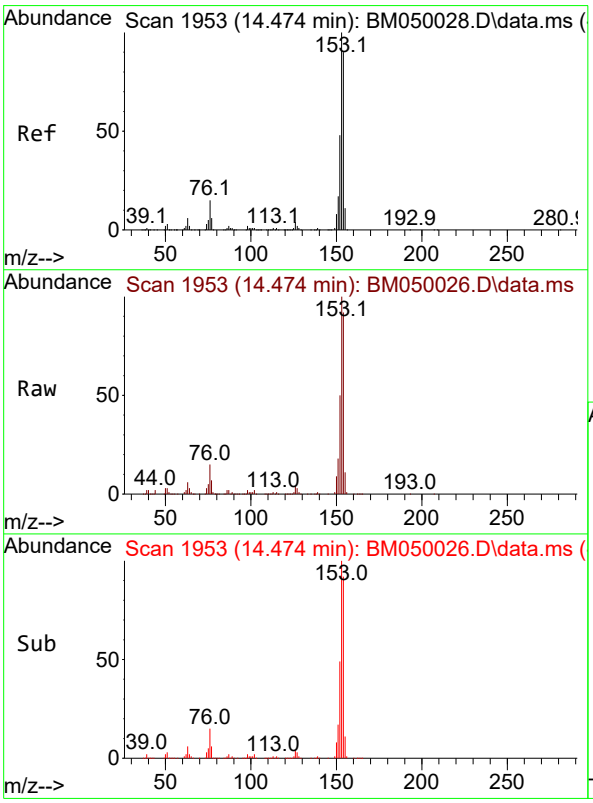
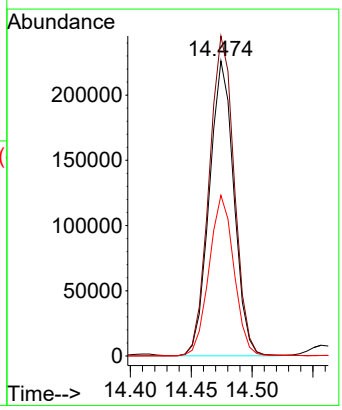


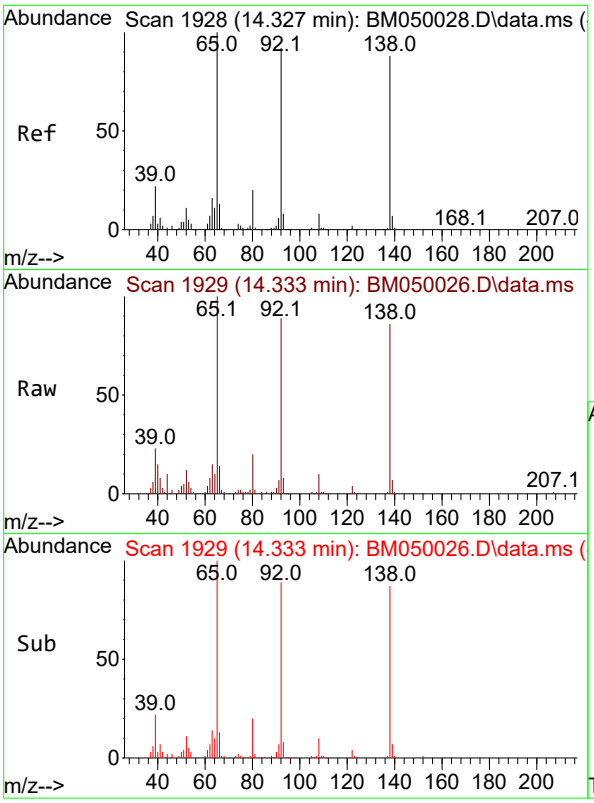


#52
Acenaphthene
Concen: 9.288 ng
RT: 14.474 min Scan# 1953
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:154 Resp: 317735

Ion	Ratio	Lower	Upper
154	100		
153	108.5	89.0	133.4
152	54.5	43.0	64.6

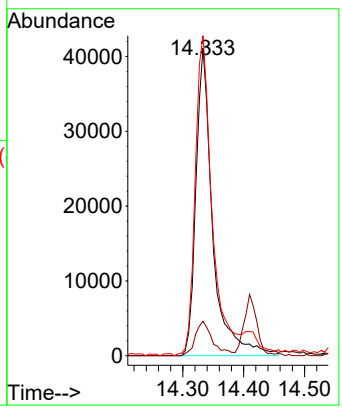




#53
3-Nitroaniline
Concen: 8.559 ng
RT: 14.333 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:138 Resp: 7872

Ion	Ratio	Lower	Upper
138	100		
108	11.2	7.4	11.2
92	104.0	84.0	126.0



Instrument :
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ClientSampleId :
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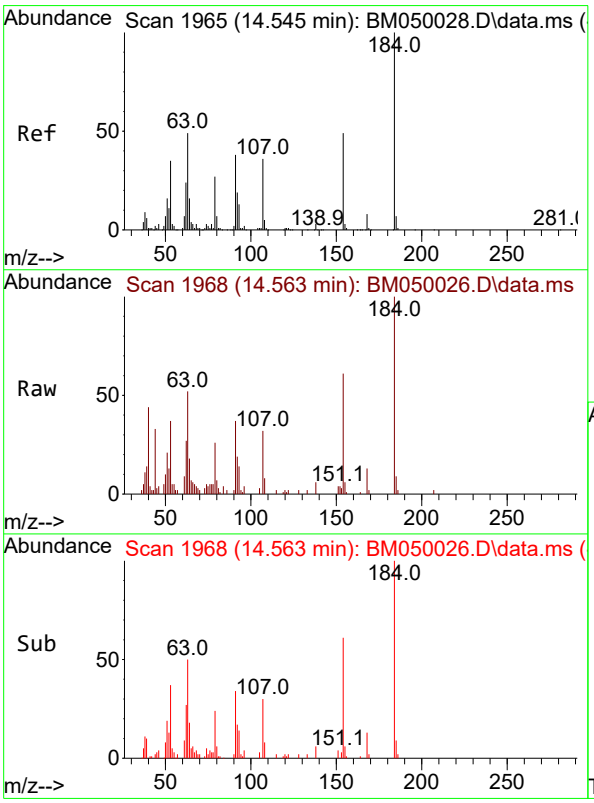
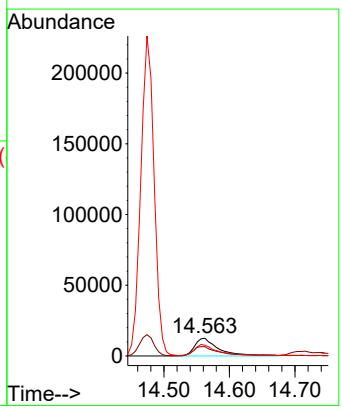
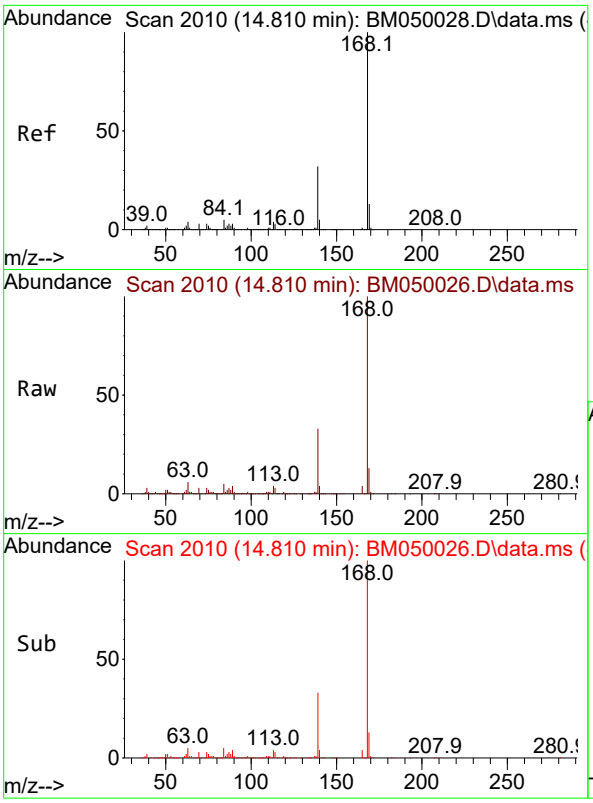


#54
2,4-Dinitrophenol
Concen: 10.558 ng
RT: 14.563 min Scan# 1968
Delta R.T. 0.018 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:184 Resp: 31979

Ion	Ratio	Lower	Upper
184	100		
63	52.1	39.8	59.6
154	60.9	46.1	69.1

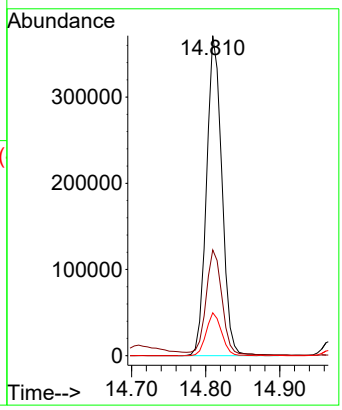




#55
Dibenzofuran
Concen: 9.401 ng
RT: 14.810 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:168 Resp: 53502

Ion	Ratio	Lower	Upper
168	100		
139	33.0	26.1	39.1
169	13.4	10.8	16.2



Instrument :
BNA_M
ClientSampleId :
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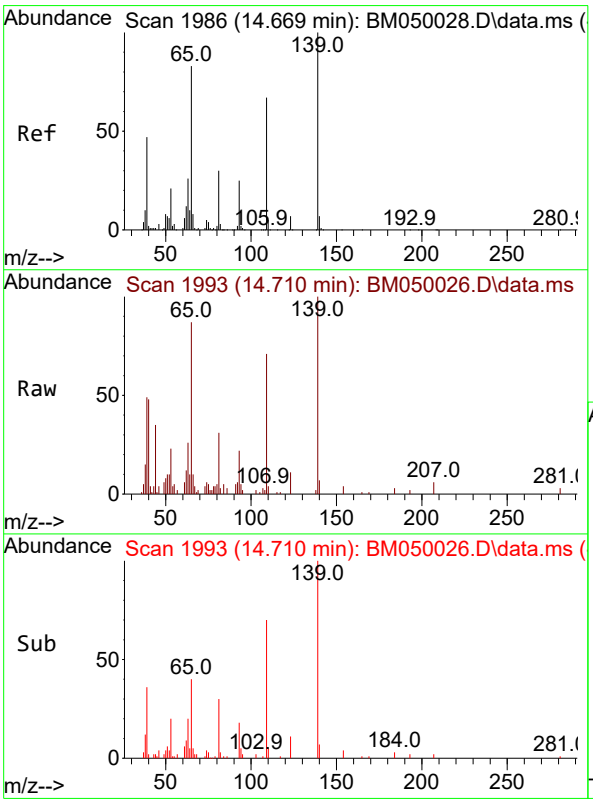
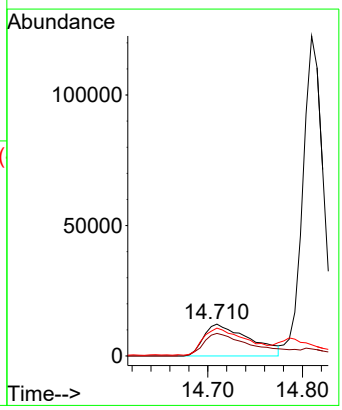
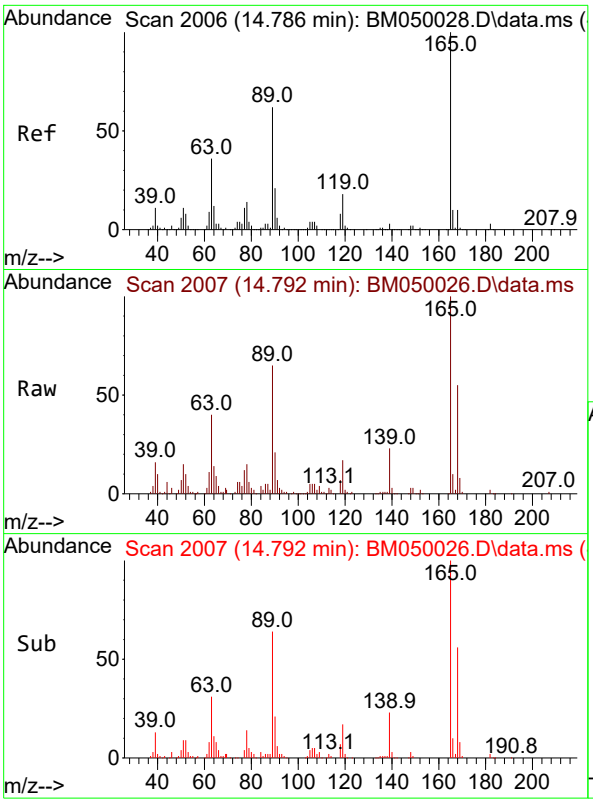


#56
4-Nitrophenol
Concen: 9.668 ng
RT: 14.710 min Scan# 1993
Delta R.T. 0.041 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:139 Resp: 40722

Ion	Ratio	Lower	Upper
139	100		
109	70.7	47.0	87.0
65	87.5	64.3	104.3

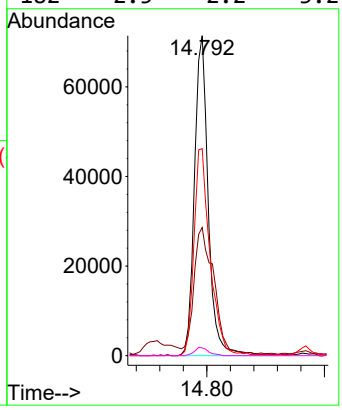




#57
2,4-Dinitrotoluene
Concen: 8.750 ng
RT: 14.792 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:165 Resp: 11647

Ion	Ratio	Lower	Upper
165	100		
63	40.1	29.0	43.6
89	64.7	49.4	74.2
182	2.5	2.2	3.2



Instrument :
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ClientSampleId :
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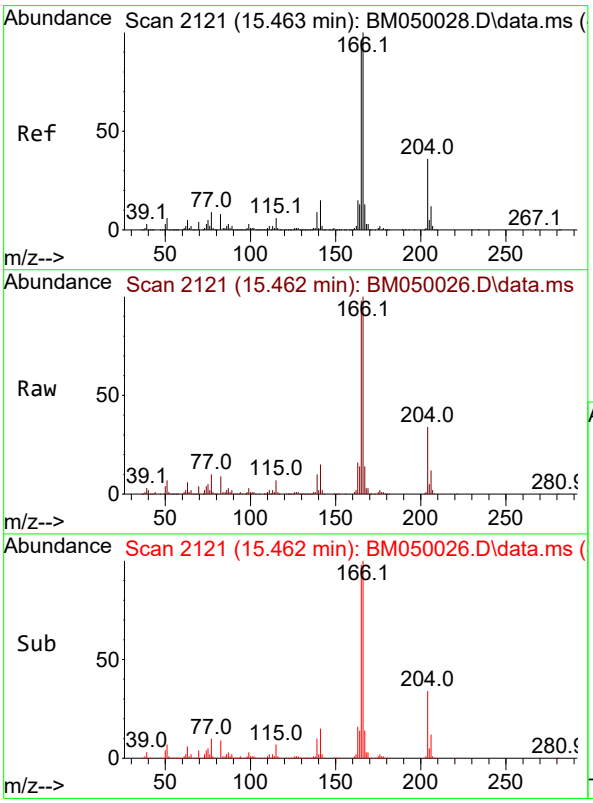
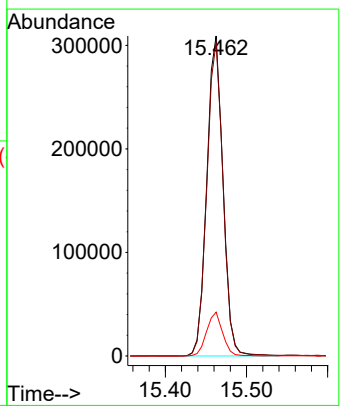
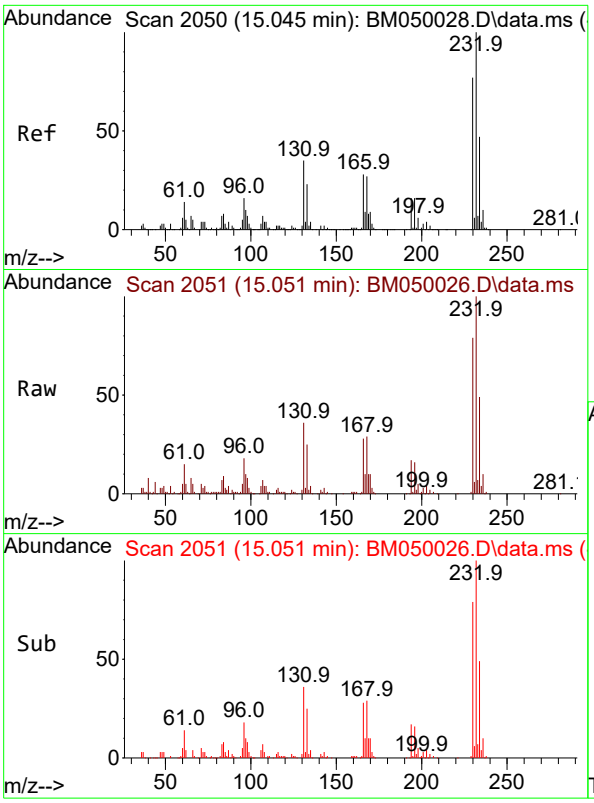


#58
Fluorene
Concen: 9.174 ng
RT: 15.462 min Scan# 2121
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:166 Resp: 427384

Ion	Ratio	Lower	Upper
166	100		
165	98.0	76.6	115.0
167	13.7	10.6	16.0

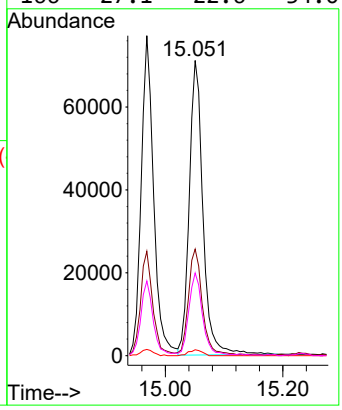




#59
2,3,4,6-Tetrachlorophenol
Concen: 8.828 ng
RT: 15.051 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:232 Resp: 11518

Ion	Ratio	Lower	Upper
232	100		
131	36.2	28.2	42.4
130	2.0	1.5	2.3
166	27.1	22.6	34.0



Instrument :
BNA_M
ClientSampleId :
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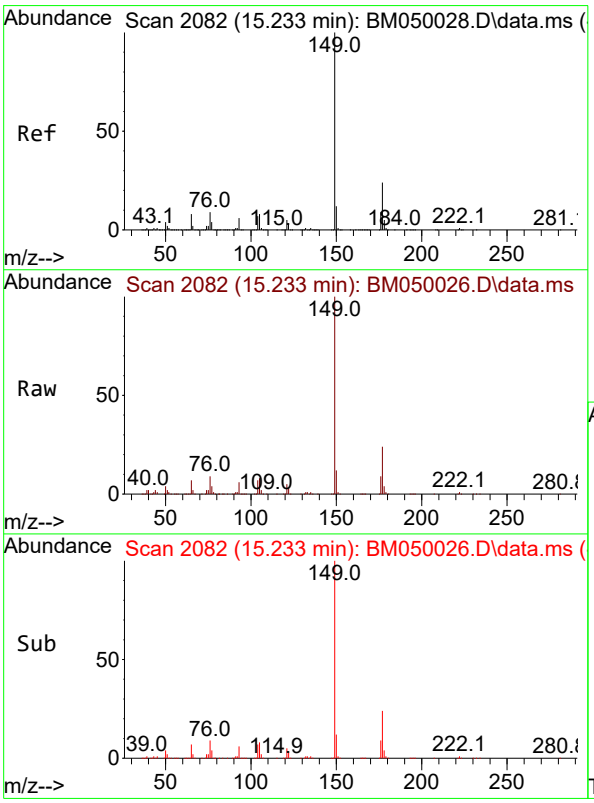
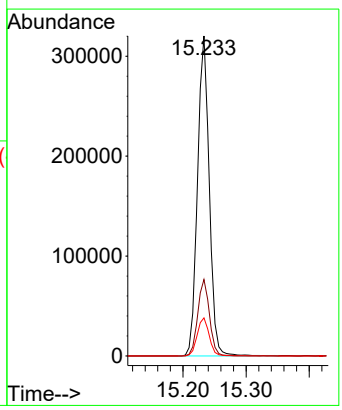
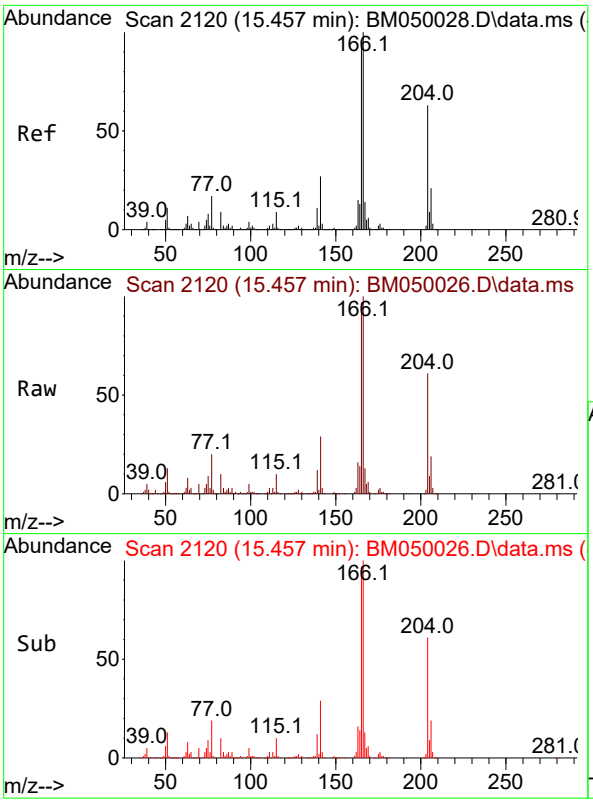


#60
Diethylphthalate
Concen: 9.447 ng
RT: 15.233 min Scan# 2082
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:149 Resp: 414149

Ion	Ratio	Lower	Upper
149	100		
177	23.9	19.1	28.7
150	11.9	9.6	14.4





#61
4-Chlorophenyl-phenylether
Concen: 8.908 ng
RT: 15.457 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:204 Resp: 22792

Ion	Ratio	Lower	Upper
204	100		
206	31.4	26.3	39.5
141	47.6	34.0	51.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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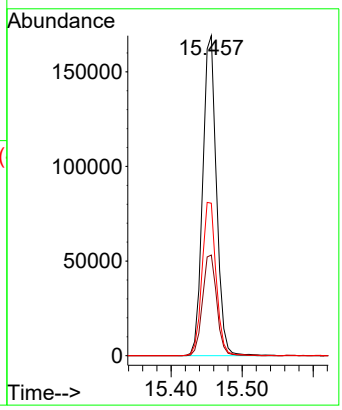
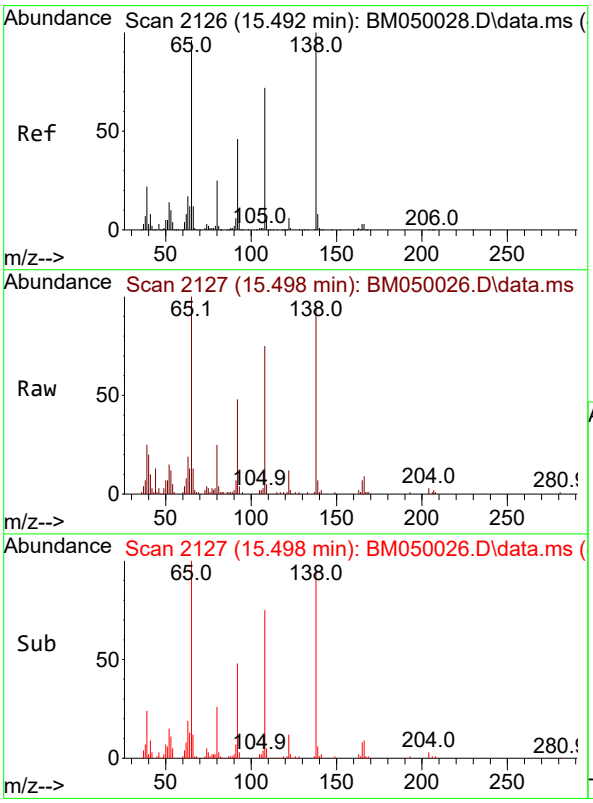
Supervised By :Jagrut Upadhyay 04/29/2025

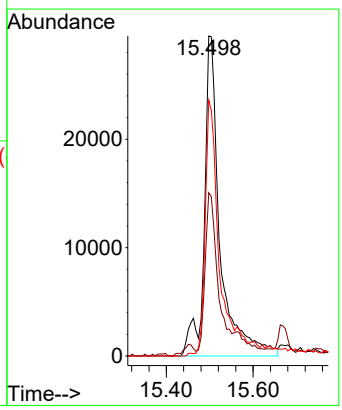


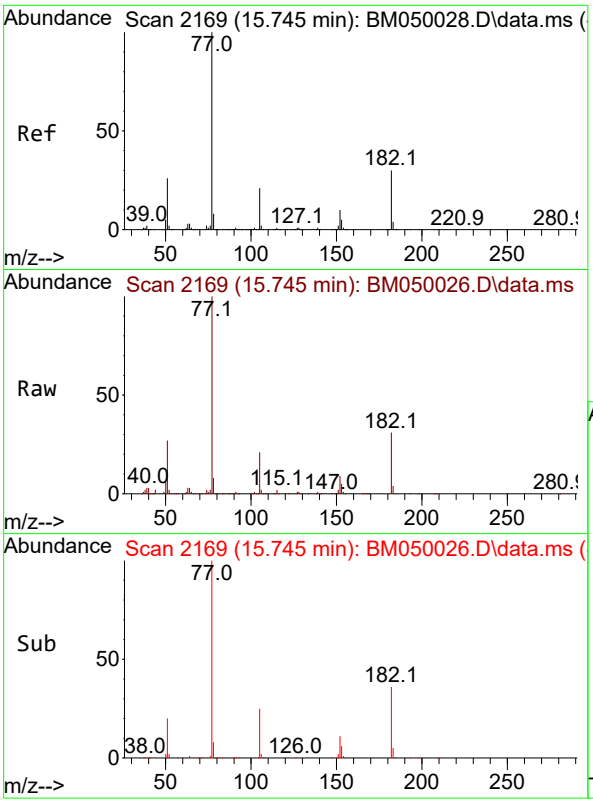


#62
4-Nitroaniline
Concen: 8.397 ng m
RT: 15.498 min Scan# 2127
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:138 Resp: 74565

Ion	Ratio	Lower	Upper
138	100		
92	51.0	25.9	65.9
108	80.0	52.4	92.4

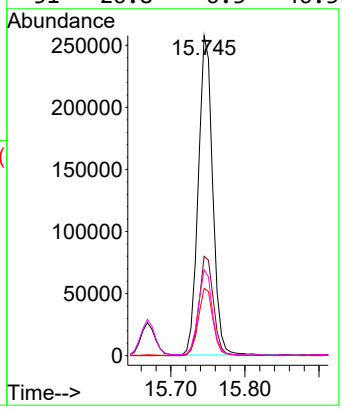




#63
Azobenzene
Concen: 9.454 ng
RT: 15.745 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion: 77 Resp: 34734

Ion	Ratio	Lower	Upper
77	100		
182	31.0	10.5	50.5
105	21.0	1.1	41.1
51	26.8	6.3	46.3



Instrument :
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ClientSampleId :
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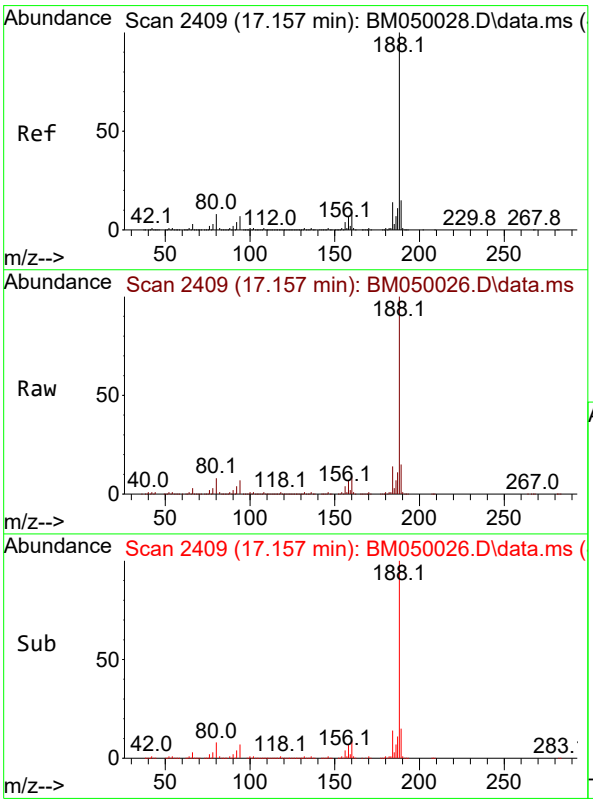
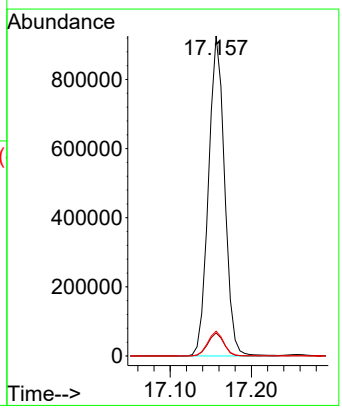
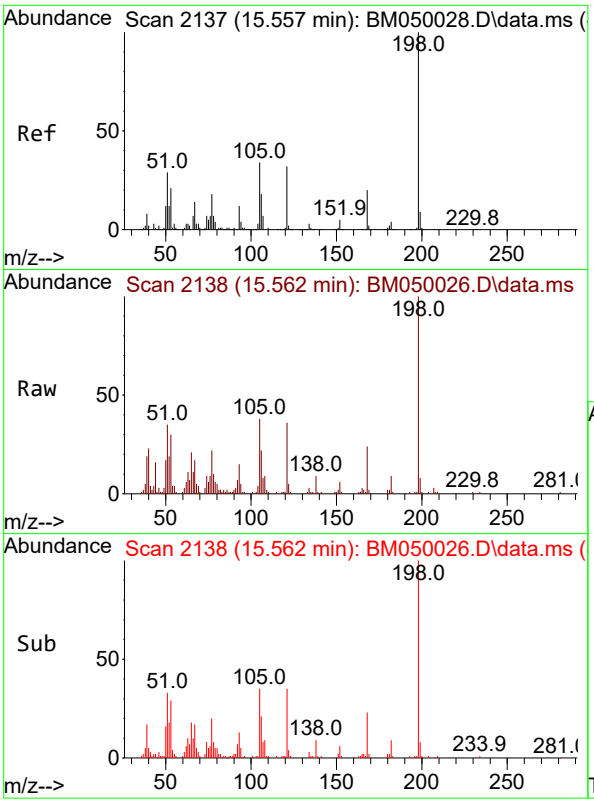


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:188 Resp: 1274608

Ion	Ratio	Lower	Upper
188	100		
94	7.2	5.7	8.5
80	7.8	6.2	9.4





#65
4,6-Dinitro-2-methylphenol
Concen: 7.042 ng
RT: 15.562 min Scan# 21
Delta R.T. 0.005 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:198 Resp: 5618

Ion	Ratio	Lower	Upper
198	100		
51	34.7	10.4	50.4
105	38.2	14.6	54.6

Instrument :
BNA_M
ClientSampleId :
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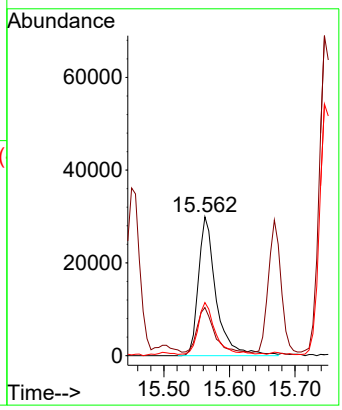
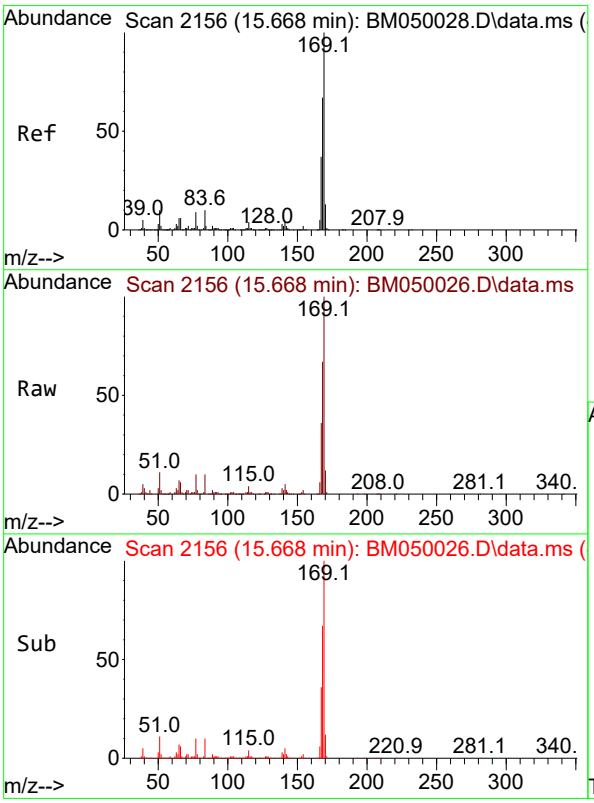
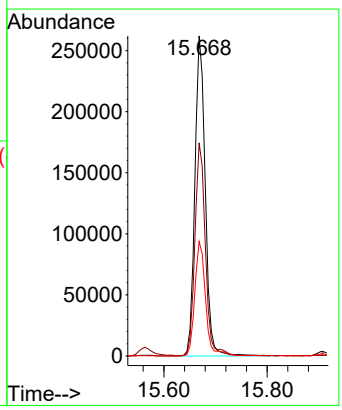


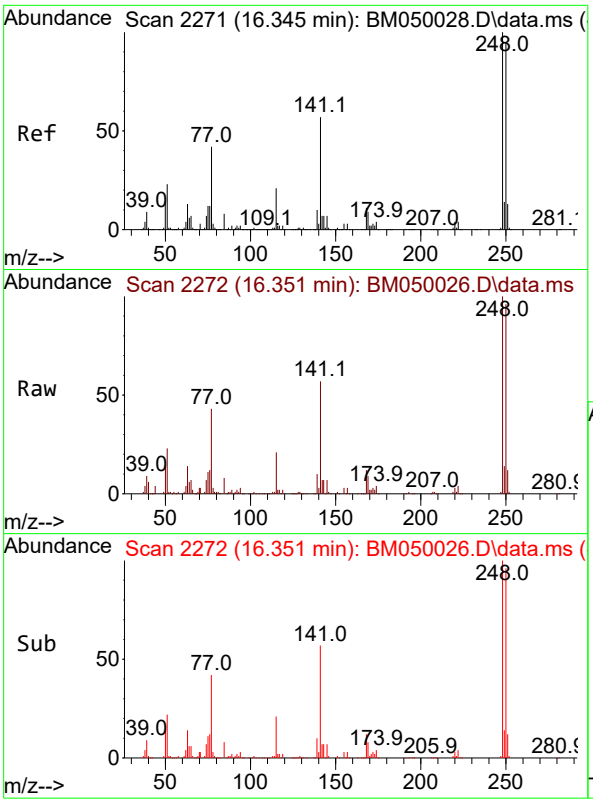


#66
n-Nitrosodiphenylamine
Concen: 9.315 ng
RT: 15.668 min Scan# 2156
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:169 Resp: 364601

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.4	80.2
167	35.8	29.4	44.0

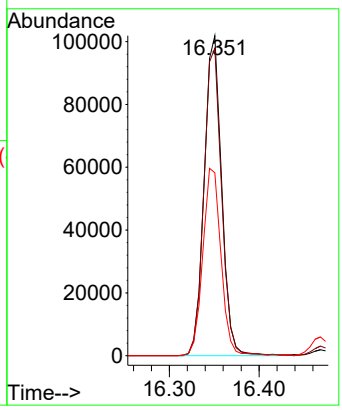




#67
4-Bromophenyl-phenylether
Concen: 8.923 ng
RT: 16.351 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:248 Resp: 13753

Ion	Ratio	Lower	Upper
248	100		
250	96.1	76.2	114.2
141	57.1	45.9	68.9



Instrument :
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ClientSampleId :
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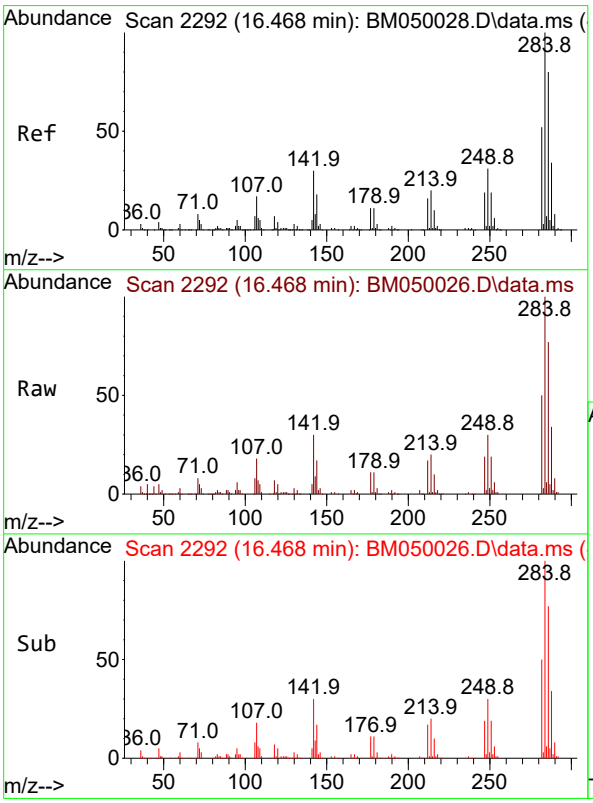
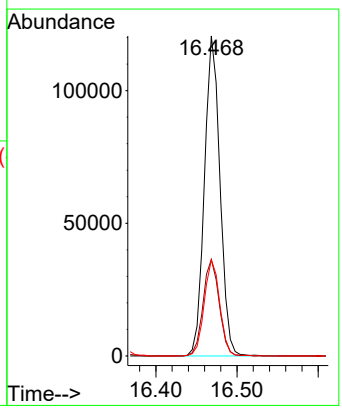
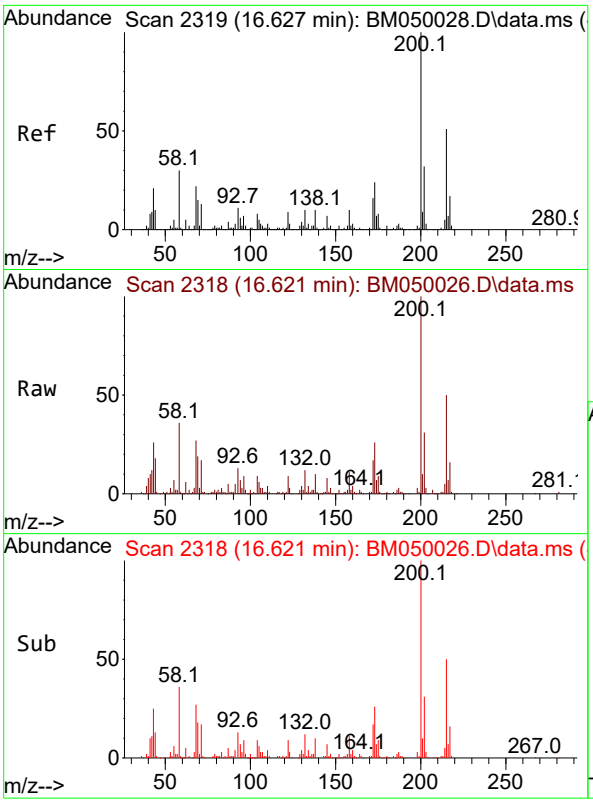


#68
Hexachlorobenzene
Concen: 9.016 ng
RT: 16.468 min Scan# 2292
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:284 Resp: 160195

Ion	Ratio	Lower	Upper
284	100		
142	30.1	23.9	35.9
249	30.0	24.5	36.7

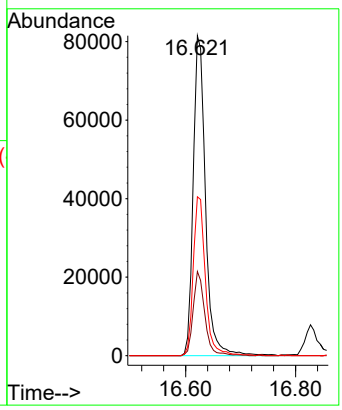




#69
Atrazine
Concen: 8.937 ng
RT: 16.621 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:200 Resp: 12616

Ion	Ratio	Lower	Upper
200	100		
173	26.3	4.3	44.3
215	49.6	30.6	70.6



Instrument :
BNA_M
ClientSampleId :
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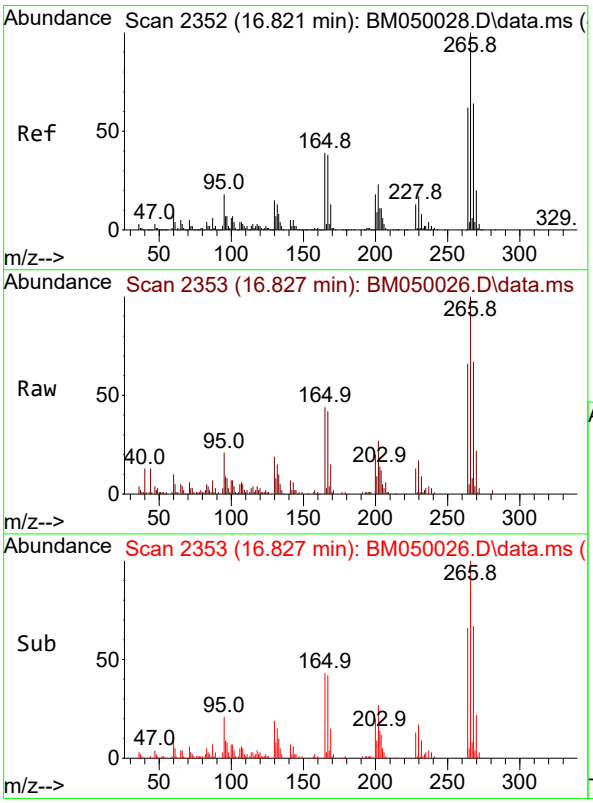
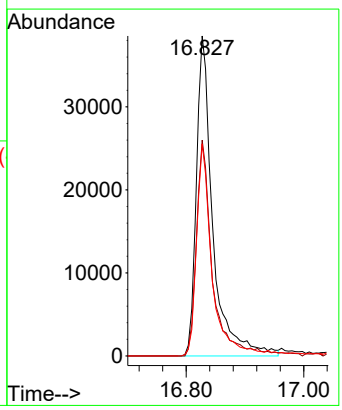
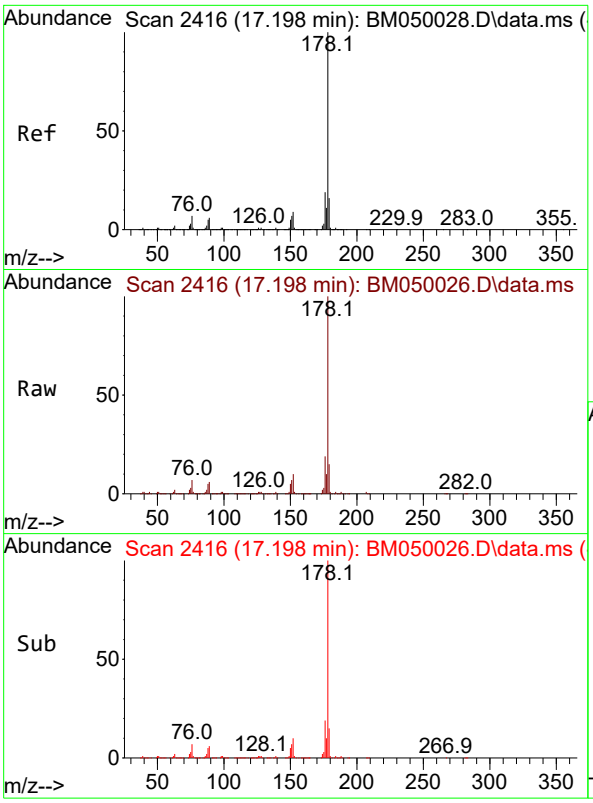


#70
Pentachlorophenol
Concen: 7.483 ng
RT: 16.827 min Scan# 2353
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:266 Resp: 74839

Ion	Ratio	Lower	Upper
266	100		
268	67.5	51.2	76.8
264	66.3	49.6	74.4

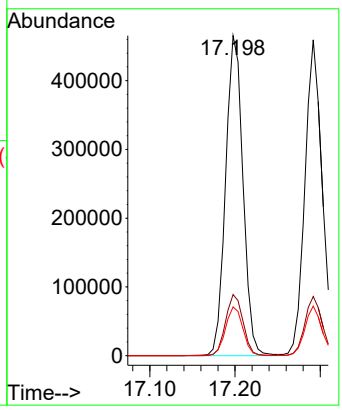




#71
Phenanthrene
Concen: 9.172 ng
RT: 17.198 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:178 Resp: 65937

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.3	12.4	18.6



Instrument :
BNA_M
ClientSampleId :
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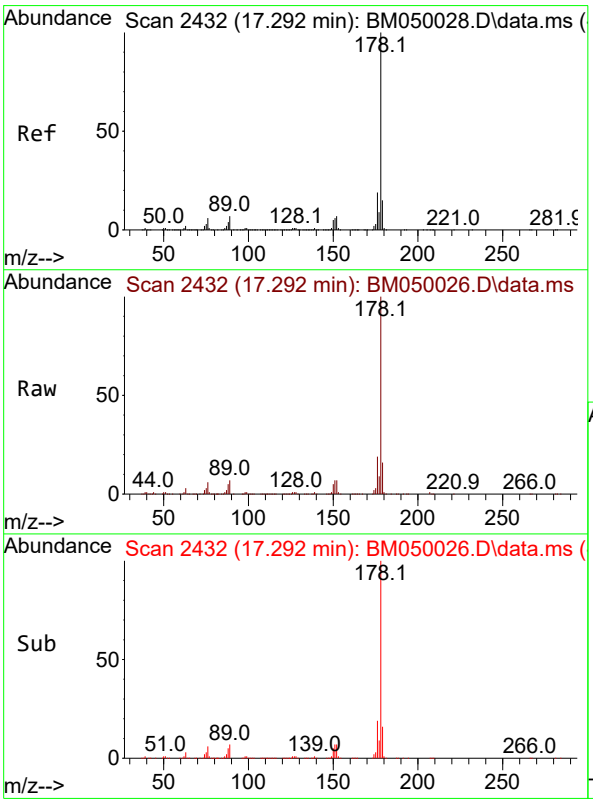
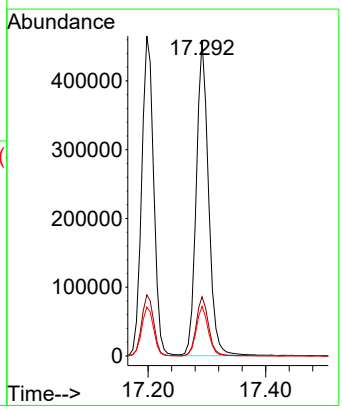
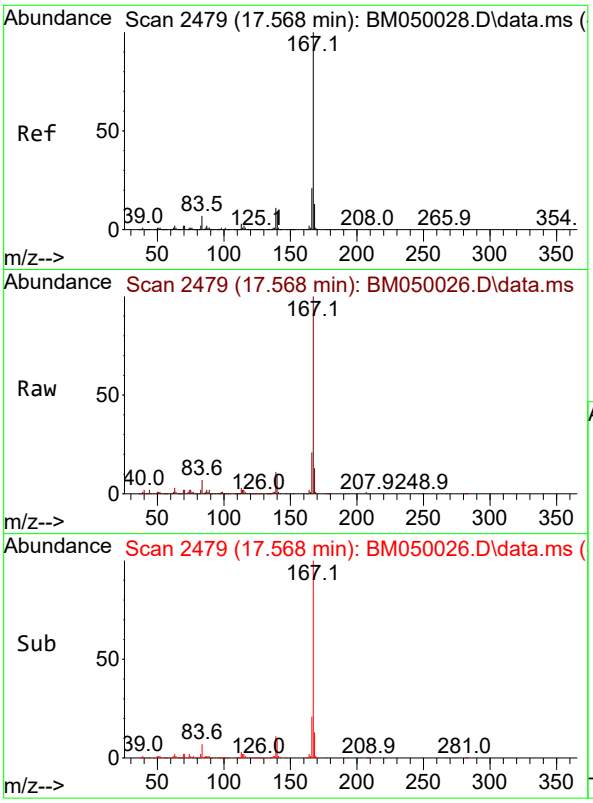


#72
Anthracene
Concen: 9.089 ng
RT: 17.292 min Scan# 2432
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:178 Resp: 661260

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	15.7	12.2	18.4

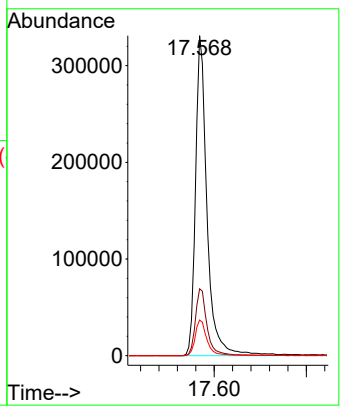




#73
Carbazole
Concen: 9.087 ng
RT: 17.568 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:167 Resp: 57366

Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.2	25.8
139	11.2	9.0	13.6



Instrument :
BNA_M
ClientSampleId :
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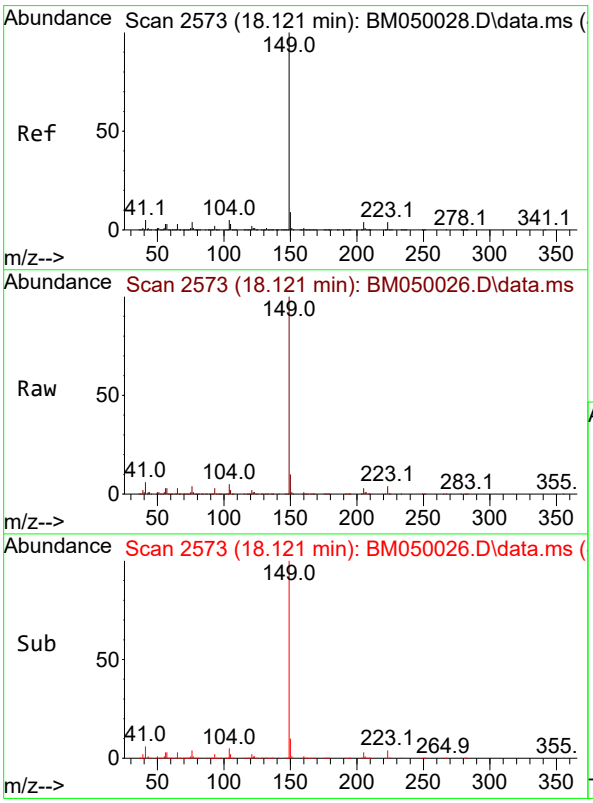
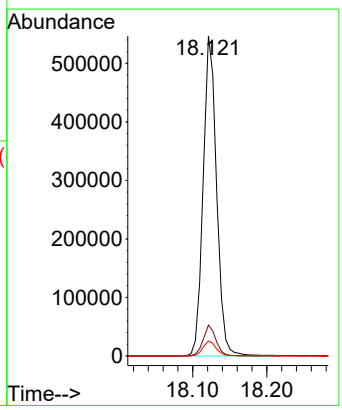
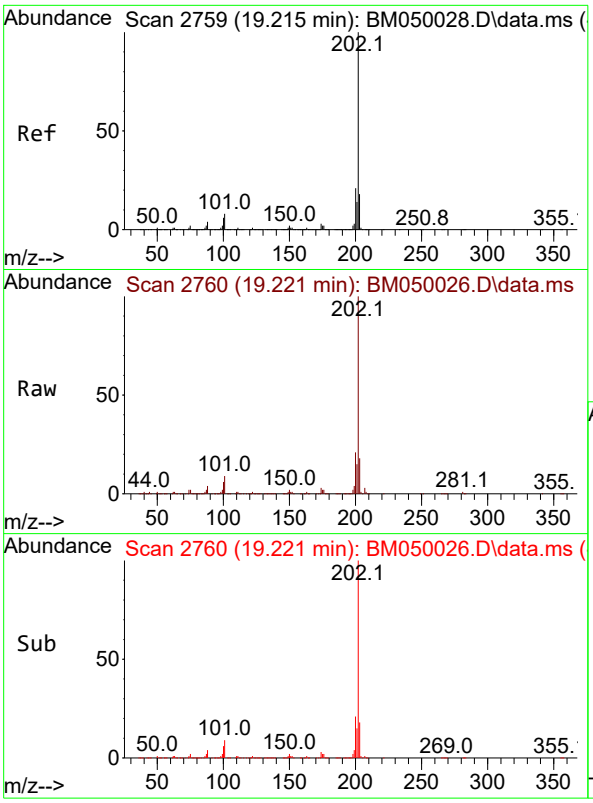


#74
Di-n-butylphthalate
Concen: 9.168 ng
RT: 18.121 min Scan# 2573
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:149 Resp: 689248

Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.3	10.9
104	4.7	3.8	5.6

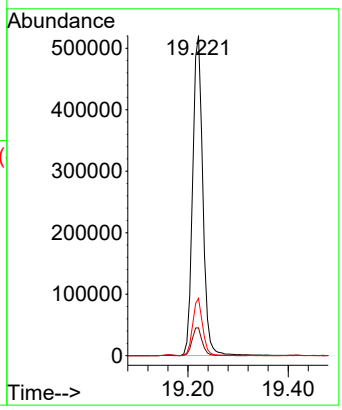




#75
Fluoranthene
Concen: 8.621 ng
RT: 19.221 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:202 Resp: 72760

Ion	Ratio	Lower	Upper
202	100		
101	8.7	0.0	28.0
203	18.0	0.0	37.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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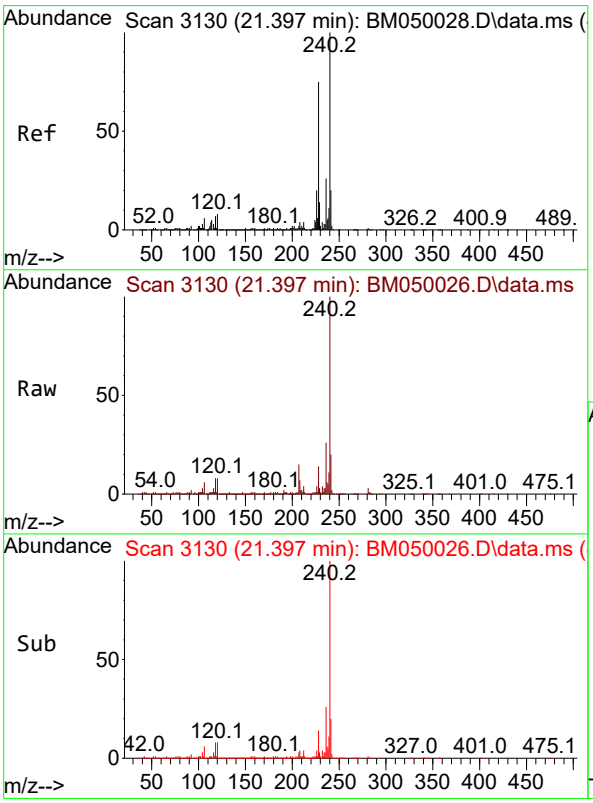
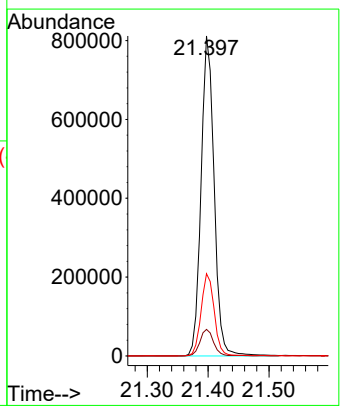
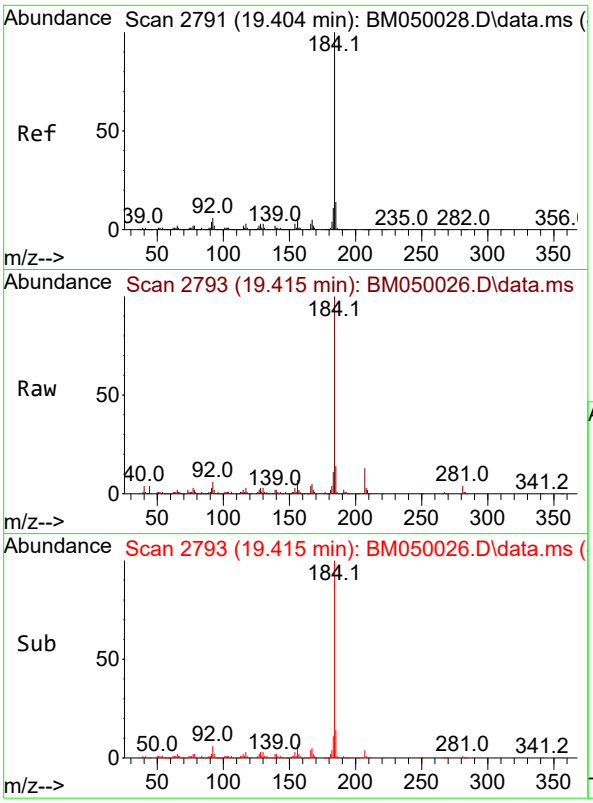


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3130
Delta R.T. 0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:240 Resp: 1213581

Ion	Ratio	Lower	Upper
240	100		
120	8.3	6.5	9.7
236	25.7	20.9	31.3

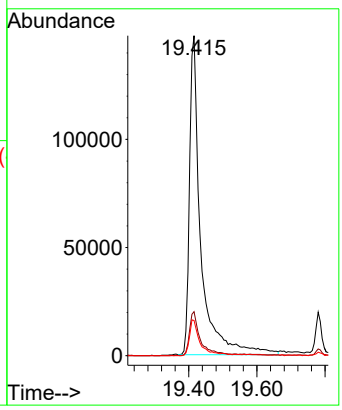




#77
Benzidine
Concen: 7.887 ng
RT: 19.415 min Scan# 2
Delta R.T. 0.011 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:184 Resp: 33997

Ion	Ratio	Lower	Upper
184	100		
185	13.7	11.5	17.3
183	11.0	8.9	13.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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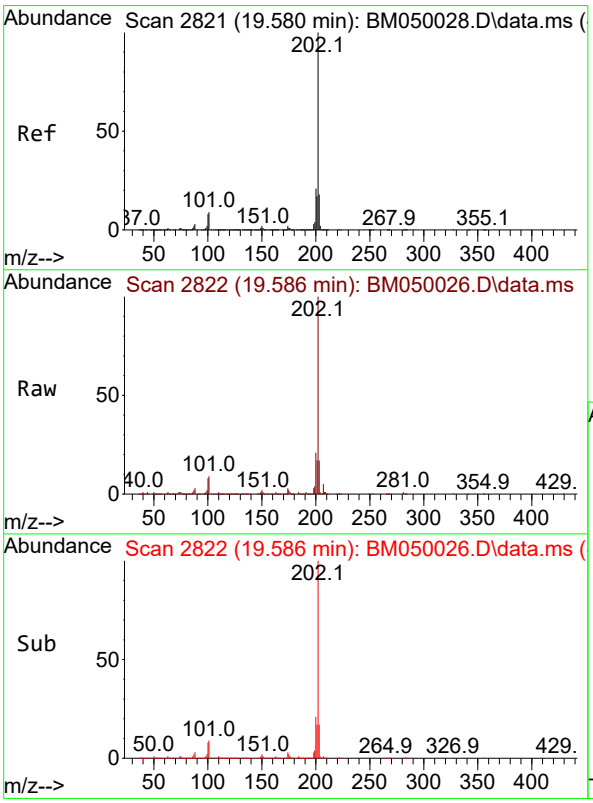
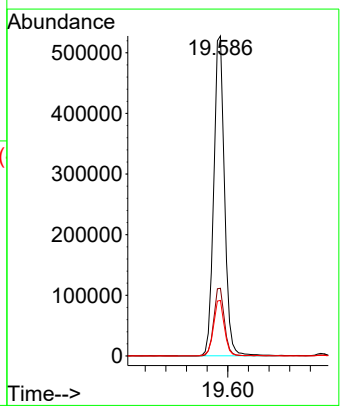
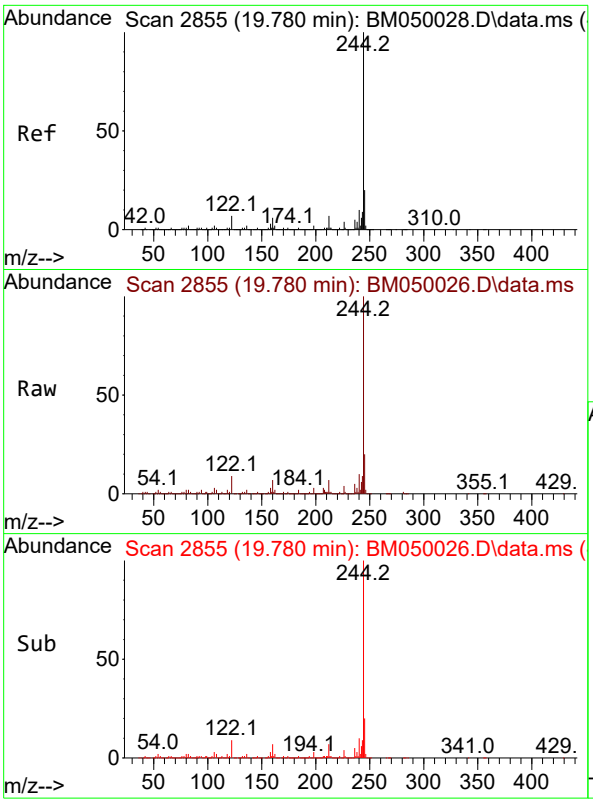


#78
Pyrene
Concen: 8.937 ng
RT: 19.586 min Scan# 2822
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:202 Resp: 761625

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.7	25.1
203	17.3	14.1	21.1

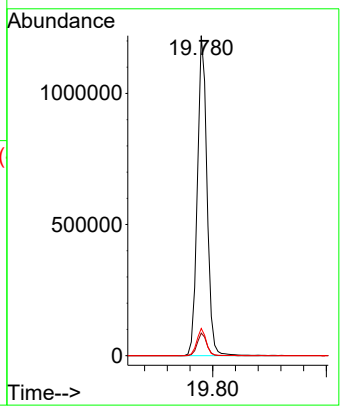




#79
Terphenyl-d14
Concen: 17.601 ng
RT: 19.780 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:244 Resp: 144352

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	8.5	5.6	8.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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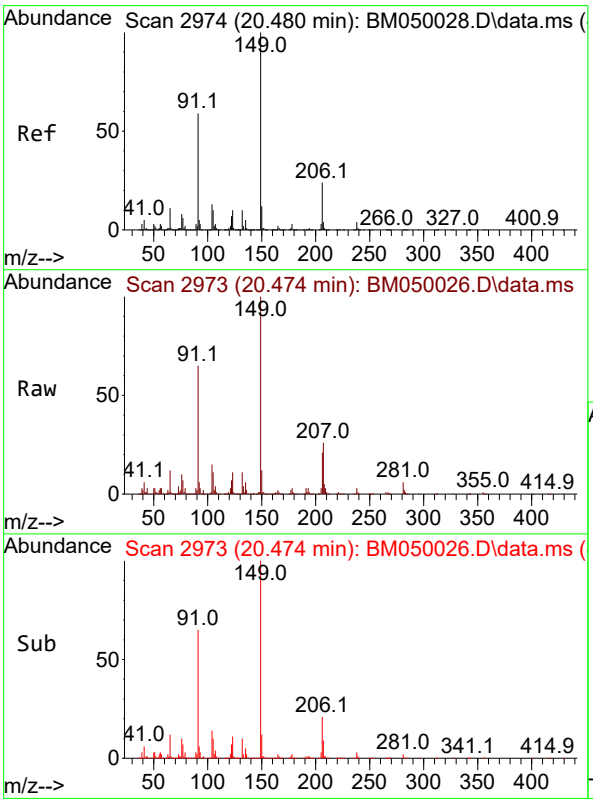
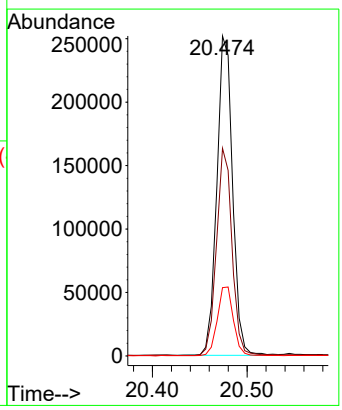
Supervised By :Jagrut Upadhyay 04/29/2025

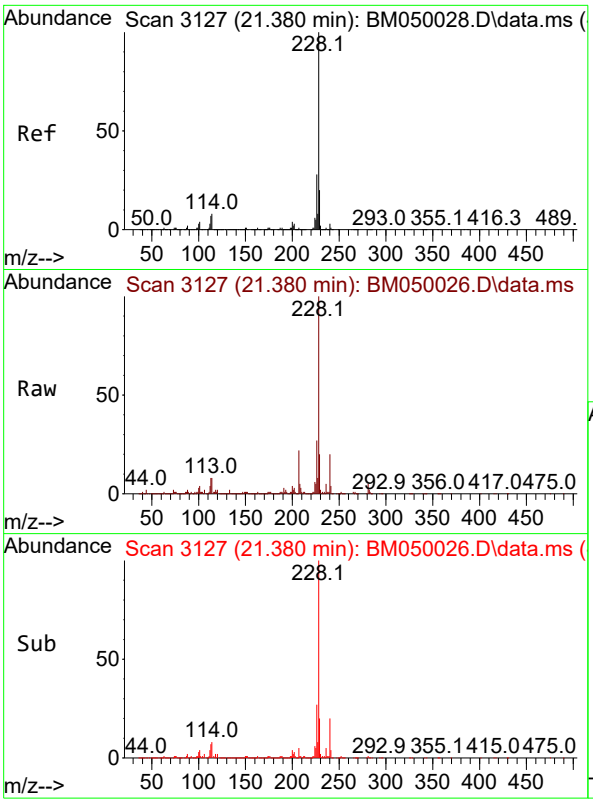


#80
Butylbenzylphthalate
Concen: 9.105 ng
RT: 20.474 min Scan# 2973
Delta R.T. -0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:149 Resp: 290617

Ion	Ratio	Lower	Upper
149	100		
91	64.9	47.4	71.2
206	21.3	19.4	29.0

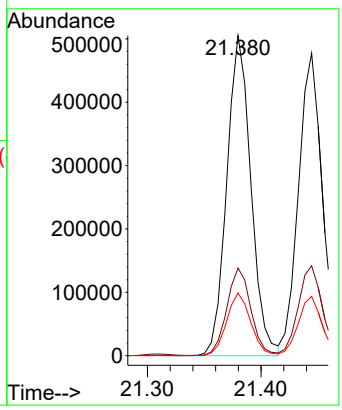




#81
Benzo(a)anthracene
Concen: 8.940 ng
RT: 21.380 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:228 Resp: 74712

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.1	33.1
229	19.6	15.7	23.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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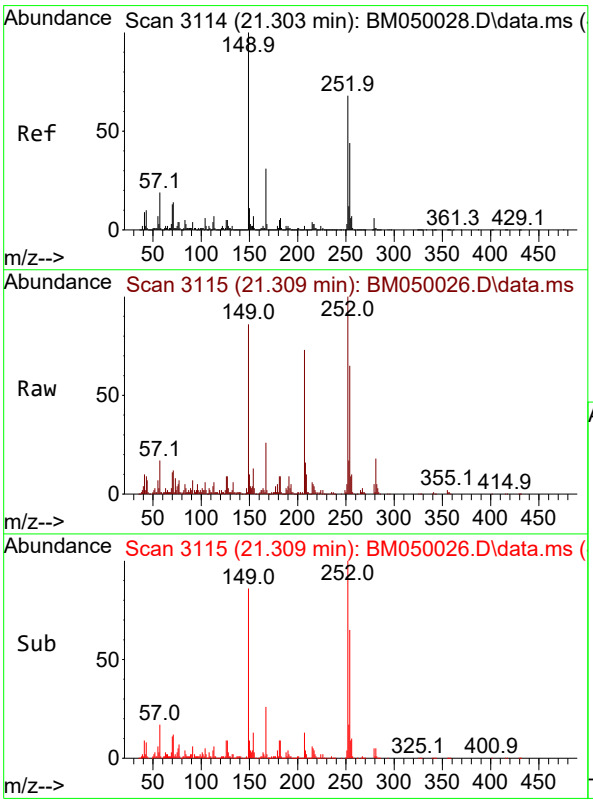
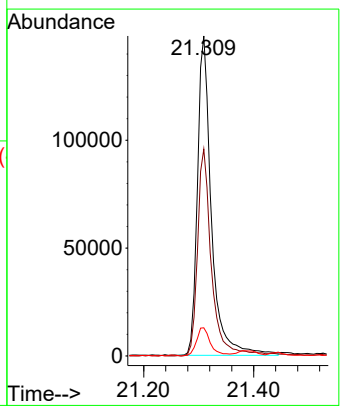
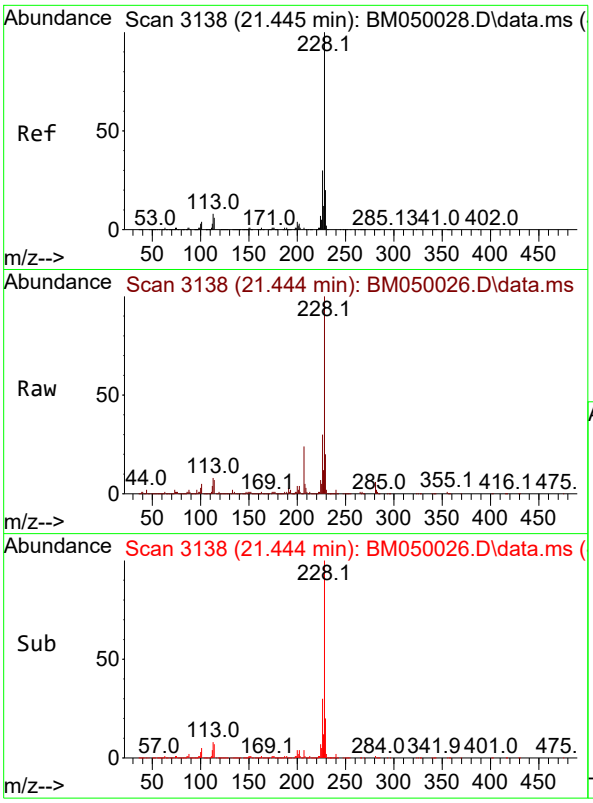


#82
3,3'-Dichlorobenzidine
Concen: 8.190 ng
RT: 21.309 min Scan# 3115
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:252 Resp: 262017

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.8	77.6
126	8.8	6.0	9.0





#83
Chrysene
Concen: 9.178 ng
RT: 21.444 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:228 Resp: 70986

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.2	36.2
229	19.6	15.7	23.5

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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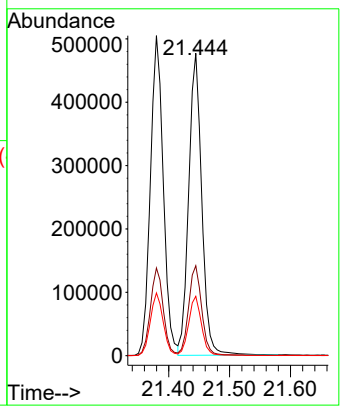
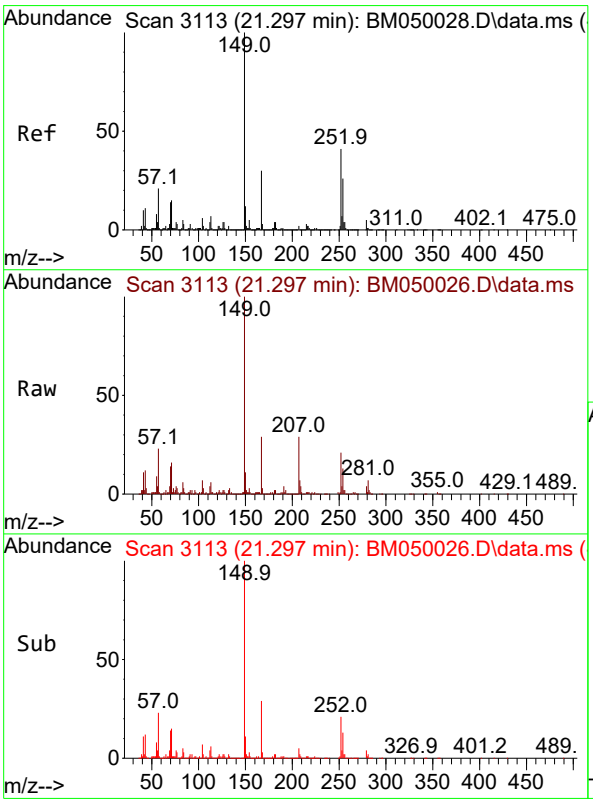
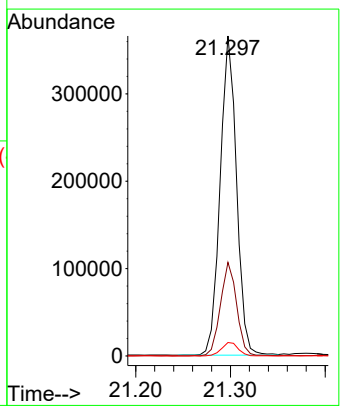


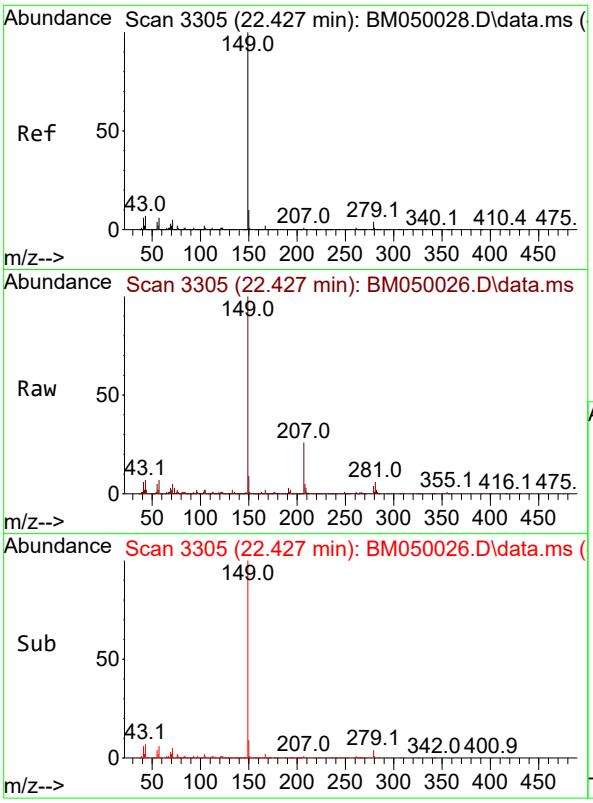


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.228 ng
RT: 21.297 min Scan# 3113
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:149 Resp: 439949

Ion	Ratio	Lower	Upper
149	100		
167	29.3	24.1	36.1
279	4.2	3.9	5.9

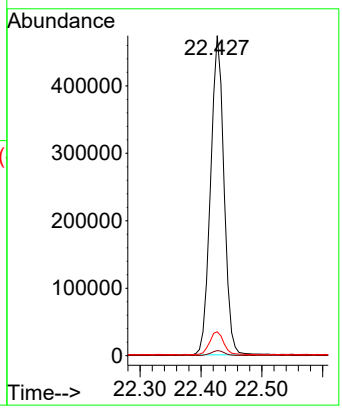




#85
Di-n-octyl phthalate
Concen: 9.236 ng
RT: 22.427 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:149 Resp: 72620

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.7	5.8	8.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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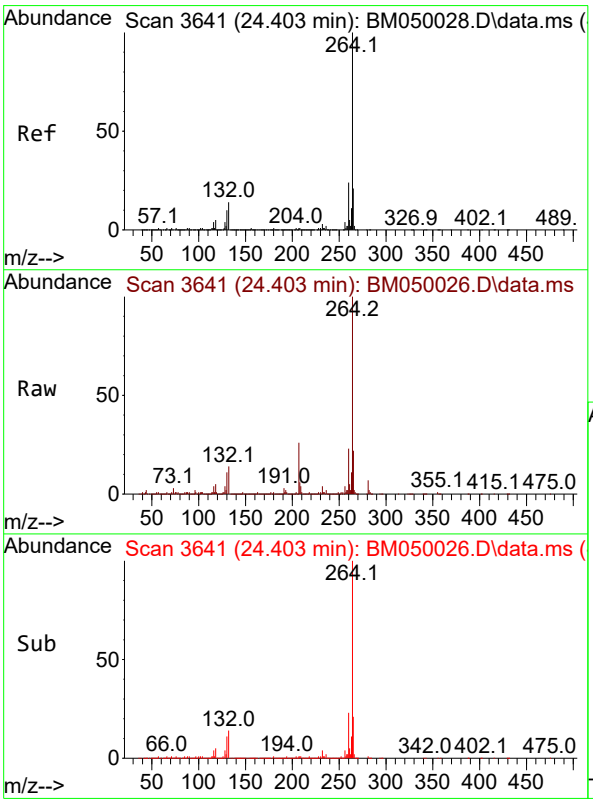
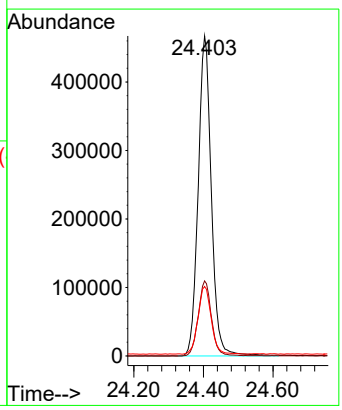
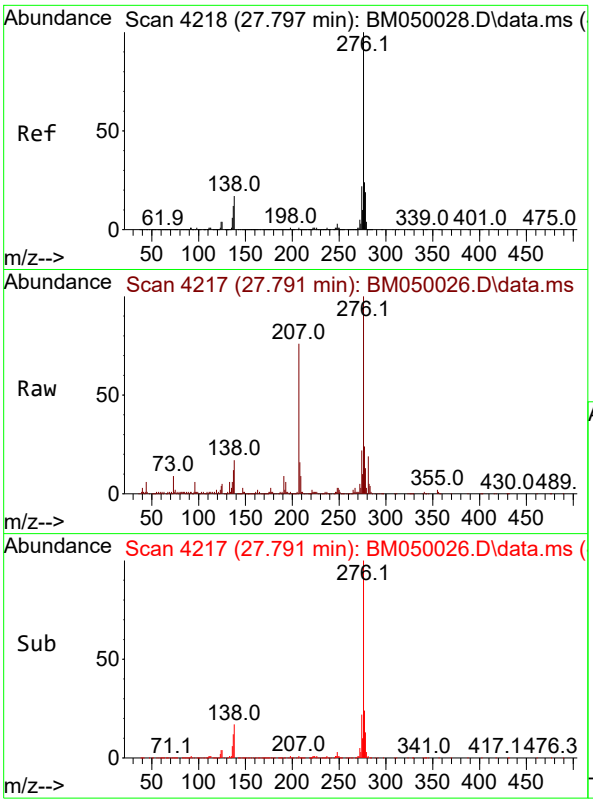


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3641
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:264 Resp: 1224339

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.8	28.2
265	21.7	17.0	25.4

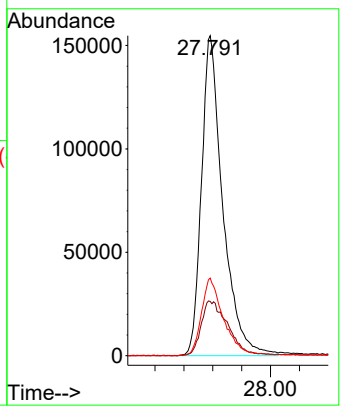




#87
Indeno(1,2,3-cd)pyrene
Concen: 8.674 ng
RT: 27.791 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:276 Resp: 79134

Ion	Ratio	Lower	Upper
276	100		
138	21.4	16.4	24.6
277	25.3	19.8	29.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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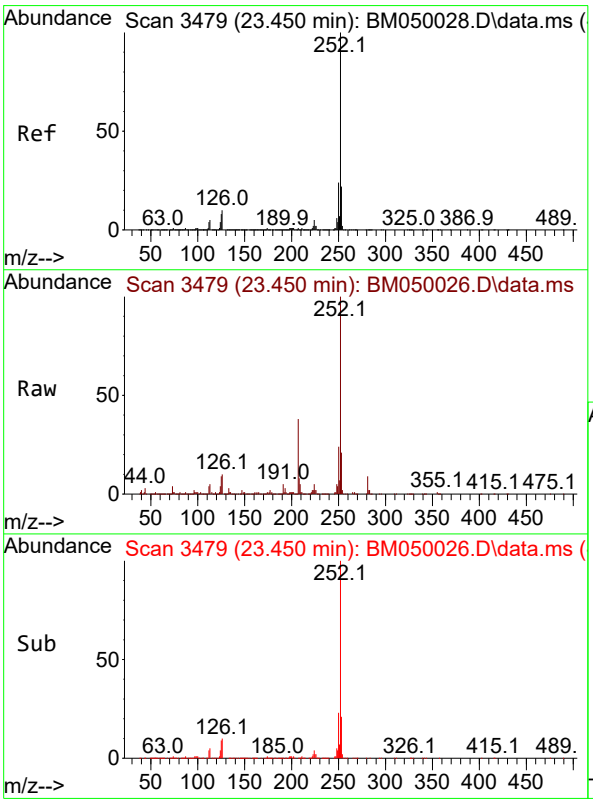
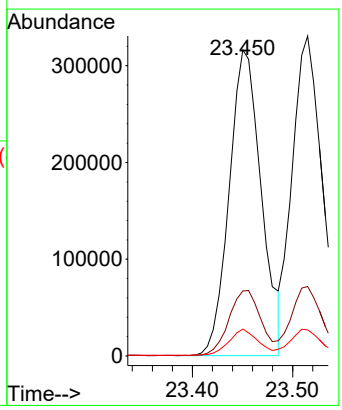
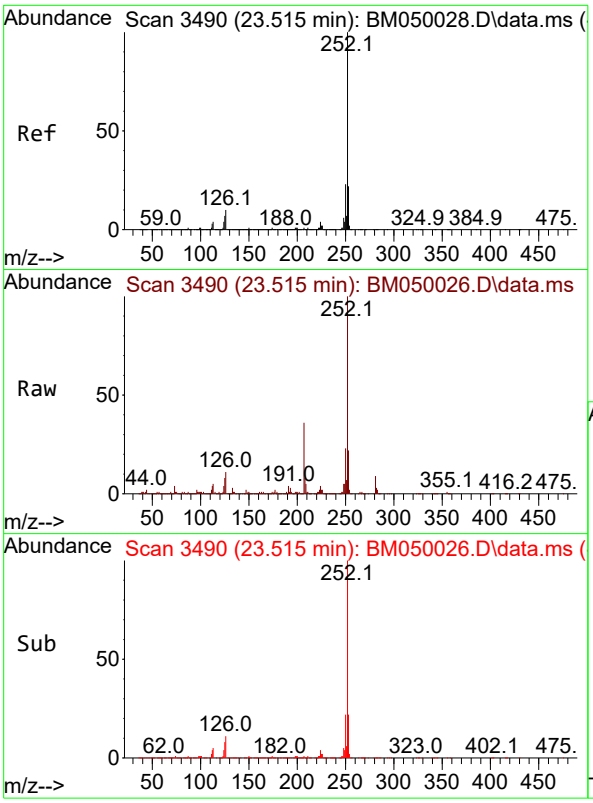


#88
Benzo(b)fluoranthene
Concen: 8.831 ng
RT: 23.450 min Scan# 3479
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:252 Resp: 703118

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.7	26.5
125	8.8	6.1	9.1





#89
Benzo(k)fluoranthene
Concen: 8.741 ng
RT: 23.515 min Scan# 34
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:252 Resp: 70414

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	8.2	5.8	8.8

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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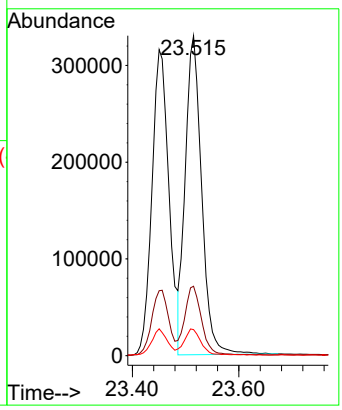
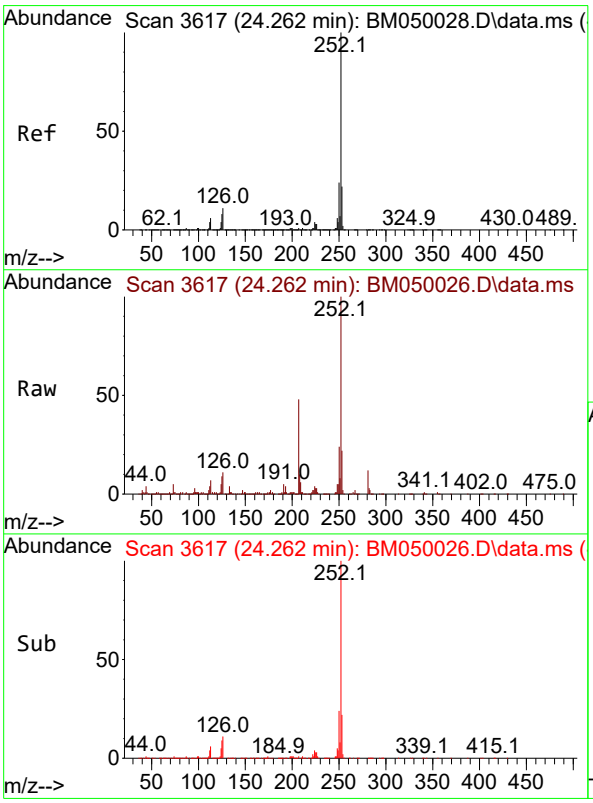
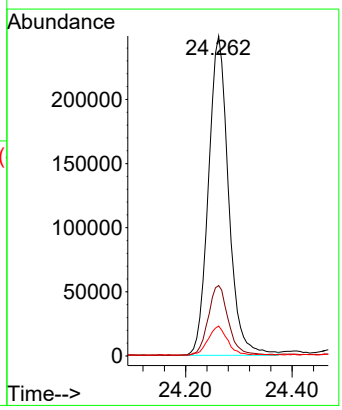


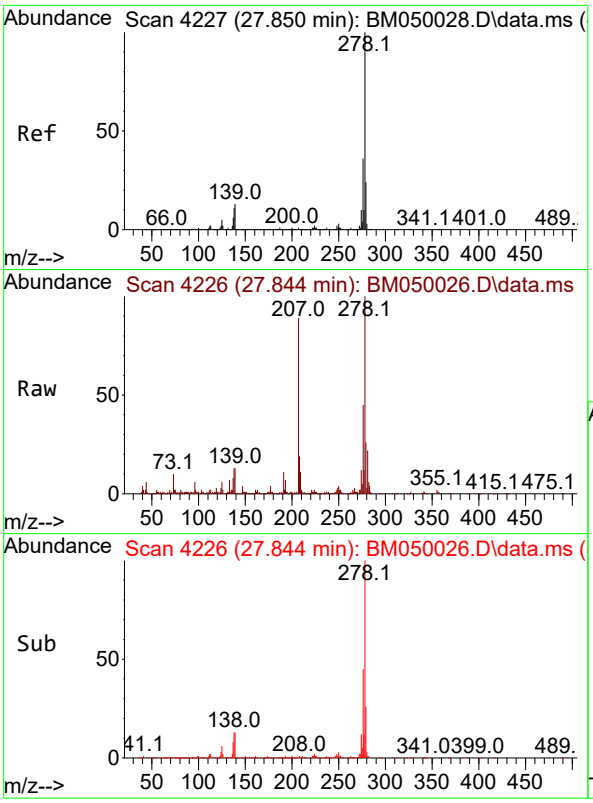


#90
Benzo(a)pyrene
Concen: 8.751 ng
RT: 24.262 min Scan# 3617
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:252 Resp: 652617

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	9.4	6.6	9.8

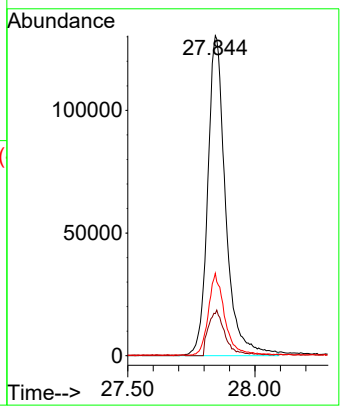




#91
Dibenzo(a,h)anthracene
Concen: 8.591 ng
RT: 27.844 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:278 Resp: 63891

Ion	Ratio	Lower	Upper
278	100		
139	13.2	10.5	15.7
279	25.8	19.4	29.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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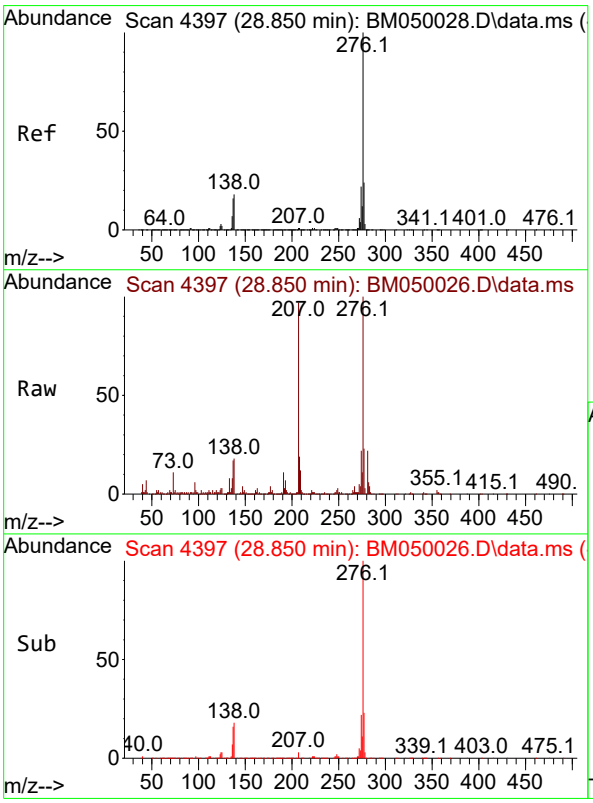
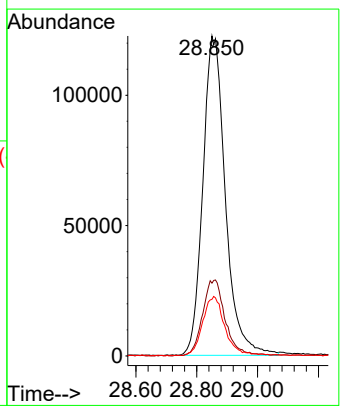


#92
Benzo(g,h,i)perylene
Concen: 8.852 ng
RT: 28.850 min Scan# 4397
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:276 Resp: 630261

Ion	Ratio	Lower	Upper
276	100		
277	22.8	19.1	28.7
138	17.7	14.3	21.5



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Data File : BM050027.D
Acq On : 28 Apr 2025 14:27
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 28 17:55:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	242715	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	896366	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	614688	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1244440	20.000	ng	0.00
76) Chrysene-d12	21.398	240	1204355	20.000	ng	0.00
86) Perylene-d12	24.403	264	1191041	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	537488	38.777	ng	0.00
7) Phenol-d6	6.951	99	678404	38.941	ng	0.00
23) Nitrobenzene-d5	8.928	82	712171	39.151	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	345020	37.960	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	2005788	38.602	ng	0.00
79) Terphenyl-d14	19.780	244	3208242	39.418	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.258	88	115944	19.509	ng	99
3) Pyridine	3.658	79	298256	19.532	ng	98
4) n-Nitrosodimethylamine	3.569	42	115296	19.251	ng	# 100
6) Aniline	7.098	93	429222	19.511	ng	99
8) 2-Chlorophenol	7.340	128	290876	19.409	ng	99
9) Benzaldehyde	6.910	77	235594	20.233	ng	98
10) Phenol	6.981	94	344567	19.537	ng	98
11) bis(2-Chloroethyl)ether	7.193	93	285330	19.375	ng	99
12) 1,3-Dichlorobenzene	7.657	146	352660	19.480	ng	99
13) 1,4-Dichlorobenzene	7.804	146	354975	19.518	ng	99
14) 1,2-Dichlorobenzene	8.122	146	345385	19.660	ng	99
15) Benzyl Alcohol	8.016	79	234541	19.413	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.293	45	350829	19.598	ng	98
17) 2-Methylphenol	8.228	107	225978	19.450	ng	99
18) Hexachloroethane	8.845	117	126530	19.571	ng	99
19) n-Nitroso-di-n-propyla...	8.575	70	223538	20.006	ng	99
20) 3+4-Methylphenols	8.557	107	307585	19.604	ng	97
22) Acetophenone	8.592	105	434539	19.499	ng	98
24) Nitrobenzene	8.969	77	309341	19.667	ng	99
25) Isophorone	9.498	82	609252	19.648	ng	99
26) 2-Nitrophenol	9.681	139	154364	19.211	ng	97
27) 2,4-Dimethylphenol	9.751	122	259319	19.460	ng	99
28) bis(2-Chloroethoxy)met...	9.975	93	378162	19.732	ng	100
29) 2,4-Dichlorophenol	10.234	162	292336	19.582	ng	99
30) 1,2,4-Trichlorobenzene	10.428	180	352792	19.397	ng	98
31) Naphthalene	10.610	128	890530	19.618	ng	99
32) Benzoic acid	9.881	122	154412m	18.168	ng	
33) 4-Chloroaniline	10.734	127	362366	19.475	ng	99
34) Hexachlorobutadiene	10.898	225	223143	19.327	ng	99
35) Caprolactam	11.516	113	84917	19.509	ng	93
36) 4-Chloro-3-methylphenol	11.875	107	270510	19.613	ng	99
37) 2-Methylnaphthalene	12.228	142	593403	19.498	ng	99
38) 1-Methylnaphthalene	12.445	142	634293	19.694	ng	99
40) 1,2,4,5-Tetrachloroben...	12.604	216	402355	18.909	ng	99
41) Hexachlorocyclopentadiene	12.575	237	222254	17.091	ng	100
43) 2,4,6-Trichlorophenol	12.851	196	260161	19.276	ng	96

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050027.D
Acq On : 28 Apr 2025 14:27
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

Quant Time: Apr 28 17:55:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44)	2,4,5-Trichlorophenol	12.939	196	278307	19.123	ng	98
46)	1,1'-Biphenyl	13.239	154	892394	19.530	ng	99
47)	2-Chloronaphthalene	13.286	162	709815	19.614	ng	100
48)	2-Nitroaniline	13.498	65	165324	19.465	ng	99
49)	Acenaphthylene	14.133	152	1112766	19.502	ng	99
50)	Dimethylphthalate	13.869	163	883120	19.659	ng	99
51)	2,6-Dinitrotoluene	13.986	165	183493	19.729	ng	99
52)	Acenaphthene	14.474	154	643177	19.474	ng	99
53)	3-Nitroaniline	14.327	138	174626	19.666	ng	97
54)	2,4-Dinitrophenol	14.551	184	80991	18.373	ng	99
55)	Dibenzofuran	14.810	168	1074975	19.562	ng	99
56)	4-Nitrophenol	14.686	139	110948	19.021	ng	96
57)	2,4-Dinitrotoluene	14.786	165	252994	19.685	ng	100
58)	Fluorene	15.457	166	879470	19.553	ng	99
59)	2,3,4,6-Tetrachlorophenol	15.051	232	244928	19.442	ng	99
60)	Diethylphthalate	15.233	149	848021	20.034	ng	99
61)	4-Chlorophenyl-phenyle...	15.451	204	473276	19.157	ng	95
62)	4-Nitroaniline	15.492	138	170438	19.880	ng	95
63)	Azobenzene	15.745	77	707026	19.930	ng	99
65)	4,6-Dinitro-2-methylph...	15.557	198	136910	17.576	ng	94
66)	n-Nitrosodiphenylamine	15.669	169	741920	19.415	ng	99
67)	4-Bromophenyl-phenylether	16.345	248	285352	18.962	ng	98
68)	Hexachlorobenzene	16.468	284	327912	18.903	ng	98
69)	Atrazine	16.621	200	266068	19.303	ng	98
70)	Pentachlorophenol	16.821	266	175794	18.004	ng	99
71)	Phenanthrene	17.198	178	1348190	19.208	ng	100
72)	Anthracene	17.292	178	1364462	19.210	ng	100
73)	Carbazole	17.568	167	1194316	19.377	ng	99
74)	Di-n-butylphthalate	18.121	149	1432688	19.519	ng	99
75)	Fluoranthene	19.221	202	1555160	18.872	ng	99
77)	Benzidine	19.409	184	777502	18.175	ng	99
78)	Pyrene	19.580	202	1603874	18.964	ng	100
80)	Butylbenzylphthalate	20.474	149	620751	19.597	ng	94
81)	Benzo(a)anthracene	21.380	228	1591290	19.187	ng	100
82)	3,3'-Dichlorobenzidine	21.303	252	582038	18.333	ng	99
83)	Chrysene	21.445	228	1461777	19.044	ng	99
84)	Bis(2-ethylhexyl)phtha...	21.298	149	933505	19.730	ng	98
85)	Di-n-octyl phthalate	22.427	149	1525599	19.552	ng	100
87)	Indeno(1,2,3-cd)pyrene	27.791	276	1671967	18.840	ng	99
88)	Benzo(b)fluoranthene	23.450	252	1439776	18.588	ng	99
89)	Benzo(k)fluoranthene	23.515	252	1489410	19.005	ng	100
90)	Benzo(a)pyrene	24.262	252	1365706	18.825	ng	99
91)	Dibenzo(a,h)anthracene	27.838	278	1360269	18.803	ng	99
92)	Benzo(g,h,i)perylene	28.850	276	1316513	19.008	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050027.D
Acq On : 28 Apr 2025 14:27
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 28 17:55:16 2025
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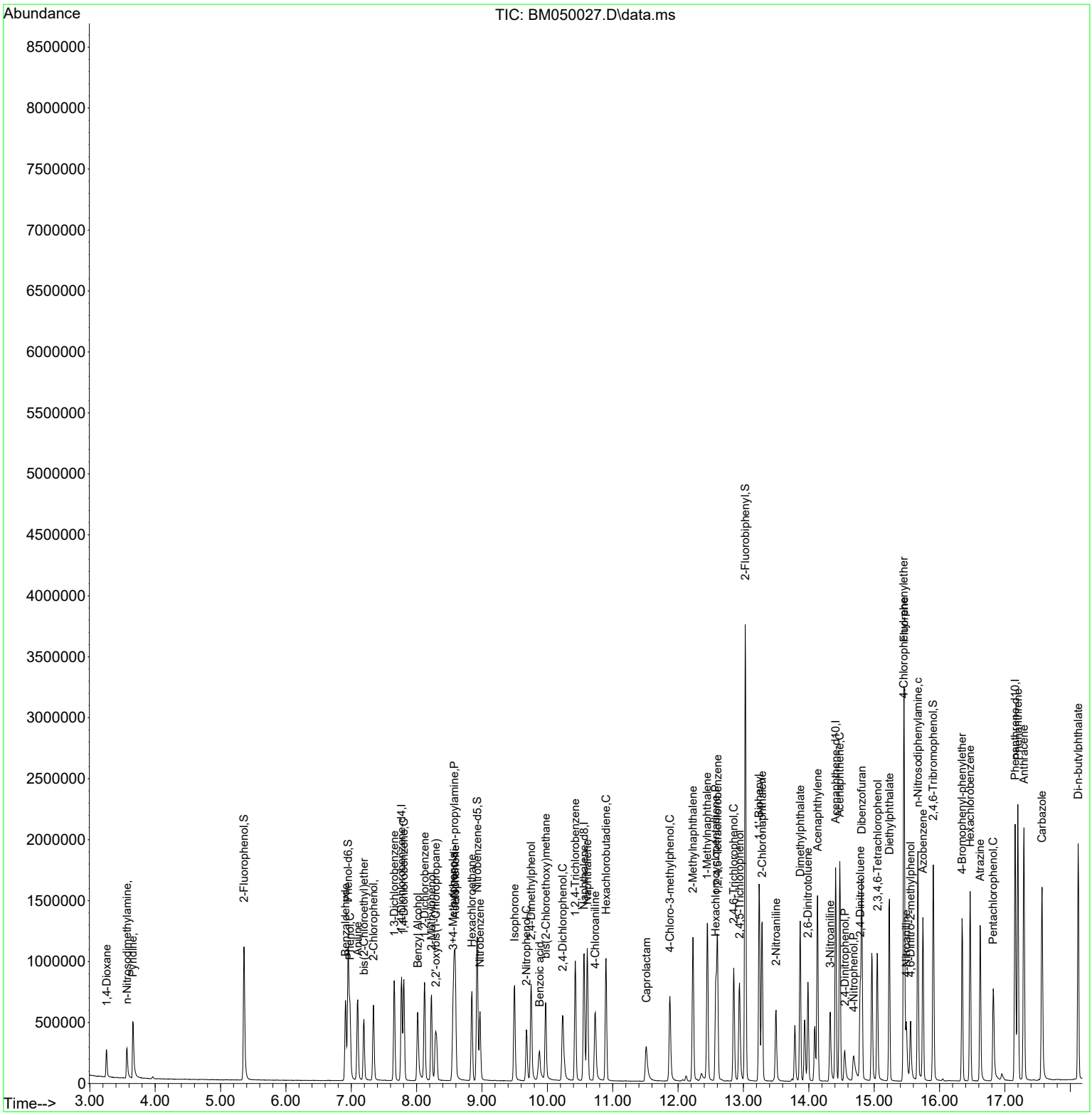

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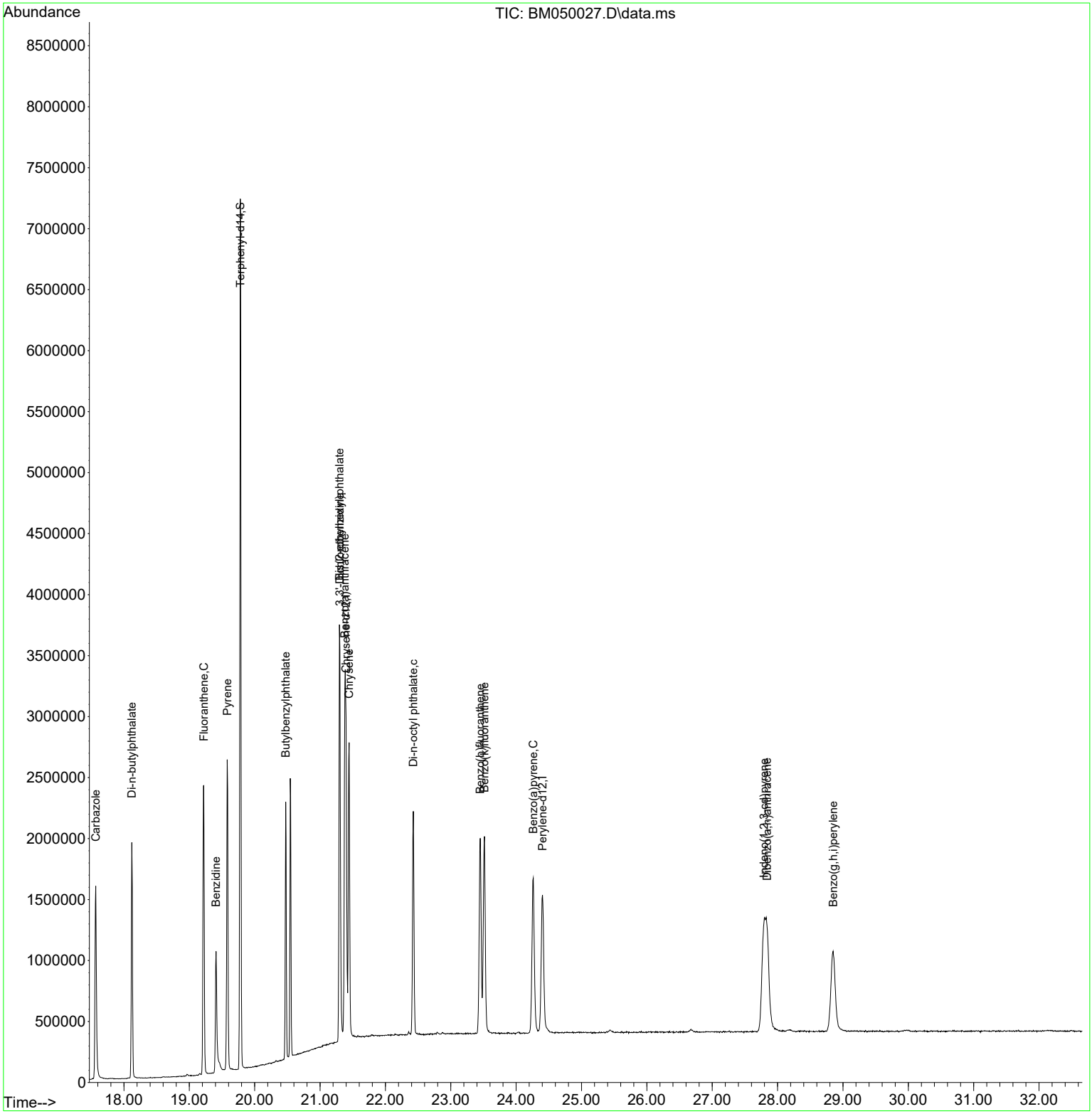
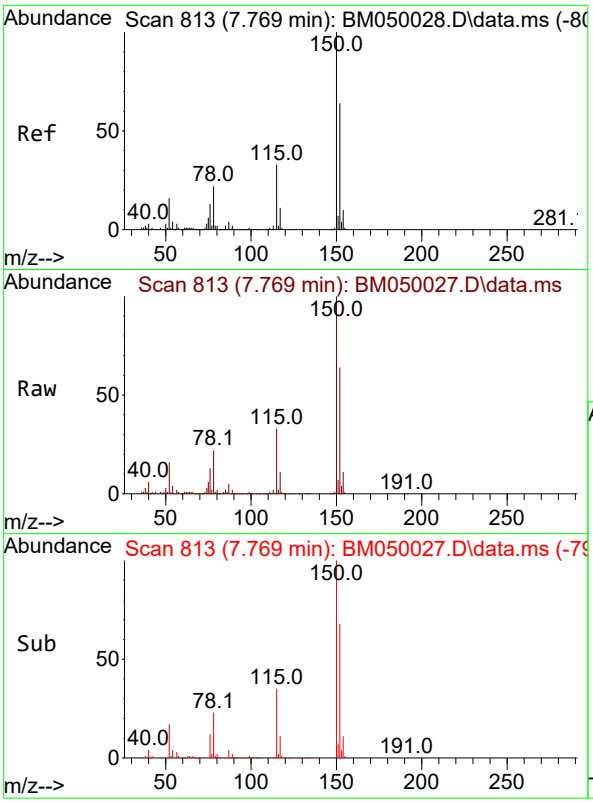
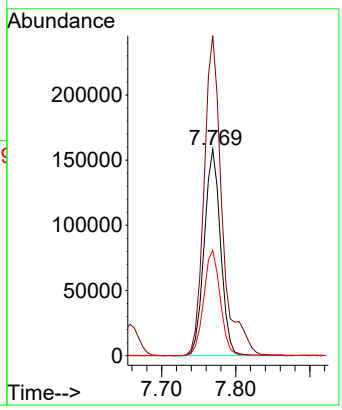




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:152 Resp: 24271

Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.1	186.1
115	51.1	41.2	61.8



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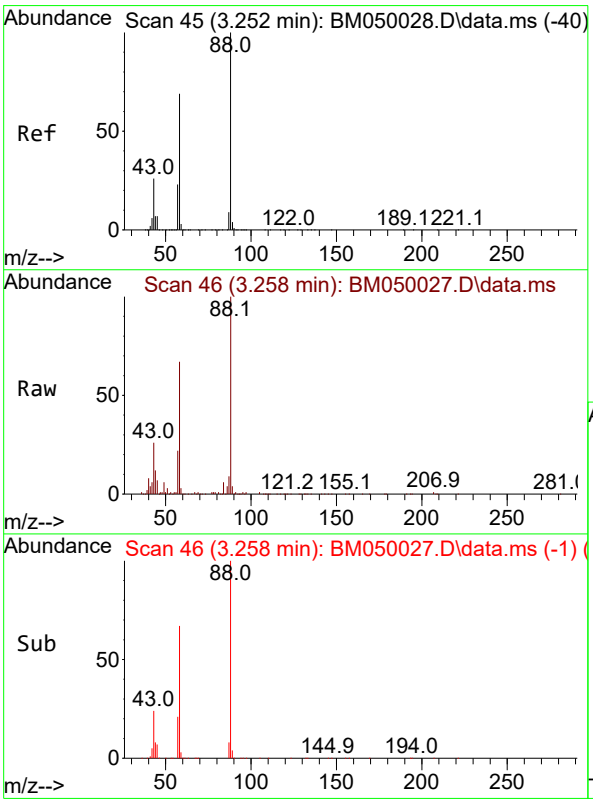
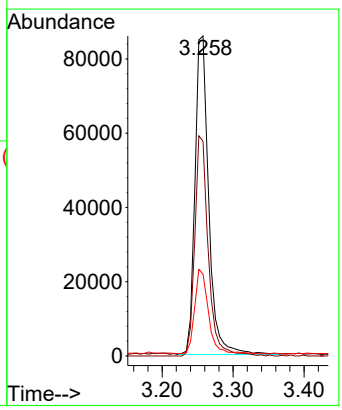
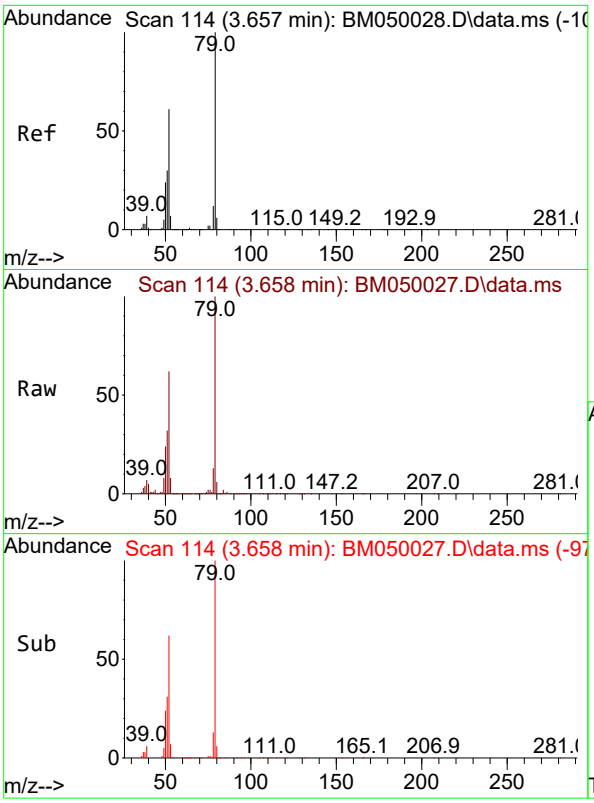


#2
1,4-Dioxane
Concen: 19.509 ng
RT: 3.258 min Scan# 46
Delta R.T. 0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 88 Resp: 115944

Ion	Ratio	Lower	Upper
88	100		
58	67.9	55.1	82.7
43	26.7	20.9	31.3

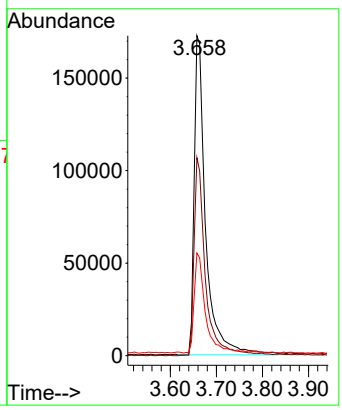




#3
Pyridine
Concen: 19.532 ng
RT: 3.658 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 79 Resp: 29825

Ion	Ratio	Lower	Upper
79	100		
52	61.8	48.6	72.8
51	32.1	24.6	37.0



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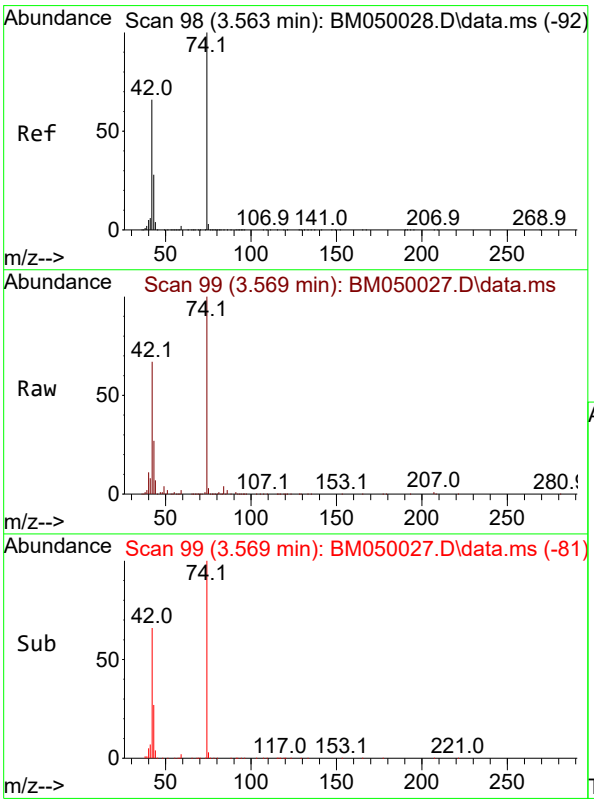
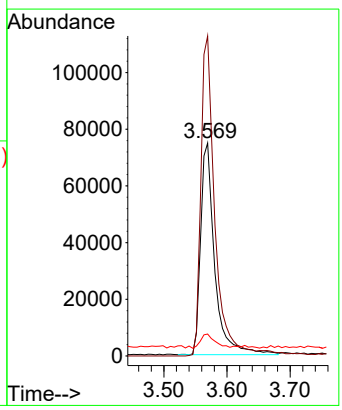
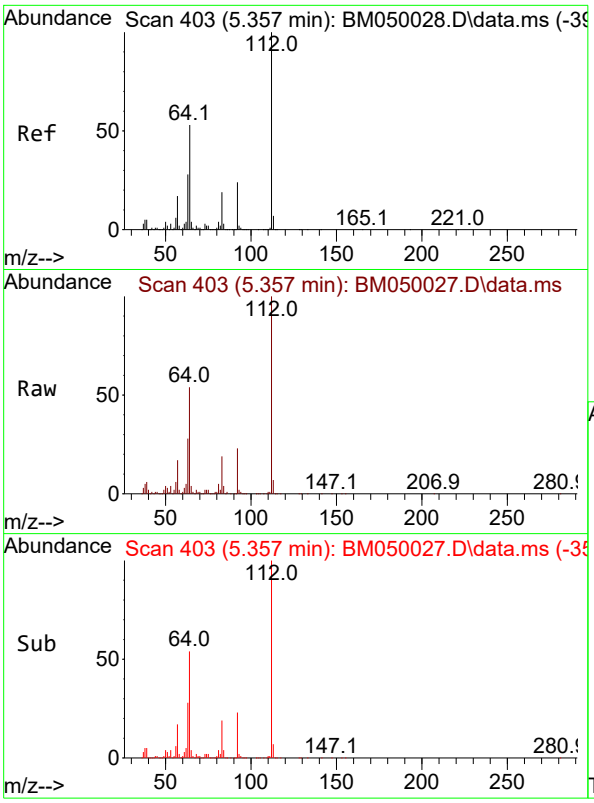


#4
n-Nitrosodimethylamine
Concen: 19.251 ng
RT: 3.569 min Scan# 99
Delta R.T. 0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 42 Resp: 115296

Ion	Ratio	Lower	Upper
42	100		
74	150.3	120.2	180.2
44	10.3	6.2	9.2#

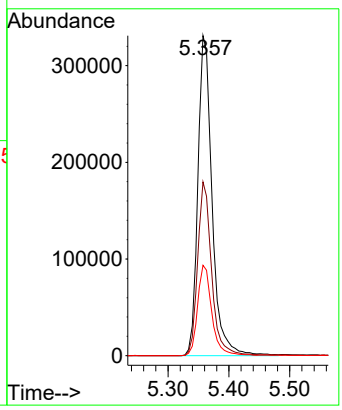




#5
2-Fluorophenol
Concen: 38.777 ng
RT: 5.357 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:112 Resp: 53748

Ion	Ratio	Lower	Upper
112	100		
64	54.3	42.6	64.0
63	28.2	22.2	33.4



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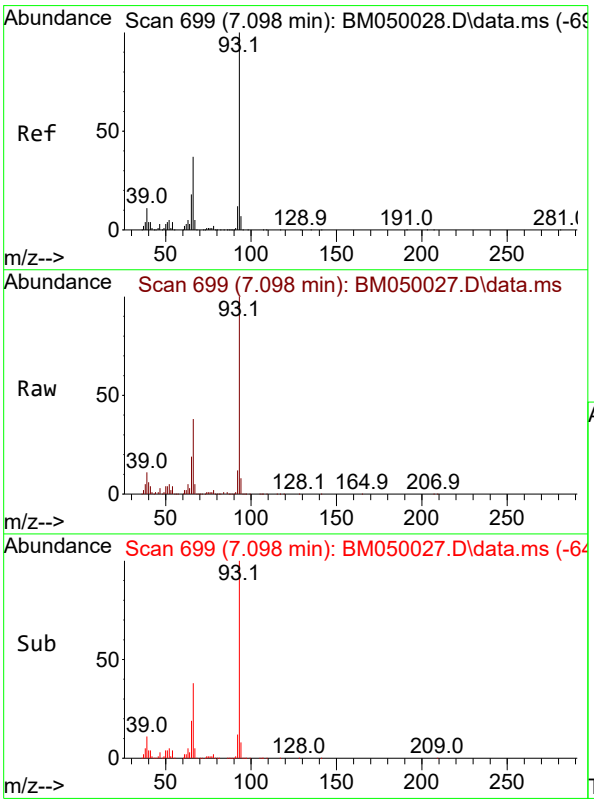
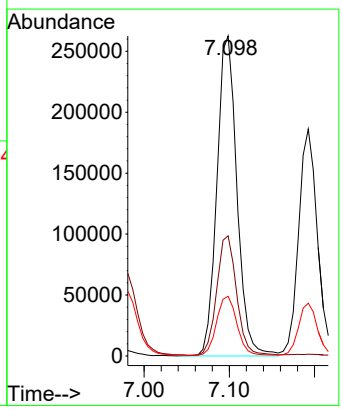
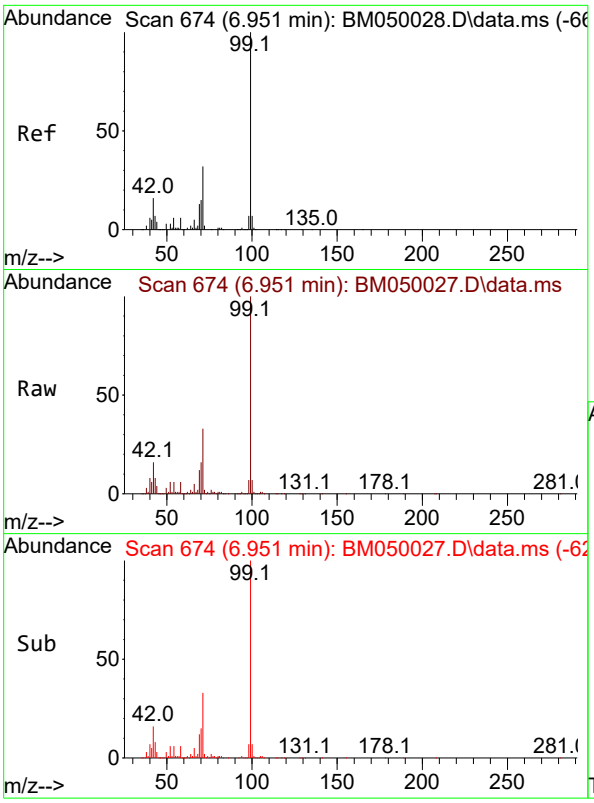


#6
Aniline
Concen: 19.511 ng
RT: 7.098 min Scan# 699
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 93 Resp: 429222

Ion	Ratio	Lower	Upper
93	100		
66	37.5	29.9	44.9
65	18.7	14.5	21.7

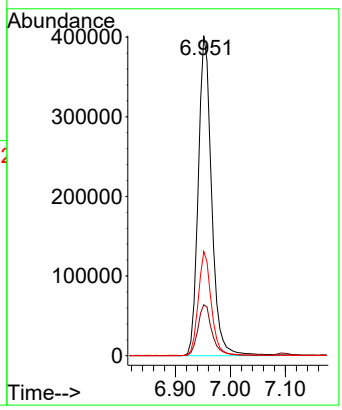




#7
Phenol-d6
Concen: 38.941 ng
RT: 6.951 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 99 Resp: 67840

Ion	Ratio	Lower	Upper
99	100		
42	15.9	13.0	19.4
71	32.6	25.6	38.4



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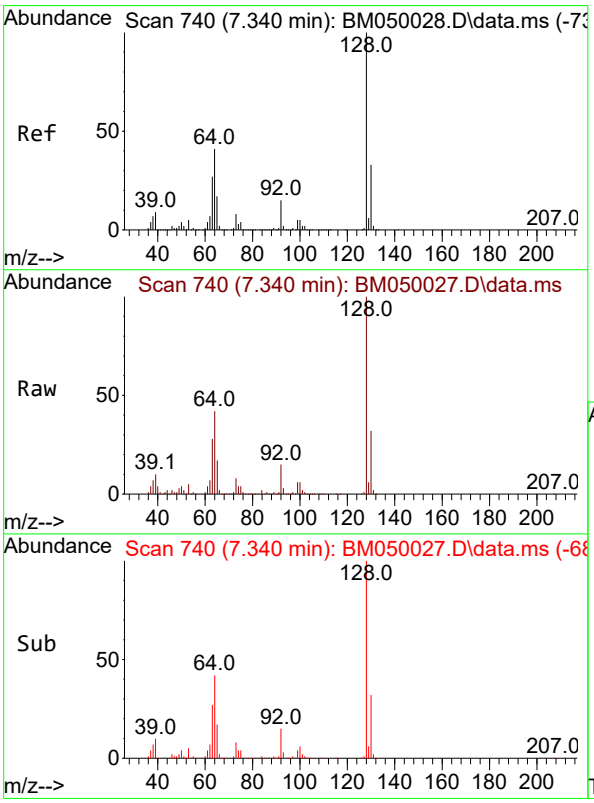
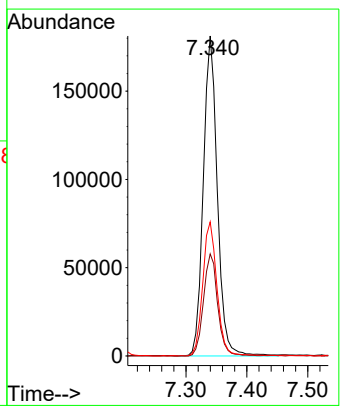
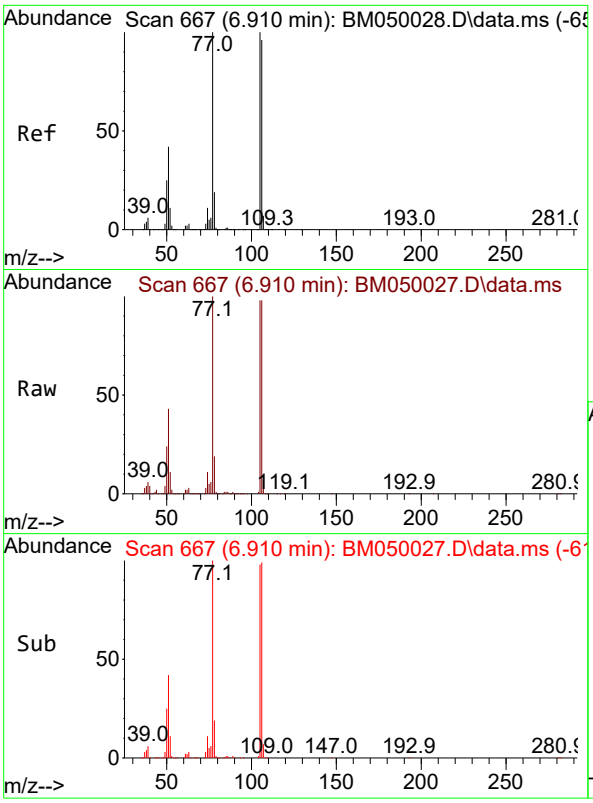


#8
2-Chlorophenol
Concen: 19.409 ng
RT: 7.340 min Scan# 740
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:128 Resp: 290876

Ion	Ratio	Lower	Upper
128	100		
130	31.9	12.8	52.8
64	41.9	21.2	61.2

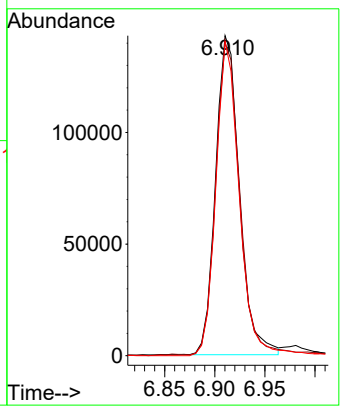




#9
Benzaldehyde
Concen: 20.233 ng
RT: 6.910 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 77 Resp: 23559

Ion	Ratio	Lower	Upper
77	100		
105	97.9	80.5	120.5
106	98.3	76.1	116.1



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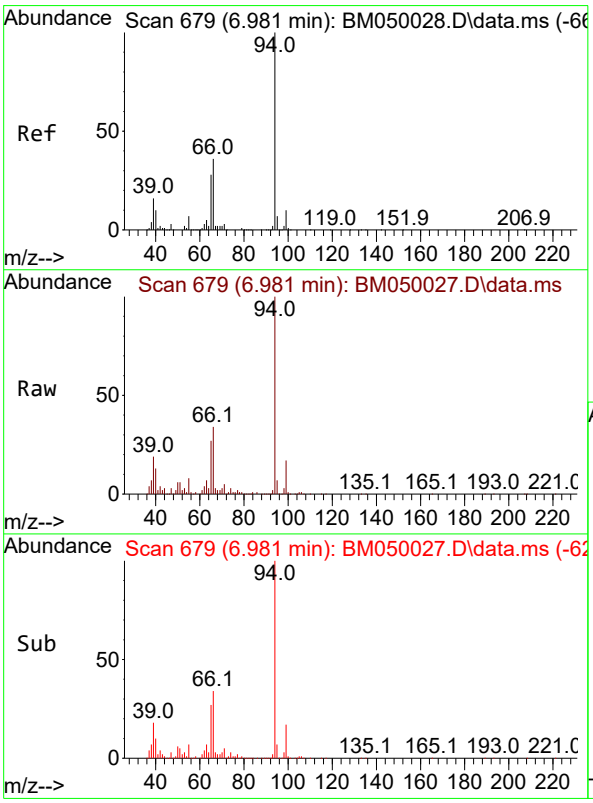
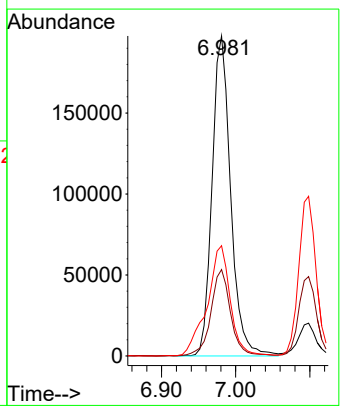
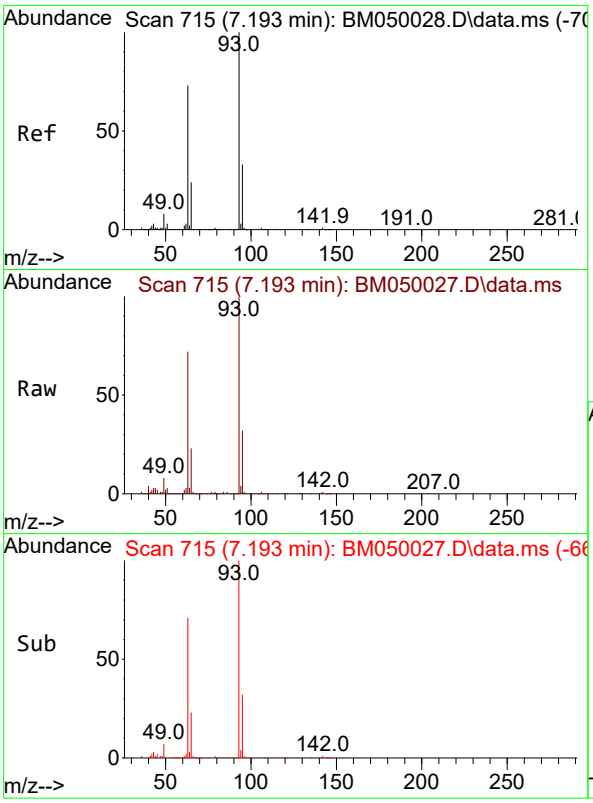


#10
Phenol
Concen: 19.537 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 94 Resp: 344567

Ion	Ratio	Lower	Upper
94	100		
65	27.0	7.6	47.6
66	34.4	15.8	55.8

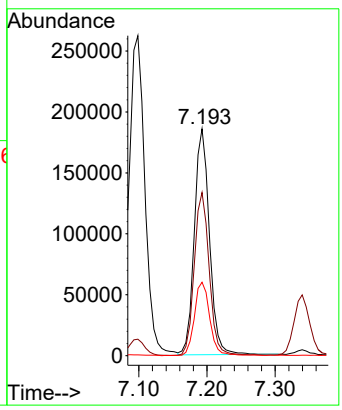




#11
bis(2-Chloroethyl)ether
Concen: 19.375 ng
RT: 7.193 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 93 Resp: 28533

Ion	Ratio	Lower	Upper
93	100		
63	71.9	52.3	92.3
95	32.4	12.8	52.8



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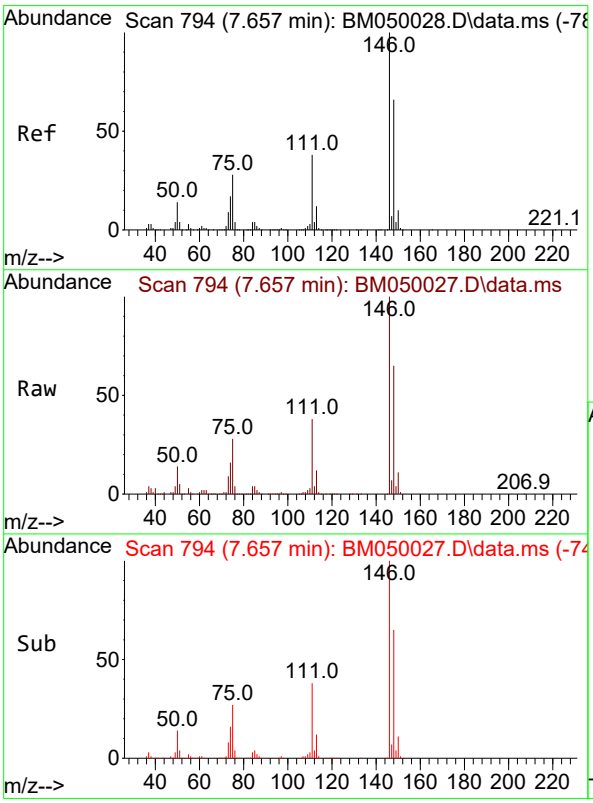
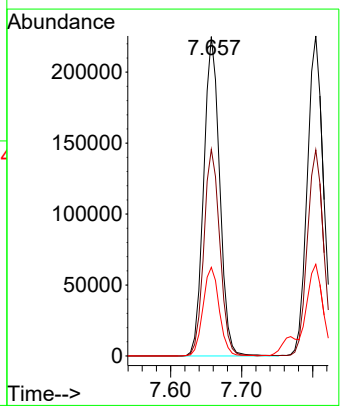
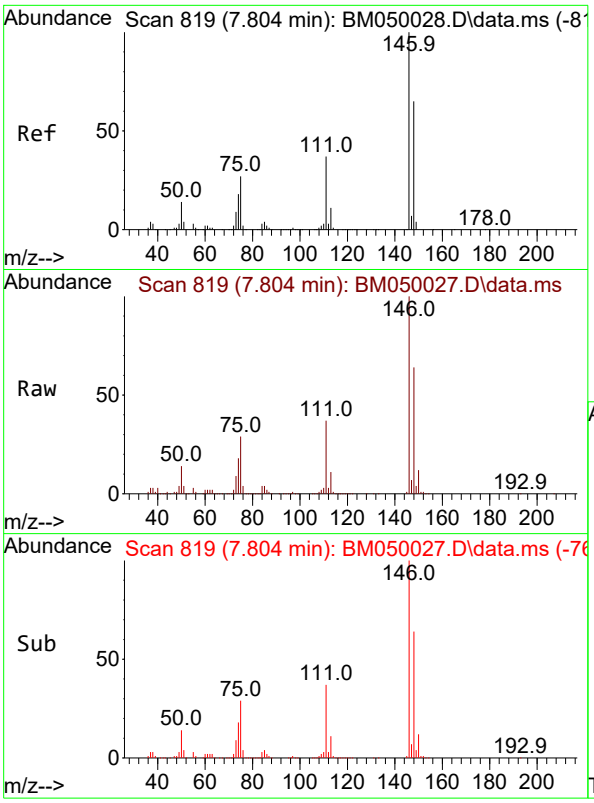


#12
1,3-Dichlorobenzene
Concen: 19.480 ng
RT: 7.657 min Scan# 794
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:146 Resp: 352660

Ion	Ratio	Lower	Upper
146	100		
148	64.7	52.5	78.7
75	27.8	22.6	34.0

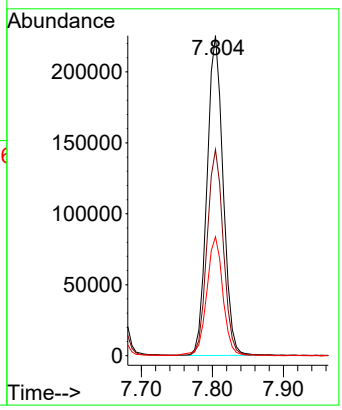




#13
1,4-Dichlorobenzene
Concen: 19.518 ng
RT: 7.804 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:146 Resp: 35497

Ion	Ratio	Lower	Upper
146	100		
148	64.4	52.2	78.2
111	37.2	29.3	43.9



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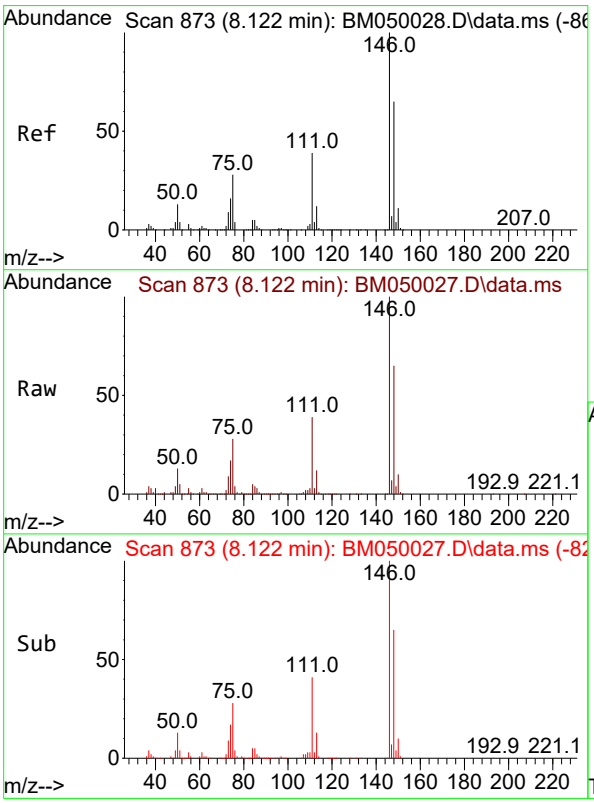
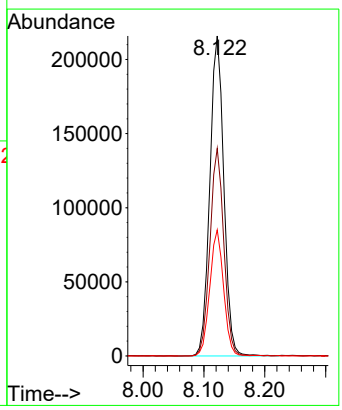
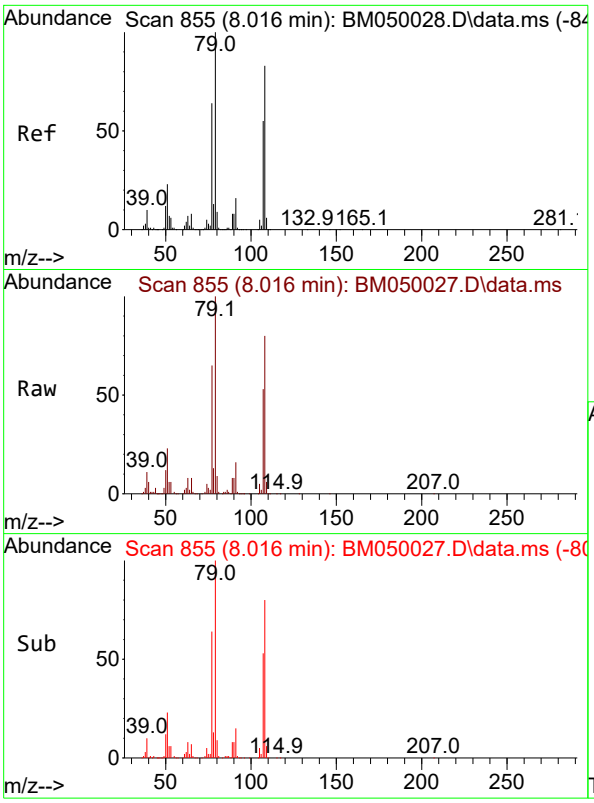


#14
1,2-Dichlorobenzene
Concen: 19.660 ng
RT: 8.122 min Scan# 873
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:146 Resp: 345385

Ion	Ratio	Lower	Upper
146	100		
148	64.8	52.4	78.6
111	39.4	31.0	46.6

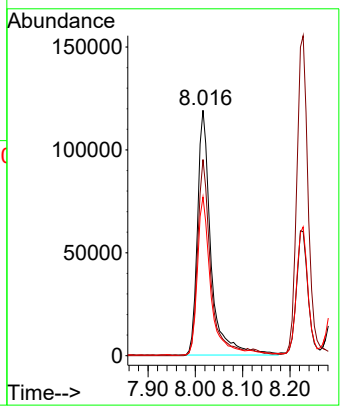




#15
Benzyl Alcohol
Concen: 19.413 ng
RT: 8.016 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 79 Resp: 23454

Ion	Ratio	Lower	Upper
79	100		
108	79.9	66.0	99.0
77	64.6	51.6	77.4



Instrument :
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ClientSampleId :
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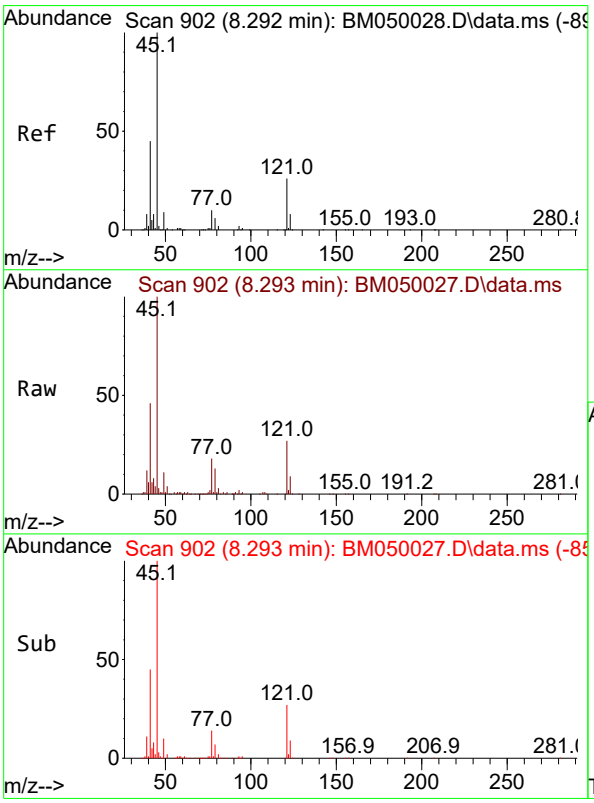
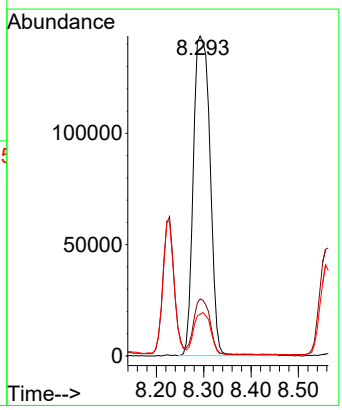
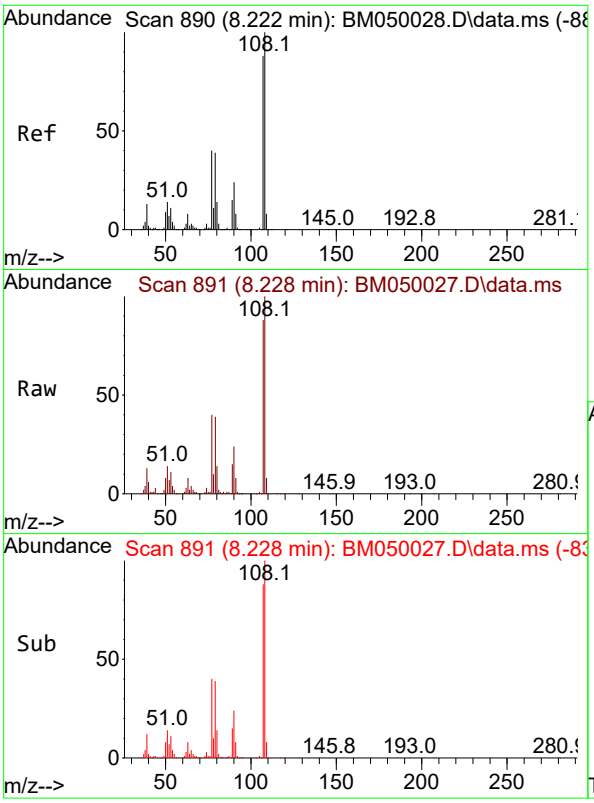


#16
2,2'-oxybis(1-Chloropropane)
Concen: 19.598 ng
RT: 8.293 min Scan# 902
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 45 Resp: 350829

Ion	Ratio	Lower	Upper
45	100		
77	17.8	0.0	36.4
79	13.0	0.0	32.7

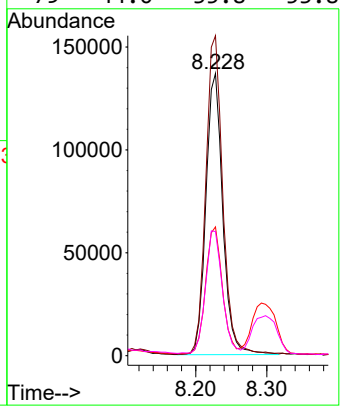




#17
2-Methylphenol
Concen: 19.450 ng
RT: 8.228 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:107 Resp: 22597

Ion	Ratio	Lower	Upper
107	100		
108	113.4	91.1	136.7
77	45.7	36.2	54.4
79	44.0	35.8	53.8



Instrument :
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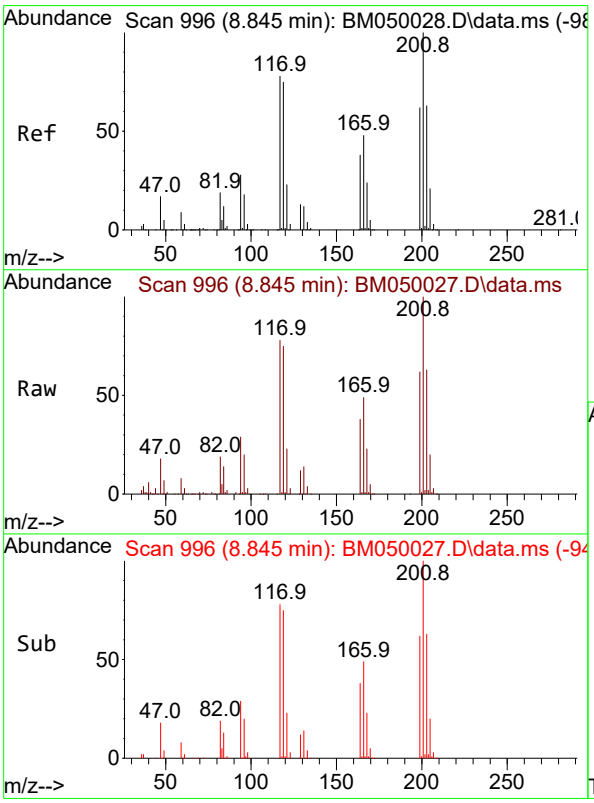
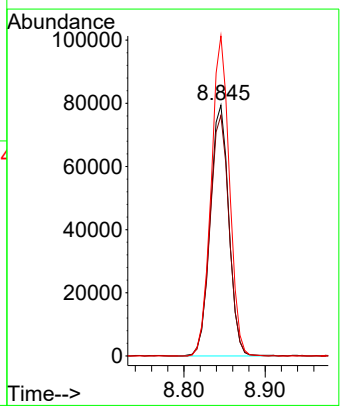
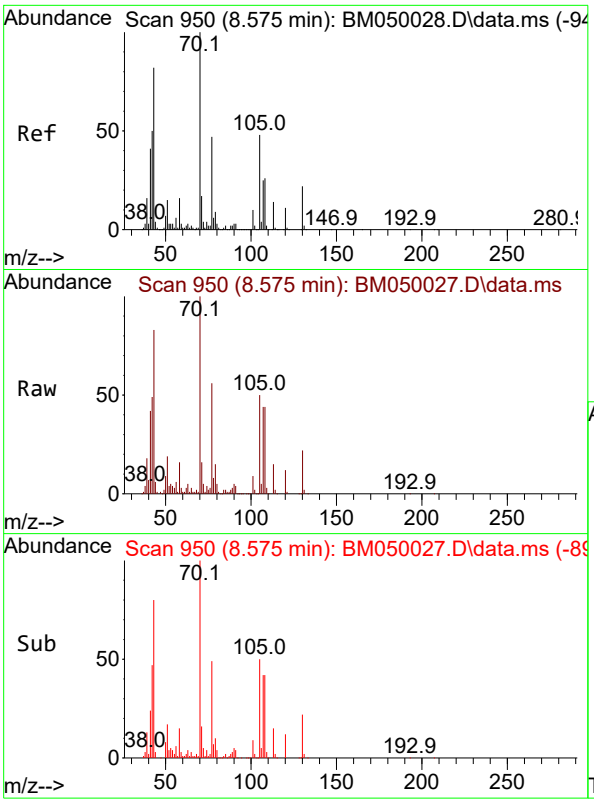


#18
Hexachloroethane
Concen: 19.571 ng
RT: 8.845 min Scan# 996
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:117 Resp: 126530

Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.3	115.9
201	127.6	102.8	154.2

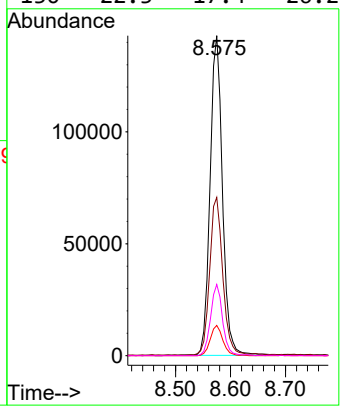




#19
n-Nitroso-di-n-propylamine
Concen: 20.006 ng
RT: 8.575 min Scan# 9
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 70 Resp: 22353

Ion	Ratio	Lower	Upper
70	100		
42	49.5	40.5	60.7
101	9.5	7.8	11.6
130	22.3	17.4	26.2



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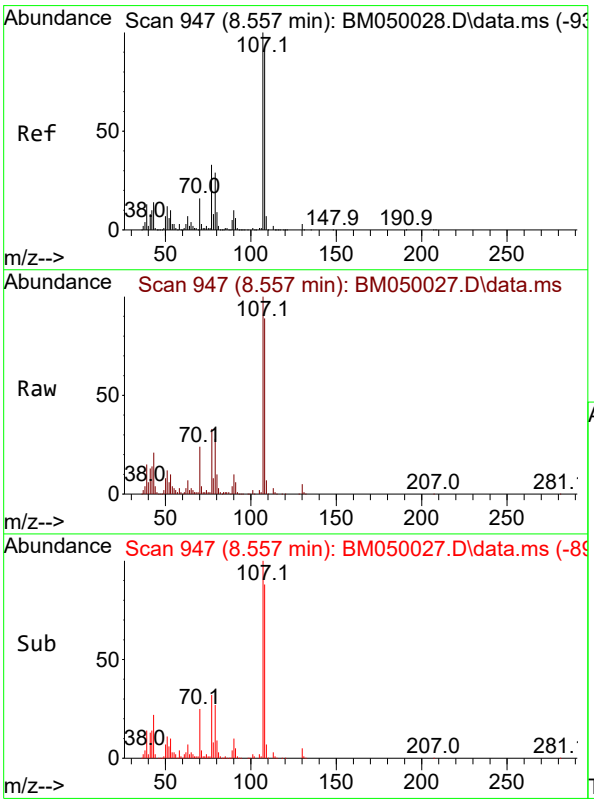
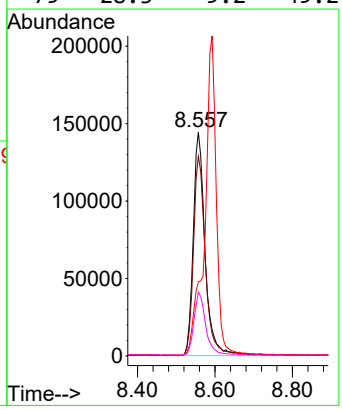
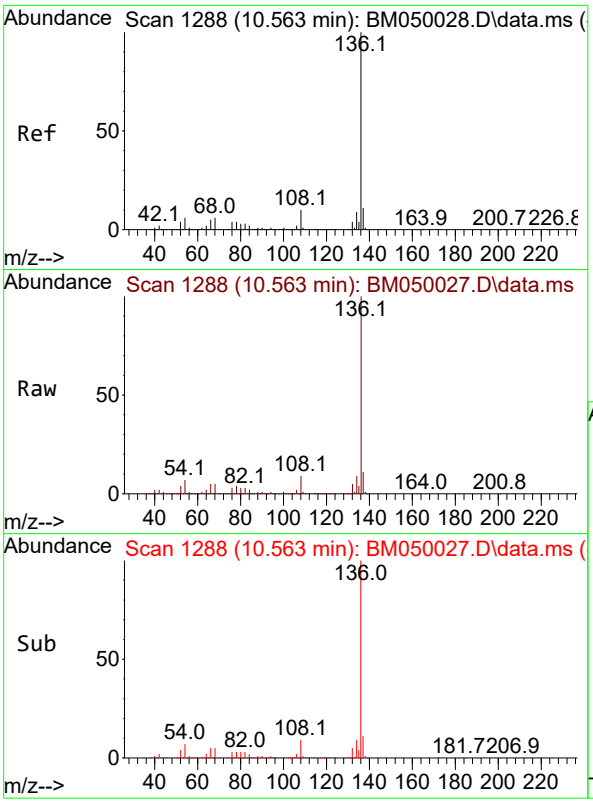


#20
3+4-Methylphenols
Concen: 19.604 ng
RT: 8.557 min Scan# 947
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:107 Resp: 307585

Ion	Ratio	Lower	Upper
107	100		
108	89.1	72.4	112.4
77	33.1	13.6	53.6
79	28.3	9.2	49.2

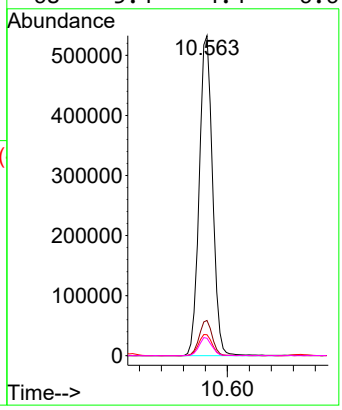




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:136 Resp: 89636

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	6.6	5.1	7.7
68	5.4	4.4	6.6



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ClientSampleId :
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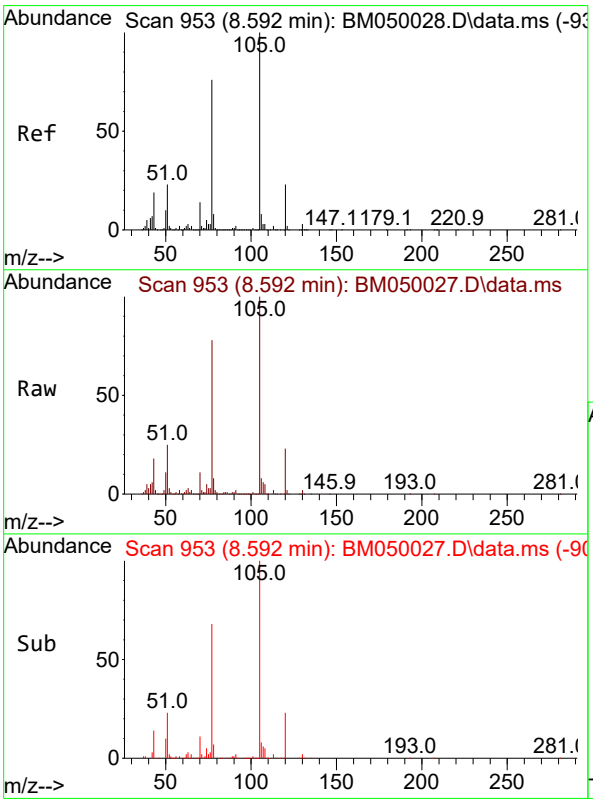
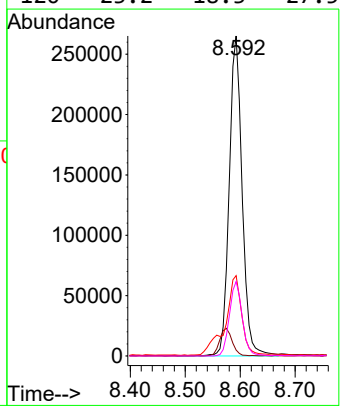
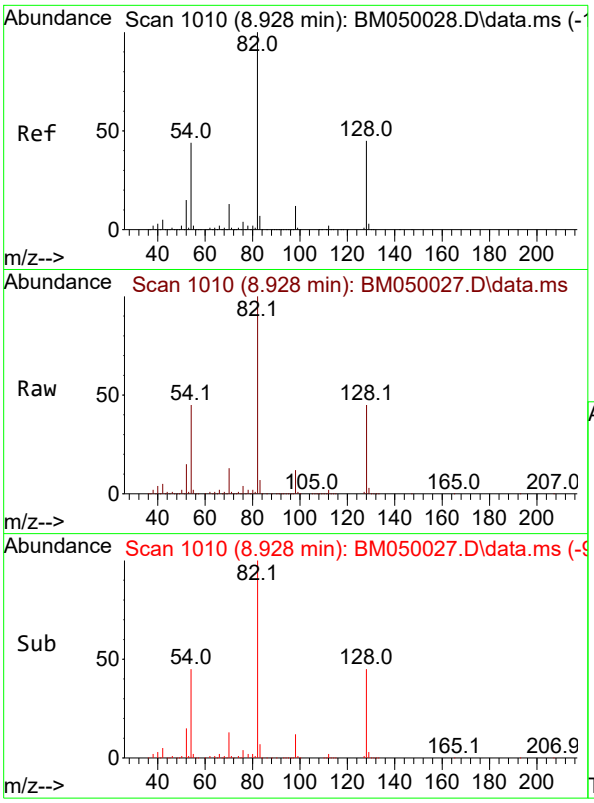


#22
Acetophenone
Concen: 19.499 ng
RT: 8.592 min Scan# 953
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:105 Resp: 434539

Ion	Ratio	Lower	Upper
105	100		
71	1.9	1.7	2.5
51	25.1	18.6	27.8
120	23.2	18.3	27.5

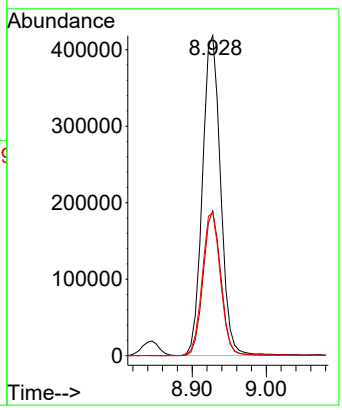




#23
Nitrobenzene-d5
Concen: 39.151 ng
RT: 8.928 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 82 Resp: 71217

Ion	Ratio	Lower	Upper
82	100		
128	45.2	35.7	53.5
54	44.8	35.4	53.2



Instrument :
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ClientSampleId :
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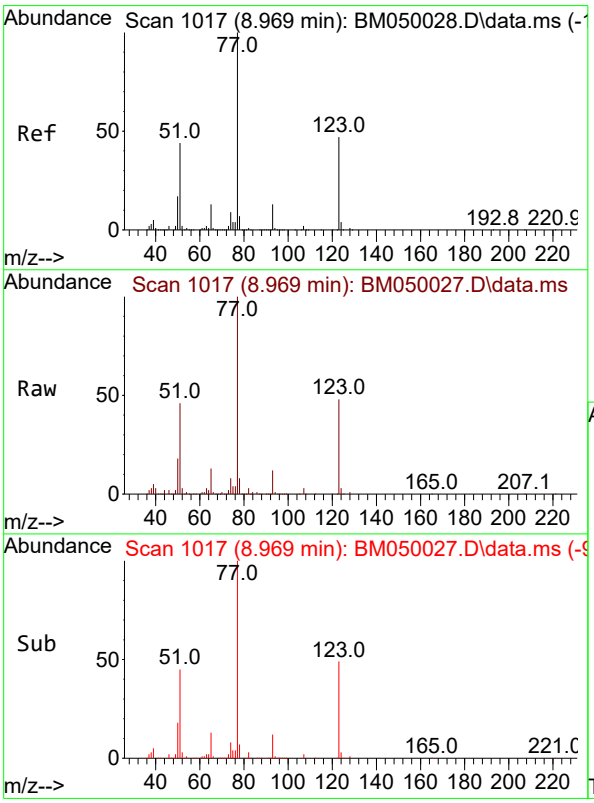
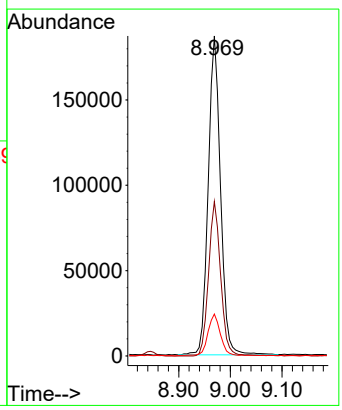
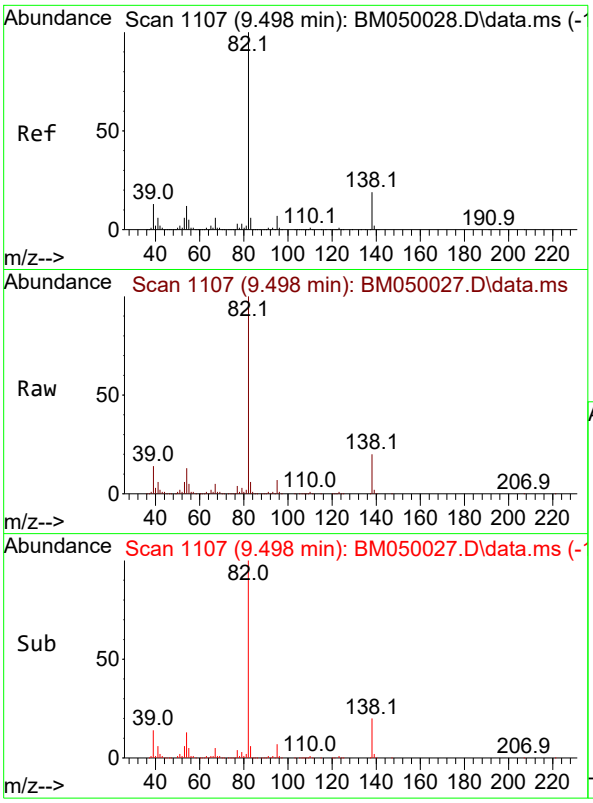


#24
Nitrobenzene
Concen: 19.667 ng
RT: 8.969 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 77 Resp: 309341

Ion	Ratio	Lower	Upper
77	100		
123	48.2	37.9	56.9
65	13.1	10.1	15.1





#25
Isophorone
Concen: 19.648 ng
RT: 9.498 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 82 Resp: 60925

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.7	8.5
138	20.1	15.5	23.3

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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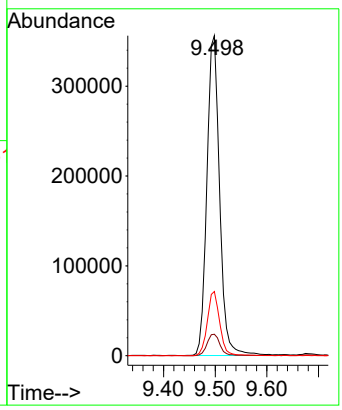
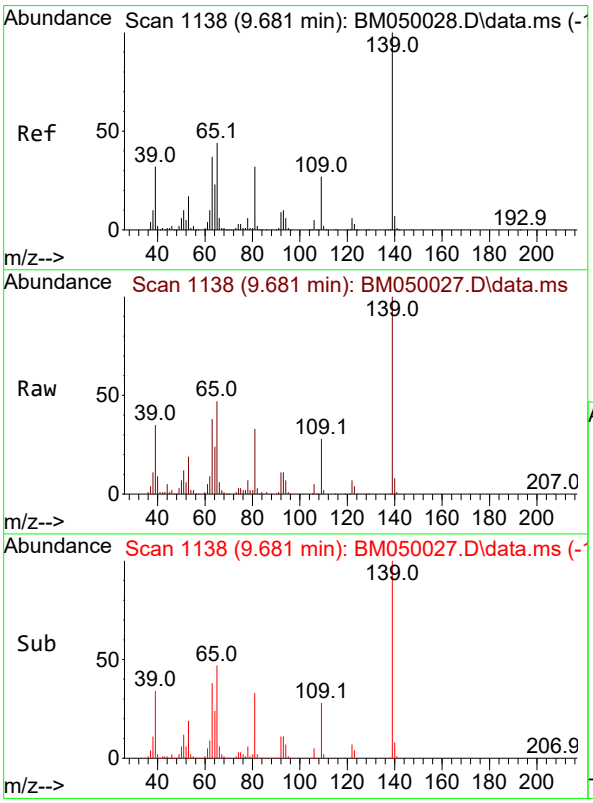
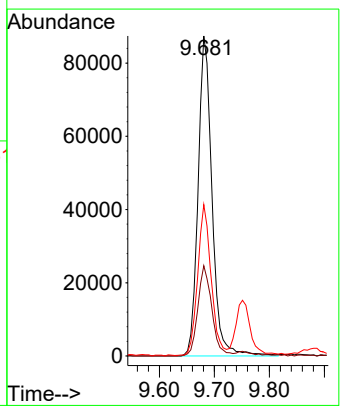


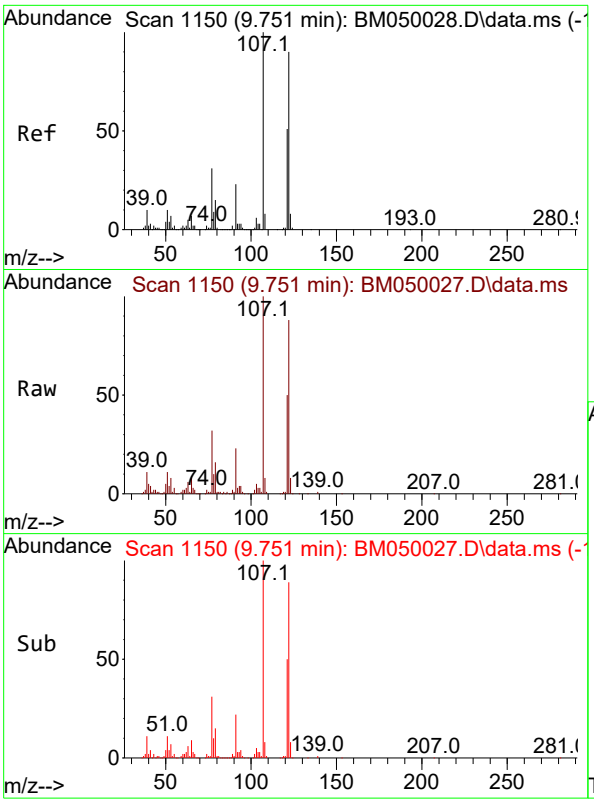


#26
2-Nitrophenol
Concen: 19.211 ng
RT: 9.681 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:139 Resp: 154364

Ion	Ratio	Lower	Upper
139	100		
109	28.2	21.9	32.9
65	47.3	35.4	53.2

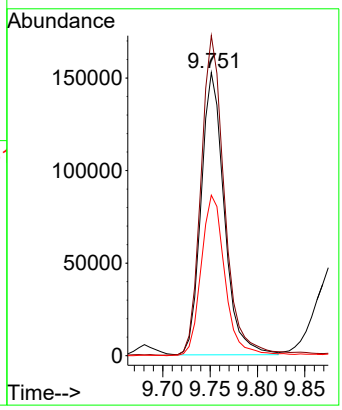




#27
2,4-Dimethylphenol
Concen: 19.460 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:122 Resp: 25931

Ion	Ratio	Lower	Upper
122	100		
107	113.1	89.0	133.6
121	56.7	45.6	68.4



Instrument :
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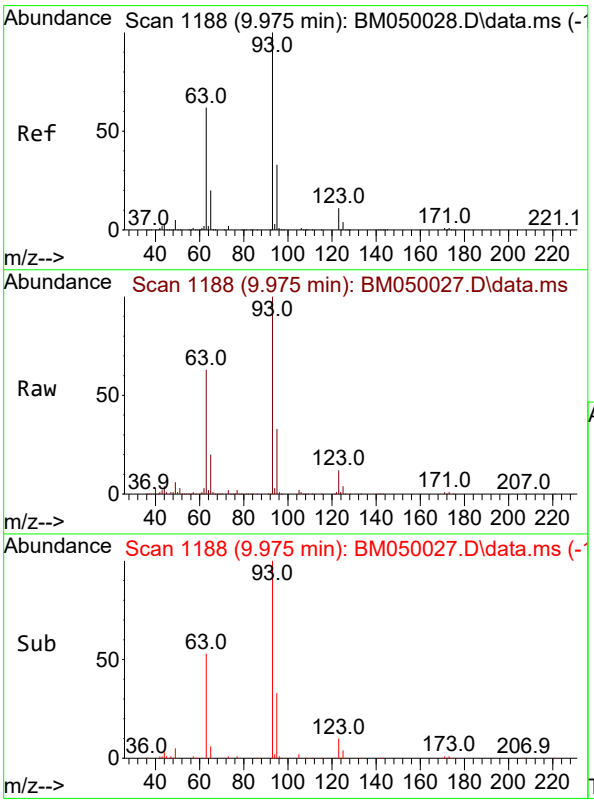
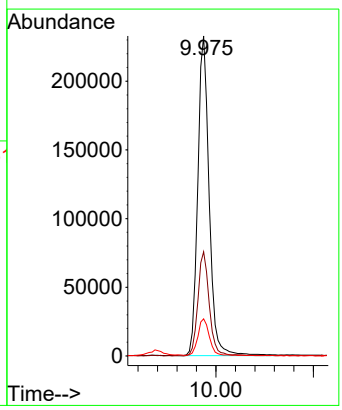
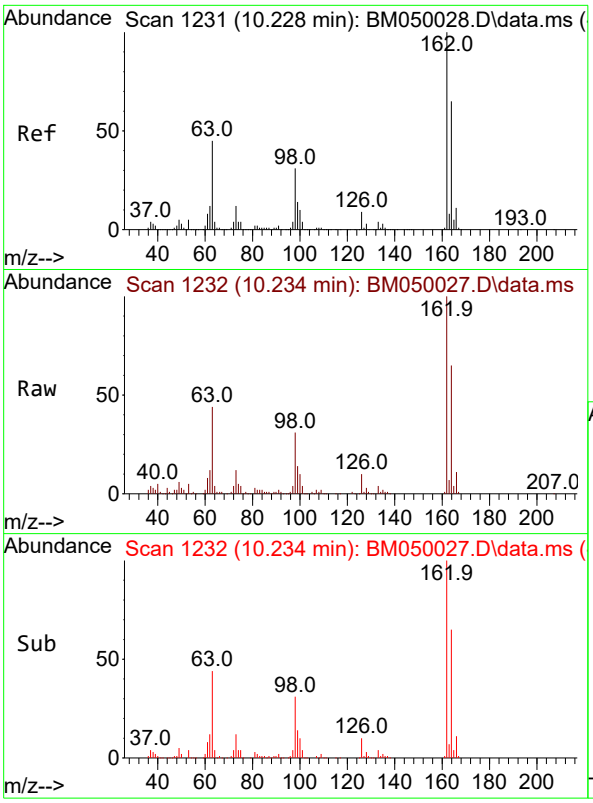


#28
bis(2-Chloroethoxy)methane
Concen: 19.732 ng
RT: 9.975 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 93 Resp: 378162

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.1	39.1
123	11.6	9.5	14.3

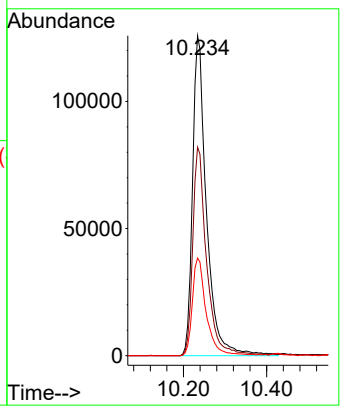




#29
2,4-Dichlorophenol
Concen: 19.582 ng
RT: 10.234 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:162 Resp: 29233

Ion	Ratio	Lower	Upper
162	100		
164	65.2	45.4	85.4
98	30.5	11.3	51.3



Instrument :
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ClientSampleId :
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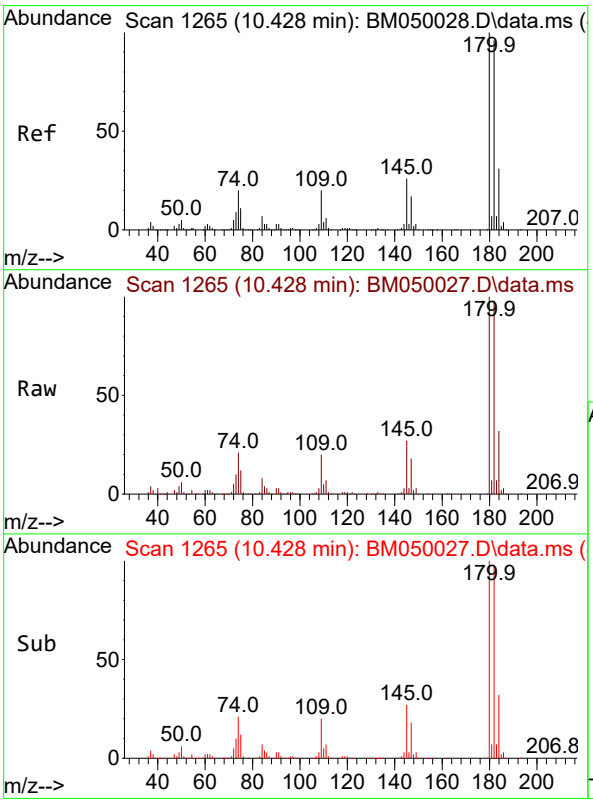
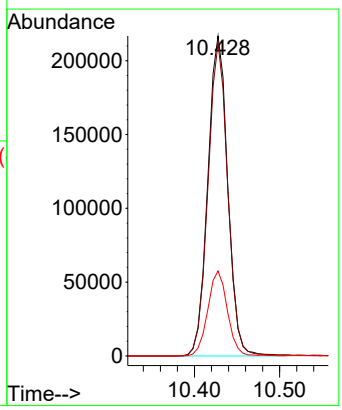
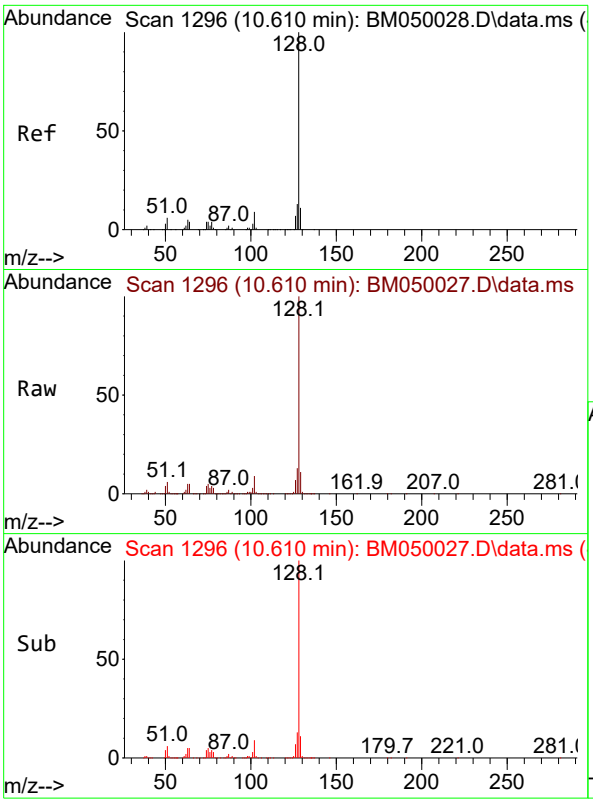


#30
1,2,4-Trichlorobenzene
Concen: 19.397 ng
RT: 10.428 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:180 Resp: 352792

Ion	Ratio	Lower	Upper
180	100		
182	97.8	77.0	115.4
145	26.6	20.6	30.8

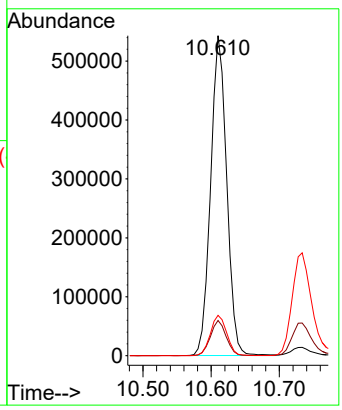




#31
Naphthalene
Concen: 19.618 ng
RT: 10.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:128 Resp: 89053

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	12.6	10.4	15.6



Instrument :
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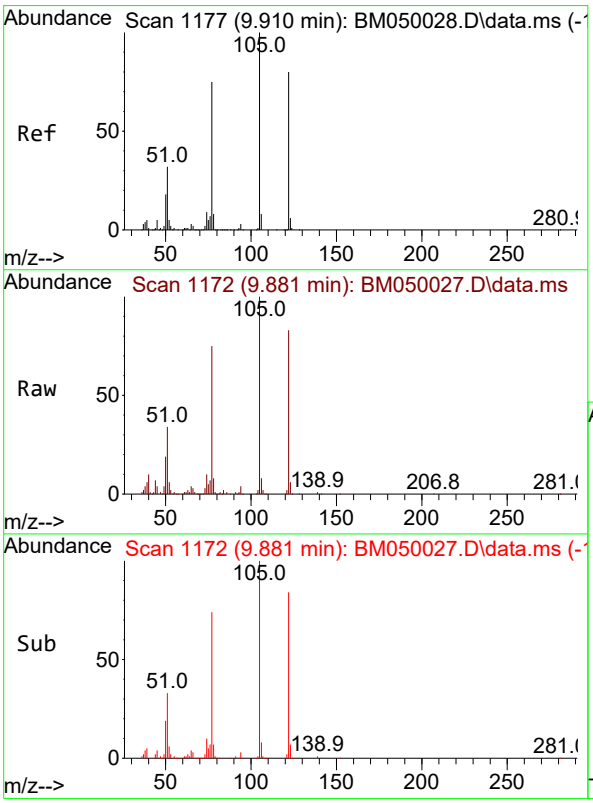
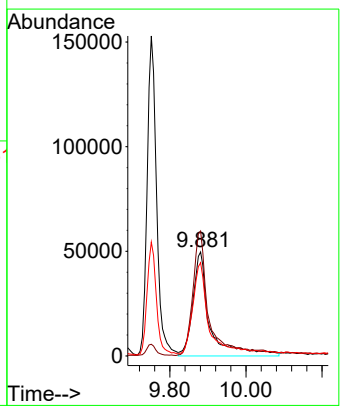
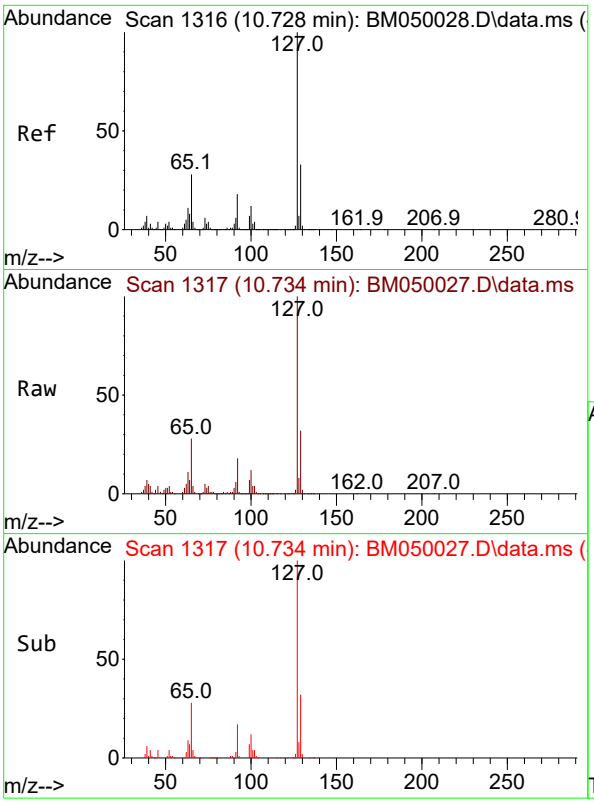


#32
Benzoic acid
Concen: 18.168 ng m
RT: 9.881 min Scan# 1172
Delta R.T. -0.029 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:122 Resp: 154412

Ion	Ratio	Lower	Upper
122	100		
105	120.1	103.6	143.6
77	89.7	73.7	113.7

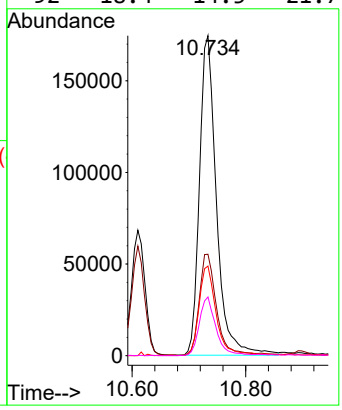




#33
4-Chloroaniline
Concen: 19.475 ng
RT: 10.734 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:127 Resp: 36236

Ion	Ratio	Lower	Upper
127	100		
129	31.7	26.3	39.5
65	28.0	22.5	33.7
92	18.4	14.5	21.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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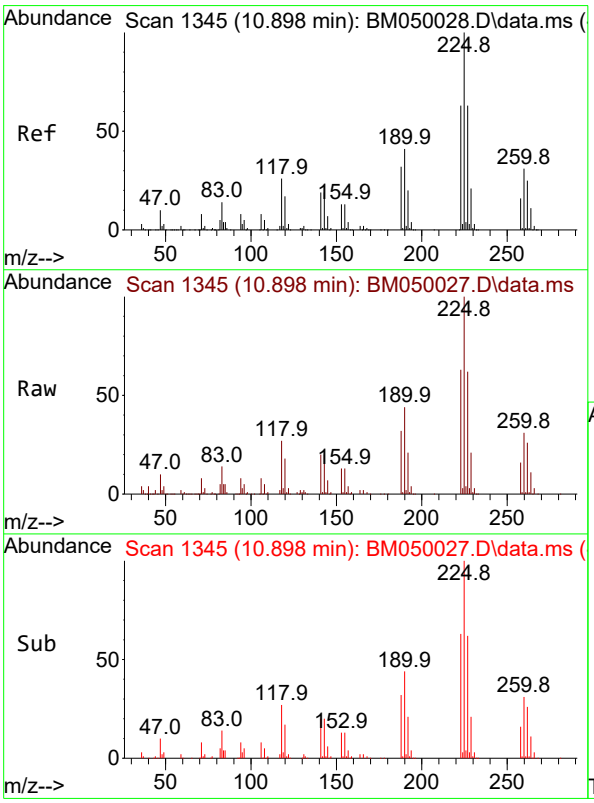
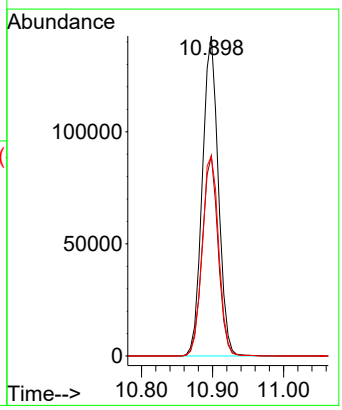
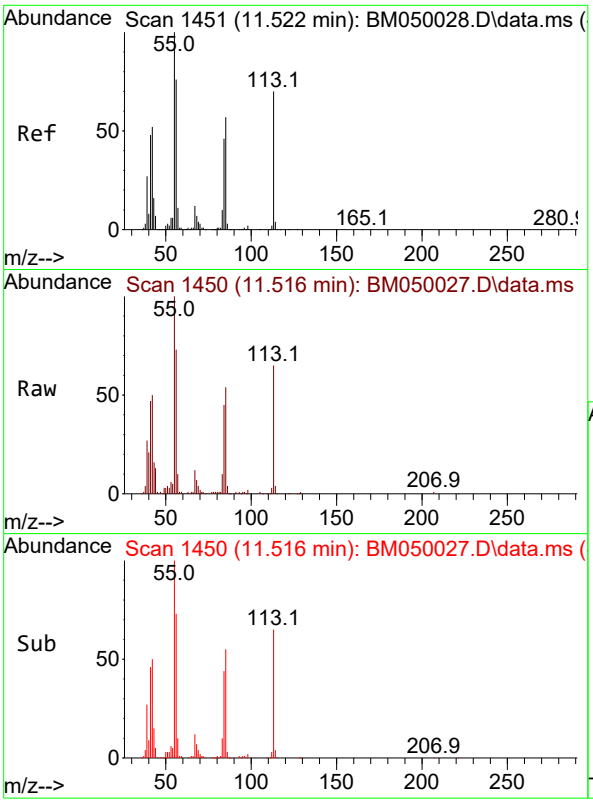


#34
Hexachlorobutadiene
Concen: 19.327 ng
RT: 10.898 min Scan# 1345
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:225 Resp: 223143

Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.2	75.2
227	62.4	50.6	76.0

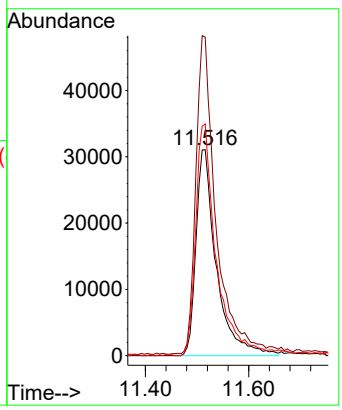




#35
Caprolactam
Concen: 19.509 ng
RT: 11.516 min Scan# 14
Delta R.T. -0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:113 Resp: 8491

Ion	Ratio	Lower	Upper
113	100		
55	154.8	122.9	162.9
56	112.6	88.1	128.1



Instrument :
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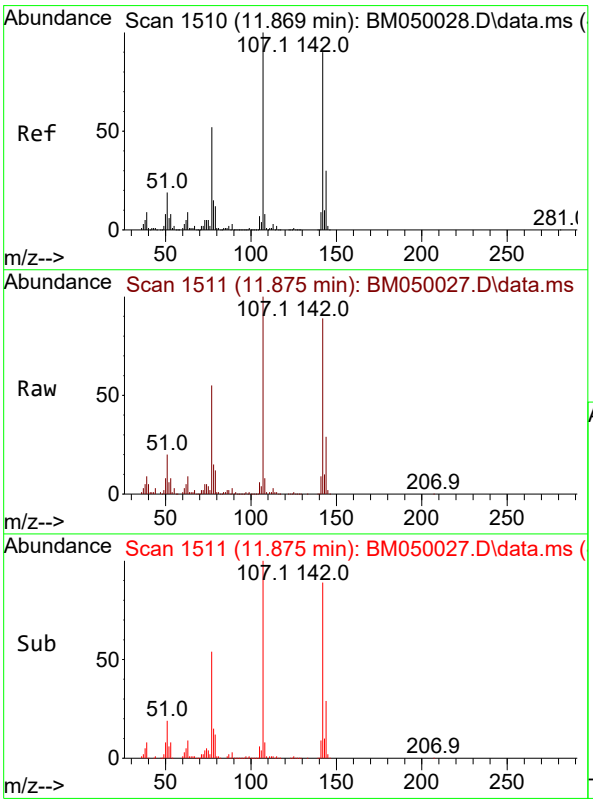
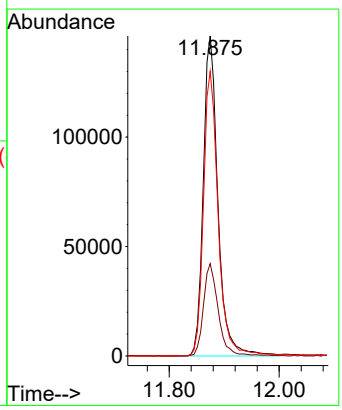
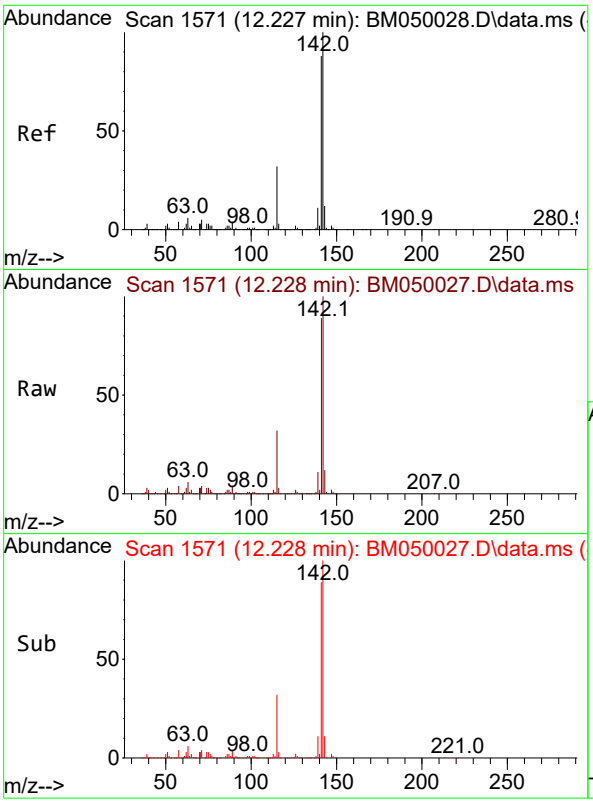


#36
4-Chloro-3-methylphenol
Concen: 19.613 ng
RT: 11.875 min Scan# 1511
Delta R.T. 0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:107 Resp: 270510

Ion	Ratio	Lower	Upper
107	100		
144	28.8	23.8	35.6
142	89.0	71.9	107.9

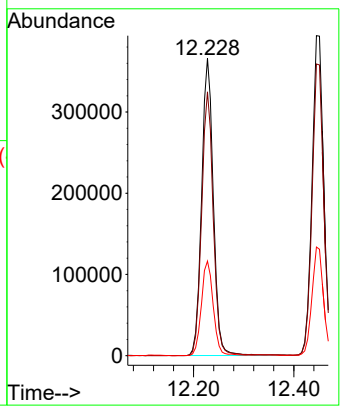




#37
2-Methylnaphthalene
Concen: 19.498 ng
RT: 12.228 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:142 Resp: 59340

Ion	Ratio	Lower	Upper
142	100		
141	88.7	70.4	105.6
115	31.8	25.4	38.2



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ClientSampleId :
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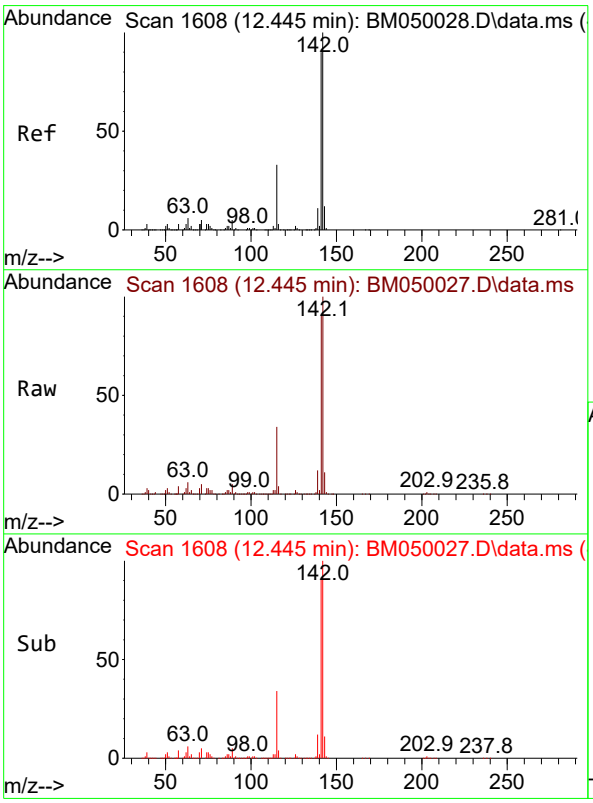
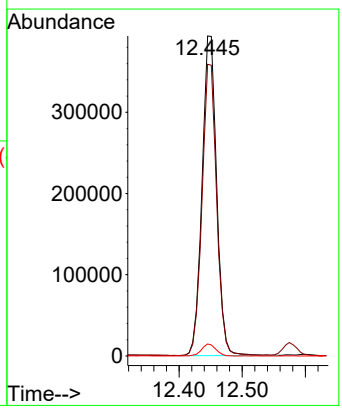
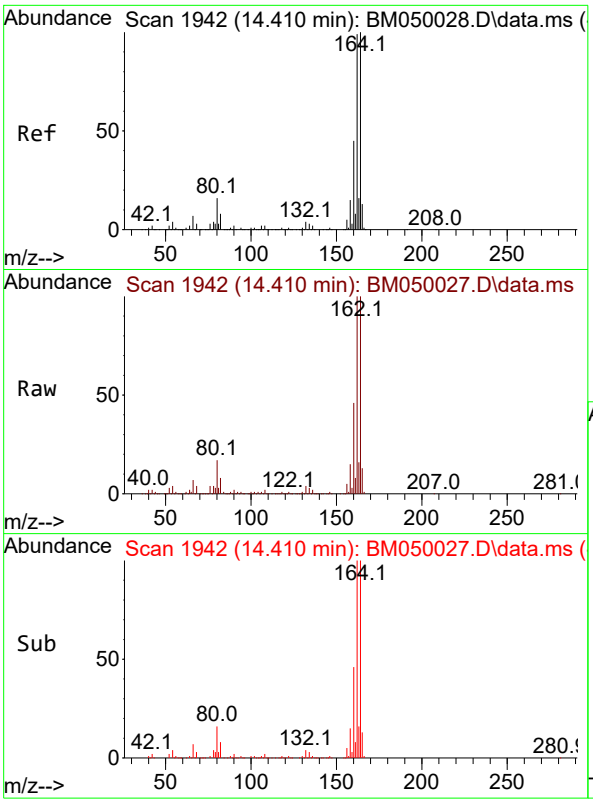


#38
1-Methylnaphthalene
Concen: 19.694 ng
RT: 12.445 min Scan# 1608
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:142 Resp: 634293

Ion	Ratio	Lower	Upper
142	100		
141	91.1	72.1	108.1
116	3.8	2.7	4.1

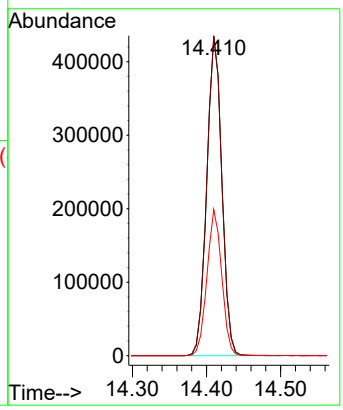




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:164 Resp: 61468

Ion	Ratio	Lower	Upper
164	100		
162	100.4	79.4	119.0
160	45.8	36.2	54.4



Instrument :
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ClientSampleId :
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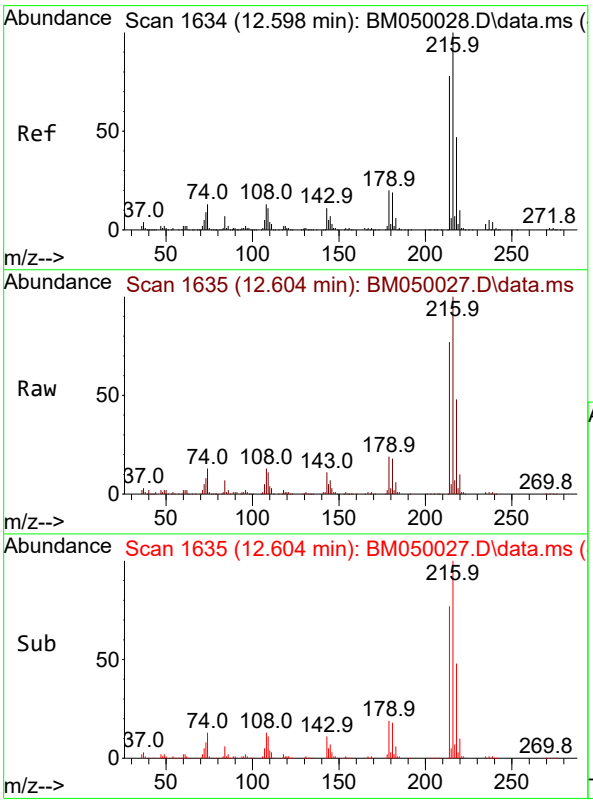
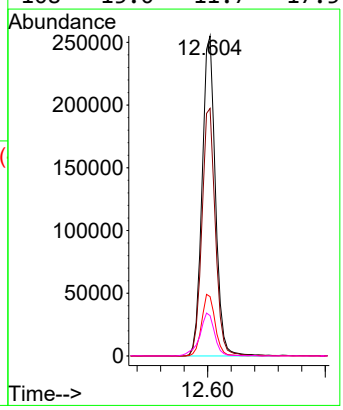
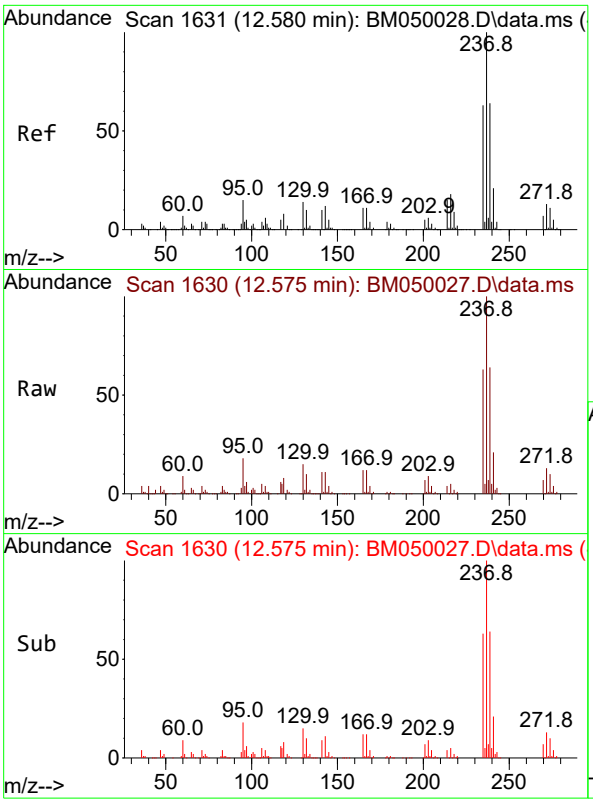


#40
1,2,4,5-Tetrachlorobenzene
Concen: 18.909 ng
RT: 12.604 min Scan# 1635
Delta R.T. 0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:216 Resp: 402355

Ion	Ratio	Lower	Upper
216	100		
214	78.2	62.3	93.5
179	19.6	15.4	23.0
108	15.0	11.7	17.5

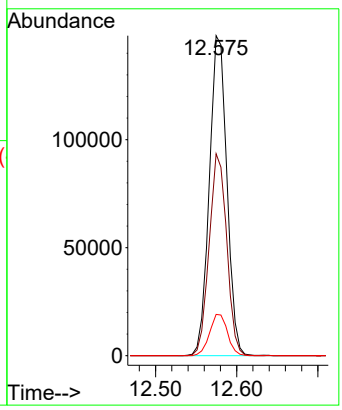




#41
Hexachlorocyclopentadiene
Concen: 17.091 ng
RT: 12.575 min Scan# 1
Delta R.T. -0.005 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:237 Resp: 22225

Ion	Ratio	Lower	Upper
237	100		
235	63.1	42.9	82.9
272	12.9	0.0	32.9



Instrument :
BNA_M
ClientSampleId :
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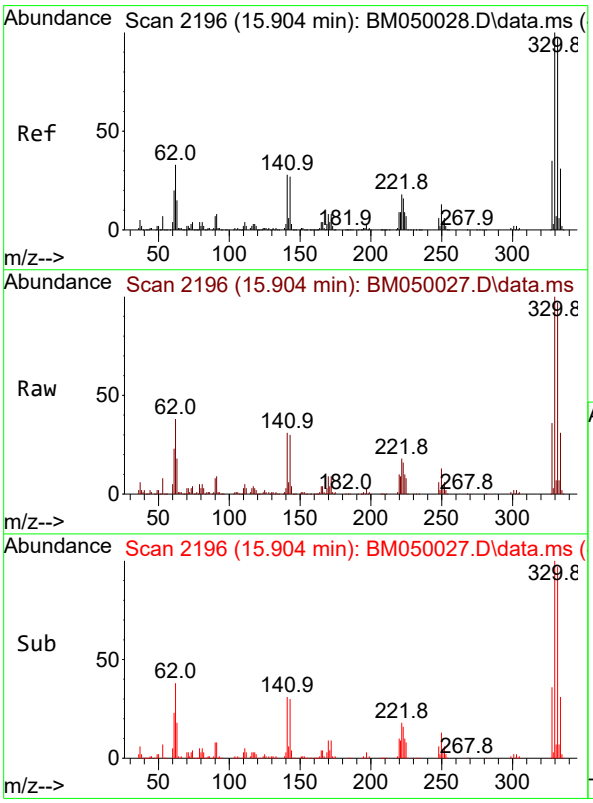
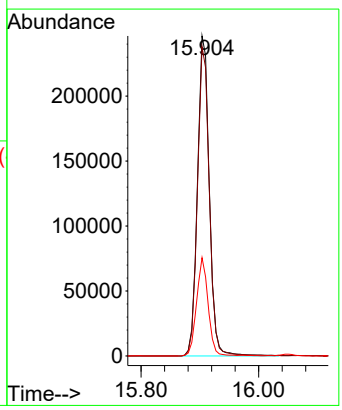
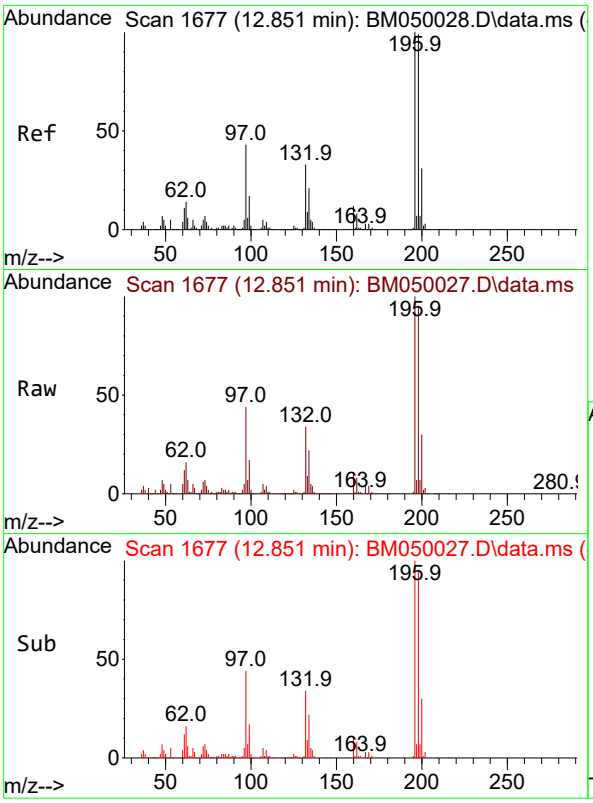


#42
2,4,6-Tribromophenol
Concen: 37.960 ng
RT: 15.904 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:330 Resp: 345020

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.3	115.9
141	30.1	22.5	33.7

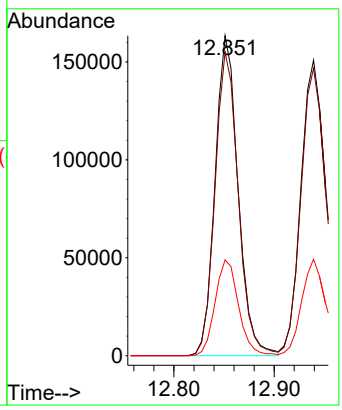




#43
2,4,6-Trichlorophenol
Concen: 19.276 ng
RT: 12.851 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:196 Resp: 26016

Ion	Ratio	Lower	Upper
196	100		
198	94.8	79.0	118.6
200	30.0	25.1	37.7



Instrument :
BNA_M
ClientSampleId :
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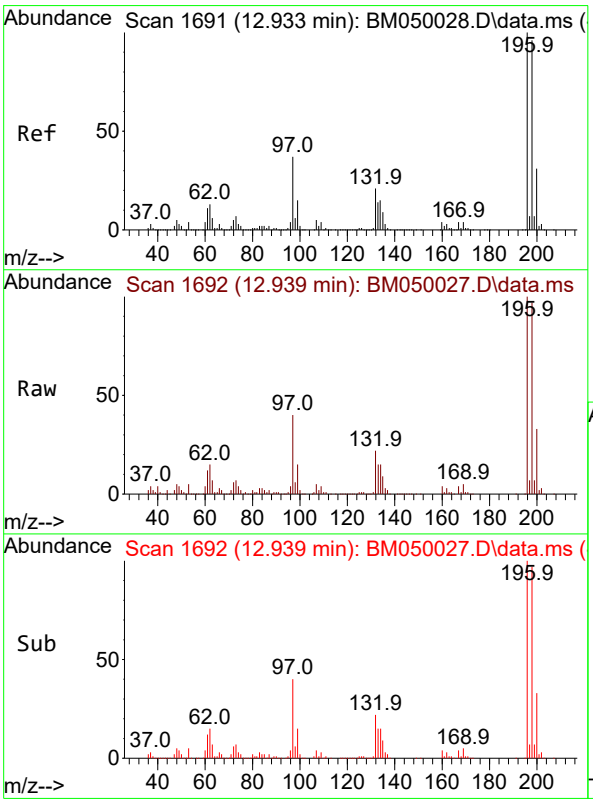
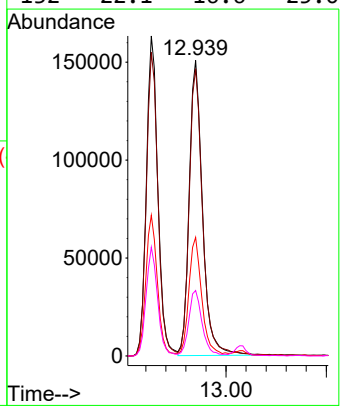
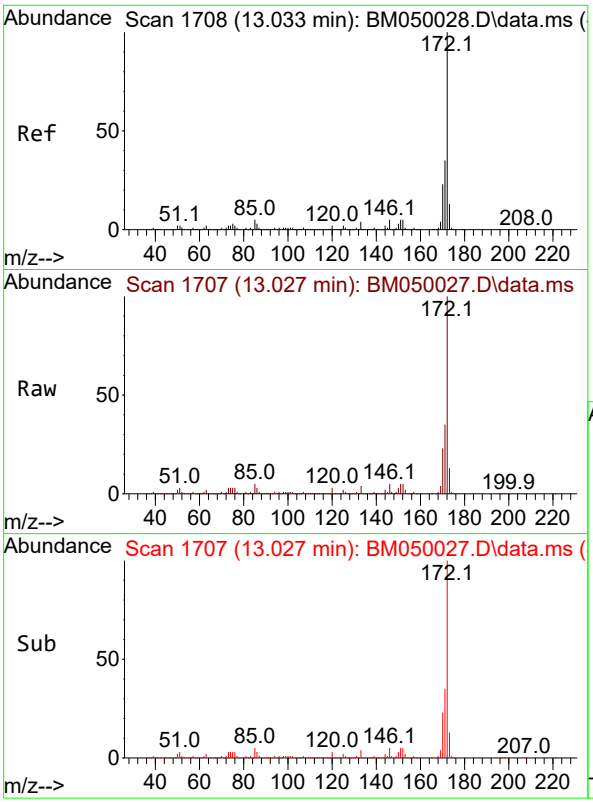


#44
2,4,5-Trichlorophenol
Concen: 19.123 ng
RT: 12.939 min Scan# 1692
Delta R.T. 0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:196 Resp: 278307

Ion	Ratio	Lower	Upper
196	100		
198	97.2	76.7	115.1
97	40.1	30.1	45.1
132	22.1	16.6	25.0

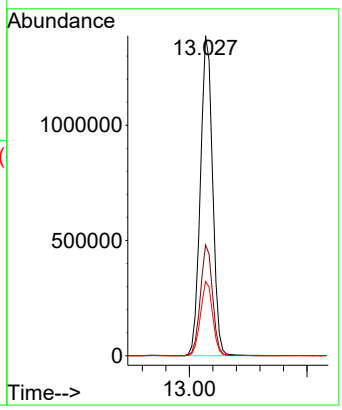




#45
2-Fluorobiphenyl
Concen: 38.602 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:172 Resp: 200578

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.8	41.6
170	23.2	18.6	28.0



Instrument :
BNA_M
ClientSampleId :
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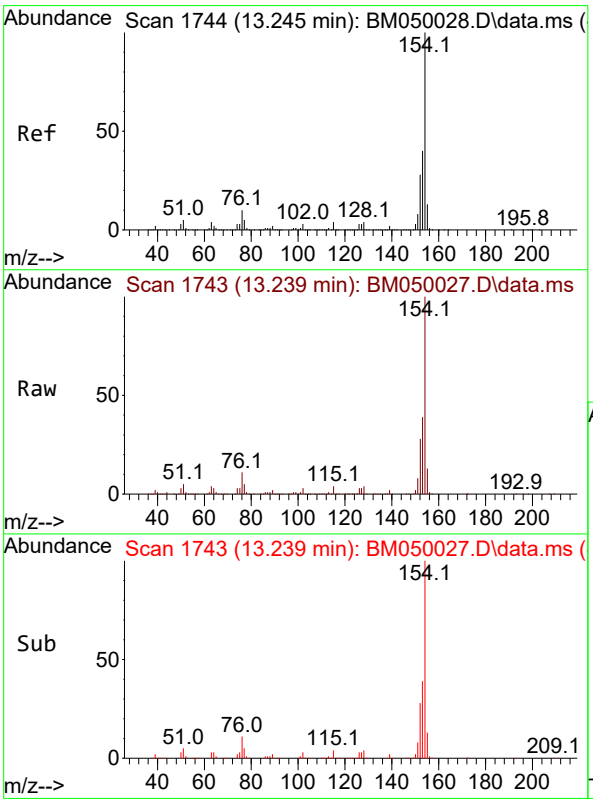
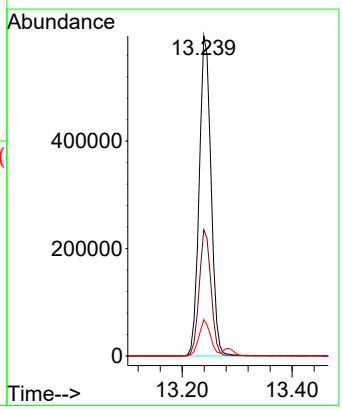
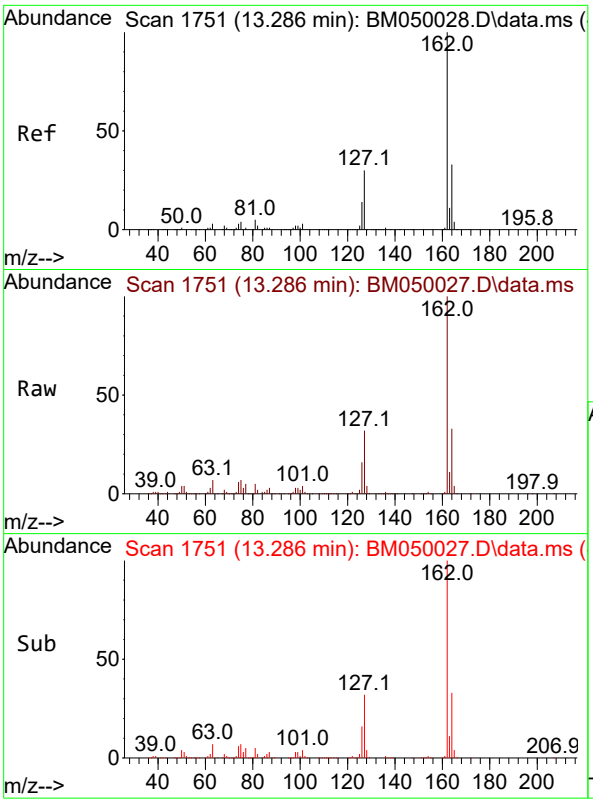


#46
1,1'-Biphenyl
Concen: 19.530 ng
RT: 13.239 min Scan# 1743
Delta R.T. -0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:154 Resp: 892394

Ion	Ratio	Lower	Upper
154	100		
153	39.5	20.0	60.0
76	11.3	0.0	30.3

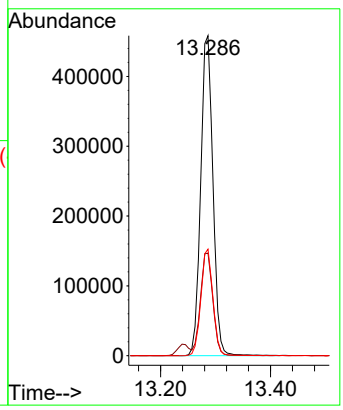




#47
2-Chloronaphthalene
Concen: 19.614 ng
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:162 Resp: 70981

Ion	Ratio	Lower	Upper
162	100		
127	32.0	25.9	38.9
164	33.3	26.6	40.0



Instrument :
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ClientSampleId :
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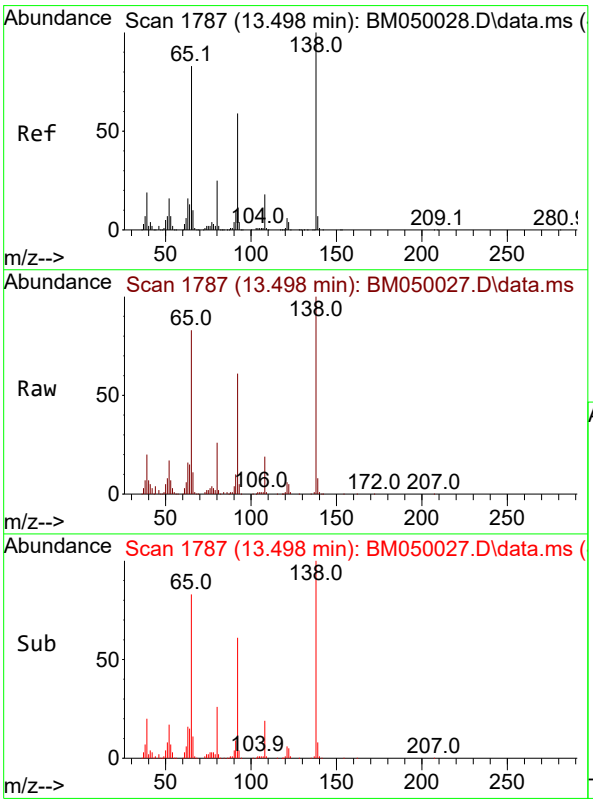
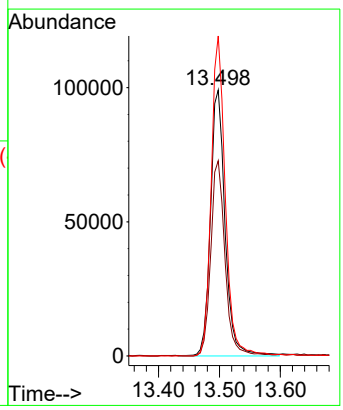
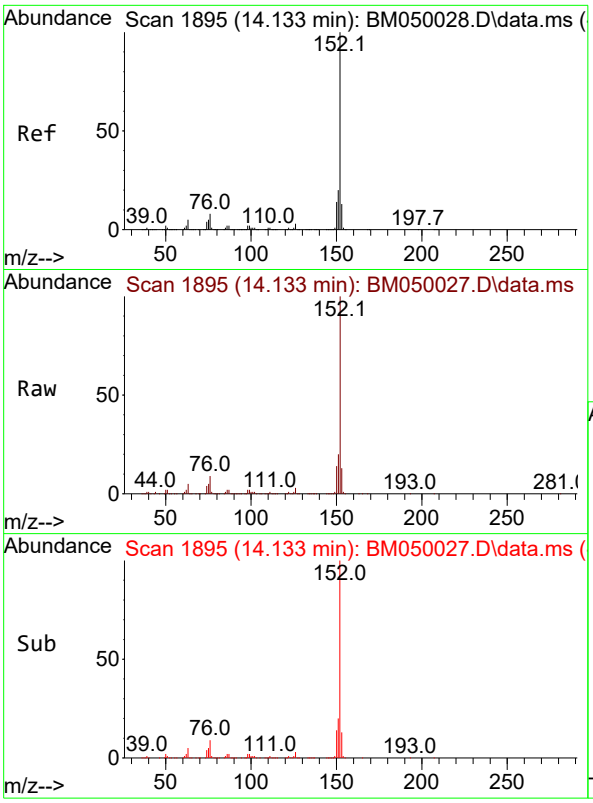


#48
2-Nitroaniline
Concen: 19.465 ng
RT: 13.498 min Scan# 1787
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 65 Resp: 165324

Ion	Ratio	Lower	Upper
65	100		
92	73.4	57.1	85.7
138	120.3	97.0	145.4

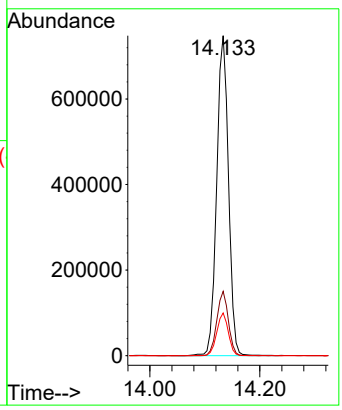




#49
Acenaphthylene
Concen: 19.502 ng
RT: 14.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:152 Resp: 111276

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.8	23.8
153	13.3	10.6	15.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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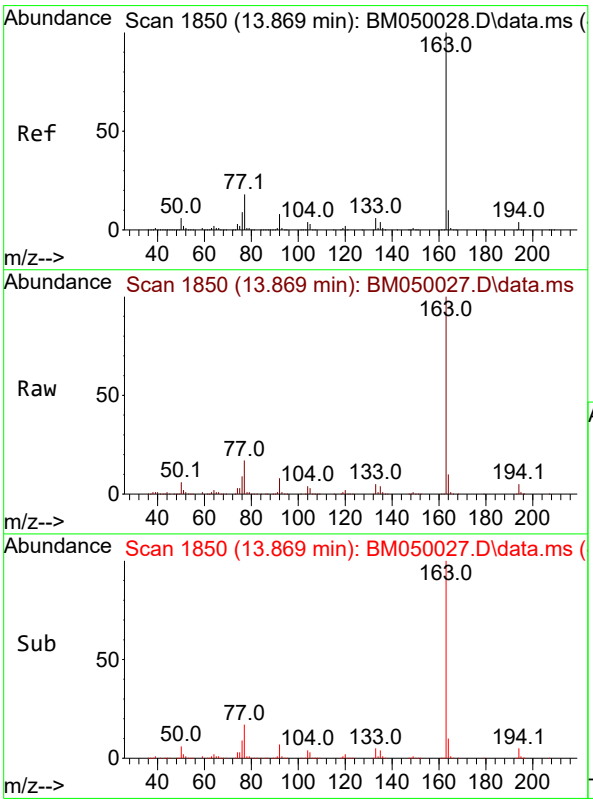
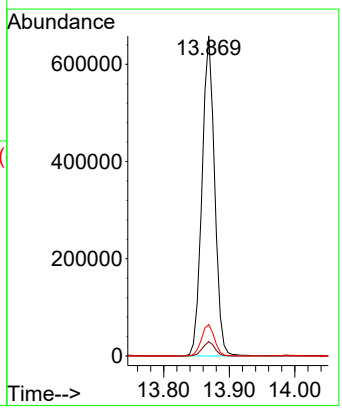
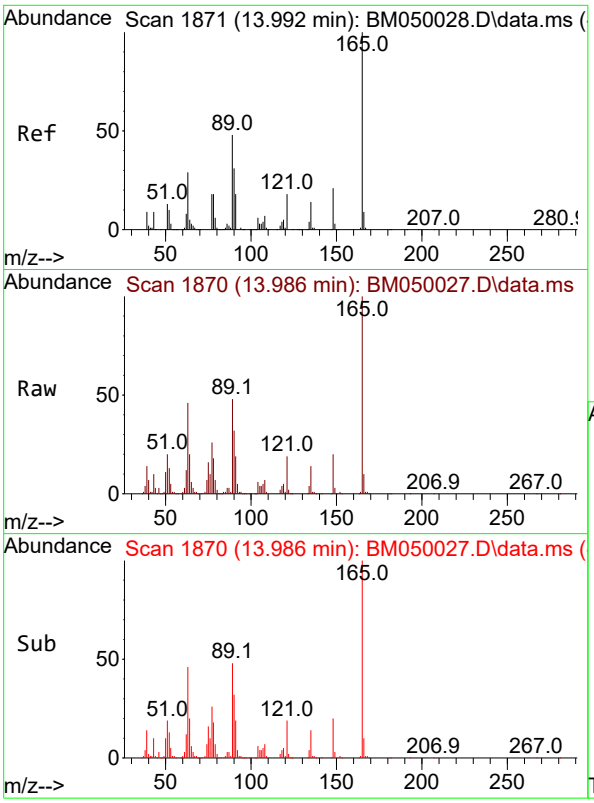


#50
Dimethylphthalate
Concen: 19.659 ng
RT: 13.869 min Scan# 1850
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:163 Resp: 883120

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.4	5.2
164	9.8	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 19.729 ng
RT: 13.986 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:165 Resp: 18349

Ion	Ratio	Lower	Upper
165	100		
63	45.7	35.1	52.7
89	48.1	38.4	57.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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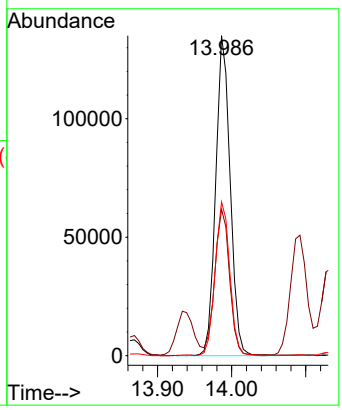
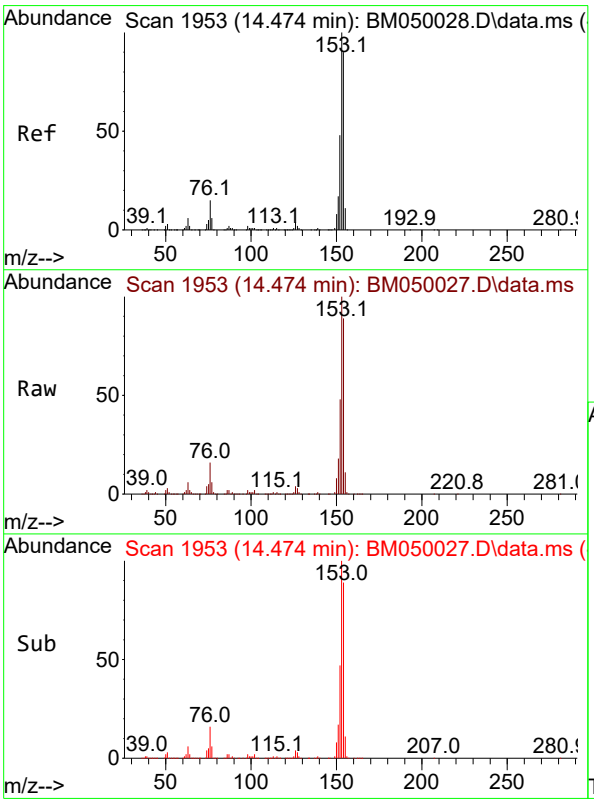
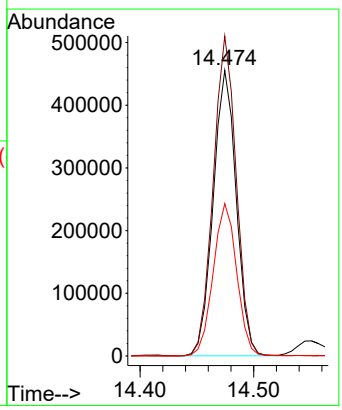


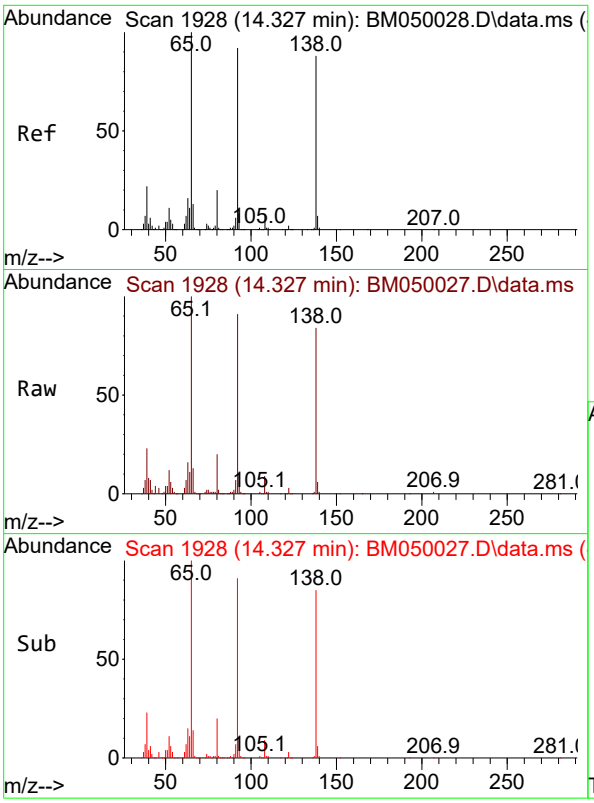


#52
Acenaphthene
Concen: 19.474 ng
RT: 14.474 min Scan# 1953
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:154 Resp: 643177

Ion	Ratio	Lower	Upper
154	100		
153	112.0	89.0	133.4
152	53.3	43.0	64.6

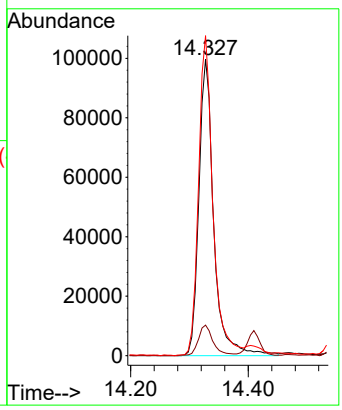




#53
3-Nitroaniline
Concen: 19.666 ng
RT: 14.327 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:138 Resp: 17462

Ion	Ratio	Lower	Upper
138	100		
108	10.3	7.4	11.2
92	107.9	84.0	126.0



Instrument :
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ClientSampleId :
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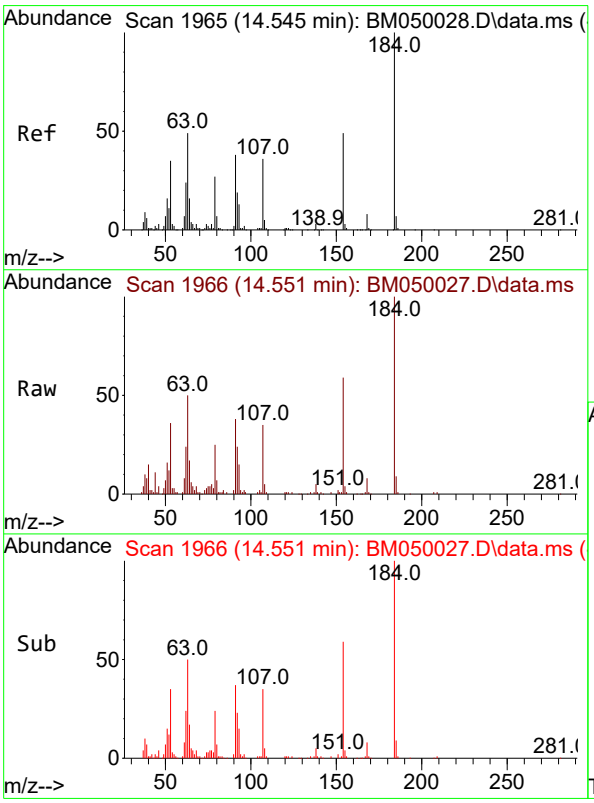
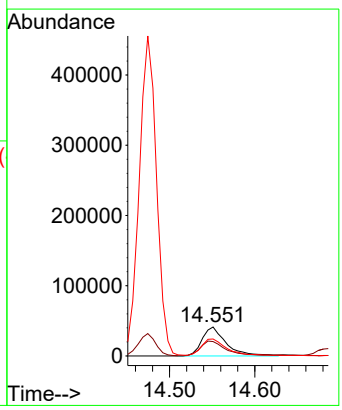
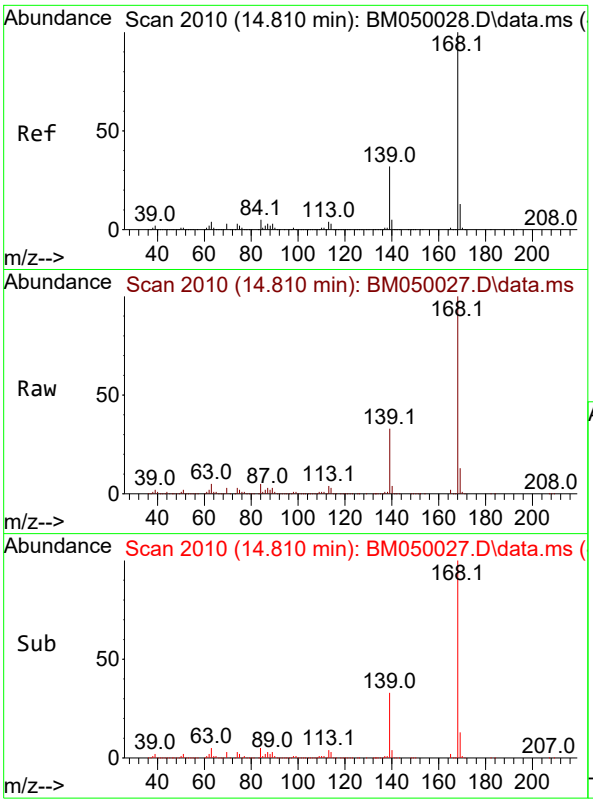


#54
2,4-Dinitrophenol
Concen: 18.373 ng
RT: 14.551 min Scan# 1966
Delta R.T. 0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:184 Resp: 80991

Ion	Ratio	Lower	Upper
184	100		
63	50.1	39.8	59.6
154	58.5	46.1	69.1

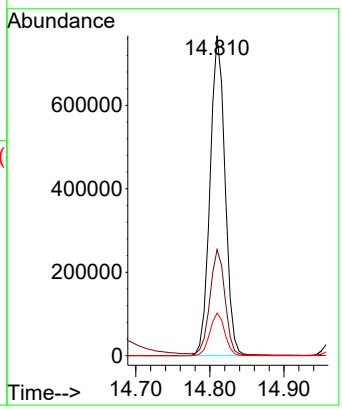




#55
Dibenzofuran
Concen: 19.562 ng
RT: 14.810 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:168 Resp: 107497

Ion	Ratio	Lower	Upper
168	100		
139	33.2	26.1	39.1
169	13.3	10.8	16.2



Instrument :
BNA_M
ClientSampleId :
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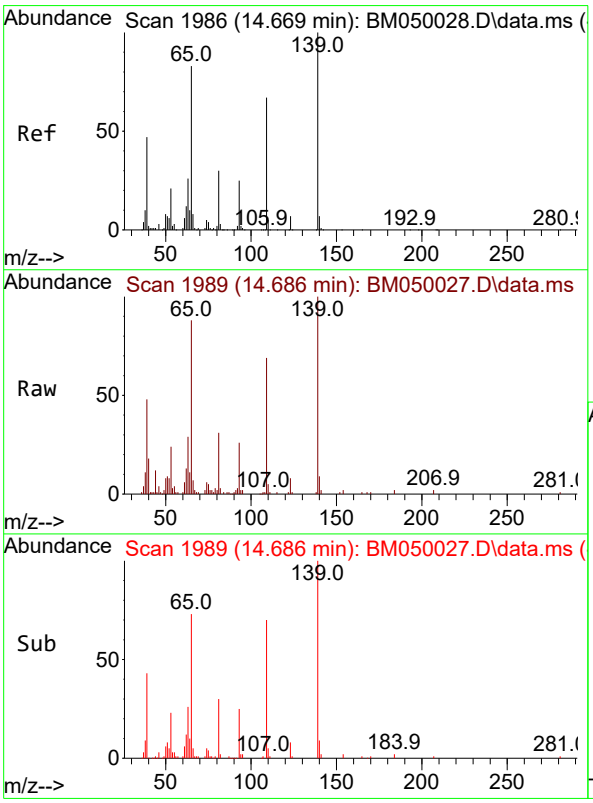
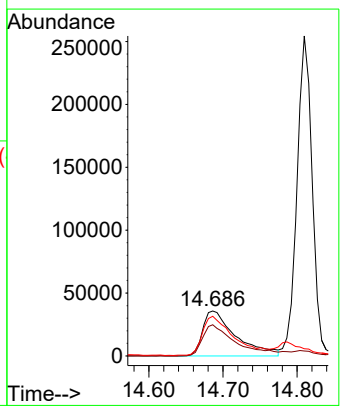
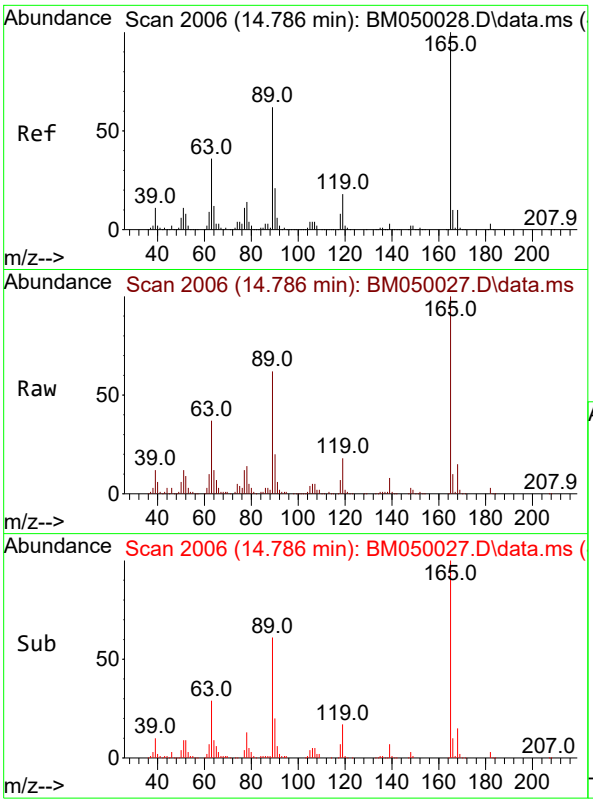


#56
4-Nitrophenol
Concen: 19.021 ng
RT: 14.686 min Scan# 1989
Delta R.T. 0.017 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:139 Resp: 110948

Ion	Ratio	Lower	Upper
139	100		
109	69.3	47.0	87.0
65	88.3	64.3	104.3

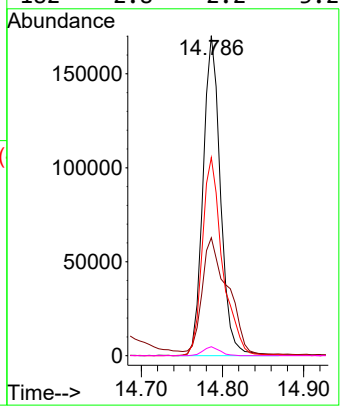




#57
2,4-Dinitrotoluene
Concen: 19.685 ng
RT: 14.786 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:165 Resp: 25299

Ion	Ratio	Lower	Upper
165	100		
63	36.9	29.0	43.6
89	61.9	49.4	74.2
182	2.8	2.2	3.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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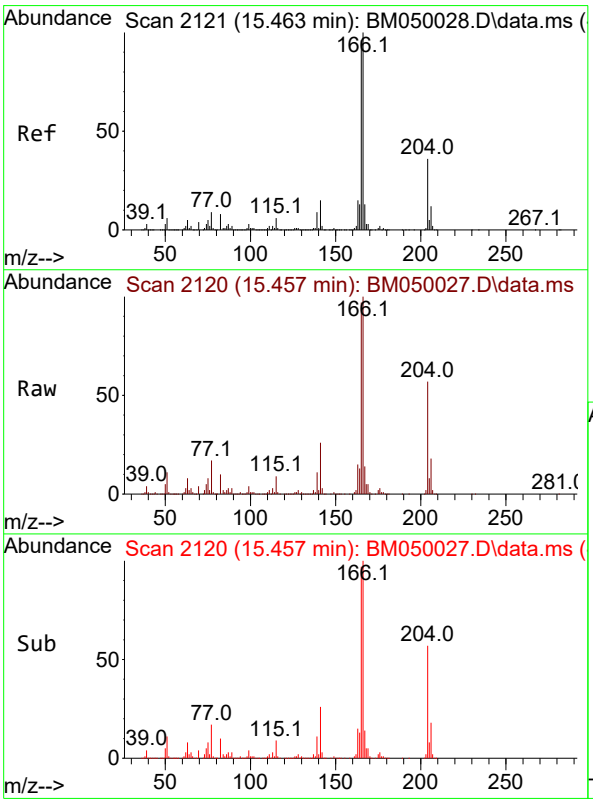
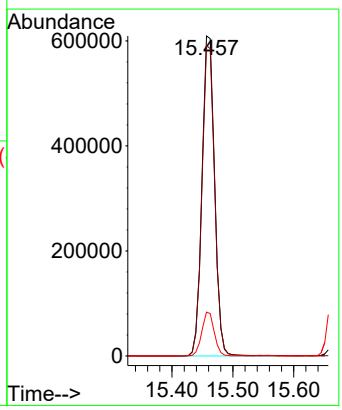
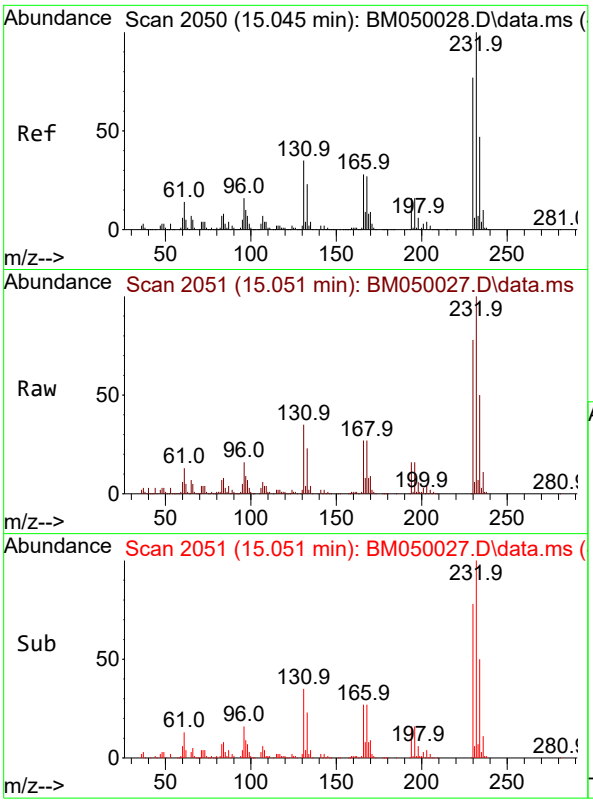


#58
Fluorene
Concen: 19.553 ng
RT: 15.457 min Scan# 2120
Delta R.T. -0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:166 Resp: 879470

Ion	Ratio	Lower	Upper
166	100		
165	97.0	76.6	115.0
167	13.7	10.6	16.0

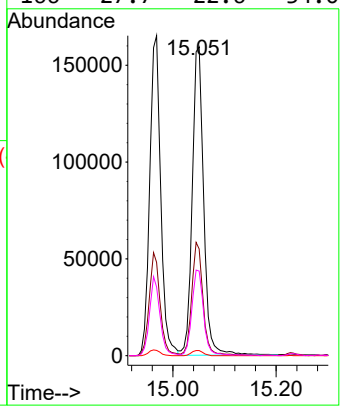




#59
2,3,4,6-Tetrachlorophenol
Concen: 19.442 ng
RT: 15.051 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:232 Resp: 24492

Ion	Ratio	Lower	Upper
232	100		
131	35.9	28.2	42.4
130	1.7	1.5	2.3
166	27.7	22.6	34.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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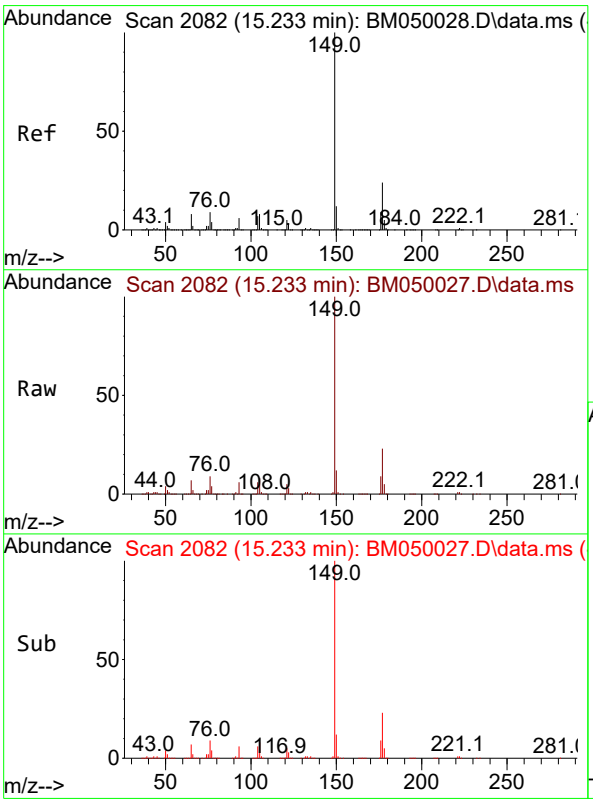
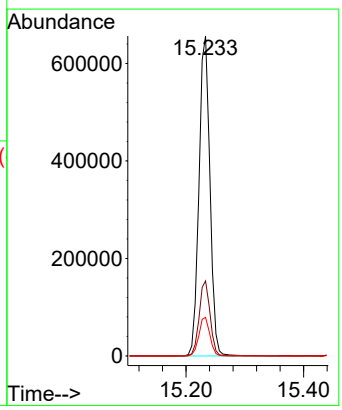
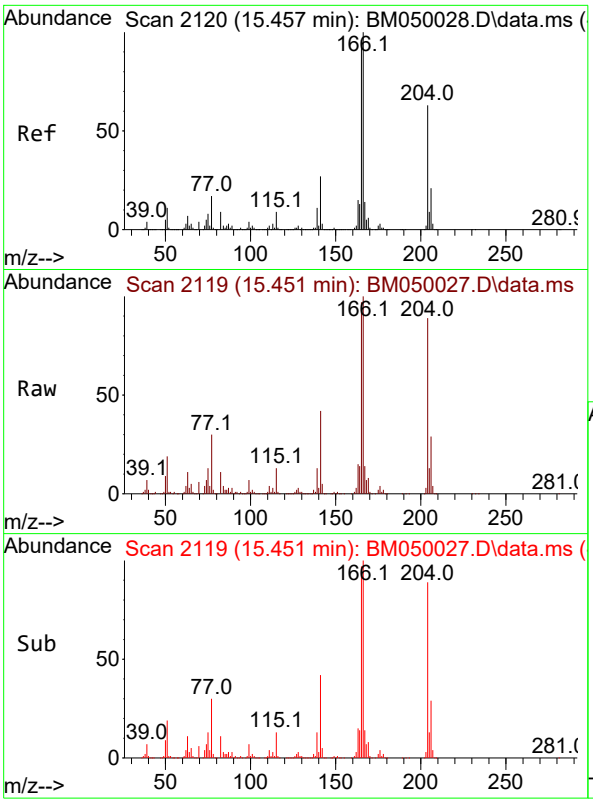


#60
Diethylphthalate
Concen: 20.034 ng
RT: 15.233 min Scan# 2082
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:149 Resp: 848021

Ion	Ratio	Lower	Upper
149	100		
177	23.5	19.1	28.7
150	12.1	9.6	14.4

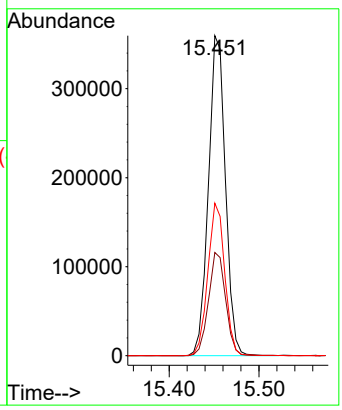




#61
4-Chlorophenyl-phenylether
Concen: 19.157 ng
RT: 15.451 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:204 Resp: 47327

Ion	Ratio	Lower	Upper
204	100		
206	32.3	26.3	39.5
141	47.7	34.0	51.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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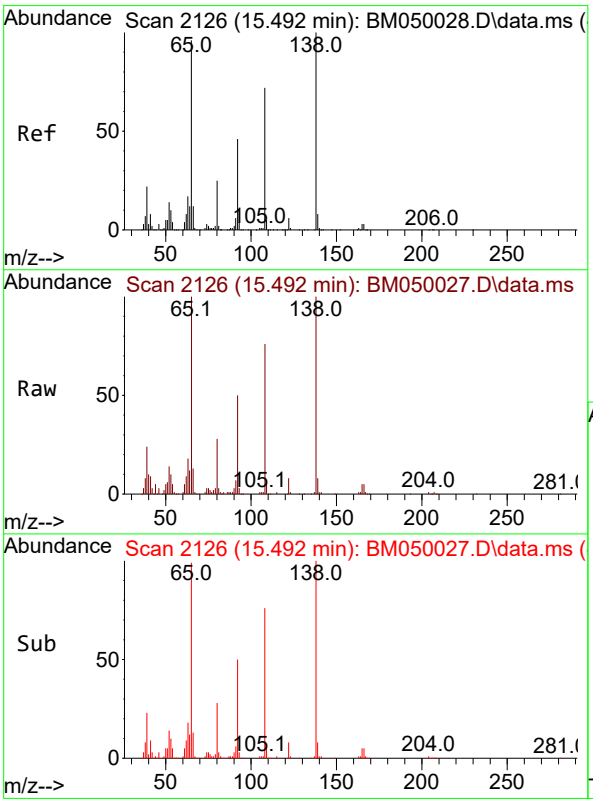
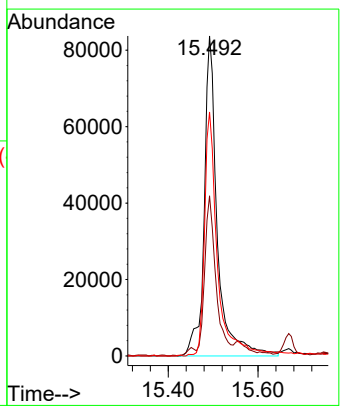
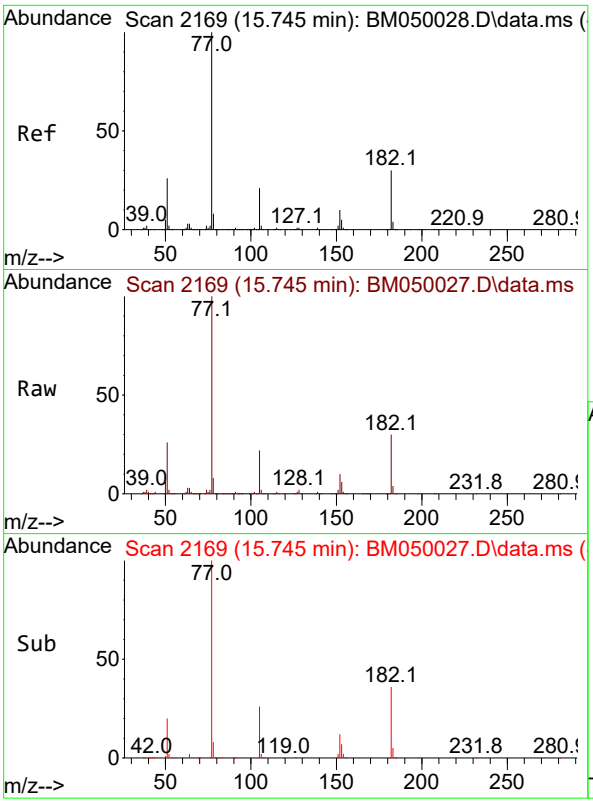


#62
4-Nitroaniline
Concen: 19.880 ng
RT: 15.492 min Scan# 2126
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:138 Resp: 170438

Ion	Ratio	Lower	Upper
138	100		
92	50.0	25.9	65.9
108	76.3	52.4	92.4

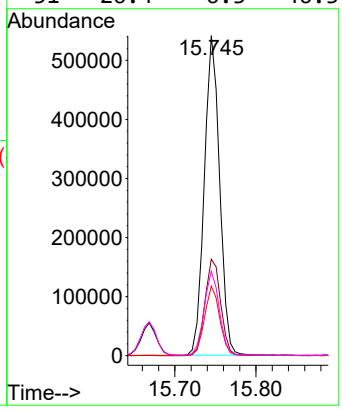




#63
Azobenzene
Concen: 19.930 ng
RT: 15.745 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 77 Resp: 70702

Ion	Ratio	Lower	Upper
77	100		
182	30.2	10.5	50.5
105	21.8	1.1	41.1
51	26.4	6.3	46.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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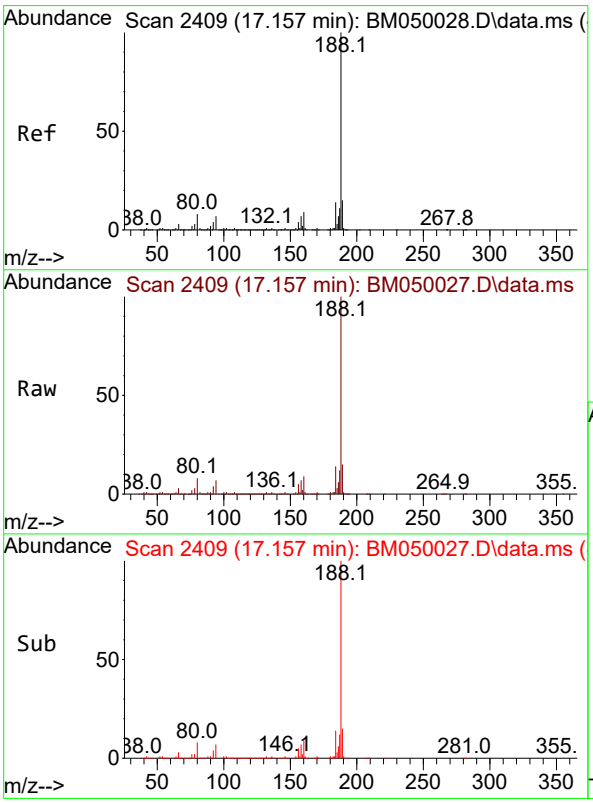
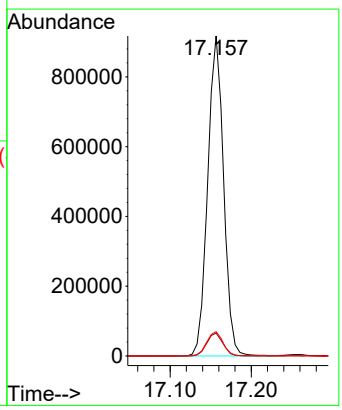
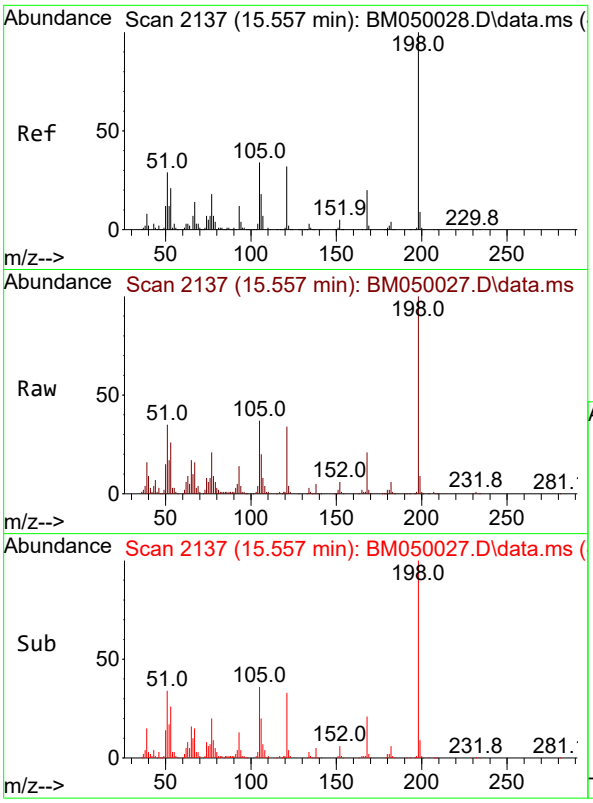


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:188 Resp: 1244440

Ion	Ratio	Lower	Upper
188	100		
94	7.1	5.7	8.5
80	7.6	6.2	9.4





#65
4,6-Dinitro-2-methylphenol
Concen: 17.576 ng
RT: 15.557 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:198 Resp: 13691

Ion	Ratio	Lower	Upper
198	100		
51	34.7	10.4	50.4
105	37.2	14.6	54.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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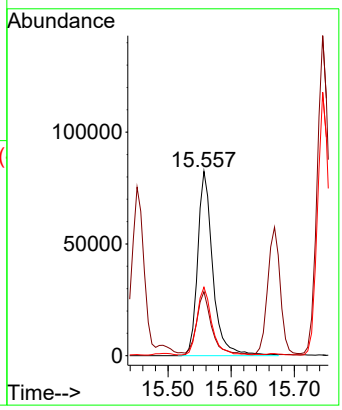
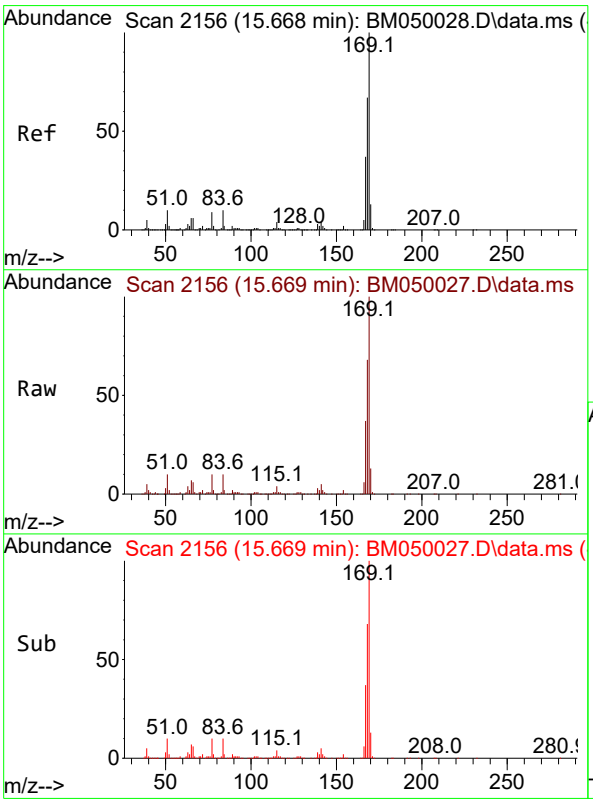
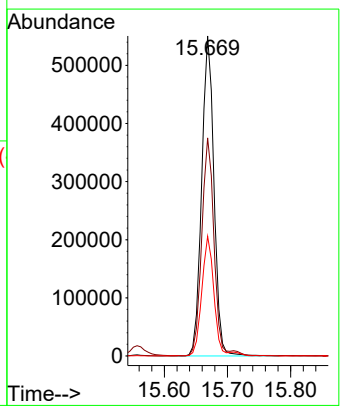


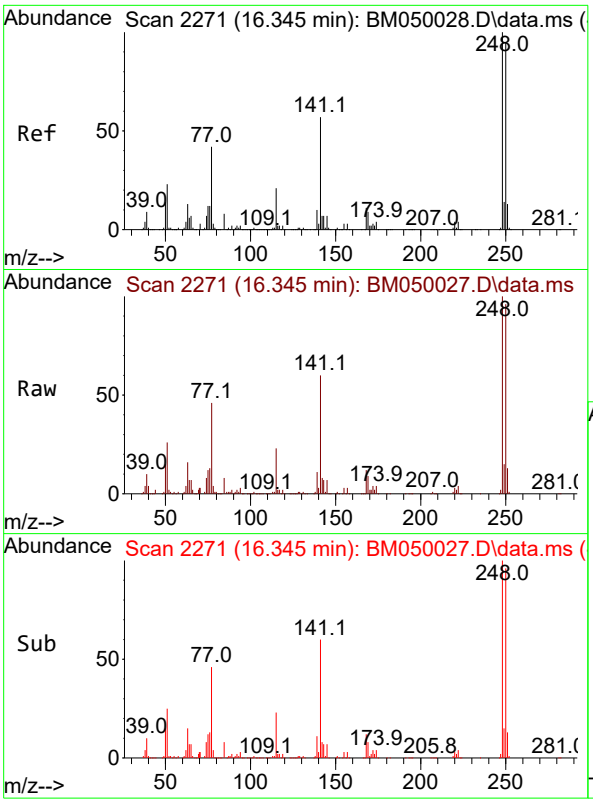


#66
n-Nitrosodiphenylamine
Concen: 19.415 ng
RT: 15.669 min Scan# 2156
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:169 Resp: 741920

Ion	Ratio	Lower	Upper
169	100		
168	68.2	53.4	80.2
167	37.4	29.4	44.0

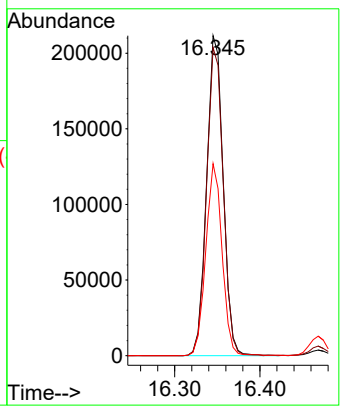




#67
4-Bromophenyl-phenylether
Concen: 18.962 ng
RT: 16.345 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:248 Resp: 28535

Ion	Ratio	Lower	Upper
248	100		
250	96.3	76.2	114.2
141	60.0	45.9	68.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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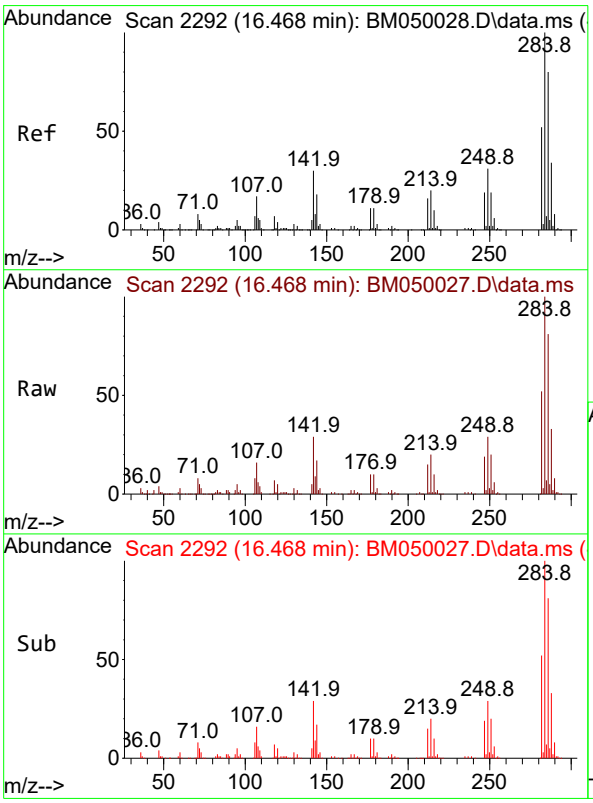
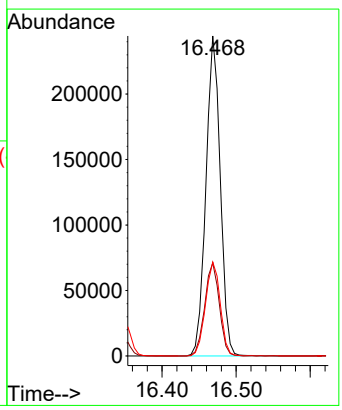
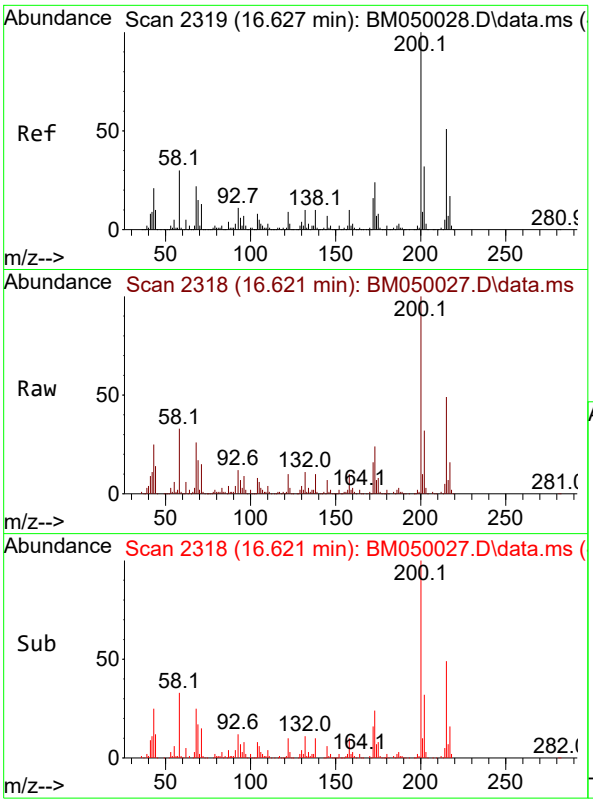


#68
Hexachlorobenzene
Concen: 18.903 ng
RT: 16.468 min Scan# 2292
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:284 Resp: 327912

Ion	Ratio	Lower	Upper
284	100		
142	29.1	23.9	35.9
249	29.3	24.5	36.7

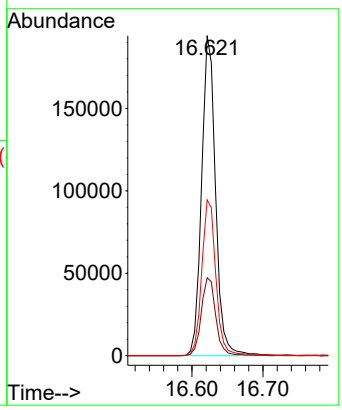




#69
Atrazine
Concen: 19.303 ng
RT: 16.621 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:200 Resp: 26606

Ion	Ratio	Lower	Upper
200	100		
173	24.3	4.3	44.3
215	48.7	30.6	70.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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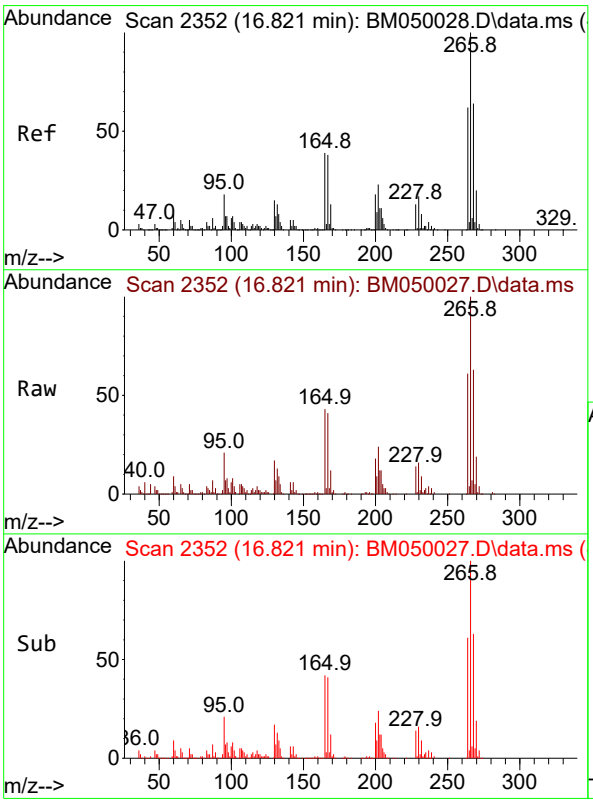
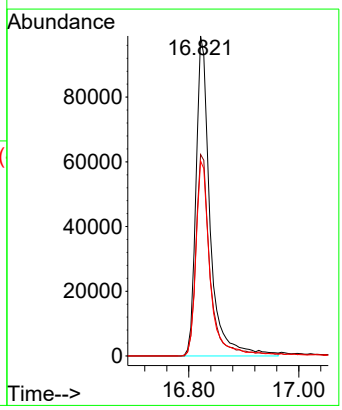
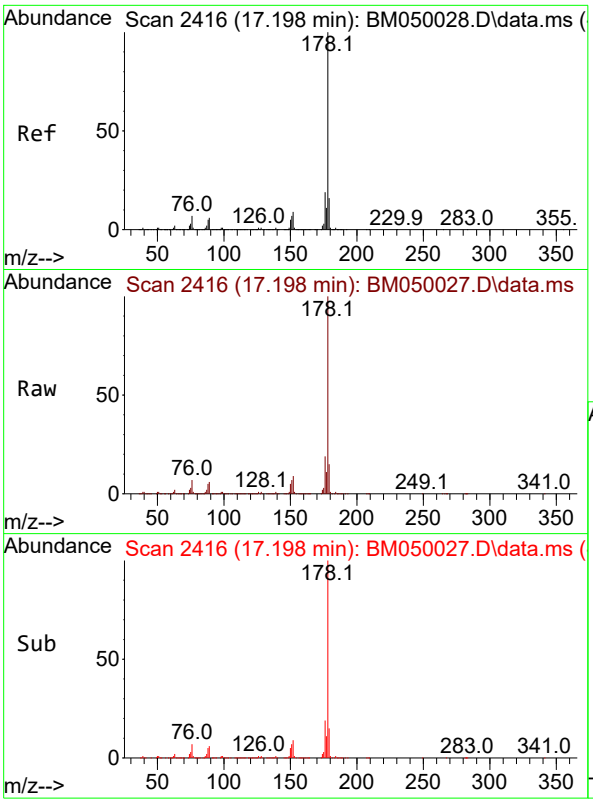


#70
Pentachlorophenol
Concen: 18.004 ng
RT: 16.821 min Scan# 2352
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:266 Resp: 175794

Ion	Ratio	Lower	Upper
266	100		
268	63.0	51.2	76.8
264	60.9	49.6	74.4

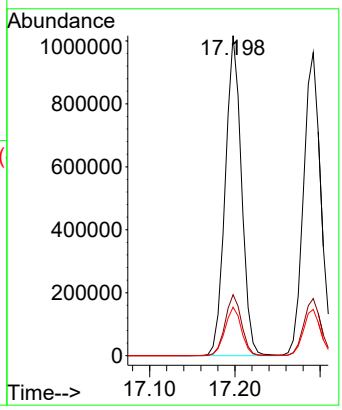




#71
Phenanthrene
Concen: 19.208 ng
RT: 17.198 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:178 Resp: 134819

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.1	12.4	18.6



Instrument :
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ClientSampleId :
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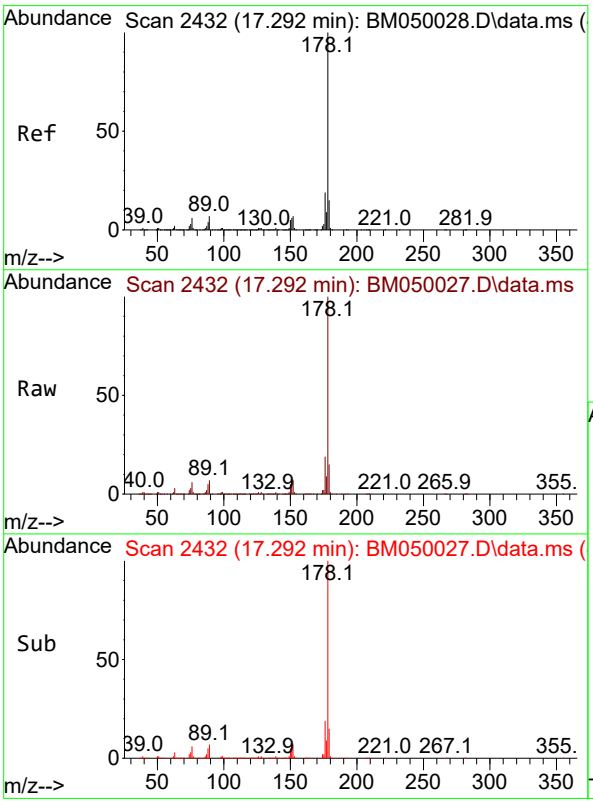
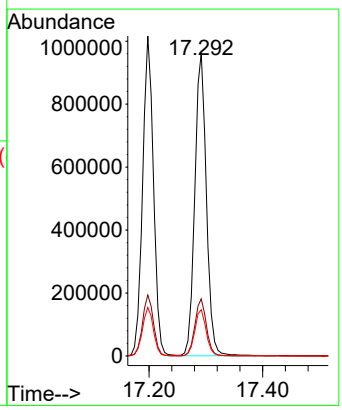
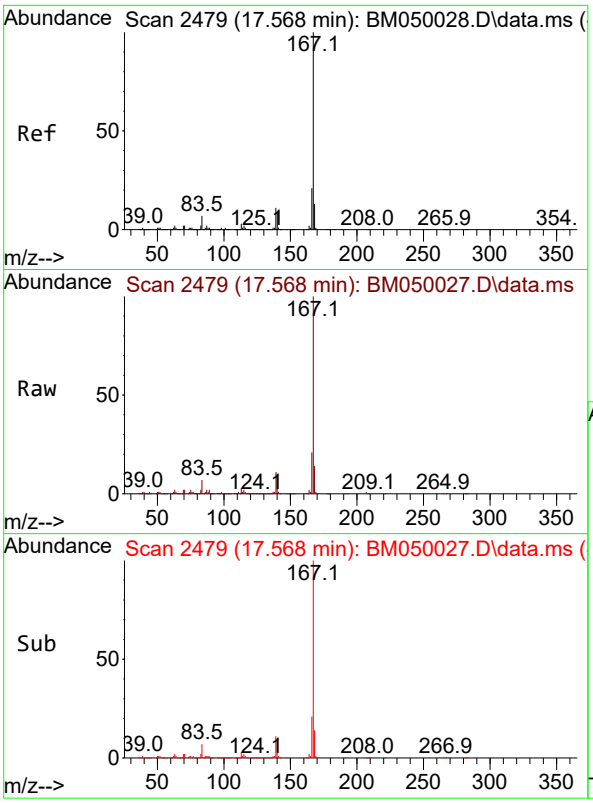


#72
Anthracene
Concen: 19.210 ng
RT: 17.292 min Scan# 2432
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:178 Resp: 1364462

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	15.3	12.2	18.4

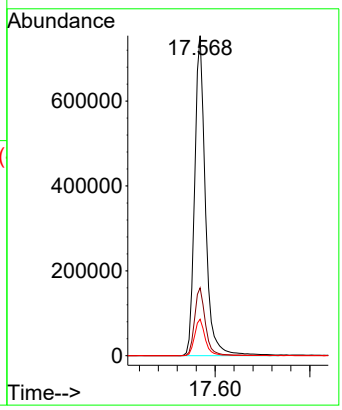




#73
Carbazole
Concen: 19.377 ng
RT: 17.568 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:167 Resp: 119431

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.2	25.8
139	11.4	9.0	13.6



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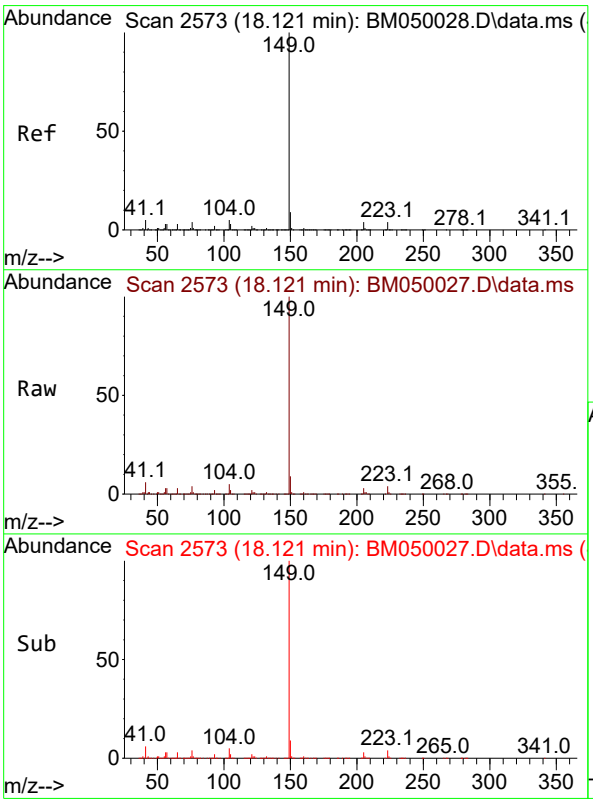
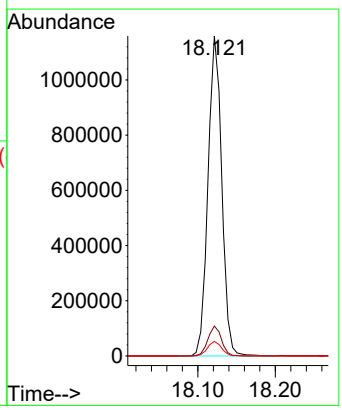
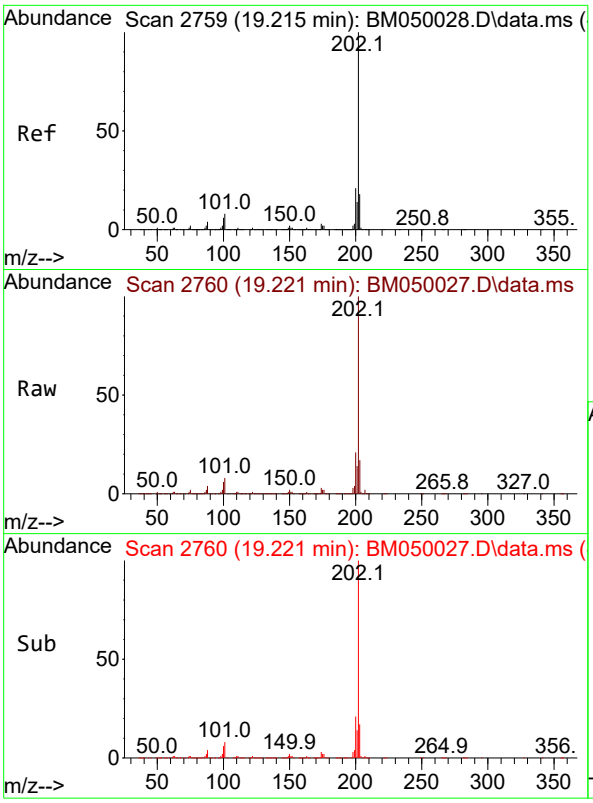


#74
Di-n-butylphthalate
Concen: 19.519 ng
RT: 18.121 min Scan# 2573
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:149 Resp: 1432688

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.3	10.9
104	4.6	3.8	5.6

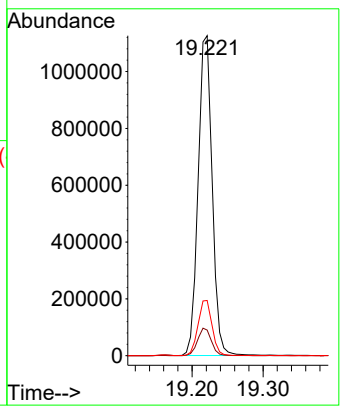




#75
Fluoranthene
Concen: 18.872 ng
RT: 19.221 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:202 Resp: 155516

Ion	Ratio	Lower	Upper
202	100		
101	8.0	0.0	28.0
203	17.2	0.0	37.7



Instrument :
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ClientSampleId :
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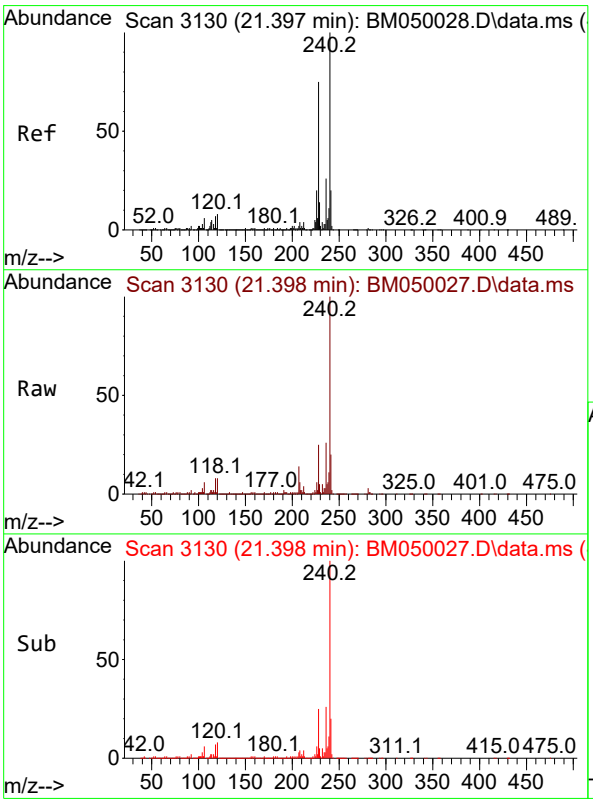
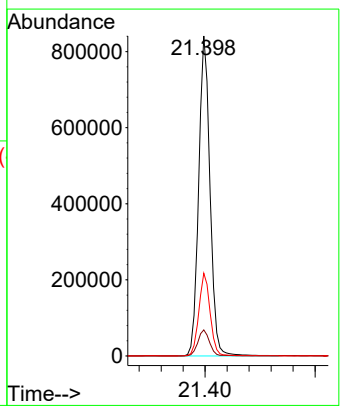
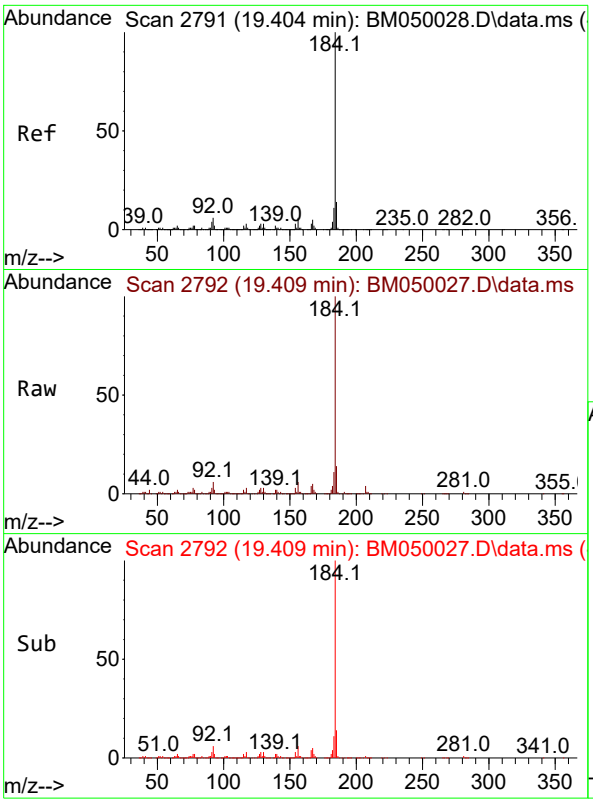


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.398 min Scan# 3130
Delta R.T. 0.001 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:240 Resp: 1204355

Ion	Ratio	Lower	Upper
240	100		
120	8.2	6.5	9.7
236	25.9	20.9	31.3

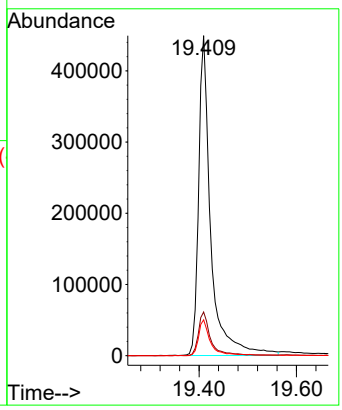




#77
Benzidine
Concen: 18.175 ng
RT: 19.409 min Scan# 2
Delta R.T. 0.005 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:184 Resp: 77750

Ion	Ratio	Lower	Upper
184	100		
185	13.7	11.5	17.3
183	11.2	8.9	13.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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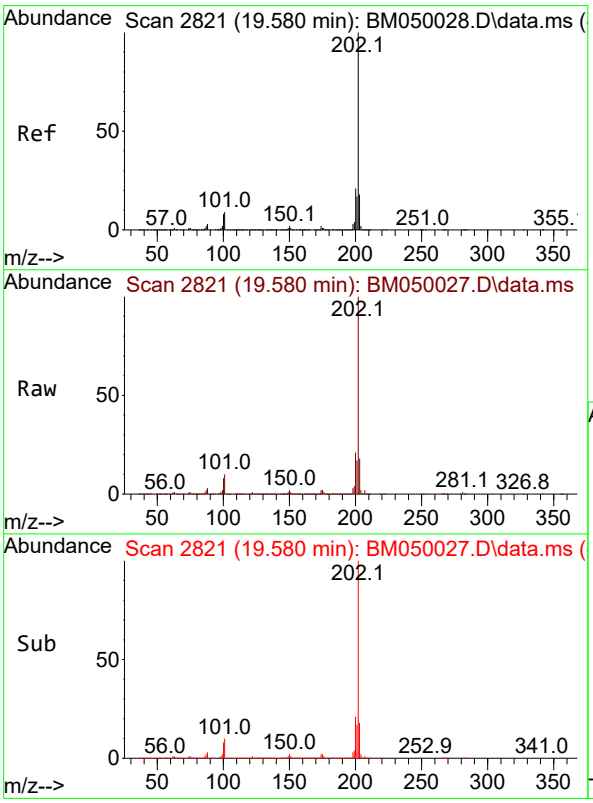
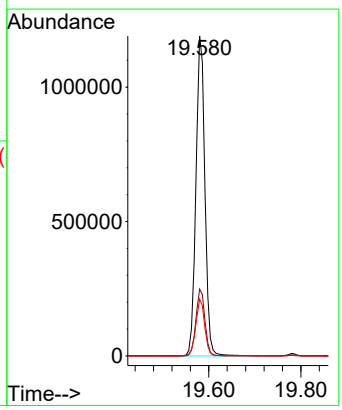
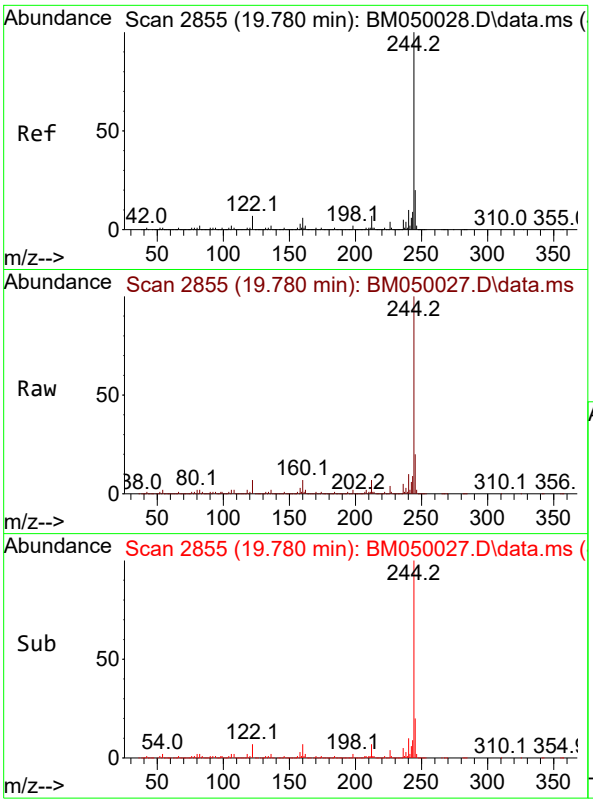


#78
Pyrene
Concen: 18.964 ng
RT: 19.580 min Scan# 2821
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:202 Resp: 1603874

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.8	14.1	21.1

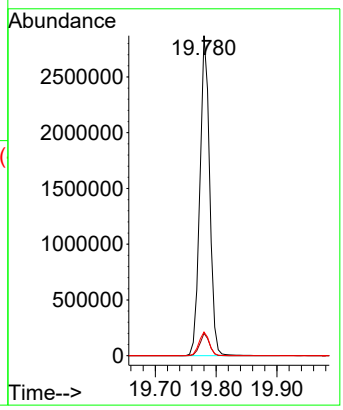




#79
Terphenyl-d14
Concen: 39.418 ng
RT: 19.780 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:244 Resp: 320824

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



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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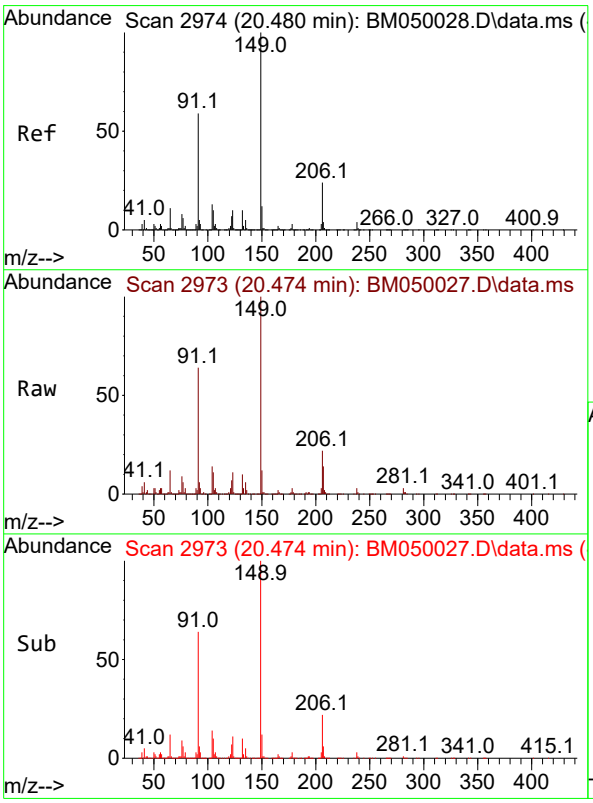
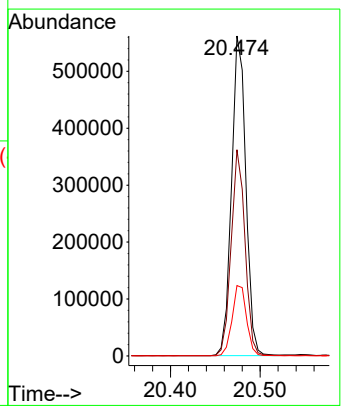
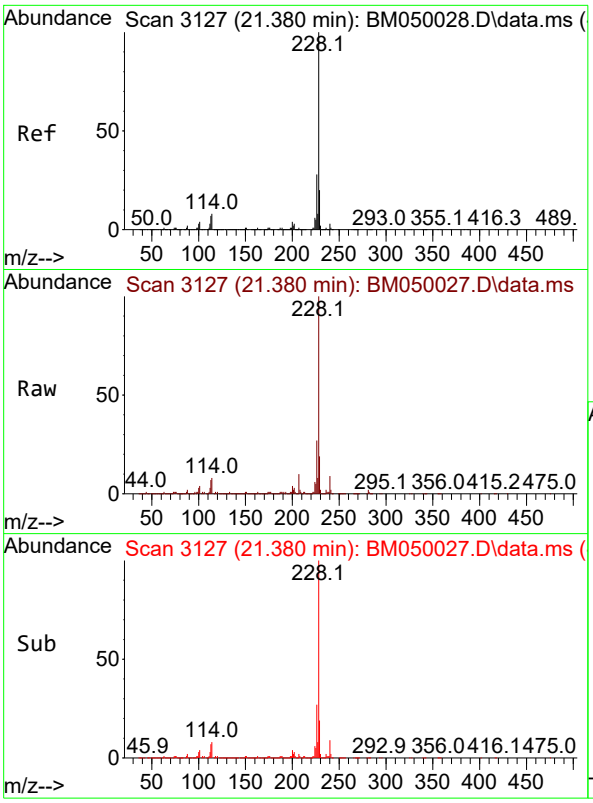


#80
Butylbenzylphthalate
Concen: 19.597 ng
RT: 20.474 min Scan# 2973
Delta R.T. -0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:149 Resp: 620751

Ion	Ratio	Lower	Upper
149	100		
91	64.4	47.4	71.2
206	22.0	19.4	29.0

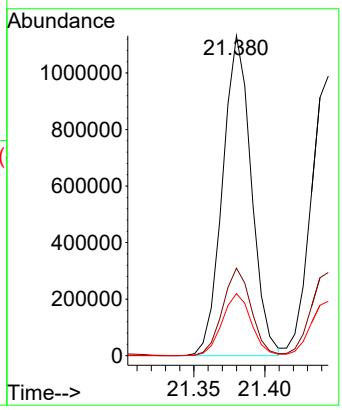




#81
Benzo(a)anthracene
Concen: 19.187 ng
RT: 21.380 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:228 Resp: 159129

Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.1	33.1
229	19.4	15.7	23.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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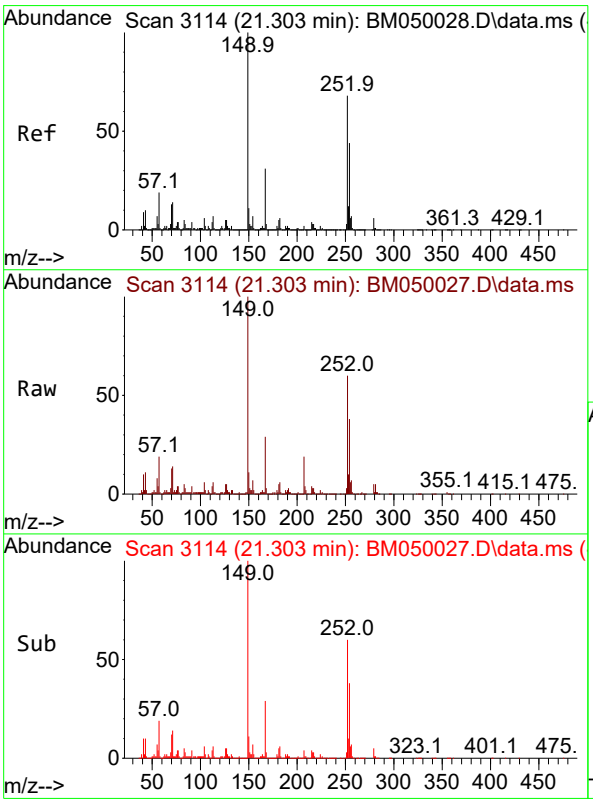
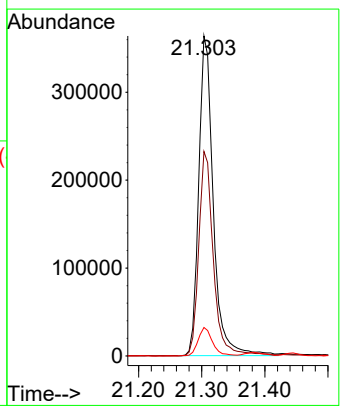
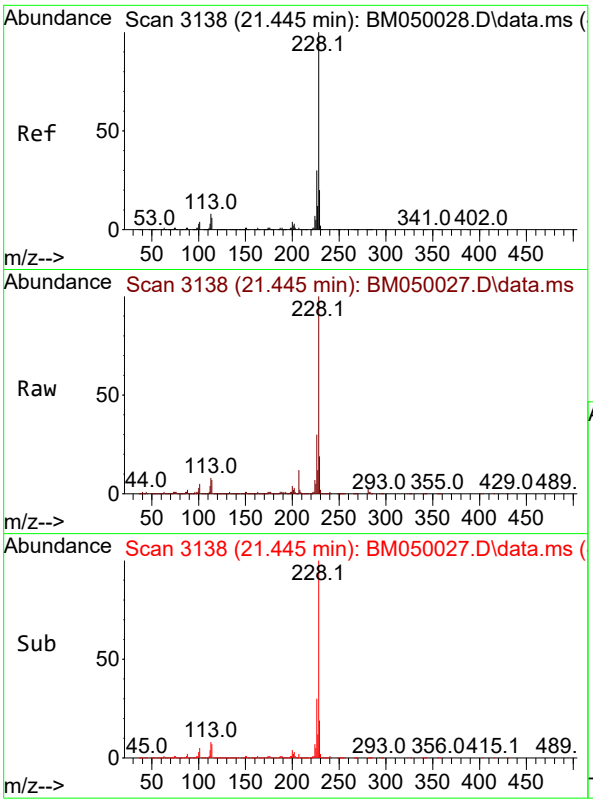


#82
3,3'-Dichlorobenzidine
Concen: 18.333 ng
RT: 21.303 min Scan# 3114
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:252 Resp: 582038

Ion	Ratio	Lower	Upper
252	100		
254	63.9	51.8	77.6
126	8.9	6.0	9.0

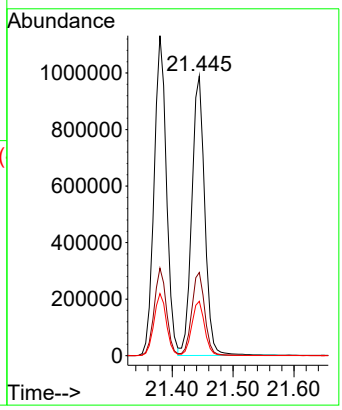




#83
Chrysene
Concen: 19.044 ng
RT: 21.445 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:228 Resp: 146177

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.2	36.2
229	19.5	15.7	23.5



Instrument :
BNA_M
ClientSampleId :
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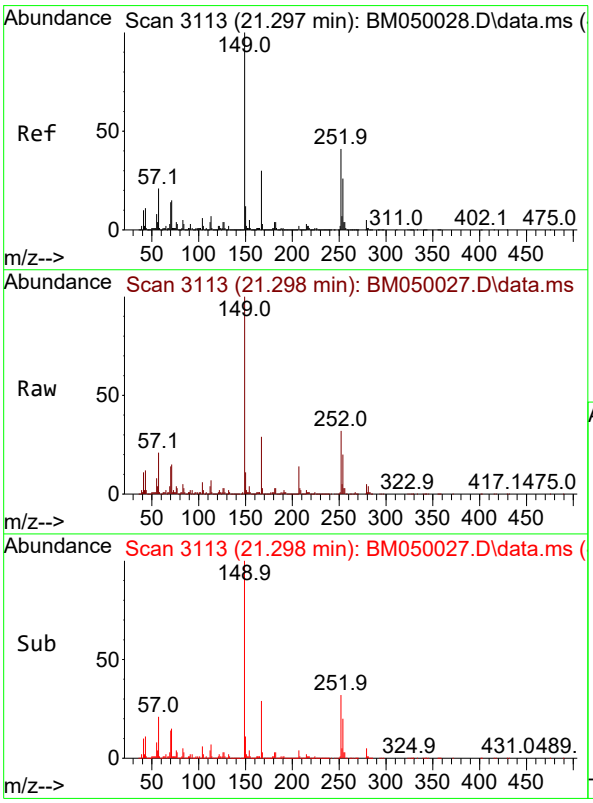
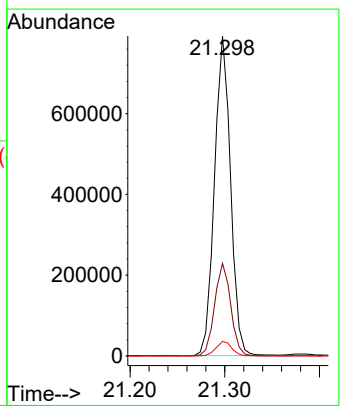
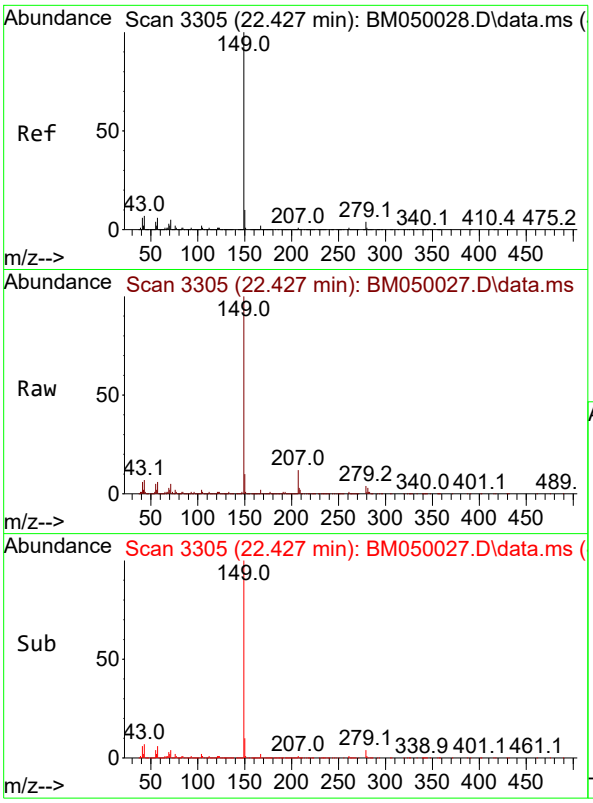


#84
Bis(2-ethylhexyl)phthalate
Concen: 19.730 ng
RT: 21.298 min Scan# 3113
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:149 Resp: 933505

Ion	Ratio	Lower	Upper
149	100		
167	29.0	24.1	36.1
279	4.6	3.9	5.9

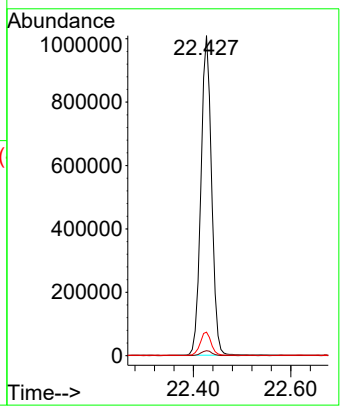




#85
Di-n-octyl phthalate
Concen: 19.552 ng
RT: 22.427 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:149 Resp: 152559

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.4	5.8	8.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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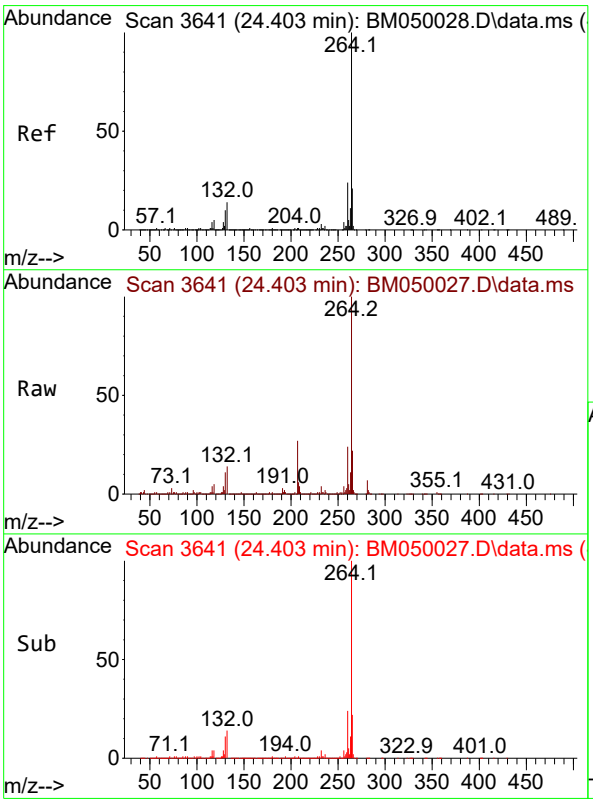
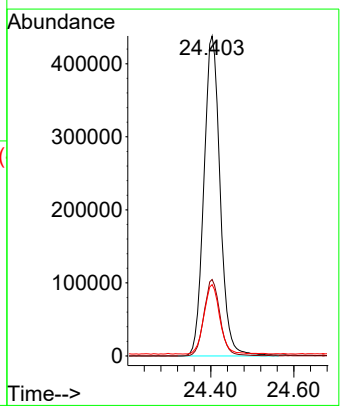
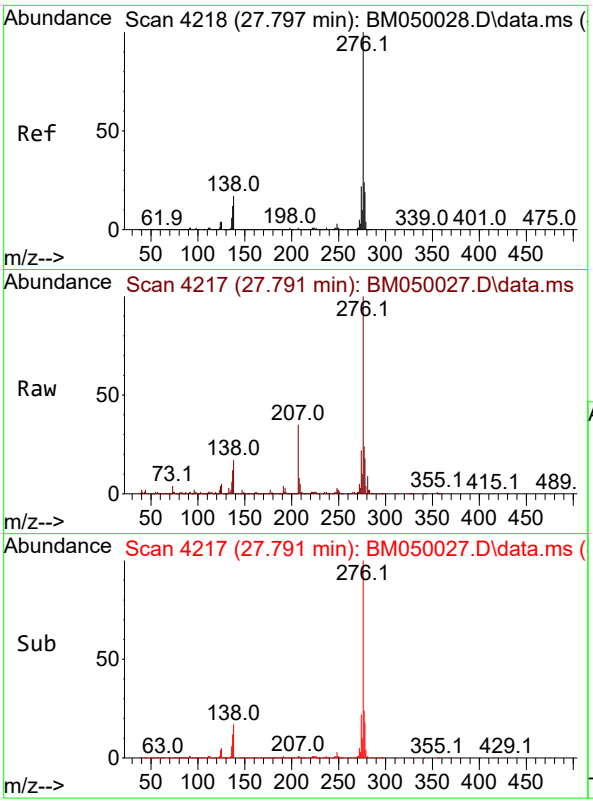


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3641
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:264 Resp: 1191041

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.8	28.2
265	22.3	17.0	25.4

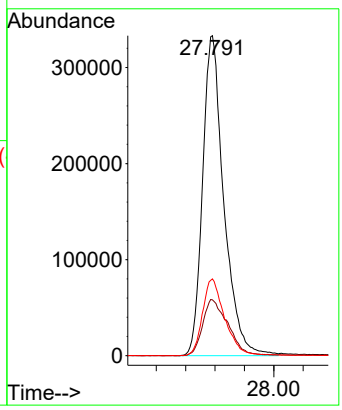




#87
Indeno(1,2,3-cd)pyrene
Concen: 18.840 ng
RT: 27.791 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:276 Resp: 167196

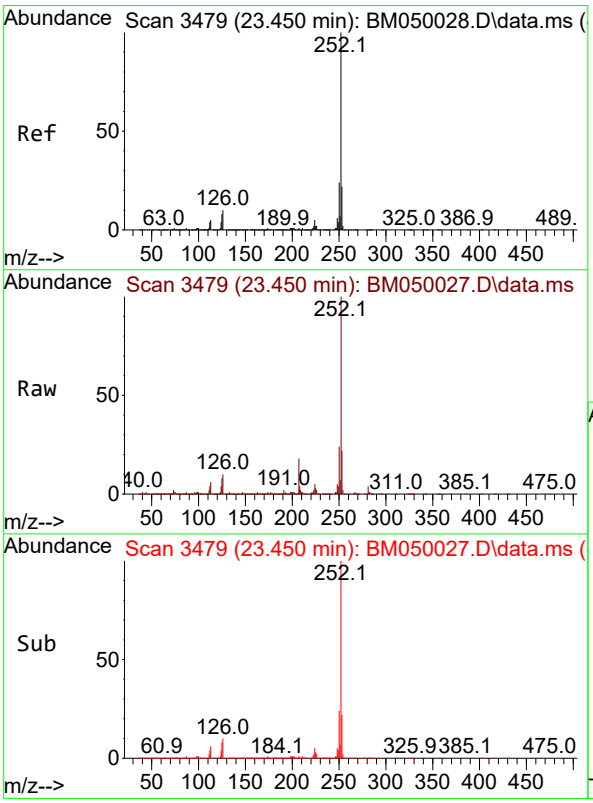
Ion	Ratio	Lower	Upper
276	100		
138	20.9	16.4	24.6
277	25.0	19.8	29.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

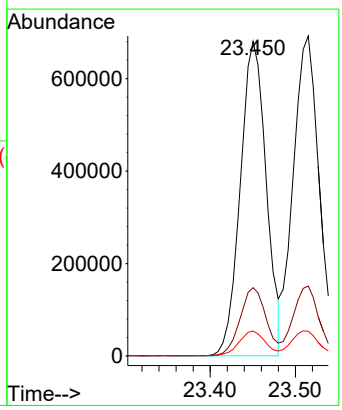
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

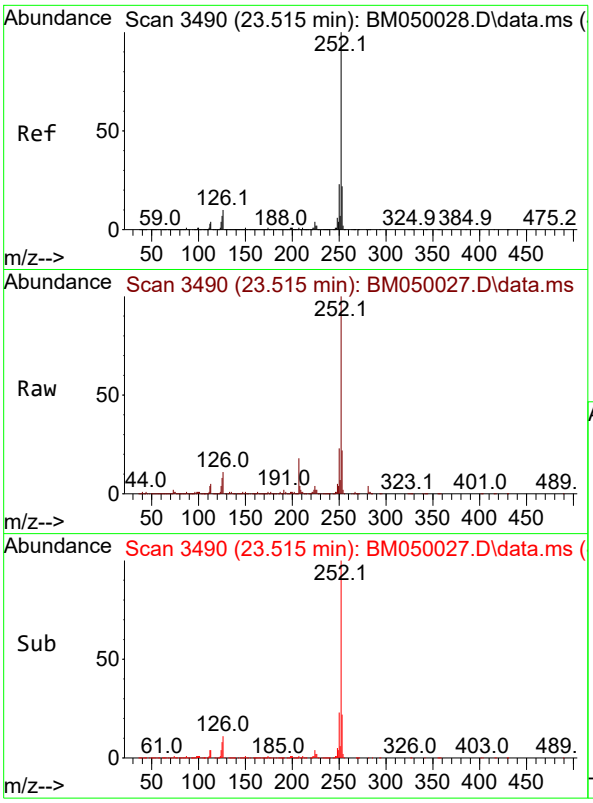


#88
Benzo(b)fluoranthene
Concen: 18.588 ng
RT: 23.450 min Scan# 3479
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:252 Resp: 1439776

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	7.9	6.1	9.1

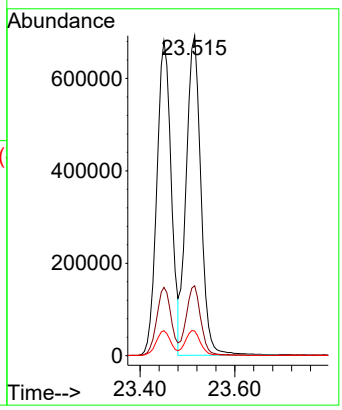




#89
Benzo(k)fluoranthene
Concen: 19.005 ng
RT: 23.515 min Scan# 34
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:252 Resp: 148941

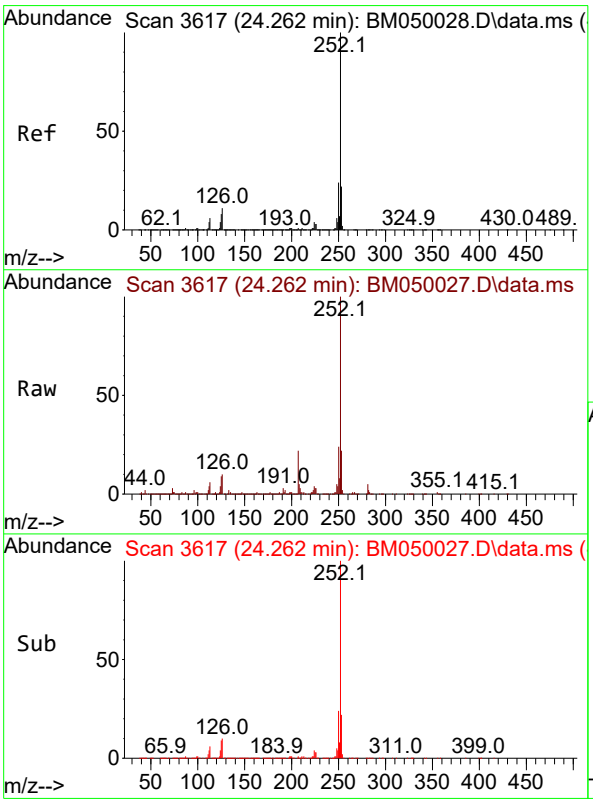
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	7.7	5.8	8.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

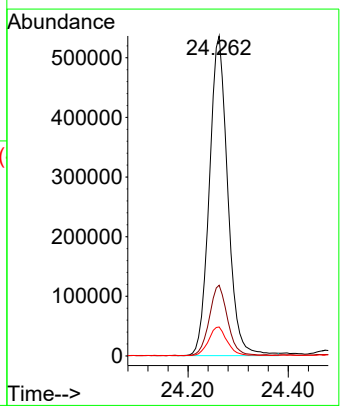
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

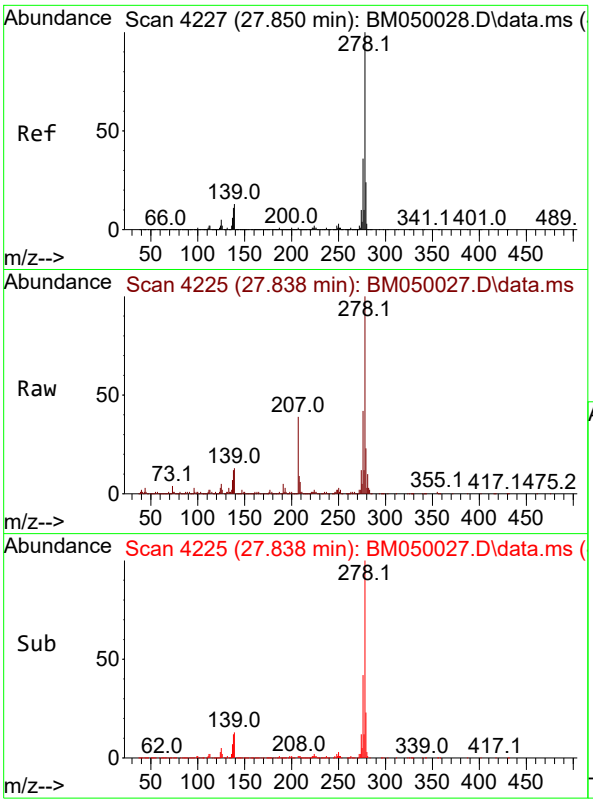


#90
Benzo(a)pyrene
Concen: 18.825 ng
RT: 24.262 min Scan# 3617
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:252 Resp: 1365706

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.0
125	9.0	6.6	9.8

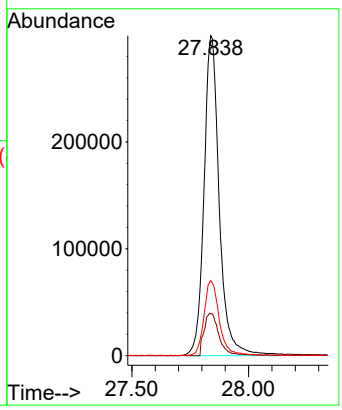




#91
Dibenzo(a,h)anthracene
Concen: 18.803 ng
RT: 27.838 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:278 Resp: 136026

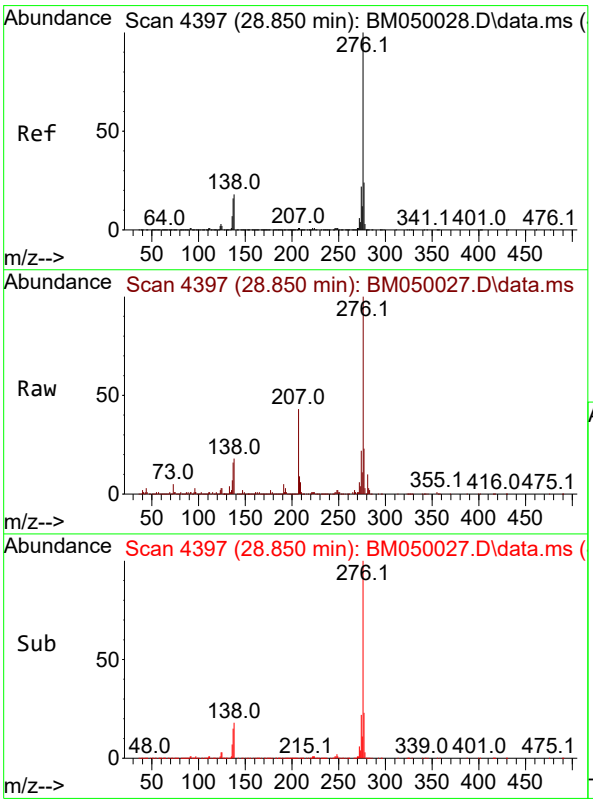
Ion	Ratio	Lower	Upper
278	100		
139	13.1	10.5	15.7
279	23.4	19.4	29.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

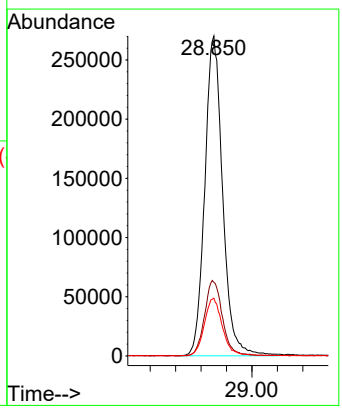
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#92
Benzo(g,h,i)perylene
Concen: 19.008 ng
RT: 28.850 min Scan# 4397
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:276 Resp: 1316513

Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.1	28.7
138	18.1	14.3	21.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050028.D
Acq On : 28 Apr 2025 15:06
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Quant Time: Apr 28 17:56:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	241109	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	890488	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	591599	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1163791	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1114654	20.000	ng	0.00
86) Perylene-d12	24.403	264	1072526	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1165032	84.611	ng	0.00
7) Phenol-d6	6.951	99	1487856	85.973	ng	0.00
23) Nitrobenzene-d5	8.928	82	1547270	85.620	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	751927	85.958	ng	0.00
45) 2-Fluorobiphenyl	13.033	172	4275240	85.489	ng	0.00
79) Terphenyl-d14	19.780	244	6797031	90.233	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.252	88	246624	41.774	ng	100
3) Pyridine	3.657	79	641890	42.316	ng	100
4) n-Nitrosodimethylamine	3.563	42	251749	42.316	ng	100
6) Aniline	7.098	93	936673	42.862	ng	100
8) 2-Chlorophenol	7.340	128	632836	42.508	ng	100
9) Benzaldehyde	6.910	77	497166	42.981	ng	100
10) Phenol	6.981	94	742305	42.370	ng	100
11) bis(2-Chloroethyl)ether	7.193	93	616851	42.166	ng	100
12) 1,3-Dichlorobenzene	7.657	146	754937	41.979	ng	100
13) 1,4-Dichlorobenzene	7.804	146	752959	41.677	ng	100
14) 1,2-Dichlorobenzene	8.122	146	733848	42.050	ng	100
15) Benzyl Alcohol	8.016	79	521025	43.413	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.292	45	748400	42.085	ng	100
17) 2-Methylphenol	8.222	107	498005	43.149	ng	100
18) Hexachloroethane	8.845	117	268328	41.780	ng	100
19) n-Nitroso-di-n-propyla...	8.575	70	483699	43.579	ng	100
20) 3+4-Methylphenols	8.557	107	671942	43.111	ng	100
22) Acetophenone	8.592	105	946106	42.735	ng	100
24) Nitrobenzene	8.969	77	666034	42.625	ng	100
25) Isophorone	9.498	82	1298577	42.156	ng	100
26) 2-Nitrophenol	9.681	139	349855	43.827	ng	100
27) 2,4-Dimethylphenol	9.751	122	576549	43.552	ng	100
28) bis(2-Chloroethoxy)met...	9.975	93	809528	42.518	ng	100
29) 2,4-Dichlorophenol	10.228	162	644546	43.461	ng	100
30) 1,2,4-Trichlorobenzene	10.428	180	759987	42.060	ng	100
31) Naphthalene	10.610	128	1898588	42.100	ng	100
32) Benzoic acid	9.910	122	351345	41.613	ng	100
33) 4-Chloroaniline	10.728	127	784625	42.448	ng	100
34) Hexachlorobutadiene	10.898	225	481510	41.981	ng	100
35) Caprolactam	11.522	113	185984	43.010	ng	100
36) 4-Chloro-3-methylphenol	11.869	107	579492	42.293	ng	100
37) 2-Methylnaphthalene	12.227	142	1269061	41.973	ng	100
38) 1-Methylnaphthalene	12.445	142	1341577	41.928	ng	100
40) 1,2,4,5-Tetrachloroben...	12.598	216	878448	42.894	ng	100
41) Hexachlorocyclopentadiene	12.580	237	538788	43.050	ng	100
43) 2,4,6-Trichlorophenol	12.851	196	563324	43.368	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050028.D
Acq On : 28 Apr 2025 15:06
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Quant Time: Apr 28 17:56:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

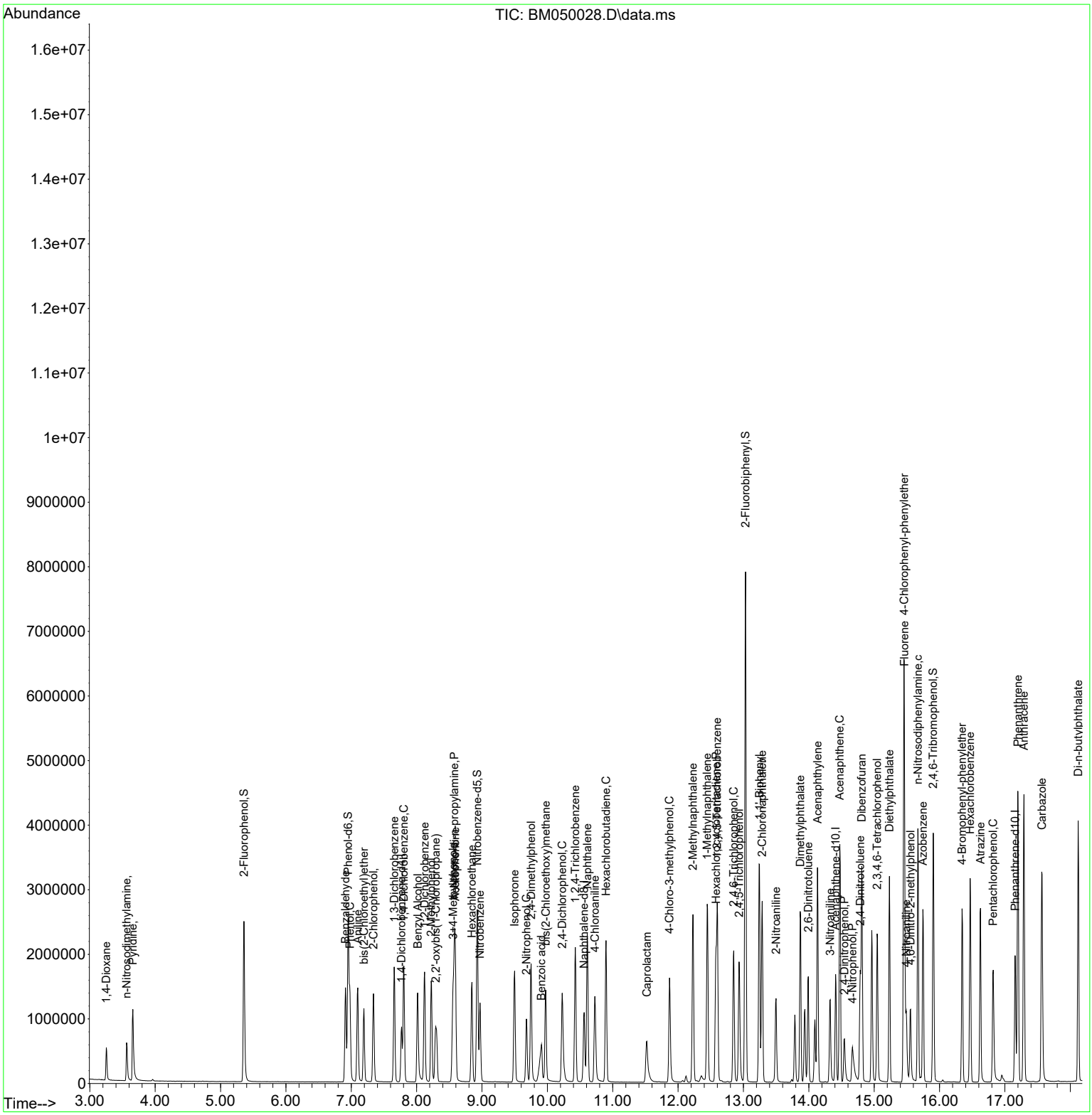
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.933	196	612194	43.706	ng	100
46) 1,1'-Biphenyl	13.245	154	1860581	42.309	ng	100
47) 2-Chloronaphthalene	13.286	162	1479560	42.480	ng	100
48) 2-Nitroaniline	13.498	65	357098	43.684	ng	100
49) Acenaphthylene	14.133	152	2332675	42.478	ng	100
50) Dimethylphthalate	13.869	163	1812335	41.918	ng	100
51) 2,6-Dinitrotoluene	13.992	165	386623	43.191	ng	100
52) Acenaphthene	14.474	154	1340946	42.186	ng	100
53) 3-Nitroaniline	14.327	138	379359	44.389	ng	100
54) 2,4-Dinitrophenol	14.545	184	210115	39.788	ng	100
55) Dibenzofuran	14.810	168	2219206	41.961	ng	100
56) 4-Nitrophenol	14.669	139	264964	40.483	ng	100
57) 2,4-Dinitrotoluene	14.786	165	539867	43.646	ng	100
58) Fluorene	15.463	166	1843261	42.580	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.045	232	514644	42.446	ng	100
60) Diethylphthalate	15.233	149	1696013	41.631	ng	100
61) 4-Chlorophenyl-phenyle...	15.457	204	1014134	42.652	ng	100
62) 4-Nitroaniline	15.492	138	370884	44.949	ng	100
63) Azobenzene	15.745	77	1439085	42.150	ng	100
65) 4,6-Dinitro-2-methylph...	15.557	198	315113	43.256	ng	100
66) n-Nitrosodiphenylamine	15.668	169	1525193	42.678	ng	100
67) 4-Bromophenyl-phenylether	16.345	248	600373	42.660	ng	100
68) Hexachlorobenzene	16.468	284	683325	42.122	ng	100
69) Atrazine	16.627	200	550018	42.668	ng	100
70) Pentachlorophenol	16.821	266	387613	42.448	ng	100
71) Phenanthrene	17.198	178	2762249	42.082	ng	100
72) Anthracene	17.292	178	2824805	42.525	ng	100
73) Carbazole	17.568	167	2452474	42.547	ng	100
74) Di-n-butylphthalate	18.121	149	2899479	42.239	ng	100
75) Fluoranthene	19.215	202	3282789	42.598	ng	100
77) Benzidine	19.404	184	1720168	43.446	ng	100
78) Pyrene	19.580	202	3383053	43.220	ng	100
80) Butylbenzylphthalate	20.480	149	1251950	42.704	ng	100
81) Benzo(a)anthracene	21.380	228	3295625	42.935	ng	100
82) 3,3'-Dichlorobenzidine	21.303	252	1292611	43.991	ng	100
83) Chrysene	21.445	228	2992790	42.127	ng	100
84) Bis(2-ethylhexyl)phtha...	21.297	149	1878368	42.895	ng	100
85) Di-n-octyl phthalate	22.427	149	3044578	42.160	ng	100
87) Indeno(1,2,3-cd)pyrene	27.797	276	3435665	42.991	ng	100
88) Benzo(b)fluoranthene	23.450	252	3016197	43.243	ng	100
89) Benzo(k)fluoranthene	23.515	252	2974903	42.155	ng	100
90) Benzo(a)pyrene	24.262	252	2777683	42.519	ng	100
91) Dibenzo(a,h)anthracene	27.850	278	2787948	42.796	ng	100
92) Benzo(g,h,i)perylene	28.850	276	2651145	42.508	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050028.D
Acq On : 28 Apr 2025 15:06
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Quant Time: Apr 28 17:56:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050028.D
Acq On : 28 Apr 2025 15:06
Operator : RC/JU
Sample : SSTDICCC040
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Instrument :
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ClientSampleId :
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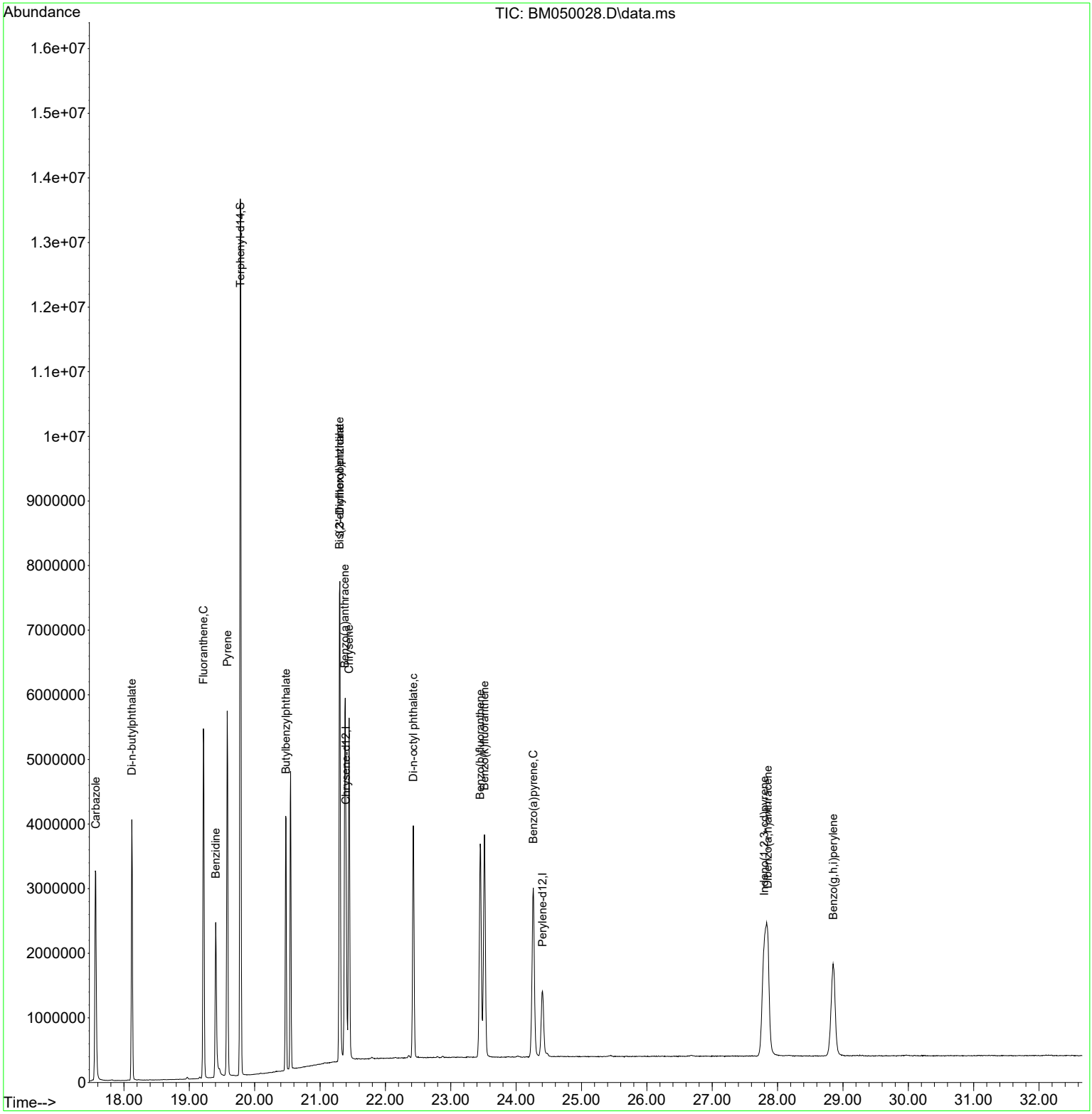
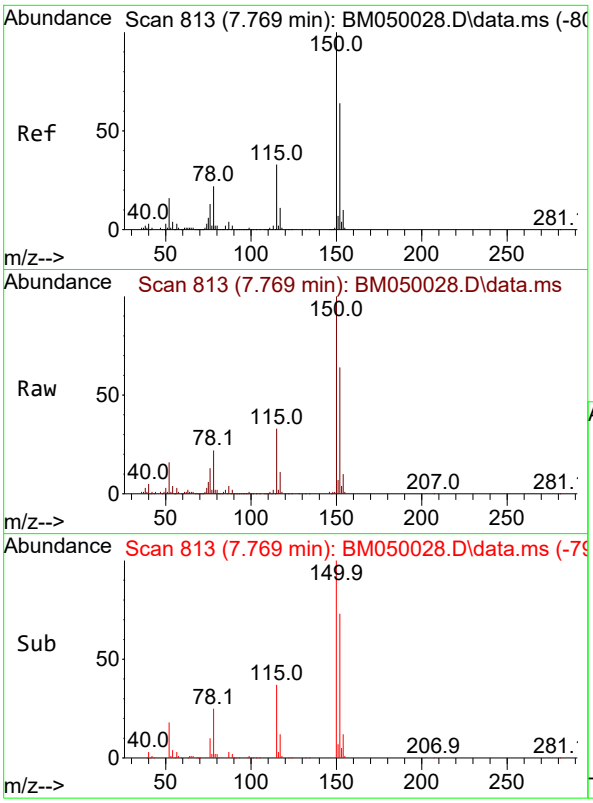
Quant Time: Apr 28 17:56:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration



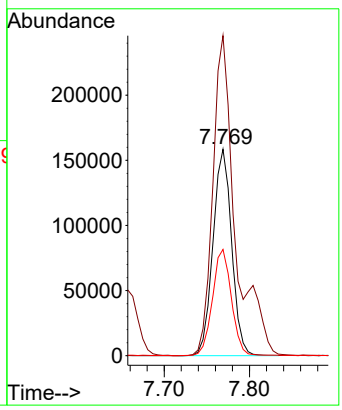


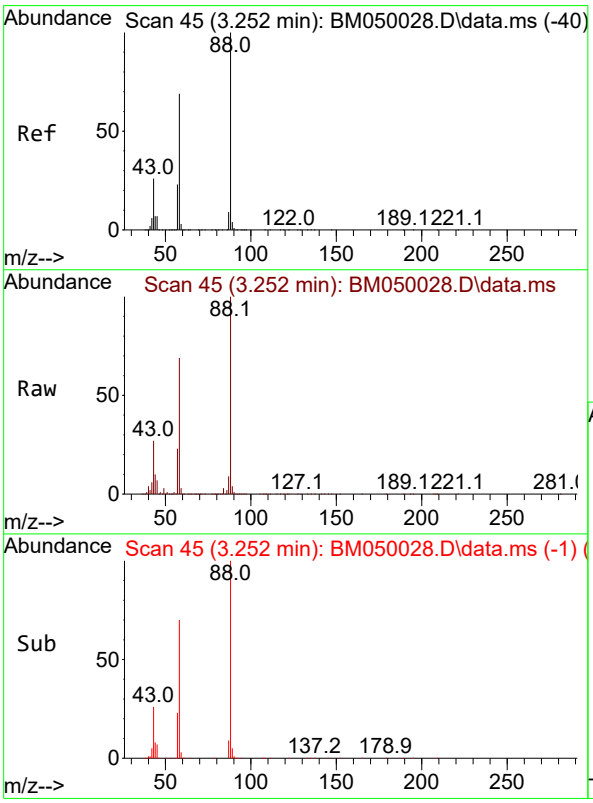
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 241109

Ion	Ratio	Lower	Upper
152	100		
150	155.1	124.1	186.1
115	51.5	41.2	61.8

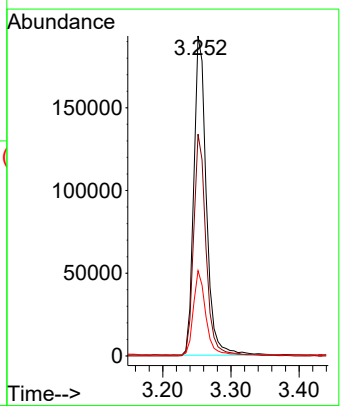


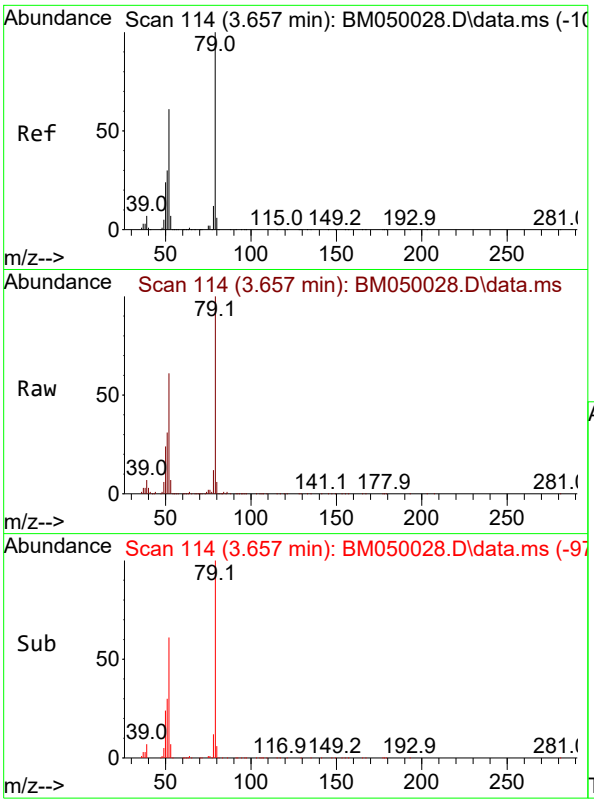


#2
1,4-Dioxane
Concen: 41.774 ng
RT: 3.252 min Scan# 45
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion: 88 Resp: 246624

Ion	Ratio	Lower	Upper
88	100		
58	68.9	55.1	82.7
43	26.1	20.9	31.3



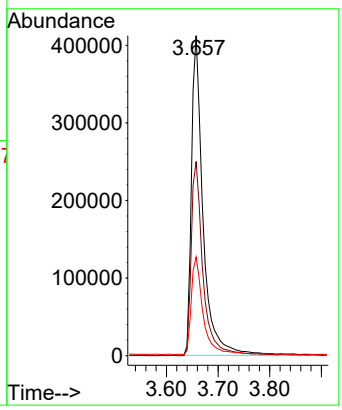


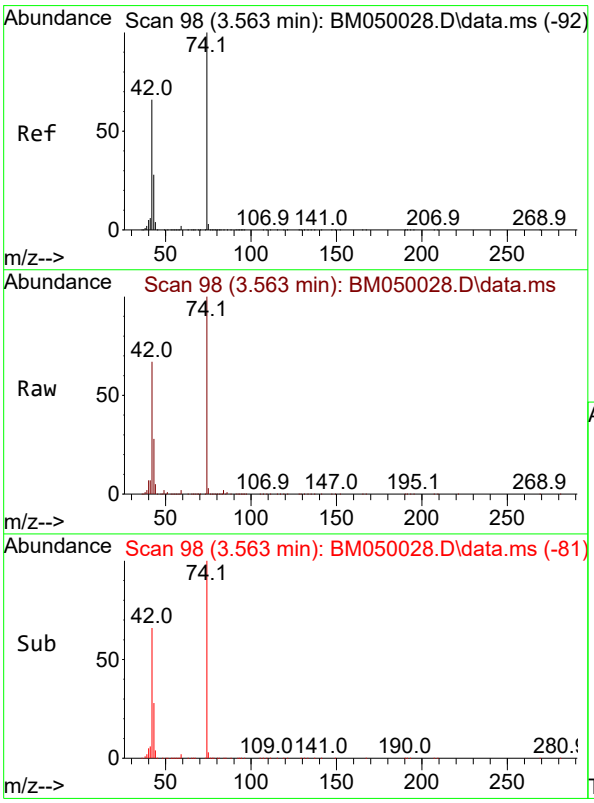
#3
Pyridine
Concen: 42.316 ng
RT: 3.657 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 641890

Ion	Ratio	Lower	Upper
79	100		
52	60.7	48.6	72.8
51	30.8	24.6	37.0

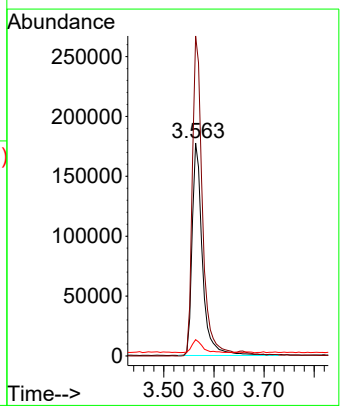


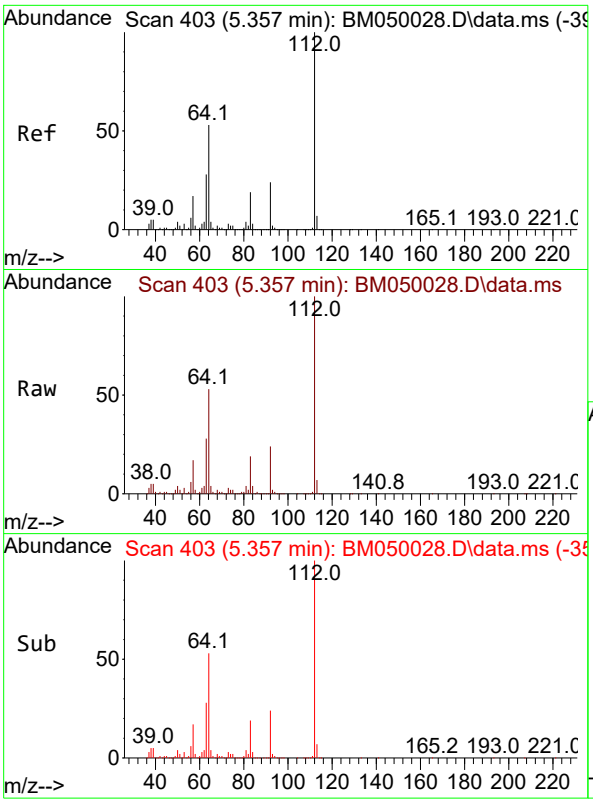


#4
n-Nitrosodimethylamine
Concen: 42.316 ng
RT: 3.563 min Scan# 98
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion: 42 Resp: 251749

Ion	Ratio	Lower	Upper
42	100		
74	150.2	120.2	180.2
44	7.7	6.2	9.2



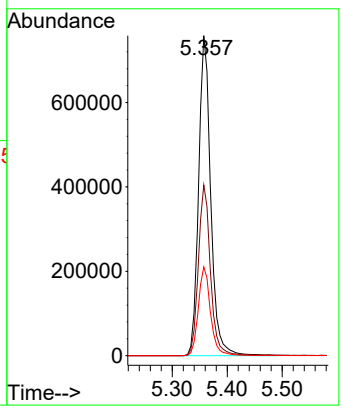


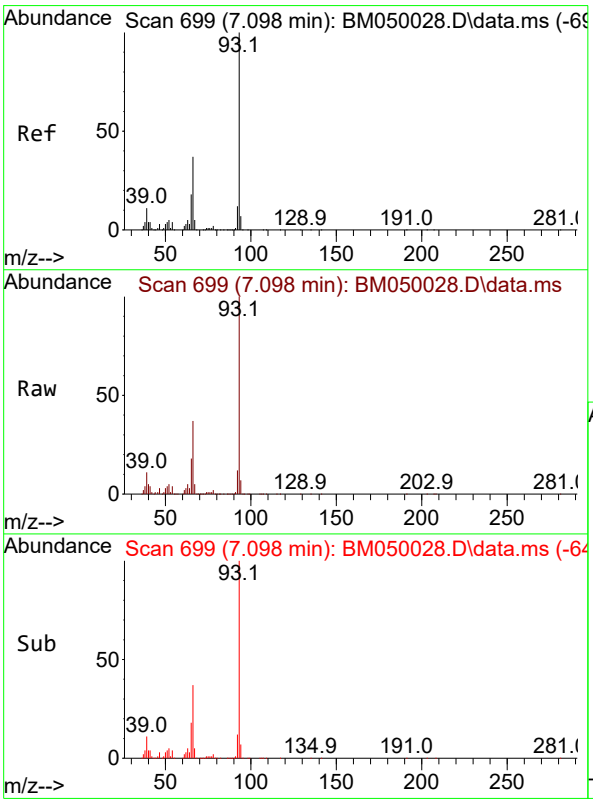
#5
2-Fluorophenol
Concen: 84.611 ng
RT: 5.357 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 1165032

Ion	Ratio	Lower	Upper
112	100		
64	53.3	42.6	64.0
63	27.8	22.2	33.4

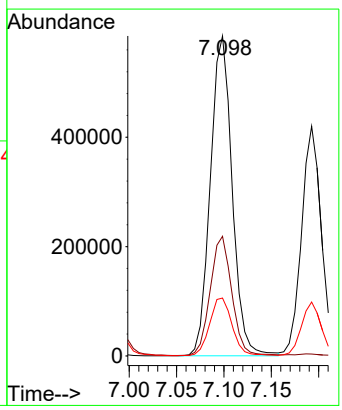


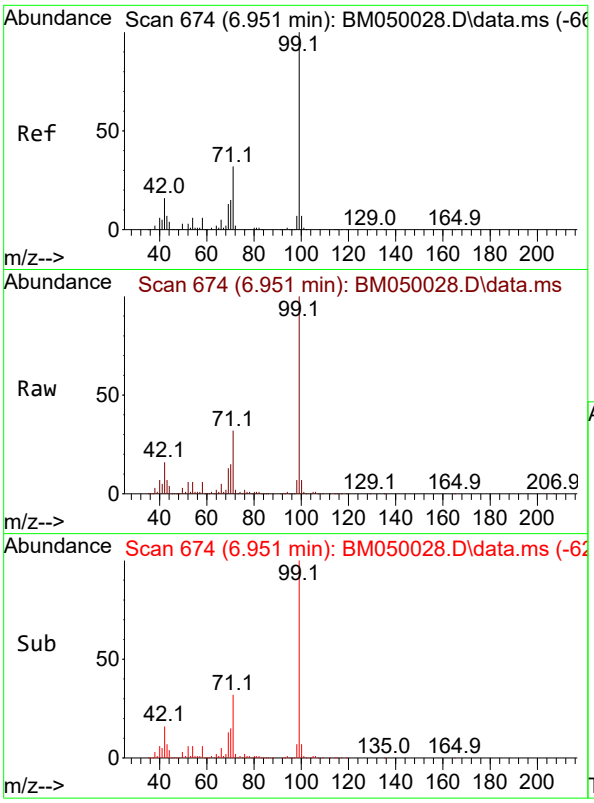


#6
Aniline
Concen: 42.862 ng
RT: 7.098 min Scan# 699
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion: 93 Resp: 936673

Ion	Ratio	Lower	Upper
93	100		
66	37.4	29.9	44.9
65	18.1	14.5	21.7



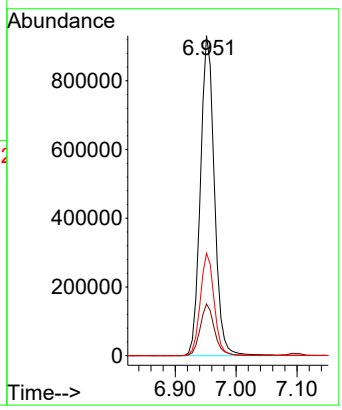


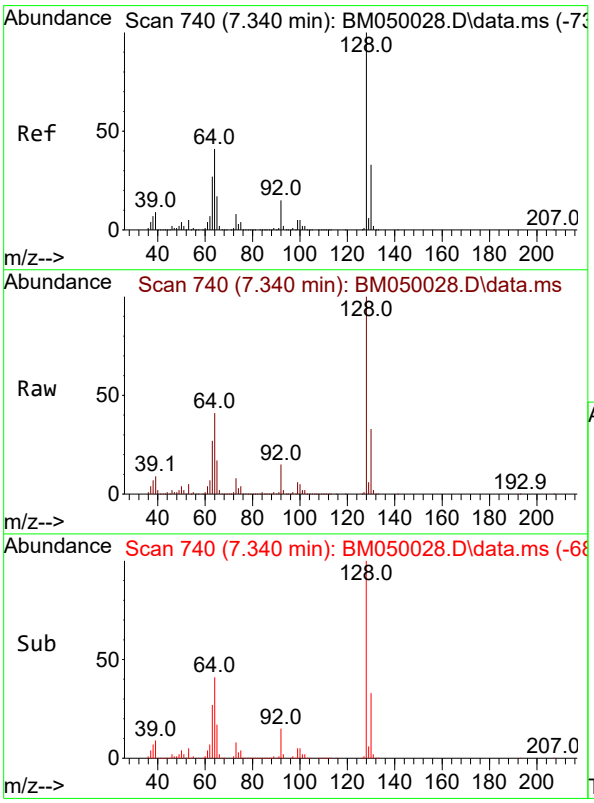
#7
Phenol-d6
Concen: 85.973 ng
RT: 6.951 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 1487856

Ion	Ratio	Lower	Upper
99	100		
42	16.2	13.0	19.4
71	32.0	25.6	38.4

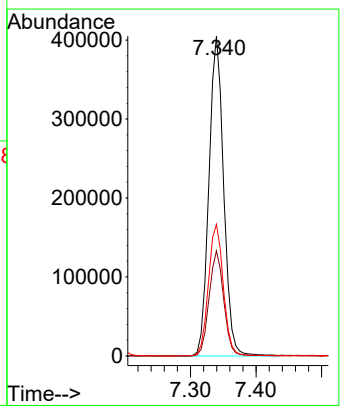


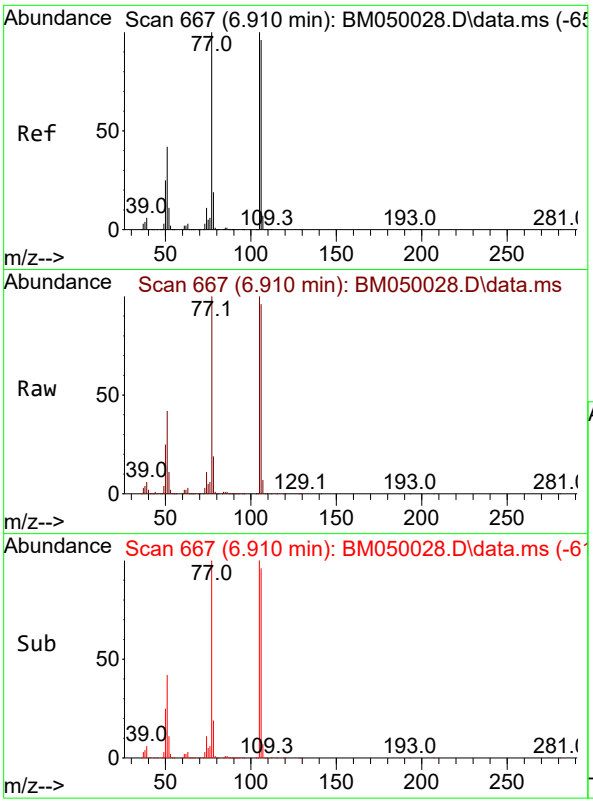


#8
2-Chlorophenol
Concen: 42.508 ng
RT: 7.340 min Scan# 740
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:128 Resp: 632836

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.8	52.8
64	41.2	21.2	61.2



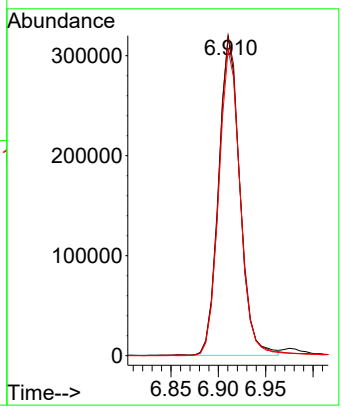


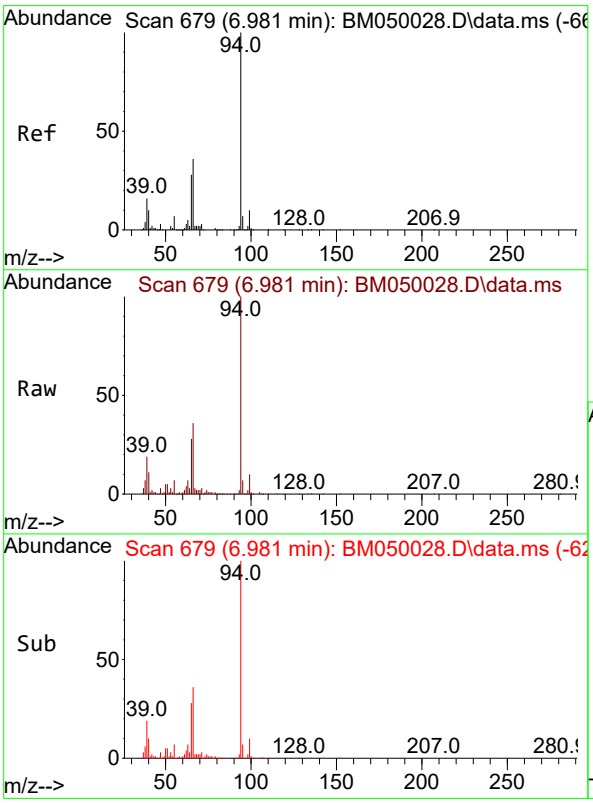
#9
Benzaldehyde
Concen: 42.981 ng
RT: 6.910 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 497166

Ion	Ratio	Lower	Upper
77	100		
105	100.5	80.5	120.5
106	96.1	76.1	116.1

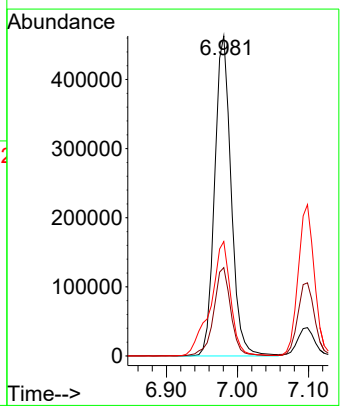


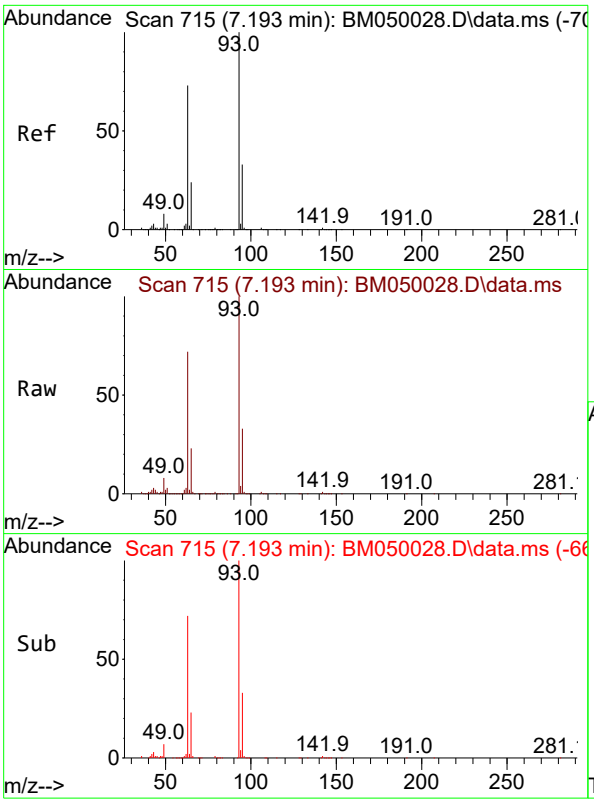


#10
Phenol
Concen: 42.370 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion: 94 Resp: 742305

Ion	Ratio	Lower	Upper
94	100		
65	27.6	7.6	47.6
66	35.8	15.8	55.8



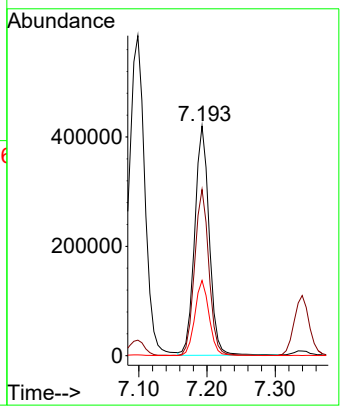


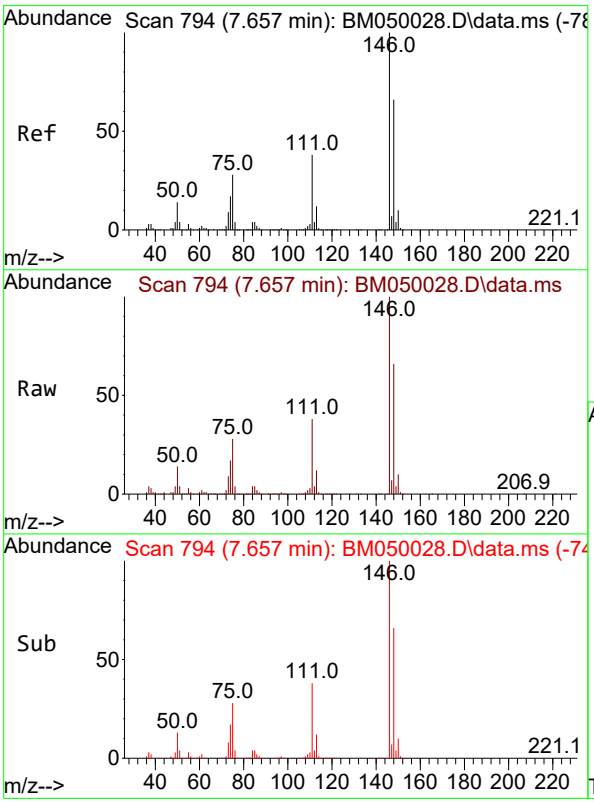
#11
bis(2-Chloroethyl)ether
Concen: 42.166 ng
RT: 7.193 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 616851

Ion	Ratio	Lower	Upper
93	100		
63	72.3	52.3	92.3
95	32.8	12.8	52.8

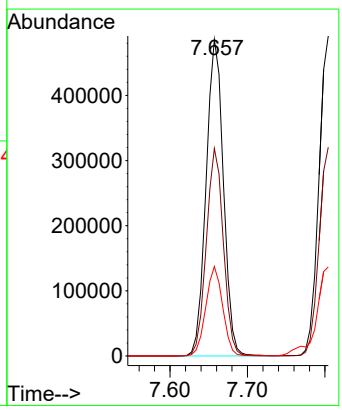


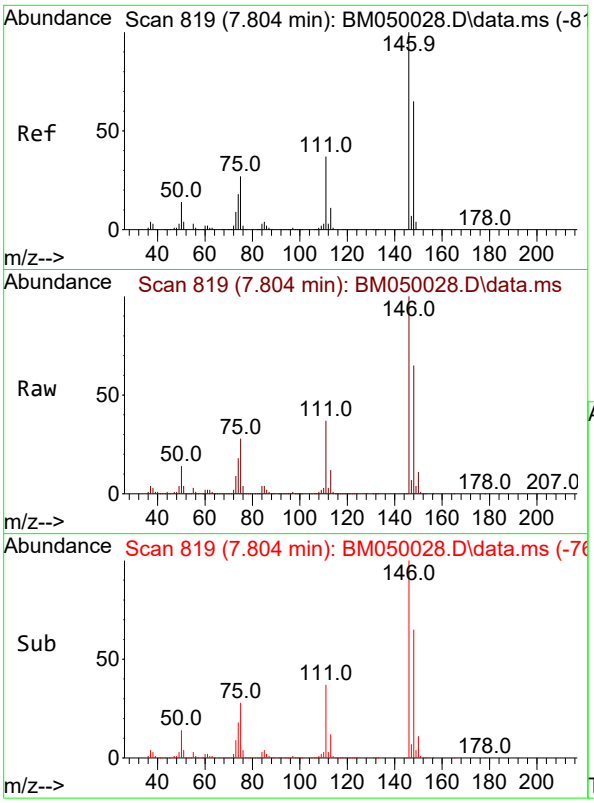


#12
1,3-Dichlorobenzene
Concen: 41.979 ng
RT: 7.657 min Scan# 794
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:146 Resp: 754937

Ion	Ratio	Lower	Upper
146	100		
148	65.6	52.5	78.7
75	28.3	22.6	34.0



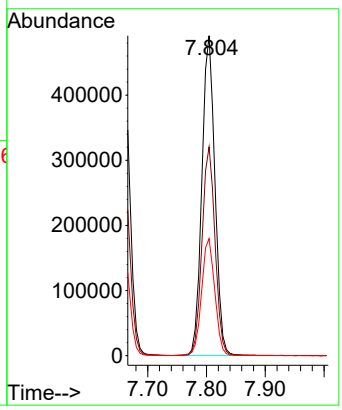


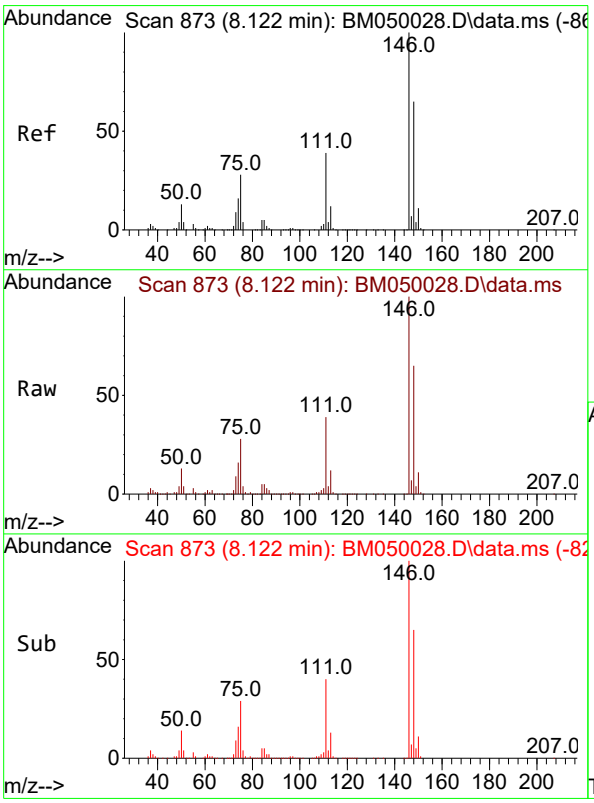
#13
1,4-Dichlorobenzene
Concen: 41.677 ng
RT: 7.804 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 752959

Ion	Ratio	Lower	Upper
146	100		
148	65.2	52.2	78.2
111	36.6	29.3	43.9

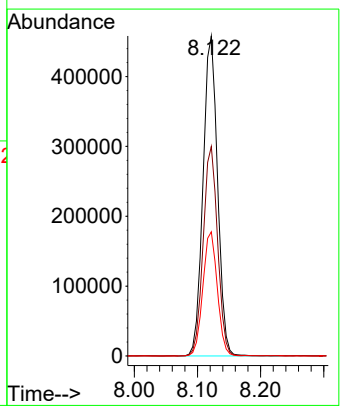


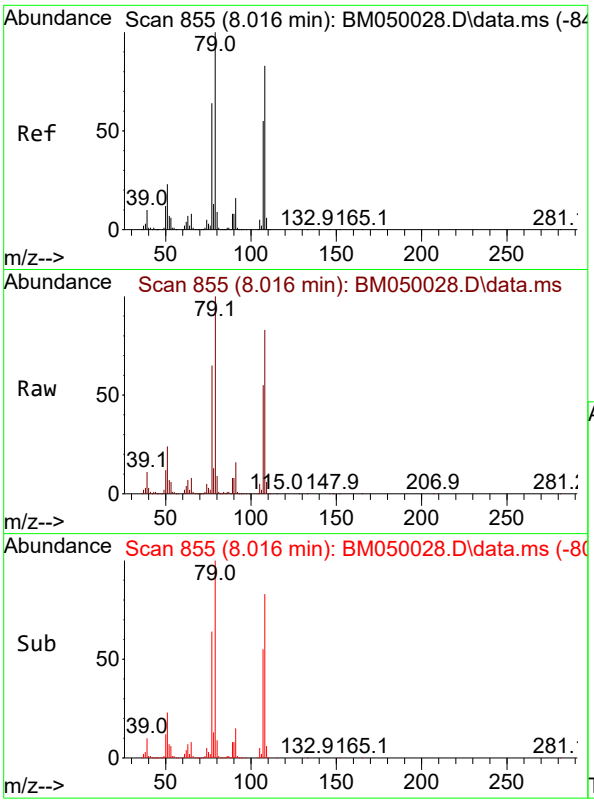


#14
1,2-Dichlorobenzene
Concen: 42.050 ng
RT: 8.122 min Scan# 873
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:146 Resp: 733848

Ion	Ratio	Lower	Upper
146	100		
148	65.5	52.4	78.6
111	38.8	31.0	46.6



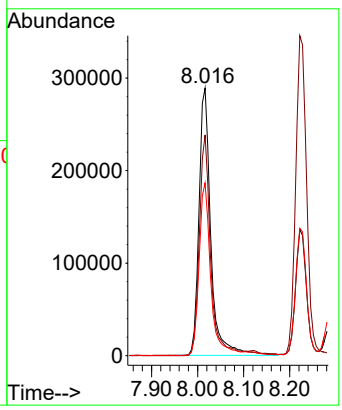


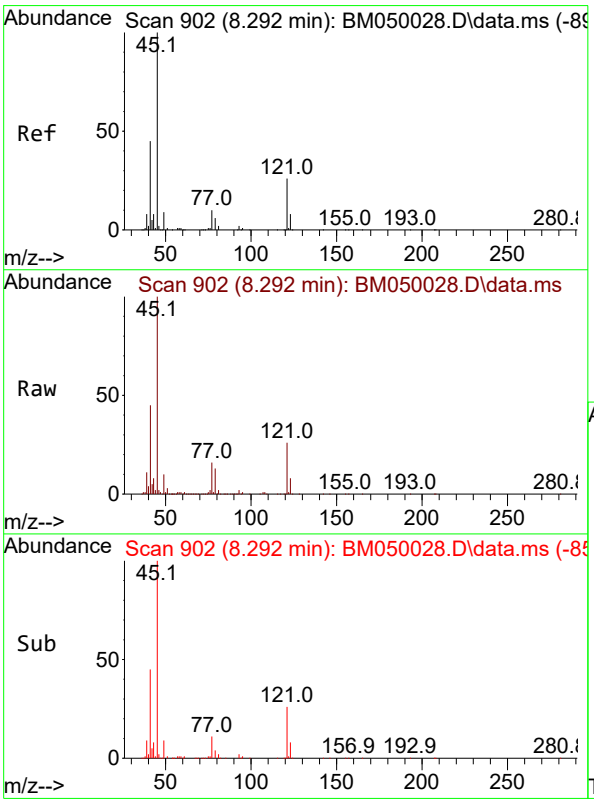
#15
Benzyl Alcohol
Concen: 43.413 ng
RT: 8.016 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 521025

Ion	Ratio	Lower	Upper
79	100		
108	82.5	66.0	99.0
77	64.5	51.6	77.4

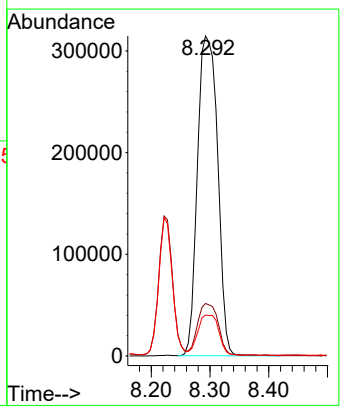


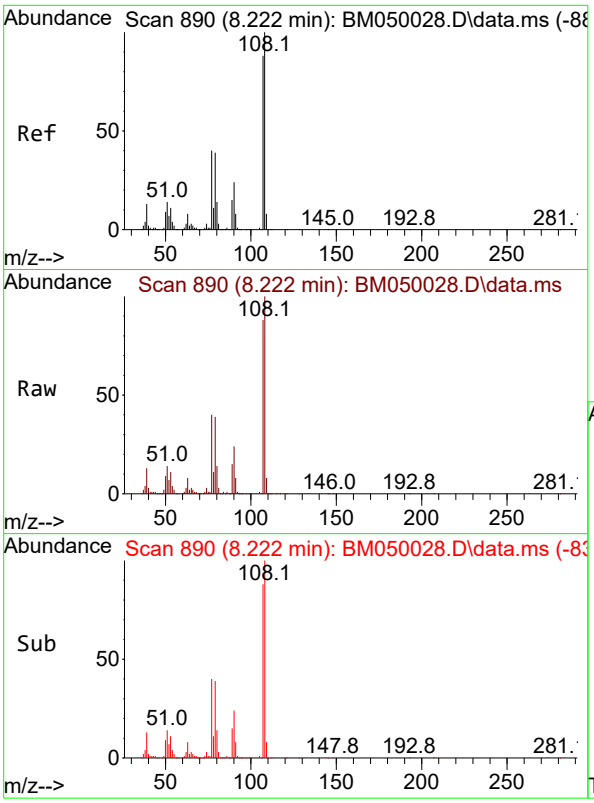


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.085 ng
RT: 8.292 min Scan# 902
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion: 45 Resp: 748400

Ion	Ratio	Lower	Upper
45	100		
77	16.4	0.0	36.4
79	12.7	0.0	32.7



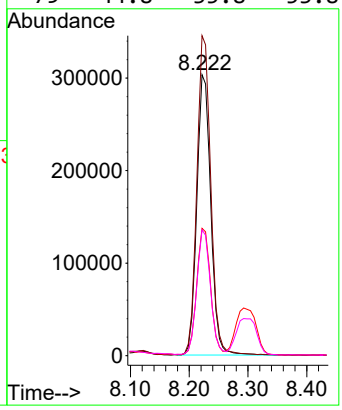


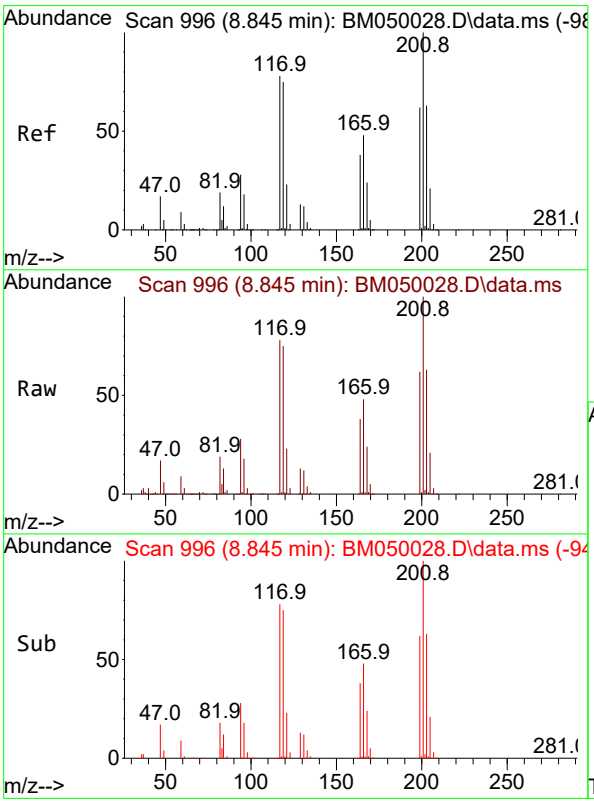
#17
2-Methylphenol
Concen: 43.149 ng
RT: 8.222 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 498005

Ion	Ratio	Lower	Upper
107	100		
108	113.9	91.1	136.7
77	45.3	36.2	54.4
79	44.8	35.8	53.8

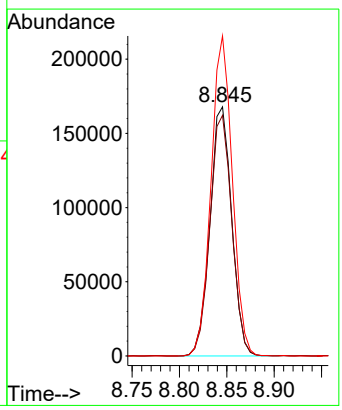


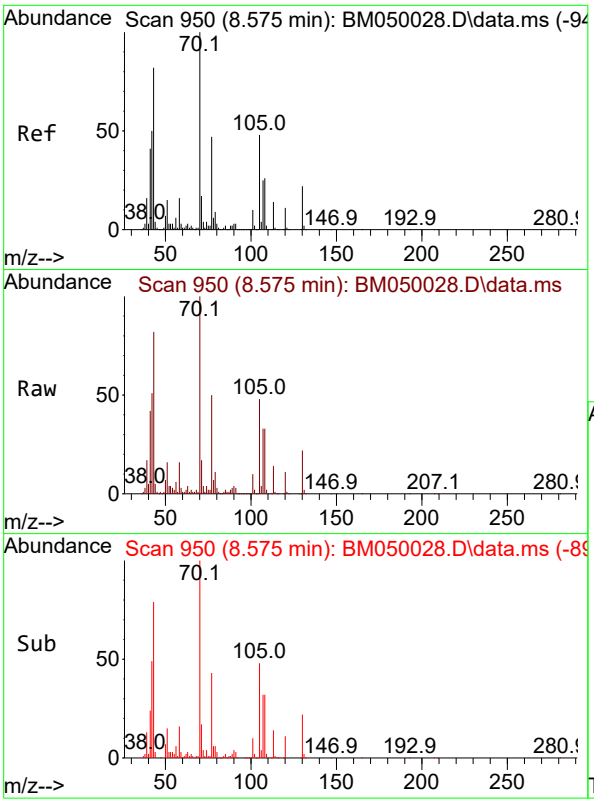


#18
Hexachloroethane
Concen: 41.780 ng
RT: 8.845 min Scan# 996
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:117 Resp: 268328

Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.3	115.9
201	128.5	102.8	154.2



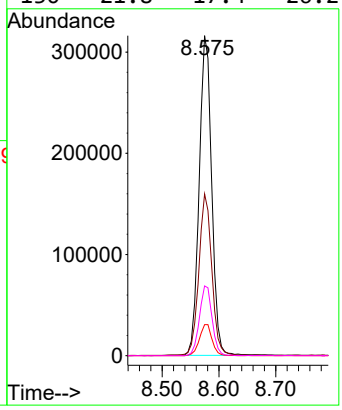


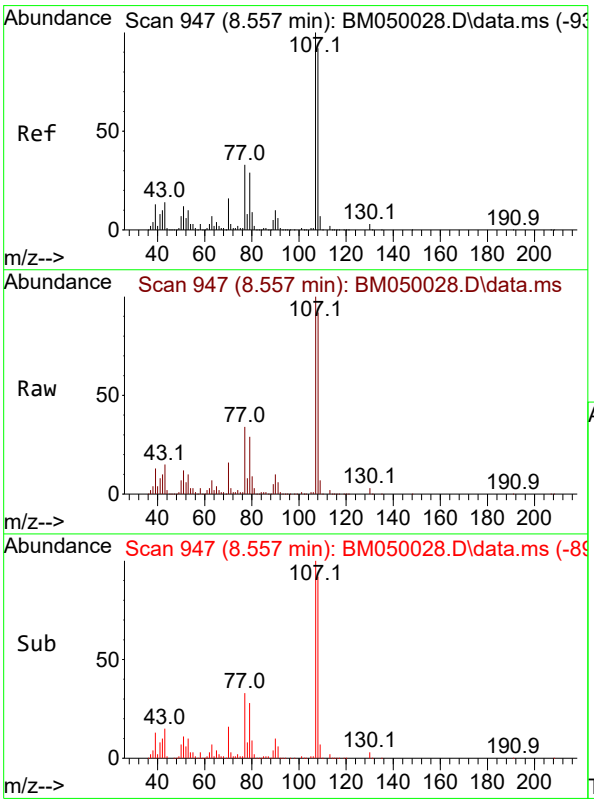
#19
n-Nitroso-di-n-propylamine
Concen: 43.579 ng
RT: 8.575 min Scan# 9
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 483699

Ion	Ratio	Lower	Upper
70	100		
42	50.6	40.5	60.7
101	9.7	7.8	11.6
130	21.8	17.4	26.2

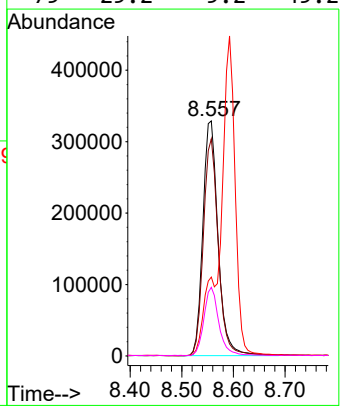


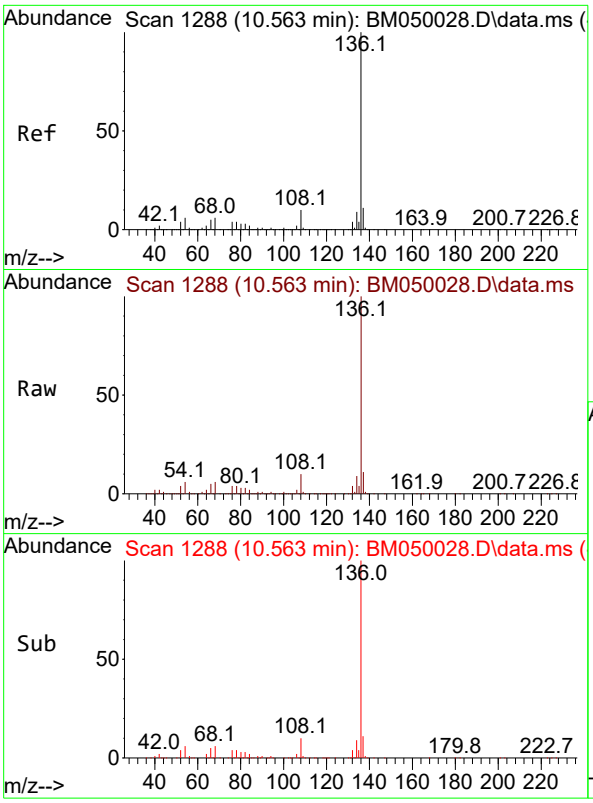


#20
3+4-Methylphenols
Concen: 43.111 ng
RT: 8.557 min Scan# 947
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:107 Resp: 671942

Ion	Ratio	Lower	Upper
107	100		
108	92.4	72.4	112.4
77	33.6	13.6	53.6
79	29.2	9.2	49.2



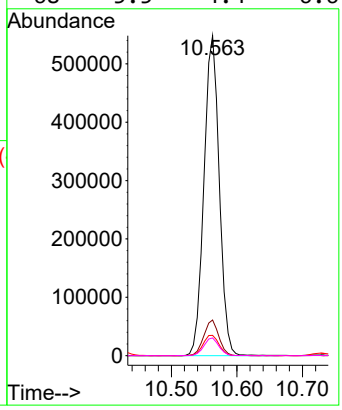


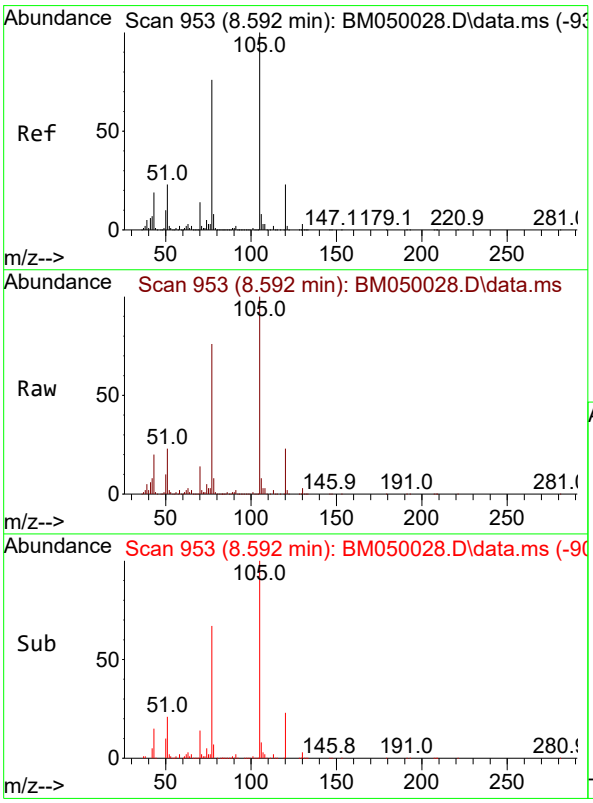
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 890488

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	6.4	5.1	7.7
68	5.5	4.4	6.6

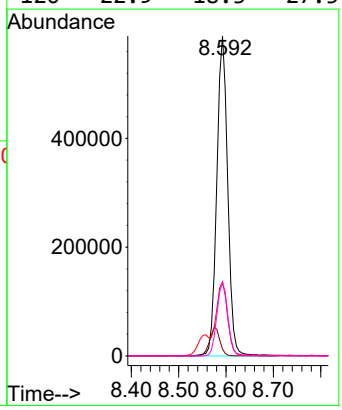


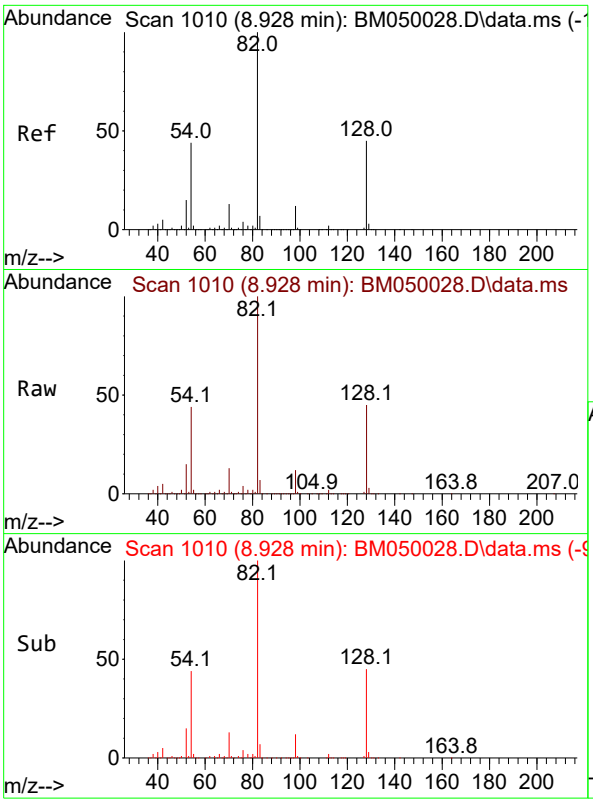


#22
Acetophenone
Concen: 42.735 ng
RT: 8.592 min Scan# 953
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:105 Resp: 946106

Ion	Ratio	Lower	Upper
105	100		
71	2.1	1.7	2.5
51	23.2	18.6	27.8
120	22.9	18.3	27.5



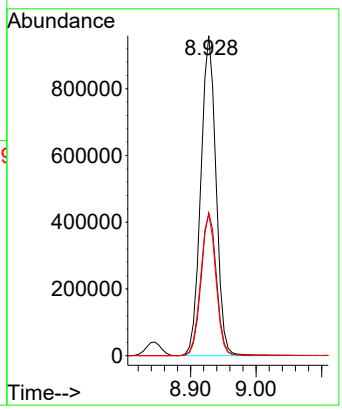


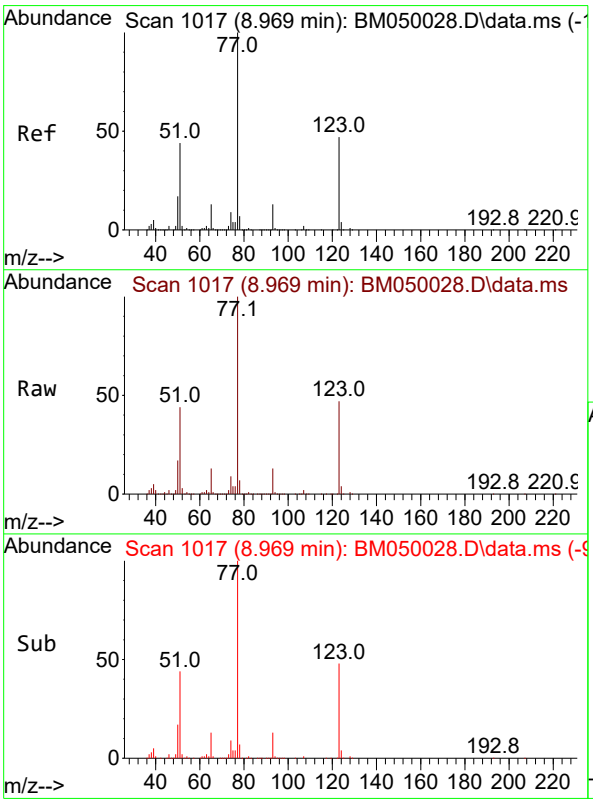
#23
Nitrobenzene-d5
Concen: 85.620 ng
RT: 8.928 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1547270

Ion	Ratio	Lower	Upper
82	100		
128	44.6	35.7	53.5
54	44.3	35.4	53.2

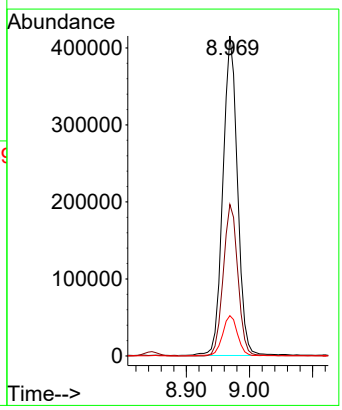


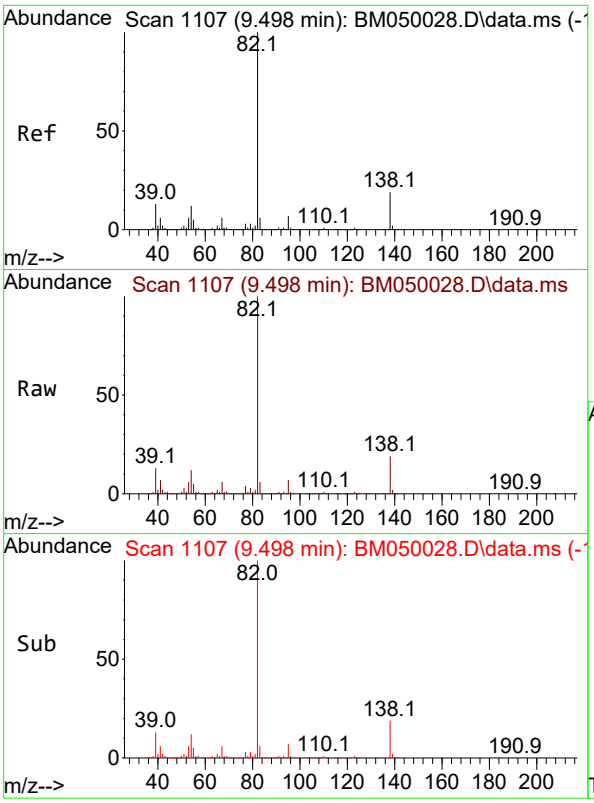


#24
Nitrobenzene
Concen: 42.625 ng
RT: 8.969 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion: 77 Resp: 666034

Ion	Ratio	Lower	Upper
77	100		
123	47.4	37.9	56.9
65	12.6	10.1	15.1



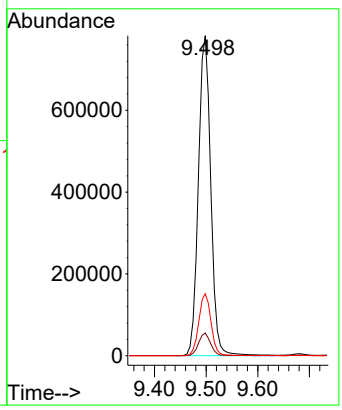


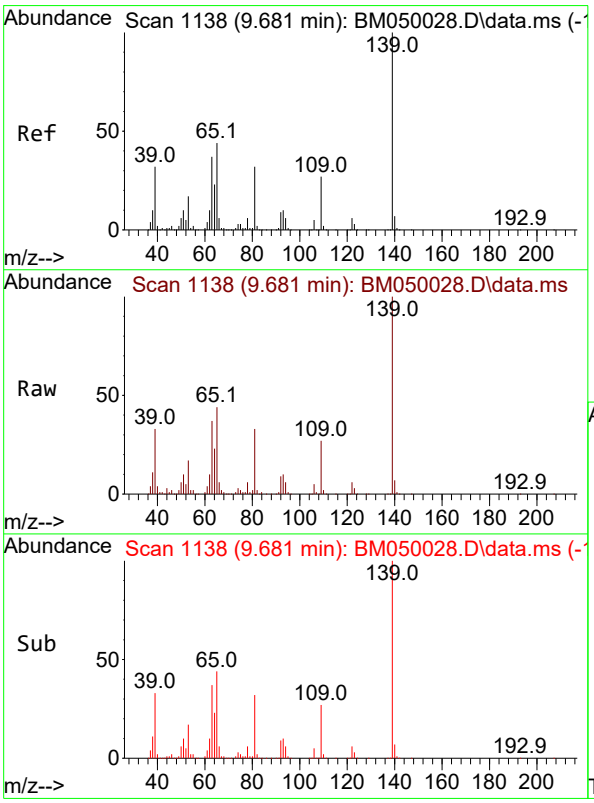
#25
Isophorone
Concen: 42.156 ng
RT: 9.498 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1298577

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.7	8.5
138	19.4	15.5	23.3

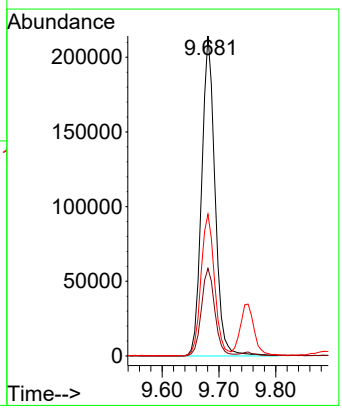


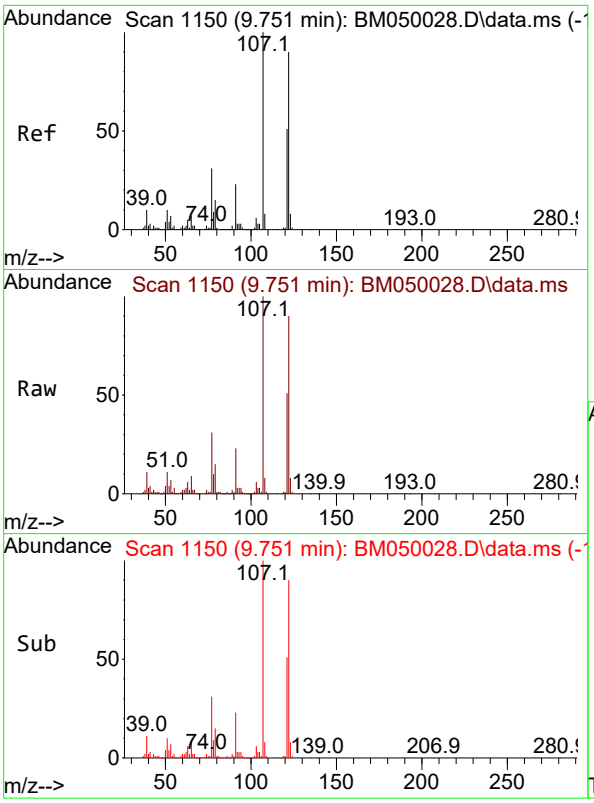


#26
2-Nitrophenol
Concen: 43.827 ng
RT: 9.681 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:139 Resp: 349855

Ion	Ratio	Lower	Upper
139	100		
109	27.4	21.9	32.9
65	44.3	35.4	53.2



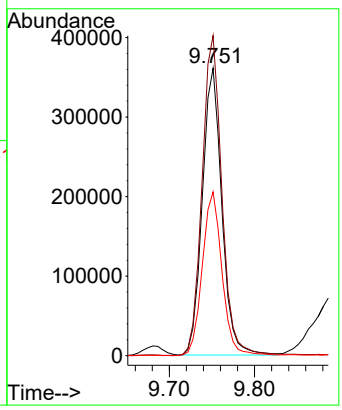


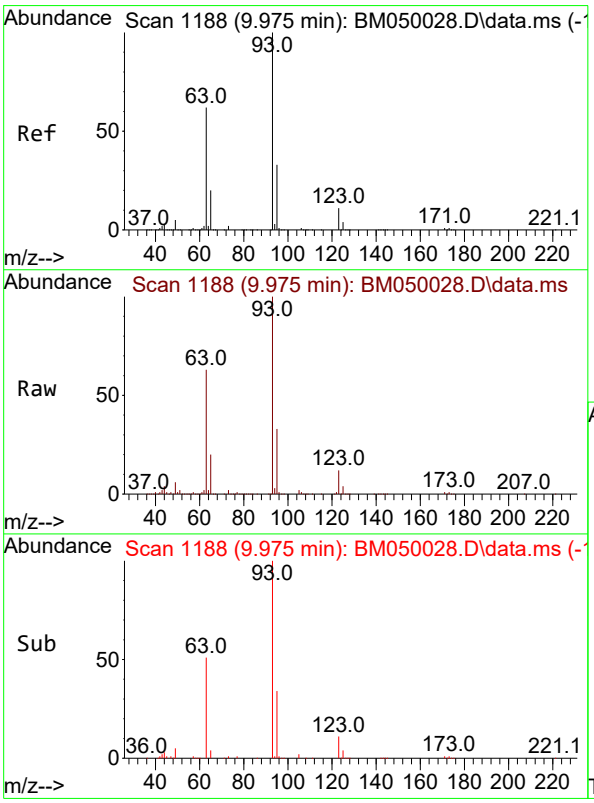
#27
2,4-Dimethylphenol
Concen: 43.552 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 576549

Ion	Ratio	Lower	Upper
122	100		
107	111.3	89.0	133.6
121	57.0	45.6	68.4

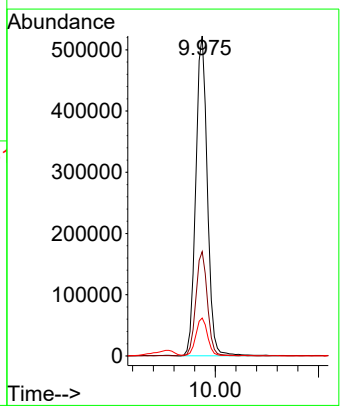


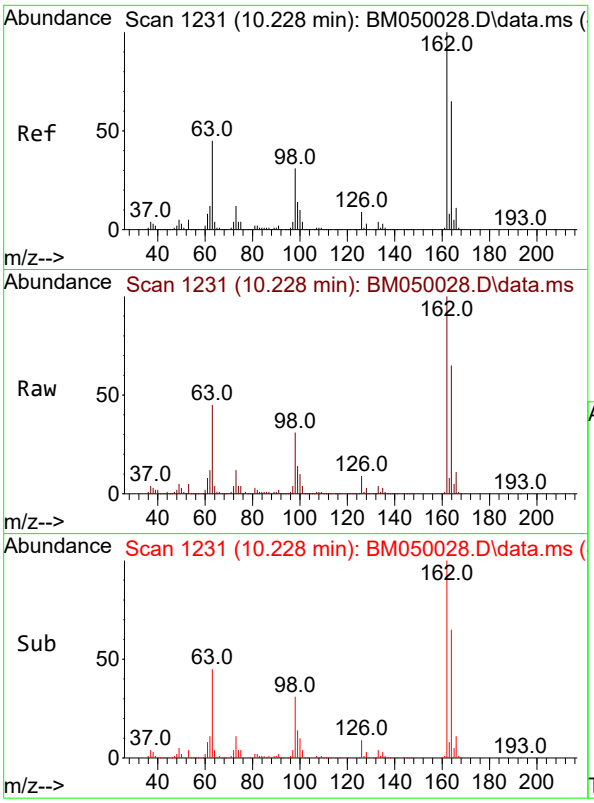


#28
bis(2-Chloroethoxy)methane
Concen: 42.518 ng
RT: 9.975 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion: 93 Resp: 809528

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.1	39.1
123	11.9	9.5	14.3



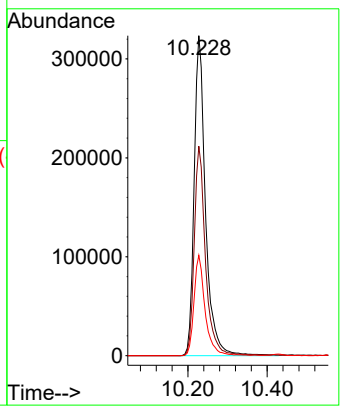


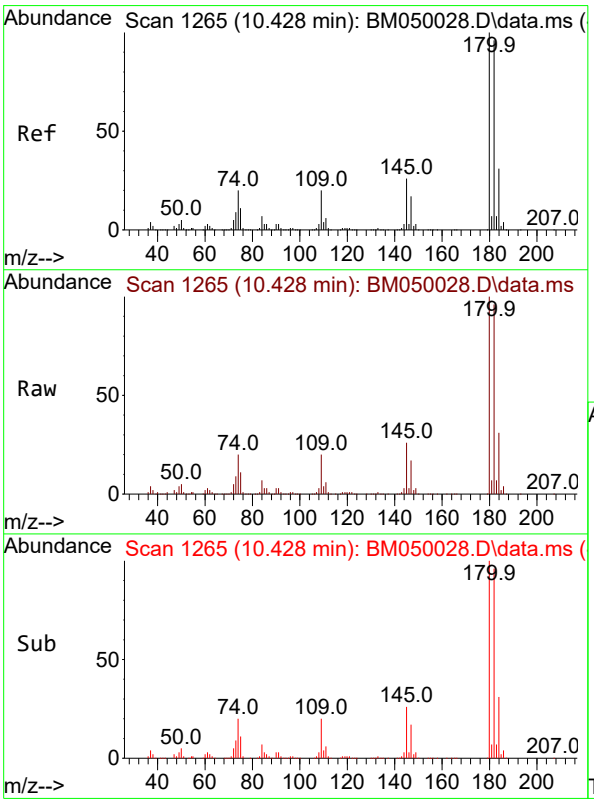
#29
2,4-Dichlorophenol
Concen: 43.461 ng
RT: 10.228 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 644546

Ion	Ratio	Lower	Upper
162	100		
164	65.4	45.4	85.4
98	31.3	11.3	51.3

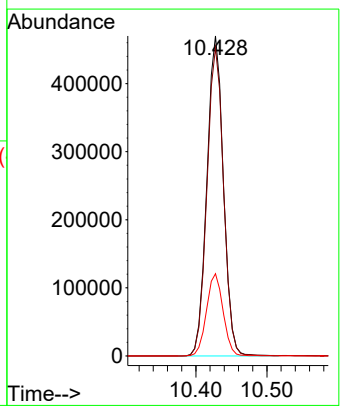


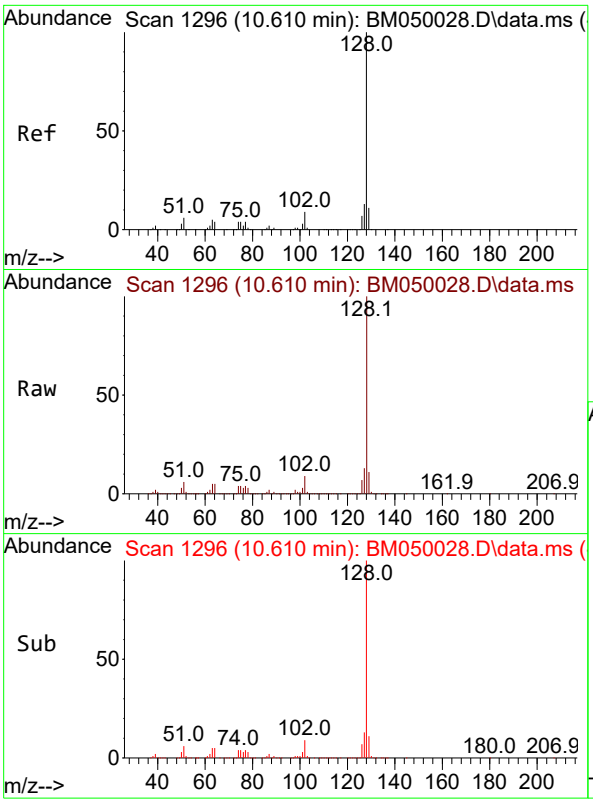


#30
1,2,4-Trichlorobenzene
Concen: 42.060 ng
RT: 10.428 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:180 Resp: 759987

Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.0	115.4
145	25.7	20.6	30.8



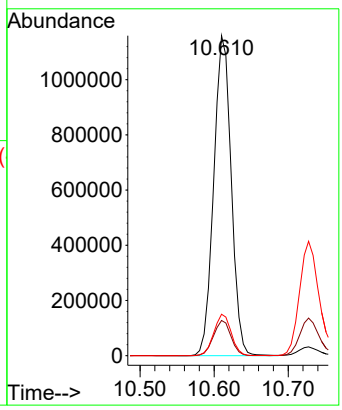


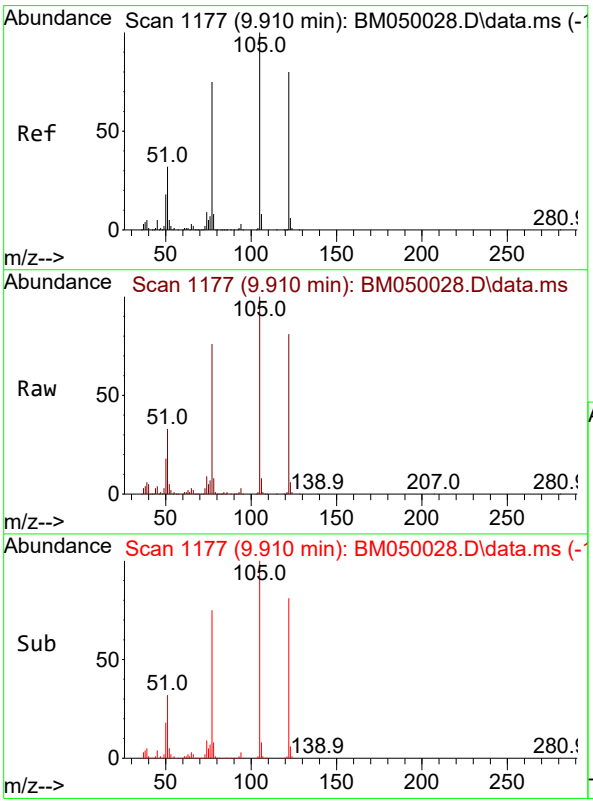
#31
Naphthalene
Concen: 42.100 ng
RT: 10.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 1898588

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.0	10.4	15.6

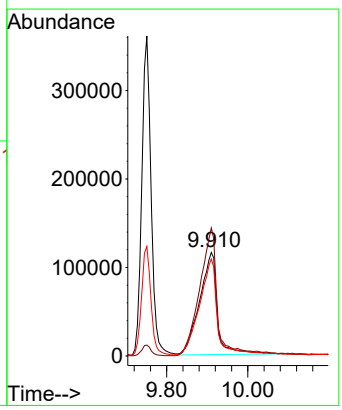


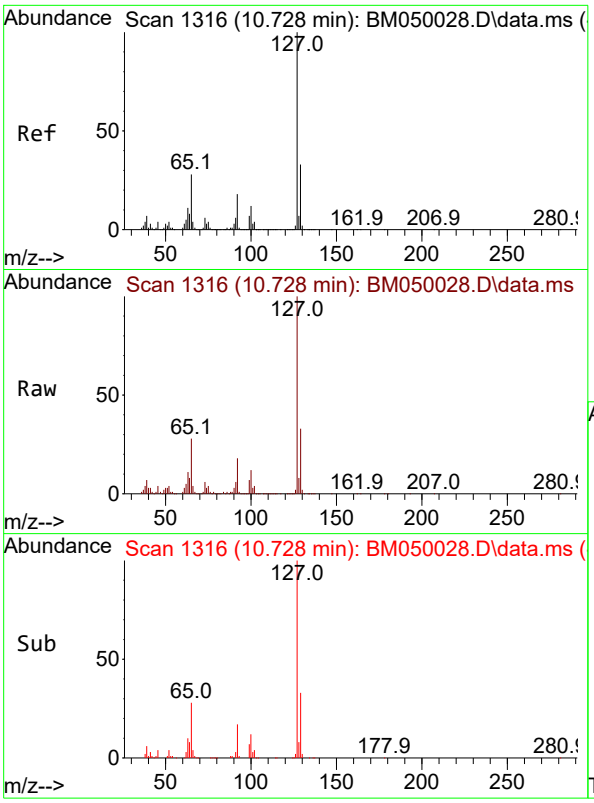


#32
Benzoic acid
Concen: 41.613 ng
RT: 9.910 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:122 Resp: 351345

Ion	Ratio	Lower	Upper
122	100		
105	123.6	103.6	143.6
77	93.7	73.7	113.7



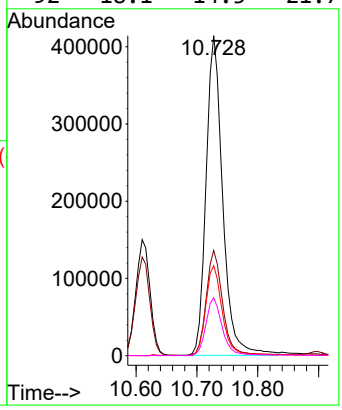


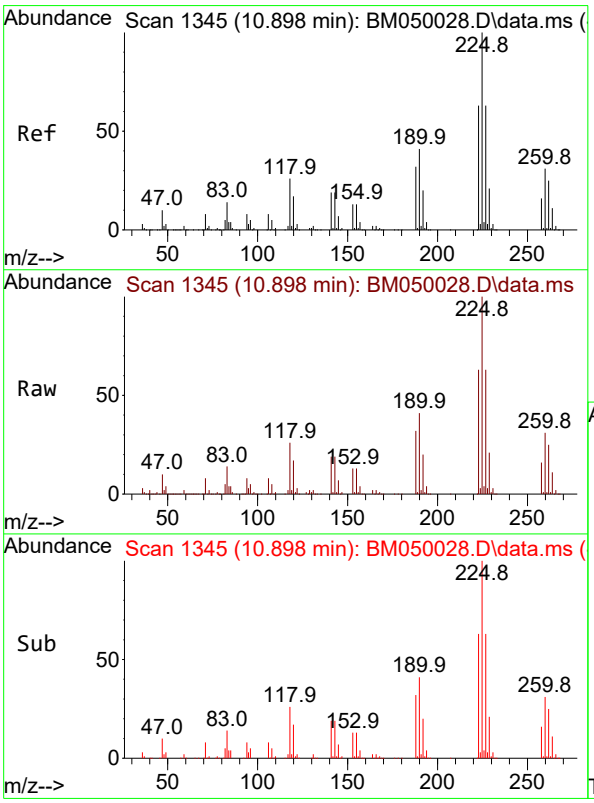
#33
4-Chloroaniline
Concen: 42.448 ng
RT: 10.728 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 784625

Ion	Ratio	Lower	Upper
127	100		
129	32.9	26.3	39.5
65	28.1	22.5	33.7
92	18.1	14.5	21.7

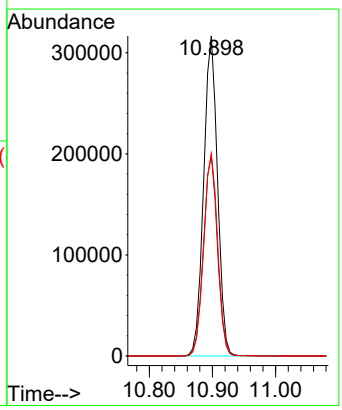


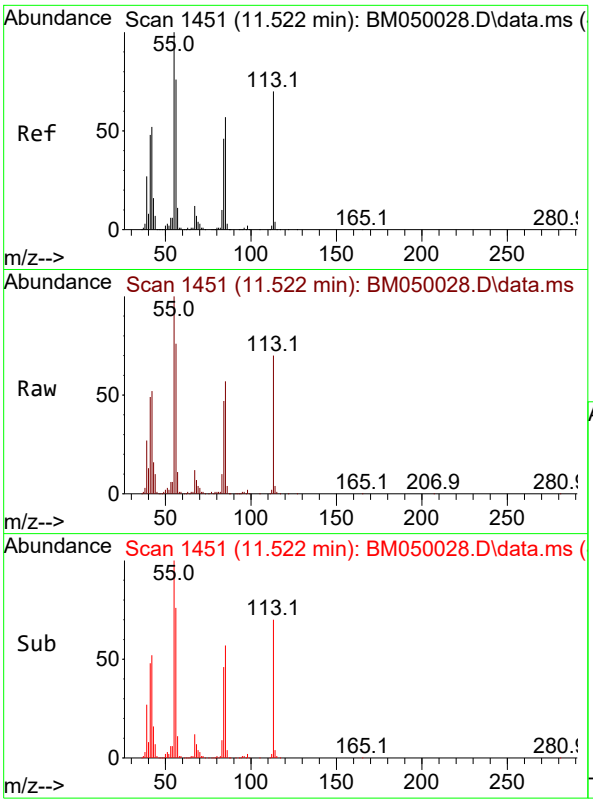


#34
Hexachlorobutadiene
Concen: 41.981 ng
RT: 10.898 min Scan# 1345
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:225 Resp: 481510

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.2	75.2
227	63.3	50.6	76.0



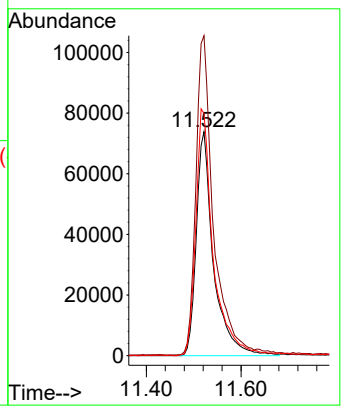


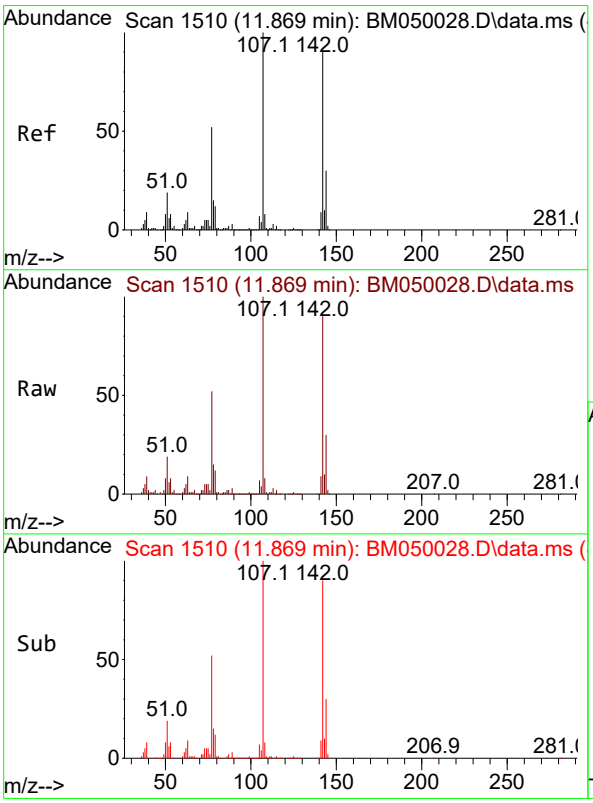
#35
Caprolactam
Concen: 43.010 ng
RT: 11.522 min Scan# 14
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 185984

Ion	Ratio	Lower	Upper
113	100		
55	142.9	122.9	162.9
56	108.1	88.1	128.1

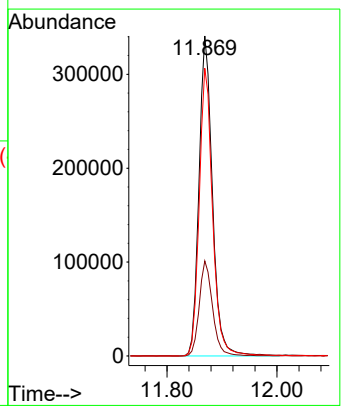


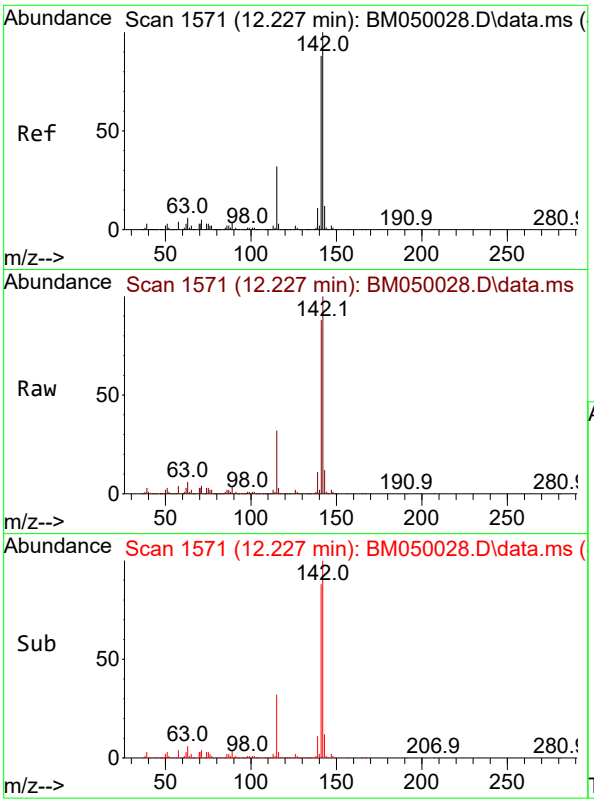


#36
4-Chloro-3-methylphenol
Concen: 42.293 ng
RT: 11.869 min Scan# 1510
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:107 Resp: 579492

Ion	Ratio	Lower	Upper
107	100		
144	29.7	23.8	35.6
142	89.9	71.9	107.9



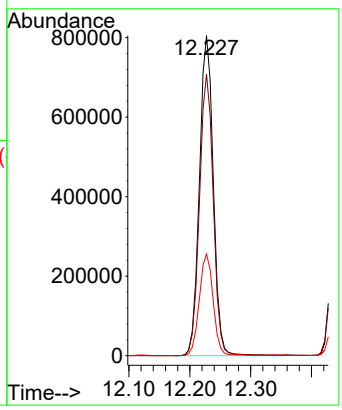


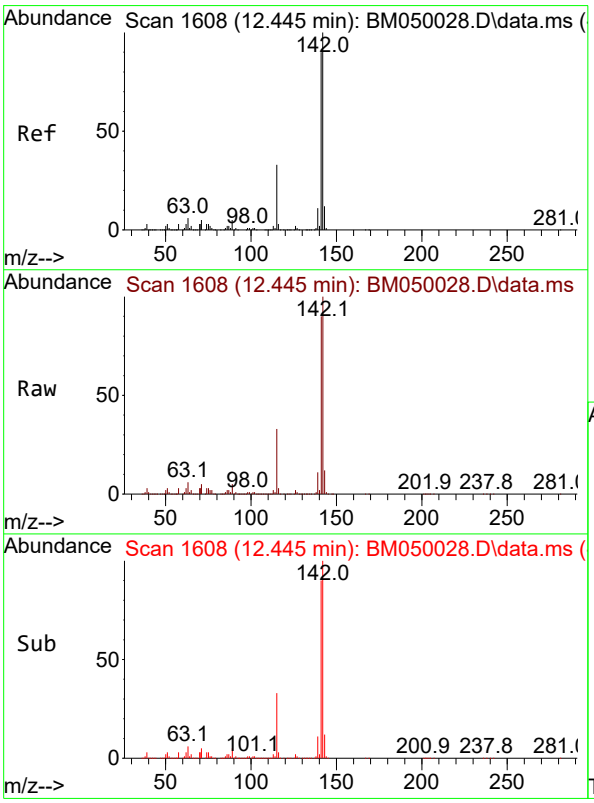
#37
2-Methylnaphthalene
Concen: 41.973 ng
RT: 12.227 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 1269061

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.4	105.6
115	31.8	25.4	38.2

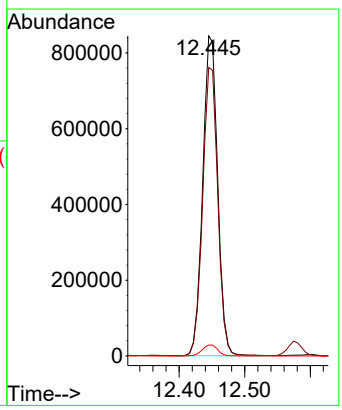


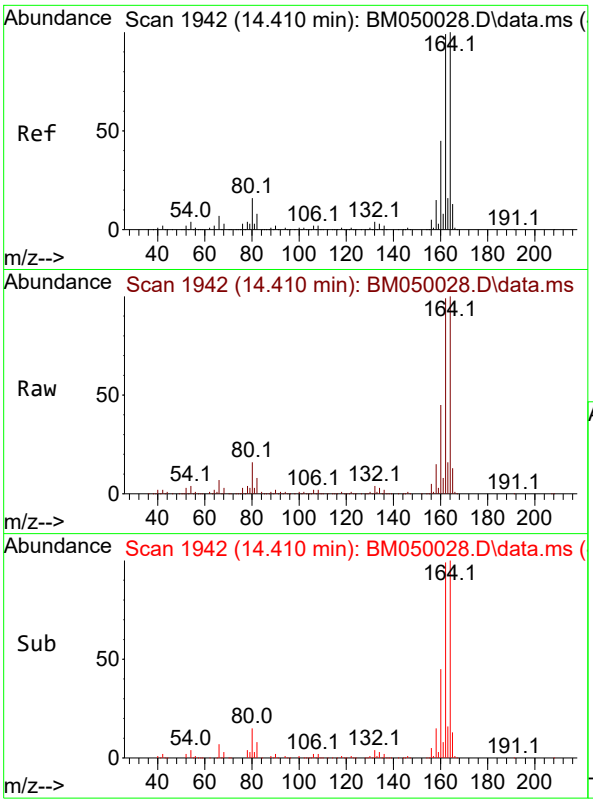


#38
1-Methylnaphthalene
Concen: 41.928 ng
RT: 12.445 min Scan# 1608
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:142 Resp: 1341577

Ion	Ratio	Lower	Upper
142	100		
141	90.1	72.1	108.1
116	3.4	2.7	4.1



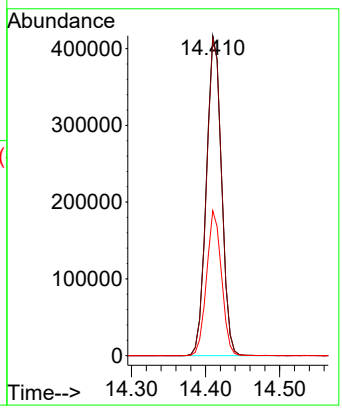


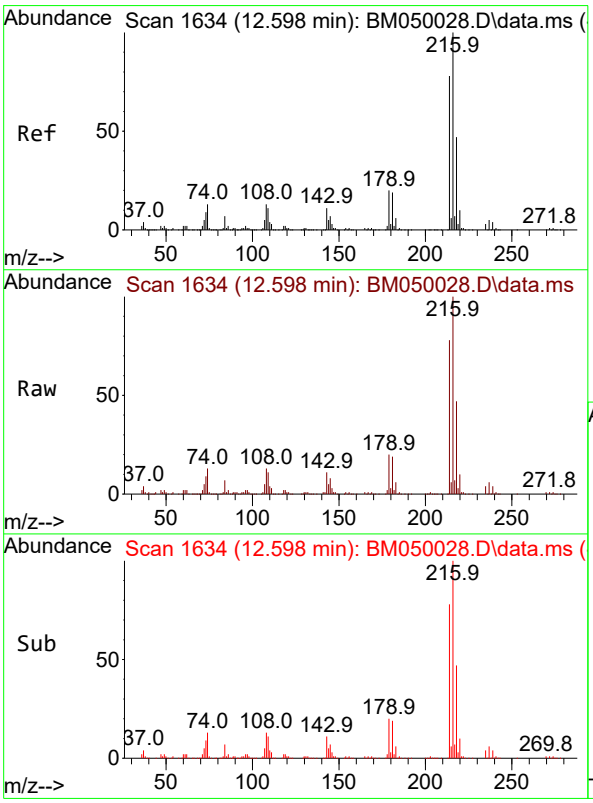
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 591599

Ion	Ratio	Lower	Upper
164	100		
162	99.2	79.4	119.0
160	45.3	36.2	54.4

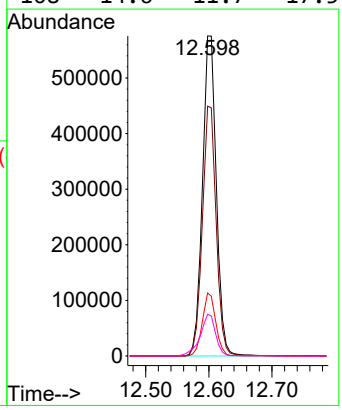


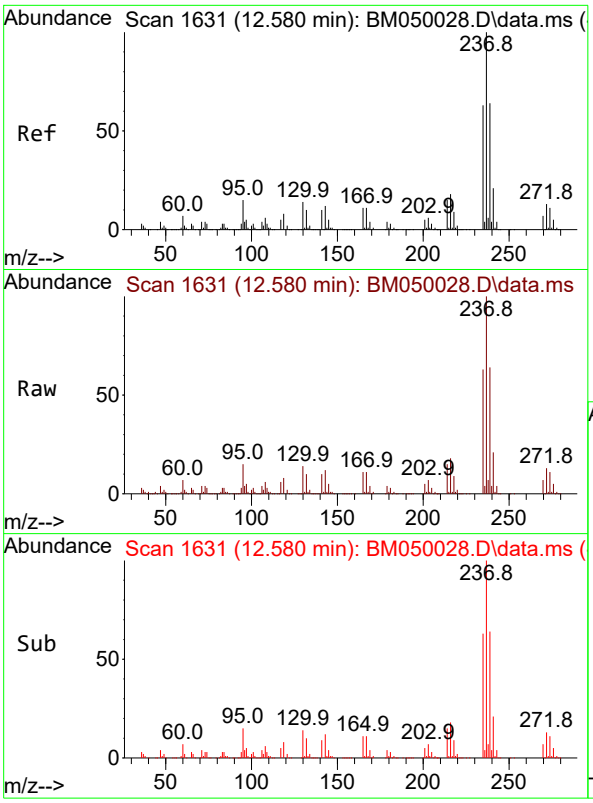


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.894 ng
RT: 12.598 min Scan# 1634
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:216 Resp: 878448

Ion	Ratio	Lower	Upper
216	100		
214	77.9	62.3	93.5
179	19.2	15.4	23.0
108	14.6	11.7	17.5



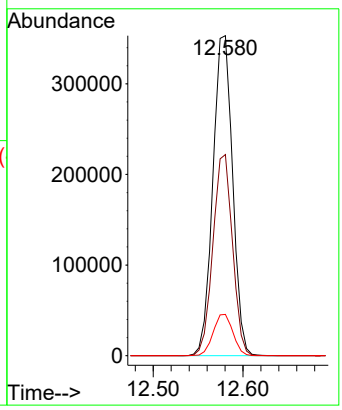


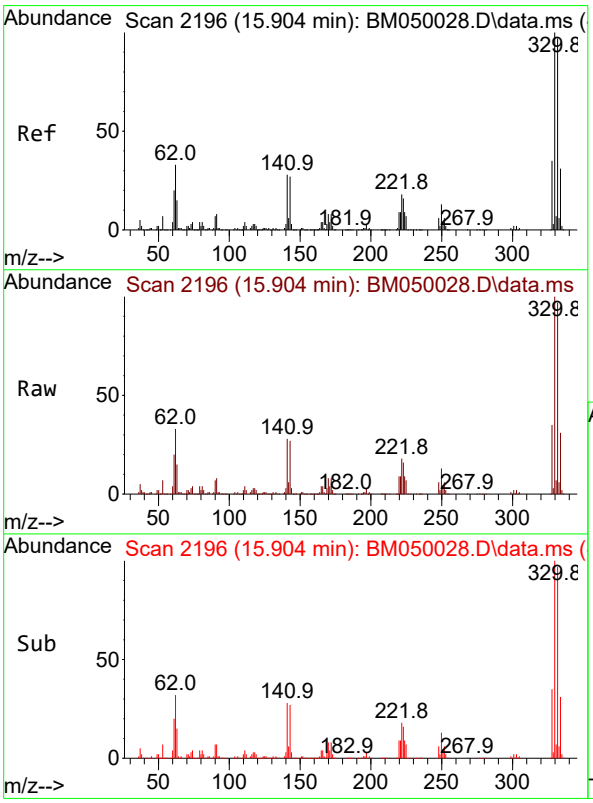
#41
Hexachlorocyclopentadiene
Concen: 43.050 ng
RT: 12.580 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 538788

Ion	Ratio	Lower	Upper
237	100		
235	62.9	42.9	82.9
272	12.9	0.0	32.9

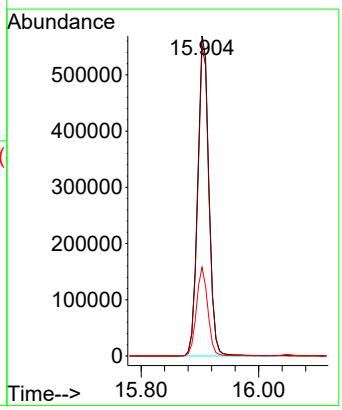


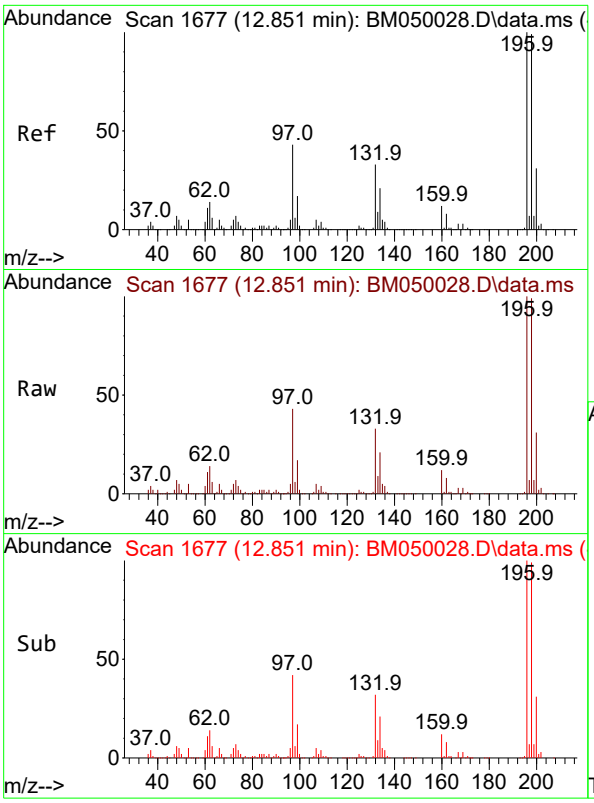


#42
2,4,6-Tribromophenol
Concen: 85.958 ng
RT: 15.904 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:330 Resp: 751927

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.3	115.9
141	28.1	22.5	33.7



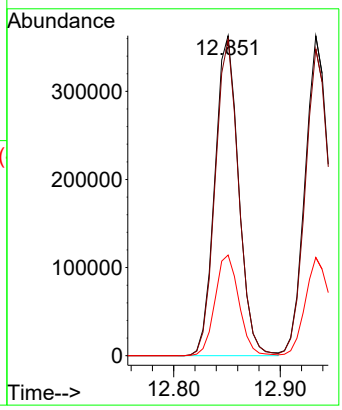


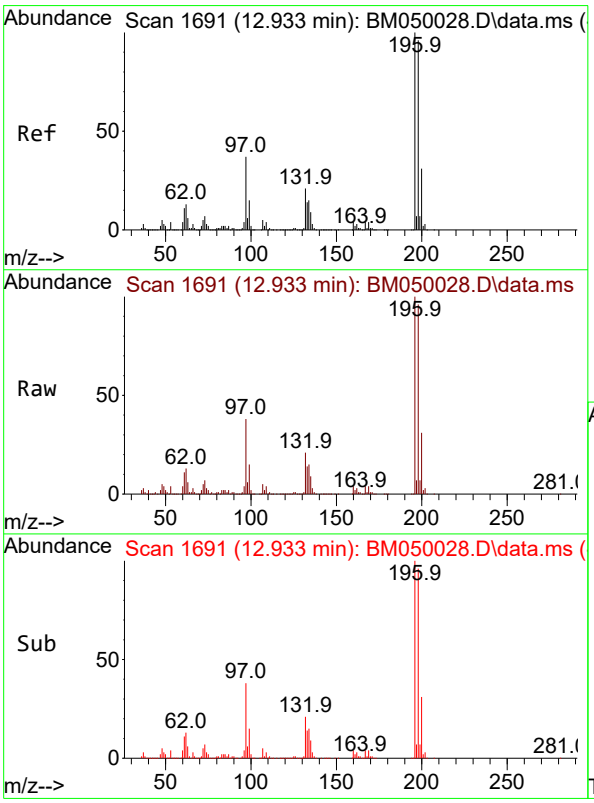
#43
2,4,6-Trichlorophenol
Concen: 43.368 ng
RT: 12.851 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 563324

Ion	Ratio	Lower	Upper
196	100		
198	98.8	79.0	118.6
200	31.4	25.1	37.7

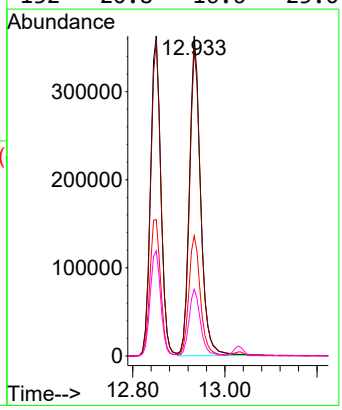


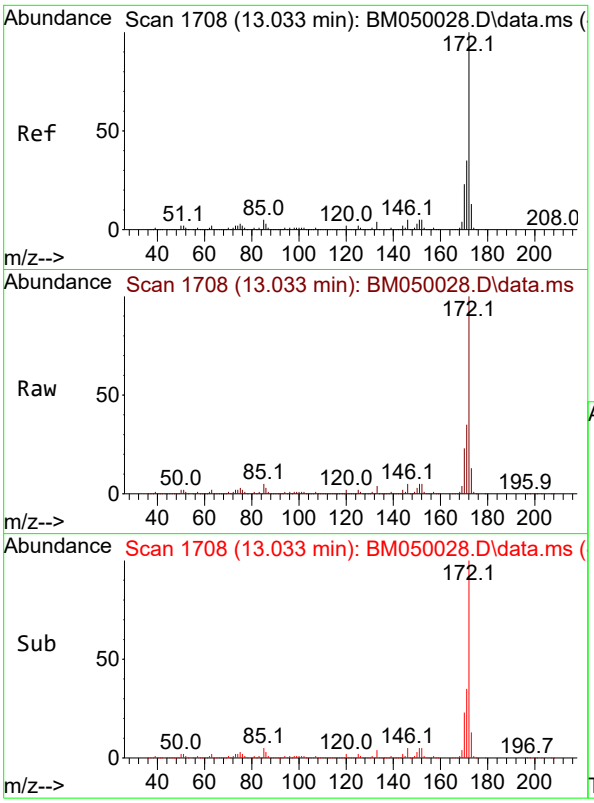


#44
2,4,5-Trichlorophenol
Concen: 43.706 ng
RT: 12.933 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:196 Resp: 612194

Ion	Ratio	Lower	Upper
196	100		
198	95.9	76.7	115.1
97	37.6	30.1	45.1
132	20.8	16.6	25.0



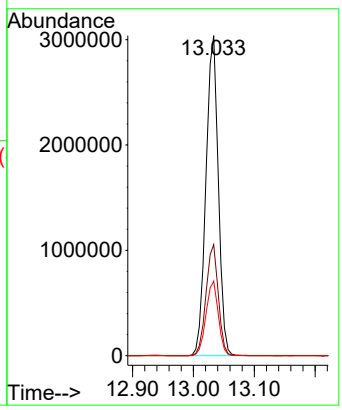


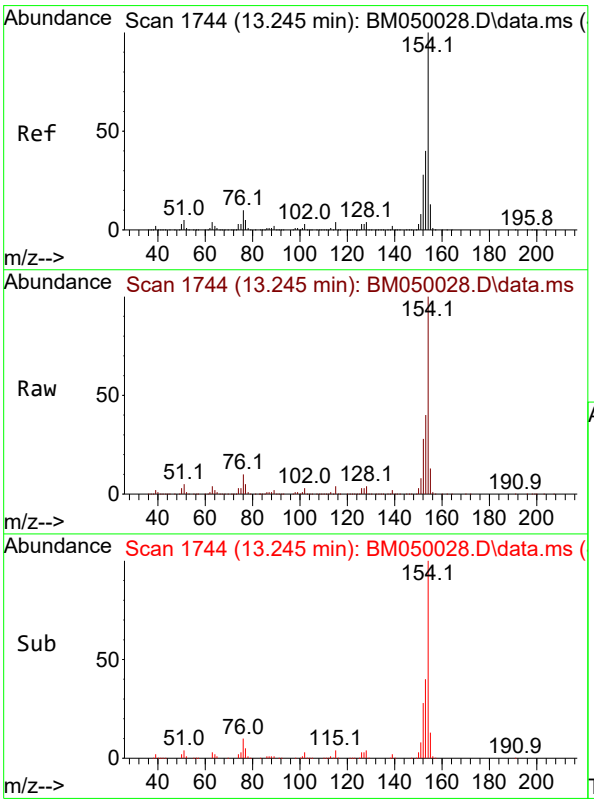
#45
2-Fluorobiphenyl
Concen: 85.489 ng
RT: 13.033 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 4275240

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.8	41.6
170	23.3	18.6	28.0

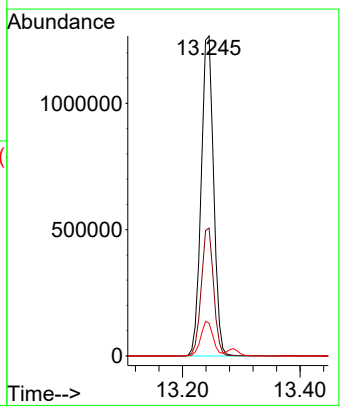


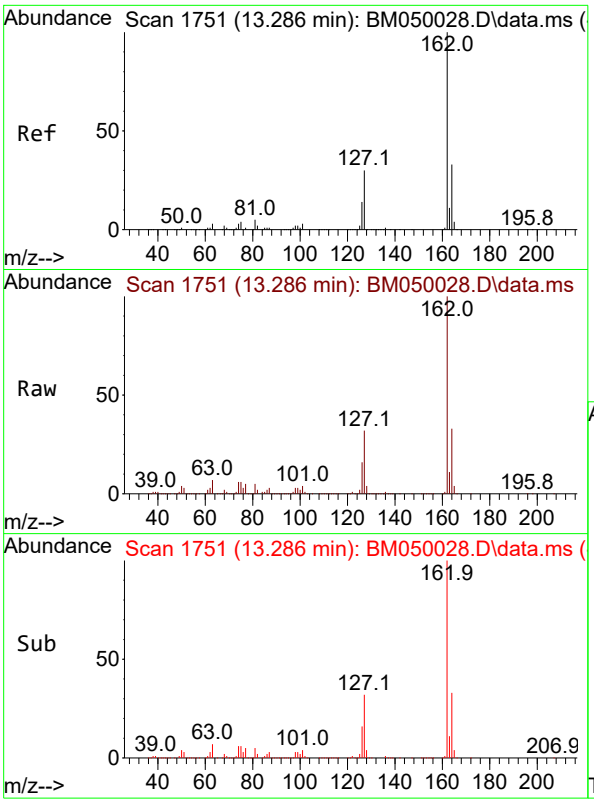


#46
1,1'-Biphenyl
Concen: 42.309 ng
RT: 13.245 min Scan# 1744
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:154 Resp: 1860581

Ion	Ratio	Lower	Upper
154	100		
153	40.0	20.0	60.0
76	10.3	0.0	30.3



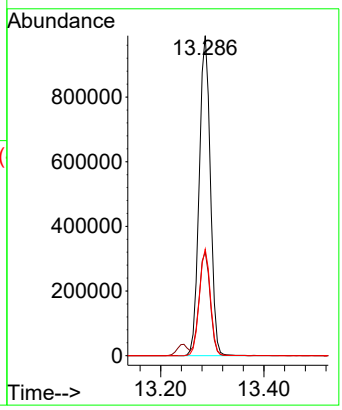


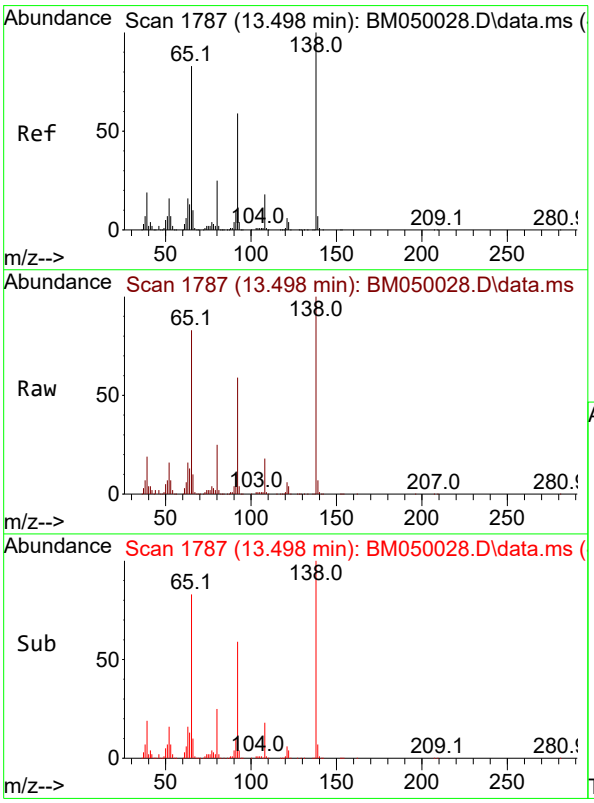
#47
2-Chloronaphthalene
Concen: 42.480 ng
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 1479560

Ion	Ratio	Lower	Upper
162	100		
127	32.4	25.9	38.9
164	33.3	26.6	40.0

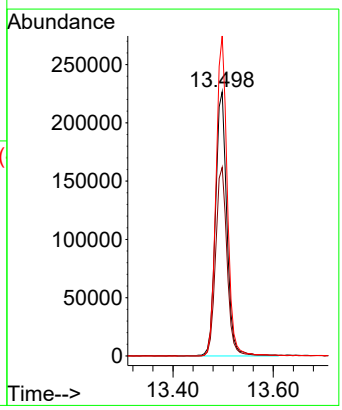


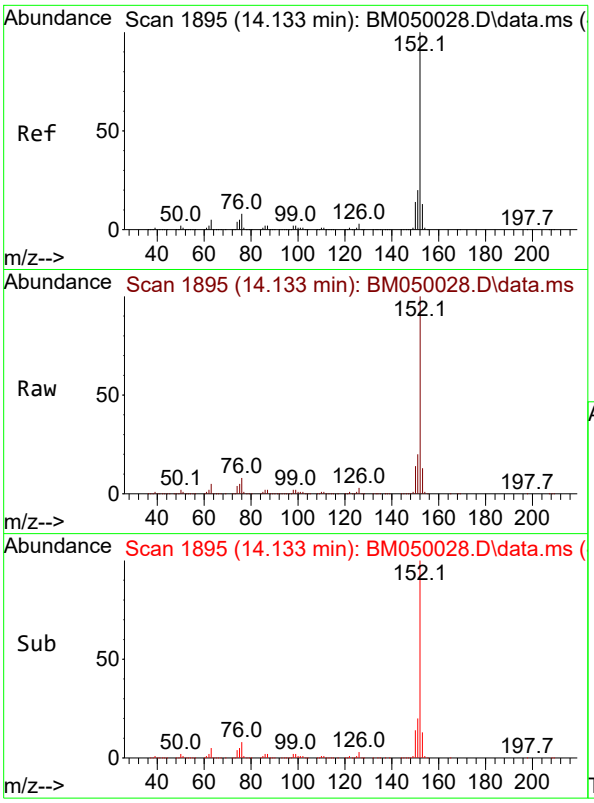


#48
2-Nitroaniline
Concen: 43.684 ng
RT: 13.498 min Scan# 1787
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion: 65 Resp: 357098

Ion	Ratio	Lower	Upper
65	100		
92	71.4	57.1	85.7
138	121.2	97.0	145.4



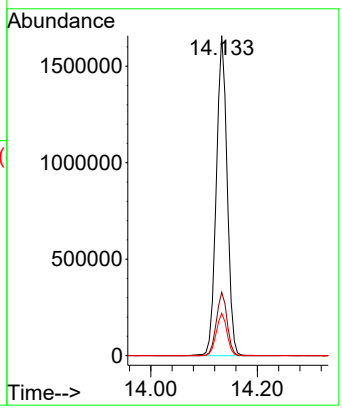


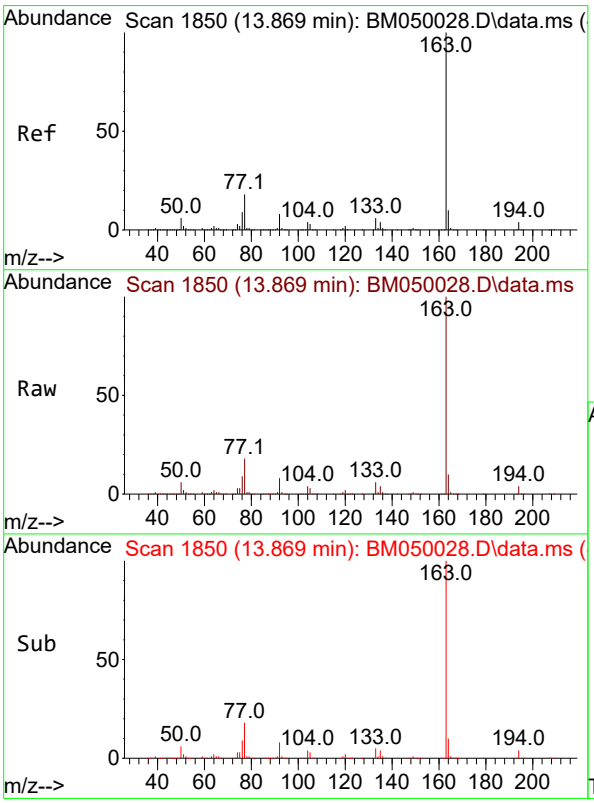
#49
Acenaphthylene
Concen: 42.478 ng
RT: 14.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 2332675

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.8
153	13.2	10.6	15.8

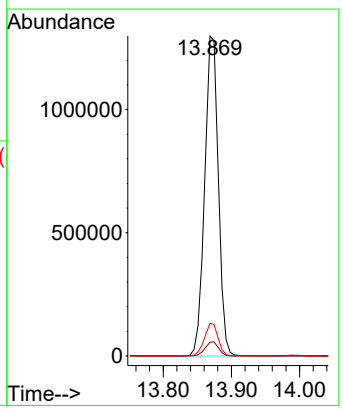


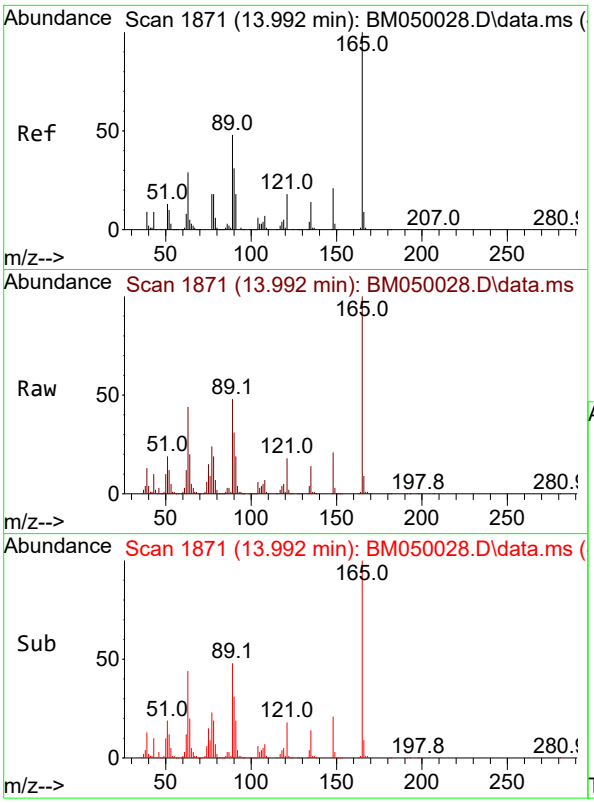


#50
Dimethylphthalate
Concen: 41.918 ng
RT: 13.869 min Scan# 1850
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:163 Resp: 1812335

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.2	8.2	12.2



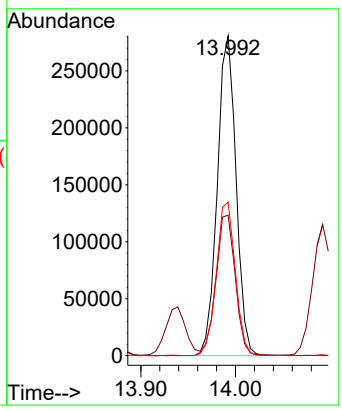


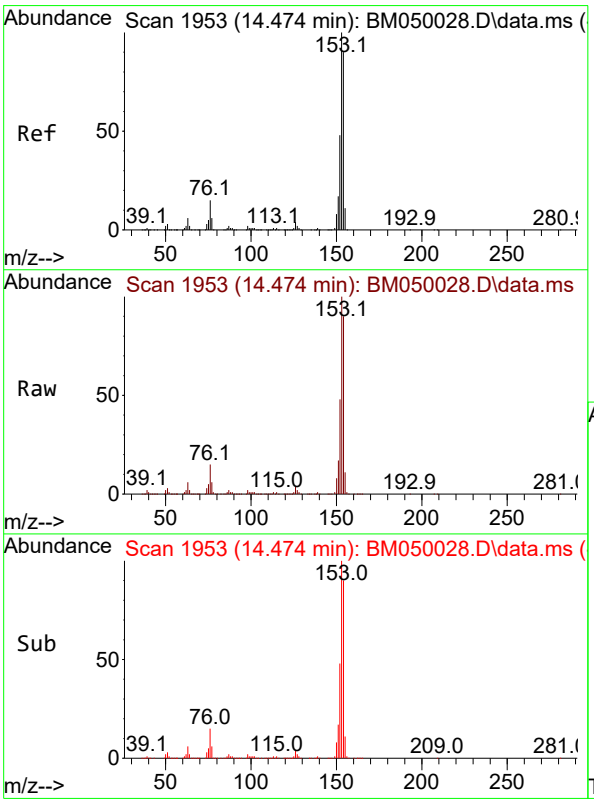
#51
2,6-Dinitrotoluene
Concen: 43.191 ng
RT: 13.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 386623

Ion	Ratio	Lower	Upper
165	100		
63	43.9	35.1	52.7
89	48.0	38.4	57.6

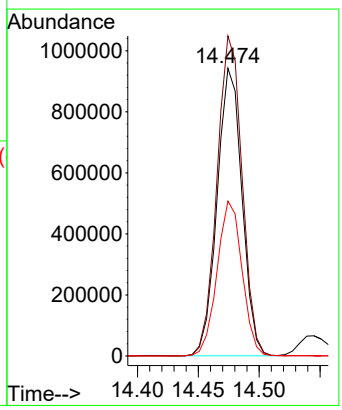


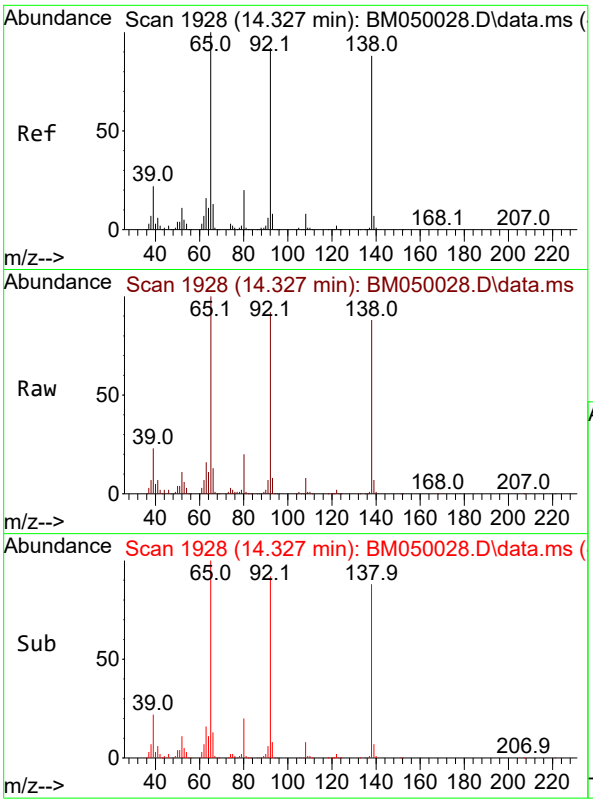


#52
Acenaphthene
Concen: 42.186 ng
RT: 14.474 min Scan# 1953
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:154 Resp: 1340946

Ion	Ratio	Lower	Upper
154	100		
153	111.2	89.0	133.4
152	53.8	43.0	64.6



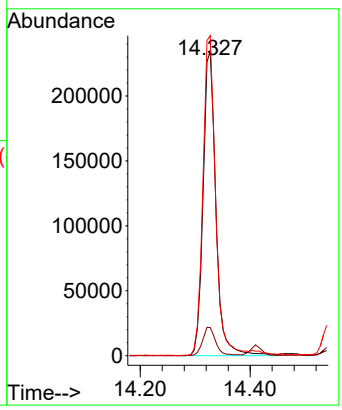


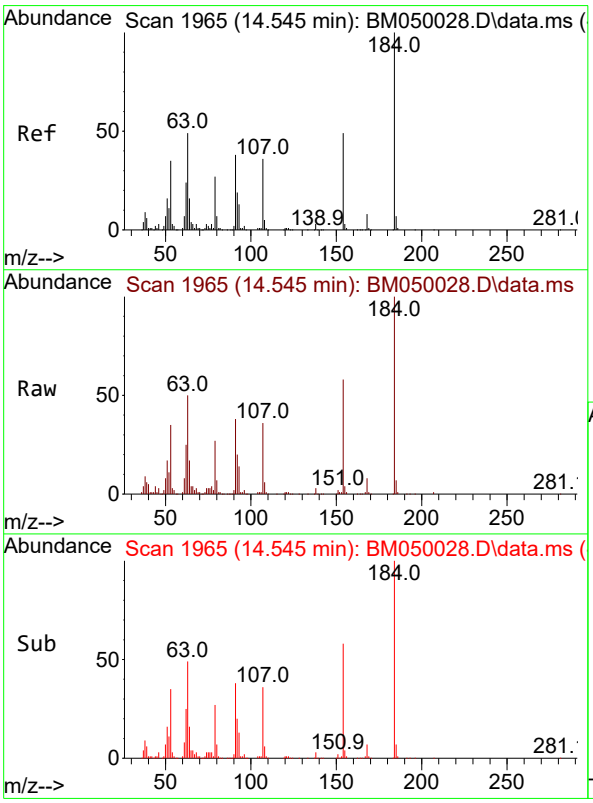
#53
3-Nitroaniline
Concen: 44.389 ng
RT: 14.327 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 379359

Ion	Ratio	Lower	Upper
138	100		
108	9.3	7.4	11.2
92	105.0	84.0	126.0

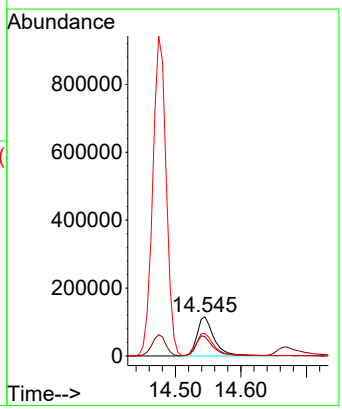


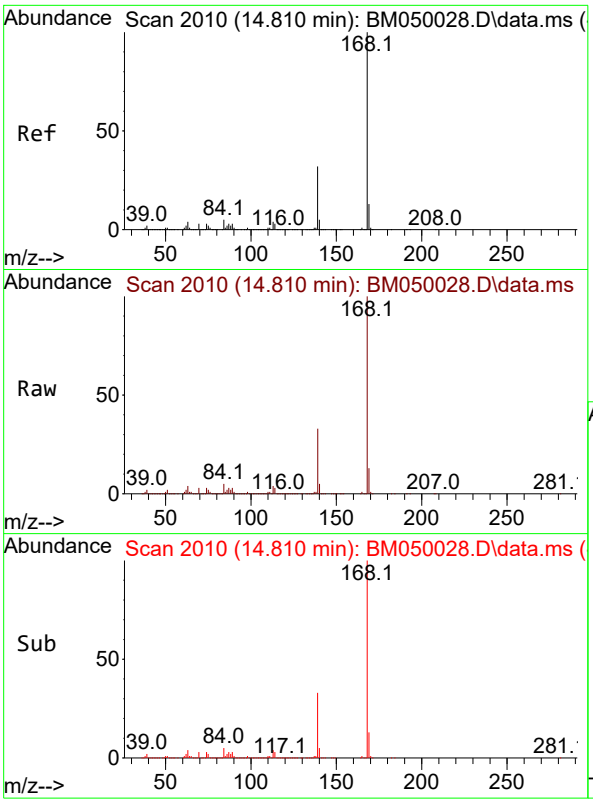


#54
2,4-Dinitrophenol
Concen: 39.788 ng
RT: 14.545 min Scan# 1965
Delta R.T. -0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:184 Resp: 210115

Ion	Ratio	Lower	Upper
184	100		
63	49.7	39.8	59.6
154	57.6	46.1	69.1



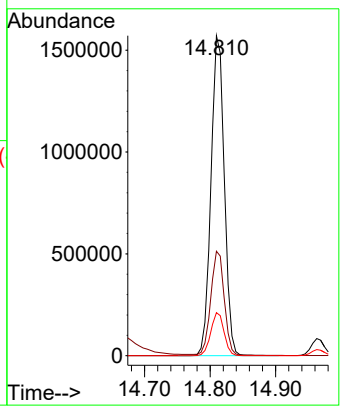


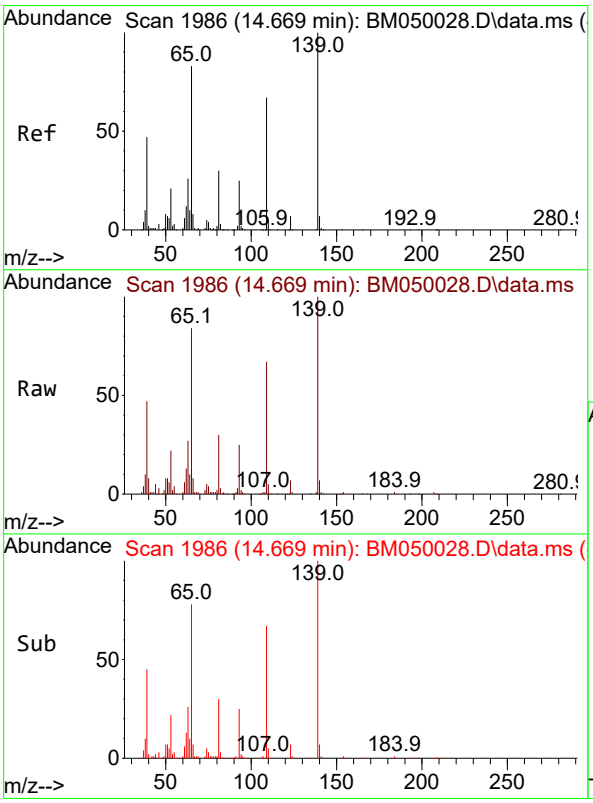
#55
Dibenzofuran
Concen: 41.961 ng
RT: 14.810 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 2219206

Ion	Ratio	Lower	Upper
168	100		
139	32.6	26.1	39.1
169	13.5	10.8	16.2

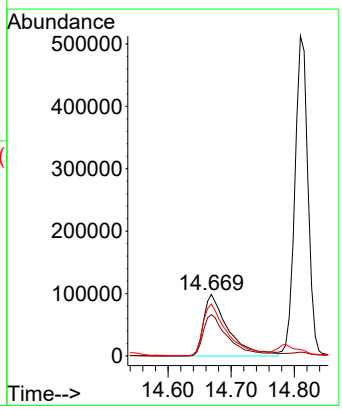


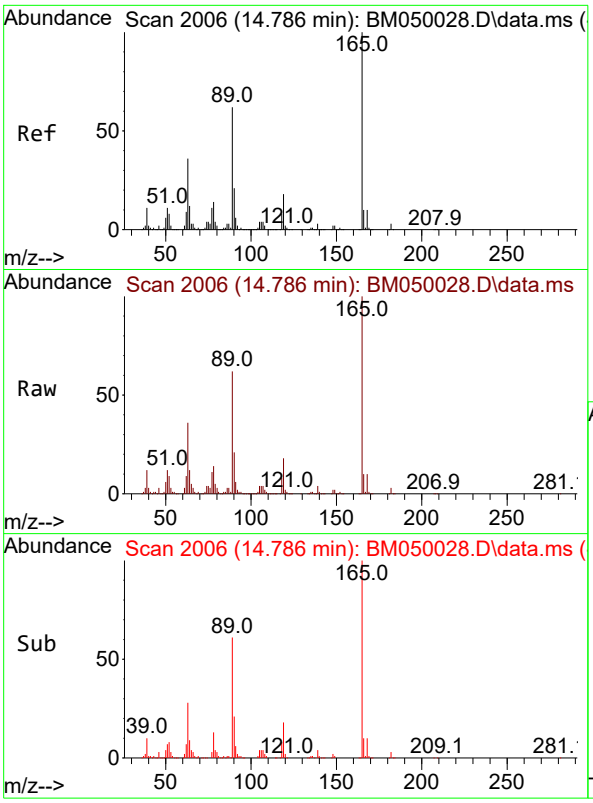


#56
4-Nitrophenol
Concen: 40.483 ng
RT: 14.669 min Scan# 1986
Delta R.T. -0.001 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:139 Resp: 264964

Ion	Ratio	Lower	Upper
139	100		
109	67.0	47.0	87.0
65	84.3	64.3	104.3



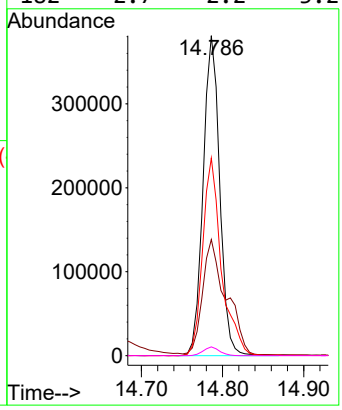


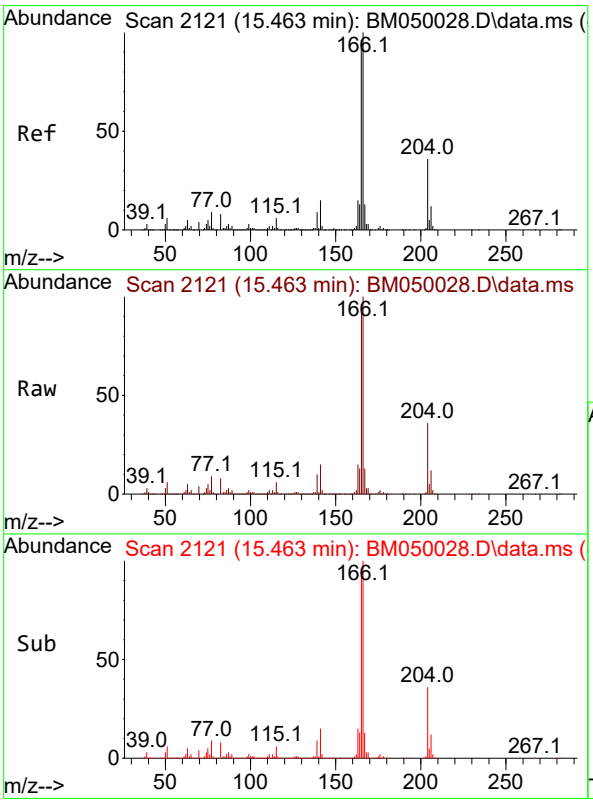
#57
2,4-Dinitrotoluene
Concen: 43.646 ng
RT: 14.786 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 539867

Ion	Ratio	Lower	Upper
165	100		
63	36.3	29.0	43.6
89	61.8	49.4	74.2
182	2.7	2.2	3.2

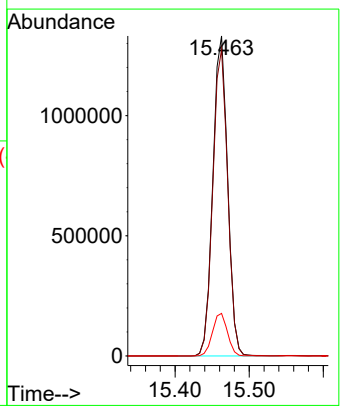


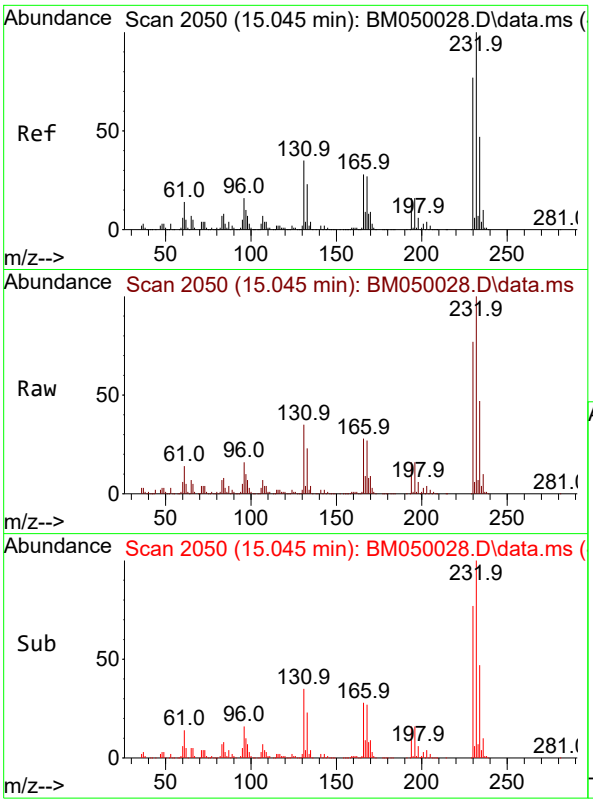


#58
Fluorene
Concen: 42.580 ng
RT: 15.463 min Scan# 2121
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:166 Resp: 1843261

Ion	Ratio	Lower	Upper
166	100		
165	95.8	76.6	115.0
167	13.3	10.6	16.0



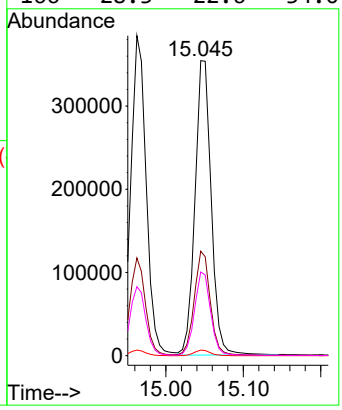


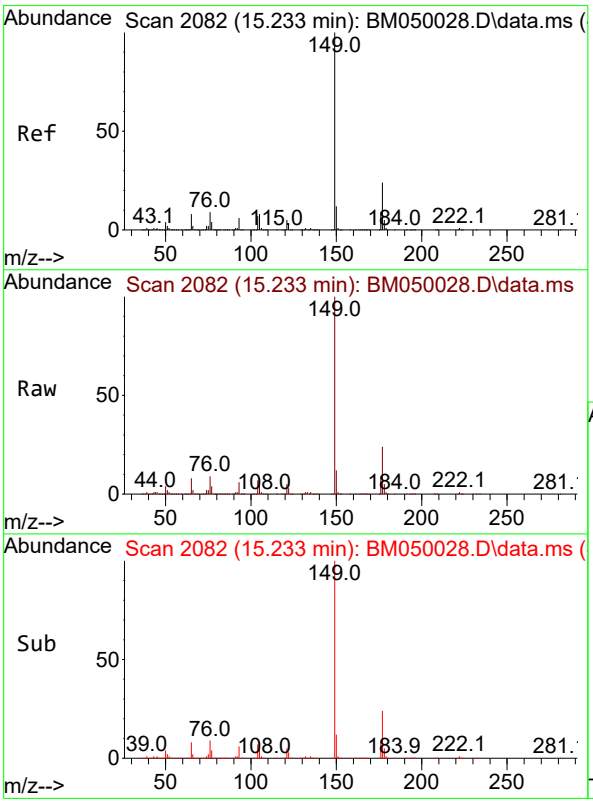
#59
2,3,4,6-Tetrachlorophenol
Concen: 42.446 ng
RT: 15.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 514644

Ion	Ratio	Lower	Upper
232	100		
131	35.3	28.2	42.4
130	1.9	1.5	2.3
166	28.3	22.6	34.0

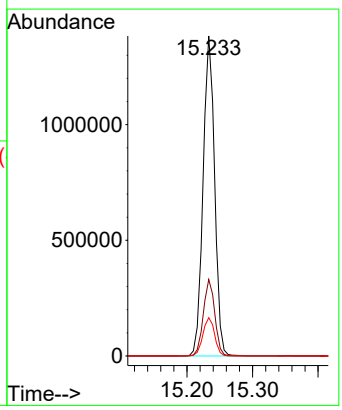


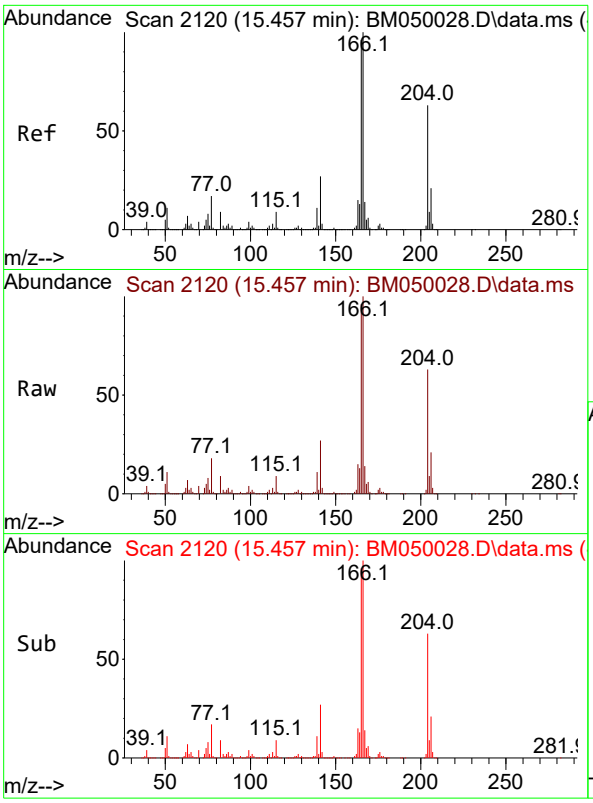


#60
Diethylphthalate
Concen: 41.631 ng
RT: 15.233 min Scan# 2082
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:149 Resp: 1696013

Ion	Ratio	Lower	Upper
149	100		
177	23.9	19.1	28.7
150	12.0	9.6	14.4



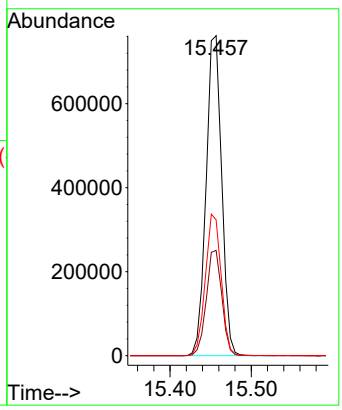


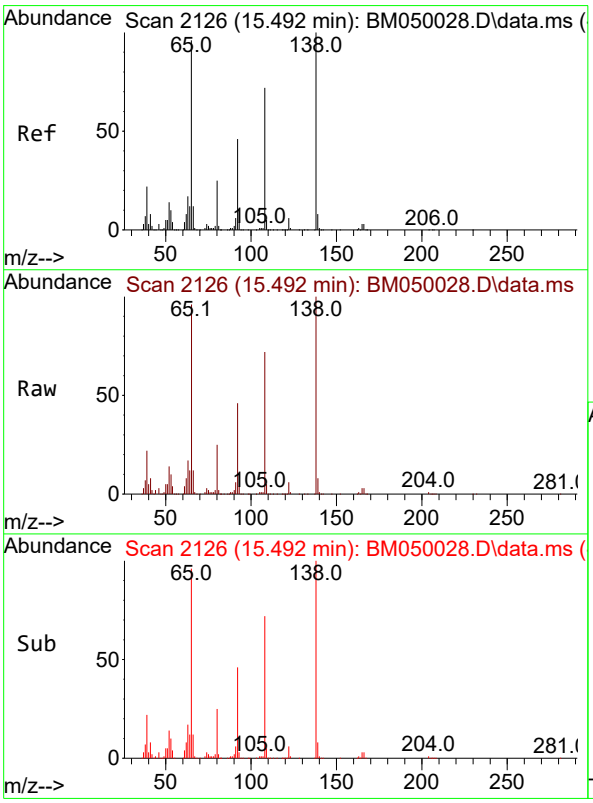
#61
4-Chlorophenyl-phenylether
Concen: 42.652 ng
RT: 15.457 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 1014134

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.3	39.5
141	42.5	34.0	51.0

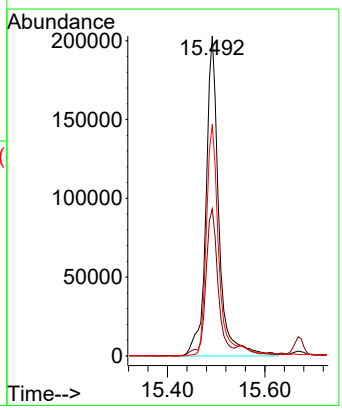


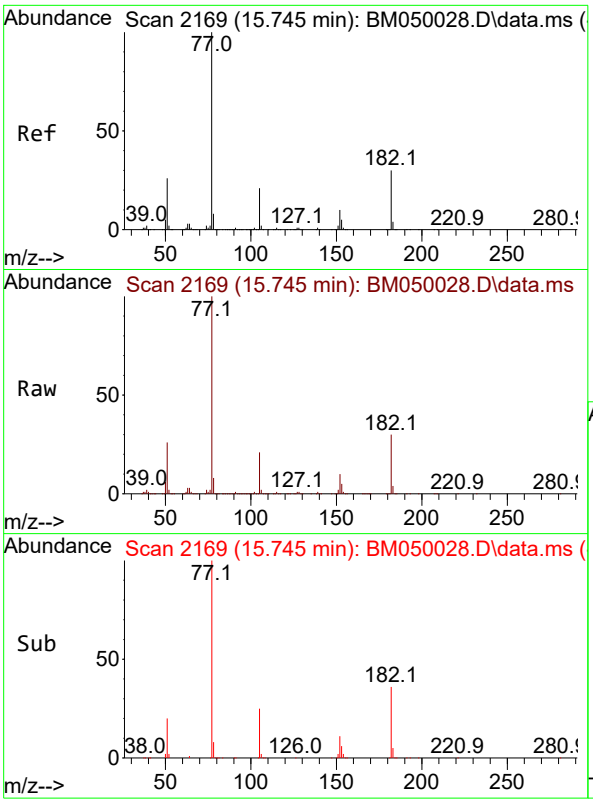


#62
4-Nitroaniline
Concen: 44.949 ng
RT: 15.492 min Scan# 2126
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:138 Resp: 370884

Ion	Ratio	Lower	Upper
138	100		
92	45.9	25.9	65.9
108	72.4	52.4	92.4



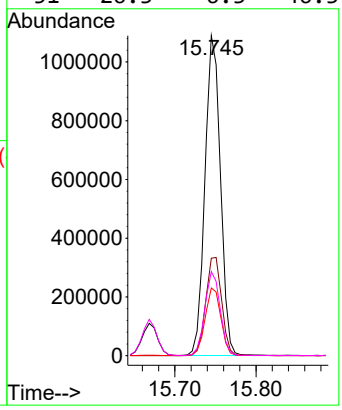


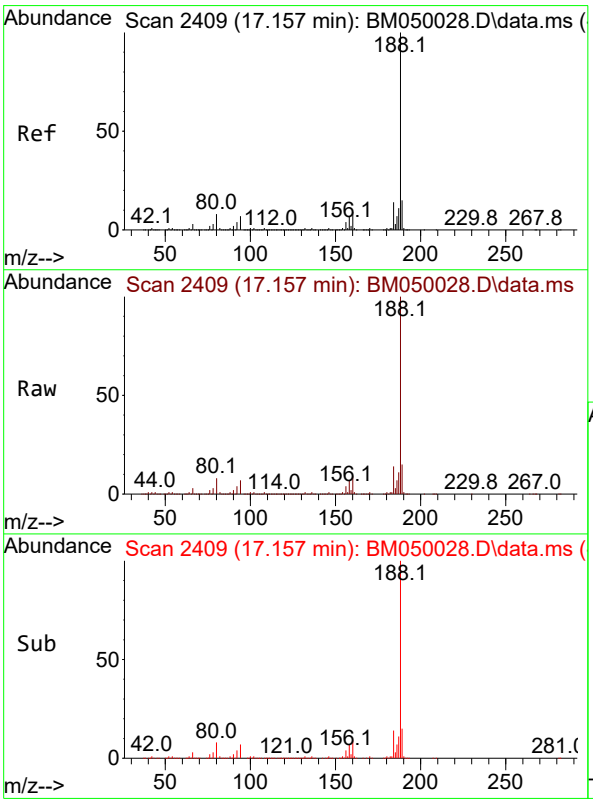
#63
Azobenzene
Concen: 42.150 ng
RT: 15.745 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 1439085

Ion	Ratio	Lower	Upper
77	100		
182	30.5	10.5	50.5
105	21.1	1.1	41.1
51	26.3	6.3	46.3

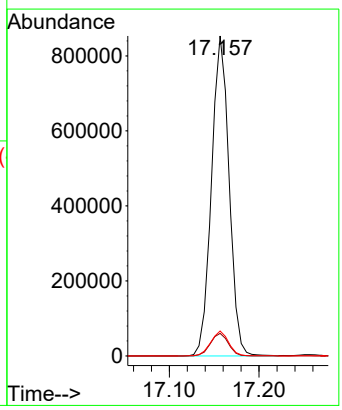


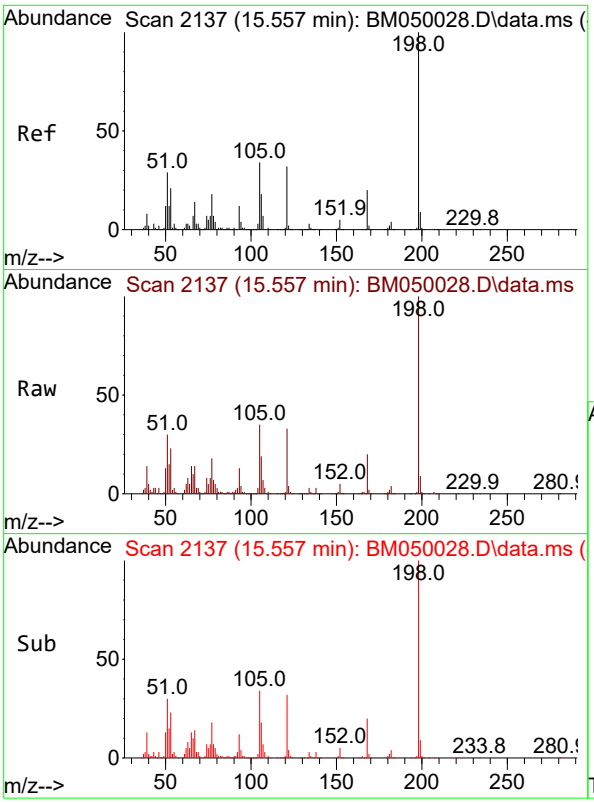


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:188 Resp: 1163791

Ion	Ratio	Lower	Upper
188	100		
94	7.1	5.7	8.5
80	7.8	6.2	9.4



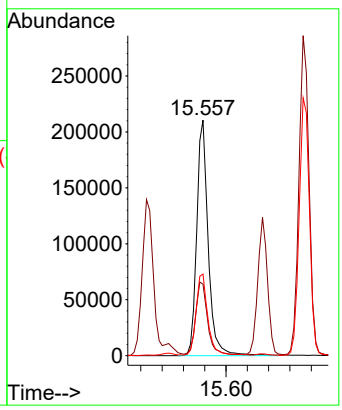


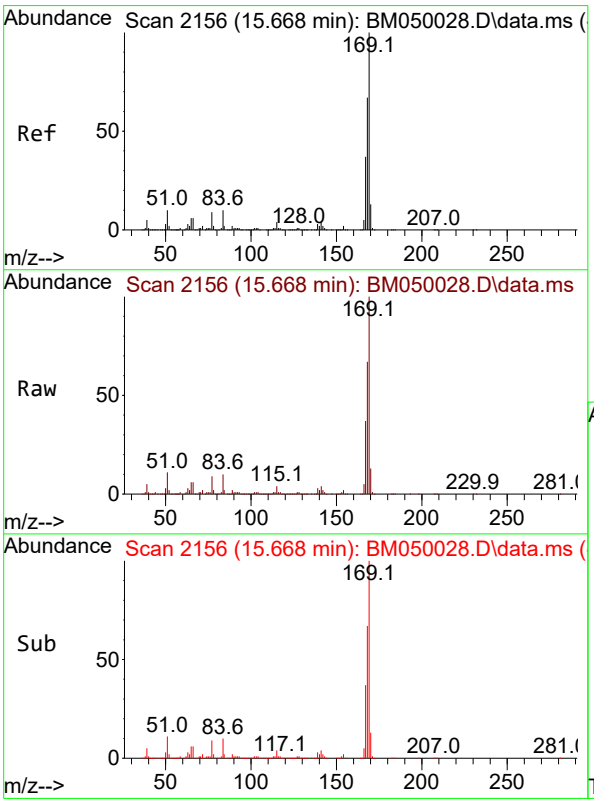
#65
4,6-Dinitro-2-methylphenol
Concen: 43.256 ng
RT: 15.557 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 315113

Ion	Ratio	Lower	Upper
198	100		
51	30.4	10.4	50.4
105	34.6	14.6	54.6

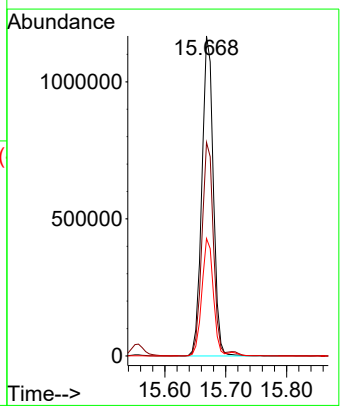


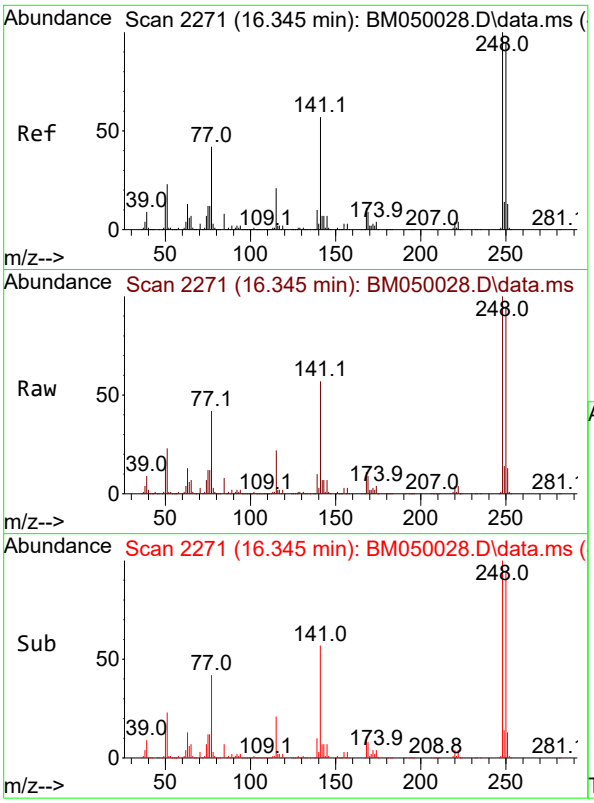


#66
n-Nitrosodiphenylamine
Concen: 42.678 ng
RT: 15.668 min Scan# 2156
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:169 Resp: 1525193

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.4	80.2
167	36.7	29.4	44.0



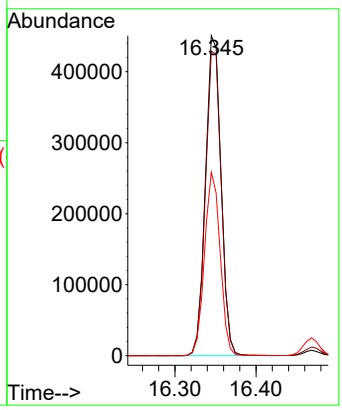


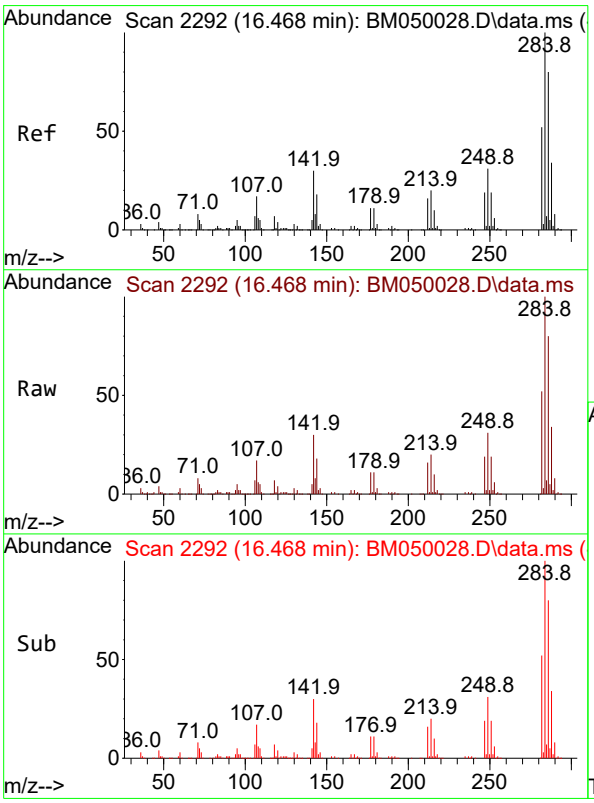
#67
4-Bromophenyl-phenylether
Concen: 42.660 ng
RT: 16.345 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 600373

Ion	Ratio	Lower	Upper
248	100		
250	95.2	76.2	114.2
141	57.4	45.9	68.9

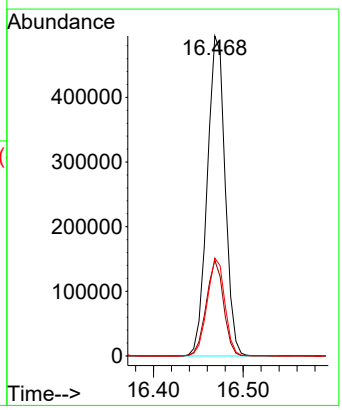


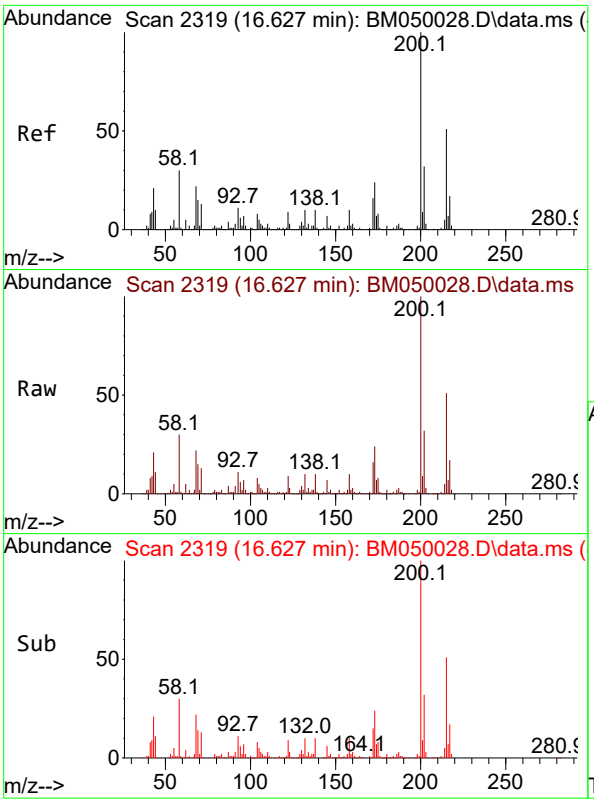


#68
Hexachlorobenzene
Concen: 42.122 ng
RT: 16.468 min Scan# 2292
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:284 Resp: 683325

Ion	Ratio	Lower	Upper
284	100		
142	29.9	23.9	35.9
249	30.6	24.5	36.7



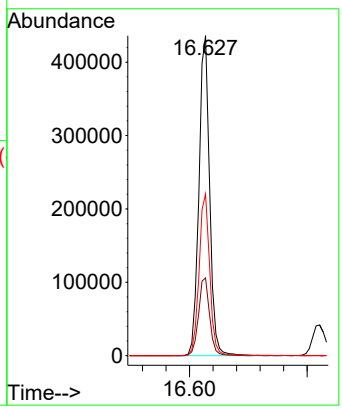


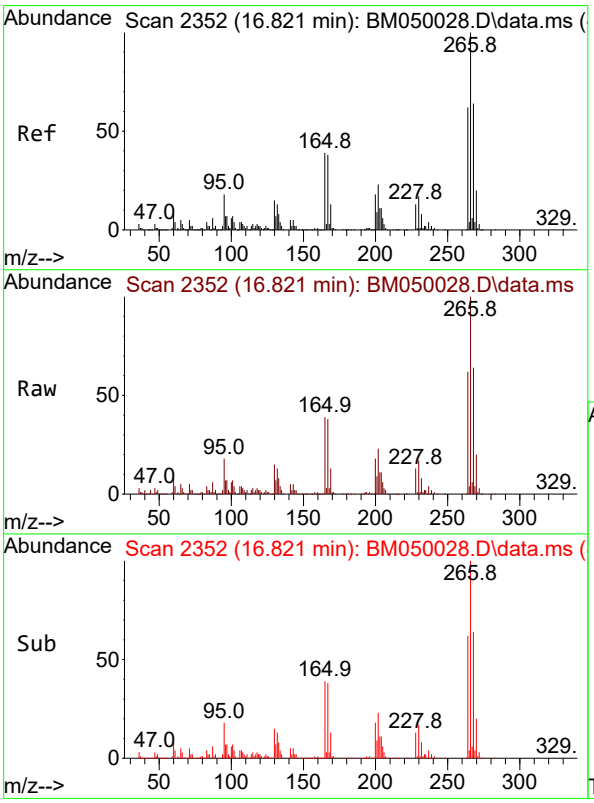
#69
Atrazine
Concen: 42.668 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 550018

Ion	Ratio	Lower	Upper
200	100		
173	24.3	4.3	44.3
215	50.6	30.6	70.6

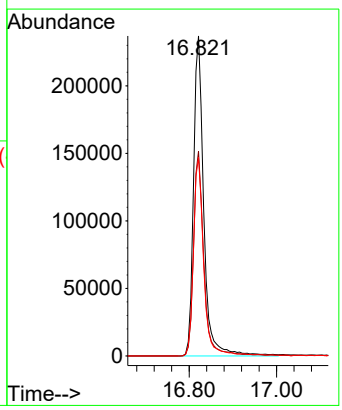


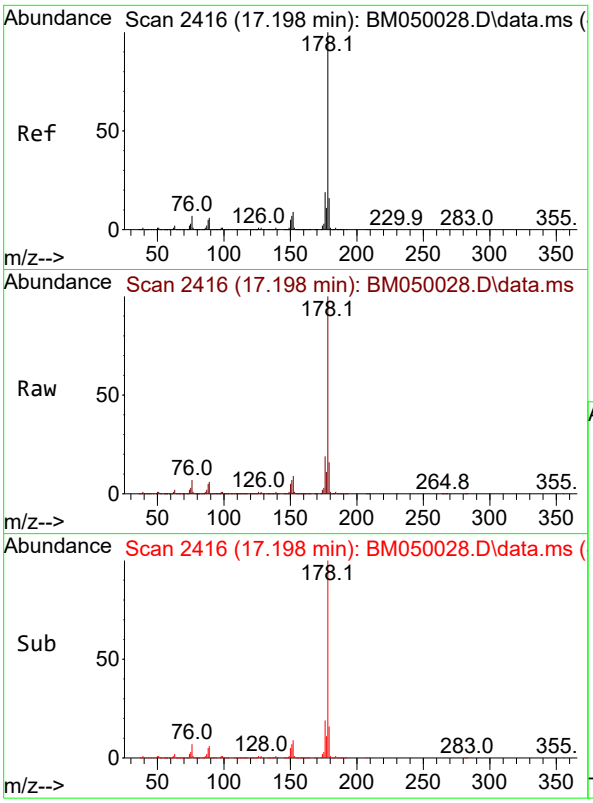


#70
Pentachlorophenol
Concen: 42.448 ng
RT: 16.821 min Scan# 2352
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:266 Resp: 387613

Ion	Ratio	Lower	Upper
266	100		
268	64.0	51.2	76.8
264	62.0	49.6	74.4



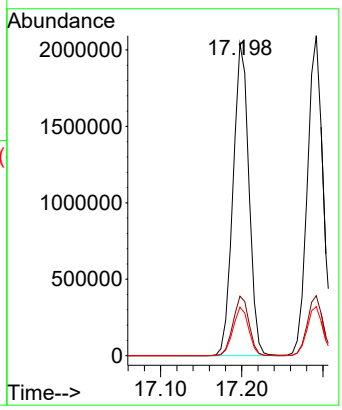


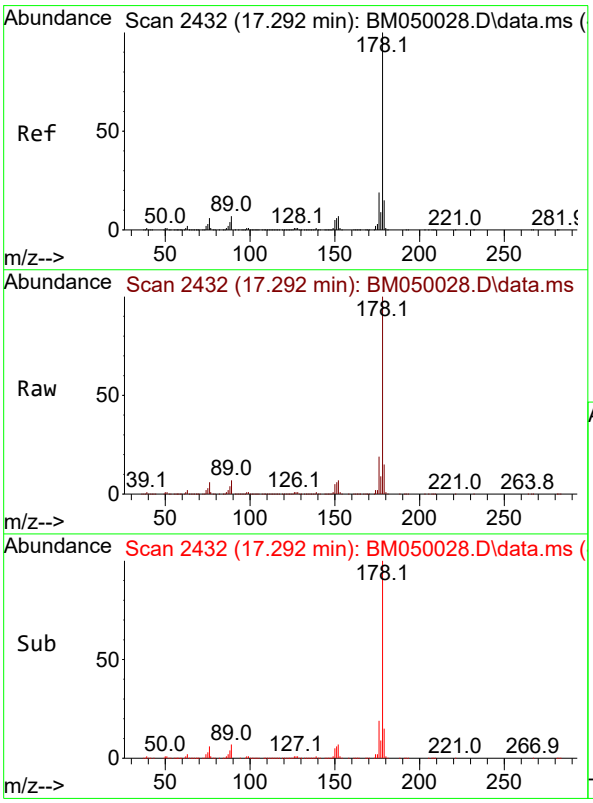
#71
Phenanthrene
Concen: 42.082 ng
RT: 17.198 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 2762249

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.5	12.4	18.6

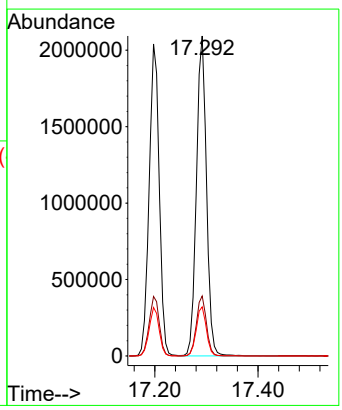


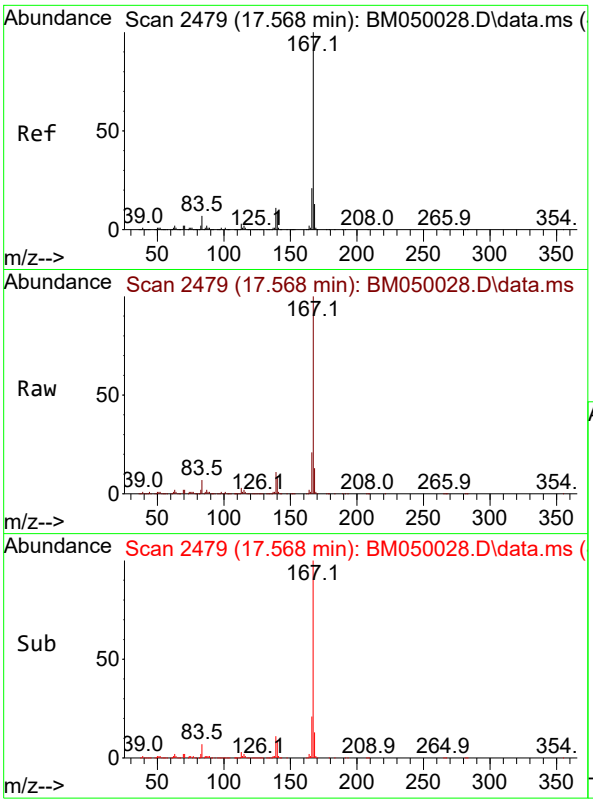


#72
Anthracene
Concen: 42.525 ng
RT: 17.292 min Scan# 2432
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:178 Resp: 2824805

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.3	12.2	18.4



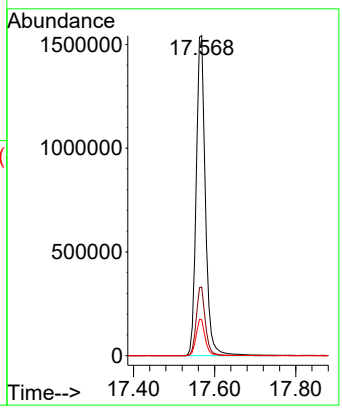


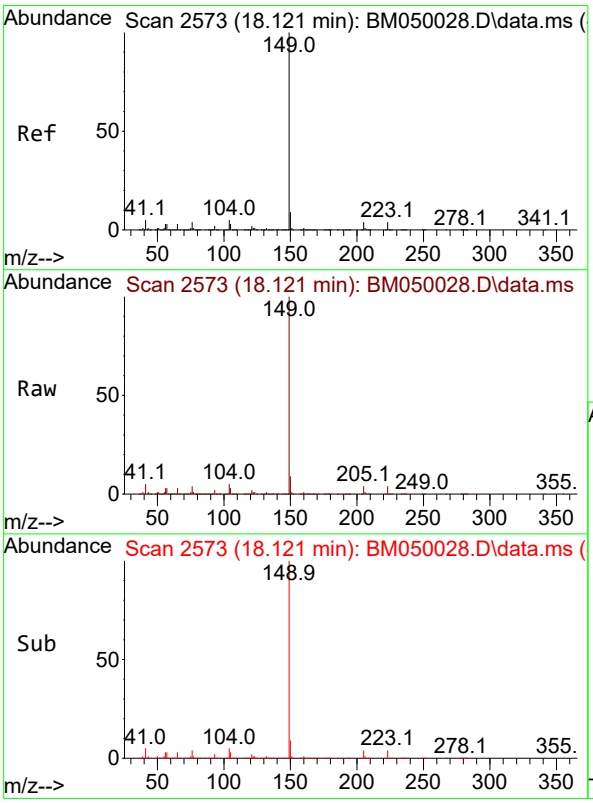
#73
Carbazole
Concen: 42.547 ng
RT: 17.568 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 2452474

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.2	25.8
139	11.3	9.0	13.6

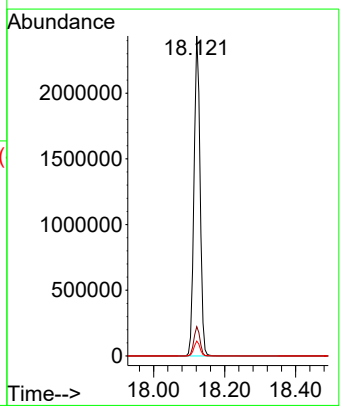


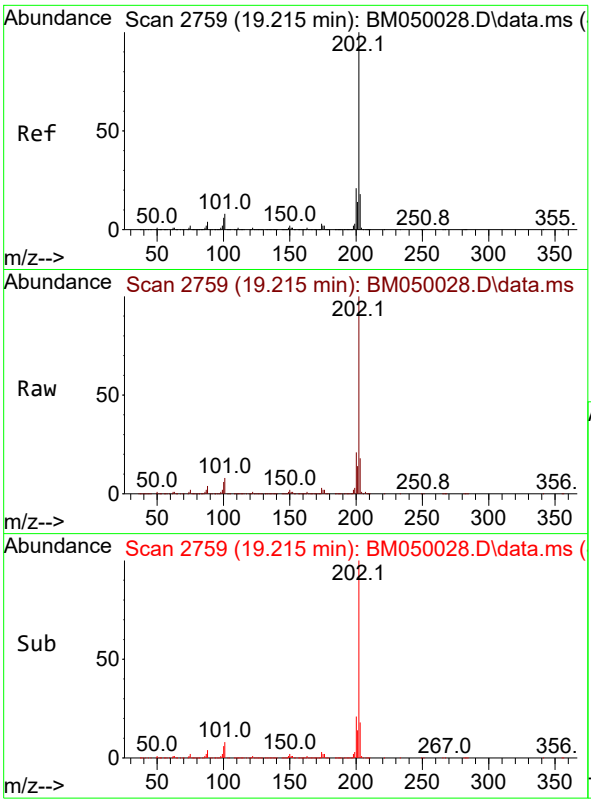


#74
Di-n-butylphthalate
Concen: 42.239 ng
RT: 18.121 min Scan# 2573
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:149 Resp: 2899479

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	4.7	3.8	5.6



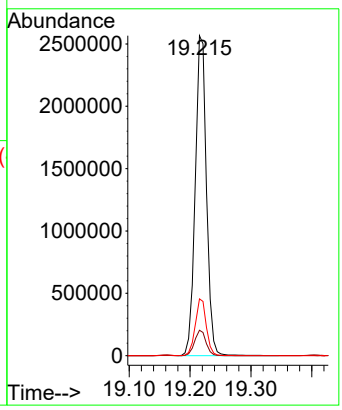


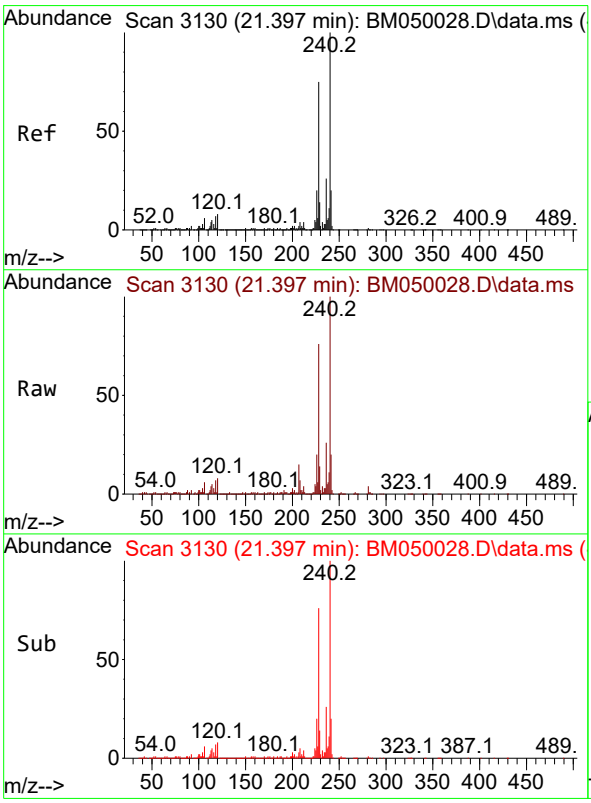
#75
Fluoranthene
Concen: 42.598 ng
RT: 19.215 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 3282789

Ion	Ratio	Lower	Upper
202	100		
101	8.0	0.0	28.0
203	17.7	0.0	37.7

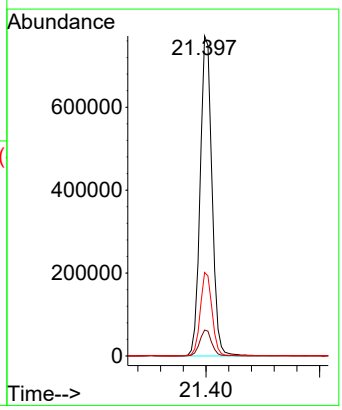


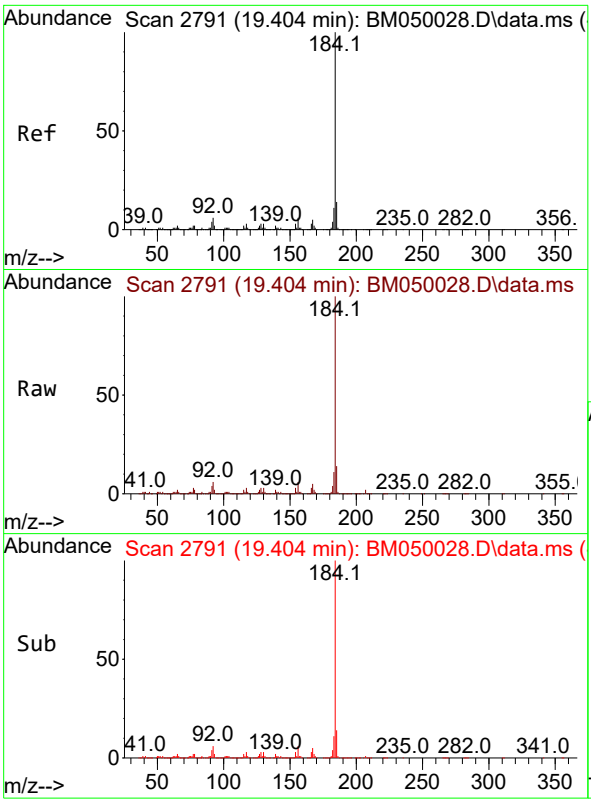


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3130
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:240 Resp: 1114654

Ion	Ratio	Lower	Upper
240	100		
120	8.1	6.5	9.7
236	26.1	20.9	31.3



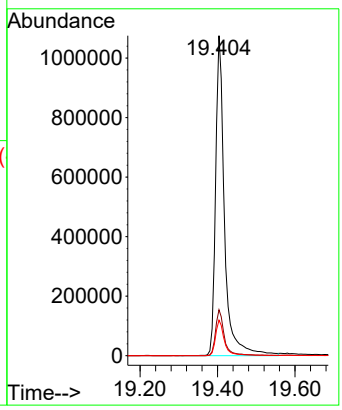


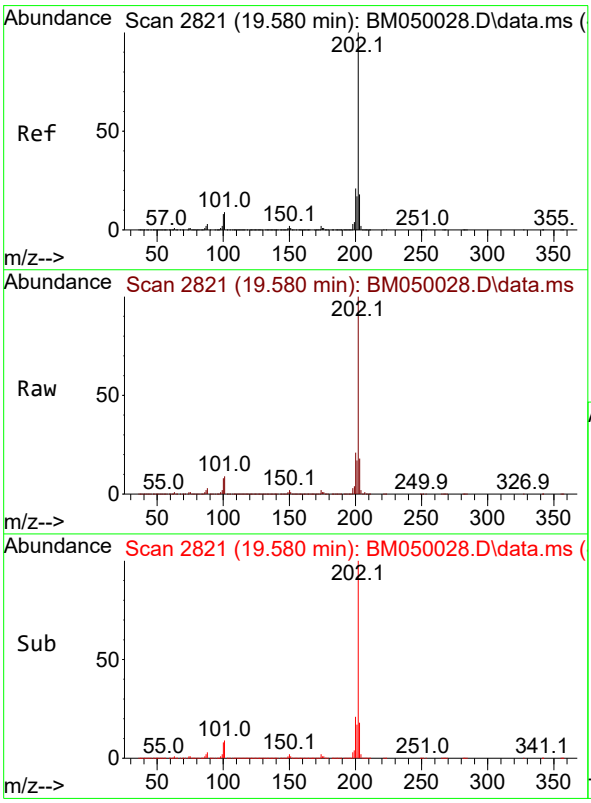
#77
Benzidine
Concen: 43.446 ng
RT: 19.404 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 1720168

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.5	17.3
183	11.1	8.9	13.3

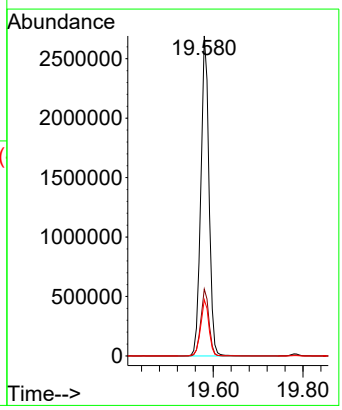


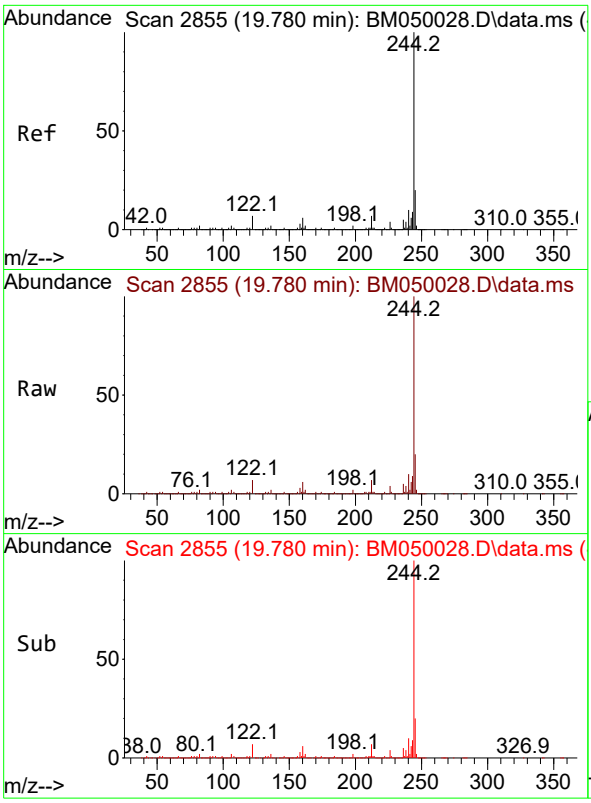


#78
Pyrene
Concen: 43.220 ng
RT: 19.580 min Scan# 2821
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:202 Resp: 3383053

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.6	14.1	21.1



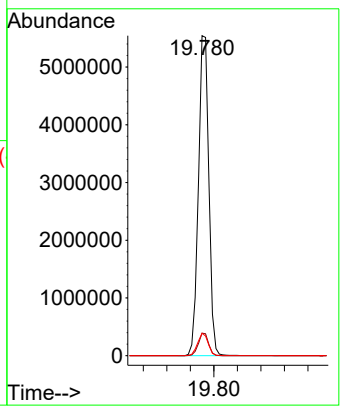


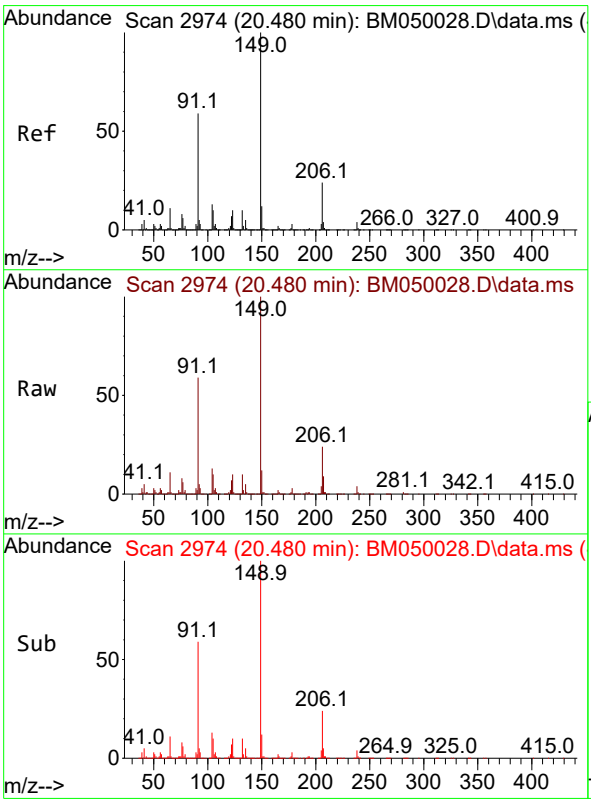
#79
Terphenyl-d14
Concen: 90.233 ng
RT: 19.780 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 6797031

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

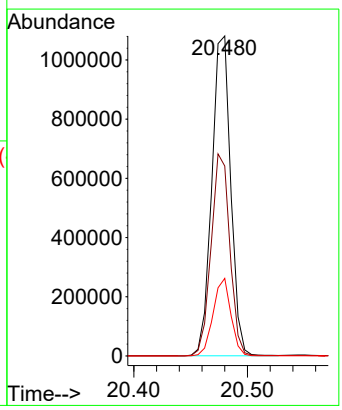


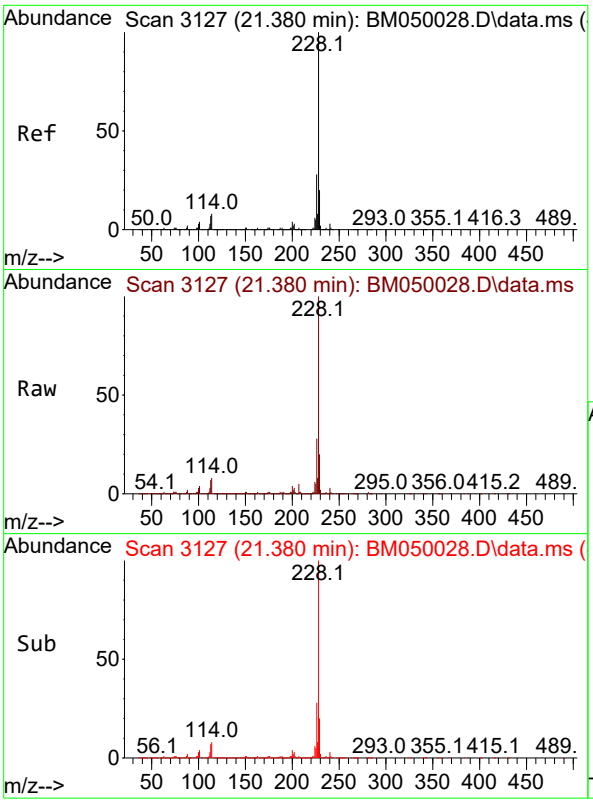


#80
Butylbenzylphthalate
Concen: 42.704 ng
RT: 20.480 min Scan# 2974
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:149 Resp: 1251950

Ion	Ratio	Lower	Upper
149	100		
91	59.3	47.4	71.2
206	24.2	19.4	29.0



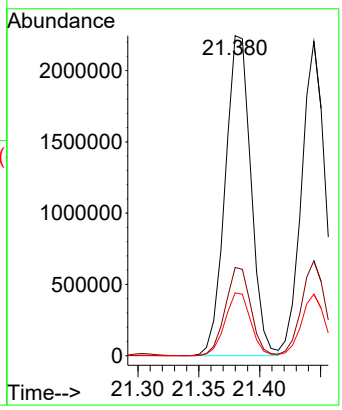


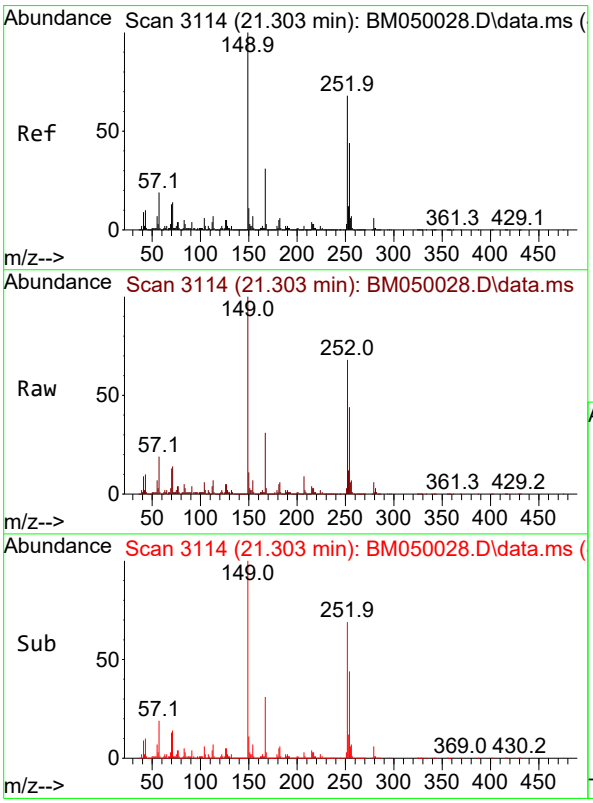
#81
Benzo(a)anthracene
Concen: 42.935 ng
RT: 21.380 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 3295625

Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.1	33.1
229	19.6	15.7	23.5

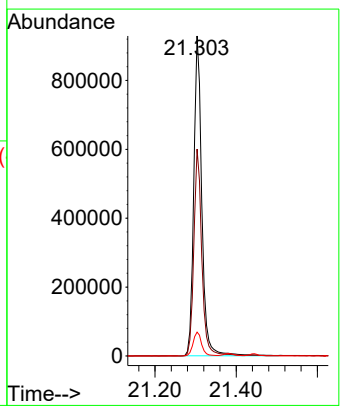


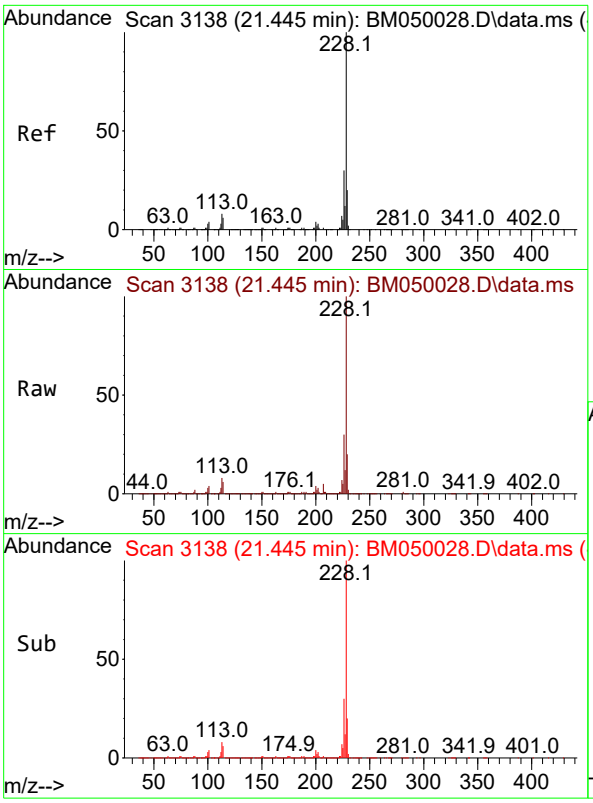


#82
3,3'-Dichlorobenzidine
Concen: 43.991 ng
RT: 21.303 min Scan# 3114
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:252 Resp: 1292611

Ion	Ratio	Lower	Upper
252	100		
254	64.7	51.8	77.6
126	7.5	6.0	9.0



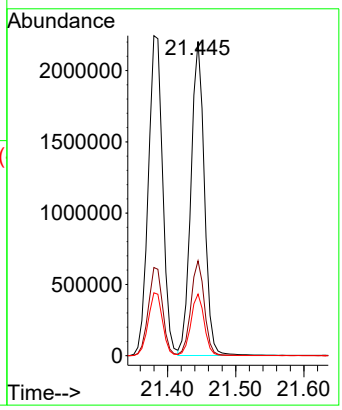


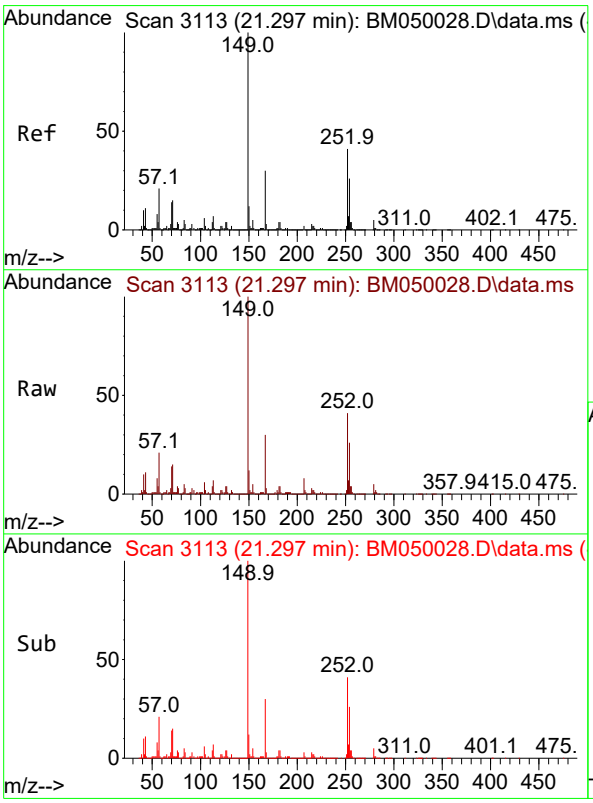
#83
Chrysene
Concen: 42.127 ng
RT: 21.445 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 2992790

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.2	36.2
229	19.6	15.7	23.5

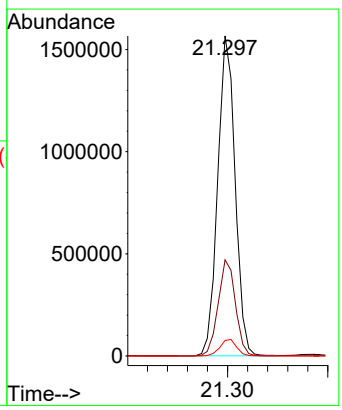


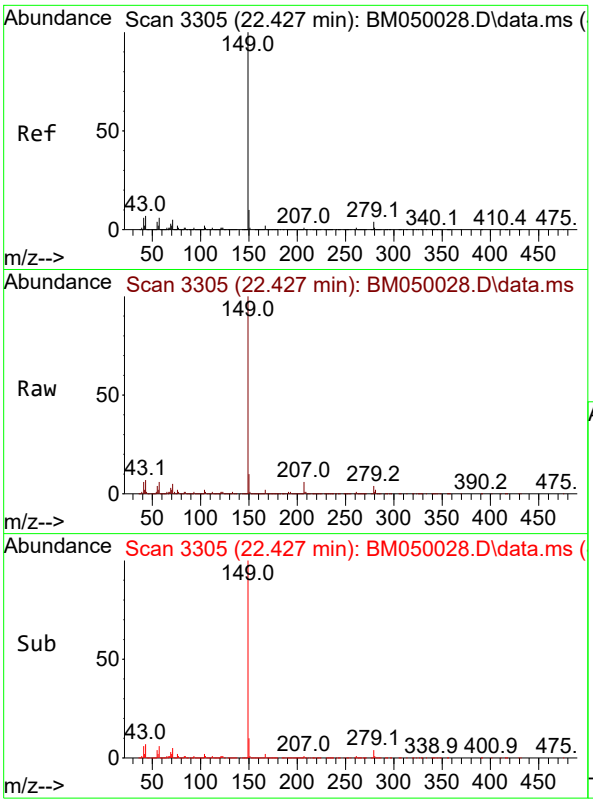


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.895 ng
RT: 21.297 min Scan# 3113
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:149 Resp: 1878368

Ion	Ratio	Lower	Upper
149	100		
167	30.1	24.1	36.1
279	4.9	3.9	5.9



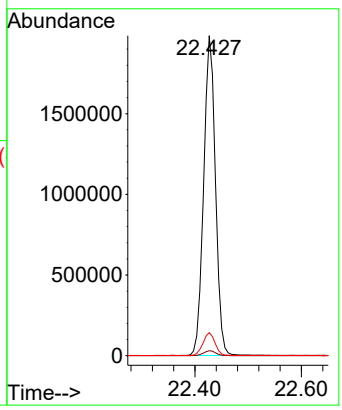


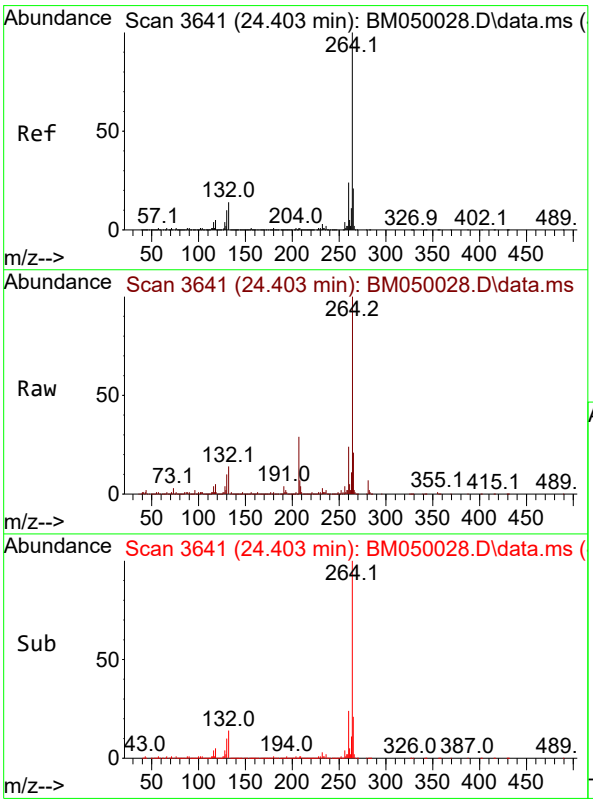
#85
Di-n-octyl phthalate
Concen: 42.160 ng
RT: 22.427 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 3044578

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.3	5.8	8.8

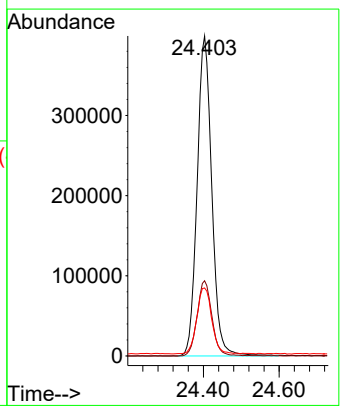


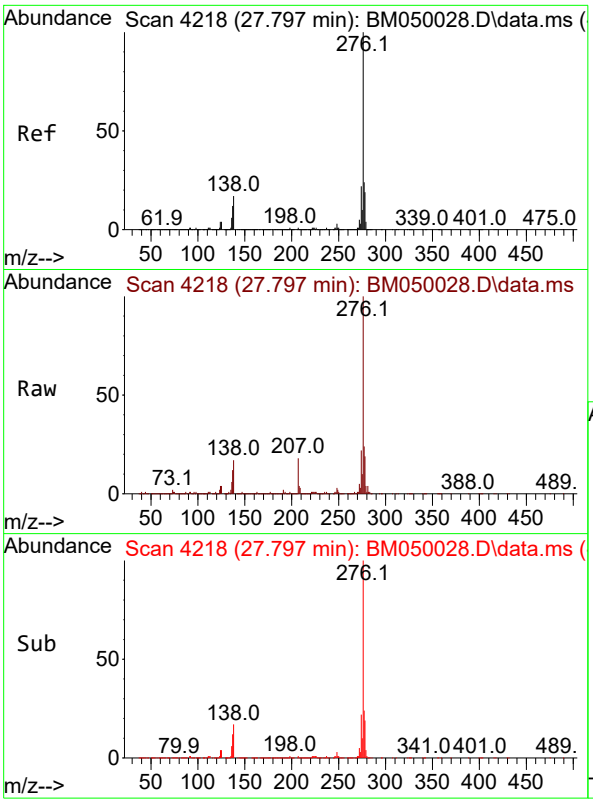


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3641
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:264 Resp: 1072526

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.8	28.2
265	21.2	17.0	25.4



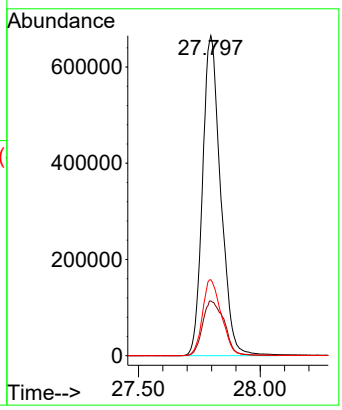


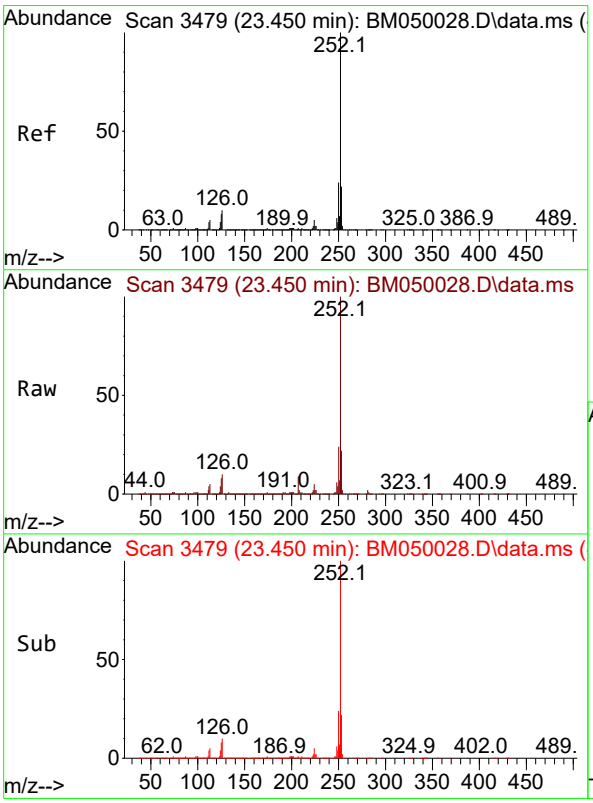
#87
Indeno(1,2,3-cd)pyrene
Concen: 42.991 ng
RT: 27.797 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 3435665

Ion	Ratio	Lower	Upper
276	100		
138	20.5	16.4	24.6
277	24.8	19.8	29.8

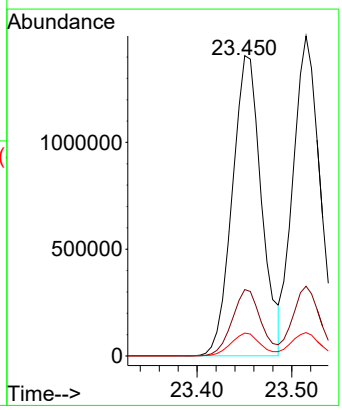


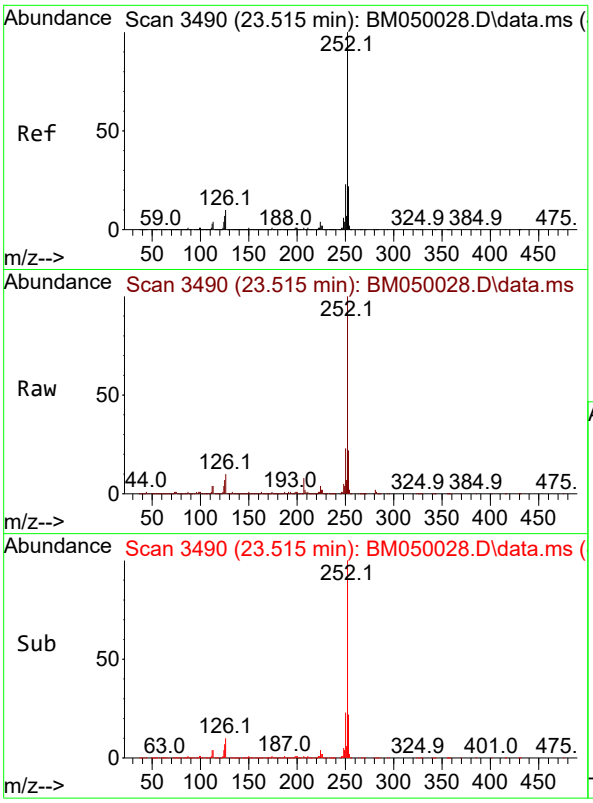


#88
Benzo(b)fluoranthene
Concen: 43.243 ng
RT: 23.450 min Scan# 3479
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:252 Resp: 3016197

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	7.6	6.1	9.1



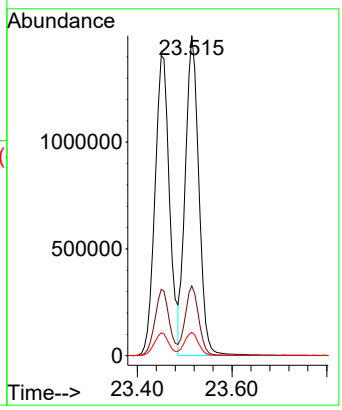


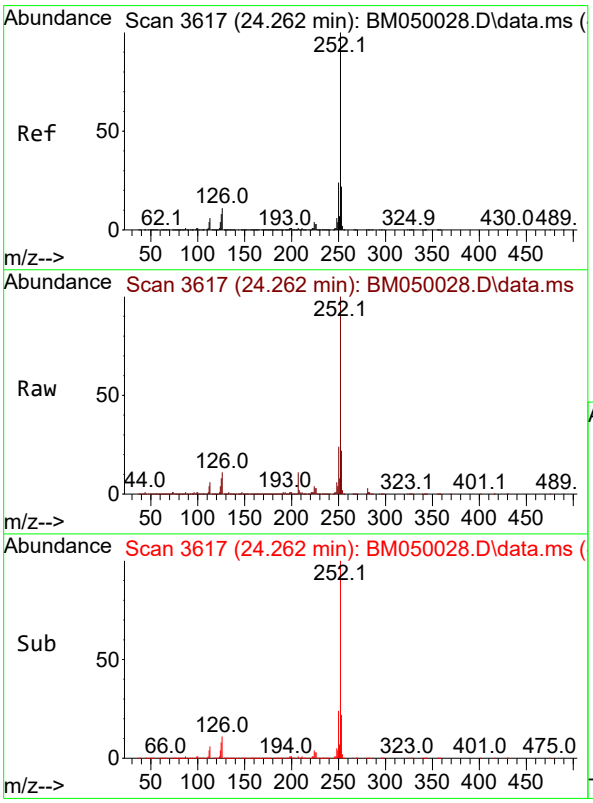
#89
Benzo(k)fluoranthene
Concen: 42.155 ng
RT: 23.515 min Scan# 34
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 2974903

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	7.3	5.8	8.8

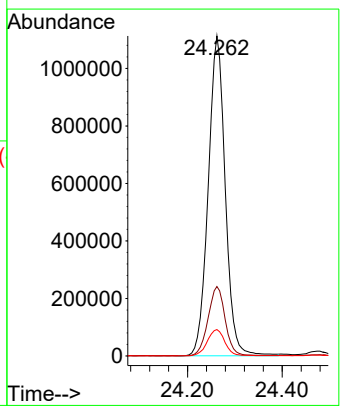


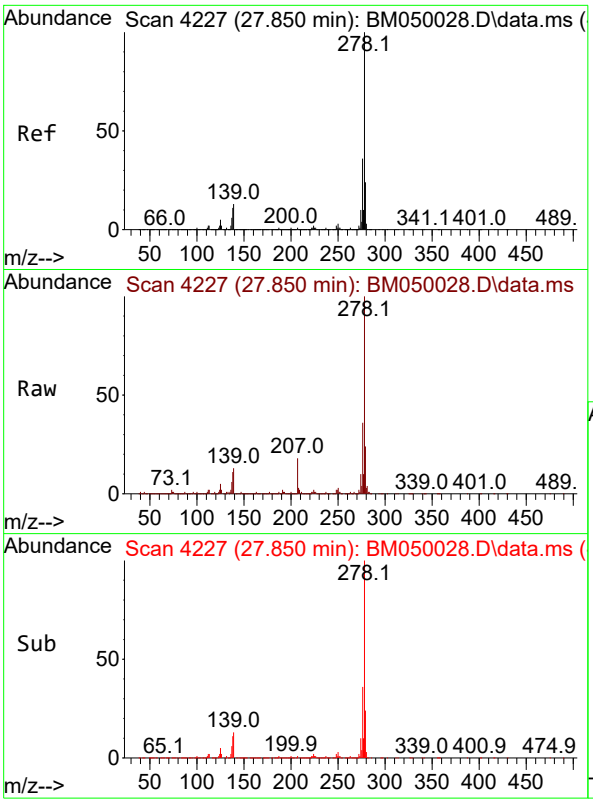


#90
Benzo(a)pyrene
Concen: 42.519 ng
RT: 24.262 min Scan# 3617
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:252 Resp: 2777683

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	8.2	6.6	9.8



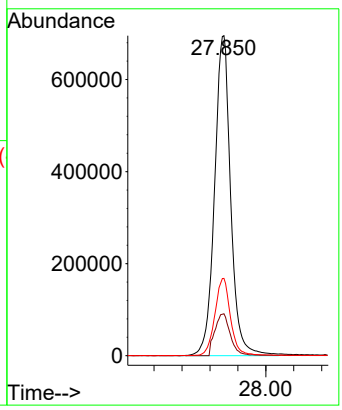


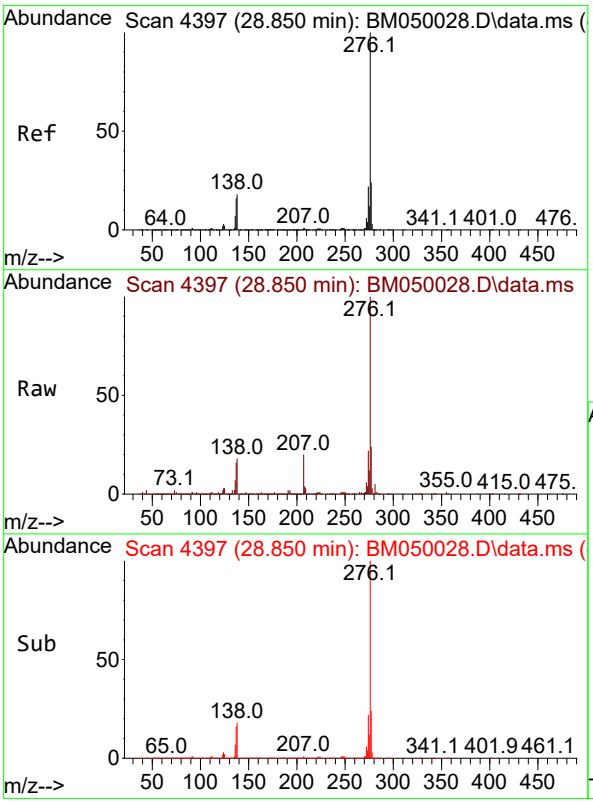
#91
Dibenzo(a,h)anthracene
Concen: 42.796 ng
RT: 27.850 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 2787948

Ion	Ratio	Lower	Upper
278	100		
139	13.1	10.5	15.7
279	24.2	19.4	29.0

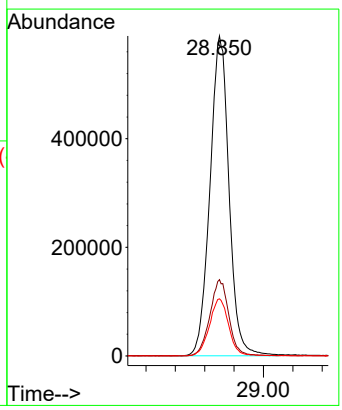




#92
Benzo(g,h,i)perylene
Concen: 42.508 ng
RT: 28.850 min Scan# 4397
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:276 Resp: 2651145

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.1	28.7
138	17.9	14.3	21.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050029.D
Acq On : 28 Apr 2025 15:45
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Quant Time: Apr 28 17:57:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	228207	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	837552	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	554448	20.000	ng	0.00
64) Phenanthrene-d10	17.156	188	1105769	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1097646	20.000	ng	0.00
86) Perylene-d12	24.397	264	1061511	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1382138	106.054	ng	0.00
7) Phenol-d6	6.951	99	1754123	107.089	ng	0.00
23) Nitrobenzene-d5	8.928	82	1811208	106.560	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	911669	111.203	ng	0.00
45) 2-Fluorobiphenyl	13.033	172	5051261	107.775	ng	0.00
79) Terphenyl-d14	19.780	244	8457811	114.020	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.251	88	287618	51.472	ng	100
3) Pyridine	3.657	79	757569	52.766	ng	99
4) n-Nitrosodimethylamine	3.563	42	295491	52.476	ng	100
6) Aniline	7.098	93	1096746	53.024	ng	99
8) 2-Chlorophenol	7.339	128	742074	52.664	ng	100
9) Benzaldehyde	6.910	77	577740	52.770	ng	99
10) Phenol	6.981	94	877155	52.897	ng	98
11) bis(2-Chloroethyl)ether	7.192	93	725268	52.379	ng	99
12) 1,3-Dichlorobenzene	7.657	146	885183	52.004	ng	100
13) 1,4-Dichlorobenzene	7.804	146	888114	51.937	ng	100
14) 1,2-Dichlorobenzene	8.122	146	859475	52.033	ng	99
15) Benzyl Alcohol	8.016	79	612811	53.947	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.292	45	863443	51.300	ng	99
17) 2-Methylphenol	8.228	107	585120	53.563	ng	99
18) Hexachloroethane	8.845	117	312710	51.444	ng	98
19) n-Nitroso-di-n-propyla...	8.575	70	563847	53.672	ng	100
20) 3+4-Methylphenols	8.551	107	794422	53.851	ng	98
22) Acetophenone	8.592	105	1100024	52.827	ng	99
24) Nitrobenzene	8.969	77	779215	53.020	ng	99
25) Isophorone	9.498	82	1526436	52.685	ng	100
26) 2-Nitrophenol	9.680	139	415316	55.315	ng	99
27) 2,4-Dimethylphenol	9.751	122	674547	54.175	ng	100
28) bis(2-Chloroethoxy)met...	9.975	93	946285	52.843	ng	100
29) 2,4-Dichlorophenol	10.227	162	751117	53.847	ng	99
30) 1,2,4-Trichlorobenzene	10.427	180	891501	52.457	ng	98
31) Naphthalene	10.610	128	2214025	52.198	ng	100
32) Benzoic acid	9.922	122	431557	54.343	ng	98
33) 4-Chloroaniline	10.727	127	937309	53.913	ng	99
34) Hexachlorobutadiene	10.898	225	566049	52.471	ng	99
35) Caprolactam	11.522	113	218572	53.741	ng	92
36) 4-Chloro-3-methylphenol	11.869	107	688099	53.394	ng	98
37) 2-Methylnaphthalene	12.227	142	1494348	52.548	ng	99
38) 1-Methylnaphthalene	12.445	142	1572248	52.243	ng	99
40) 1,2,4,5-Tetrachloroben...	12.604	216	1033027	53.822	ng	99
41) Hexachlorocyclopentadiene	12.580	237	649060	55.336	ng	99
43) 2,4,6-Trichlorophenol	12.851	196	672901	55.275	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050029.D
Acq On : 28 Apr 2025 15:45
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Quant Time: Apr 28 17:57:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

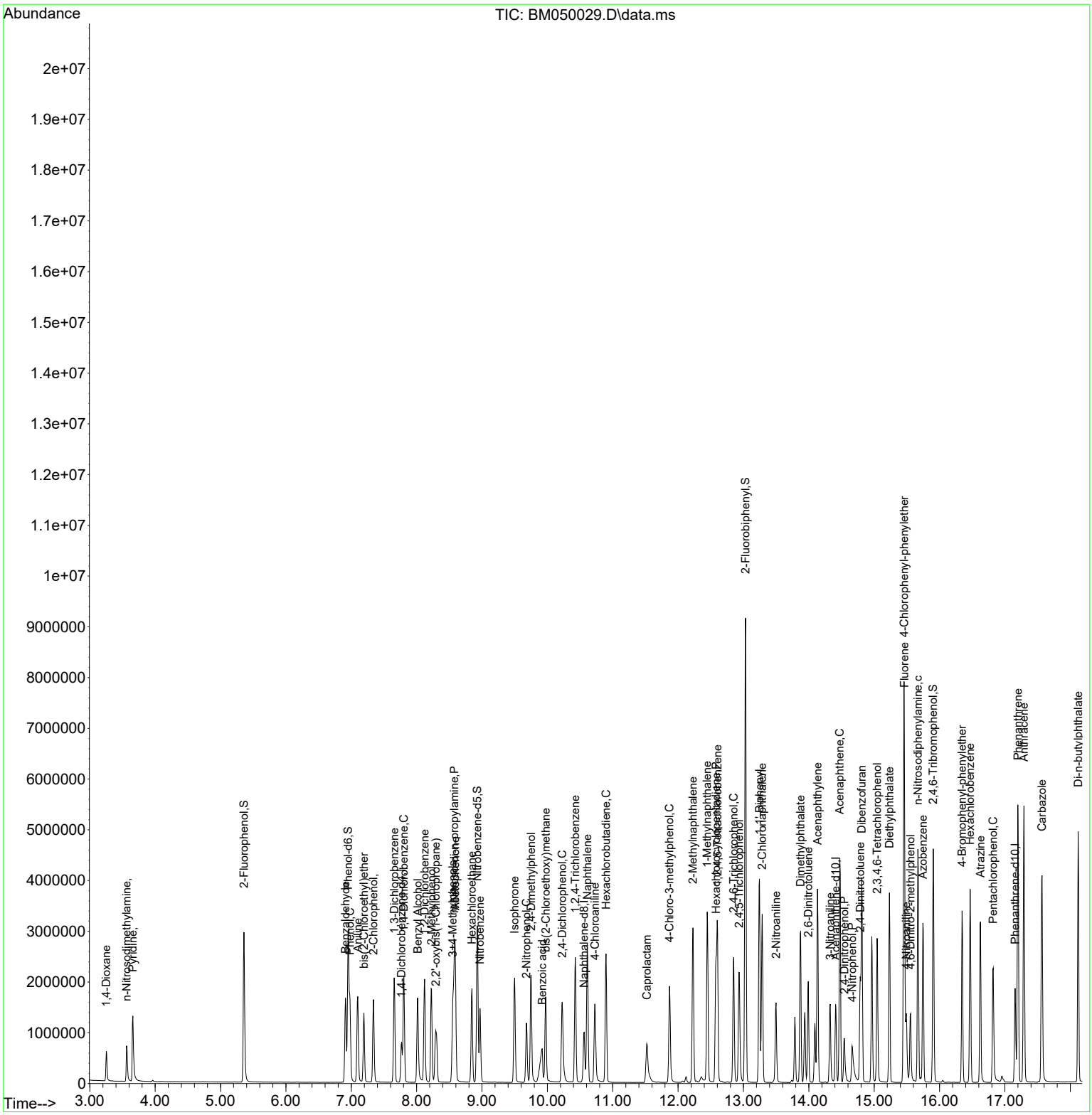
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.933	196	719930	54.841	ng	100
46) 1,1'-Biphenyl	13.245	154	2191996	53.185	ng	100
47) 2-Chloronaphthalene	13.286	162	1729678	52.989	ng	100
48) 2-Nitroaniline	13.498	65	421489	55.016	ng	99
49) Acenaphthylene	14.133	152	2731966	53.082	ng	100
50) Dimethylphthalate	13.874	163	2138242	52.770	ng	100
51) 2,6-Dinitrotoluene	13.992	165	458476	54.650	ng	99
52) Acenaphthene	14.474	154	1587472	53.287	ng	99
53) 3-Nitroaniline	14.327	138	450021	56.186	ng	96
54) 2,4-Dinitrophenol	14.545	184	269515	52.338	ng	99
55) Dibenzofuran	14.810	168	2617489	52.809	ng	100
56) 4-Nitrophenol	14.663	139	328078	52.029	ng	100
57) 2,4-Dinitrotoluene	14.786	165	648262	55.921	ng	99
58) Fluorene	15.462	166	2180247	53.740	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.045	232	617151	54.311	ng	99
60) Diethylphthalate	15.233	149	2011763	52.691	ng	99
61) 4-Chlorophenyl-phenyle...	15.457	204	1207514	54.188	ng	99
62) 4-Nitroaniline	15.492	138	445520	57.612	ng	99
63) Azobenzene	15.745	77	1703932	53.251	ng	100
65) 4,6-Dinitro-2-methylph...	15.557	198	393191	56.806	ng	98
66) n-Nitrosodiphenylamine	15.668	169	1815723	53.474	ng	99
67) 4-Bromophenyl-phenylether	16.345	248	713498	53.359	ng	98
68) Hexachlorobenzene	16.468	284	815392	52.900	ng	98
69) Atrazine	16.627	200	669330	54.648	ng	99
70) Pentachlorophenol	16.821	266	475717	54.830	ng	99
71) Phenanthrene	17.198	178	3349195	53.702	ng	100
72) Anthracene	17.292	178	3417239	54.143	ng	100
73) Carbazole	17.568	167	2971695	54.260	ng	99
74) Di-n-butylphthalate	18.121	149	3530893	54.137	ng	100
75) Fluoranthene	19.215	202	4021516	54.922	ng	100
77) Benzidine	19.403	184	2110748	54.137	ng	100
78) Pyrene	19.580	202	4169831	54.097	ng	100
80) Butylbenzylphthalate	20.474	149	1557463	53.948	ng	96
81) Benzo(a)anthracene	21.380	228	4058011	53.687	ng	100
82) 3,3'-Dichlorobenzidine	21.303	252	1639448	56.659	ng	99
83) Chrysene	21.444	228	3755543	53.683	ng	99
84) Bis(2-ethylhexyl)phtha...	21.297	149	2336926	54.194	ng	98
85) Di-n-octyl phthalate	22.427	149	3852190	54.170	ng	100
87) Indeno(1,2,3-cd)pyrene	27.797	276	4369253	55.240	ng	99
88) Benzo(b)fluoranthene	23.450	252	3755728	54.405	ng	99
89) Benzo(k)fluoranthene	23.515	252	3844095	55.037	ng	99
90) Benzo(a)pyrene	24.262	252	3529489	54.588	ng	99
91) Dibenzo(a,h)anthracene	27.838	278	3575099	55.448	ng	99
92) Benzo(g,h,i)perylene	28.850	276	3363778	54.494	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050029.D
Acq On : 28 Apr 2025 15:45
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

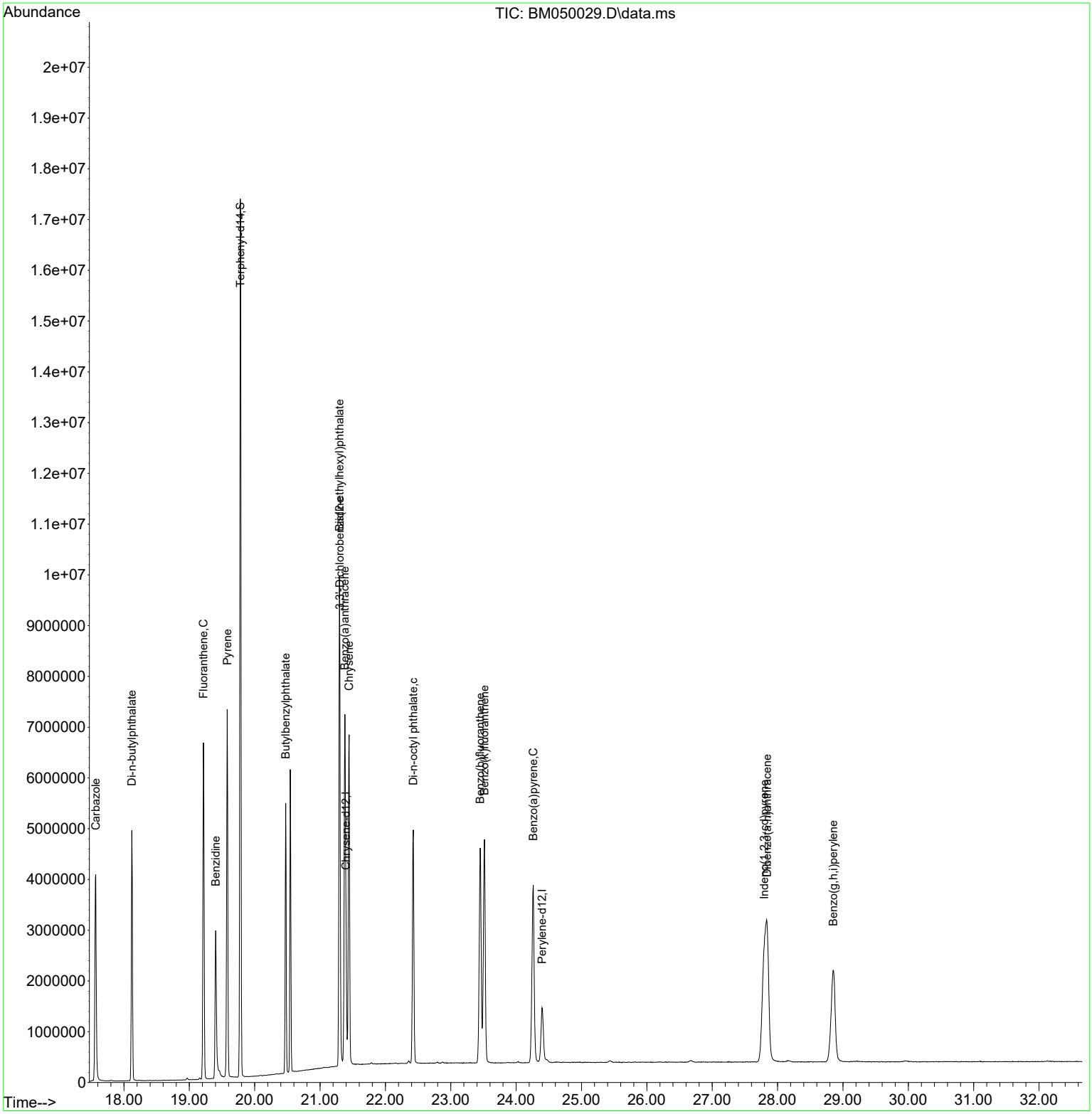
Quant Time: Apr 28 17:57:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

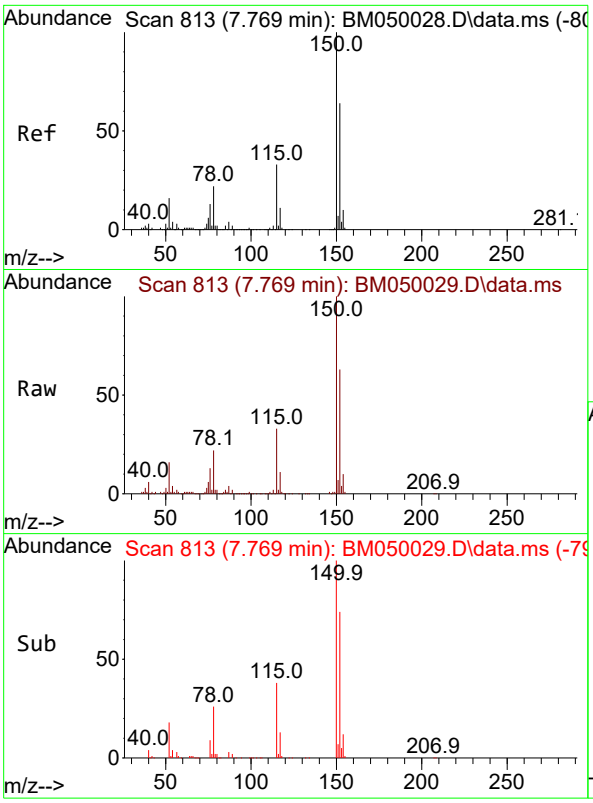


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050029.D
Acq On : 28 Apr 2025 15:45
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Quant Time: Apr 28 17:57:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration



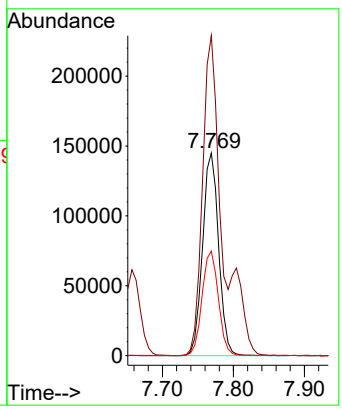


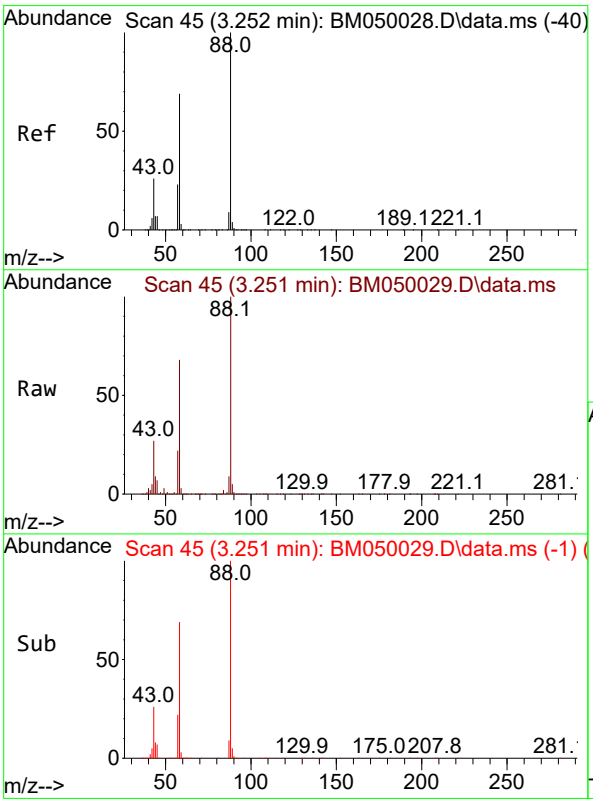
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 228207

Ion	Ratio	Lower	Upper
152	100		
150	157.9	124.1	186.1
115	51.6	41.2	61.8

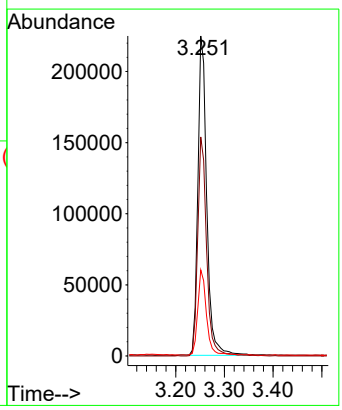


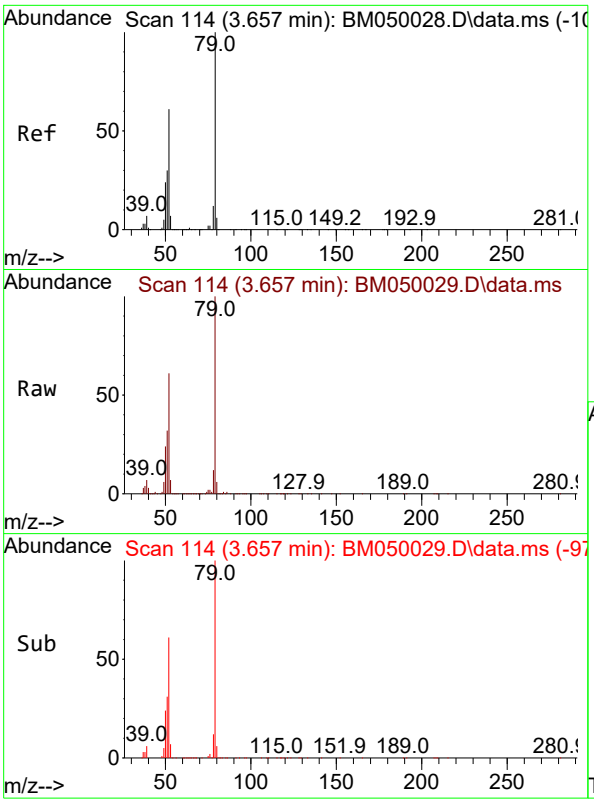


#2
1,4-Dioxane
Concen: 51.472 ng
RT: 3.251 min Scan# 45
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion: 88 Resp: 287618

Ion	Ratio	Lower	Upper
88	100		
58	68.7	55.1	82.7
43	26.0	20.9	31.3



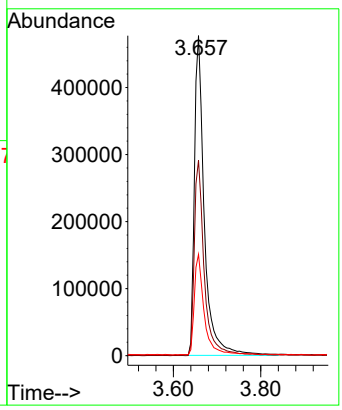


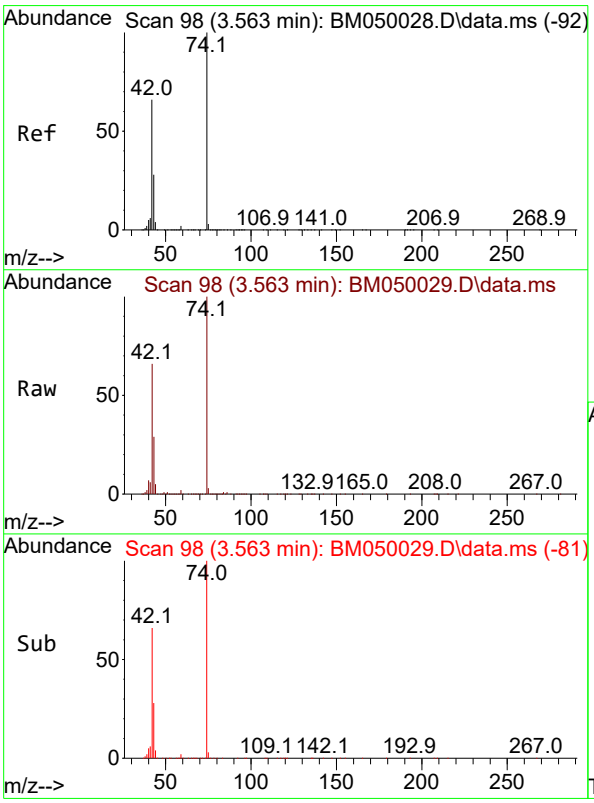
#3
Pyridine
Concen: 52.766 ng
RT: 3.657 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 757569

Ion	Ratio	Lower	Upper
79	100		
52	61.0	48.6	72.8
51	31.7	24.6	37.0

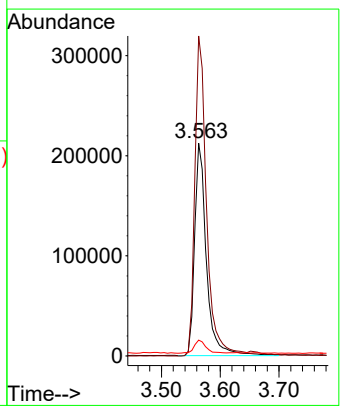


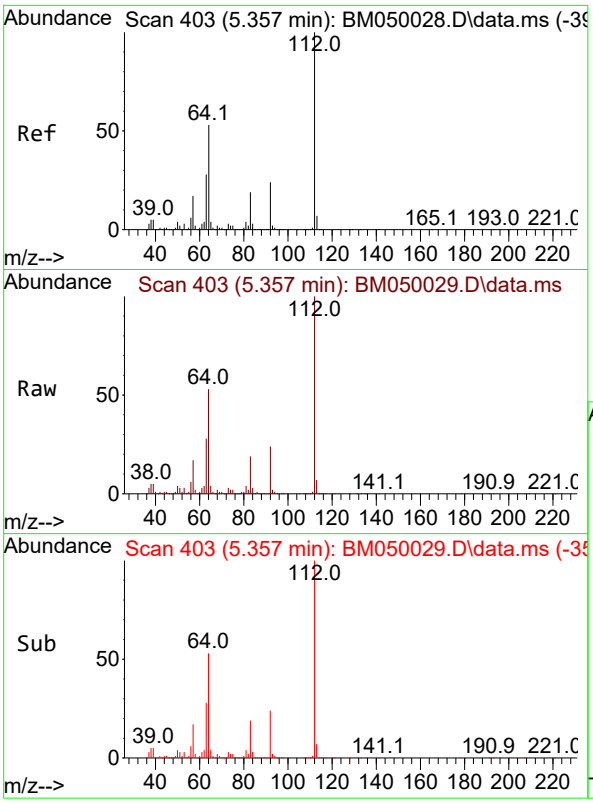


#4
n-Nitrosodimethylamine
Concen: 52.476 ng
RT: 3.563 min Scan# 98
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion: 42 Resp: 295491

Ion	Ratio	Lower	Upper
42	100		
74	150.4	120.2	180.2
44	7.4	6.2	9.2



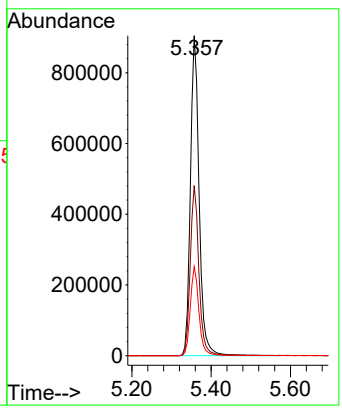


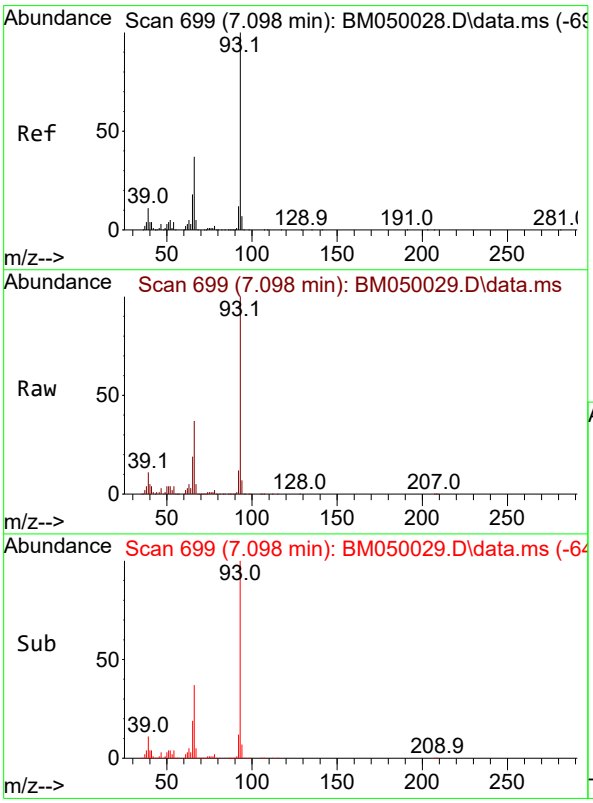
#5
2-Fluorophenol
Concen: 106.054 ng
RT: 5.357 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 1382138

Ion	Ratio	Lower	Upper
112	100		
64	53.2	42.6	64.0
63	27.8	22.2	33.4

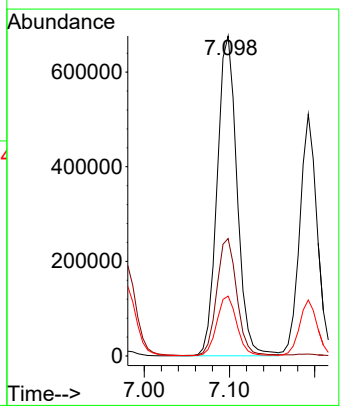


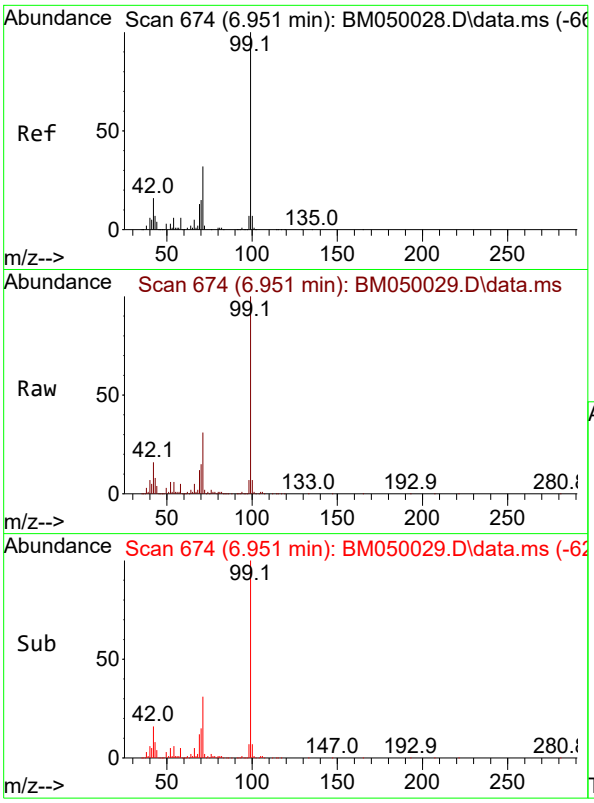


#6
Aniline
Concen: 53.024 ng
RT: 7.098 min Scan# 699
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion: 93 Resp: 1096746

Ion	Ratio	Lower	Upper
93	100		
66	36.7	29.9	44.9
65	18.7	14.5	21.7



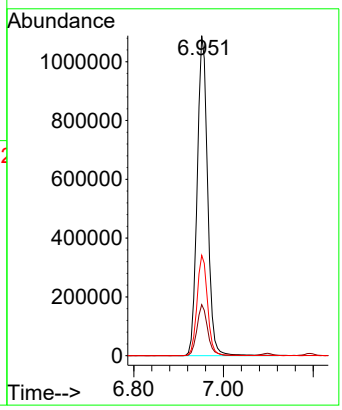


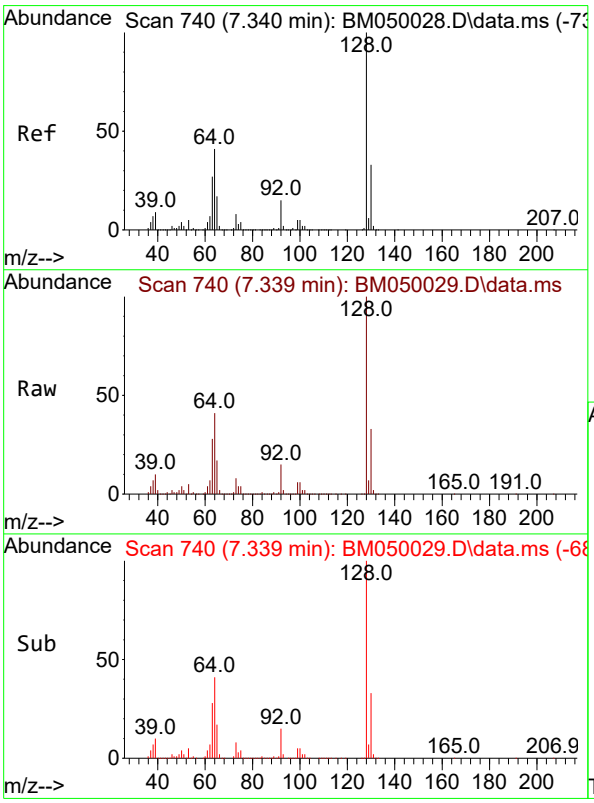
#7
Phenol-d6
Concen: 107.089 ng
RT: 6.951 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 1754123

Ion	Ratio	Lower	Upper
99	100		
42	15.9	13.0	19.4
71	31.3	25.6	38.4

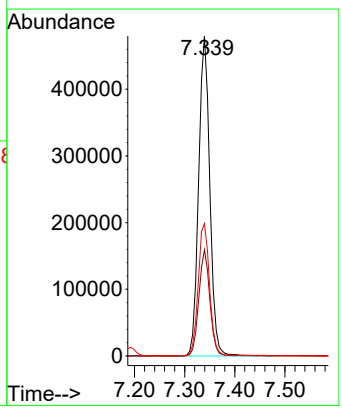


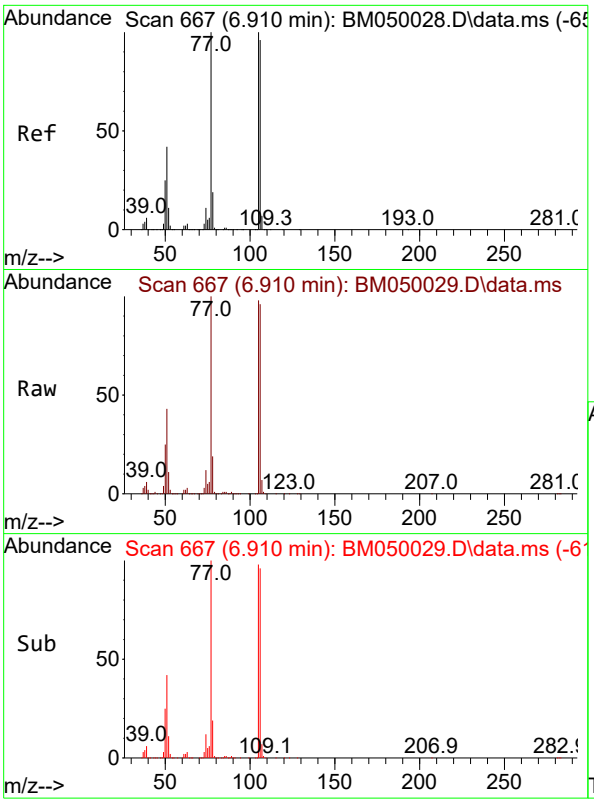


#8
2-Chlorophenol
Concen: 52.664 ng
RT: 7.339 min Scan# 740
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:128 Resp: 742074

Ion	Ratio	Lower	Upper
128	100		
130	33.2	12.8	52.8
64	41.4	21.2	61.2



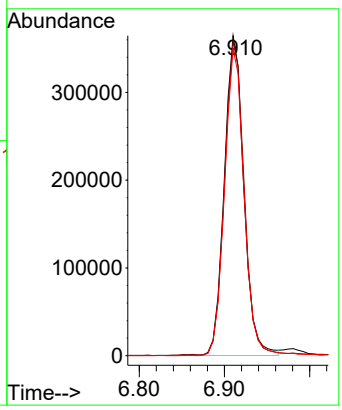


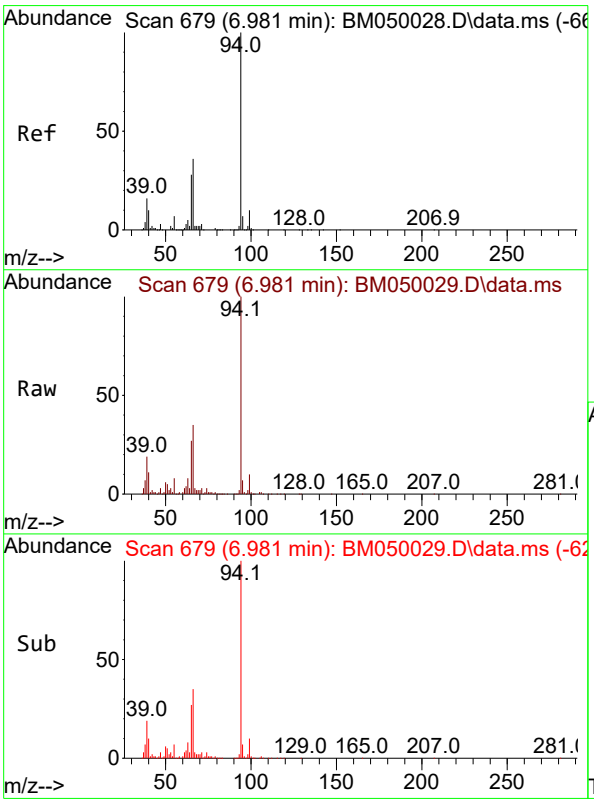
#9
Benzaldehyde
Concen: 52.770 ng
RT: 6.910 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 577740

Ion	Ratio	Lower	Upper
77	100		
105	98.2	80.5	120.5
106	95.9	76.1	116.1

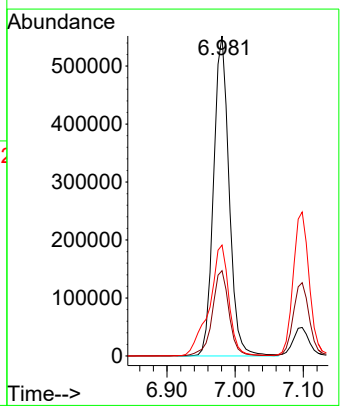


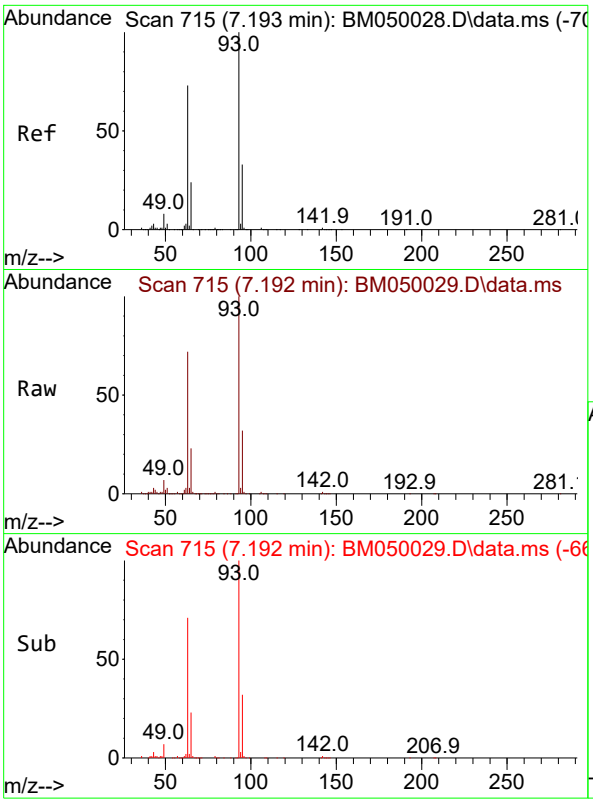


#10
Phenol
Concen: 52.897 ng
RT: 6.981 min Scan# 679
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion: 94 Resp: 877155

Ion	Ratio	Lower	Upper
94	100		
65	26.6	7.6	47.6
66	34.7	15.8	55.8



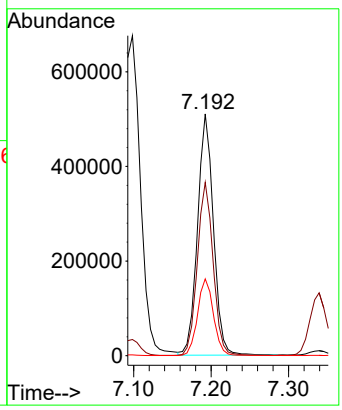


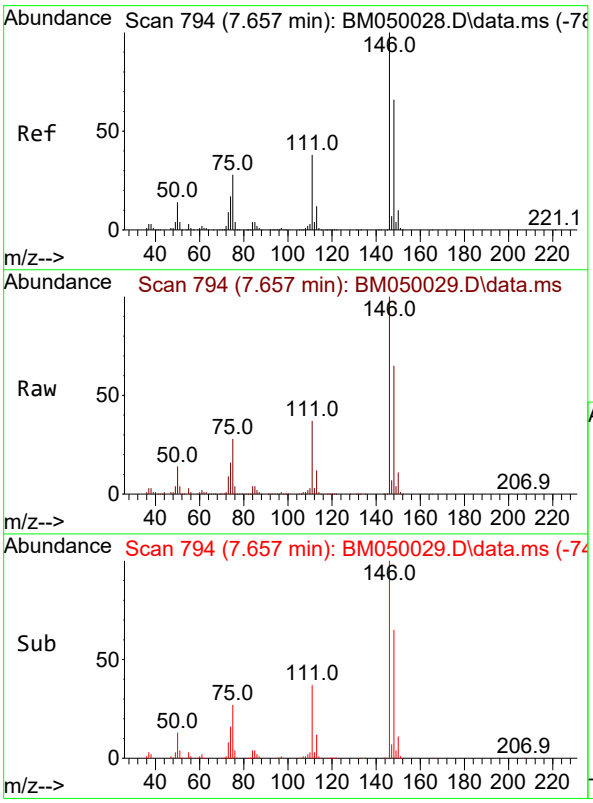
#11
bis(2-Chloroethyl)ether
Concen: 52.379 ng
RT: 7.192 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 725268

Ion	Ratio	Lower	Upper
93	100		
63	71.7	52.3	92.3
95	31.8	12.8	52.8

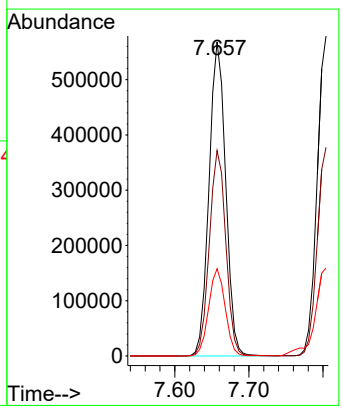


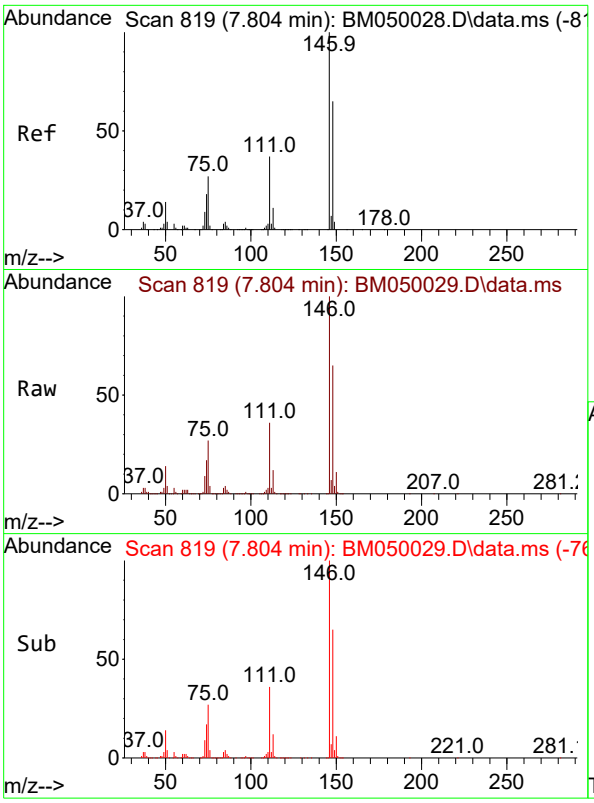


#12
1,3-Dichlorobenzene
Concen: 52.004 ng
RT: 7.657 min Scan# 794
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:146 Resp: 885183

Ion	Ratio	Lower	Upper
146	100		
148	65.4	52.5	78.7
75	27.8	22.6	34.0



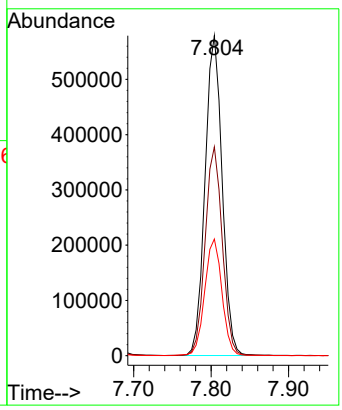


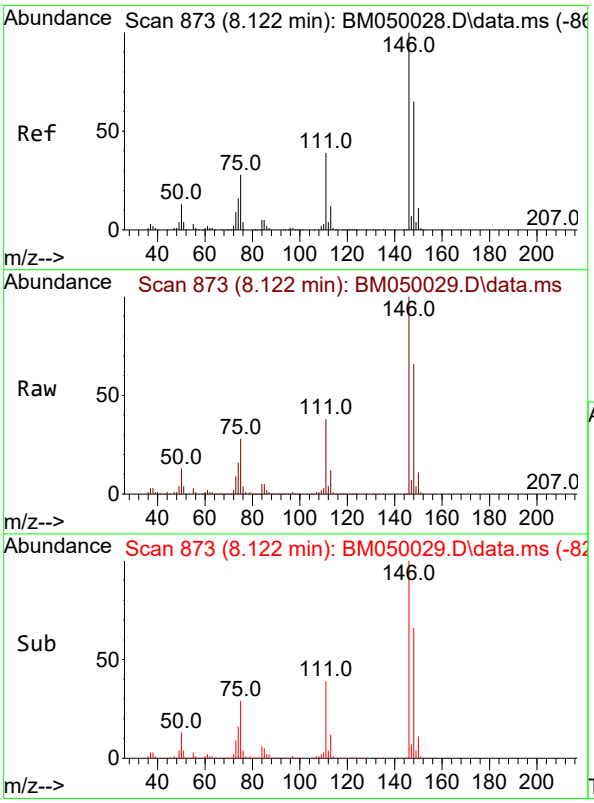
#13
1,4-Dichlorobenzene
Concen: 51.937 ng
RT: 7.804 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 888114

Ion	Ratio	Lower	Upper
146	100		
148	65.2	52.2	78.2
111	36.5	29.3	43.9

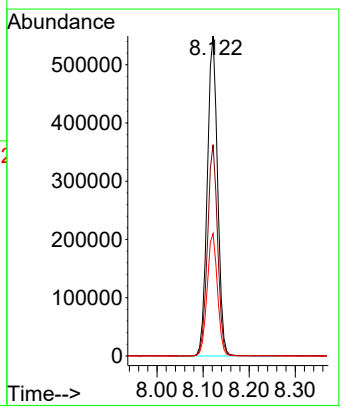


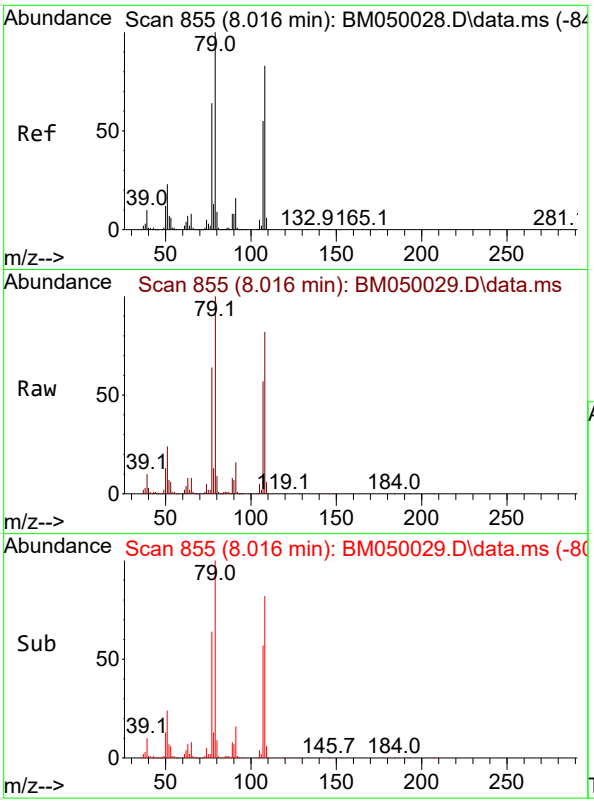


#14
1,2-Dichlorobenzene
Concen: 52.033 ng
RT: 8.122 min Scan# 873
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:146 Resp: 859475

Ion	Ratio	Lower	Upper
146	100		
148	66.1	52.4	78.6
111	38.2	31.0	46.6



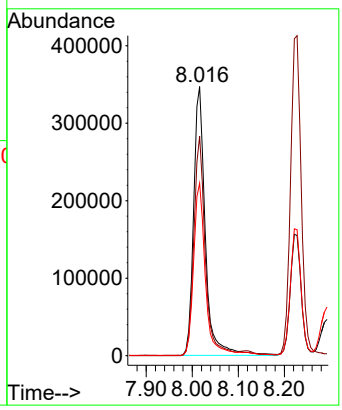


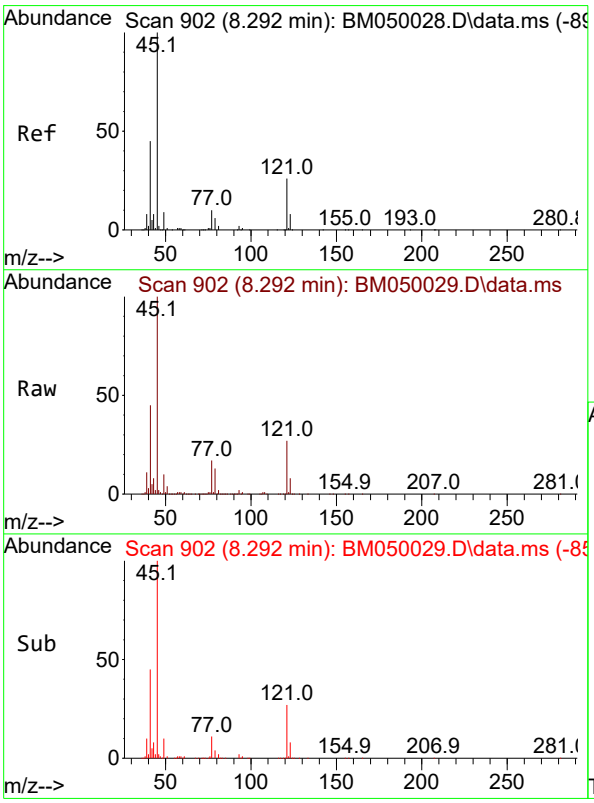
#15
Benzyl Alcohol
Concen: 53.947 ng
RT: 8.016 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 612811

Ion	Ratio	Lower	Upper
79	100		
108	81.6	66.0	99.0
77	64.1	51.6	77.4

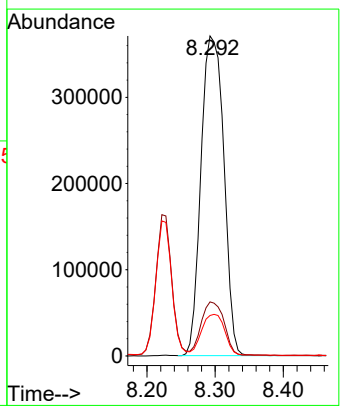


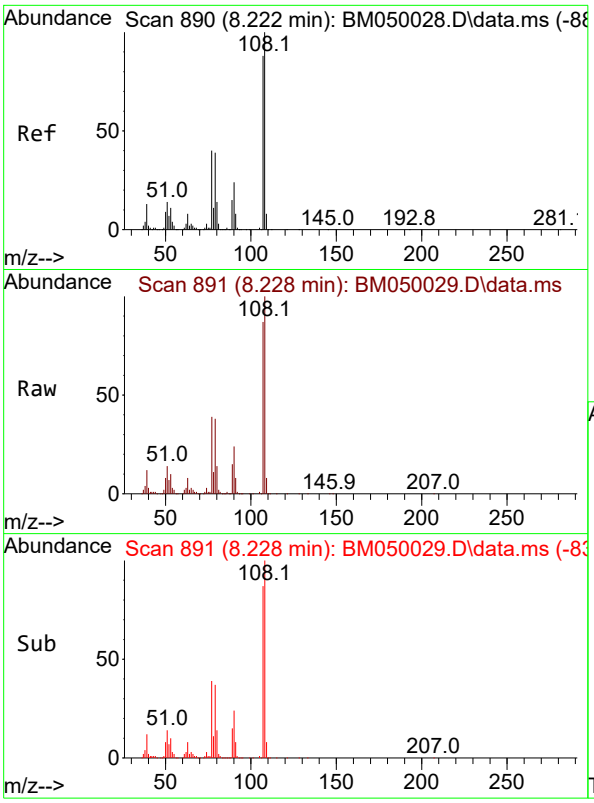


#16
2,2'-oxybis(1-Chloropropane)
Concen: 51.300 ng
RT: 8.292 min Scan# 902
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion: 45 Resp: 863443

Ion	Ratio	Lower	Upper
45	100		
77	16.9	0.0	36.4
79	12.7	0.0	32.7



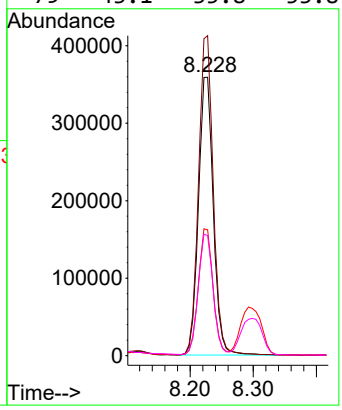


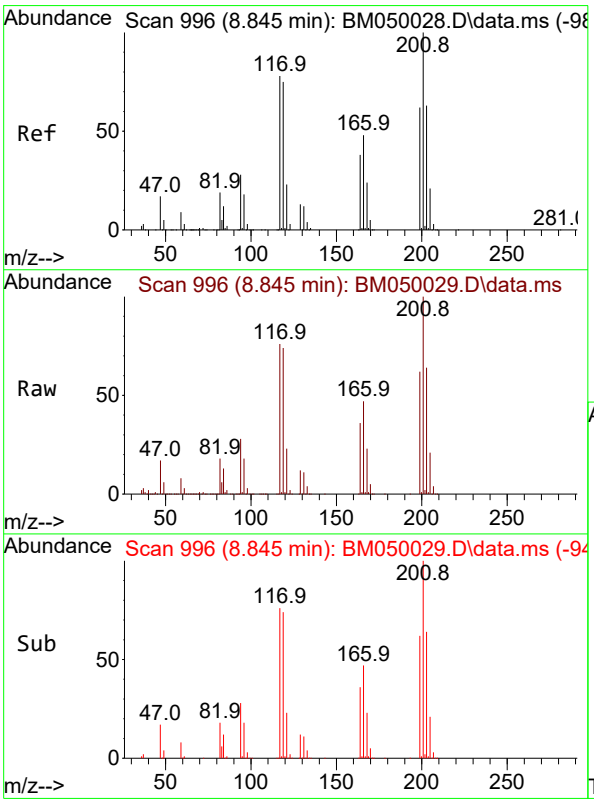
#17
2-Methylphenol
Concen: 53.563 ng
RT: 8.228 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 585120

Ion	Ratio	Lower	Upper
107	100		
108	114.9	91.1	136.7
77	45.2	36.2	54.4
79	43.1	35.8	53.8

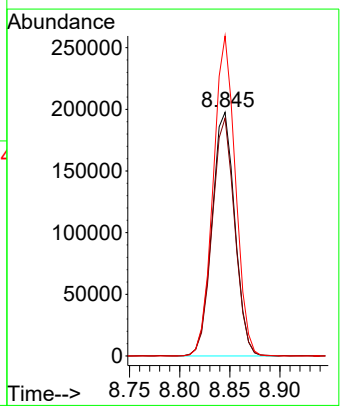


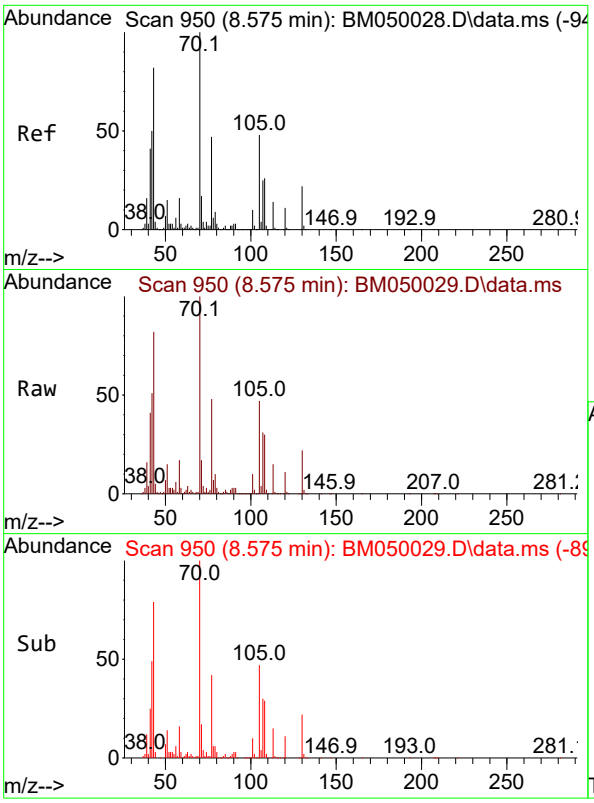


#18
Hexachloroethane
Concen: 51.444 ng
RT: 8.845 min Scan# 996
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:117 Resp: 312710

Ion	Ratio	Lower	Upper
117	100		
119	97.6	77.3	115.9
201	131.4	102.8	154.2



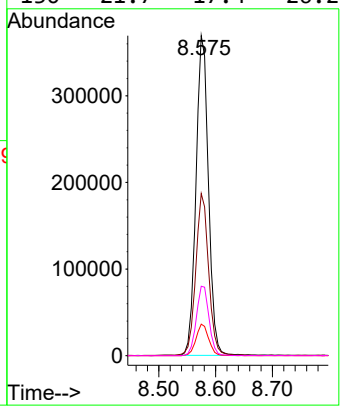


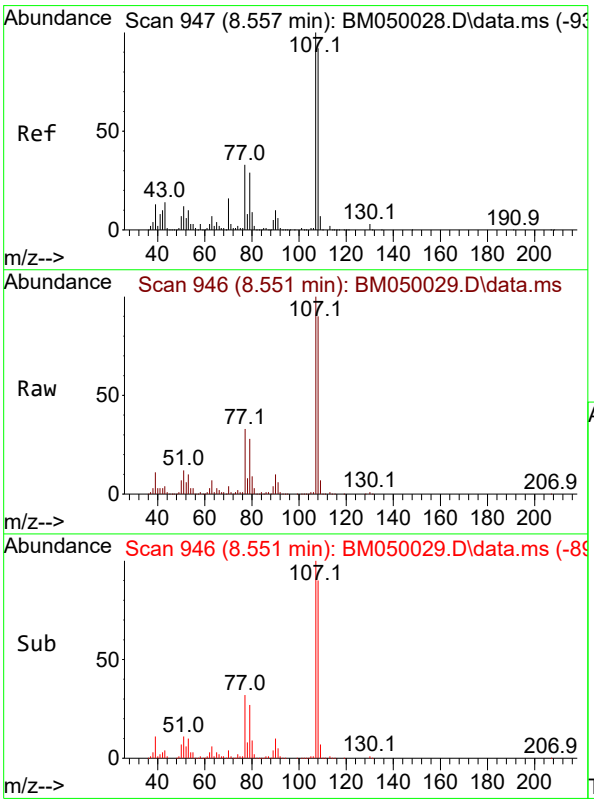
#19
n-Nitroso-di-n-propylamine
Concen: 53.672 ng
RT: 8.575 min Scan# 9
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 563847

Ion	Ratio	Lower	Upper
70	100		
42	50.7	40.5	60.7
101	9.8	7.8	11.6
130	21.7	17.4	26.2

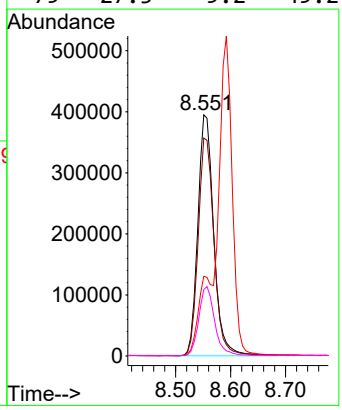


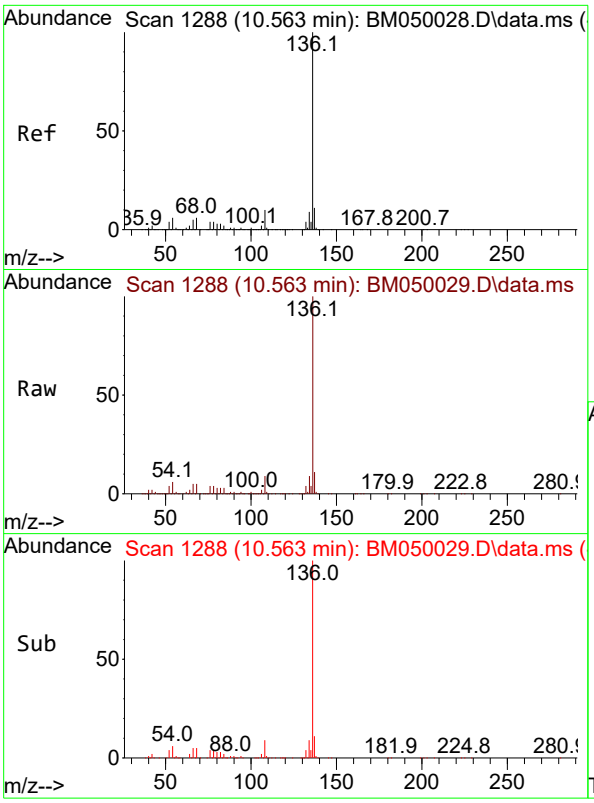


#20
3+4-Methylphenols
Concen: 53.851 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.006 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:107 Resp: 794422

Ion	Ratio	Lower	Upper
107	100		
108	90.4	72.4	112.4
77	33.0	13.6	53.6
79	27.5	9.2	49.2



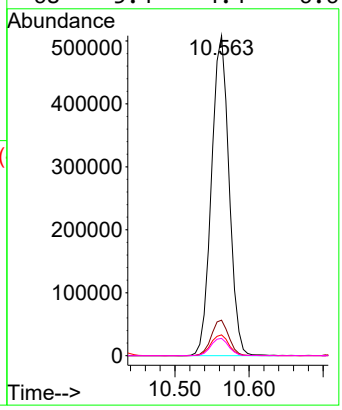


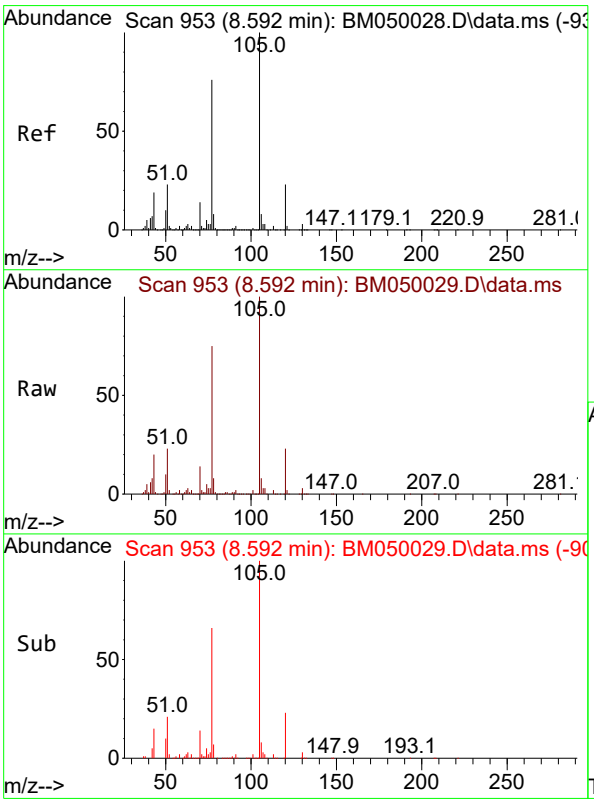
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 837552

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	6.5	5.1	7.7
68	5.4	4.4	6.6

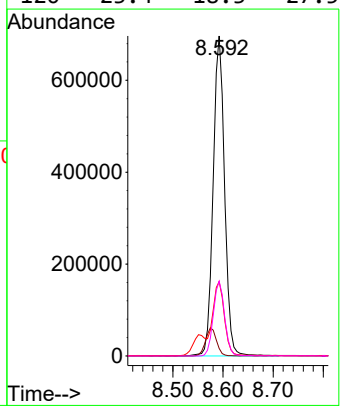


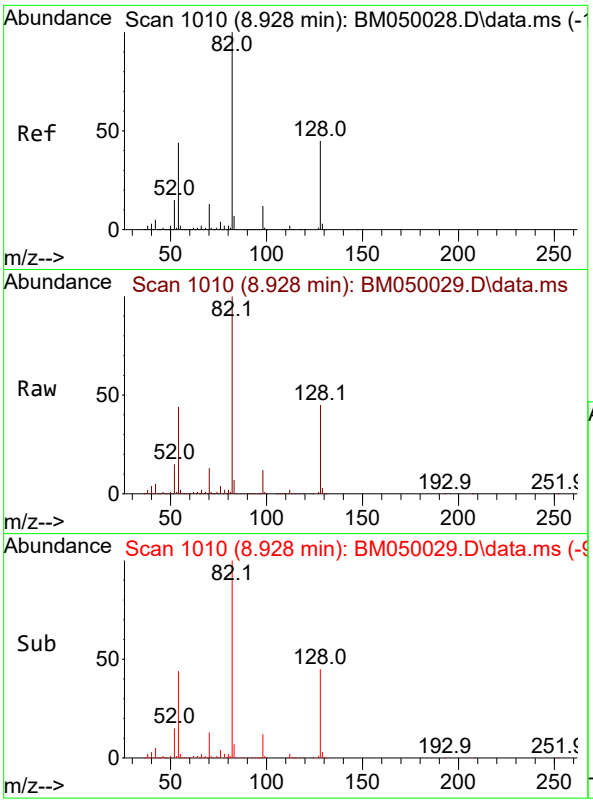


#22
Acetophenone
Concen: 52.827 ng
RT: 8.592 min Scan# 953
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:105 Resp: 1100024

Ion	Ratio	Lower	Upper
105	100		
71	2.3	1.7	2.5
51	23.2	18.6	27.8
120	23.4	18.3	27.5



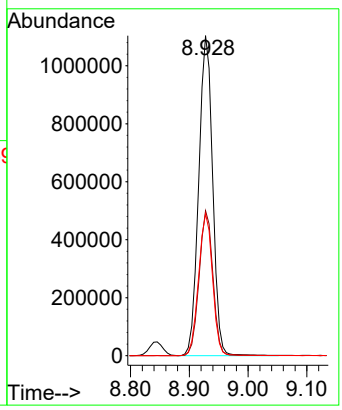


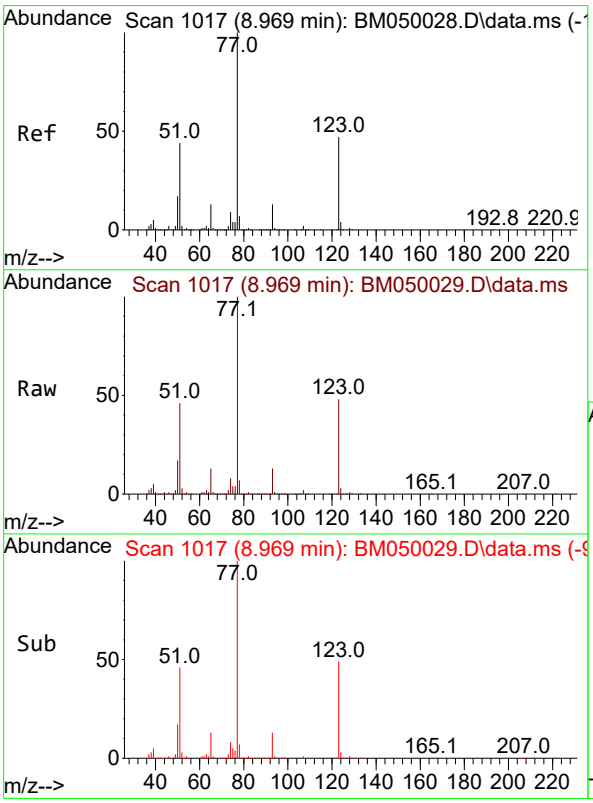
#23
Nitrobenzene-d5
Concen: 106.560 ng
RT: 8.928 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1811208

Ion	Ratio	Lower	Upper
82	100		
128	45.3	35.7	53.5
54	44.3	35.4	53.2

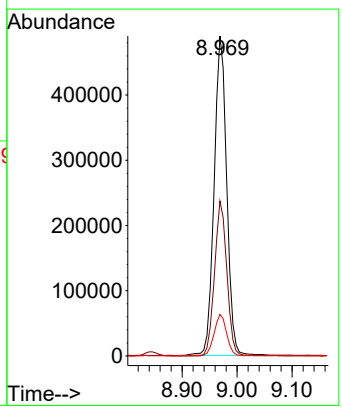


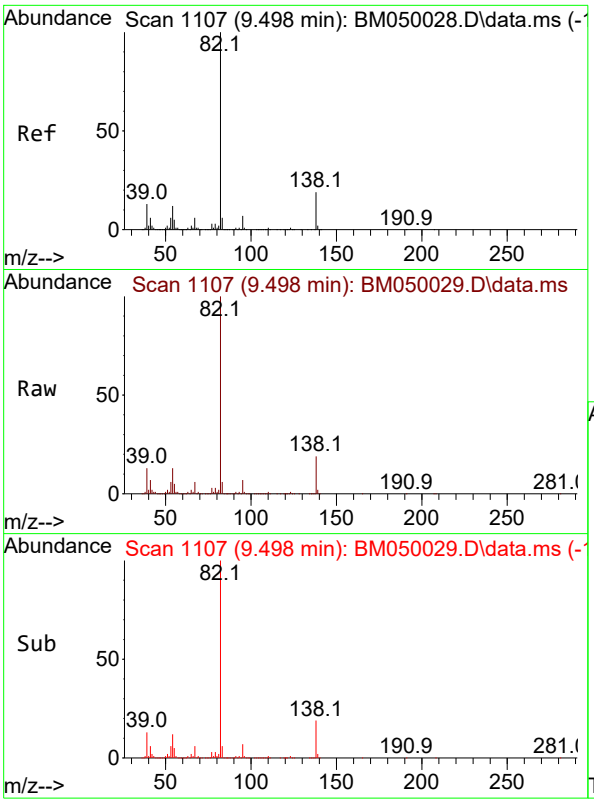


#24
Nitrobenzene
Concen: 53.020 ng
RT: 8.969 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion: 77 Resp: 779215

Ion	Ratio	Lower	Upper
77	100		
123	48.4	37.9	56.9
65	13.0	10.1	15.1



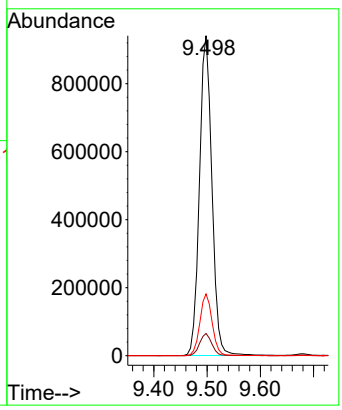


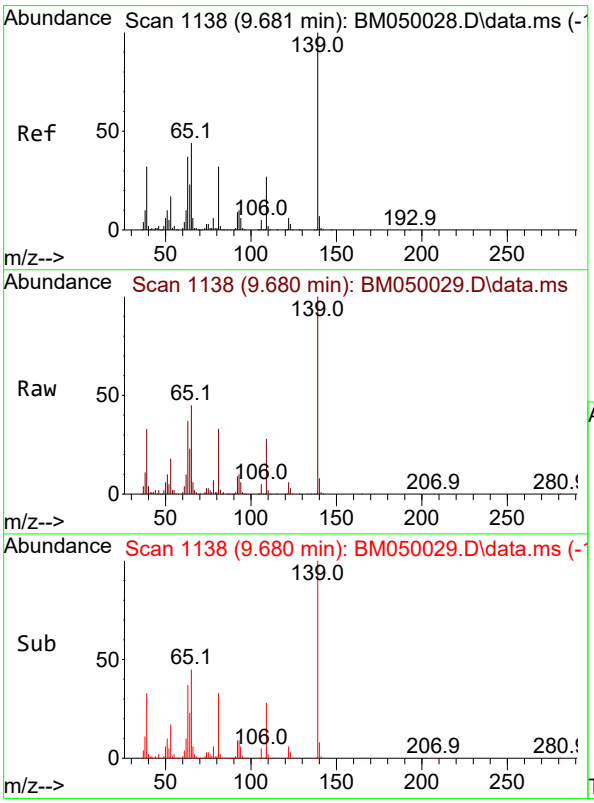
#25
Isophorone
Concen: 52.685 ng
RT: 9.498 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1526436

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.7	8.5
138	19.3	15.5	23.3

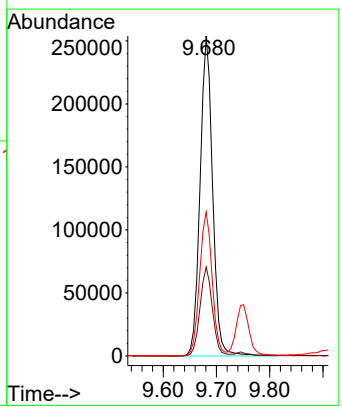


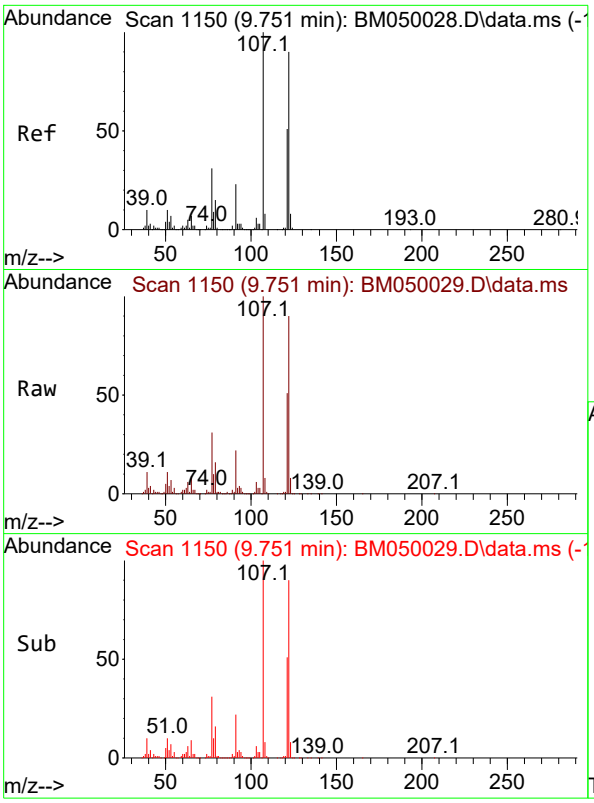


#26
2-Nitrophenol
Concen: 55.315 ng
RT: 9.680 min Scan# 1138
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:139 Resp: 415316

Ion	Ratio	Lower	Upper
139	100		
109	27.8	21.9	32.9
65	45.0	35.4	53.2



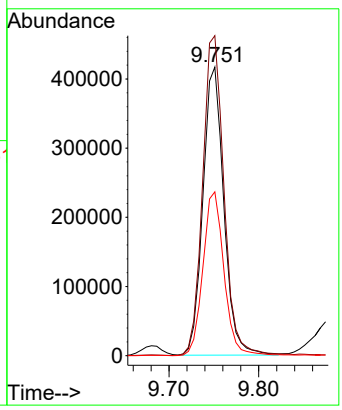


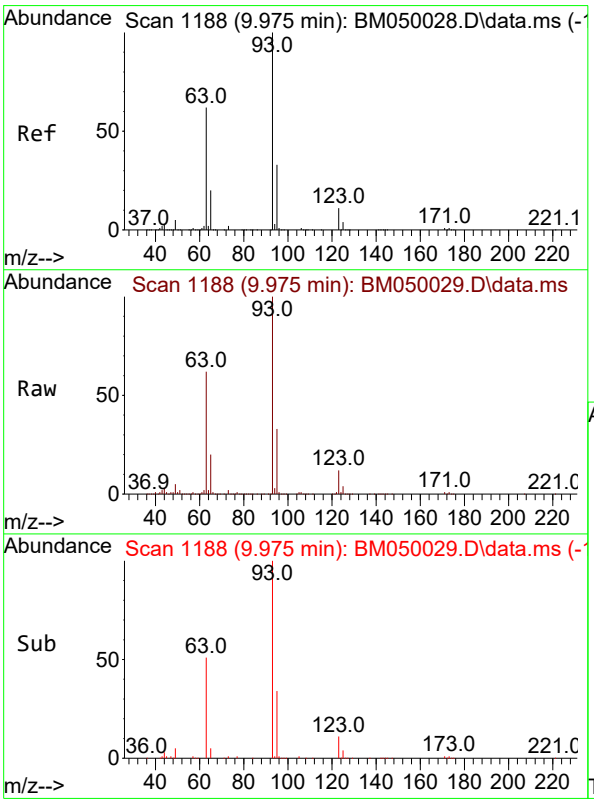
#27
2,4-Dimethylphenol
Concen: 54.175 ng
RT: 9.751 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 674547

Ion	Ratio	Lower	Upper
122	100		
107	110.9	89.0	133.6
121	56.7	45.6	68.4

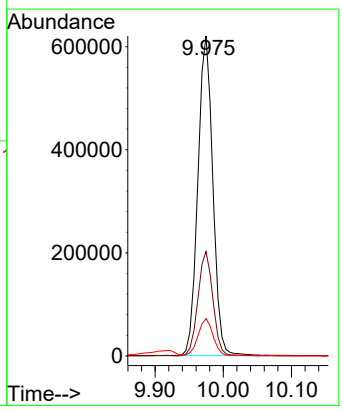


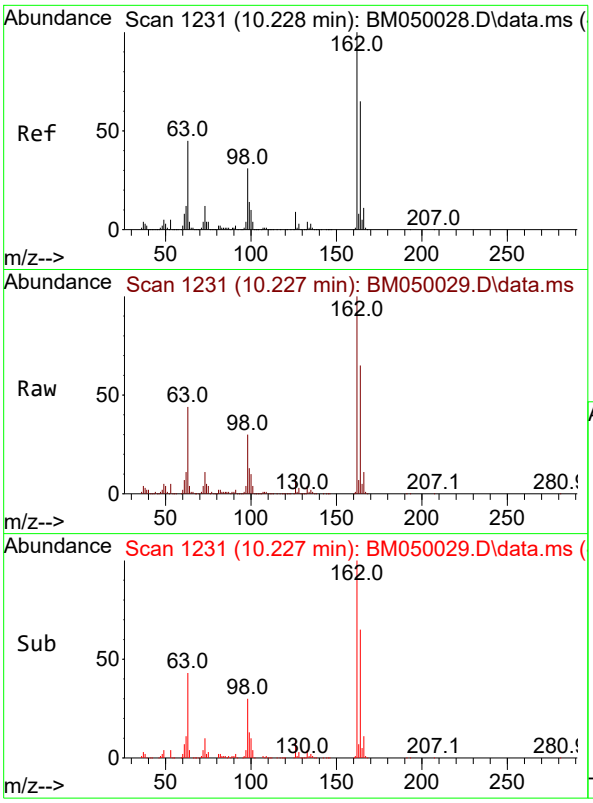


#28
bis(2-Chloroethoxy)methane
Concen: 52.843 ng
RT: 9.975 min Scan# 1188
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion: 93 Resp: 946285

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.1	39.1
123	11.7	9.5	14.3



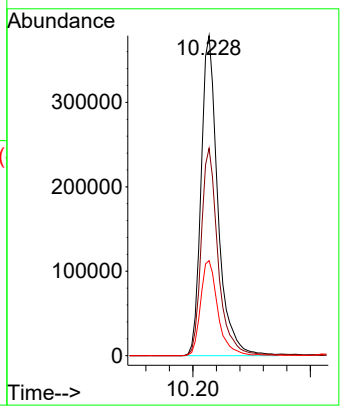


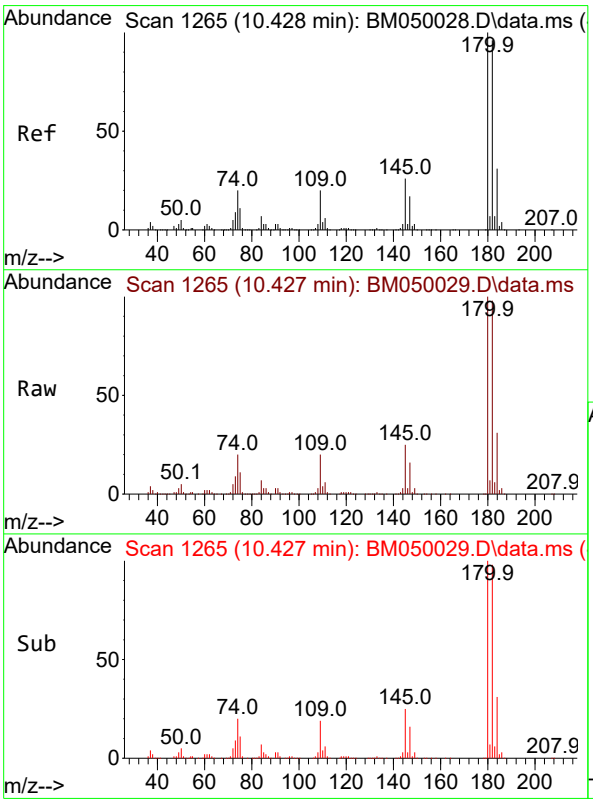
#29
2,4-Dichlorophenol
Concen: 53.847 ng
RT: 10.227 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 751117

Ion	Ratio	Lower	Upper
162	100		
164	64.8	45.4	85.4
98	29.7	11.3	51.3

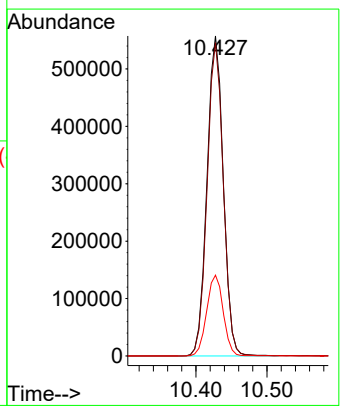


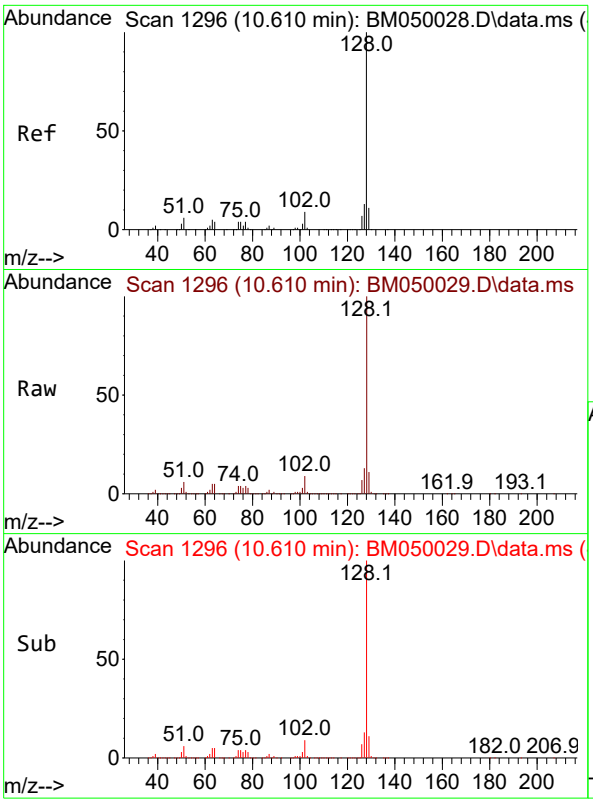


#30
1,2,4-Trichlorobenzene
Concen: 52.457 ng
RT: 10.427 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:180 Resp: 891501

Ion	Ratio	Lower	Upper
180	100		
182	97.9	77.0	115.4
145	25.3	20.6	30.8



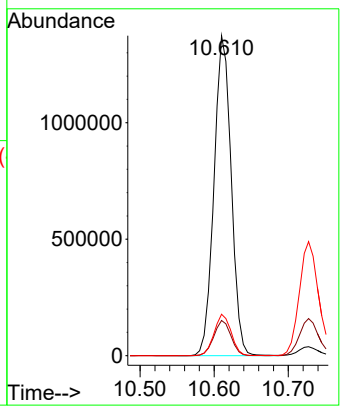


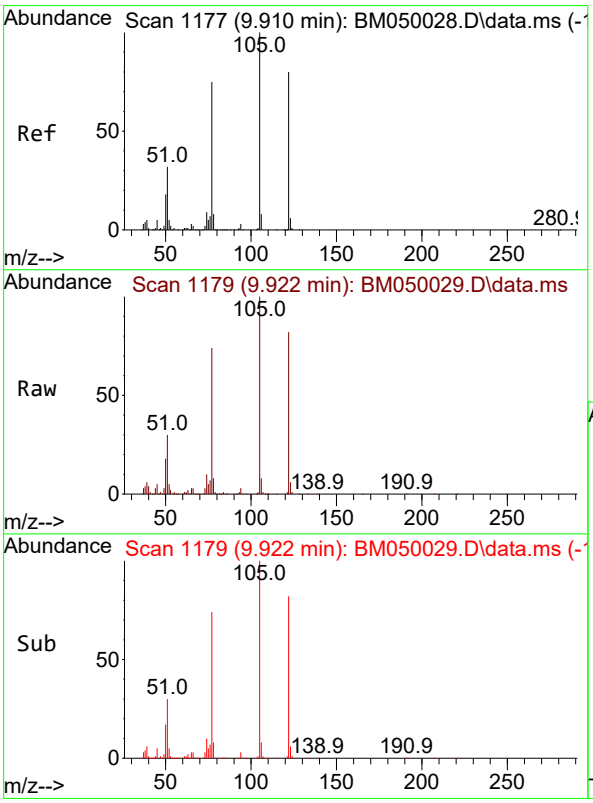
#31
Naphthalene
Concen: 52.198 ng
RT: 10.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 2214025

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.0	10.4	15.6

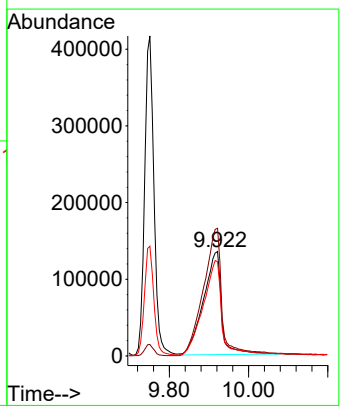


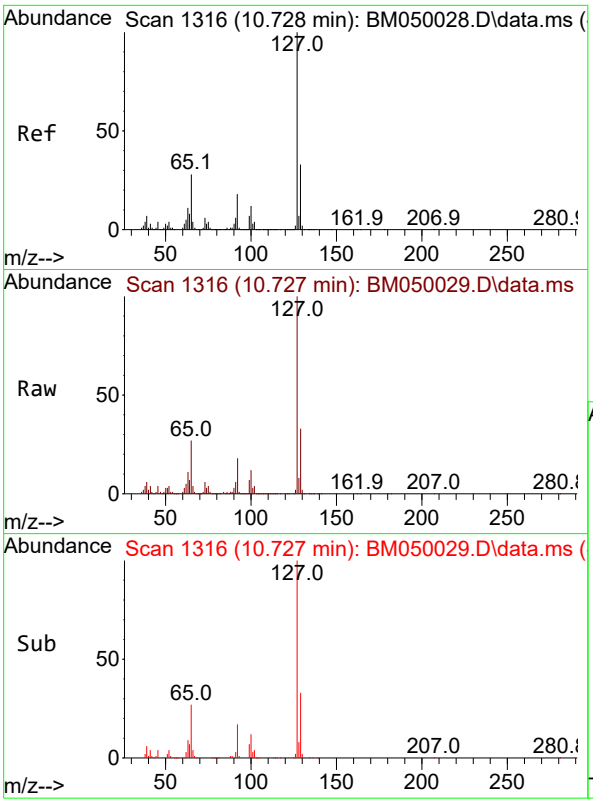


#32
Benzoic acid
Concen: 54.343 ng
RT: 9.922 min Scan# 1179
Delta R.T. 0.012 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:122 Resp: 431557

Ion	Ratio	Lower	Upper
122	100		
105	122.2	103.6	143.6
77	90.1	73.7	113.7



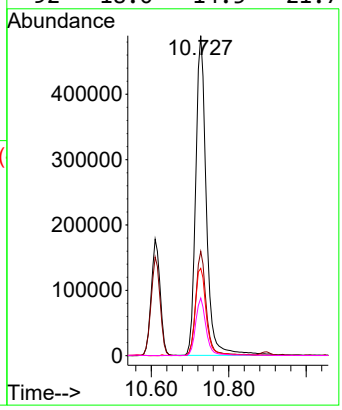


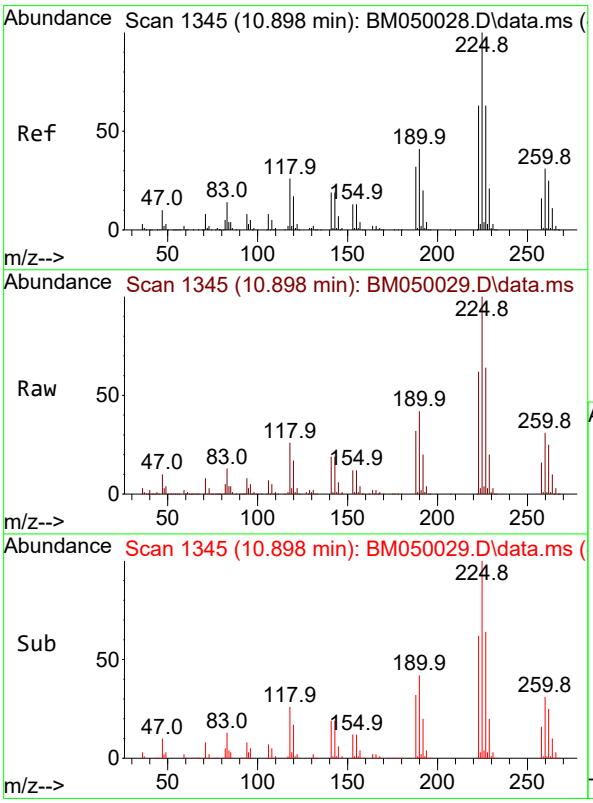
#33
4-Chloroaniline
Concen: 53.913 ng
RT: 10.727 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 937309

Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.3	39.5
65	27.3	22.5	33.7
92	18.0	14.5	21.7

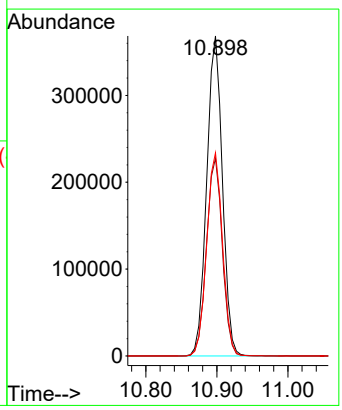


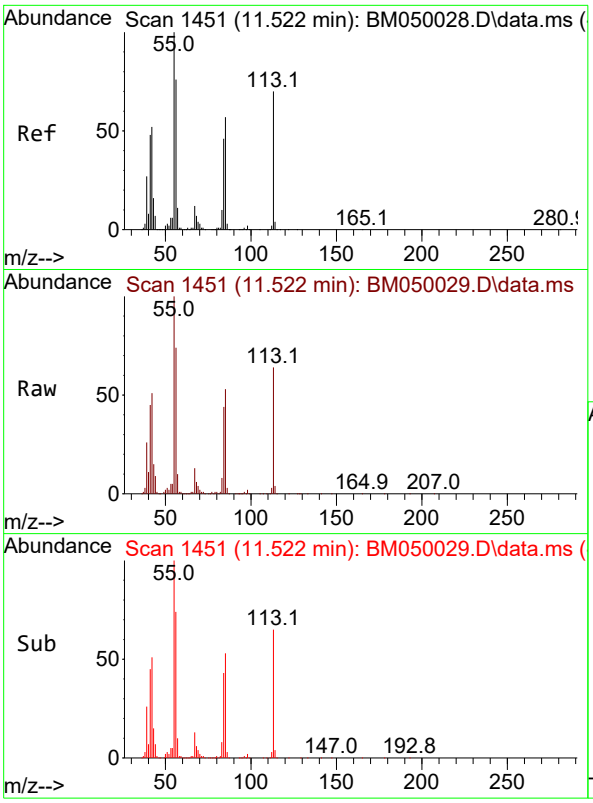


#34
Hexachlorobutadiene
Concen: 52.471 ng
RT: 10.898 min Scan# 1345
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:225 Resp: 566049

Ion	Ratio	Lower	Upper
225	100		
223	61.8	50.2	75.2
227	63.5	50.6	76.0



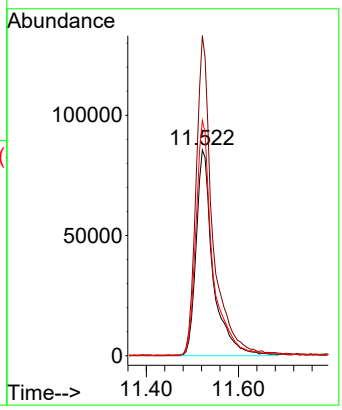


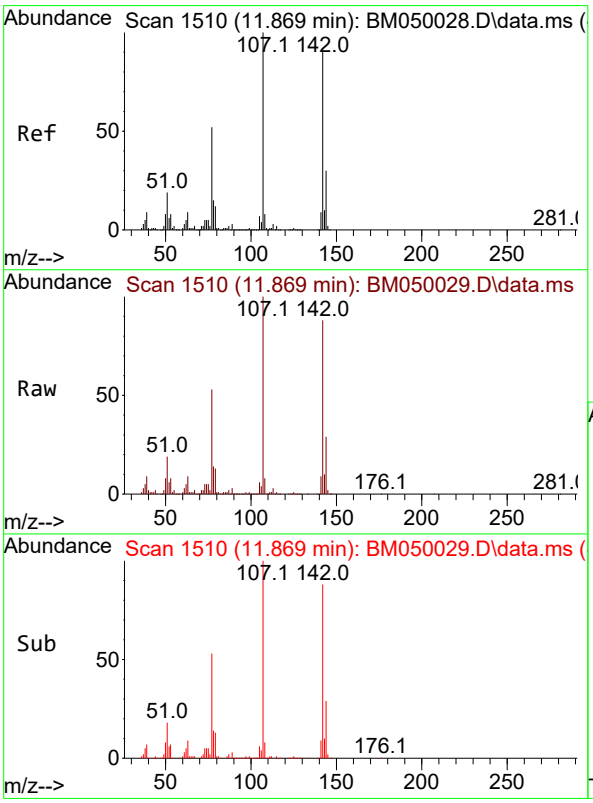
#35
Caprolactam
Concen: 53.741 ng
RT: 11.522 min Scan# 14
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 218572

Ion	Ratio	Lower	Upper
113	100		
55	155.5	122.9	162.9
56	114.3	88.1	128.1

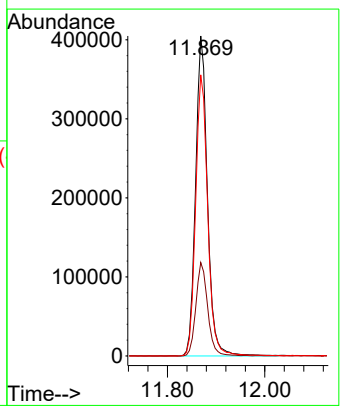


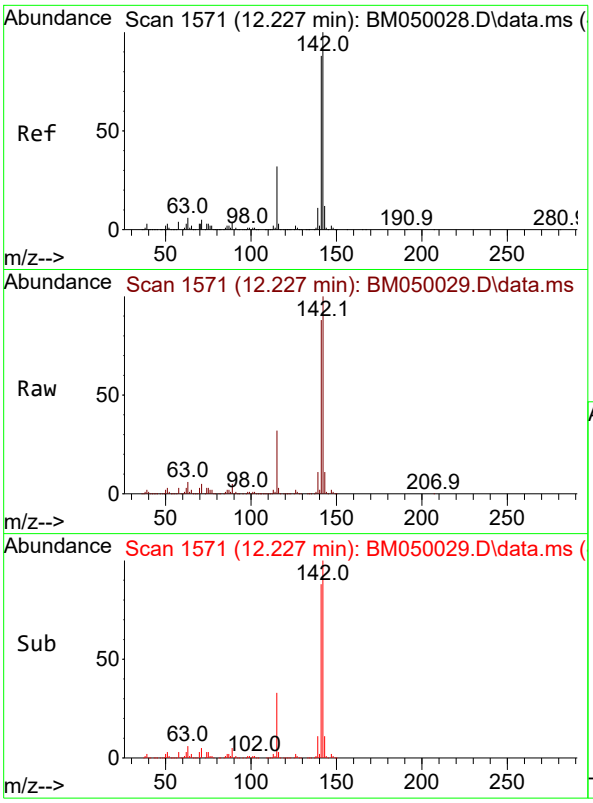


#36
4-Chloro-3-methylphenol
Concen: 53.394 ng
RT: 11.869 min Scan# 1510
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:107 Resp: 688099

Ion	Ratio	Lower	Upper
107	100		
144	29.2	23.8	35.6
142	87.9	71.9	107.9



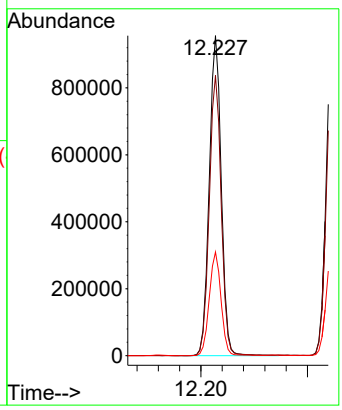


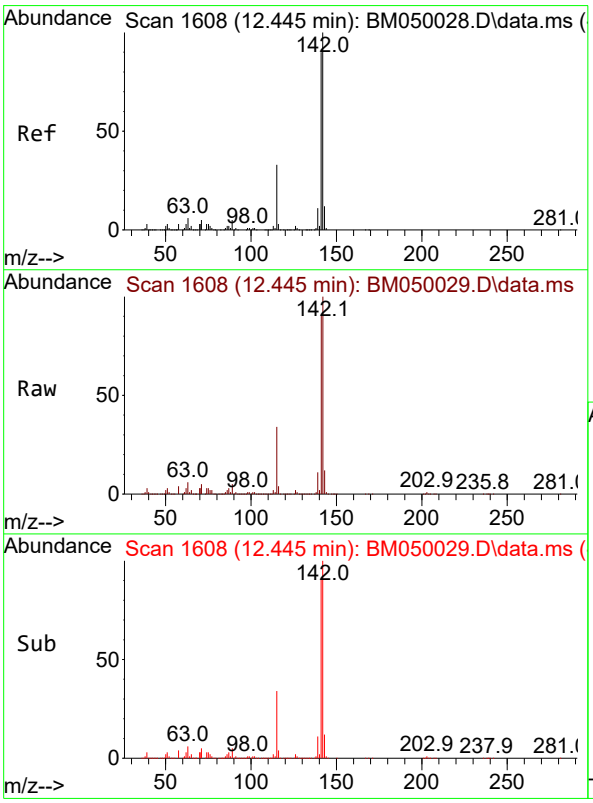
#37
2-Methylnaphthalene
Concen: 52.548 ng
RT: 12.227 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 1494348

Ion	Ratio	Lower	Upper
142	100		
141	87.5	70.4	105.6
115	32.4	25.4	38.2

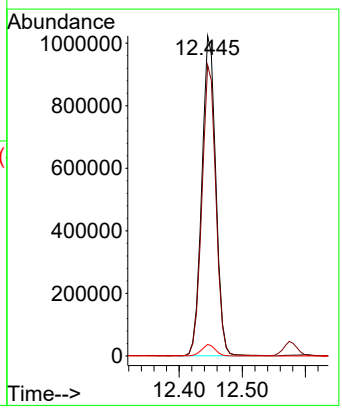


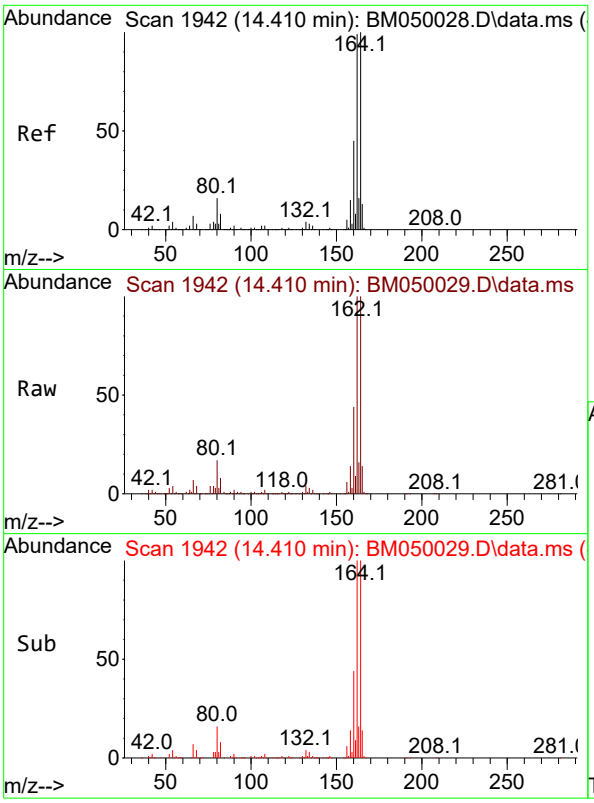


#38
1-Methylnaphthalene
Concen: 52.243 ng
RT: 12.445 min Scan# 1608
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:142 Resp: 1572248

Ion	Ratio	Lower	Upper
142	100		
141	90.9	72.1	108.1
116	3.6	2.7	4.1



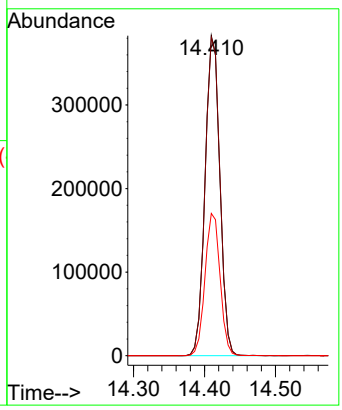


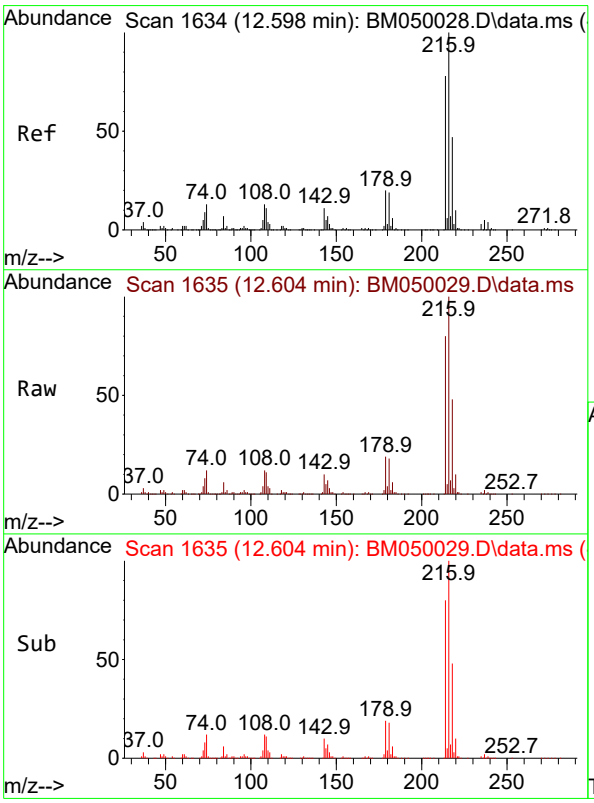
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 554448

Ion	Ratio	Lower	Upper
164	100		
162	99.5	79.4	119.0
160	44.4	36.2	54.4

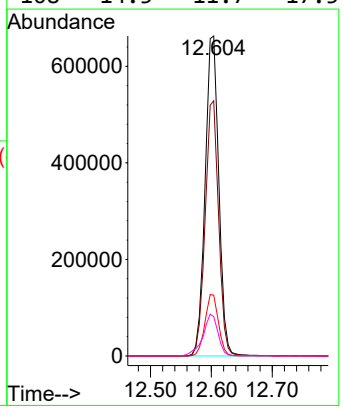


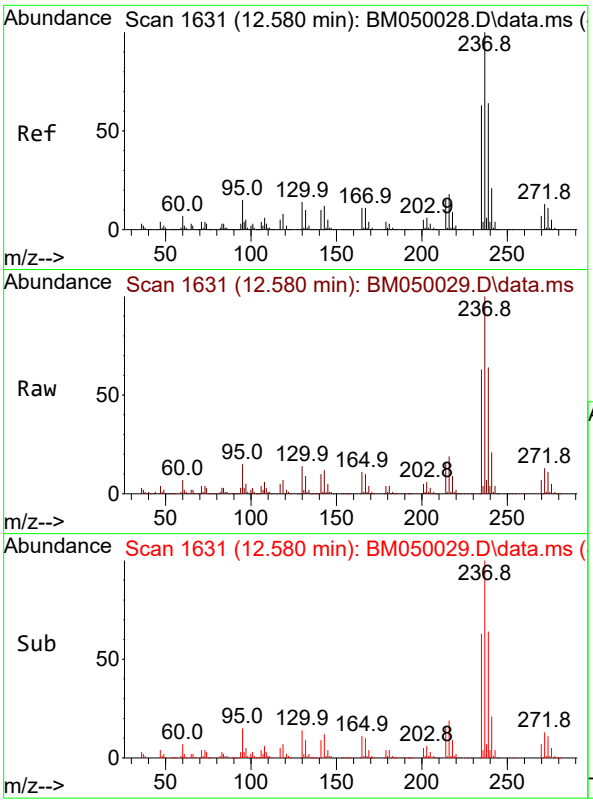


#40
1,2,4,5-Tetrachlorobenzene
Concen: 53.822 ng
RT: 12.604 min Scan# 1635
Delta R.T. 0.006 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:216 Resp: 1033027

Ion	Ratio	Lower	Upper
216	100		
214	78.6	62.3	93.5
179	19.1	15.4	23.0
108	14.5	11.7	17.5



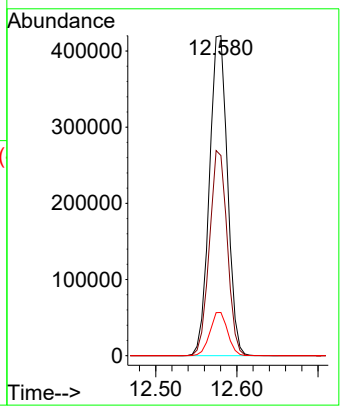


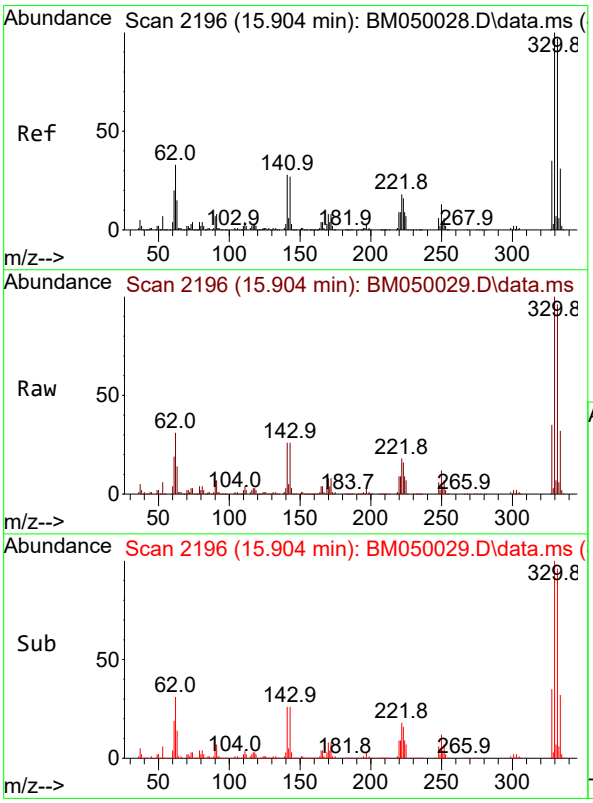
#41
Hexachlorocyclopentadiene
Concen: 55.336 ng
RT: 12.580 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 649060

Ion	Ratio	Lower	Upper
237	100		
235	62.6	42.9	82.9
272	13.5	0.0	32.9

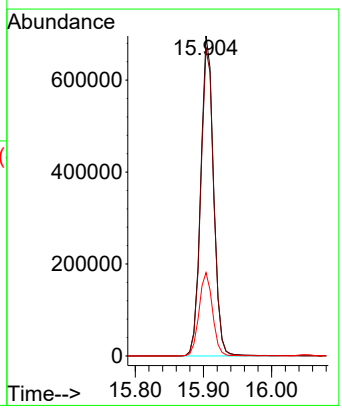


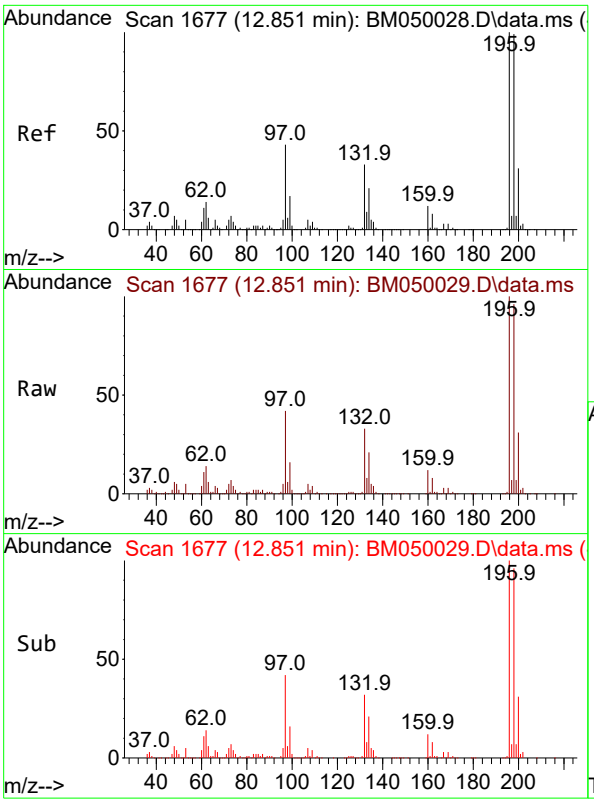


#42
2,4,6-Tribromophenol
Concen: 111.203 ng
RT: 15.904 min Scan# 2196
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:330 Resp: 911669

Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.3	115.9
141	27.3	22.5	33.7



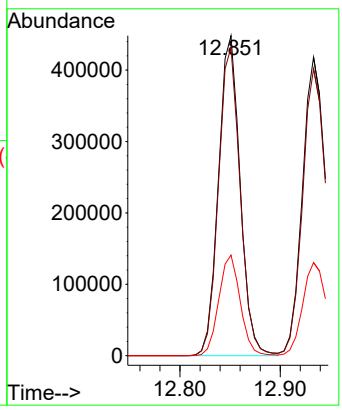


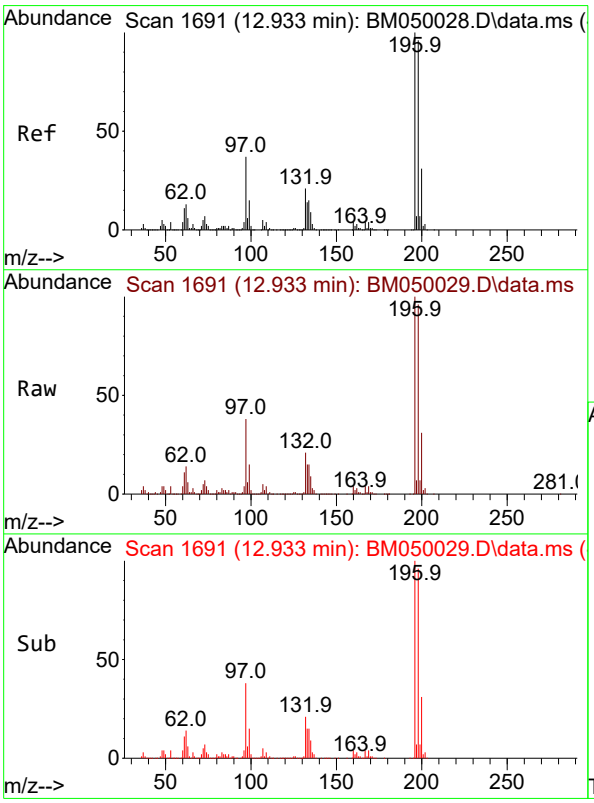
#43
2,4,6-Trichlorophenol
Concen: 55.275 ng
RT: 12.851 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 672901

Ion	Ratio	Lower	Upper
196	100		
198	96.4	79.0	118.6
200	31.4	25.1	37.7

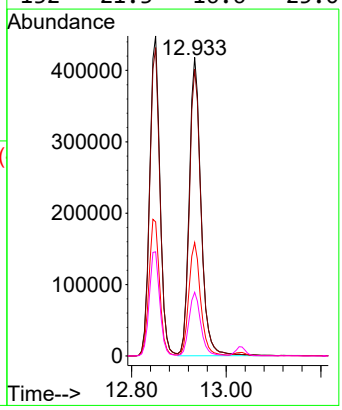


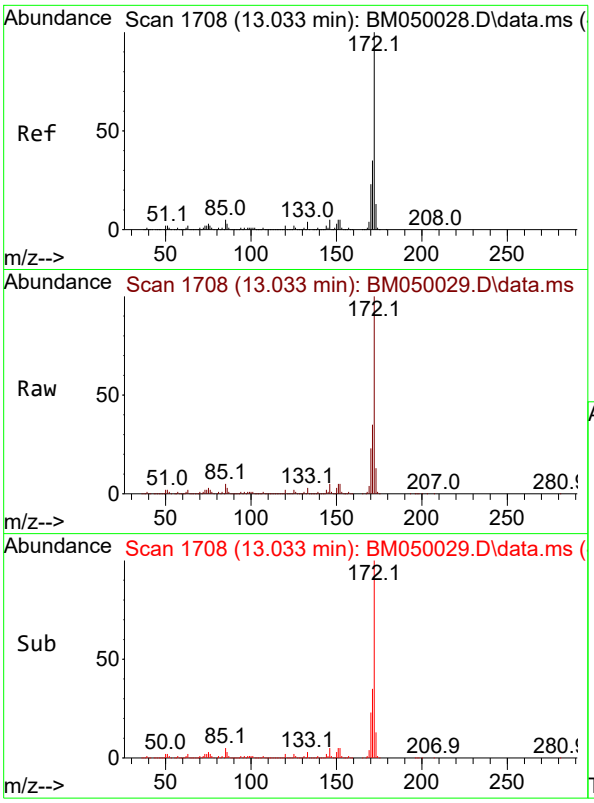


#44
2,4,5-Trichlorophenol
Concen: 54.841 ng
RT: 12.933 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:196 Resp: 719930

Ion	Ratio	Lower	Upper
196	100		
198	96.1	76.7	115.1
97	37.9	30.1	45.1
132	21.3	16.6	25.0



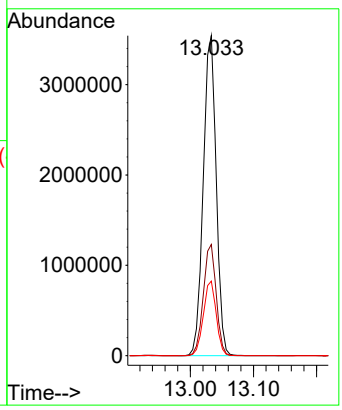


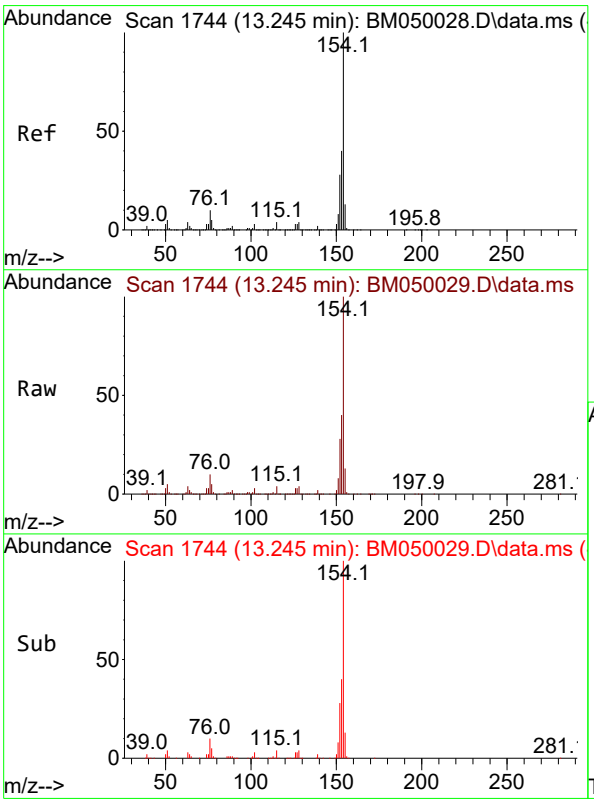
#45
2-Fluorobiphenyl
Concen: 107.775 ng
RT: 13.033 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 5051261

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.8	41.6
170	23.3	18.6	28.0

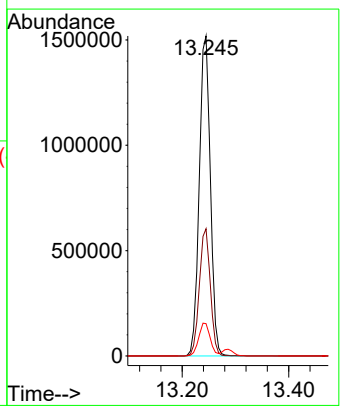


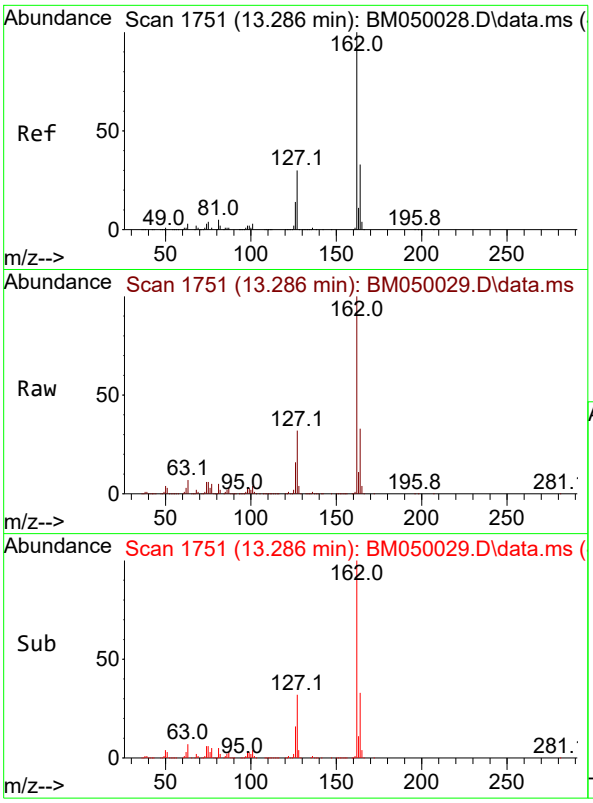


#46
1,1'-Biphenyl
Concen: 53.185 ng
RT: 13.245 min Scan# 1744
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:154 Resp: 2191996

Ion	Ratio	Lower	Upper
154	100		
153	39.7	20.0	60.0
76	10.1	0.0	30.3



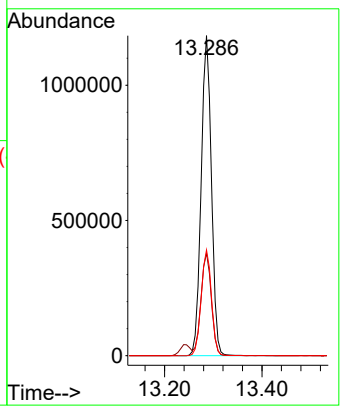


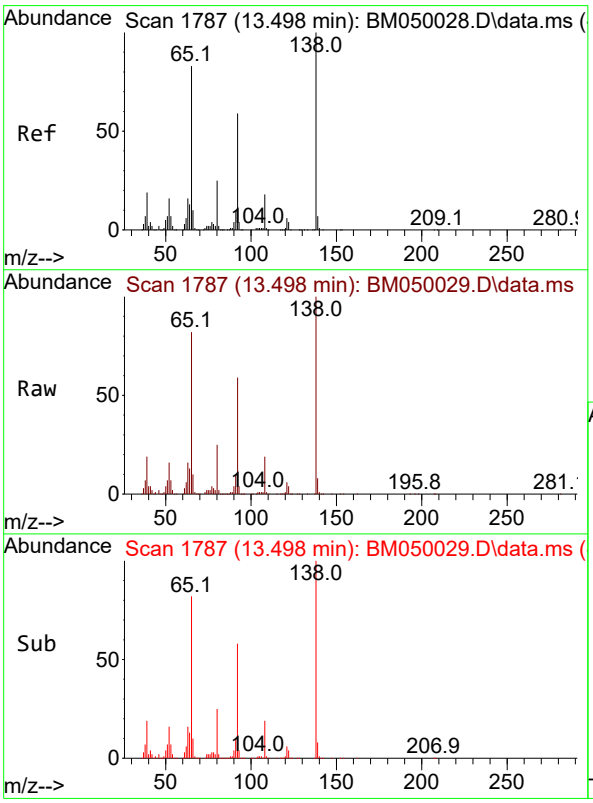
#47
2-Chloronaphthalene
Concen: 52.989 ng
RT: 13.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 1729678

Ion	Ratio	Lower	Upper
162	100		
127	32.1	25.9	38.9
164	33.1	26.6	40.0

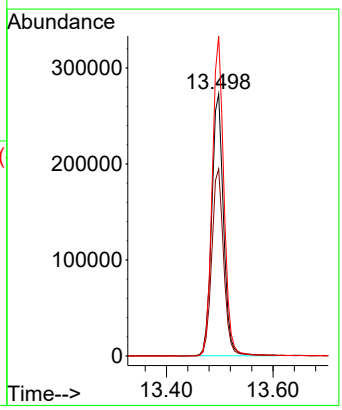


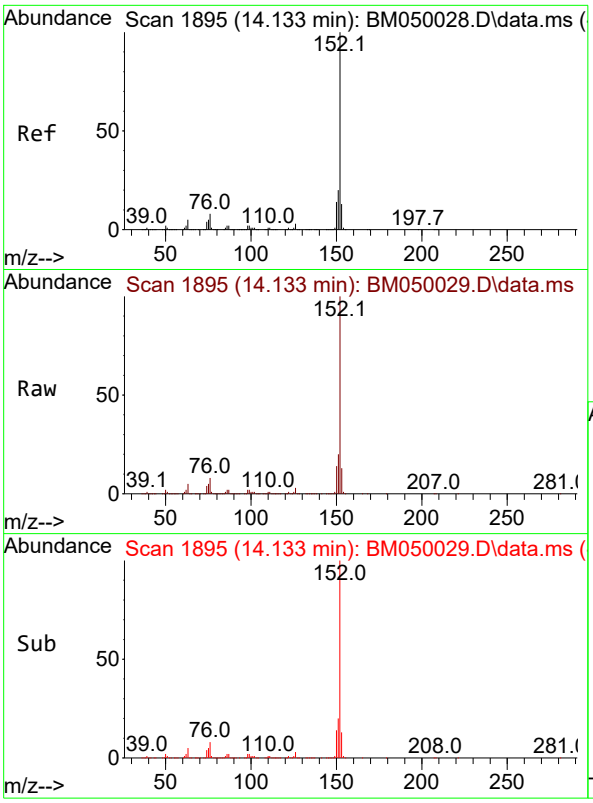


#48
2-Nitroaniline
Concen: 55.016 ng
RT: 13.498 min Scan# 1787
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion: 65 Resp: 421489

Ion	Ratio	Lower	Upper
65	100		
92	71.5	57.1	85.7
138	122.2	97.0	145.4



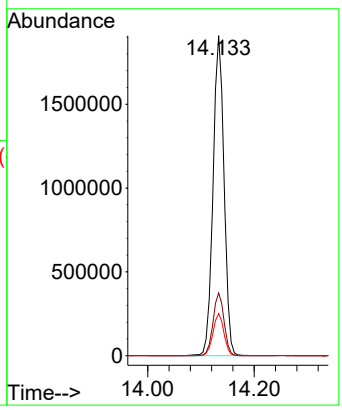


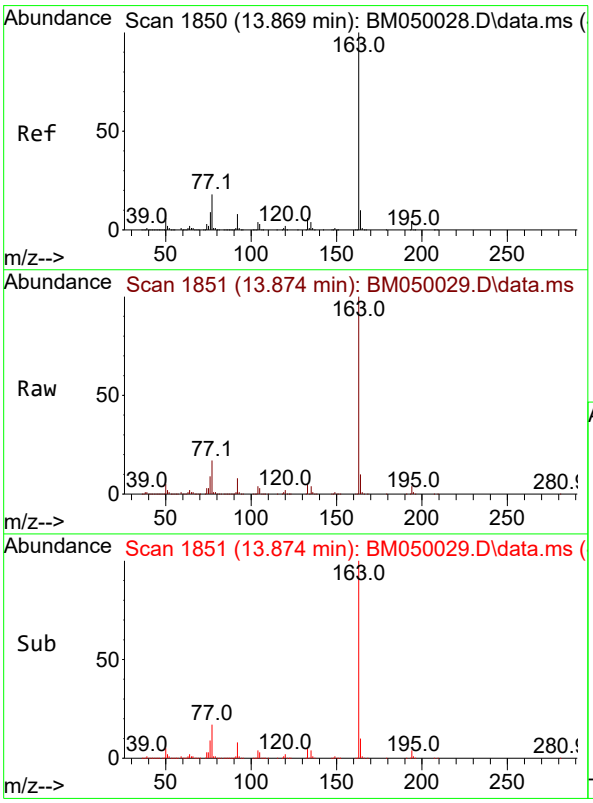
#49
Acenaphthylene
Concen: 53.082 ng
RT: 14.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 2731966

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.8
153	13.1	10.6	15.8

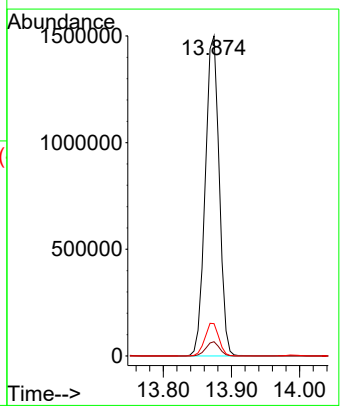


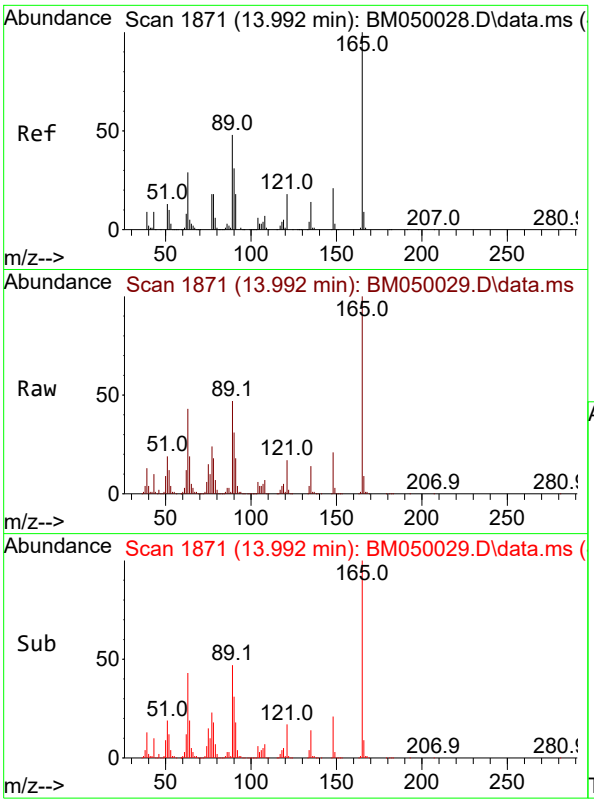


#50
Dimethylphthalate
Concen: 52.770 ng
RT: 13.874 min Scan# 1851
Delta R.T. 0.006 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:163 Resp: 2138242

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	10.1	8.2	12.2



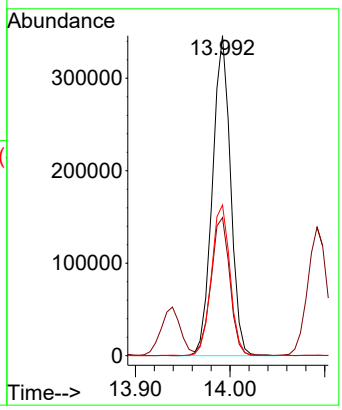


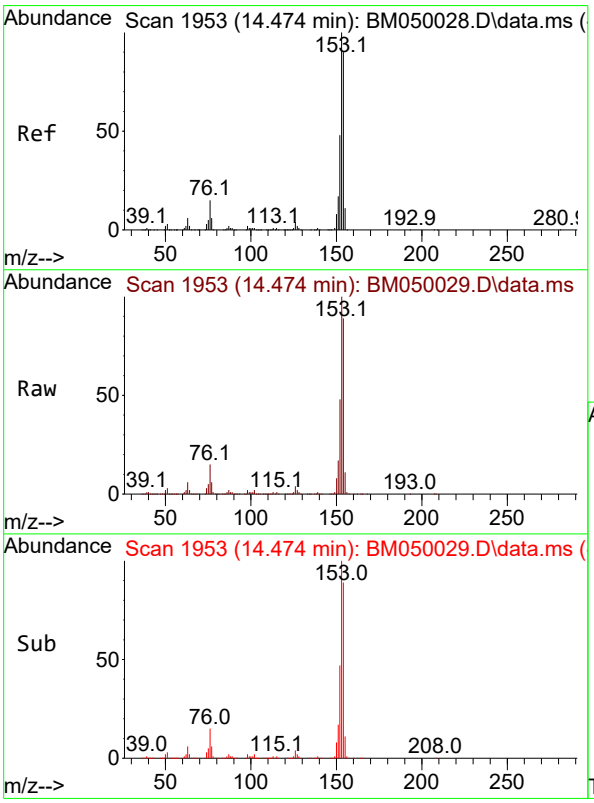
#51
2,6-Dinitrotoluene
Concen: 54.650 ng
RT: 13.992 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 458476

Ion	Ratio	Lower	Upper
165	100		
63	43.1	35.1	52.7
89	47.1	38.4	57.6

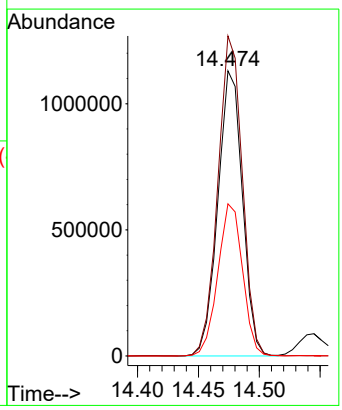


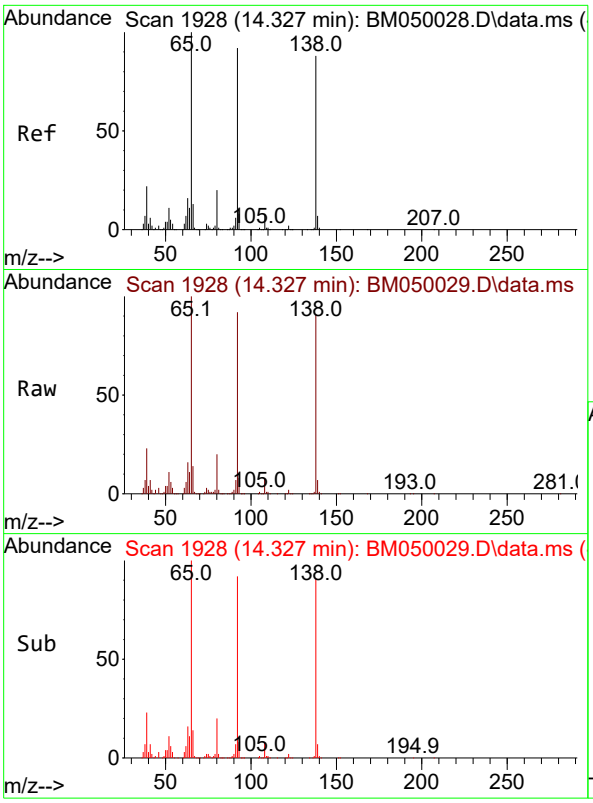


#52
Acenaphthene
Concen: 53.287 ng
RT: 14.474 min Scan# 1953
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:154 Resp: 1587472

Ion	Ratio	Lower	Upper
154	100		
153	112.2	89.0	133.4
152	53.4	43.0	64.6



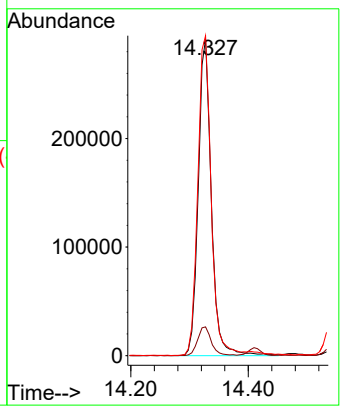


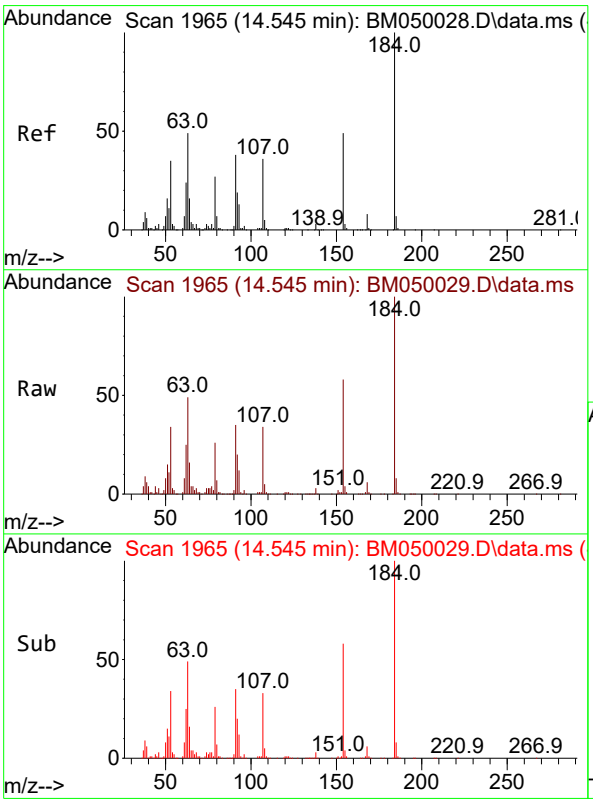
#53
3-Nitroaniline
Concen: 56.186 ng
RT: 14.327 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 450021

Ion	Ratio	Lower	Upper
138	100		
108	9.1	7.4	11.2
92	101.0	84.0	126.0

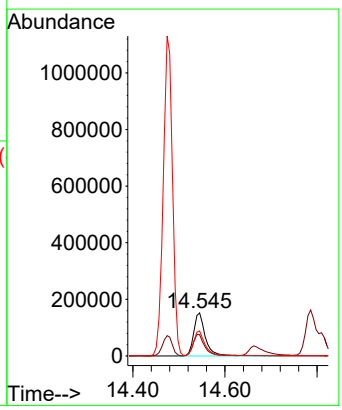


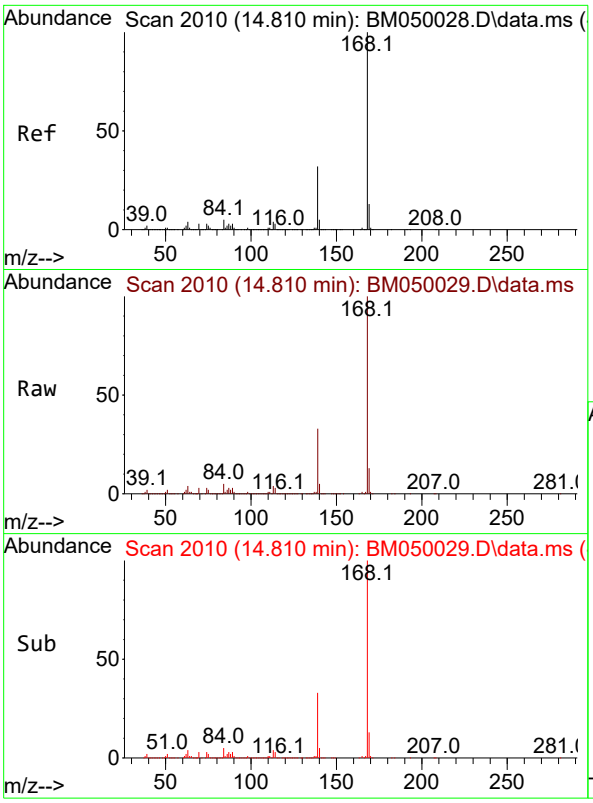


#54
2,4-Dinitrophenol
Concen: 52.338 ng
RT: 14.545 min Scan# 1965
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:184 Resp: 269515

Ion	Ratio	Lower	Upper
184	100		
63	49.3	39.8	59.6
154	58.0	46.1	69.1



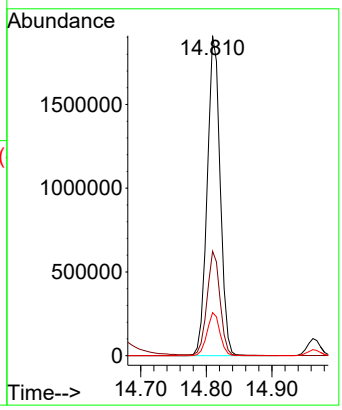


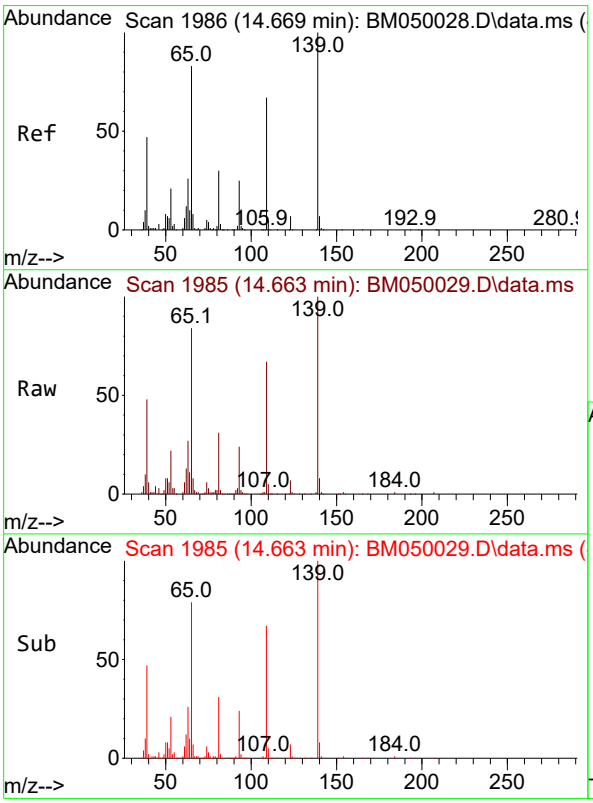
#55
Dibenzofuran
Concen: 52.809 ng
RT: 14.810 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 2617489

Ion	Ratio	Lower	Upper
168	100		
139	32.6	26.1	39.1
169	13.5	10.8	16.2

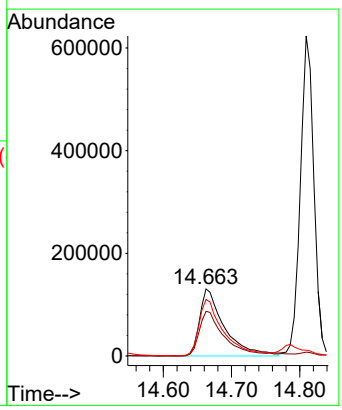


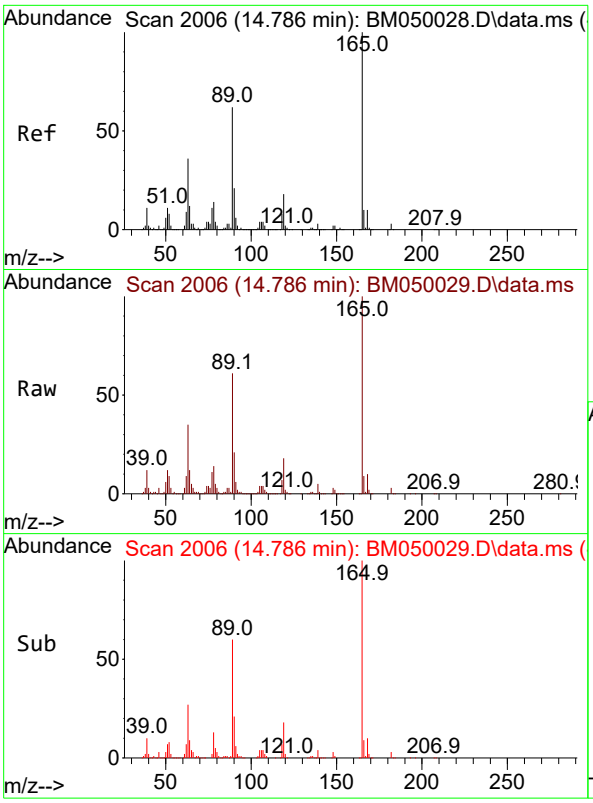


#56
4-Nitrophenol
Concen: 52.029 ng
RT: 14.663 min Scan# 1985
Delta R.T. -0.007 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:139 Resp: 328078

Ion	Ratio	Lower	Upper
139	100		
109	66.7	47.0	87.0
65	84.3	64.3	104.3



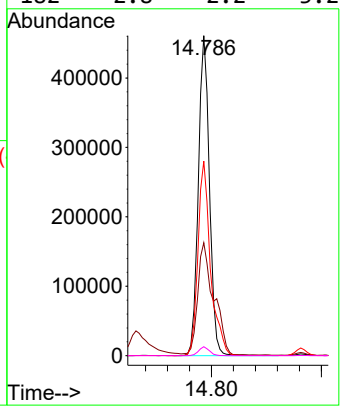


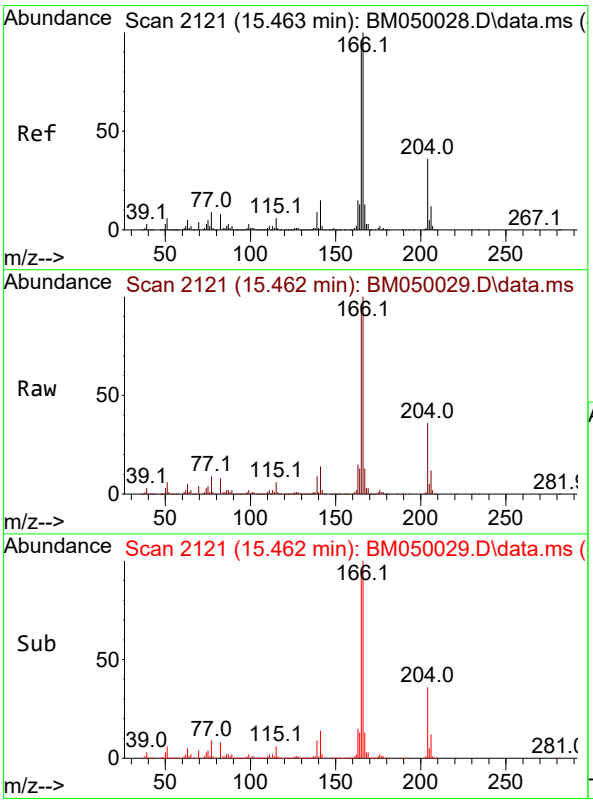
#57
2,4-Dinitrotoluene
Concen: 55.921 ng
RT: 14.786 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 648262

Ion	Ratio	Lower	Upper
165	100		
63	35.3	29.0	43.6
89	60.8	49.4	74.2
182	2.8	2.2	3.2

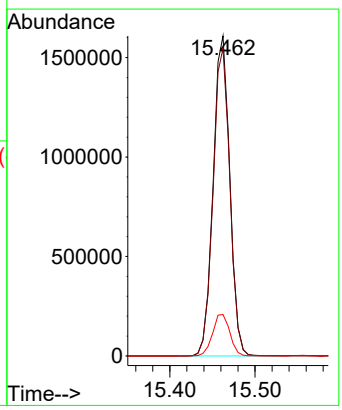


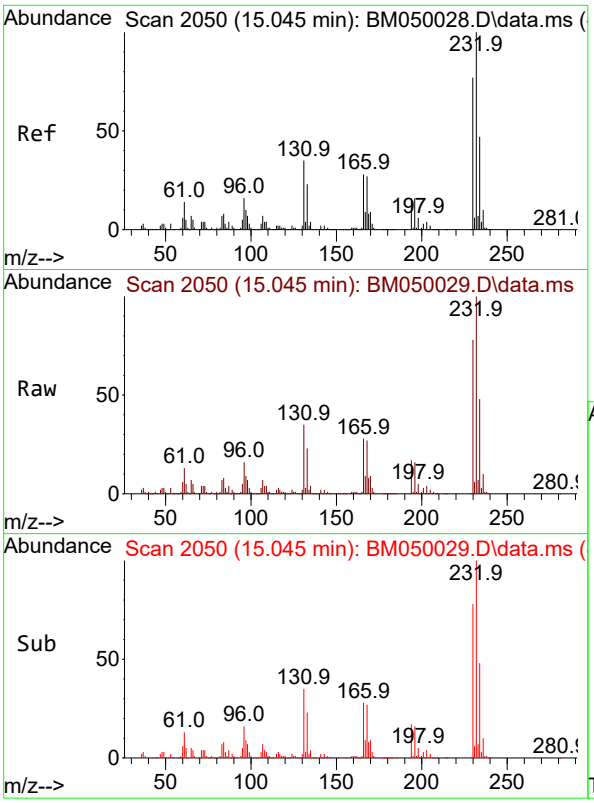


#58
Fluorene
Concen: 53.740 ng
RT: 15.462 min Scan# 2121
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:166 Resp: 2180247

Ion	Ratio	Lower	Upper
166	100		
165	96.1	76.6	115.0
167	13.0	10.6	16.0



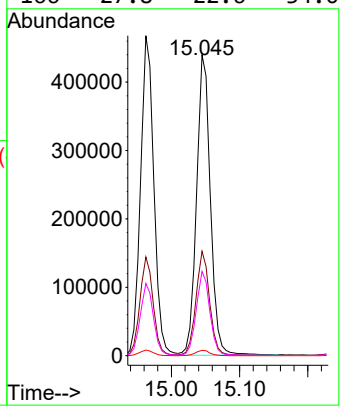


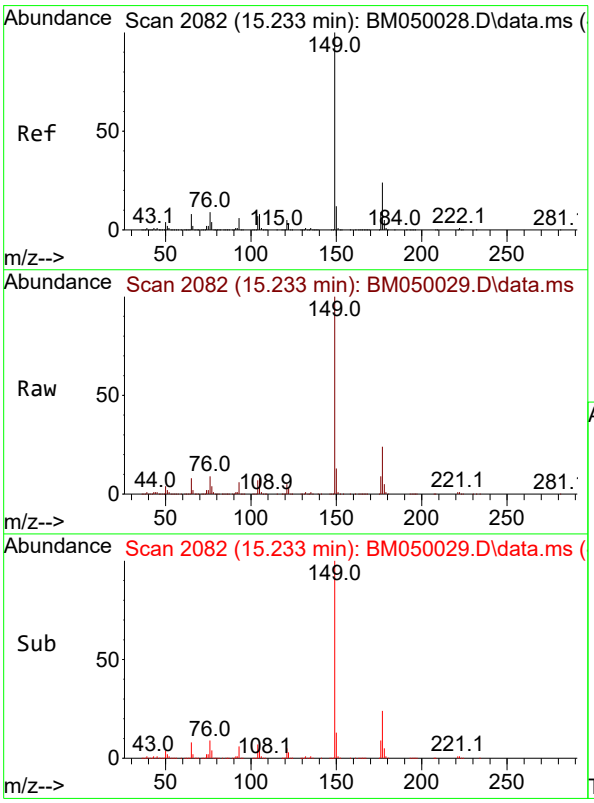
#59
2,3,4,6-Tetrachlorophenol
Concen: 54.311 ng
RT: 15.045 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 617151

Ion	Ratio	Lower	Upper
232	100		
131	34.5	28.2	42.4
130	1.9	1.5	2.3
166	27.8	22.6	34.0

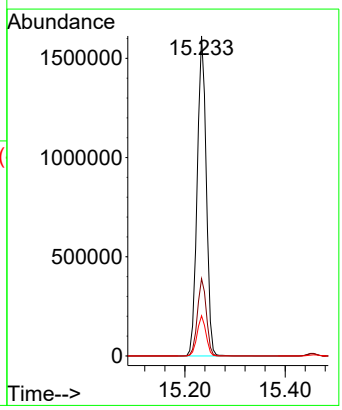


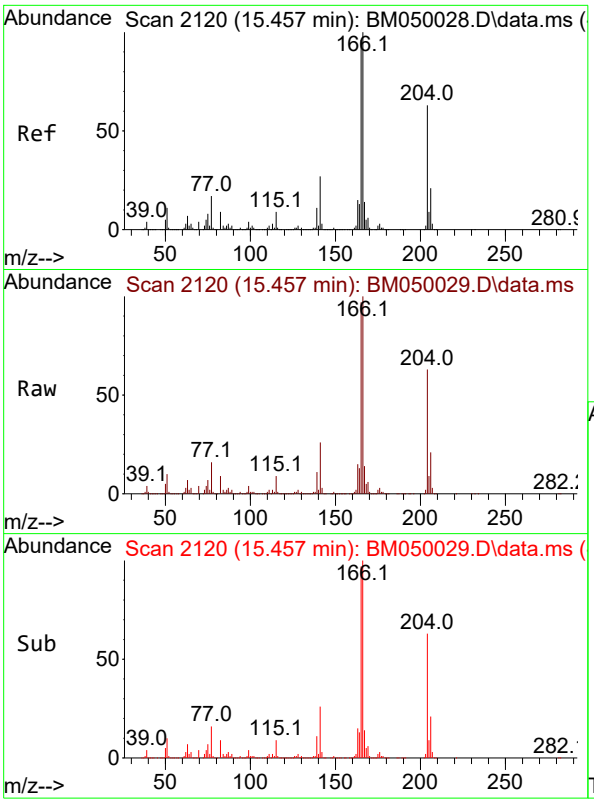


#60
Diethylphthalate
Concen: 52.691 ng
RT: 15.233 min Scan# 2082
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:149 Resp: 2011763

Ion	Ratio	Lower	Upper
149	100		
177	24.1	19.1	28.7
150	12.5	9.6	14.4



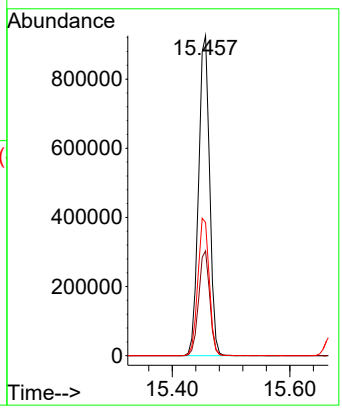


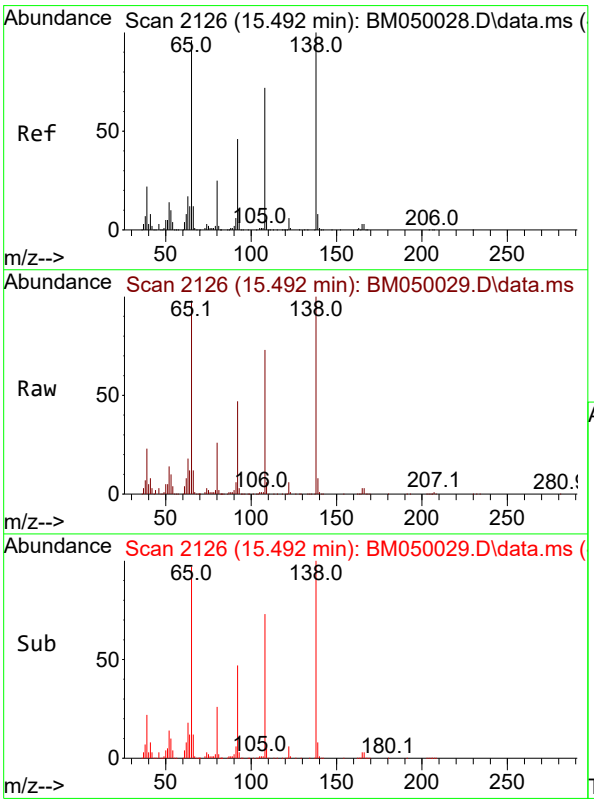
#61
4-Chlorophenyl-phenylether
Concen: 54.188 ng
RT: 15.457 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 1207514

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.3	39.5
141	41.6	34.0	51.0

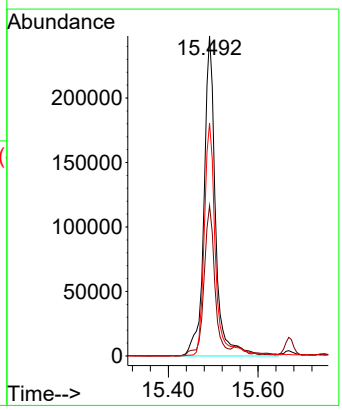


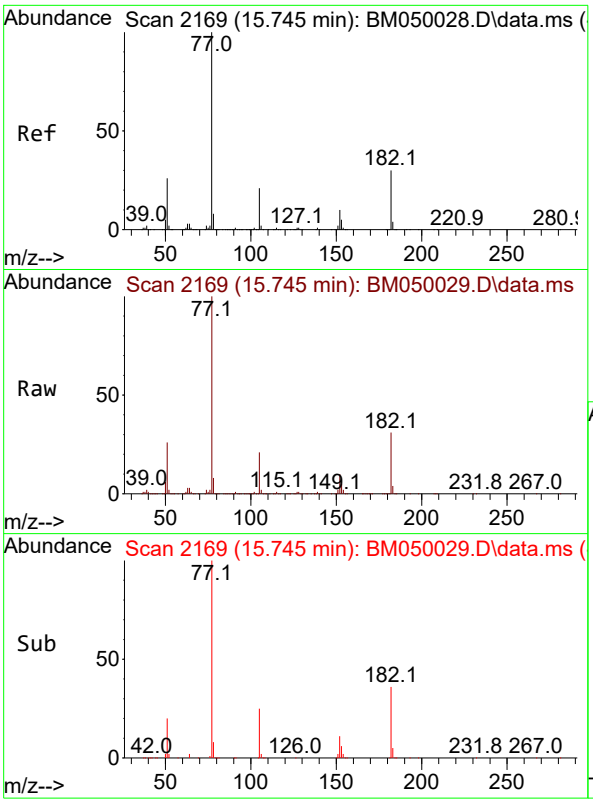


#62
4-Nitroaniline
Concen: 57.612 ng
RT: 15.492 min Scan# 2126
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:138 Resp: 445520

Ion	Ratio	Lower	Upper
138	100		
92	46.9	25.9	65.9
108	72.7	52.4	92.4



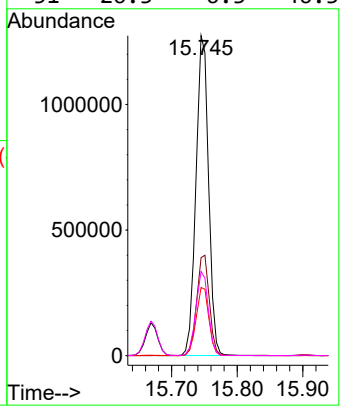


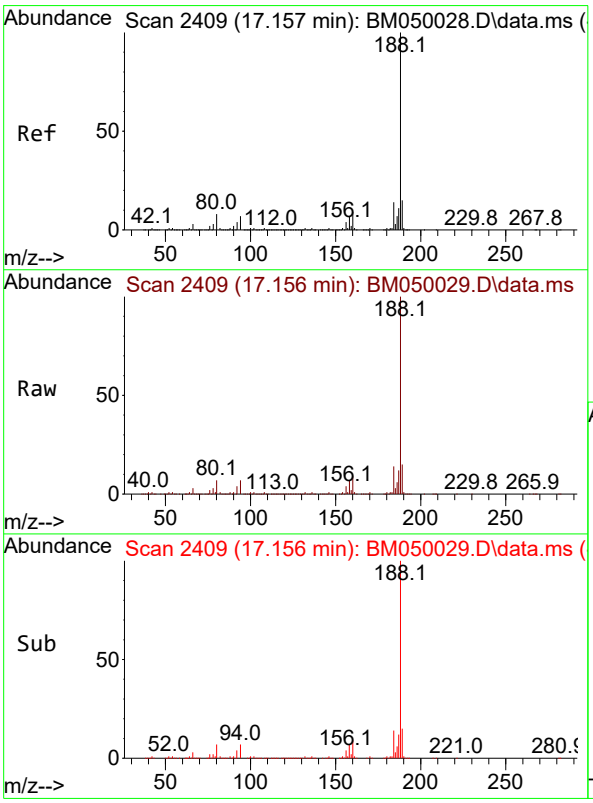
#63
Azobenzene
Concen: 53.251 ng
RT: 15.745 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 1703932

Ion	Ratio	Lower	Upper
77	100		
182	30.7	10.5	50.5
105	21.3	1.1	41.1
51	26.3	6.3	46.3

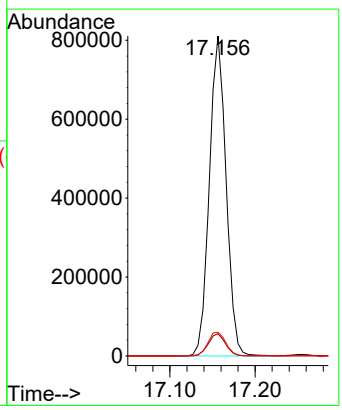


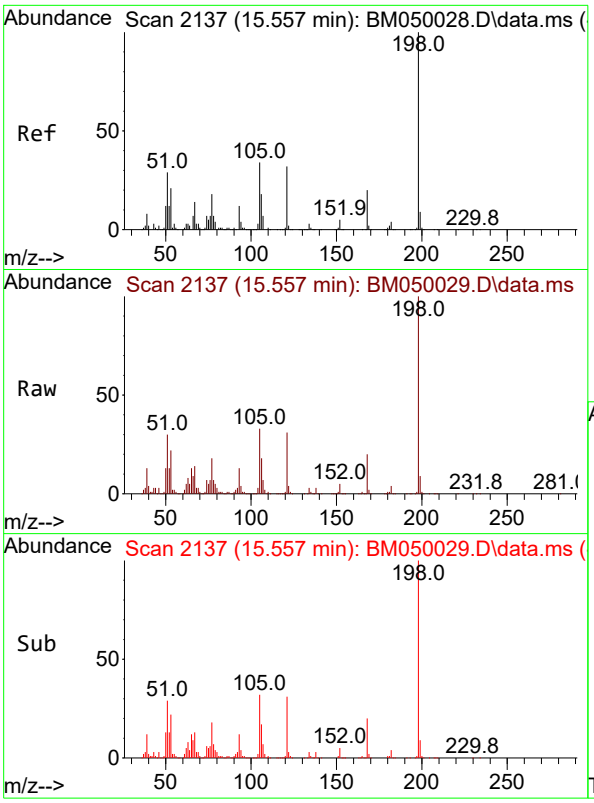


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.156 min Scan# 2409
Delta R.T. -0.001 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:188 Resp: 1105769

Ion	Ratio	Lower	Upper
188	100		
94	7.0	5.7	8.5
80	7.4	6.2	9.4



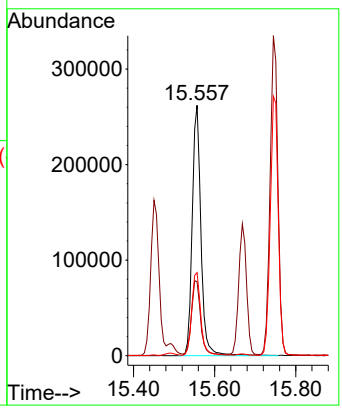


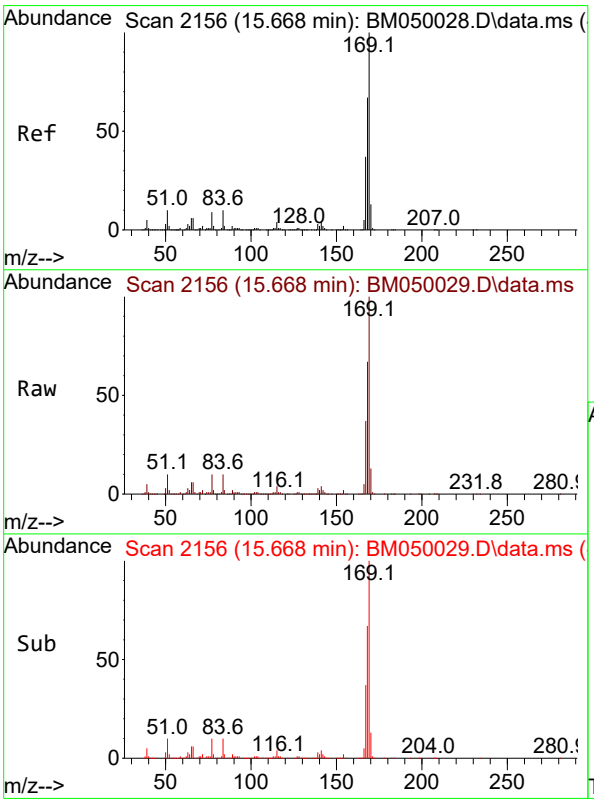
#65
4,6-Dinitro-2-methylphenol
Concen: 56.806 ng
RT: 15.557 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 393191

Ion	Ratio	Lower	Upper
198	100		
51	29.5	10.4	50.4
105	33.1	14.6	54.6

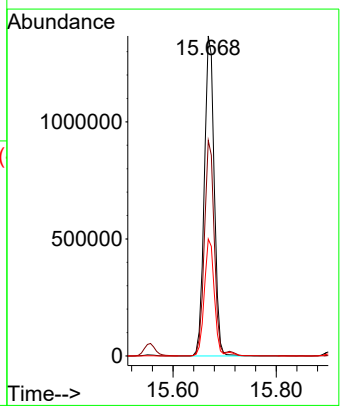


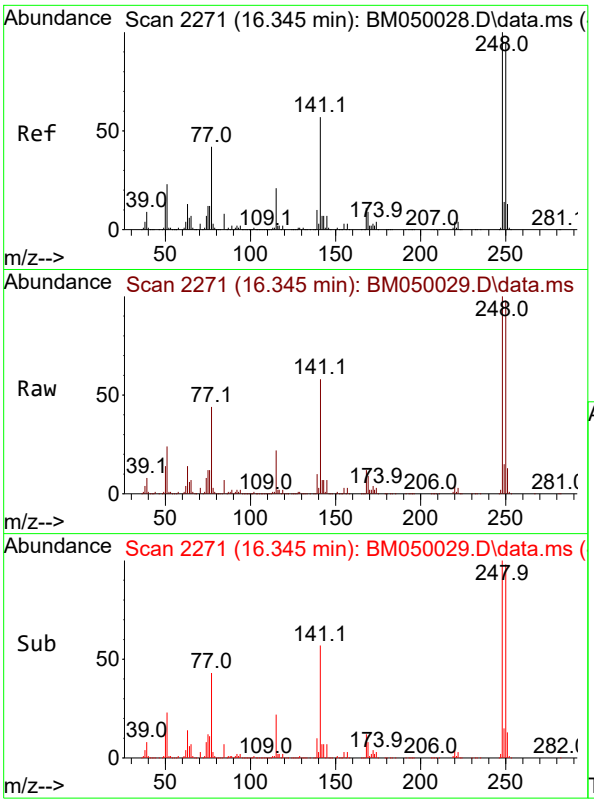


#66
n-Nitrosodiphenylamine
Concen: 53.474 ng
RT: 15.668 min Scan# 2156
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:169 Resp: 1815723

Ion	Ratio	Lower	Upper
169	100		
168	67.4	53.4	80.2
167	36.5	29.4	44.0



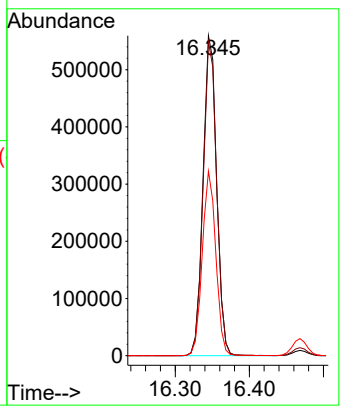


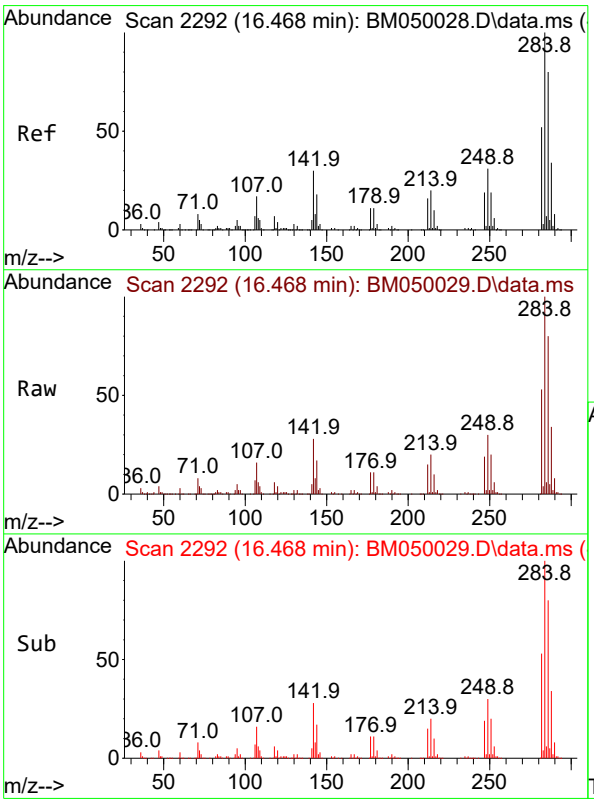
#67
4-Bromophenyl-phenylether
Concen: 53.359 ng
RT: 16.345 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 713498

Ion	Ratio	Lower	Upper
248	100		
250	98.1	76.2	114.2
141	57.6	45.9	68.9

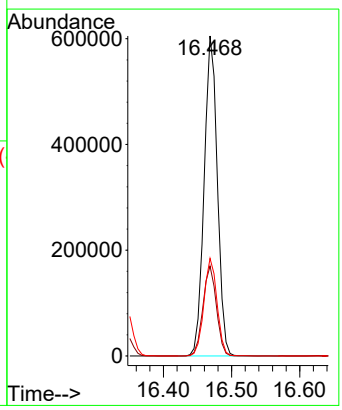


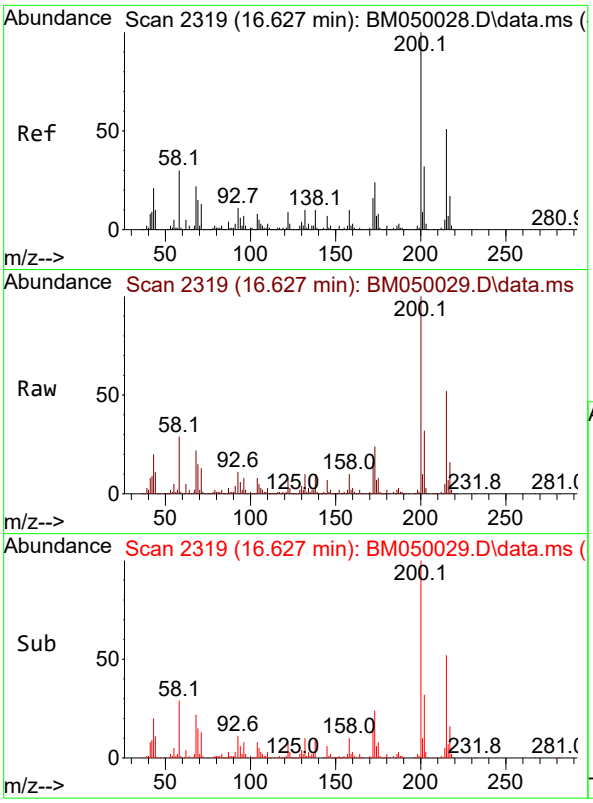


#68
Hexachlorobenzene
Concen: 52.900 ng
RT: 16.468 min Scan# 2292
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:284 Resp: 815392

Ion	Ratio	Lower	Upper
284	100		
142	28.1	23.9	35.9
249	30.5	24.5	36.7



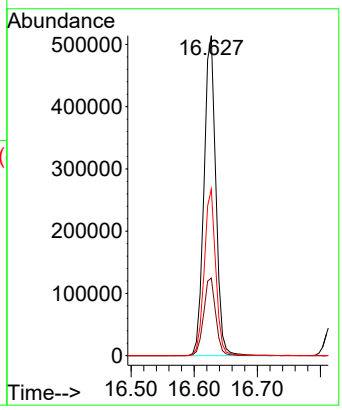


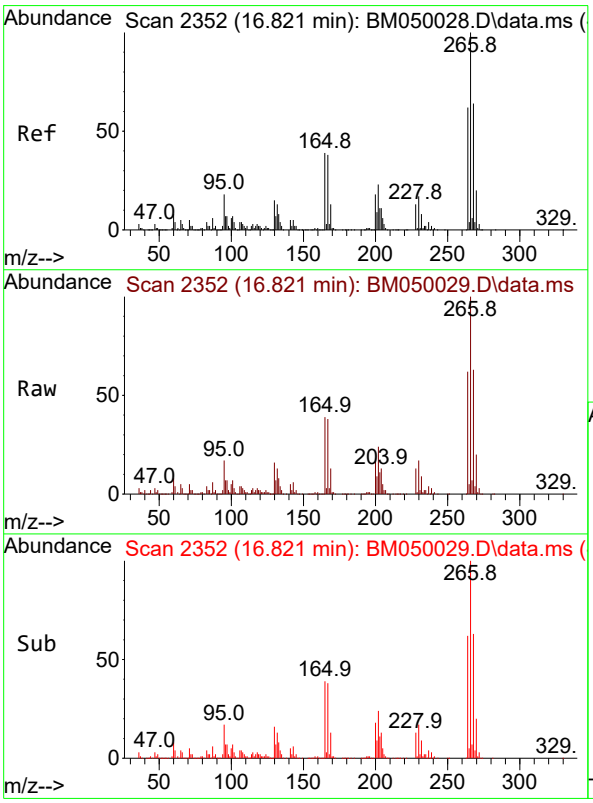
#69
Atrazine
Concen: 54.648 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 669330

Ion	Ratio	Lower	Upper
200	100		
173	24.3	4.3	44.3
215	52.1	30.6	70.6

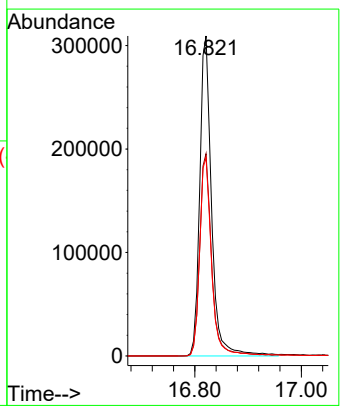


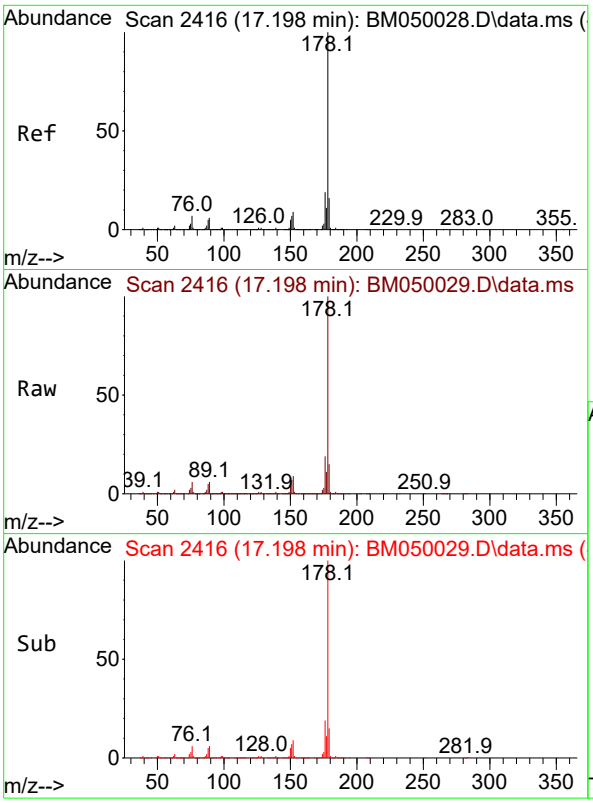


#70
Pentachlorophenol
Concen: 54.830 ng
RT: 16.821 min Scan# 2352
Delta R.T. 0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:266 Resp: 475717

Ion	Ratio	Lower	Upper
266	100		
268	63.2	51.2	76.8
264	62.0	49.6	74.4



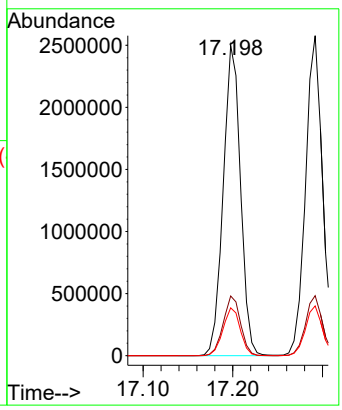


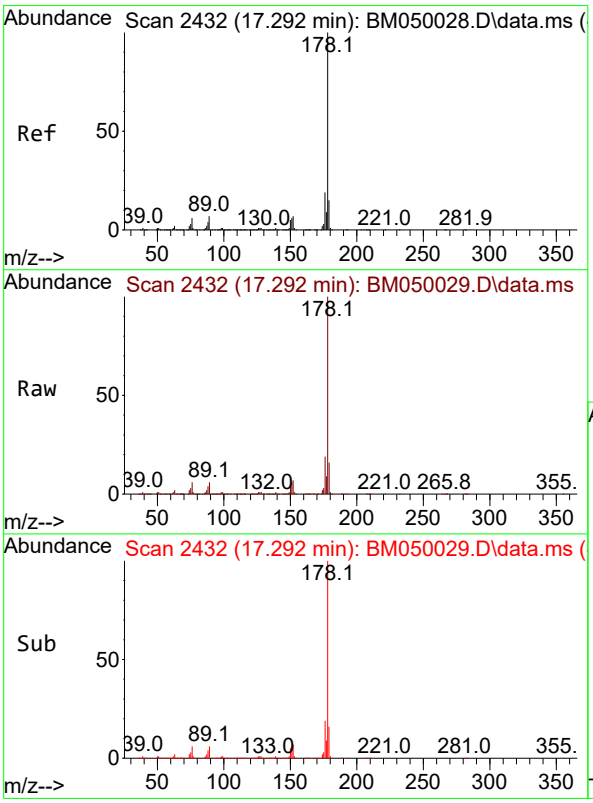
#71
Phenanthrene
Concen: 53.702 ng
RT: 17.198 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 3349195

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.4	12.4	18.6

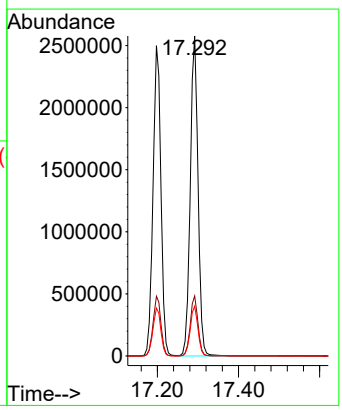


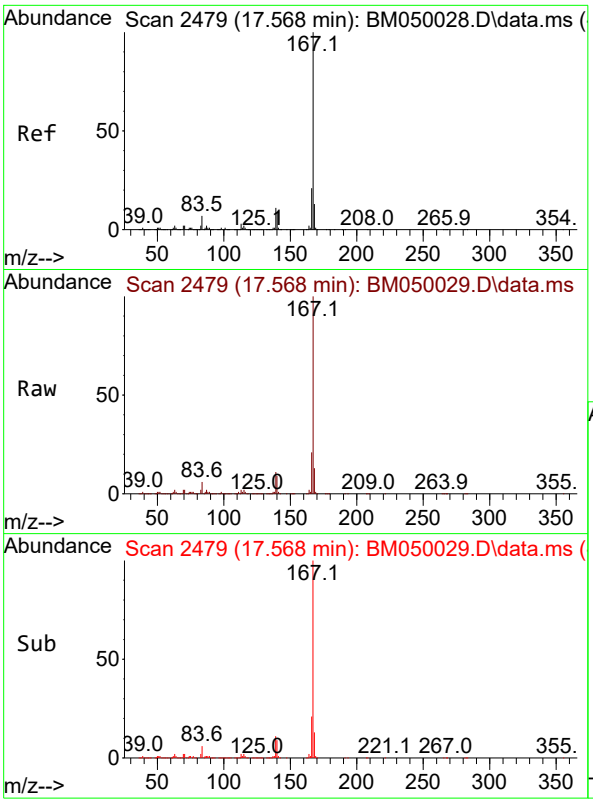


#72
Anthracene
Concen: 54.143 ng
RT: 17.292 min Scan# 2432
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:178 Resp: 3417239

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.6	12.2	18.4



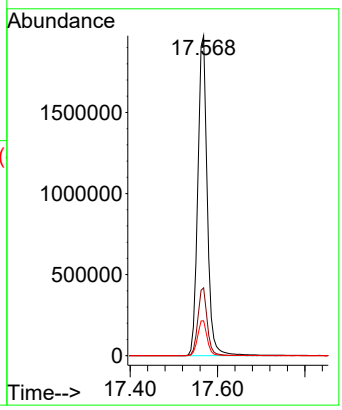


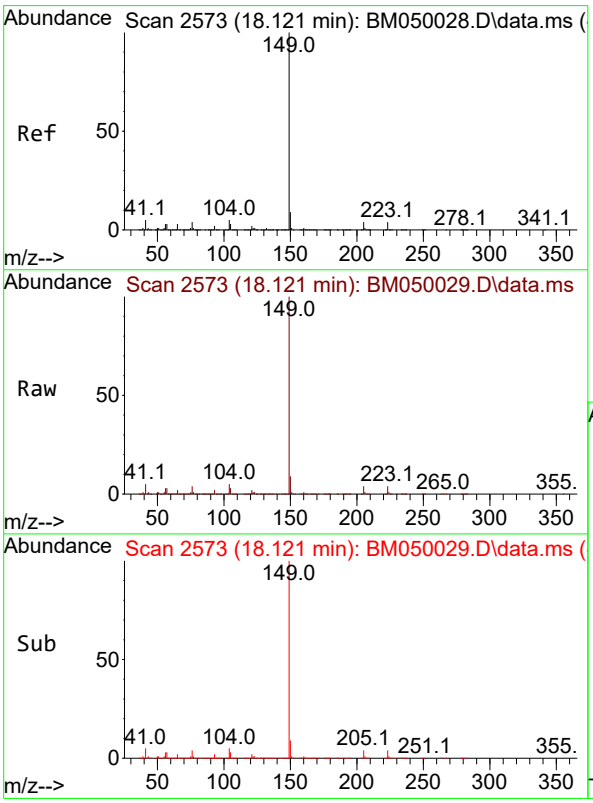
#73
Carbazole
Concen: 54.260 ng
RT: 17.568 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 2971695

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.2	25.8
139	10.9	9.0	13.6

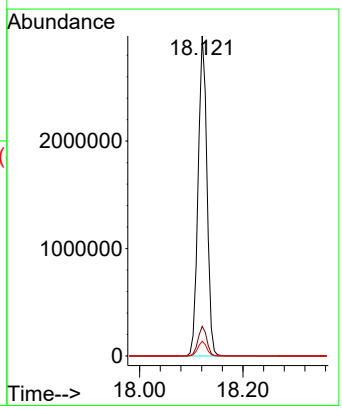


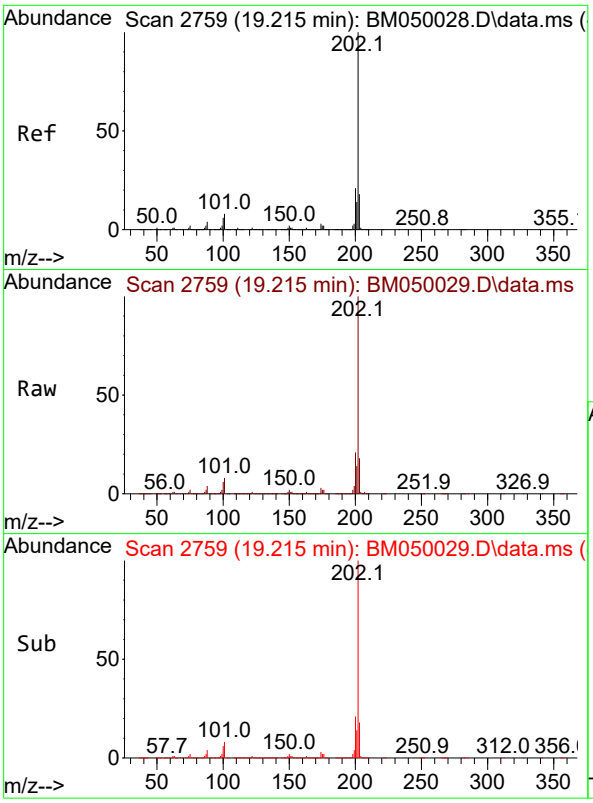


#74
Di-n-butylphthalate
Concen: 54.137 ng
RT: 18.121 min Scan# 2573
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:149 Resp: 3530893

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.6	3.8	5.6



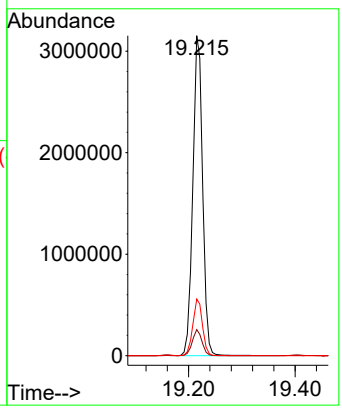


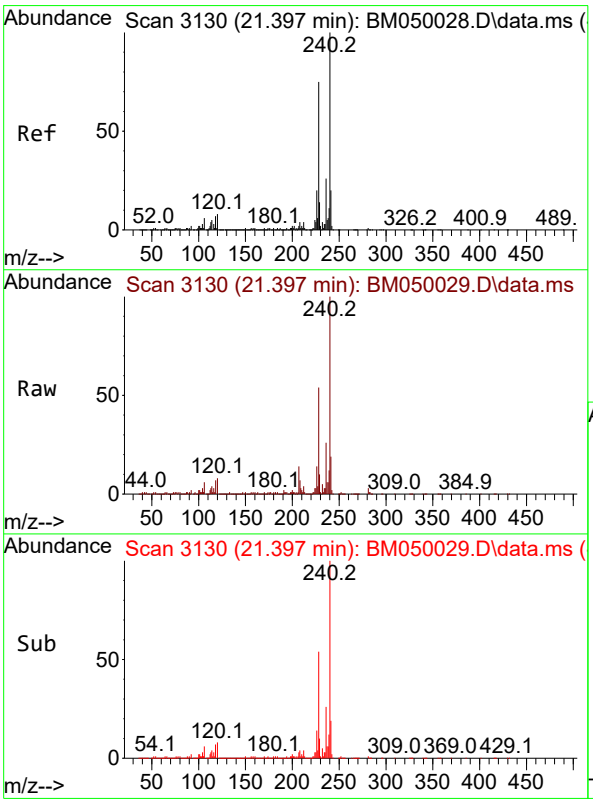
#75
Fluoranthene
Concen: 54.922 ng
RT: 19.215 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 4021516

Ion	Ratio	Lower	Upper
202	100		
101	8.1	0.0	28.0
203	17.7	0.0	37.7

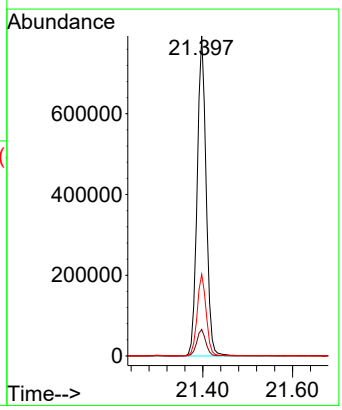


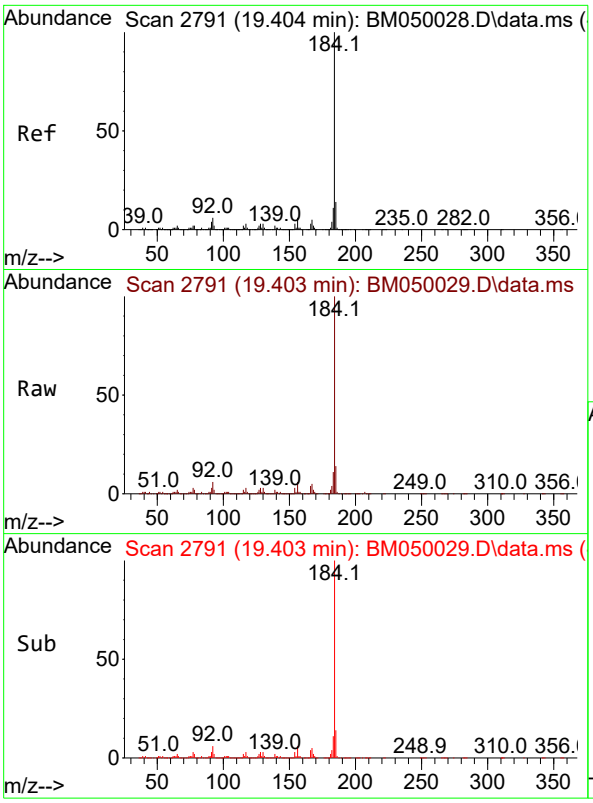


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3130
Delta R.T. 0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:240 Resp: 1097646

Ion	Ratio	Lower	Upper
240	100		
120	8.3	6.5	9.7
236	25.5	20.9	31.3



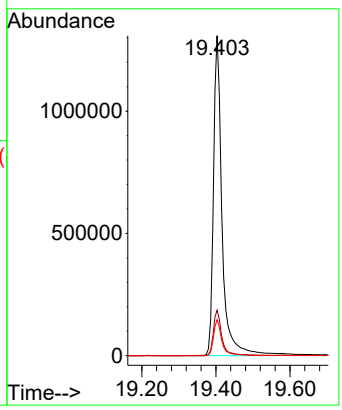


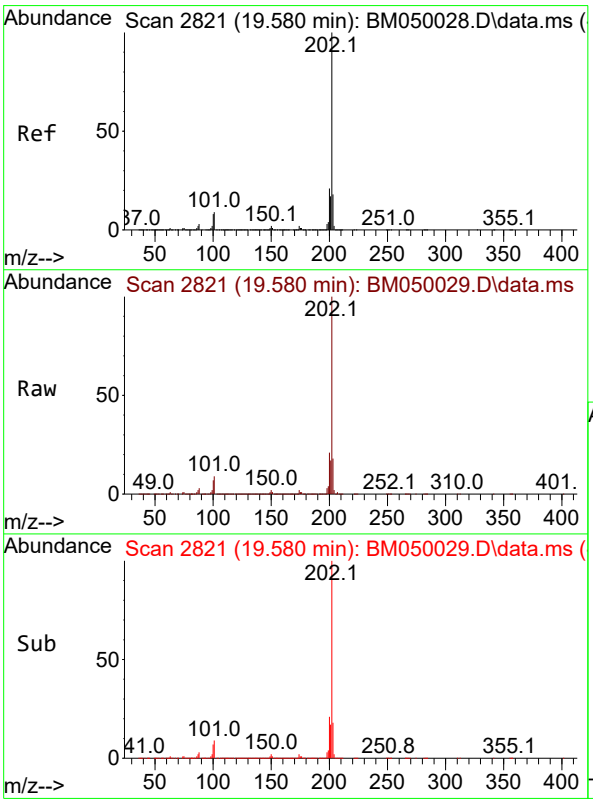
#77
Benzidine
Concen: 54.137 ng
RT: 19.403 min Scan# 2
Delta R.T. -0.001 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 2110748

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.5	17.3
183	11.2	8.9	13.3

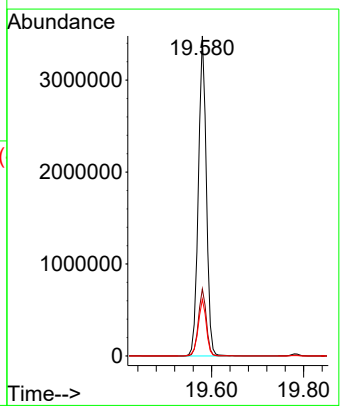


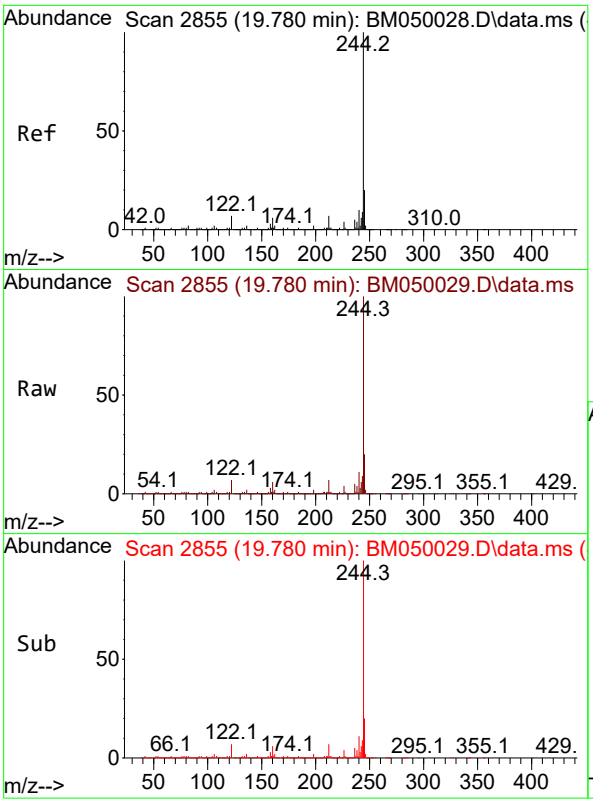


#78
Pyrene
Concen: 54.097 ng
RT: 19.580 min Scan# 2821
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:202 Resp: 4169831

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.7	14.1	21.1



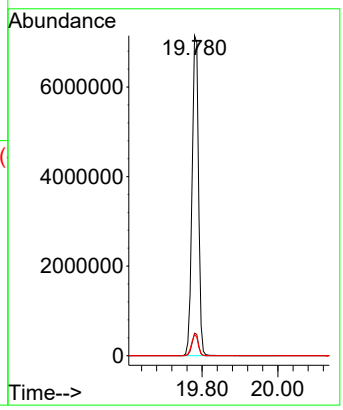


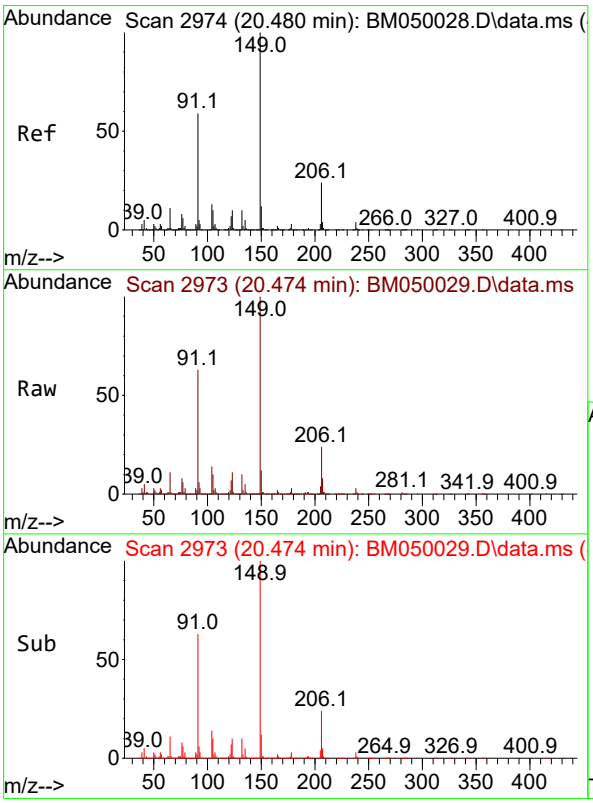
#79
Terphenyl-d14
Concen: 114.020 ng
RT: 19.780 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 8457811

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	6.7	5.6	8.4

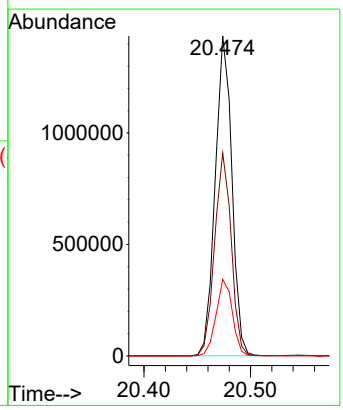


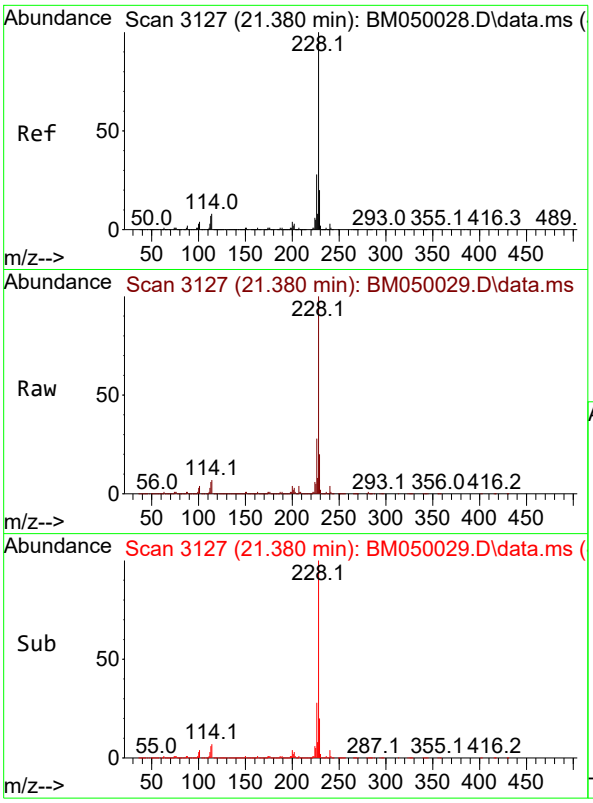


#80
Butylbenzylphthalate
Concen: 53.948 ng
RT: 20.474 min Scan# 2973
Delta R.T. -0.006 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:149 Resp: 1557463

Ion	Ratio	Lower	Upper
149	100		
91	63.4	47.4	71.2
206	23.9	19.4	29.0



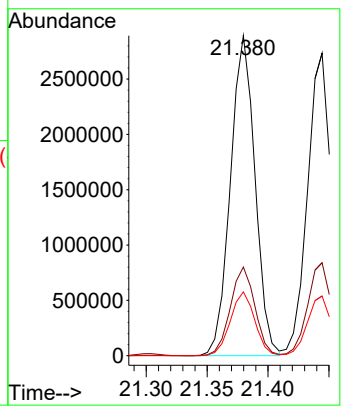


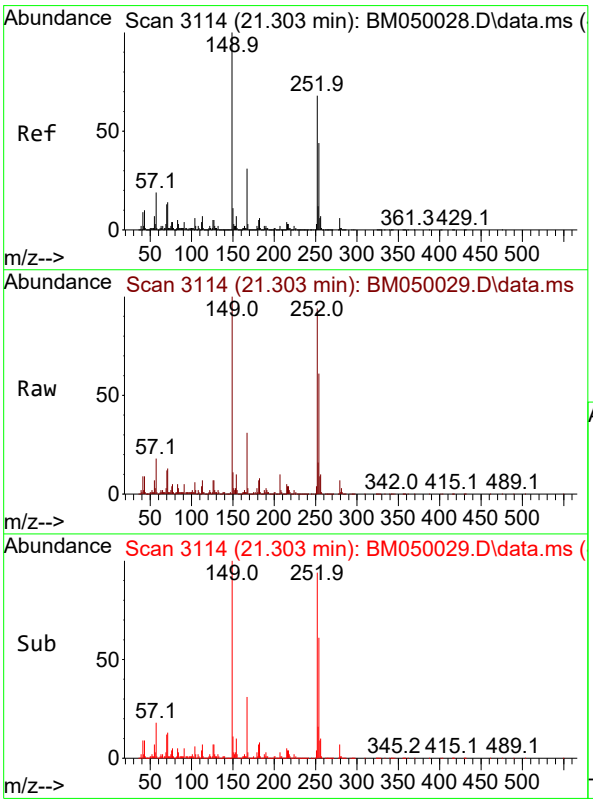
#81
Benzo(a)anthracene
Concen: 53.687 ng
RT: 21.380 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 4058011

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.1	33.1
229	20.0	15.7	23.5

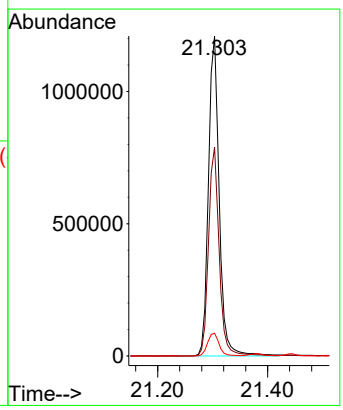


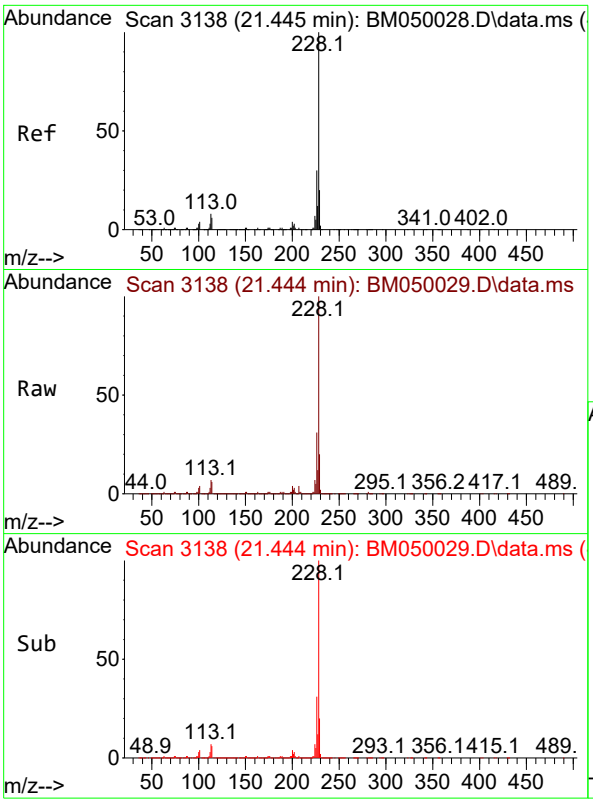


#82
3,3'-Dichlorobenzidine
Concen: 56.659 ng
RT: 21.303 min Scan# 3114
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:252 Resp: 1639448

Ion	Ratio	Lower	Upper
252	100		
254	65.3	51.8	77.6
126	7.1	6.0	9.0



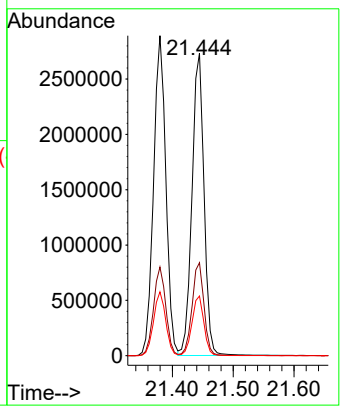


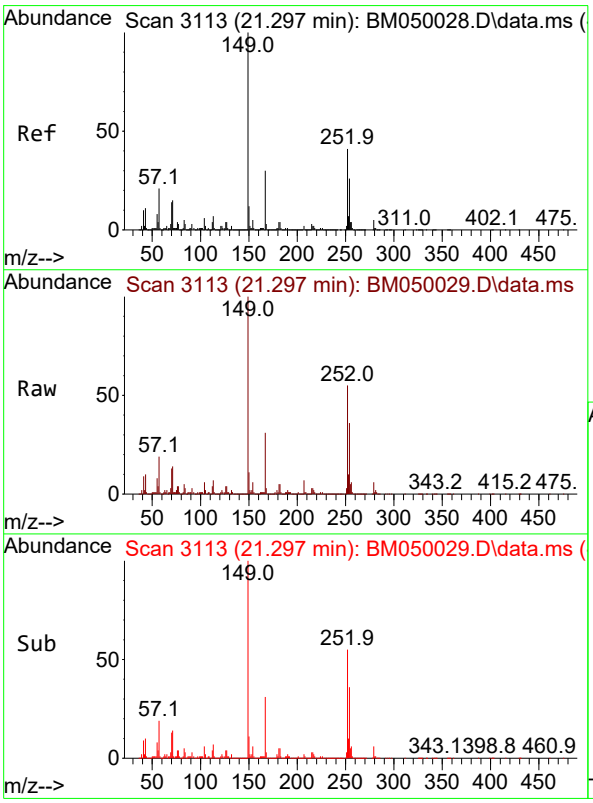
#83
Chrysene
Concen: 53.683 ng
RT: 21.444 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 3755543

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.2	36.2
229	19.7	15.7	23.5

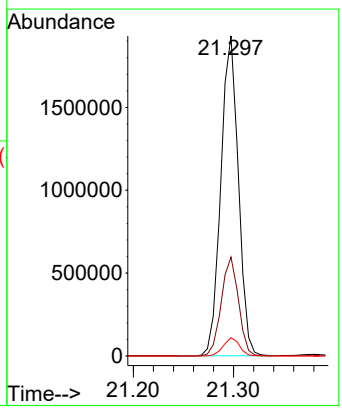


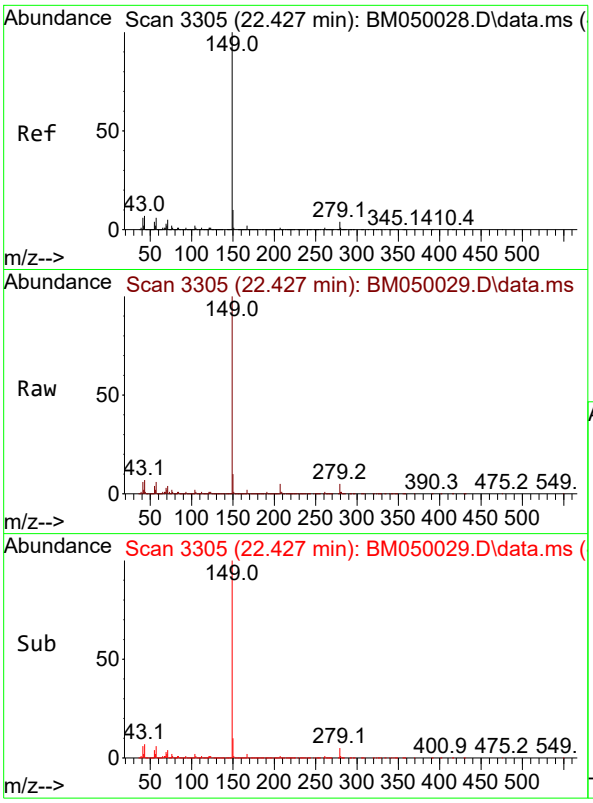


#84
Bis(2-ethylhexyl)phthalate
Concen: 54.194 ng
RT: 21.297 min Scan# 3113
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:149 Resp: 2336926

Ion	Ratio	Lower	Upper
149	100		
167	30.9	24.1	36.1
279	5.7	3.9	5.9



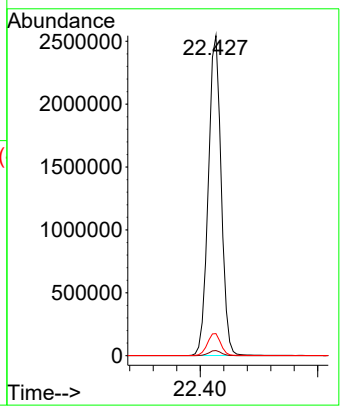


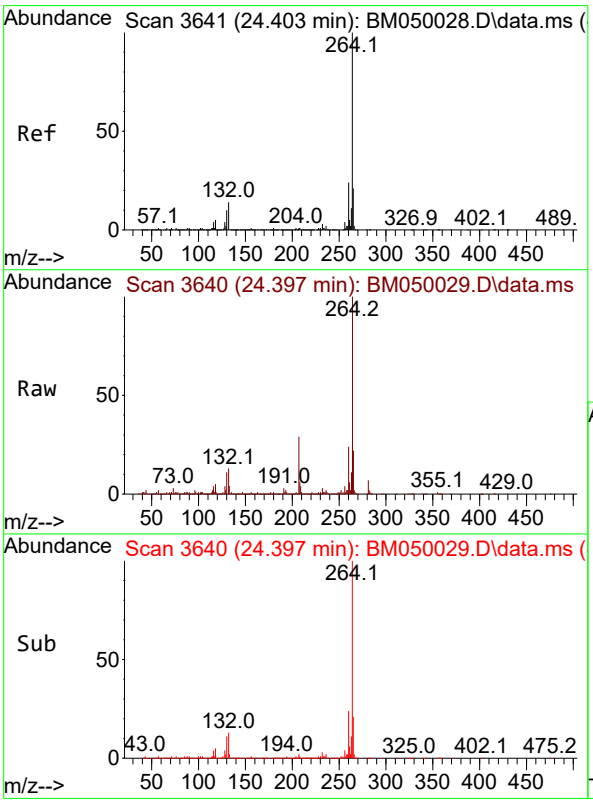
#85
Di-n-octyl phthalate
Concen: 54.170 ng
RT: 22.427 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 3852190

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.2	5.8	8.8

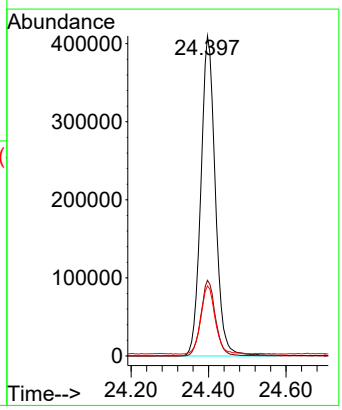


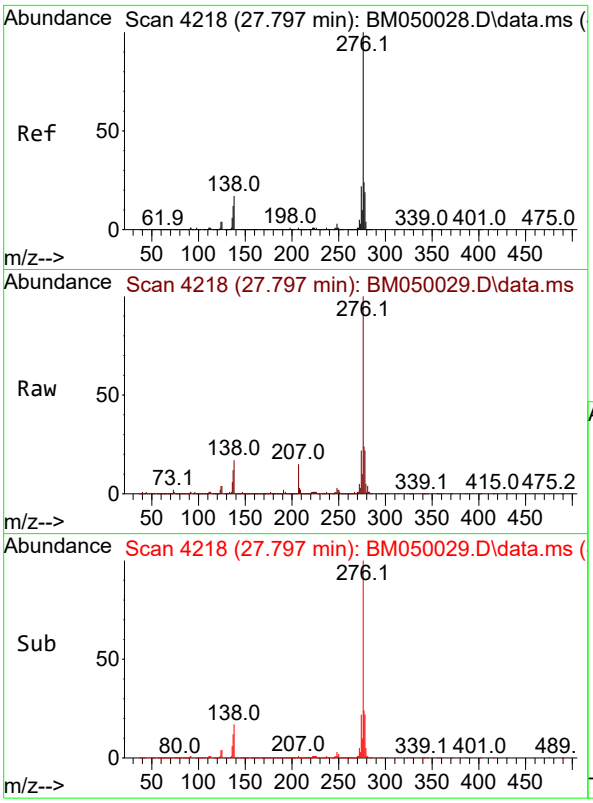


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.397 min Scan# 3640
Delta R.T. -0.006 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:264 Resp: 1061511

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.8	28.2
265	21.9	17.0	25.4



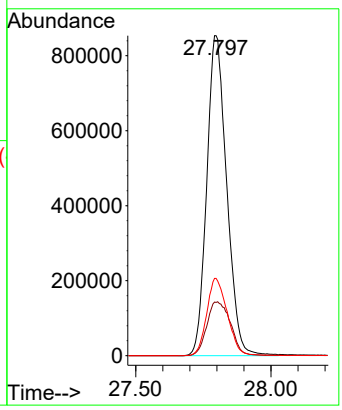


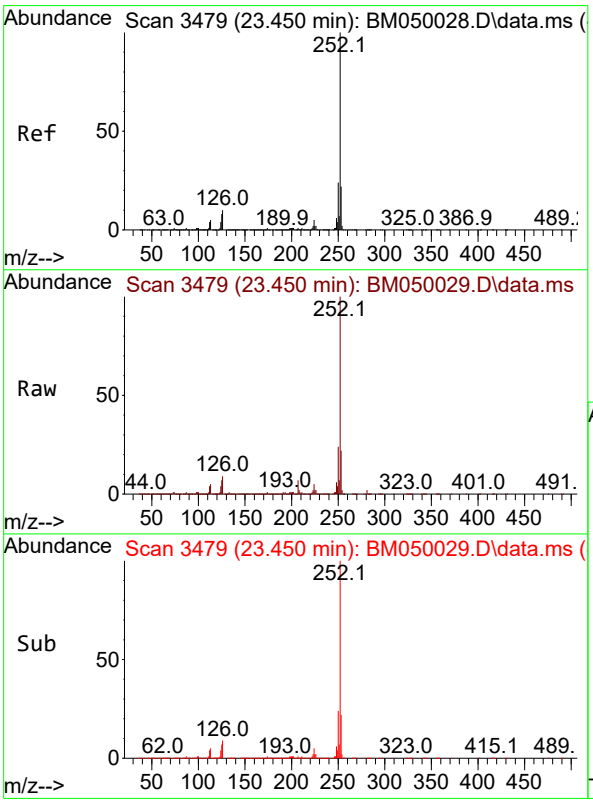
#87
Indeno(1,2,3-cd)pyrene
Concen: 55.240 ng
RT: 27.797 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 4369253

Ion	Ratio	Lower	Upper
276	100		
138	20.1	16.4	24.6
277	24.9	19.8	29.8

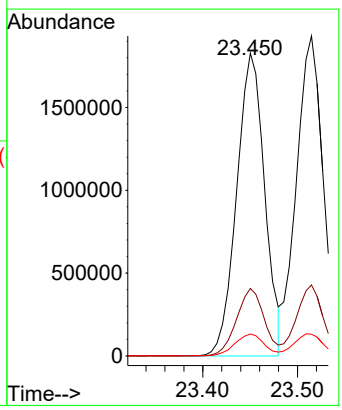


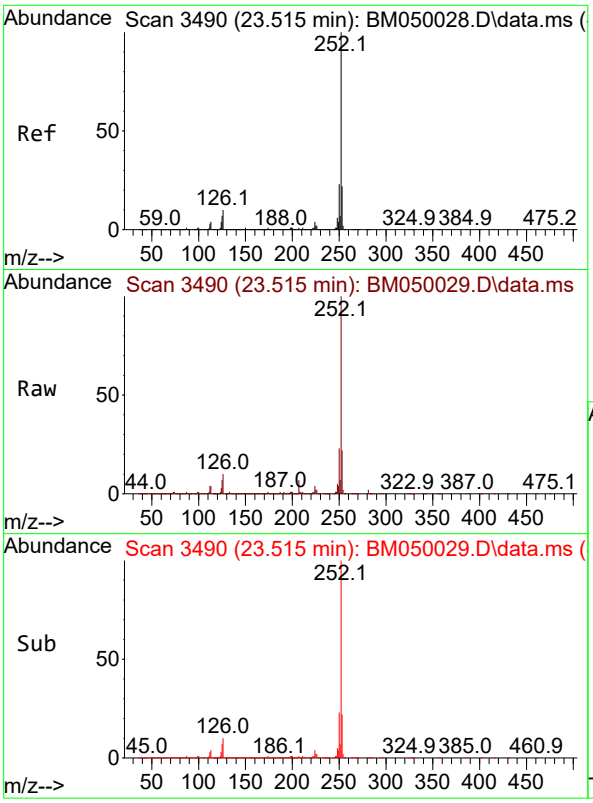


#88
Benzo(b)fluoranthene
Concen: 54.405 ng
RT: 23.450 min Scan# 3479
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:252 Resp: 3755728

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	7.2	6.1	9.1



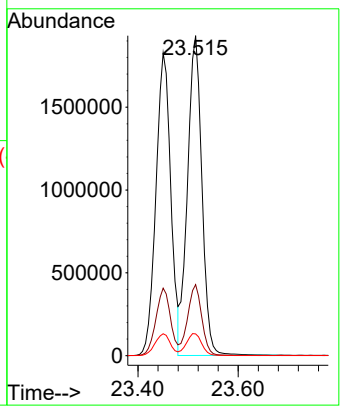


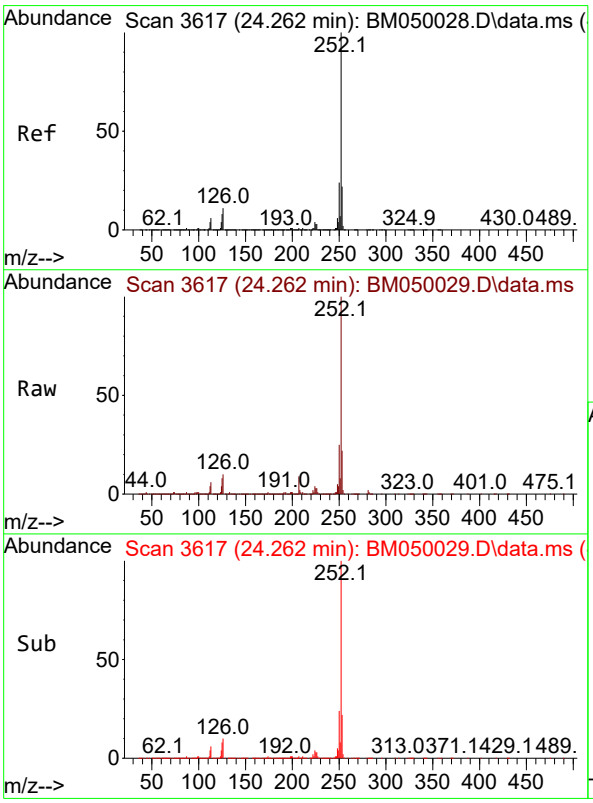
#89
Benzo(k)fluoranthene
Concen: 55.037 ng
RT: 23.515 min Scan# 34
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 3844095

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.2
125	6.8	5.8	8.8

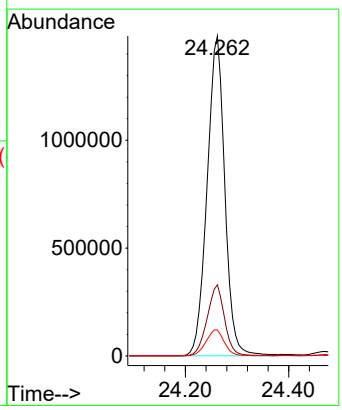


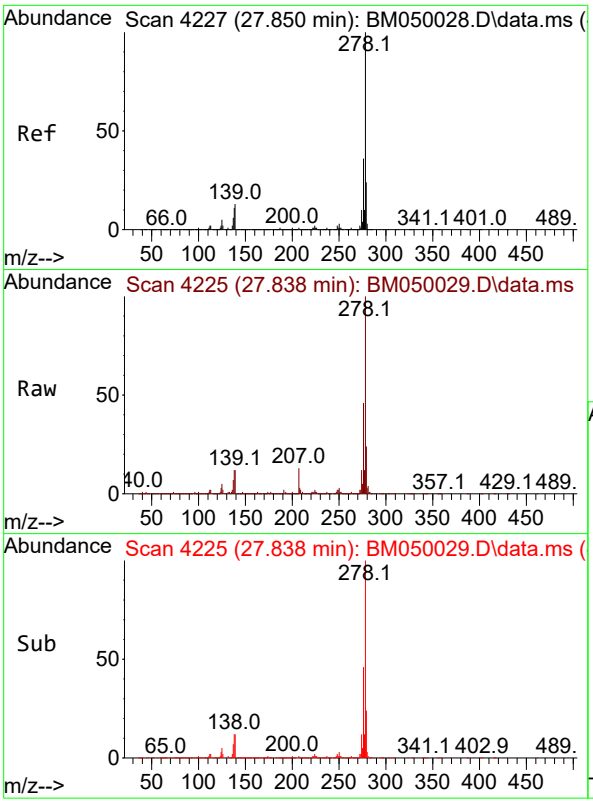


#90
Benzo(a)pyrene
Concen: 54.588 ng
RT: 24.262 min Scan# 3617
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:252 Resp: 3529489

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.0
125	8.1	6.6	9.8



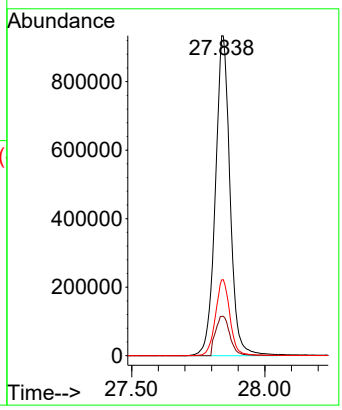


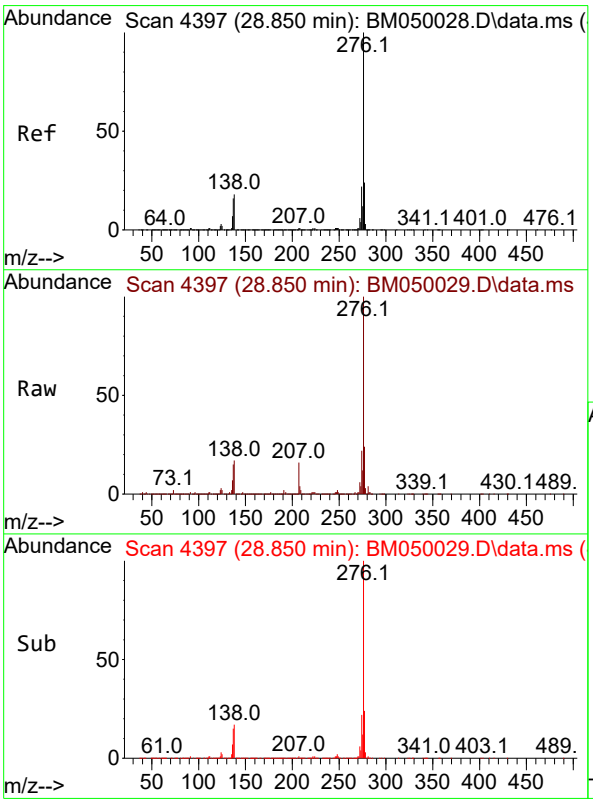
#91
Dibenzo(a,h)anthracene
Concen: 55.448 ng
RT: 27.838 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 3575099

Ion	Ratio	Lower	Upper
278	100		
139	12.3	10.5	15.7
279	23.7	19.4	29.0

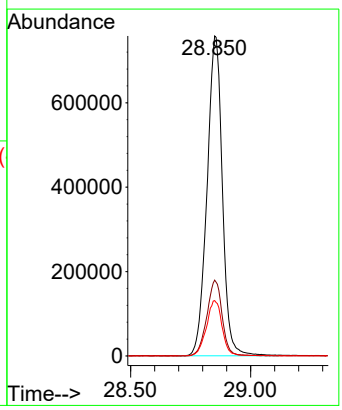




#92
Benzo(g,h,i)perylene
Concen: 54.494 ng
RT: 28.850 min Scan# 4397
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:276 Resp: 3363778

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.1	28.7
138	17.3	14.3	21.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050030.D
Acq On : 28 Apr 2025 16:24
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Quant Time: Apr 28 17:58:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.769	152	238160	20.000	ng		0.00
21) Naphthalene-d8	10.563	136	873845	20.000	ng		0.00
39) Acenaphthene-d10	14.410	164	580977	20.000	ng		0.00
64) Phenanthrene-d10	17.157	188	1144389	20.000	ng		0.00
76) Chrysene-d12	21.398	240	1144881	20.000	ng		0.00
86) Perylene-d12	24.397	264	1099459	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.357	112	1676078	123.234	ng		0.00
7) Phenol-d6	6.951	99	2135178	124.905	ng		0.00
23) Nitrobenzene-d5	8.928	82	2186546	123.300	ng		0.00
42) 2,4,6-Tribromophenol	15.910	330	1107899	128.968	ng		0.00
45) 2-Fluorobiphenyl	13.033	172	6079094	123.782	ng		0.00
79) Terphenyl-d14	19.780	244	10017186	129.471	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.252	88	350690	60.136	ng		99
3) Pyridine	3.658	79	923444	61.631	ng		99
4) n-Nitrosodimethylamine	3.563	42	360090	61.276	ng		98
6) Aniline	7.098	93	1339587	62.058	ng		100
8) 2-Chlorophenol	7.340	128	905849	61.600	ng		99
9) Benzaldehyde	6.910	77	683177	59.793	ng		99
10) Phenol	6.981	94	1072175	61.956	ng		99
11) bis(2-Chloroethyl)ether	7.193	93	880705	60.947	ng		100
12) 1,3-Dichlorobenzene	7.657	146	1077725	60.670	ng		99
13) 1,4-Dichlorobenzene	7.804	146	1083367	60.707	ng		99
14) 1,2-Dichlorobenzene	8.122	146	1046214	60.691	ng		98
15) Benzyl Alcohol	8.016	79	750490	63.306	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.293	45	1052561	59.922	ng		100
17) 2-Methylphenol	8.228	107	705836	61.914	ng		99
18) Hexachloroethane	8.845	117	380742	60.018	ng		99
19) n-Nitroso-di-n-propyla...	8.575	70	678107	61.851	ng		100
20) 3+4-Methylphenols	8.551	107	964063	62.619	ng		97
22) Acetophenone	8.592	105	1325893	61.030	ng	#	99
24) Nitrobenzene	8.969	77	938300	61.193	ng		99
25) Isophorone	9.498	82	1845274	61.044	ng		99
26) 2-Nitrophenol	9.681	139	504441	64.395	ng		99
27) 2,4-Dimethylphenol	9.751	122	816717	62.869	ng		98
28) bis(2-Chloroethoxy)met...	9.975	93	1138921	60.958	ng		100
29) 2,4-Dichlorophenol	10.228	162	920741	63.266	ng		98
30) 1,2,4-Trichlorobenzene	10.428	180	1079970	60.907	ng		100
31) Naphthalene	10.610	128	2682942	60.626	ng		100
32) Benzoic acid	9.928	122	556598	67.178	ng		98
33) 4-Chloroaniline	10.728	127	1146085	63.184	ng		99
34) Hexachlorobutadiene	10.898	225	689159	61.230	ng		99
35) Caprolactam	11.528	113	266678	62.845	ng		98
36) 4-Chloro-3-methylphenol	11.869	107	832050	61.882	ng		100
37) 2-Methylnaphthalene	12.228	142	1815345	61.185	ng		99
38) 1-Methylnaphthalene	12.445	142	1916000	61.021	ng		100
40) 1,2,4,5-Tetrachloroben...	12.598	216	1264090	62.853	ng		100
41) Hexachlorocyclopentadiene	12.580	237	814238	66.248	ng		99
43) 2,4,6-Trichlorophenol	12.851	196	814256	63.832	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050030.D
Acq On : 28 Apr 2025 16:24
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Quant Time: Apr 28 17:58:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

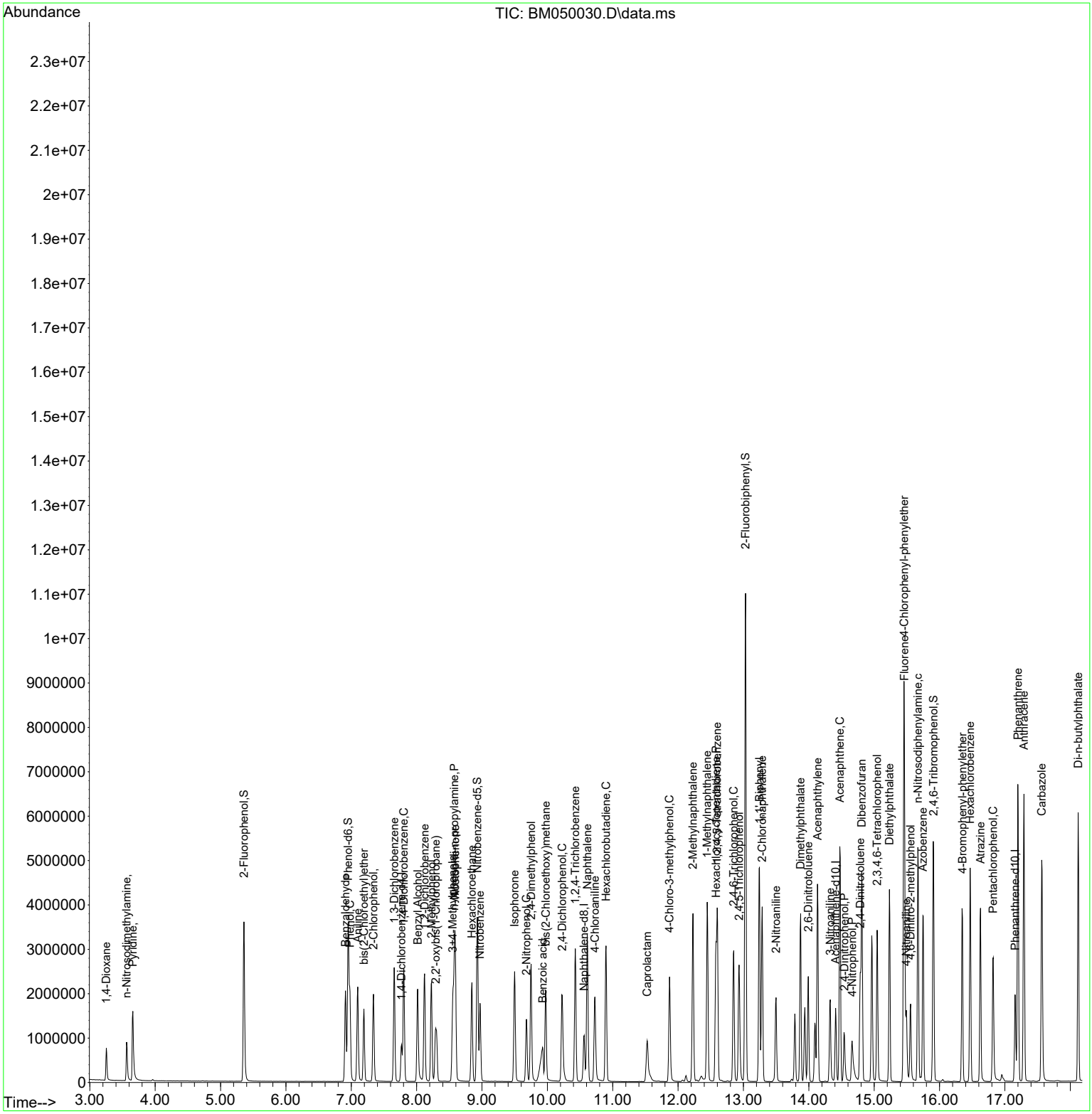
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.933	196	872921	63.459	ng		99
46) 1,1'-Biphenyl	13.245	154	2626494	60.817	ng		99
47) 2-Chloronaphthalene	13.286	162	2078242	60.760	ng		100
48) 2-Nitroaniline	13.498	65	512544	63.847	ng		99
49) Acenaphthylene	14.133	152	3292902	61.060	ng		100
50) Dimethylphthalate	13.874	163	2562233	60.347	ng		100
51) 2,6-Dinitrotoluene	13.992	165	551466	62.732	ng		99
52) Acenaphthene	14.474	154	1906973	61.089	ng		100
53) 3-Nitroaniline	14.327	138	541960	64.574	ng		99
54) 2,4-Dinitrophenol	14.545	184	327924	59.847	ng		97
55) Dibenzofuran	14.810	168	3154566	60.738	ng		100
56) 4-Nitrophenol	14.663	139	402106	60.088	ng		99
57) 2,4-Dinitrotoluene	14.786	165	779604	64.180	ng		98
58) Fluorene	15.463	166	2614340	61.497	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.045	232	752680	63.213	ng		98
60) Diethylphthalate	15.233	149	2397624	59.930	ng		99
61) 4-Chlorophenyl-phenyle...	15.457	204	1457099	62.403	ng		98
62) 4-Nitroaniline	15.492	138	524887	64.776	ng		98
63) Azobenzene	15.745	77	2030208	60.550	ng		99
65) 4,6-Dinitro-2-methylph...	15.557	198	473987	66.167	ng		98
66) n-Nitrosodiphenylamine	15.668	169	2158446	61.422	ng		100
67) 4-Bromophenyl-phenylether	16.351	248	878886	63.509	ng		95
68) Hexachlorobenzene	16.468	284	1000366	62.711	ng		97
69) Atrazine	16.627	200	802538	63.312	ng		99
70) Pentachlorophenol	16.821	266	584874	65.136	ng		99
71) Phenanthrene	17.198	178	4028280	62.410	ng		99
72) Anthracene	17.292	178	4088295	62.590	ng		100
73) Carbazole	17.562	167	3562573	62.854	ng		100
74) Di-n-butylphthalate	18.121	149	4225922	62.607	ng		100
75) Fluoranthene	19.215	202	4891273	64.546	ng		100
77) Benzidine	19.404	184	2626747	64.592	ng		100
78) Pyrene	19.580	202	5030035	62.565	ng		100
80) Butylbenzylphthalate	20.474	149	1873444	62.216	ng		96
81) Benzo(a)anthracene	21.380	228	4954357	62.841	ng		99
82) 3,3'-Dichlorobenzidine	21.303	252	2003019	66.368	ng		99
83) Chrysene	21.445	228	4549388	62.348	ng		99
84) Bis(2-ethylhexyl)phtha...	21.298	149	2797195	62.192	ng	#	97
85) Di-n-octyl phthalate	22.427	149	4605837	62.095	ng		100
87) Indeno(1,2,3-cd)pyrene	27.797	276	5248662	64.068	ng		99
88) Benzo(b)fluoranthene	23.456	252	4643026	64.936	ng		99
89) Benzo(k)fluoranthene	23.515	252	4561134	63.050	ng		100
90) Benzo(a)pyrene	24.262	252	4281665	63.936	ng		100
91) Dibenzo(a,h)anthracene	27.850	278	4305928	64.478	ng		99
92) Benzo(g,h,i)perylene	28.850	276	4036958	63.142	ng		99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050030.D
Acq On : 28 Apr 2025 16:24
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Quant Time: Apr 28 17:58:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050030.D
Acq On : 28 Apr 2025 16:24
Operator : RC/JU
Sample : SSTDICC060
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ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
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Quant Time: Apr 28 17:58:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
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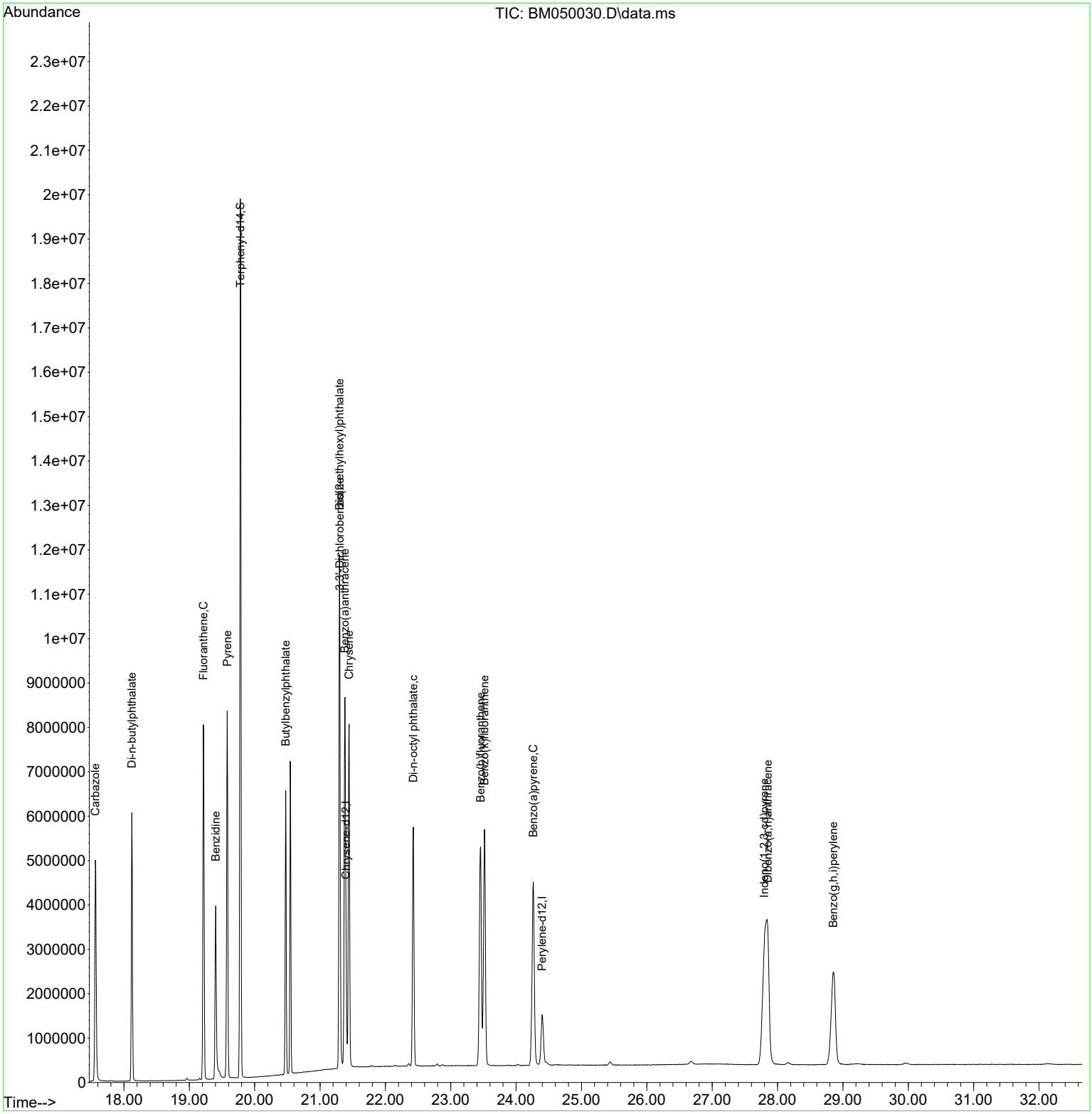
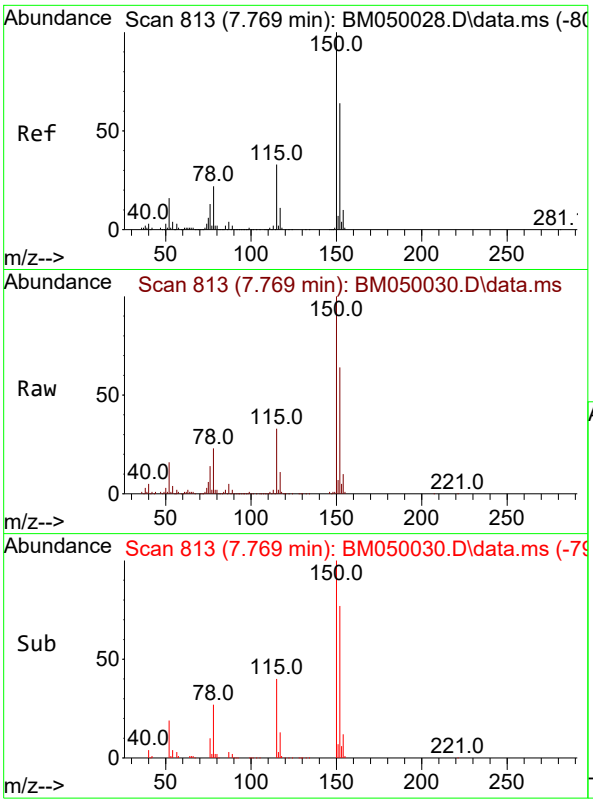


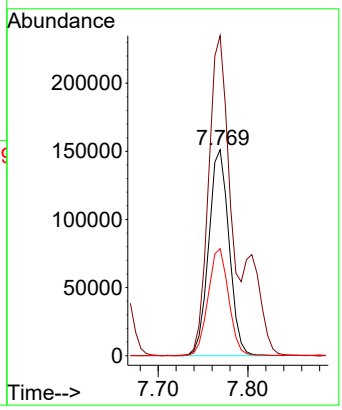


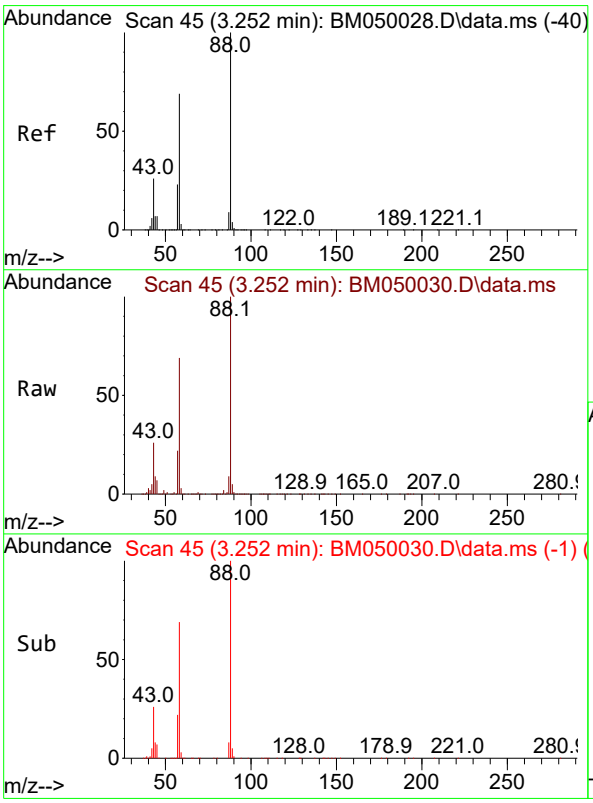
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 238160

Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.1	186.1
115	52.0	41.2	61.8

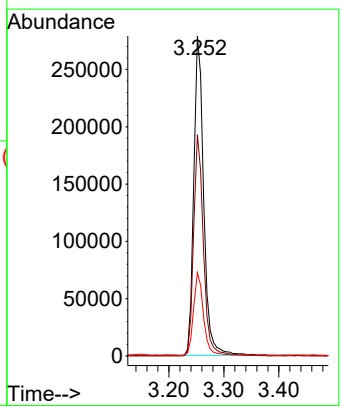


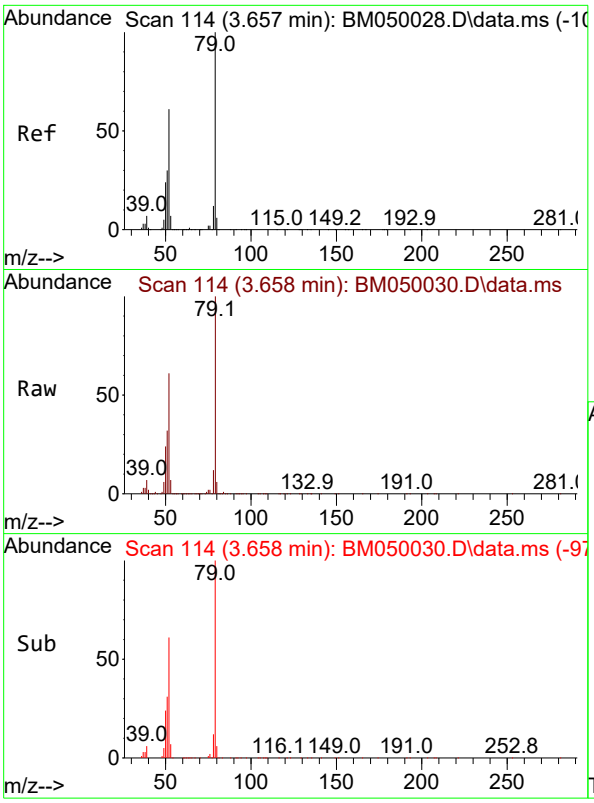


#2
1,4-Dioxane
Concen: 60.136 ng
RT: 3.252 min Scan# 45
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion: 88 Resp: 350690

Ion	Ratio	Lower	Upper
88	100		
58	68.4	55.1	82.7
43	25.4	20.9	31.3



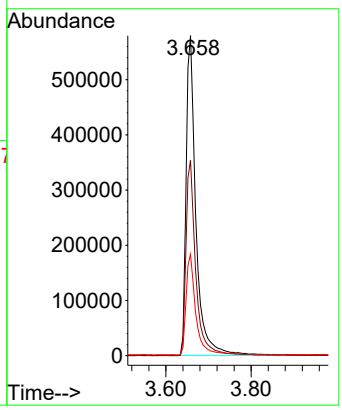


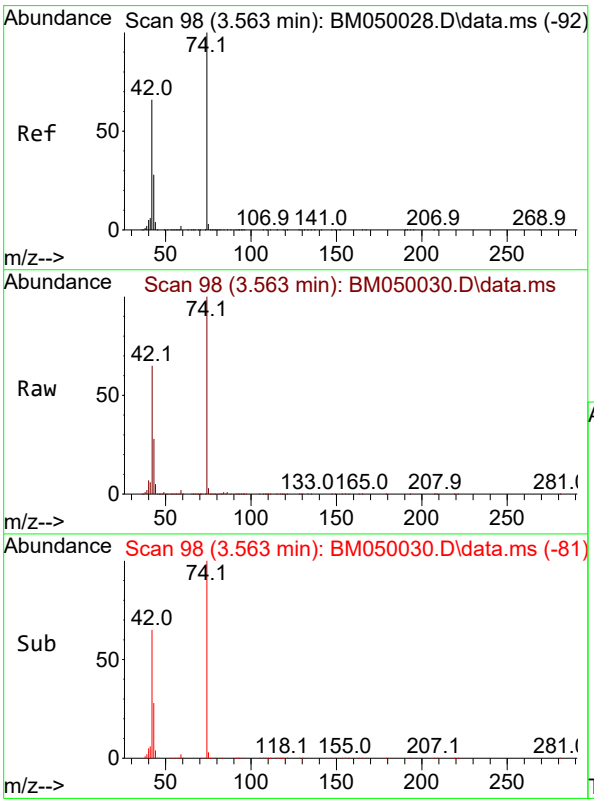
#3
Pyridine
Concen: 61.631 ng
RT: 3.658 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 923444

Ion	Ratio	Lower	Upper
79	100		
52	61.2	48.6	72.8
51	31.7	24.6	37.0

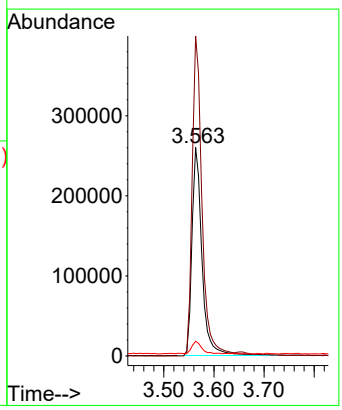


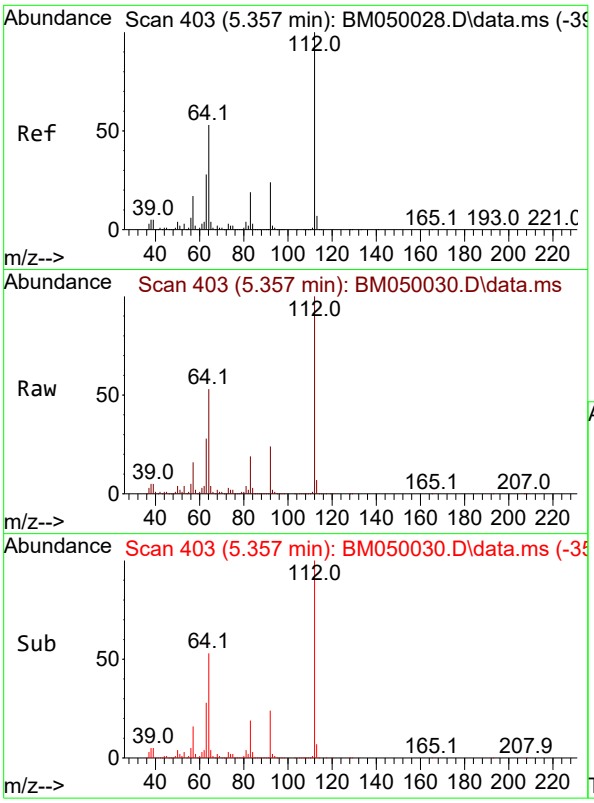


#4
n-Nitrosodimethylamine
Concen: 61.276 ng
RT: 3.563 min Scan# 98
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion: 42 Resp: 360090

Ion	Ratio	Lower	Upper
42	100		
74	153.4	120.2	180.2
44	7.1	6.2	9.2



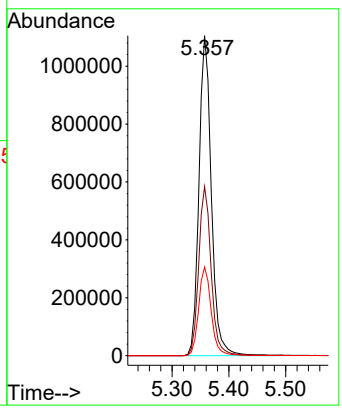


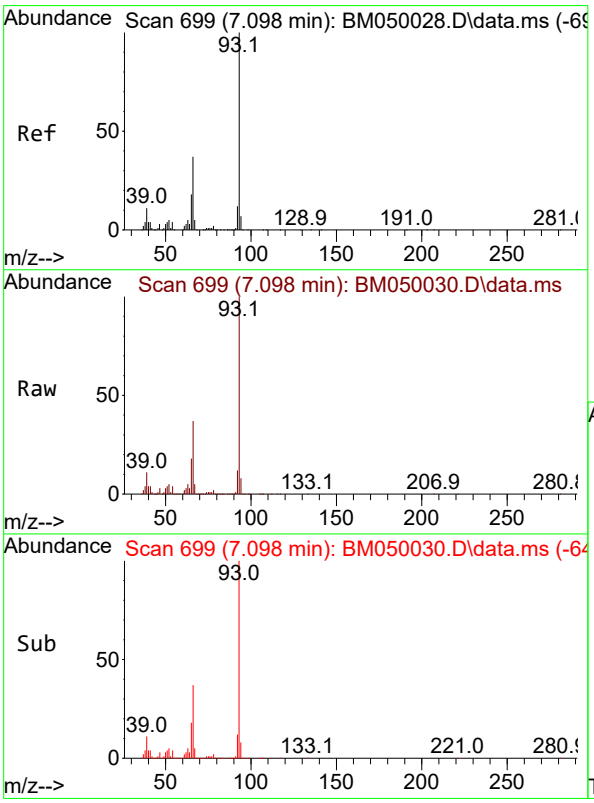
#5
2-Fluorophenol
Concen: 123.234 ng
RT: 5.357 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 1676078

Ion	Ratio	Lower	Upper
112	100		
64	52.8	42.6	64.0
63	27.7	22.2	33.4

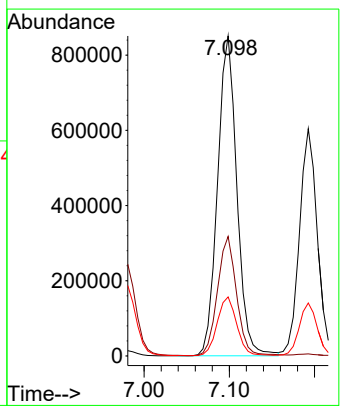


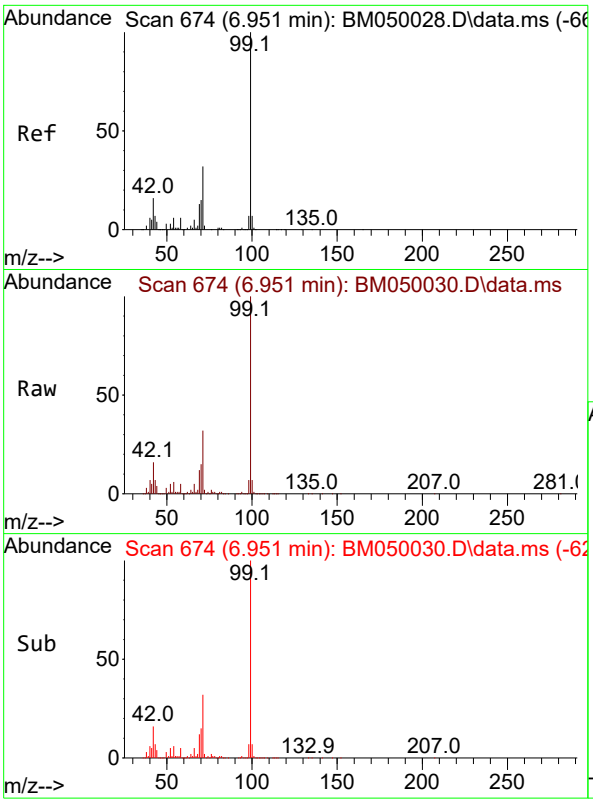


#6
Aniline
Concen: 62.058 ng
RT: 7.098 min Scan# 699
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion: 93 Resp: 1339587

Ion	Ratio	Lower	Upper
93	100		
66	37.4	29.9	44.9
65	18.5	14.5	21.7



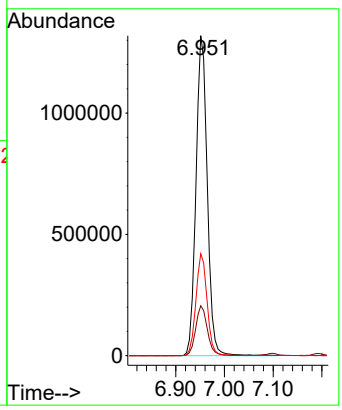


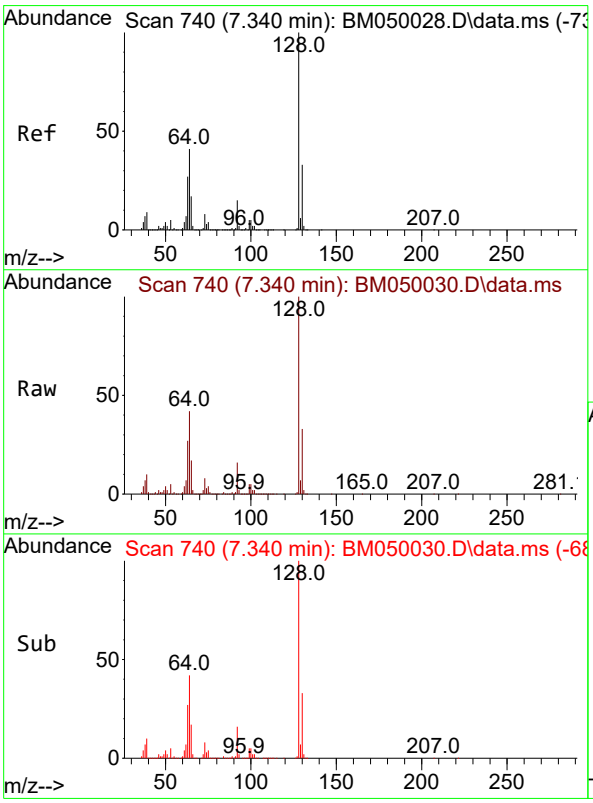
#7
Phenol-d6
Concen: 124.905 ng
RT: 6.951 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 2135178

Ion	Ratio	Lower	Upper
99	100		
42	15.6	13.0	19.4
71	31.8	25.6	38.4

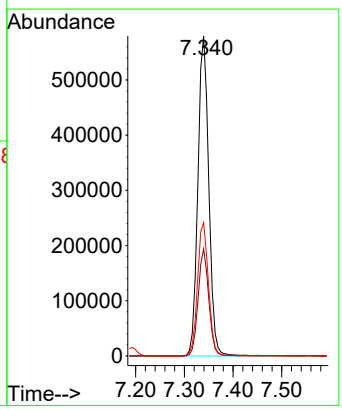


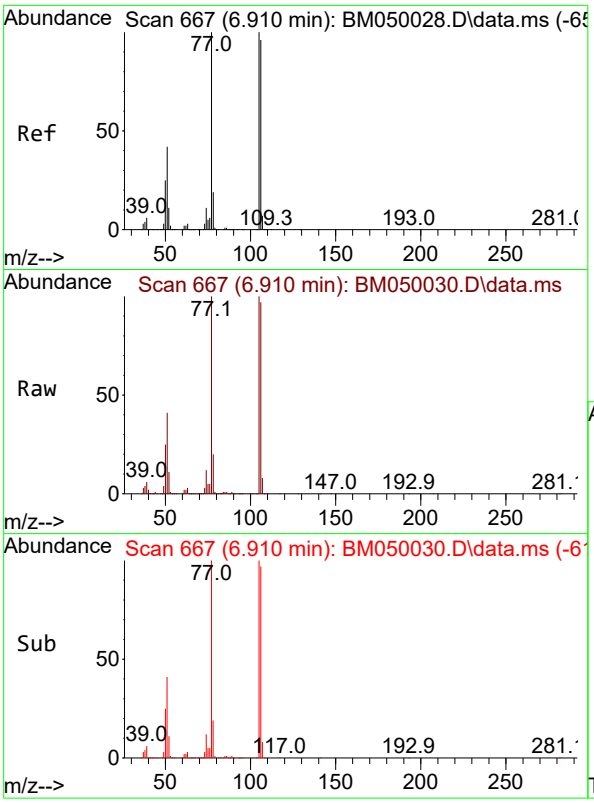


#8
2-Chlorophenol
Concen: 61.600 ng
RT: 7.340 min Scan# 740
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:128 Resp: 905849

Ion	Ratio	Lower	Upper
128	100		
130	33.5	12.8	52.8
64	41.7	21.2	61.2



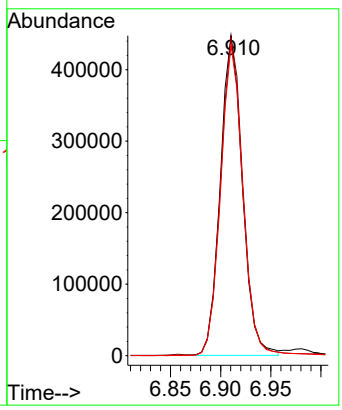


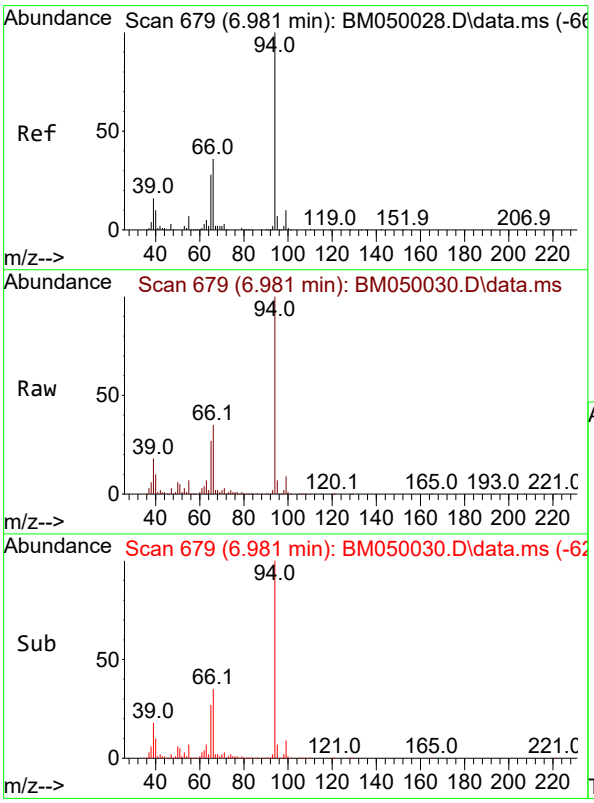
#9
Benzaldehyde
Concen: 59.793 ng
RT: 6.910 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 683177

Ion	Ratio	Lower	Upper
77	100		
105	99.6	80.5	120.5
106	97.1	76.1	116.1

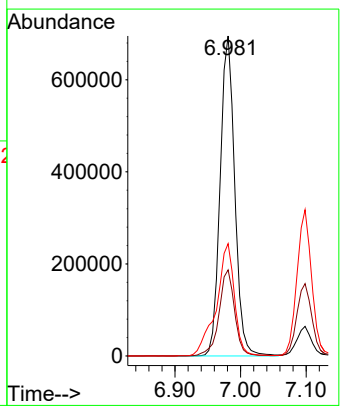


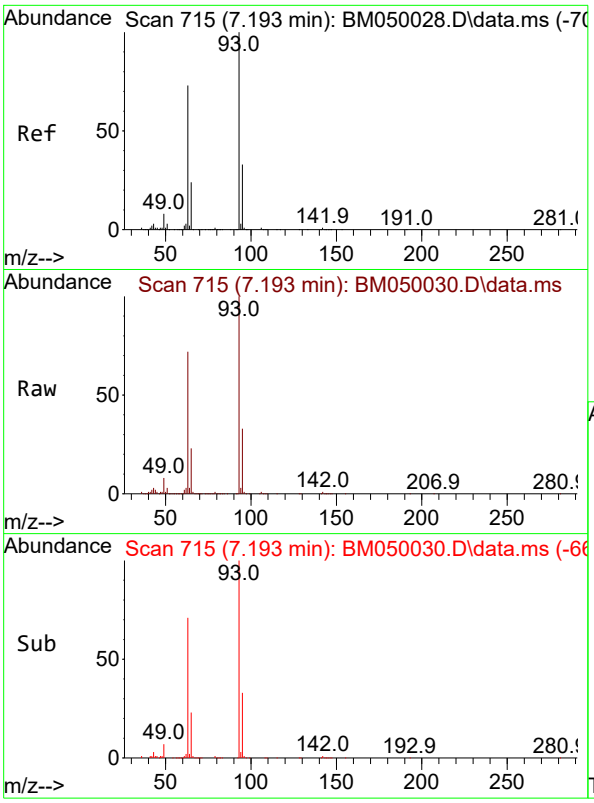


#10
Phenol
Concen: 61.956 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion: 94 Resp: 1072175

Ion	Ratio	Lower	Upper
94	100		
65	26.9	7.6	47.6
66	35.1	15.8	55.8



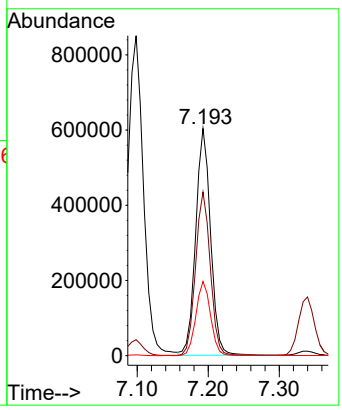


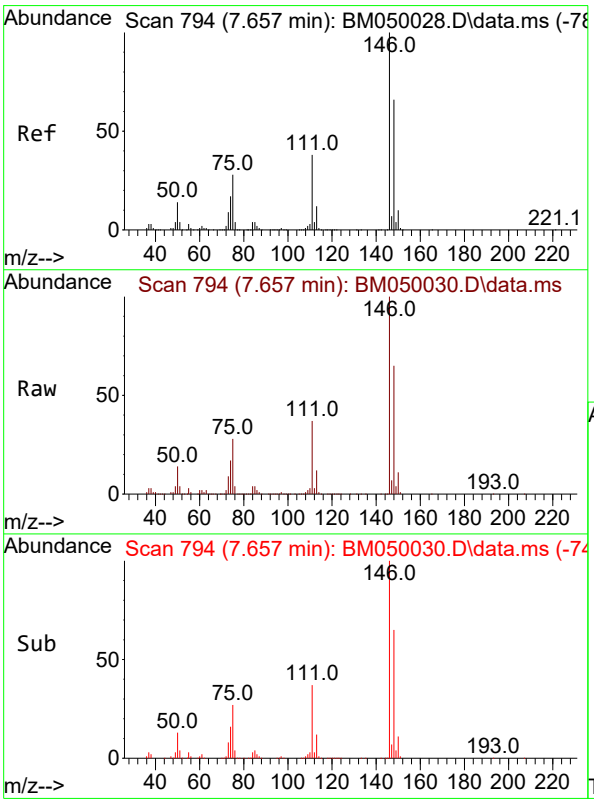
#11
bis(2-Chloroethyl)ether
Concen: 60.947 ng
RT: 7.193 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 880705

Ion	Ratio	Lower	Upper
93	100		
63	72.0	52.3	92.3
95	32.7	12.8	52.8

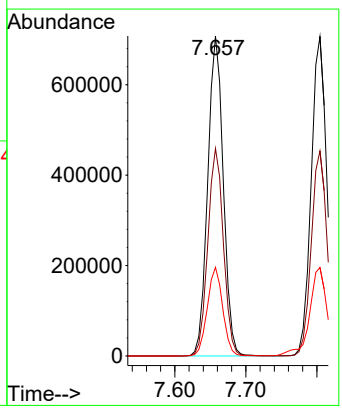


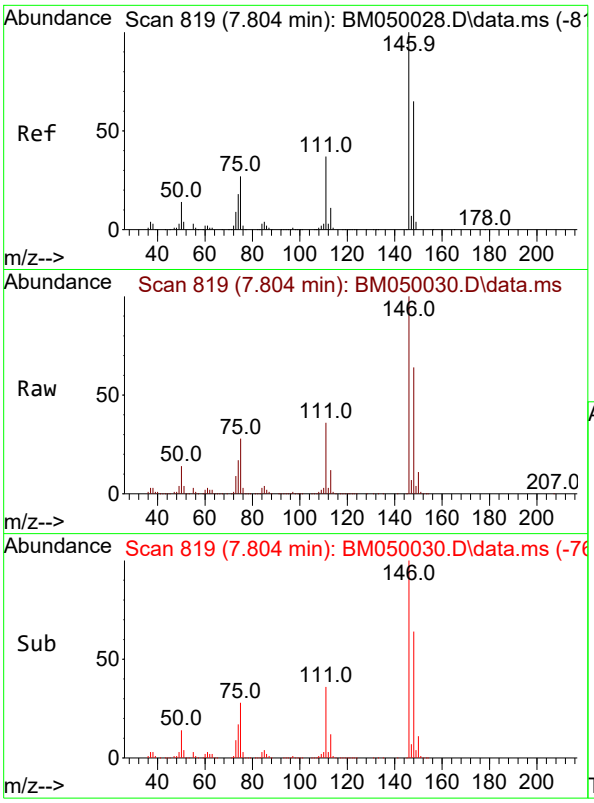


#12
1,3-Dichlorobenzene
Concen: 60.670 ng
RT: 7.657 min Scan# 794
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:146 Resp: 1077725

Ion	Ratio	Lower	Upper
146	100		
148	64.9	52.5	78.7
75	27.7	22.6	34.0



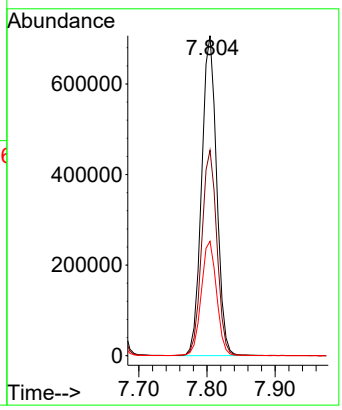


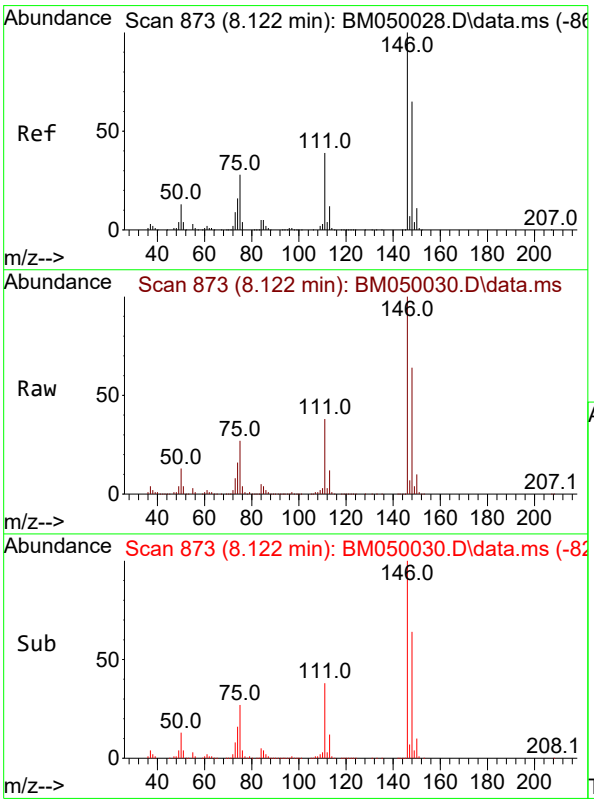
#13
1,4-Dichlorobenzene
Concen: 60.707 ng
RT: 7.804 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 1083367

Ion	Ratio	Lower	Upper
146	100		
148	64.2	52.2	78.2
111	35.7	29.3	43.9

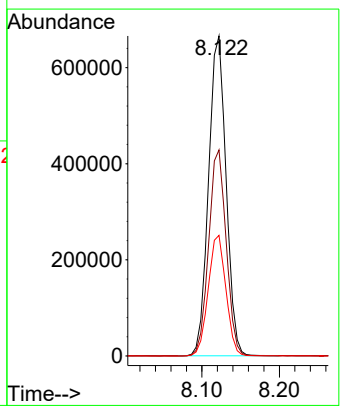


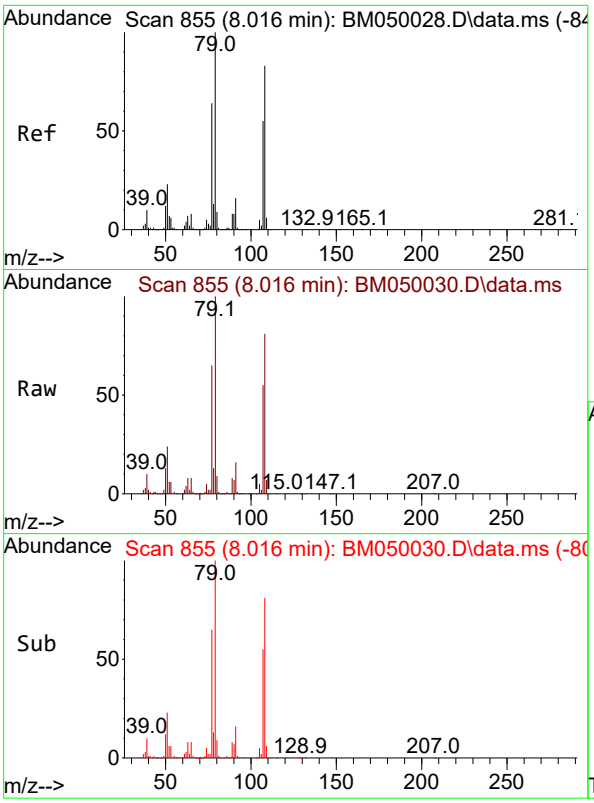


#14
1,2-Dichlorobenzene
Concen: 60.691 ng
RT: 8.122 min Scan# 873
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:146 Resp: 1046214

Ion	Ratio	Lower	Upper
146	100		
148	64.4	52.4	78.6
111	37.7	31.0	46.6



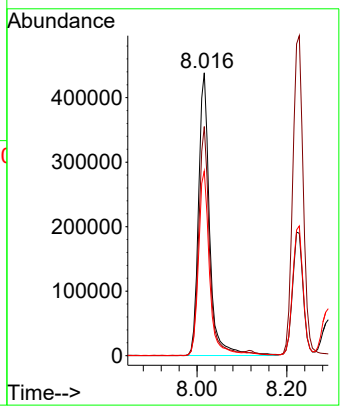


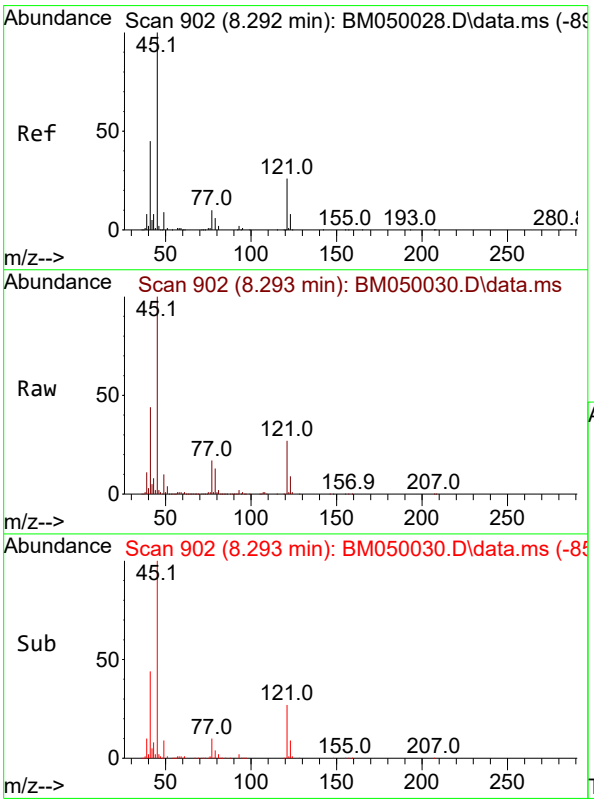
#15
Benzyl Alcohol
Concen: 63.306 ng
RT: 8.016 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 750490

Ion	Ratio	Lower	Upper
79	100		
108	81.0	66.0	99.0
77	65.3	51.6	77.4

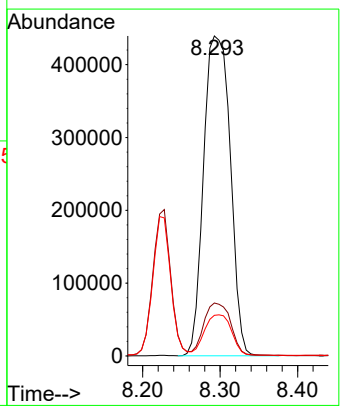


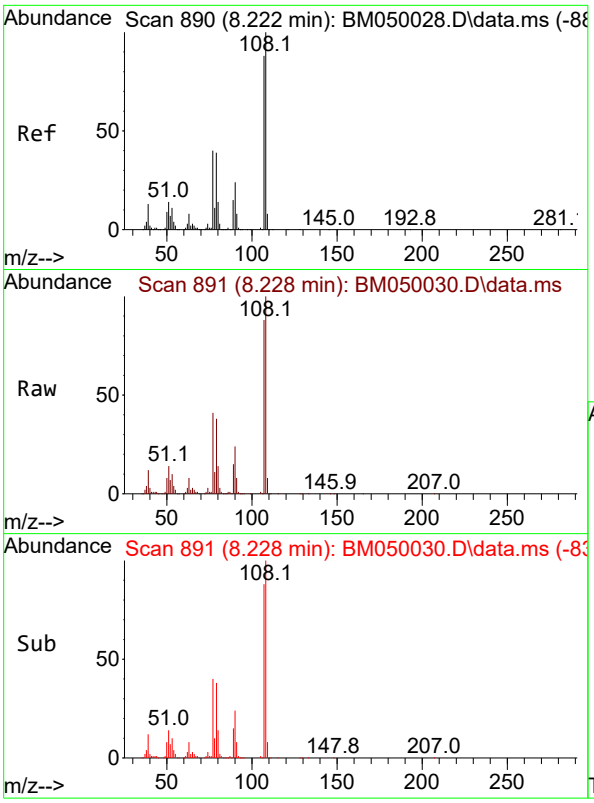


#16
2,2'-oxybis(1-Chloropropane)
Concen: 59.922 ng
RT: 8.293 min Scan# 902
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion: 45 Resp: 1052561

Ion	Ratio	Lower	Upper
45	100		
77	16.6	0.0	36.4
79	12.7	0.0	32.7



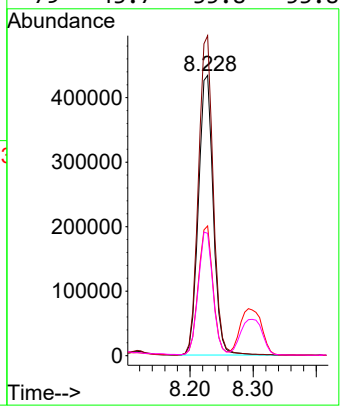


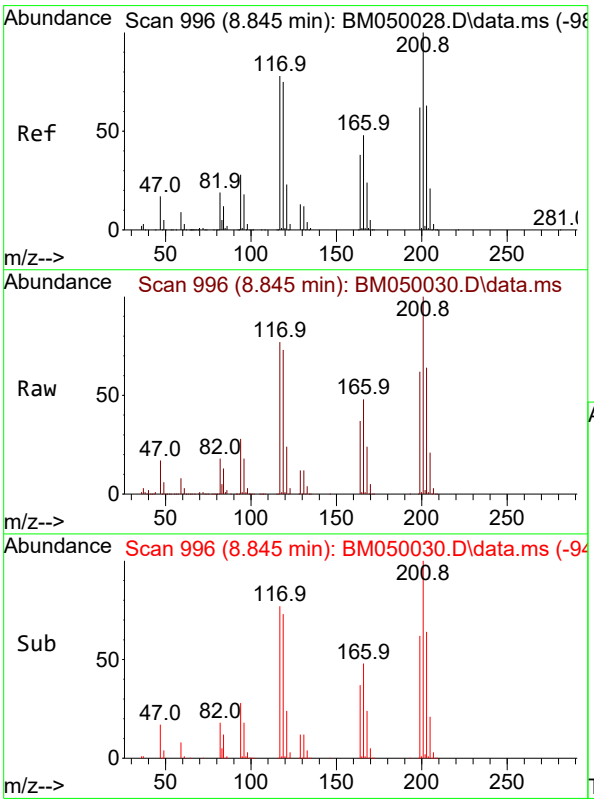
#17
2-Methylphenol
Concen: 61.914 ng
RT: 8.228 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 705836

Ion	Ratio	Lower	Upper
107	100		
108	114.2	91.1	136.7
77	46.3	36.2	54.4
79	43.7	35.8	53.8

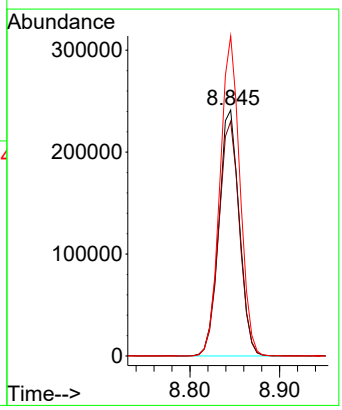


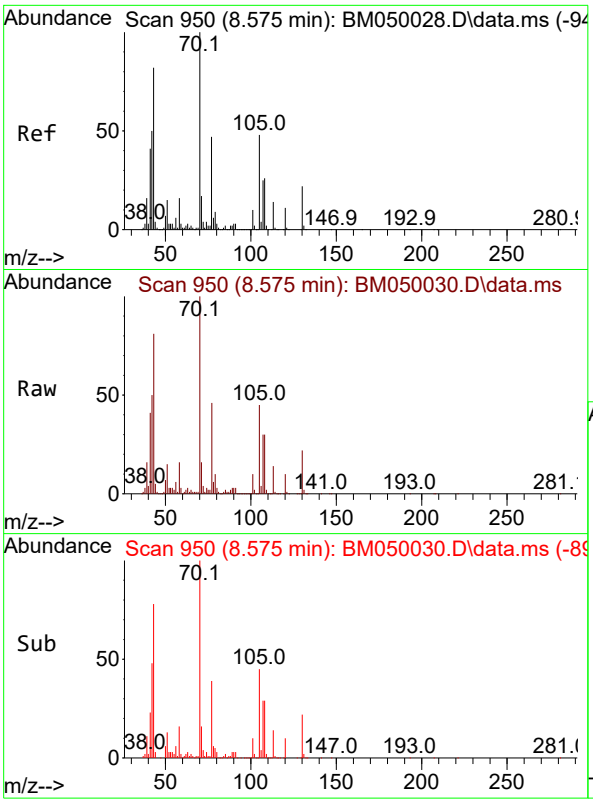


#18
Hexachloroethane
Concen: 60.018 ng
RT: 8.845 min Scan# 996
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:117 Resp: 380742

Ion	Ratio	Lower	Upper
117	100		
119	95.4	77.3	115.9
201	130.1	102.8	154.2



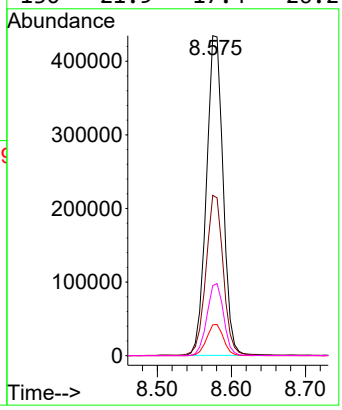


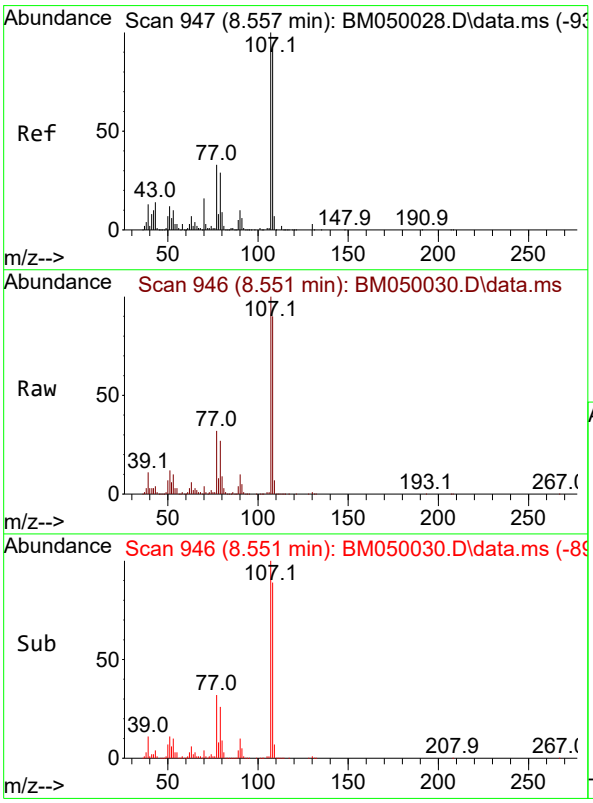
#19
n-Nitroso-di-n-propylamine
Concen: 61.851 ng
RT: 8.575 min Scan# 9
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 678107

Ion	Ratio	Lower	Upper
70	100		
42	50.1	40.5	60.7
101	9.7	7.8	11.6
130	21.9	17.4	26.2

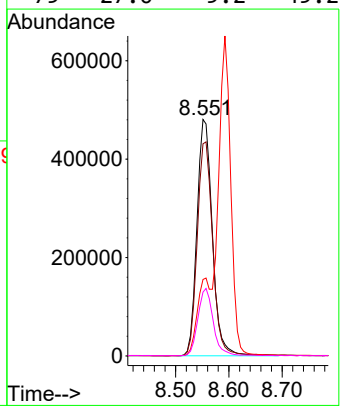


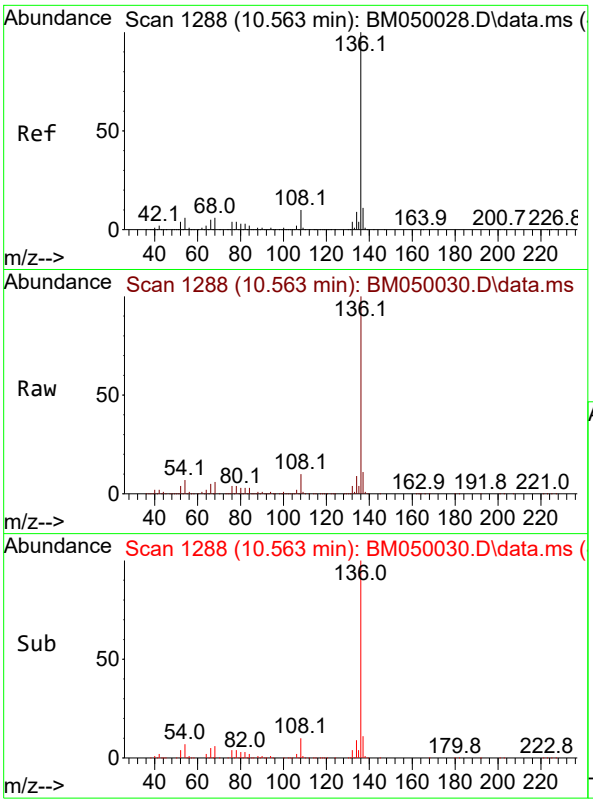


#20
3+4-Methylphenols
Concen: 62.619 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.006 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:107 Resp: 964063

Ion	Ratio	Lower	Upper
107	100		
108	89.8	72.4	112.4
77	32.4	13.6	53.6
79	27.0	9.2	49.2



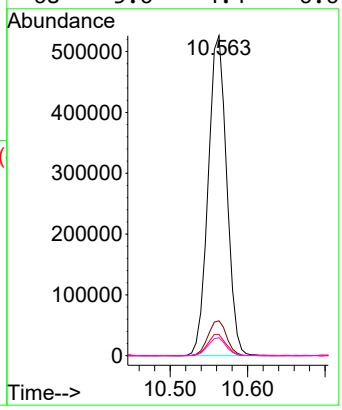


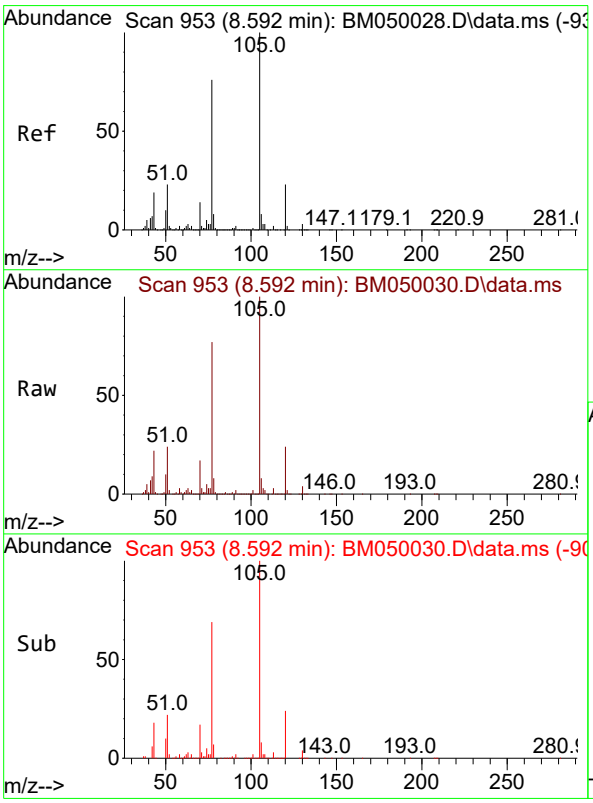
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 873845

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.7	5.1	7.7
68	5.6	4.4	6.6

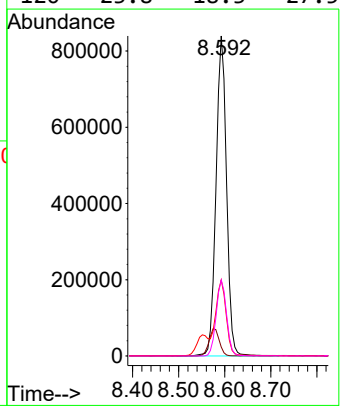


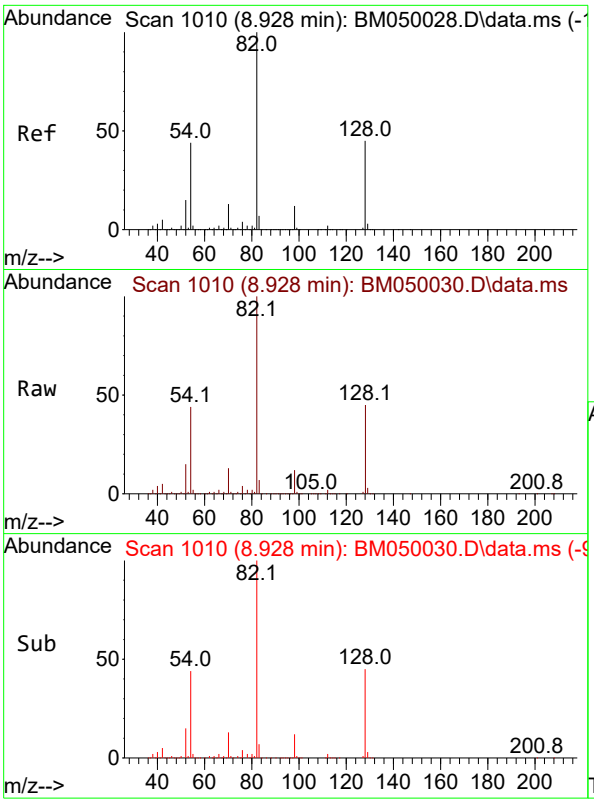


#22
Acetophenone
Concen: 61.030 ng
RT: 8.592 min Scan# 953
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:105 Resp: 1325893

Ion	Ratio	Lower	Upper
105	100		
71	2.8	1.7	2.5#
51	23.7	18.6	27.8
120	23.8	18.3	27.5



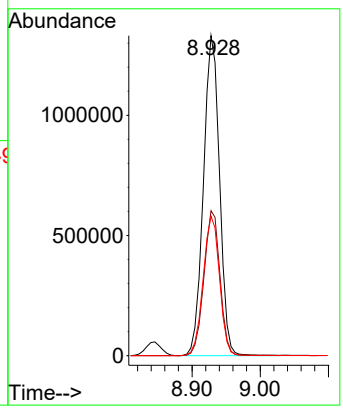


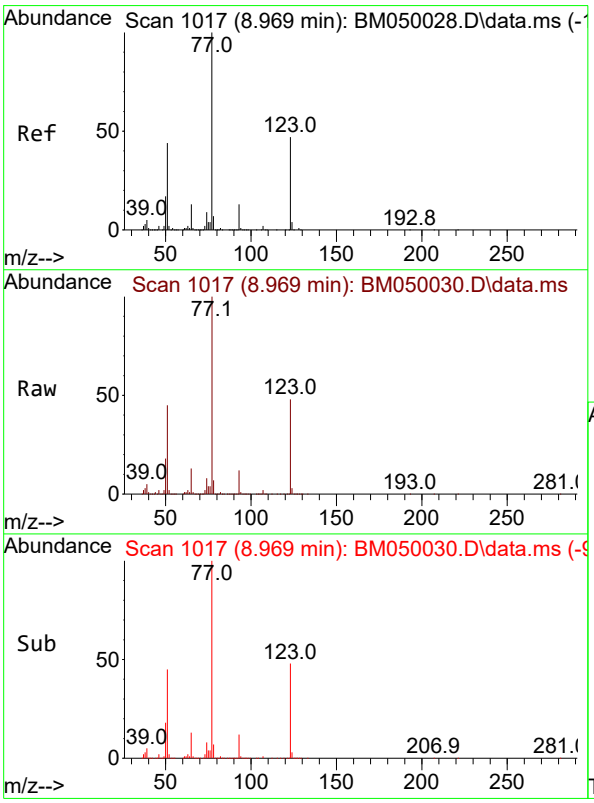
#23
Nitrobenzene-d5
Concen: 123.300 ng
RT: 8.928 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 2186546

Ion	Ratio	Lower	Upper
82	100		
128	45.3	35.7	53.5
54	43.6	35.4	53.2

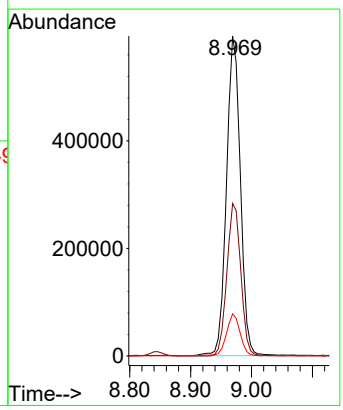


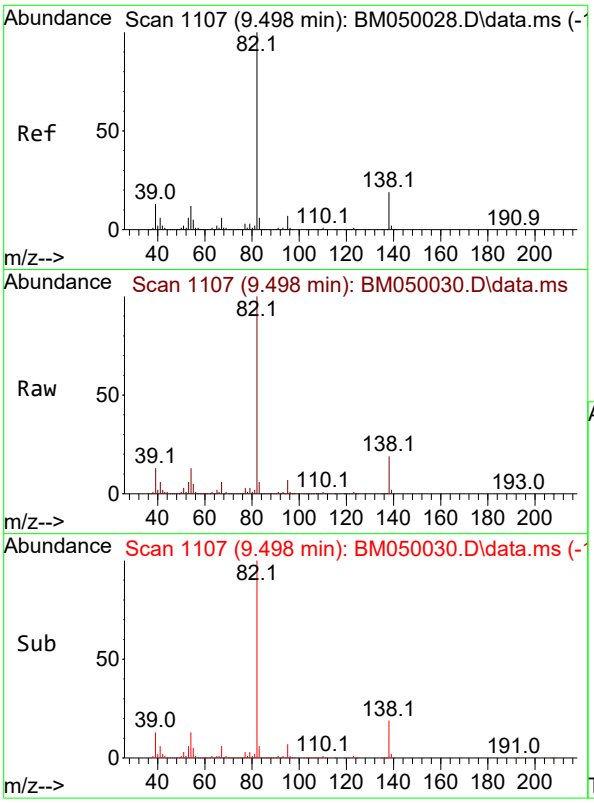


#24
Nitrobenzene
Concen: 61.193 ng
RT: 8.969 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion: 77 Resp: 938300

Ion	Ratio	Lower	Upper
77	100		
123	47.6	37.9	56.9
65	13.2	10.1	15.1



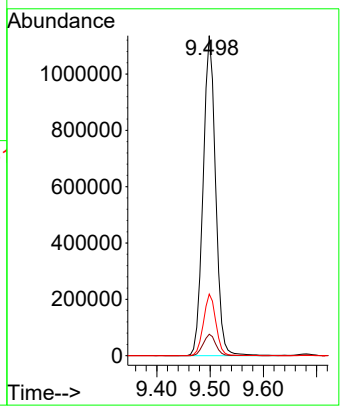


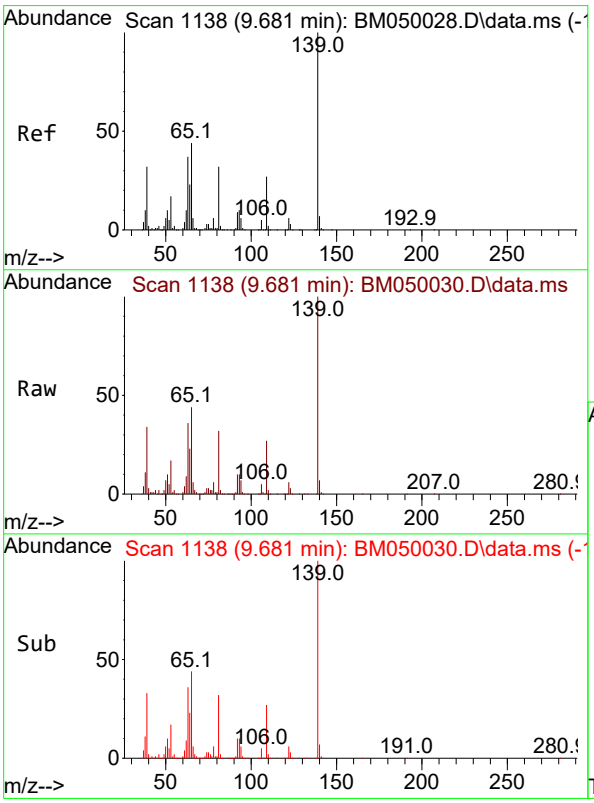
#25
Isophorone
Concen: 61.044 ng
RT: 9.498 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 1845274

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.7	8.5
138	19.2	15.5	23.3

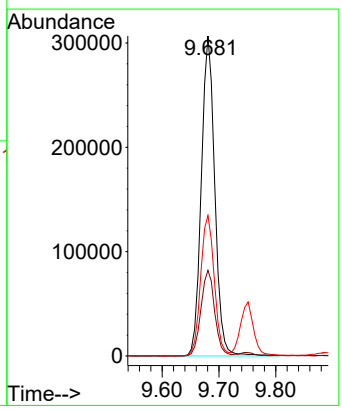


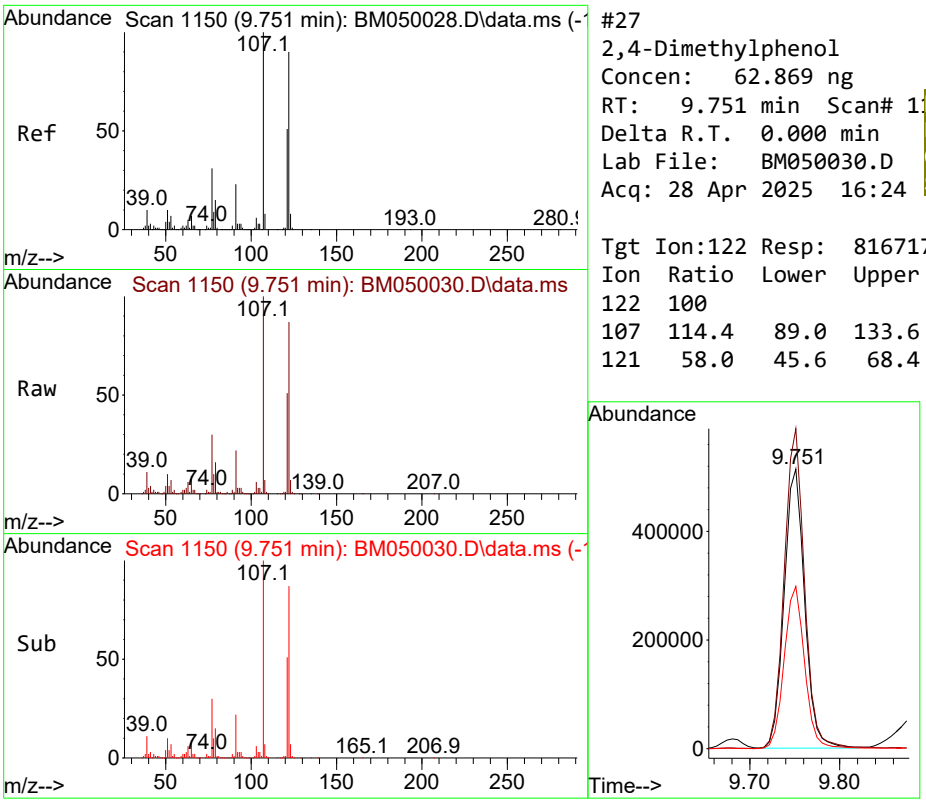


#26
2-Nitrophenol
Concen: 64.395 ng
RT: 9.681 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:139 Resp: 504441

Ion	Ratio	Lower	Upper
139	100		
109	26.8	21.9	32.9
65	43.9	35.4	53.2



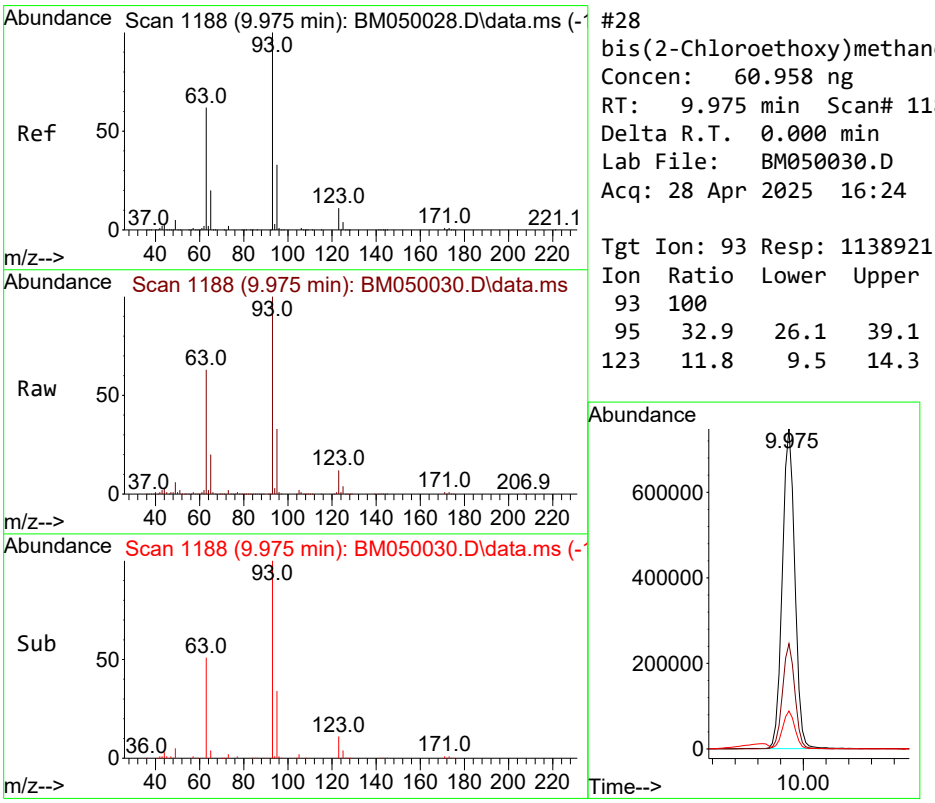


#27
2,4-Dimethylphenol
Concen: 62.869 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 816717

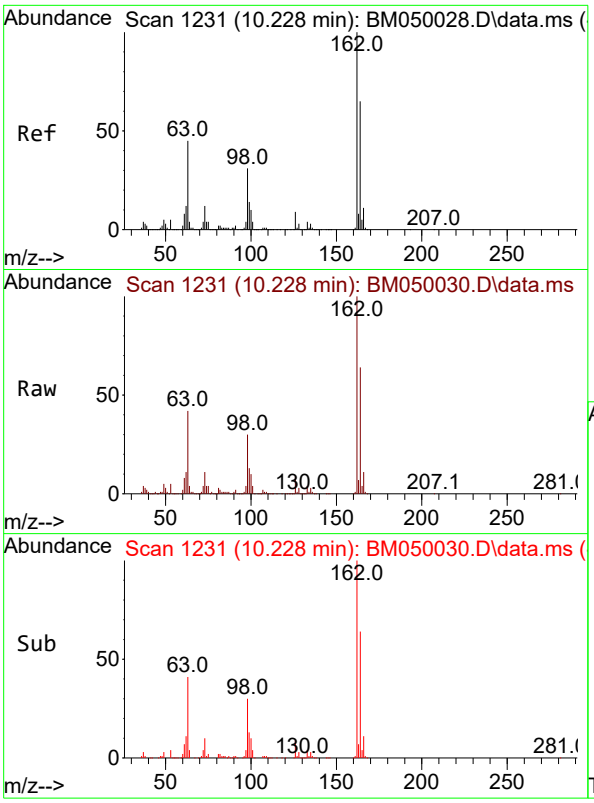
Ion	Ratio	Lower	Upper
122	100		
107	114.4	89.0	133.6
121	58.0	45.6	68.4



#28
bis(2-Chloroethoxy)methane
Concen: 60.958 ng
RT: 9.975 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion: 93 Resp: 1138921

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.1	39.1
123	11.8	9.5	14.3

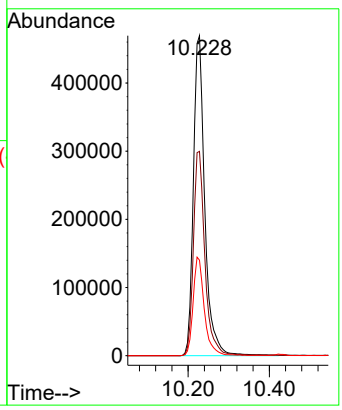


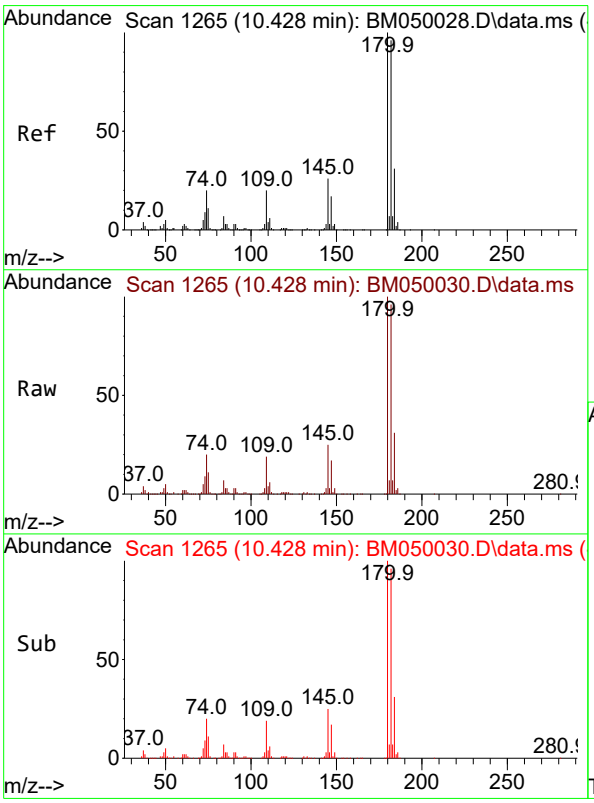
#29
2,4-Dichlorophenol
Concen: 63.266 ng
RT: 10.228 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 920741

Ion	Ratio	Lower	Upper
162	100		
164	63.9	45.4	85.4
98	29.8	11.3	51.3

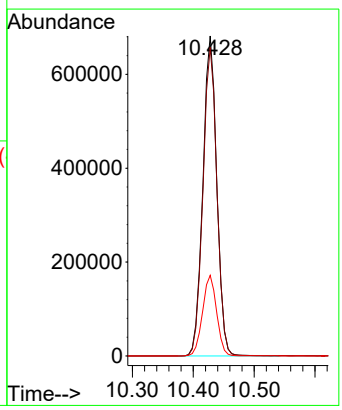


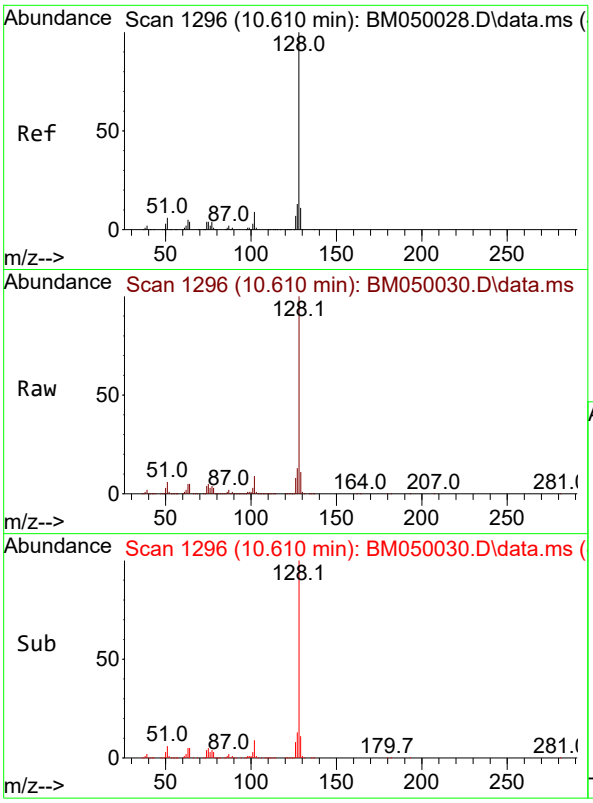


#30
1,2,4-Trichlorobenzene
Concen: 60.907 ng
RT: 10.428 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:180 Resp: 1079970

Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.0	115.4
145	25.2	20.6	30.8



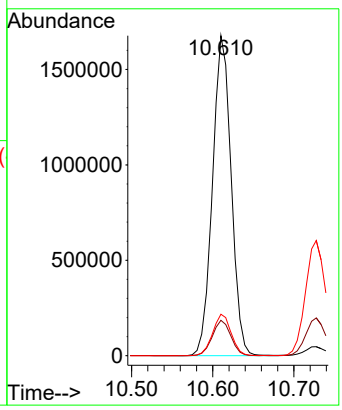


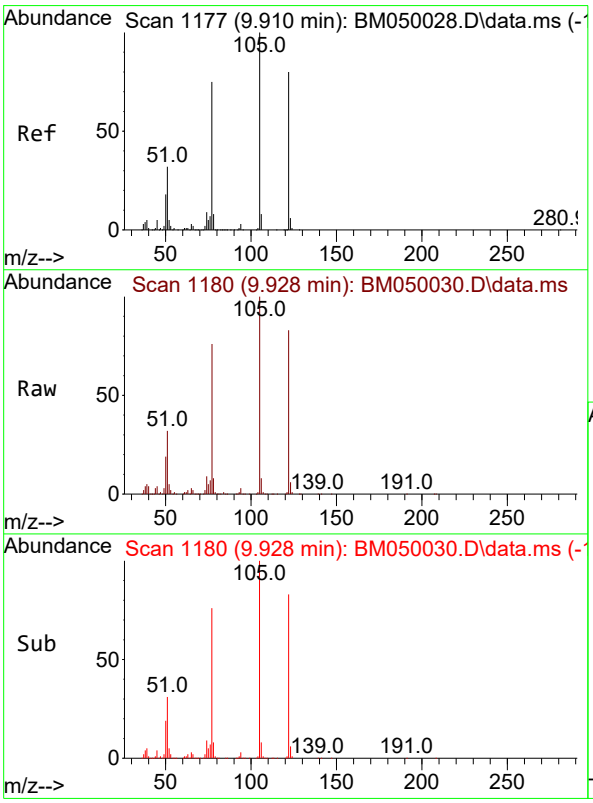
#31
Naphthalene
Concen: 60.626 ng
RT: 10.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 2682942

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	13.0	10.4	15.6

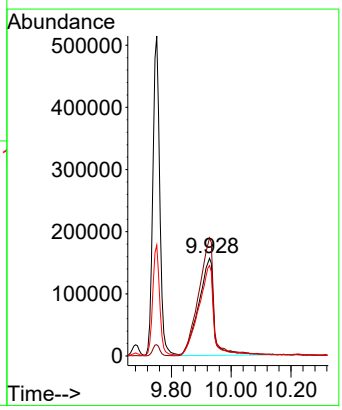


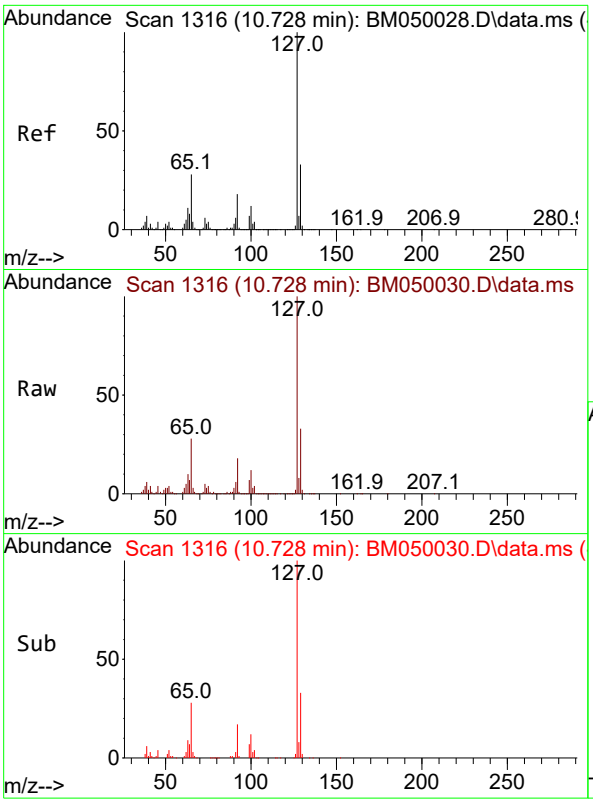


#32
Benzoic acid
Concen: 67.178 ng
RT: 9.928 min Scan# 1180
Delta R.T. 0.018 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:122 Resp: 556598

Ion	Ratio	Lower	Upper
122	100		
105	120.9	103.6	143.6
77	92.5	73.7	113.7



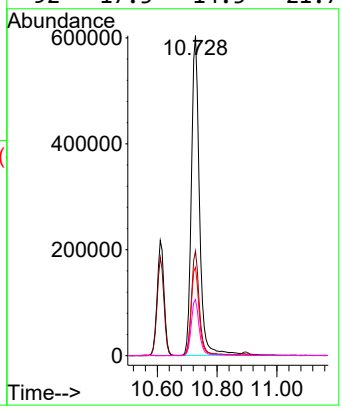


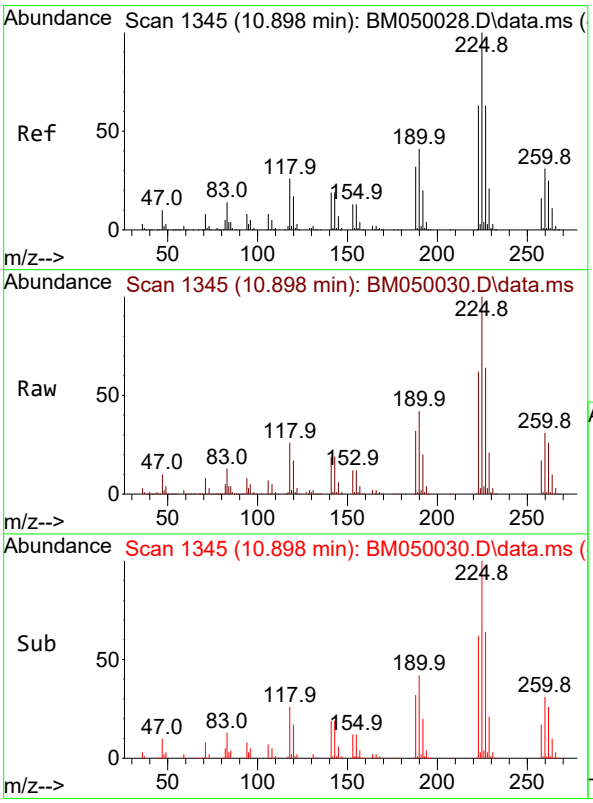
#33
4-Chloroaniline
Concen: 63.184 ng
RT: 10.728 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 1146085

Ion	Ratio	Lower	Upper
127	100		
129	32.7	26.3	39.5
65	27.6	22.5	33.7
92	17.5	14.5	21.7

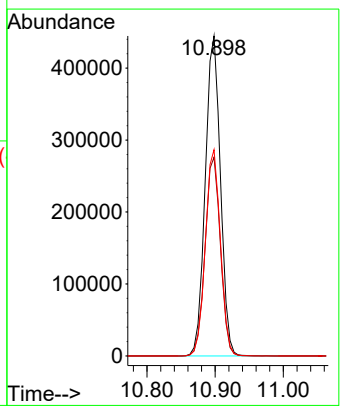


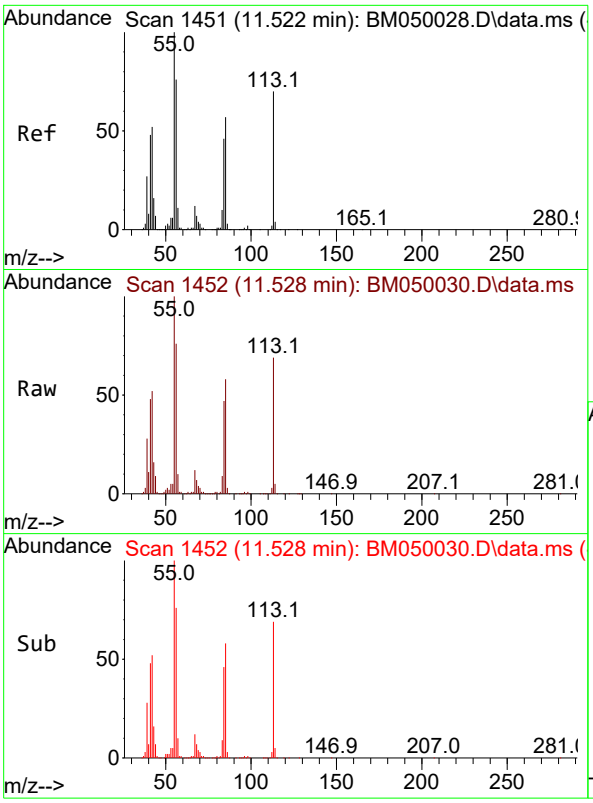


#34
Hexachlorobutadiene
Concen: 61.230 ng
RT: 10.898 min Scan# 1345
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:225 Resp: 689159

Ion	Ratio	Lower	Upper
225	100		
223	62.1	50.2	75.2
227	64.5	50.6	76.0



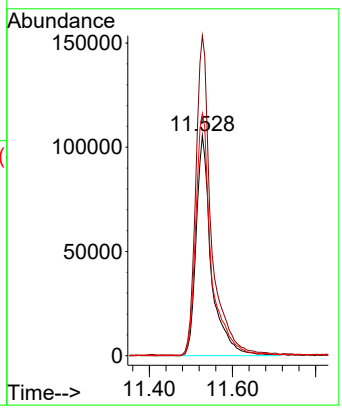


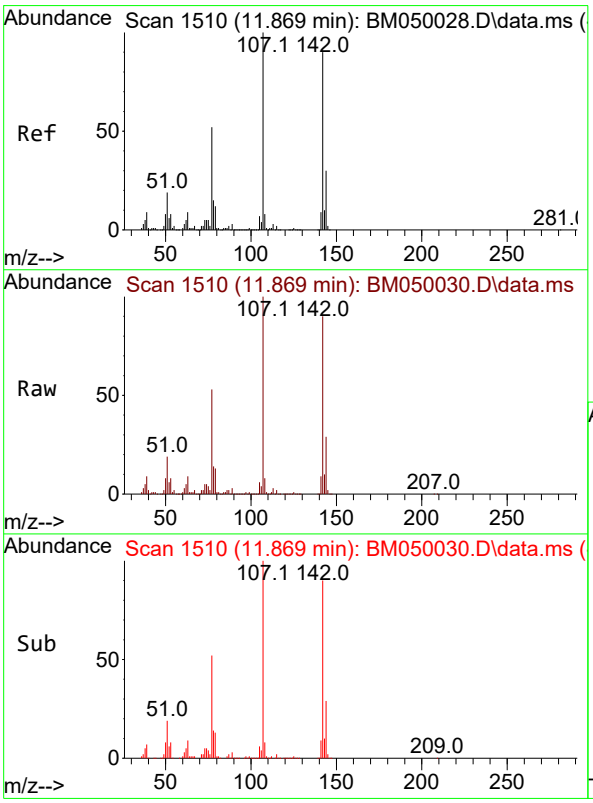
#35
Caprolactam
Concen: 62.845 ng
RT: 11.528 min Scan# 14
Delta R.T. 0.006 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 266678

Ion	Ratio	Lower	Upper
113	100		
55	145.4	122.9	162.9
56	110.1	88.1	128.1

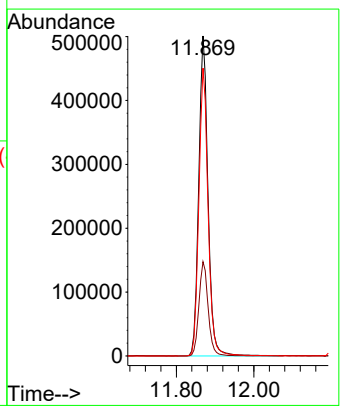


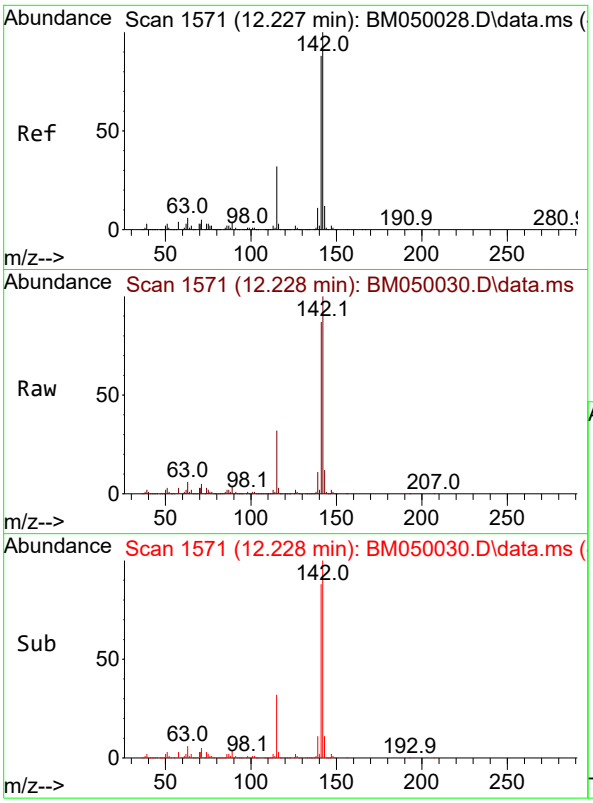


#36
4-Chloro-3-methylphenol
Concen: 61.882 ng
RT: 11.869 min Scan# 1510
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:107 Resp: 832050

Ion	Ratio	Lower	Upper
107	100		
144	29.4	23.8	35.6
142	89.9	71.9	107.9



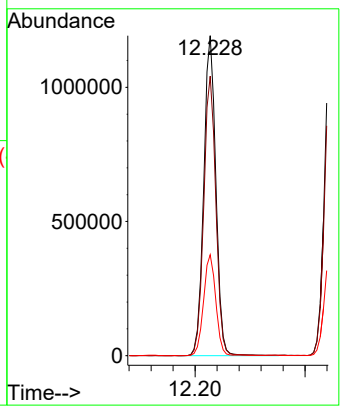


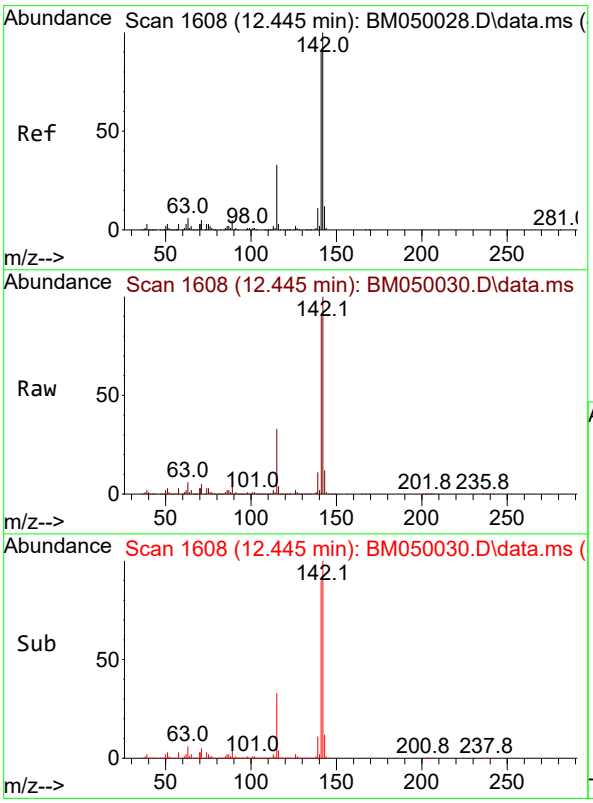
#37
2-Methylnaphthalene
Concen: 61.185 ng
RT: 12.228 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 1815345

Ion	Ratio	Lower	Upper
142	100		
141	87.4	70.4	105.6
115	31.5	25.4	38.2

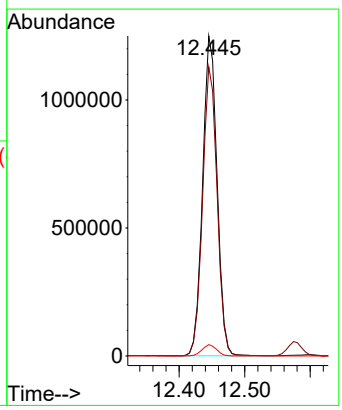


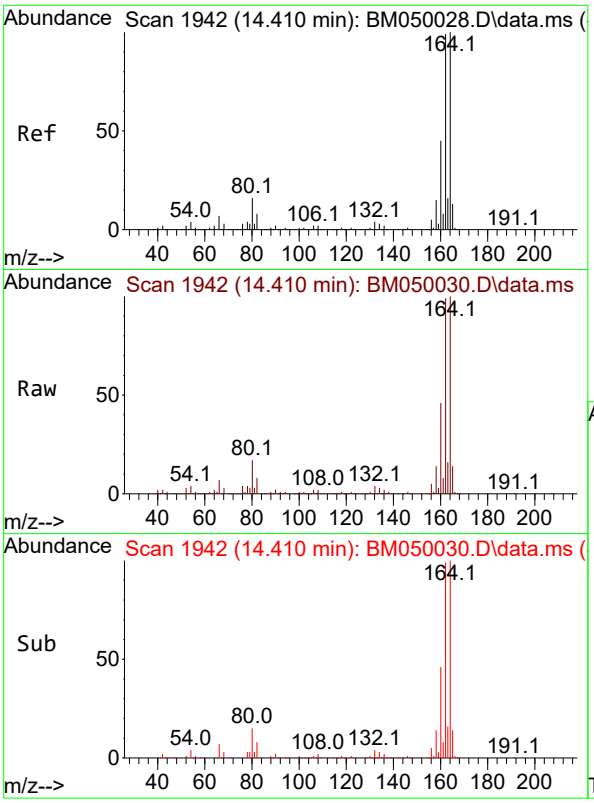


#38
1-Methylnaphthalene
Concen: 61.021 ng
RT: 12.445 min Scan# 1608
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:142 Resp: 1916000

Ion	Ratio	Lower	Upper
142	100		
141	90.4	72.1	108.1
116	3.5	2.7	4.1



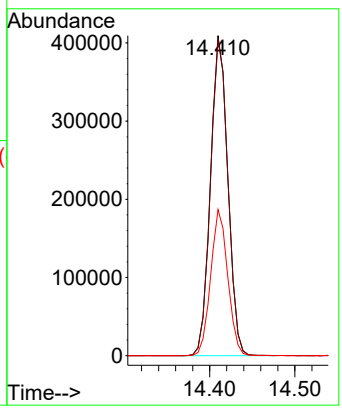


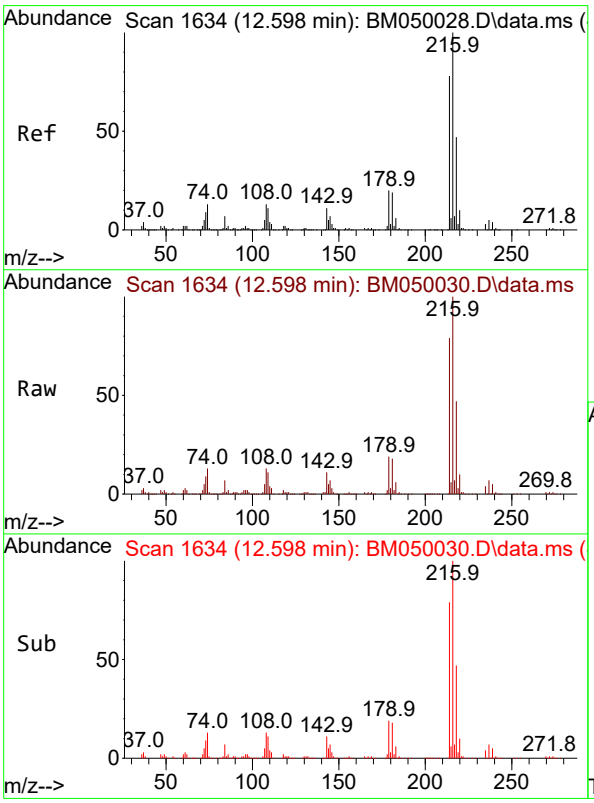
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 580977

Ion	Ratio	Lower	Upper
164	100		
162	98.6	79.4	119.0
160	45.7	36.2	54.4

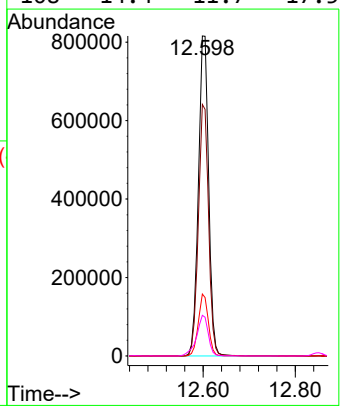


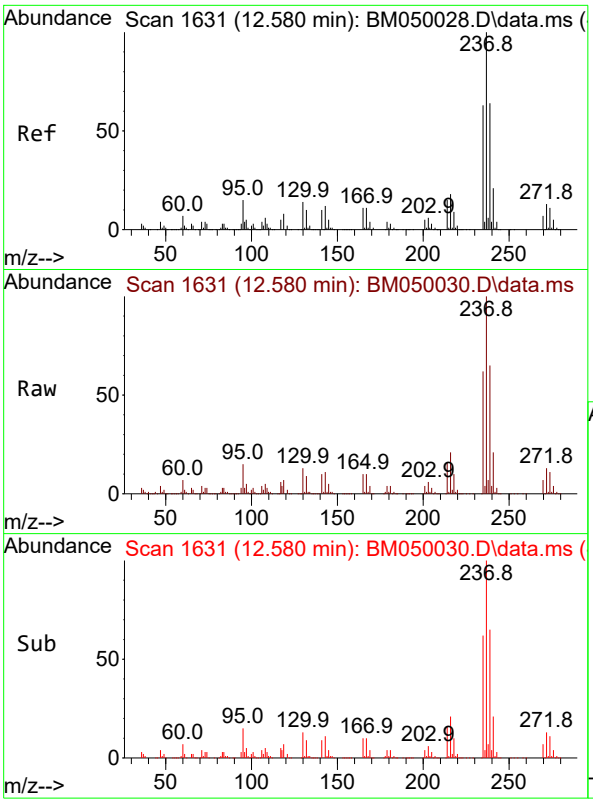


#40
1,2,4,5-Tetrachlorobenzene
Concen: 62.853 ng
RT: 12.598 min Scan# 1634
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:216 Resp: 1264090

Ion	Ratio	Lower	Upper
216	100		
214	78.2	62.3	93.5
179	18.9	15.4	23.0
108	14.4	11.7	17.5



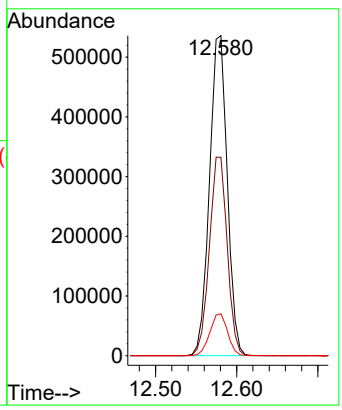


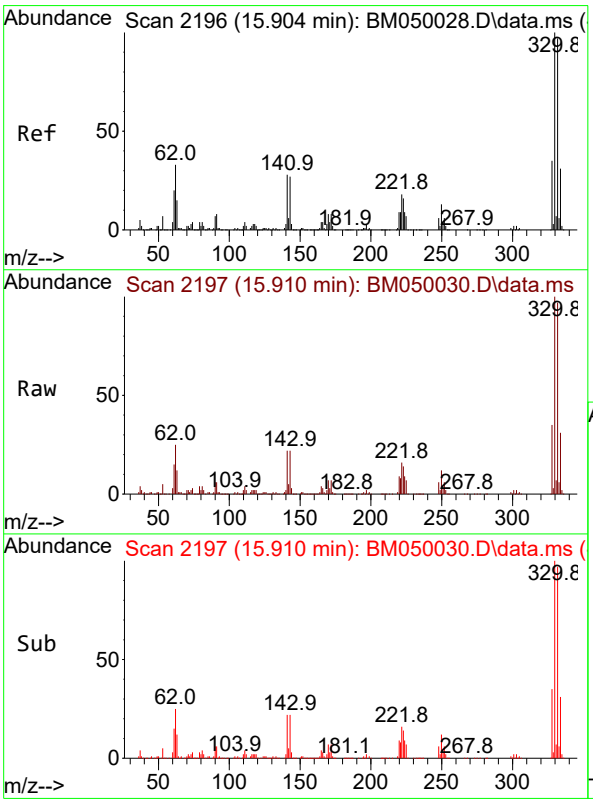
#41
Hexachlorocyclopentadiene
Concen: 66.248 ng
RT: 12.580 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 814238

Ion	Ratio	Lower	Upper
237	100		
235	62.0	42.9	82.9
272	13.1	0.0	32.9

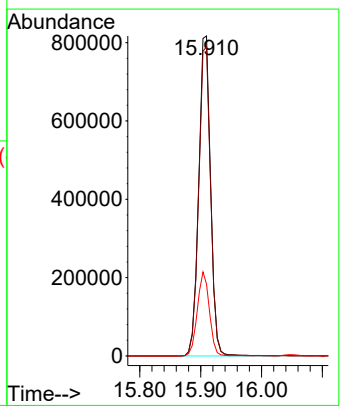


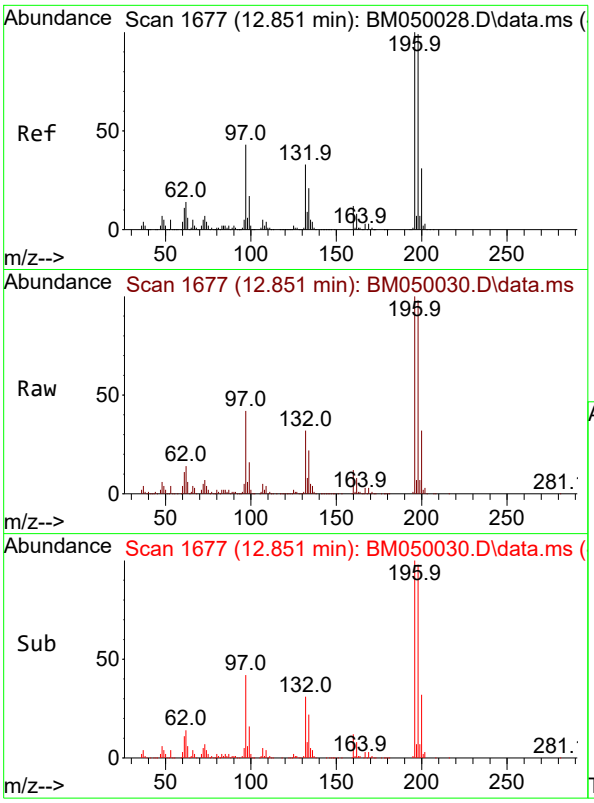


#42
2,4,6-Tribromophenol
Concen: 128.968 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.006 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:330 Resp: 1107899

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.3	115.9
141	26.6	22.5	33.7



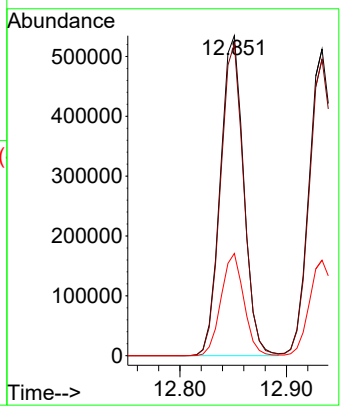


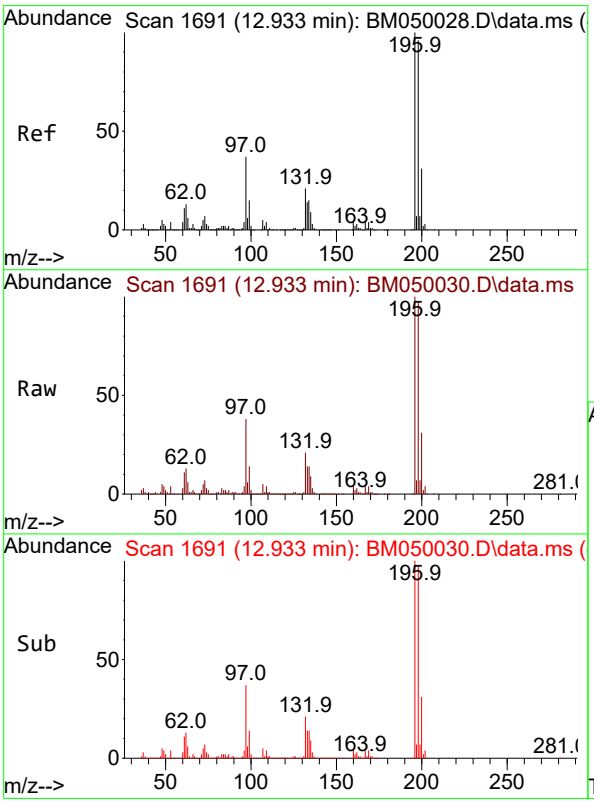
#43
2,4,6-Trichlorophenol
Concen: 63.832 ng
RT: 12.851 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 814256

Ion	Ratio	Lower	Upper
196	100		
198	97.5	79.0	118.6
200	31.9	25.1	37.7

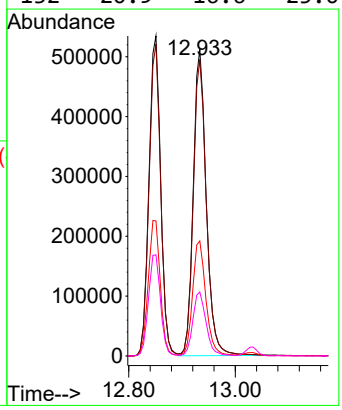


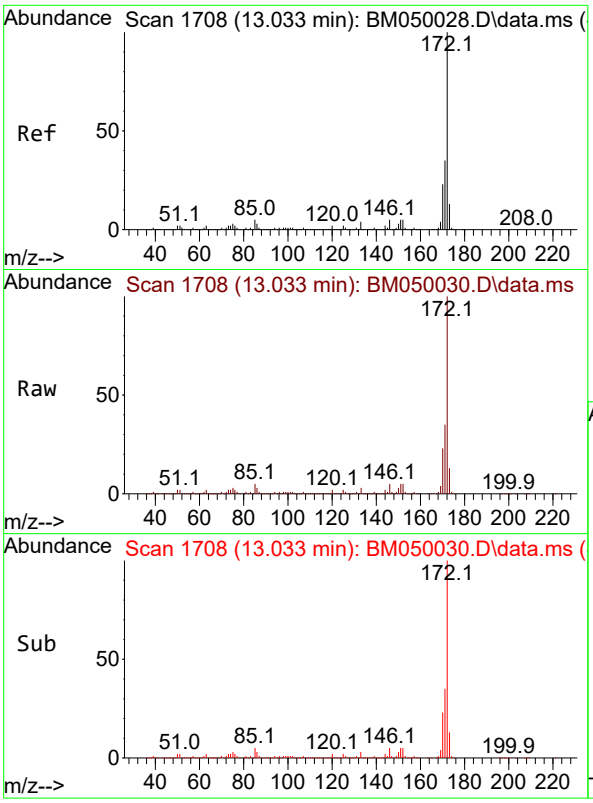


#44
2,4,5-Trichlorophenol
Concen: 63.459 ng
RT: 12.933 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:196 Resp: 872921

Ion	Ratio	Lower	Upper
196	100		
198	96.7	76.7	115.1
97	37.5	30.1	45.1
132	20.9	16.6	25.0



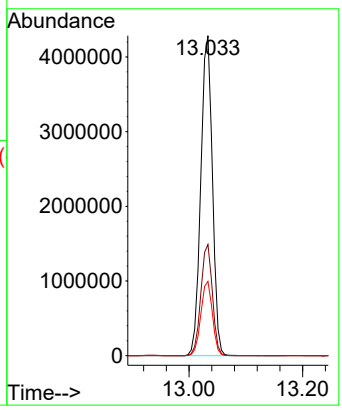


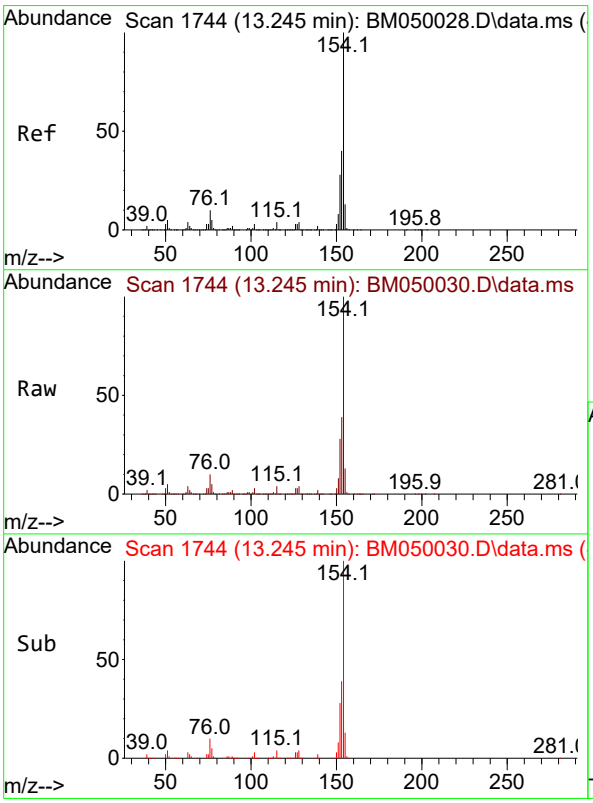
#45
2-Fluorobiphenyl
Concen: 123.782 ng
RT: 13.033 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 6079094

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.8	41.6
170	23.2	18.6	28.0

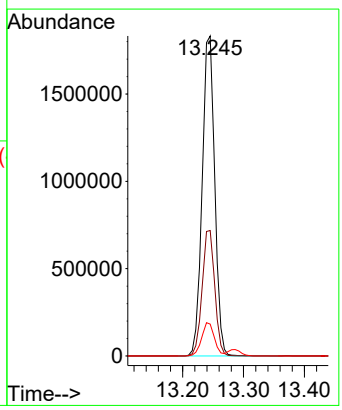


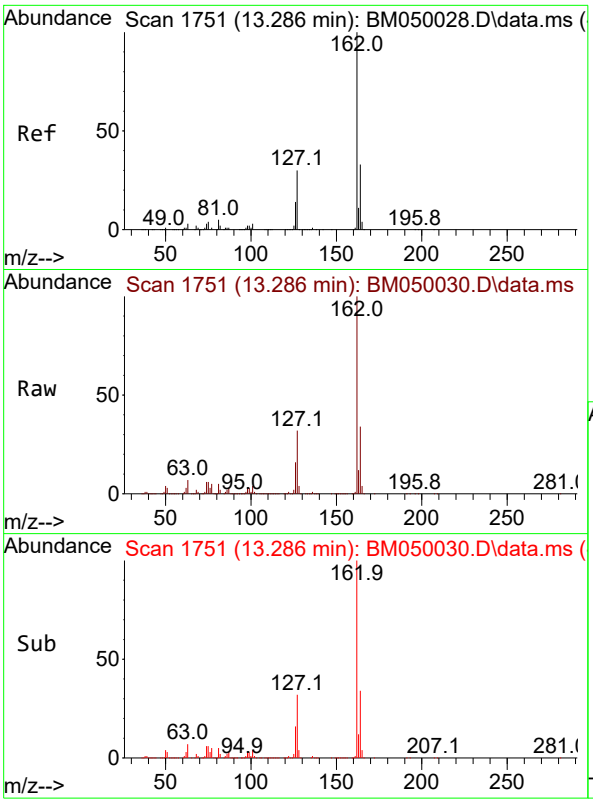


#46
1,1'-Biphenyl
Concen: 60.817 ng
RT: 13.245 min Scan# 1744
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:154 Resp: 2626494

Ion	Ratio	Lower	Upper
154	100		
153	39.2	20.0	60.0
76	9.9	0.0	30.3



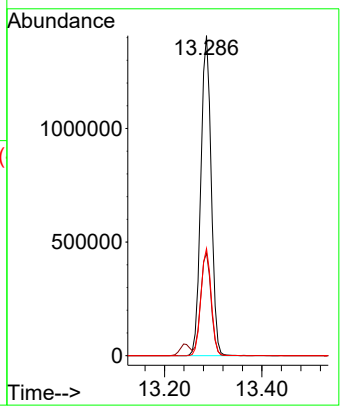


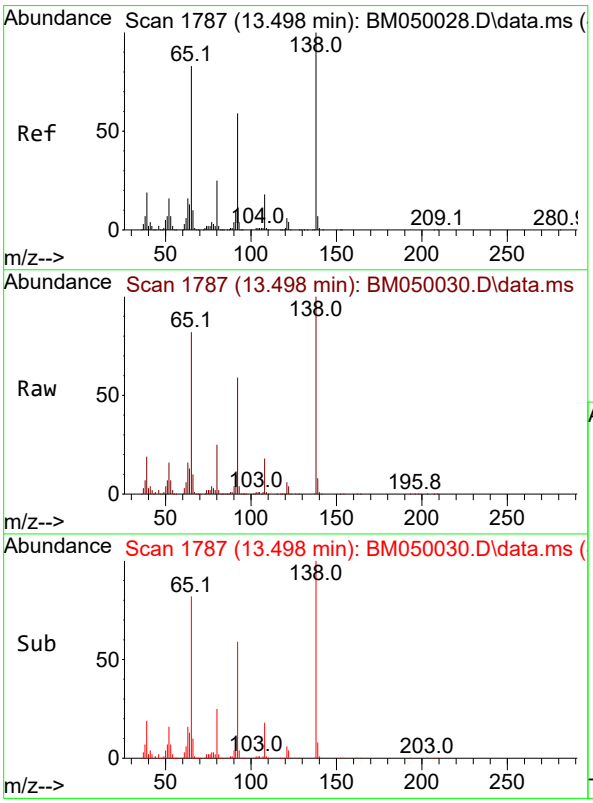
#47
2-Chloronaphthalene
Concen: 60.760 ng
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 2078242

Ion	Ratio	Lower	Upper
162	100		
127	32.1	25.9	38.9
164	33.5	26.6	40.0

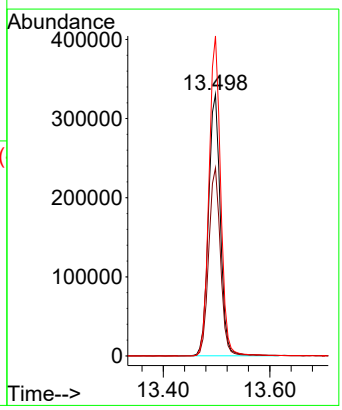


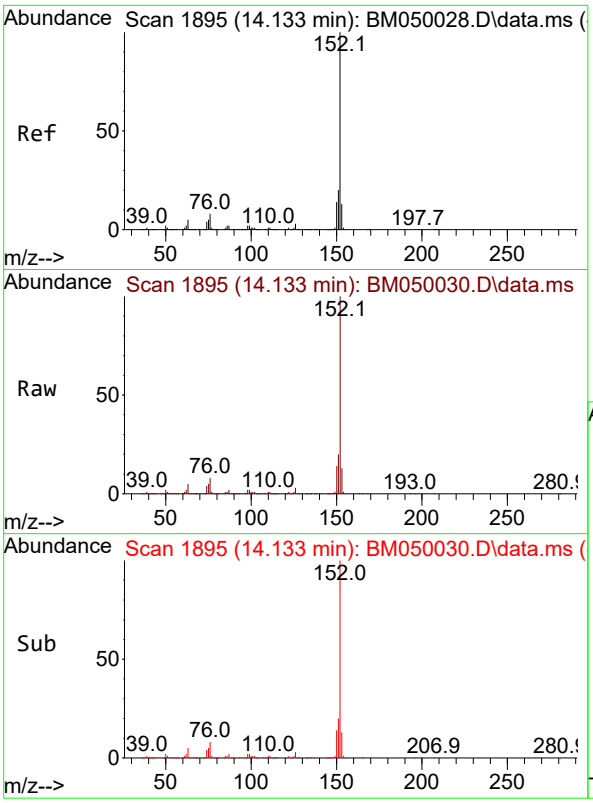


#48
2-Nitroaniline
Concen: 63.847 ng
RT: 13.498 min Scan# 1787
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion: 65 Resp: 512544

Ion	Ratio	Lower	Upper
65	100		
92	71.9	57.1	85.7
138	122.3	97.0	145.4



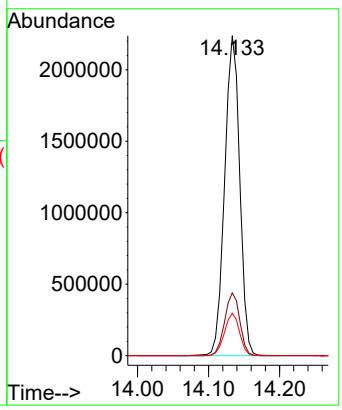


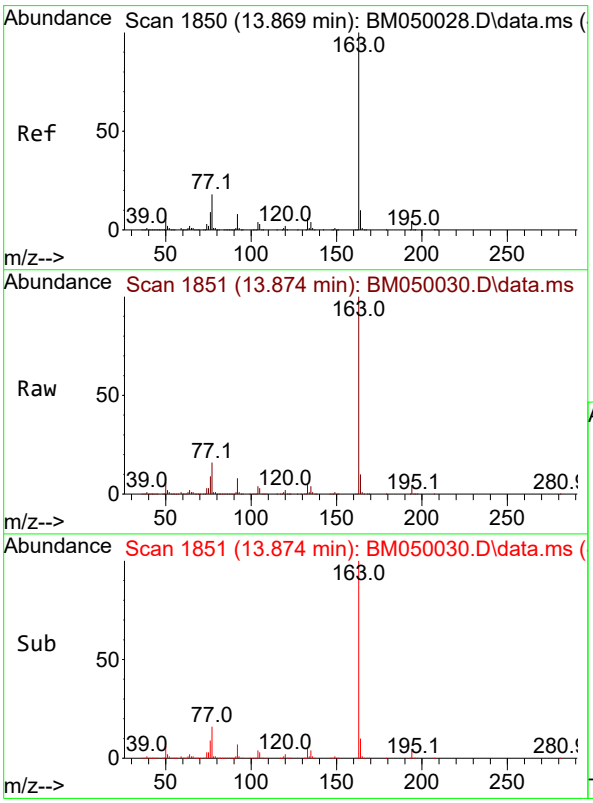
#49
Acenaphthylene
Concen: 61.060 ng
RT: 14.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 3292902

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.8
153	13.2	10.6	15.8

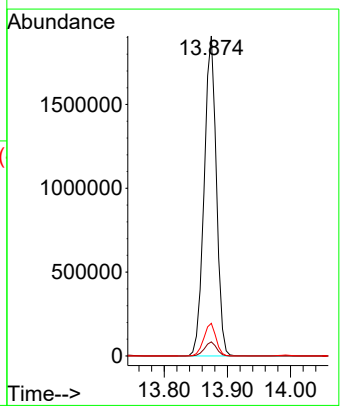


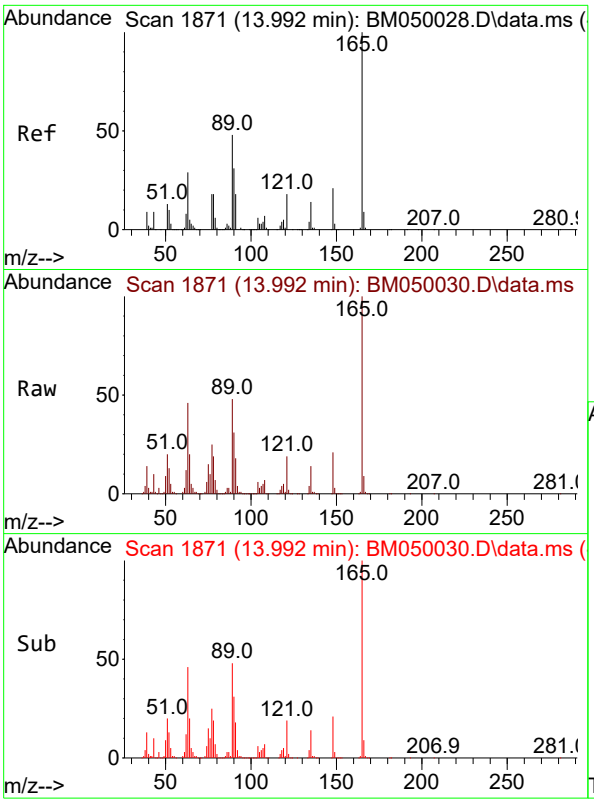


#50
Dimethylphthalate
Concen: 60.347 ng
RT: 13.874 min Scan# 1851
Delta R.T. 0.006 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:163 Resp: 2562233

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	10.2	8.2	12.2



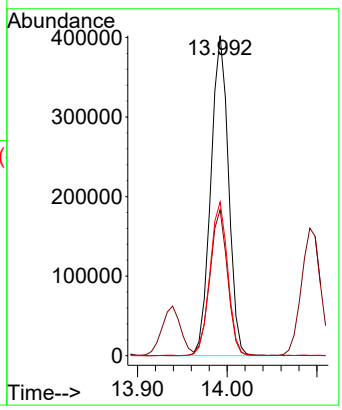


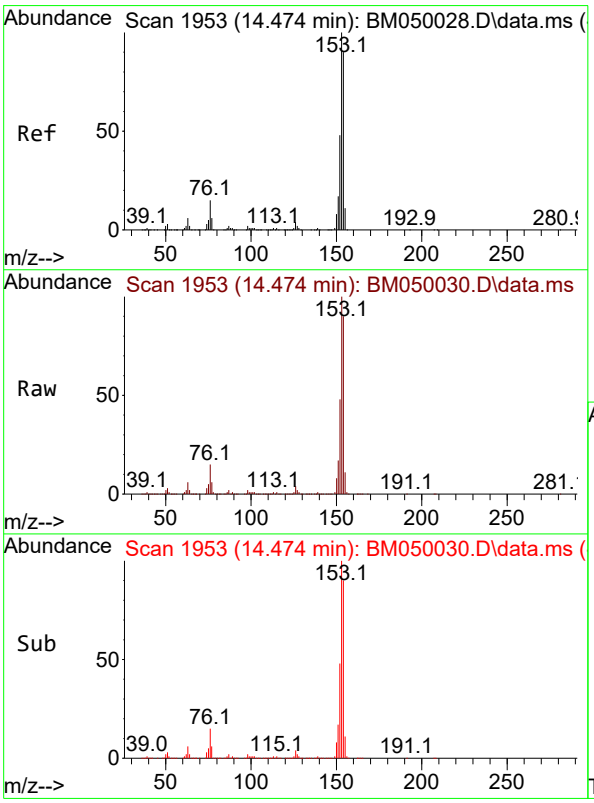
#51
2,6-Dinitrotoluene
Concen: 62.732 ng
RT: 13.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 551466

Ion	Ratio	Lower	Upper
165	100		
63	45.6	35.1	52.7
89	48.1	38.4	57.6

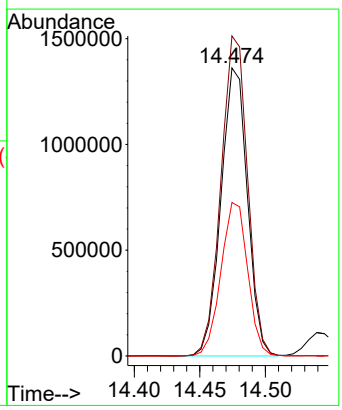


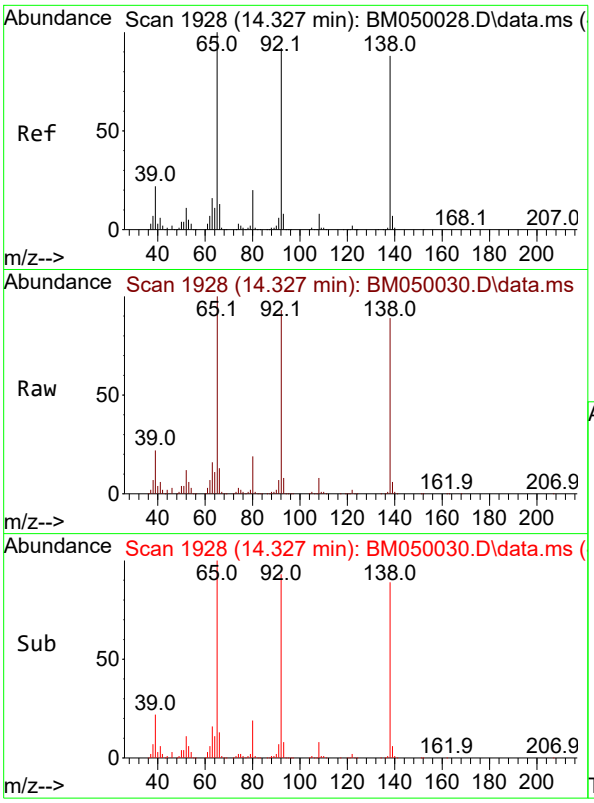


#52
Acenaphthene
Concen: 61.089 ng
RT: 14.474 min Scan# 1953
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:154 Resp: 1906973

Ion	Ratio	Lower	Upper
154	100		
153	111.1	89.0	133.4
152	53.3	43.0	64.6



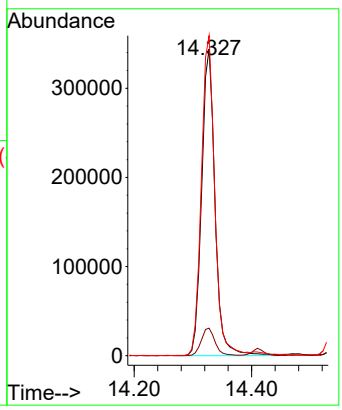


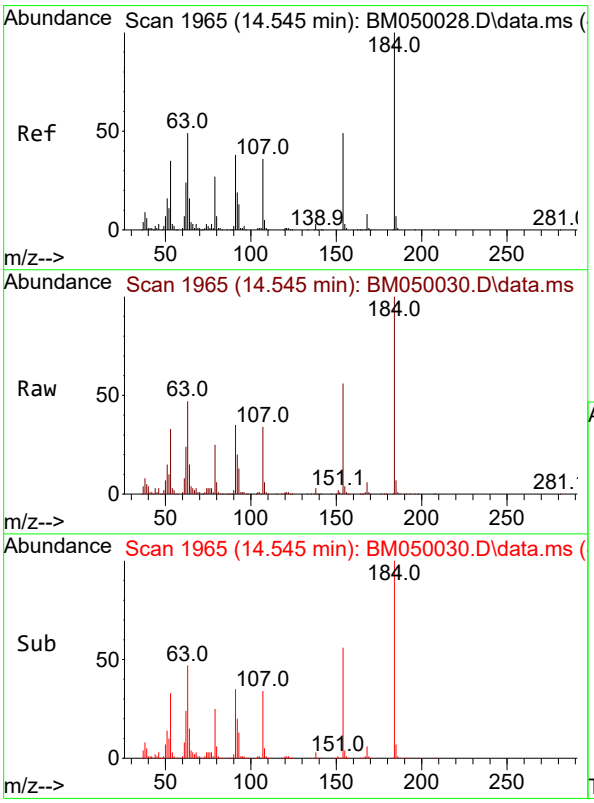
#53
3-Nitroaniline
Concen: 64.574 ng
RT: 14.327 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 541960

Ion	Ratio	Lower	Upper
138	100		
108	9.0	7.4	11.2
92	104.3	84.0	126.0

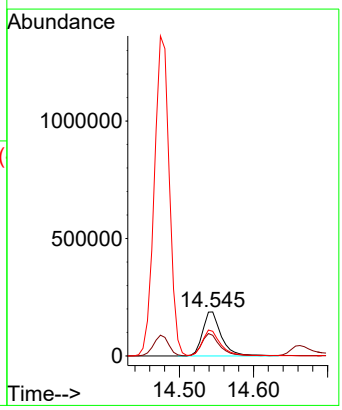


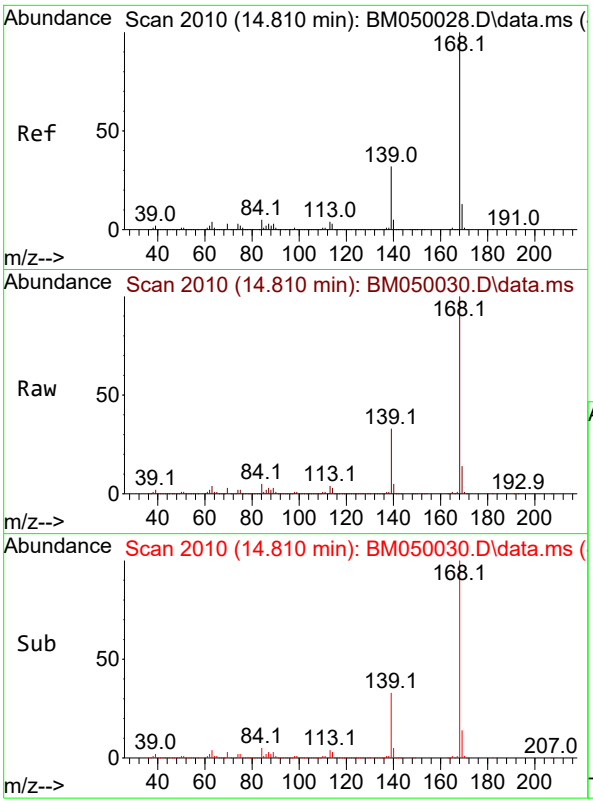


#54
2,4-Dinitrophenol
Concen: 59.847 ng
RT: 14.545 min Scan# 1965
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:184 Resp: 327924

Ion	Ratio	Lower	Upper
184	100		
63	46.9	39.8	59.6
154	56.0	46.1	69.1



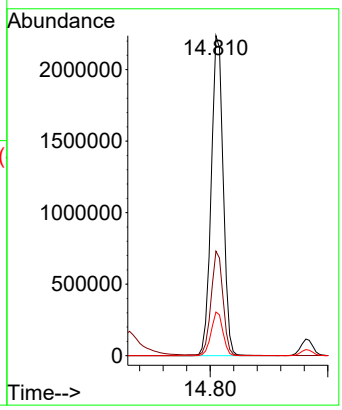


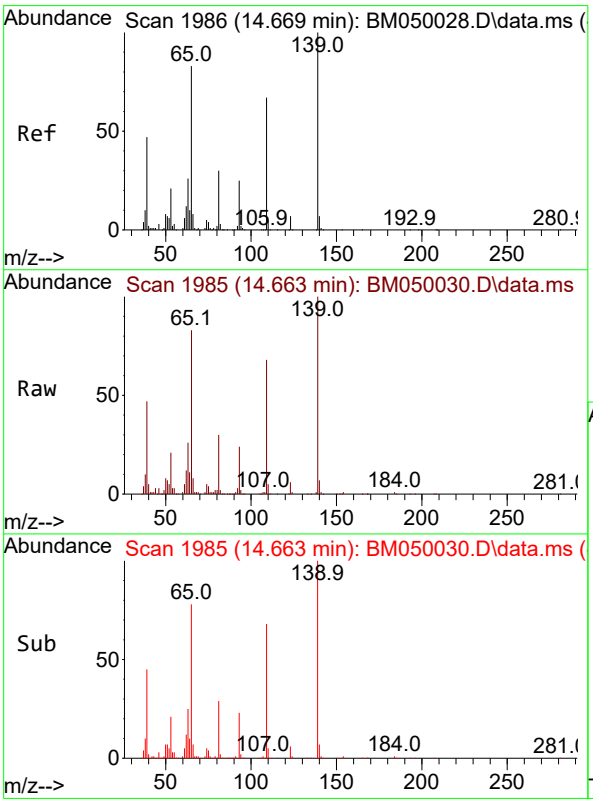
#55
Dibenzofuran
Concen: 60.738 ng
RT: 14.810 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 3154566

Ion	Ratio	Lower	Upper
168	100		
139	32.6	26.1	39.1
169	13.6	10.8	16.2

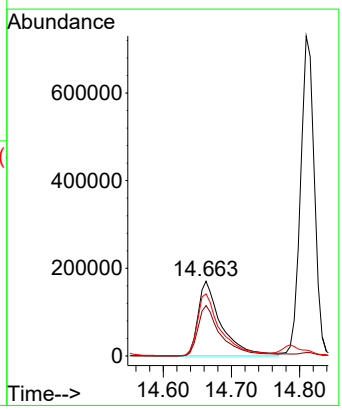


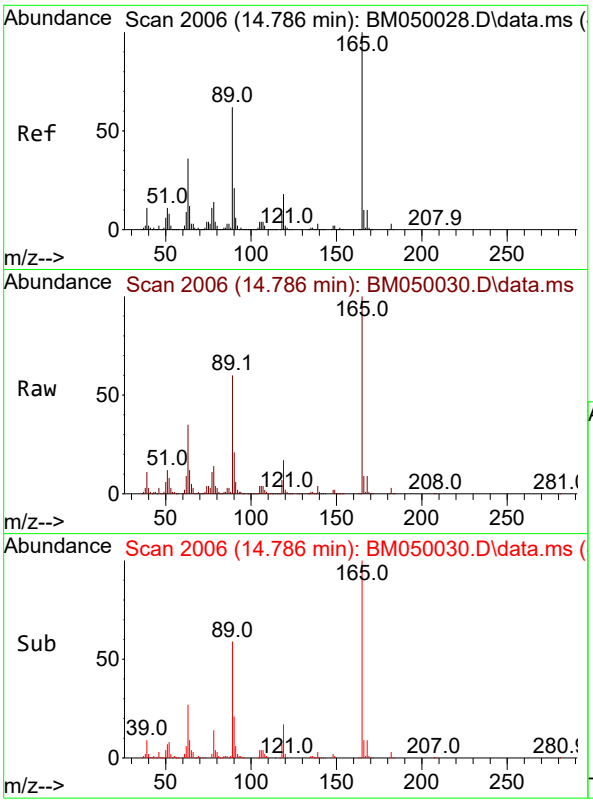


#56
4-Nitrophenol
Concen: 60.088 ng
RT: 14.663 min Scan# 1985
Delta R.T. -0.006 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:139 Resp: 402106

Ion	Ratio	Lower	Upper
139	100		
109	67.5	47.0	87.0
65	83.0	64.3	104.3



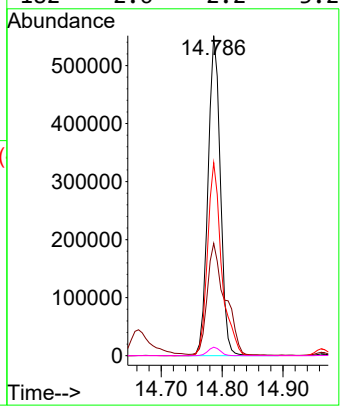


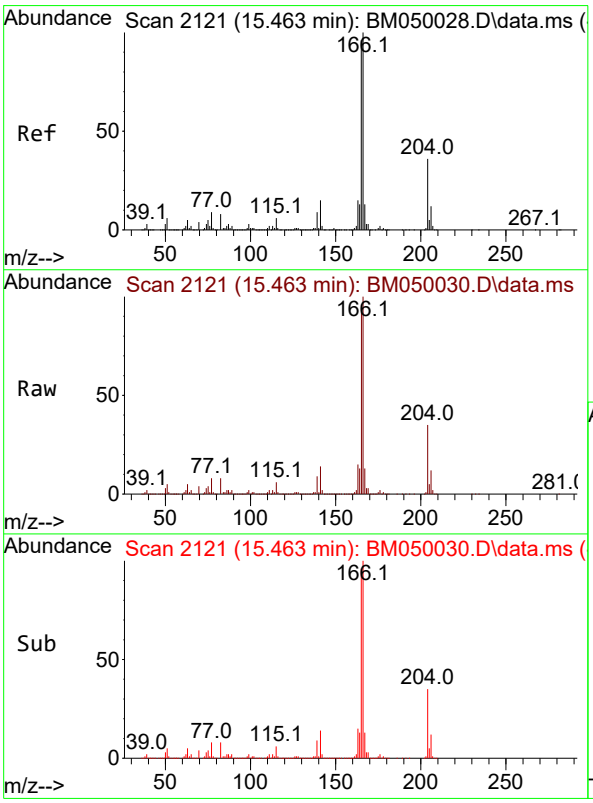
#57
2,4-Dinitrotoluene
Concen: 64.180 ng
RT: 14.786 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 779604

Ion	Ratio	Lower	Upper
165	100		
63	35.1	29.0	43.6
89	60.3	49.4	74.2
182	2.6	2.2	3.2

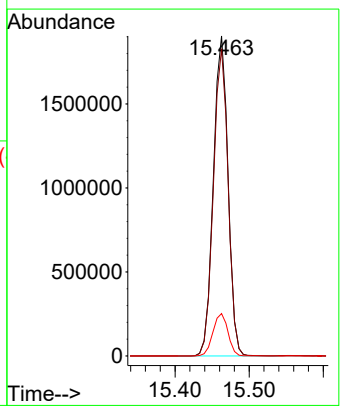


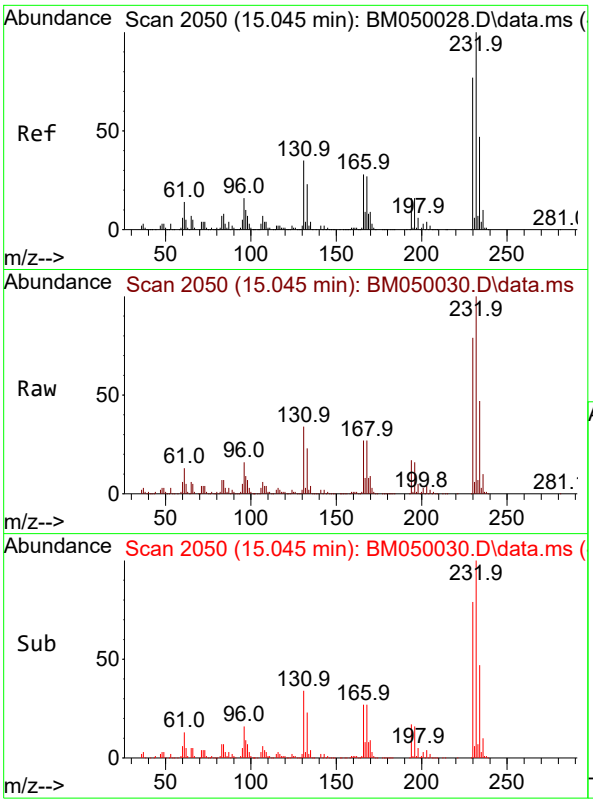


#58
Fluorene
Concen: 61.497 ng
RT: 15.463 min Scan# 2121
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:166 Resp: 2614340

Ion	Ratio	Lower	Upper
166	100		
165	96.0	76.6	115.0
167	13.3	10.6	16.0



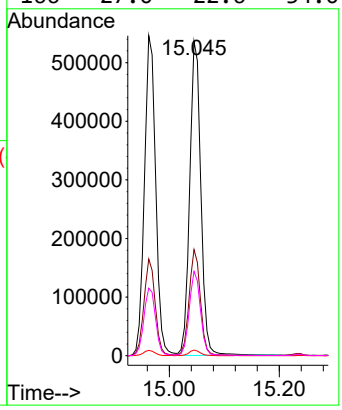


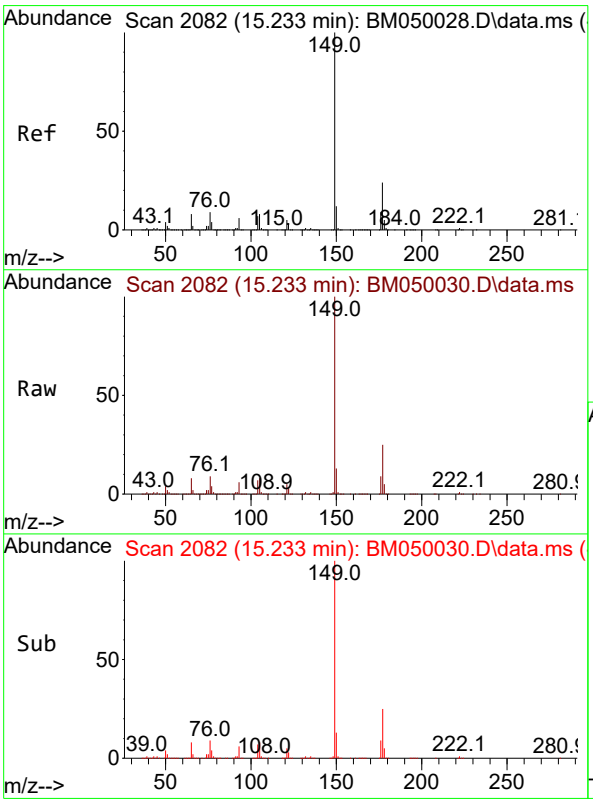
#59
2,3,4,6-Tetrachlorophenol
Concen: 63.213 ng
RT: 15.045 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 752680

Ion	Ratio	Lower	Upper
232	100		
131	34.1	28.2	42.4
130	1.8	1.5	2.3
166	27.0	22.6	34.0

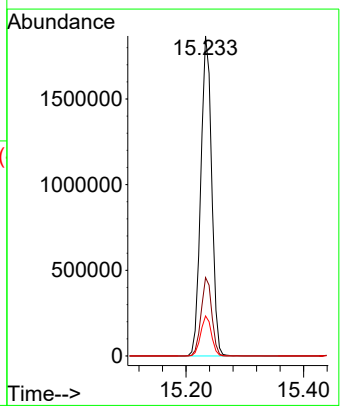


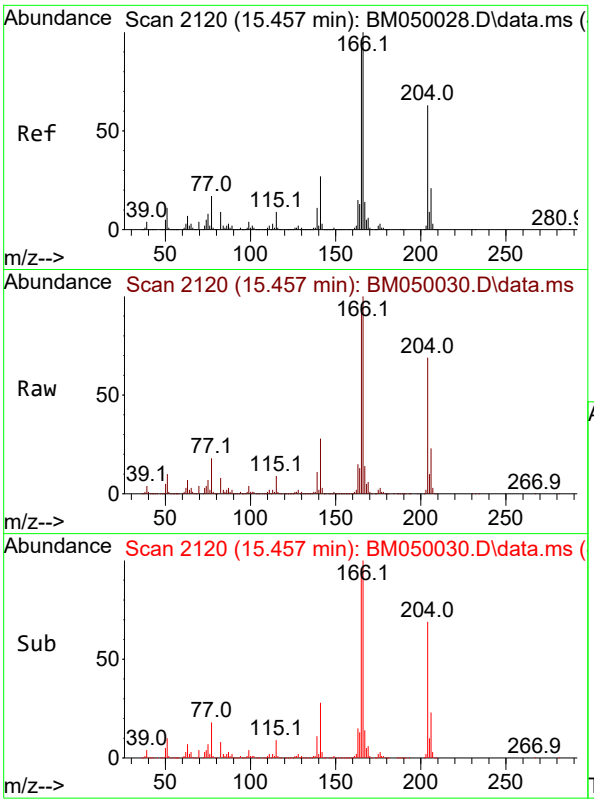


#60
Diethylphthalate
Concen: 59.930 ng
RT: 15.233 min Scan# 2082
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:149 Resp: 2397624

Ion	Ratio	Lower	Upper
149	100		
177	24.5	19.1	28.7
150	12.5	9.6	14.4



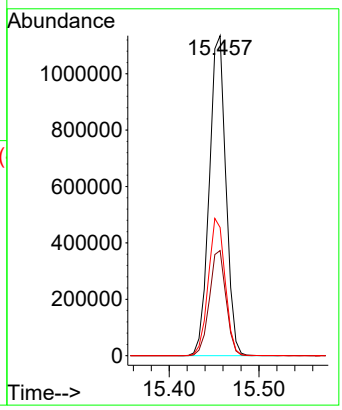


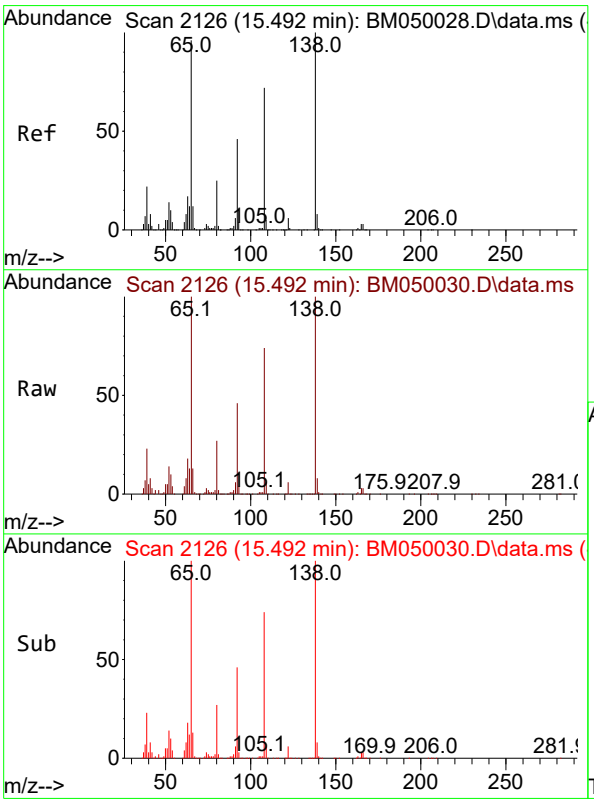
#61
4-Chlorophenyl-phenylether
Concen: 62.403 ng
RT: 15.457 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 1457099

Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.3	39.5
141	40.0	34.0	51.0

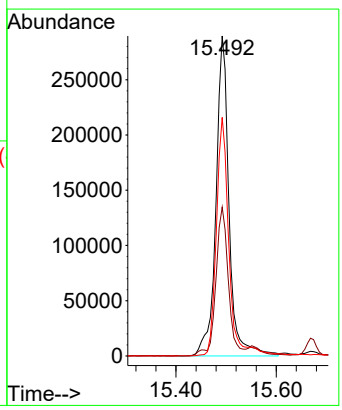


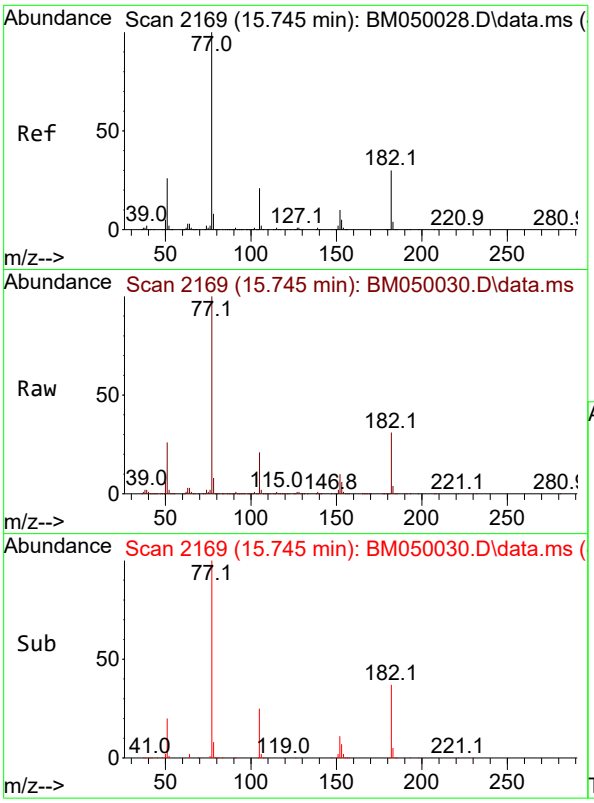


#62
4-Nitroaniline
Concen: 64.776 ng
RT: 15.492 min Scan# 2126
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:138 Resp: 524887

Ion	Ratio	Lower	Upper
138	100		
92	46.5	25.9	65.9
108	74.6	52.4	92.4



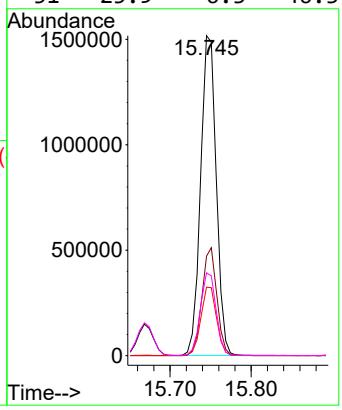


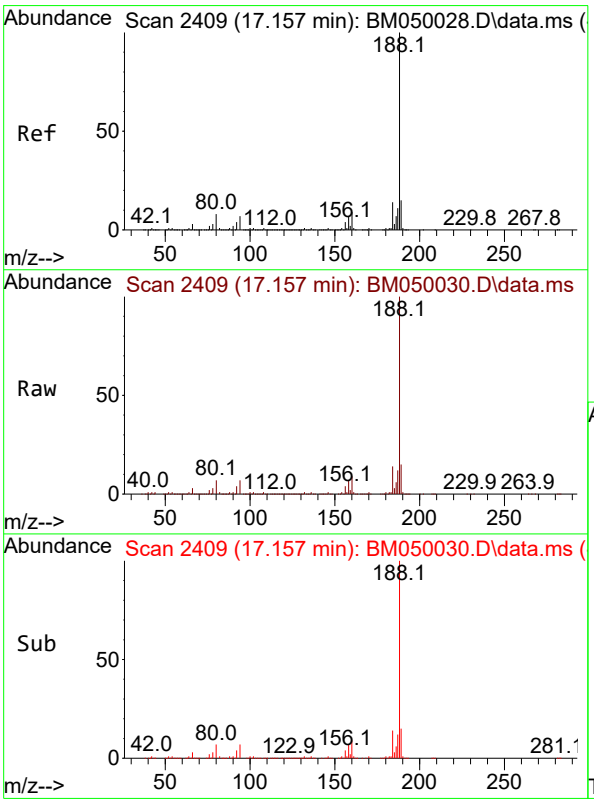
#63
Azobenzene
Concen: 60.550 ng
RT: 15.745 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 2030208

Ion	Ratio	Lower	Upper
77	100		
182	31.1	10.5	50.5
105	21.4	1.1	41.1
51	25.9	6.3	46.3

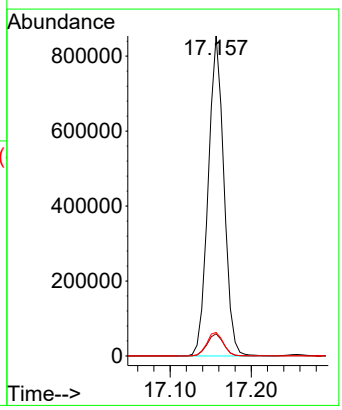


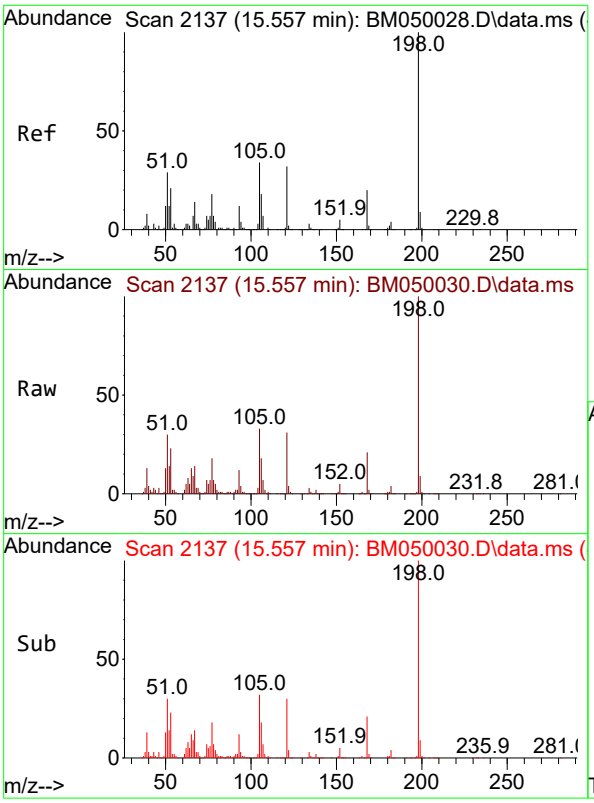


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:188 Resp: 1144389

Ion	Ratio	Lower	Upper
188	100		
94	6.9	5.7	8.5
80	7.3	6.2	9.4



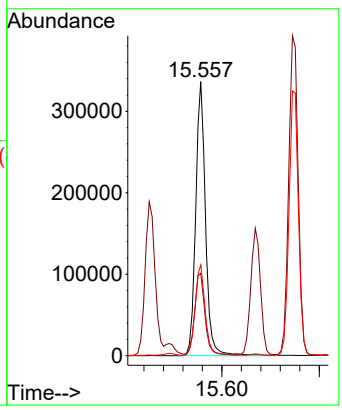


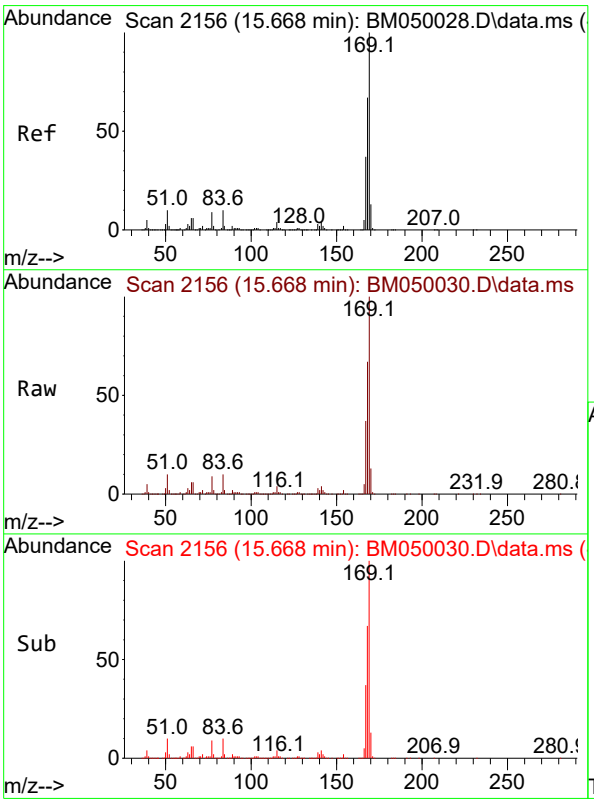
#65
4,6-Dinitro-2-methylphenol
Concen: 66.167 ng
RT: 15.557 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 473987

Ion	Ratio	Lower	Upper
198	100		
51	30.1	10.4	50.4
105	33.1	14.6	54.6

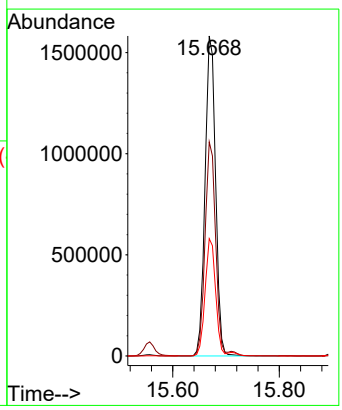


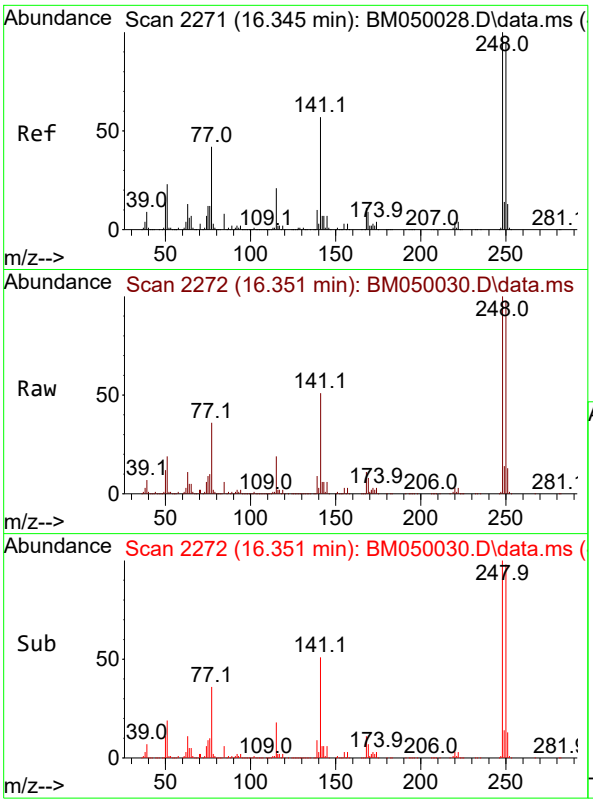


#66
n-Nitrosodiphenylamine
Concen: 61.422 ng
RT: 15.668 min Scan# 2156
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:169 Resp: 2158446

Ion	Ratio	Lower	Upper
169	100		
168	66.9	53.4	80.2
167	36.6	29.4	44.0



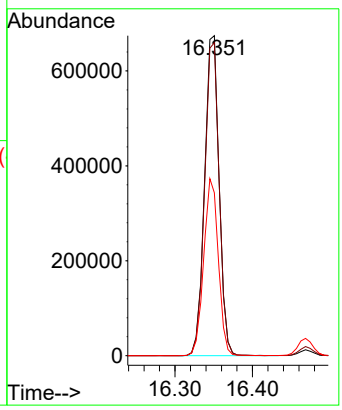


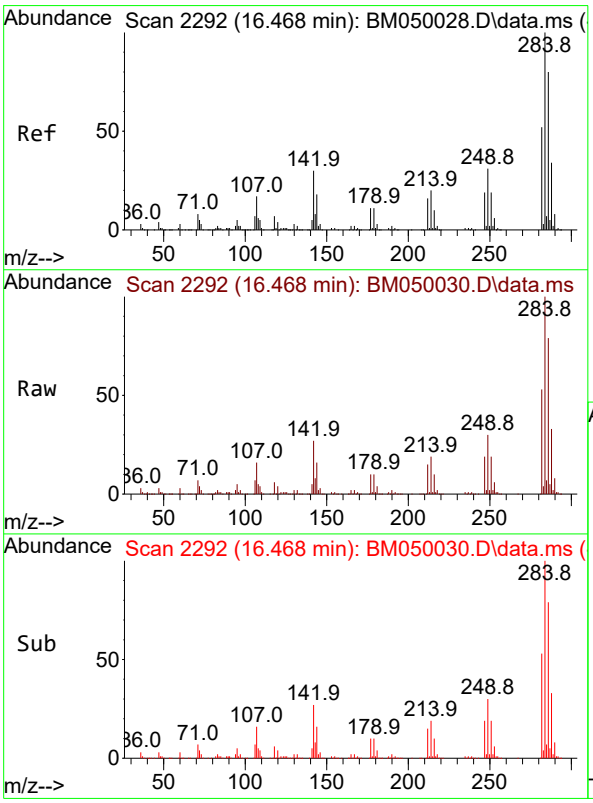
#67
4-Bromophenyl-phenylether
Concen: 63.509 ng
RT: 16.351 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 878886

Ion	Ratio	Lower	Upper
248	100		
250	97.8	76.2	114.2
141	50.9	45.9	68.9

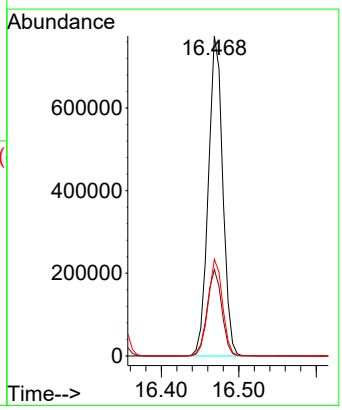


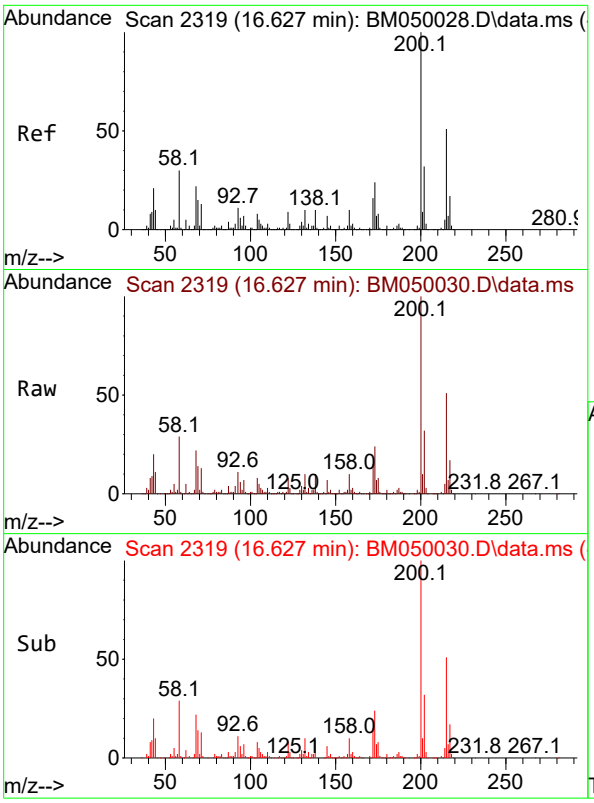


#68
Hexachlorobenzene
Concen: 62.711 ng
RT: 16.468 min Scan# 2292
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:284 Resp: 1000366

Ion	Ratio	Lower	Upper
284	100		
142	27.0	23.9	35.9
249	30.2	24.5	36.7



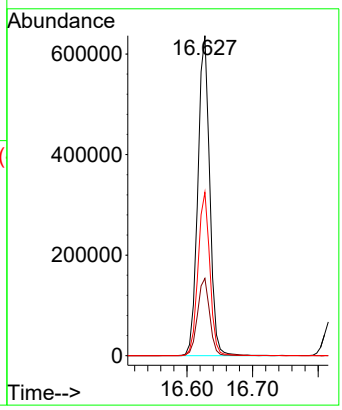


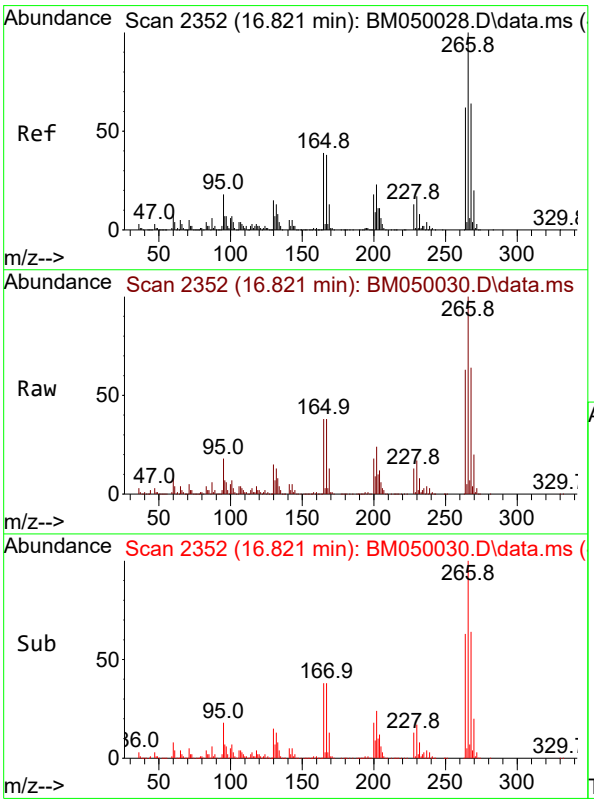
#69
Atrazine
Concen: 63.312 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:200 Resp: 802538

Ion	Ratio	Lower	Upper
200	100		
173	24.2	4.3	44.3
215	51.0	30.6	70.6

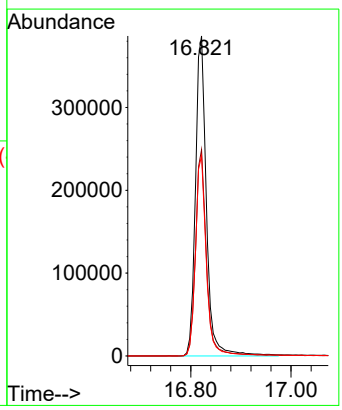


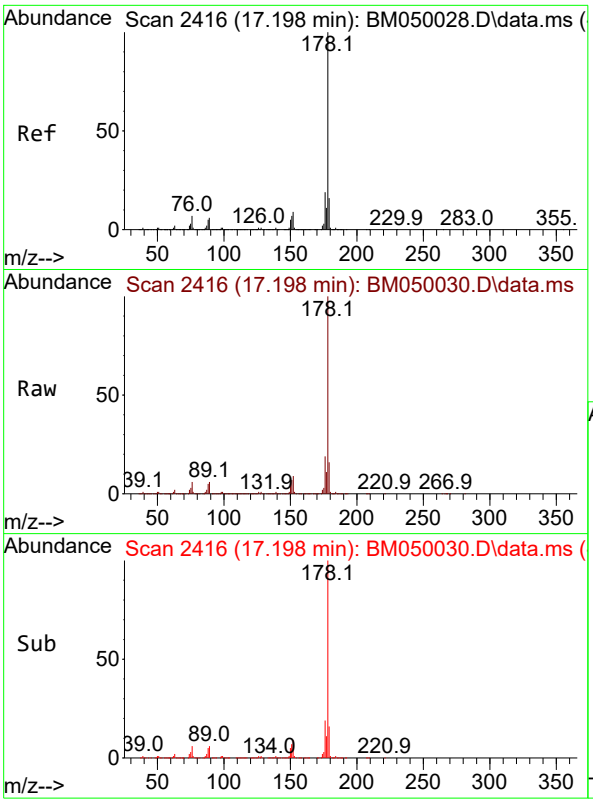


#70
Pentachlorophenol
Concen: 65.136 ng
RT: 16.821 min Scan# 2352
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:266 Resp: 584874

Ion	Ratio	Lower	Upper
266	100		
268	64.5	51.2	76.8
264	62.6	49.6	74.4



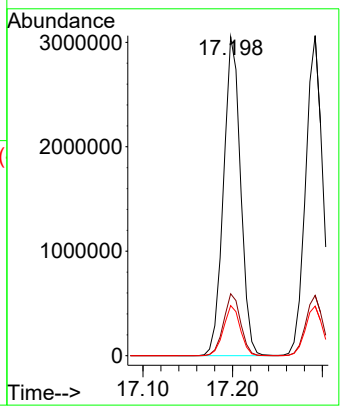


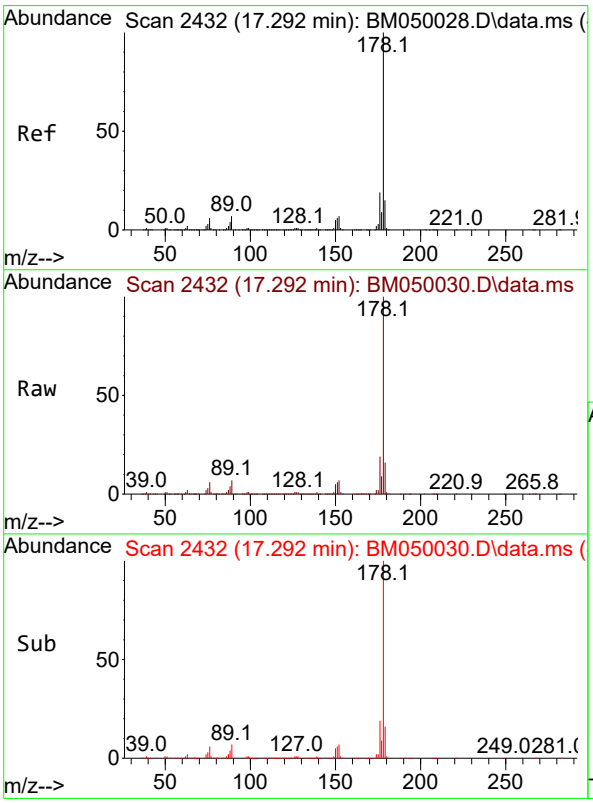
#71
Phenanthrene
Concen: 62.410 ng
RT: 17.198 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 4028280

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	15.7	12.4	18.6

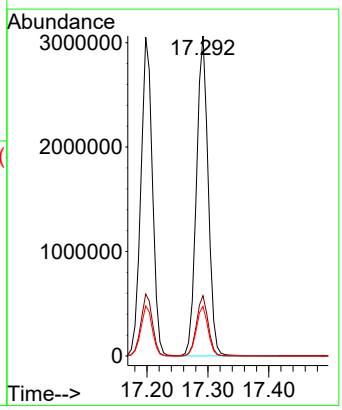


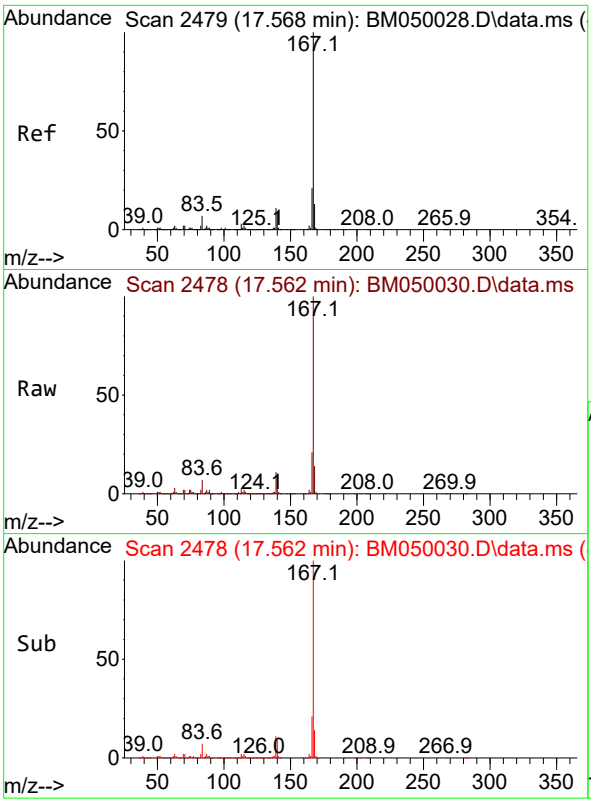


#72
Anthracene
Concen: 62.590 ng
RT: 17.292 min Scan# 2432
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:178 Resp: 4088295

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	15.5	12.2	18.4



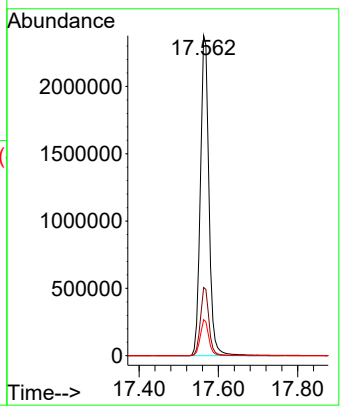


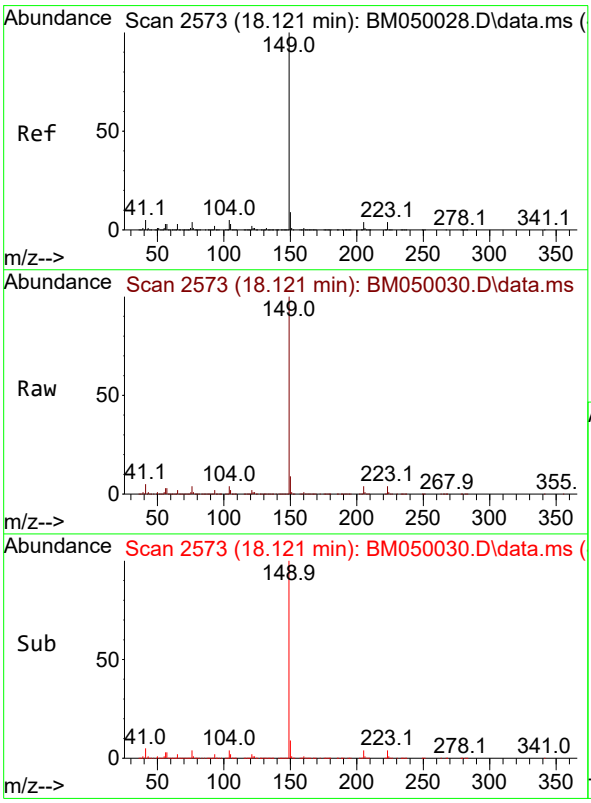
#73
Carbazole
Concen: 62.854 ng
RT: 17.562 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:167 Resp: 3562573

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.2	25.8
139	11.3	9.0	13.6

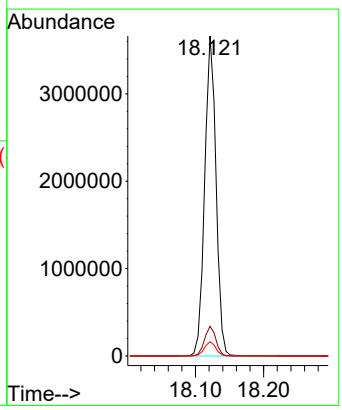


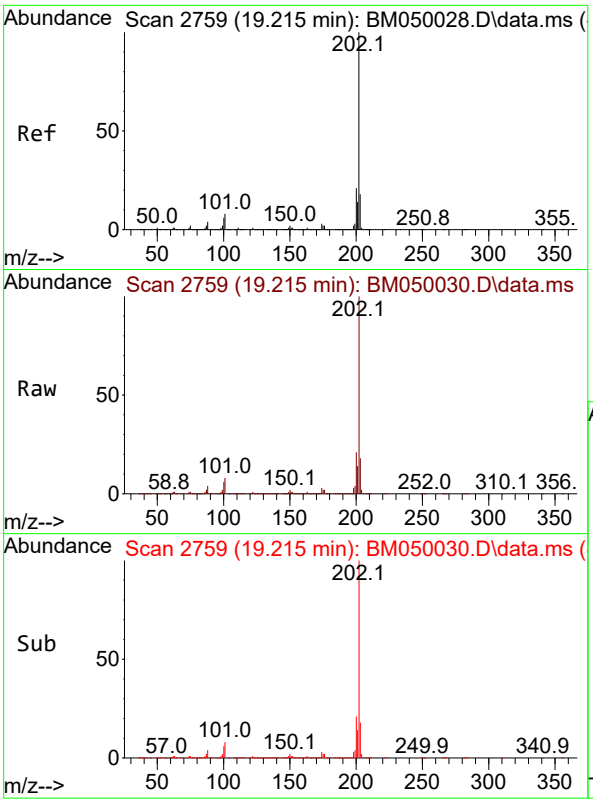


#74
Di-n-butylphthalate
Concen: 62.607 ng
RT: 18.121 min Scan# 2573
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:149 Resp: 4225922

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.5	3.8	5.6



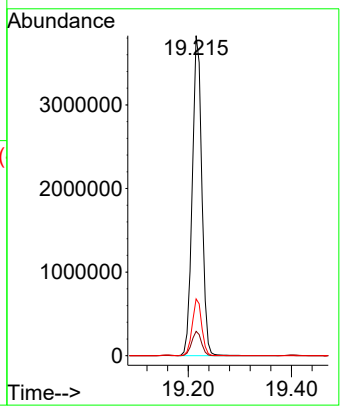


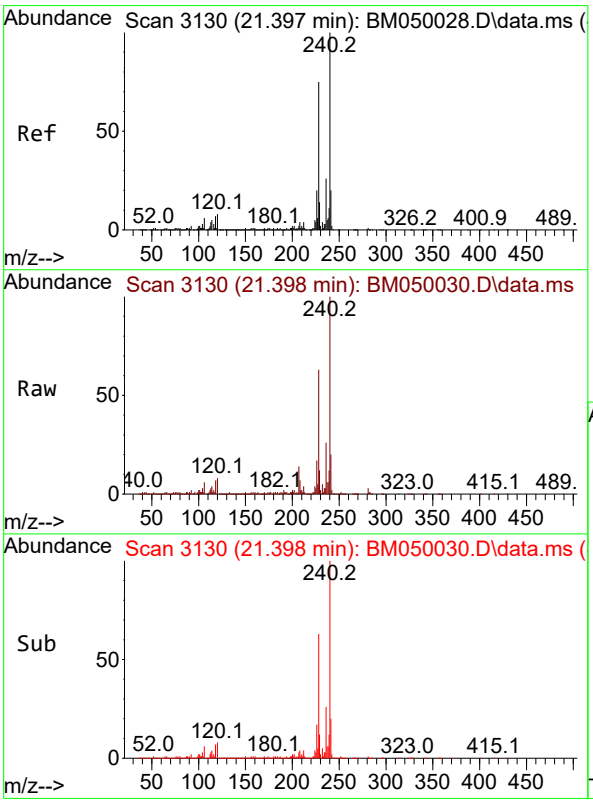
#75
Fluoranthene
Concen: 64.546 ng
RT: 19.215 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 4891273

Ion	Ratio	Lower	Upper
202	100		
101	7.6	0.0	28.0
203	17.8	0.0	37.7

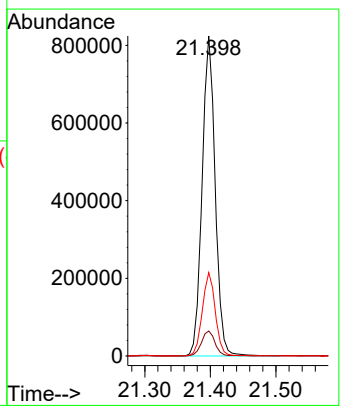


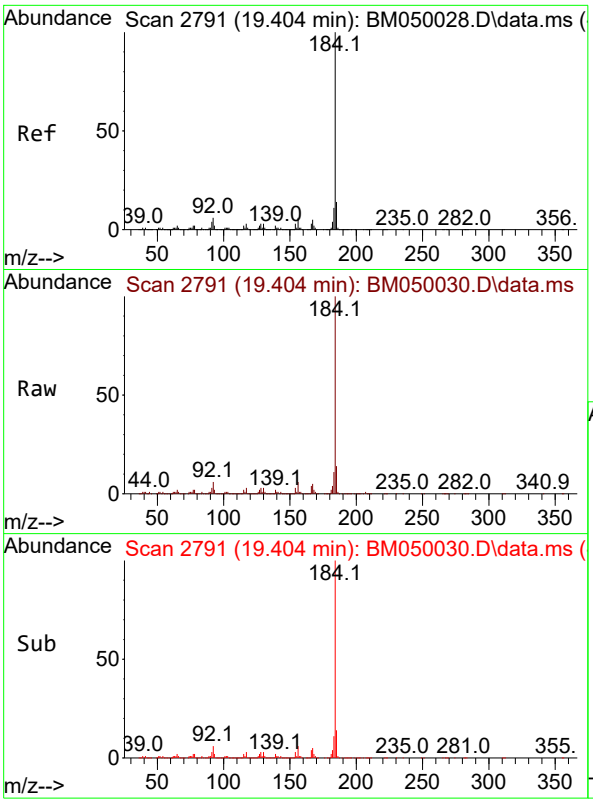


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.398 min Scan# 3130
Delta R.T. 0.001 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:240 Resp: 1144881

Ion	Ratio	Lower	Upper
240	100		
120	7.8	6.5	9.7
236	26.1	20.9	31.3



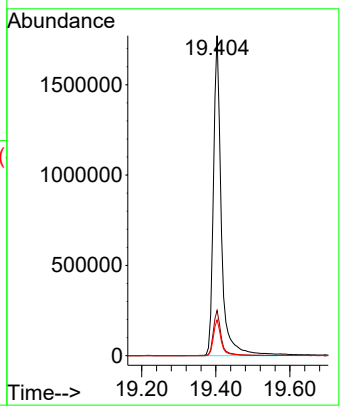


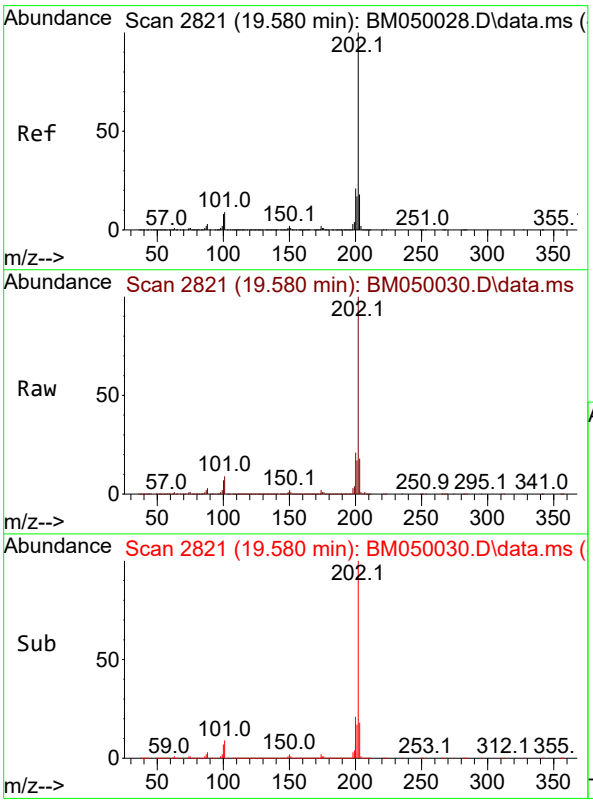
#77
Benzidine
Concen: 64.592 ng
RT: 19.404 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:184 Resp: 2626747

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.5	17.3
183	11.2	8.9	13.3

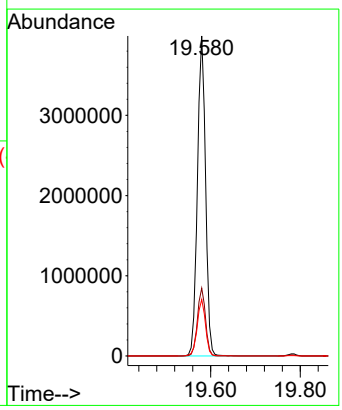


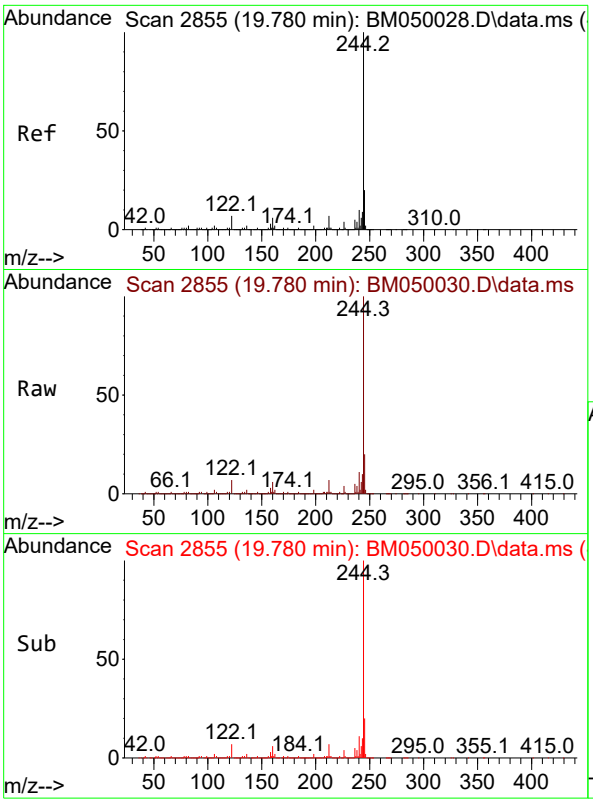


#78
Pyrene
Concen: 62.565 ng
RT: 19.580 min Scan# 2821
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:202 Resp: 5030035

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.7	25.1
203	17.6	14.1	21.1



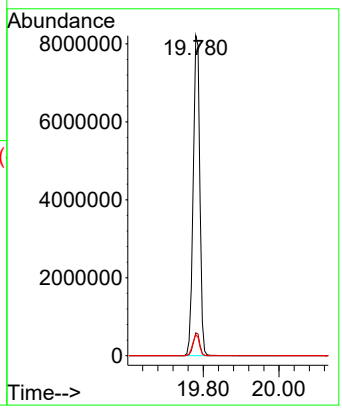


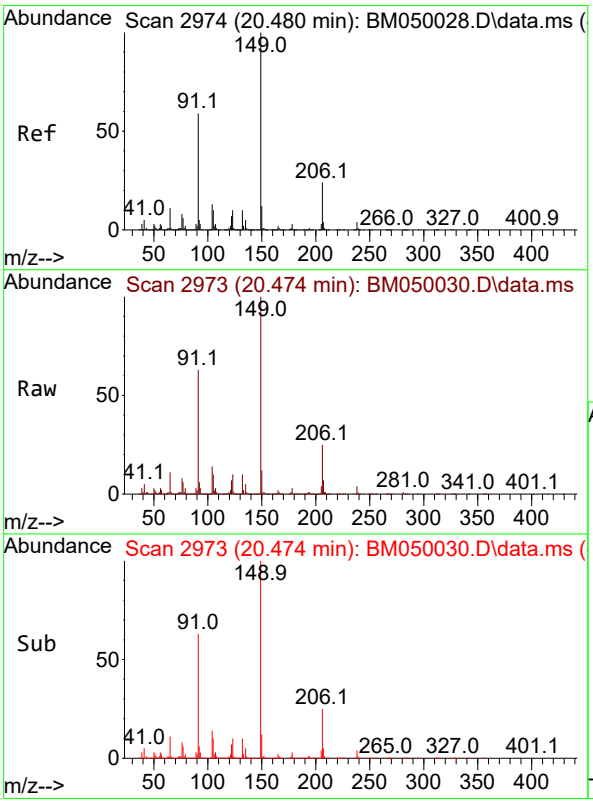
#79
Terphenyl-d14
Concen: 129.471 ng
RT: 19.780 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:244 Resp:10017186

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	6.6	5.6	8.4

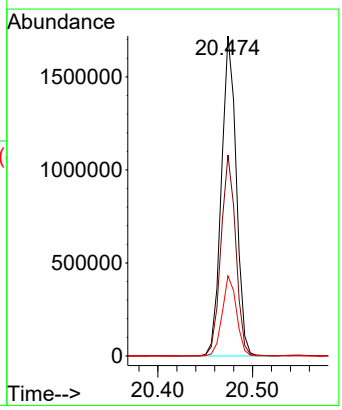


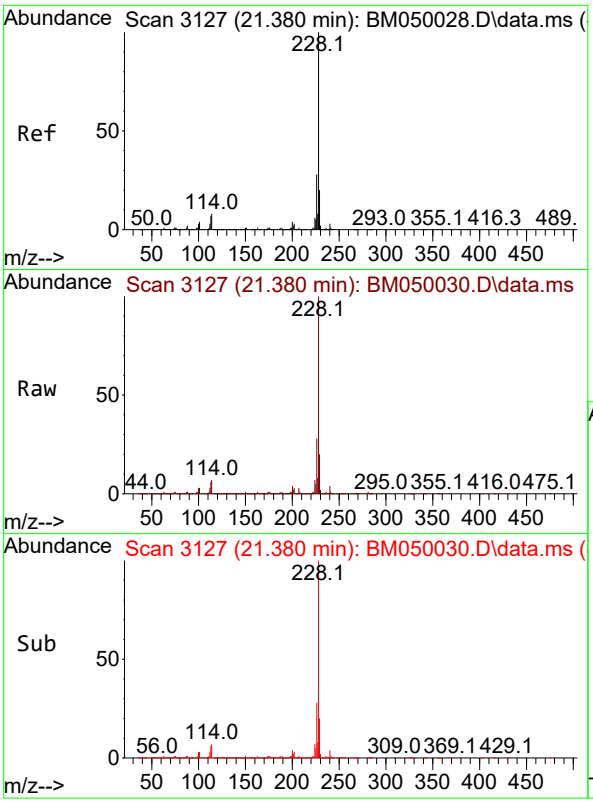


#80
Butylbenzylphthalate
Concen: 62.216 ng
RT: 20.474 min Scan# 2973
Delta R.T. -0.006 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:149 Resp: 1873444

Ion	Ratio	Lower	Upper
149	100		
91	62.8	47.4	71.2
206	25.0	19.4	29.0



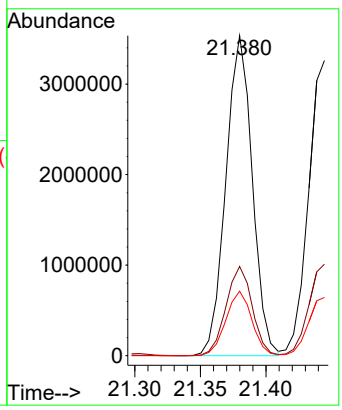


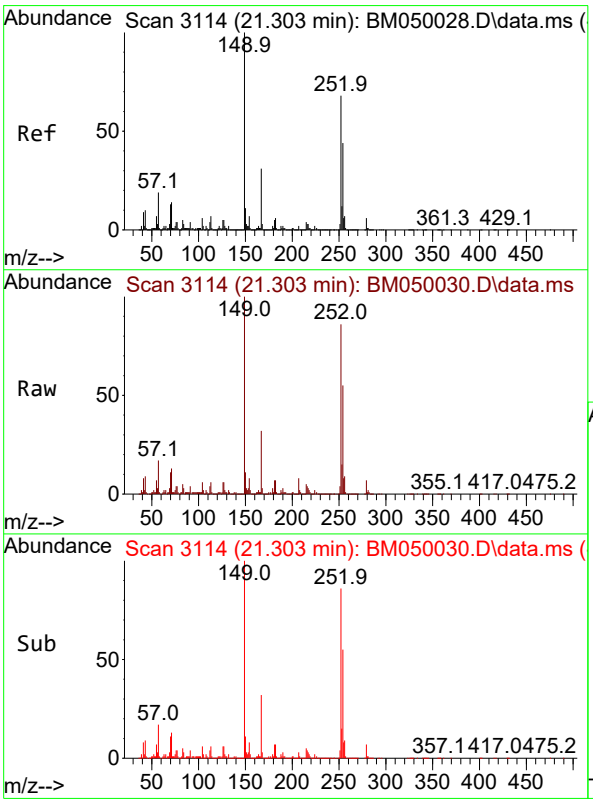
#81
Benzo(a)anthracene
Concen: 62.841 ng
RT: 21.380 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 4954357

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.1	33.1
229	20.2	15.7	23.5

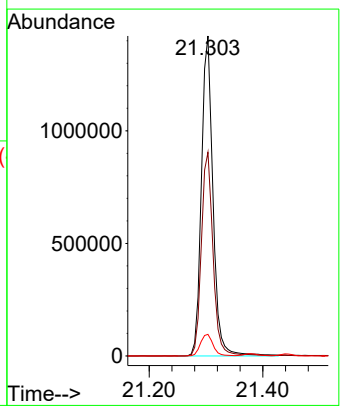


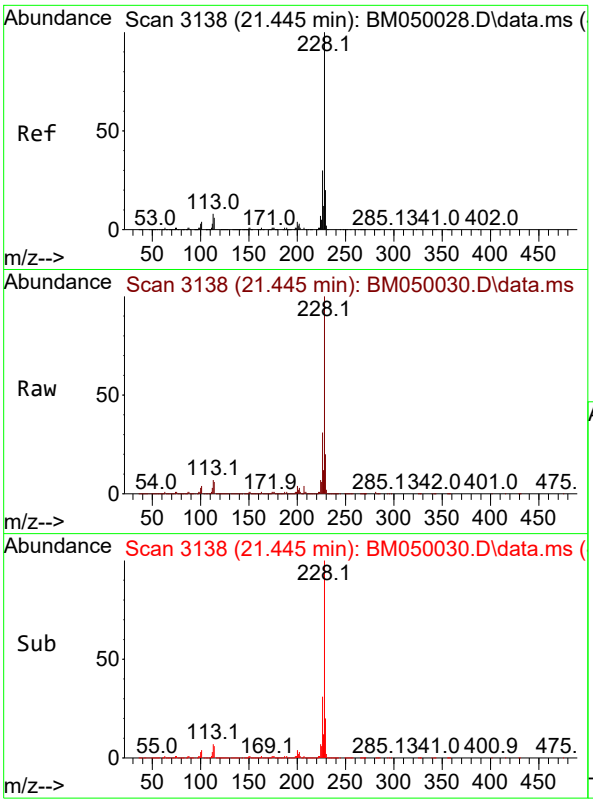


#82
3,3'-Dichlorobenzidine
Concen: 66.368 ng
RT: 21.303 min Scan# 3114
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:252 Resp: 2003019

Ion	Ratio	Lower	Upper
252	100		
254	63.6	51.8	77.6
126	6.7	6.0	9.0



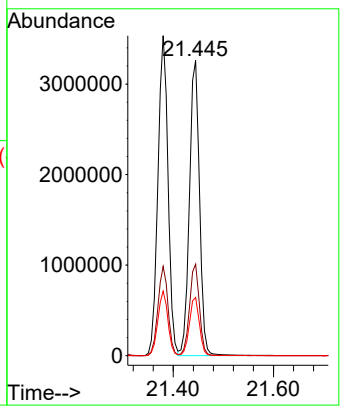


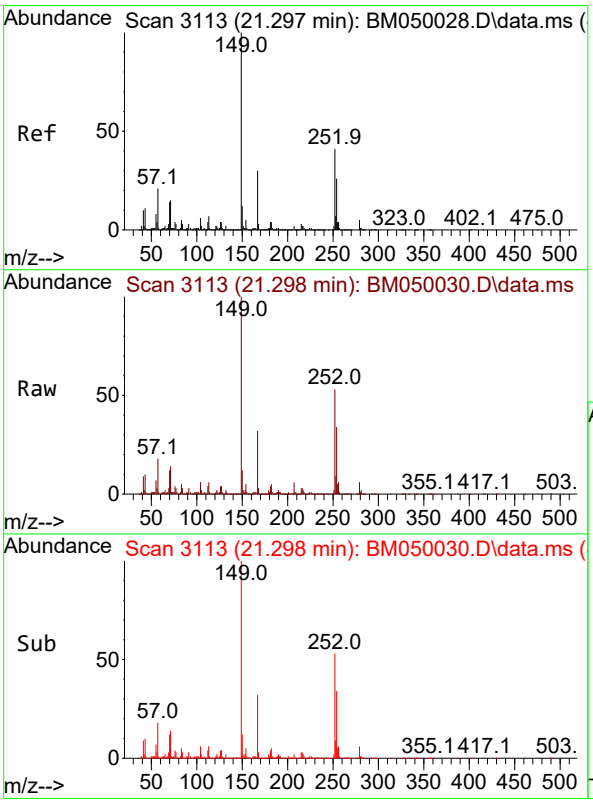
#83
Chrysene
Concen: 62.348 ng
RT: 21.445 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 4549388

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.2	36.2
229	19.7	15.7	23.5

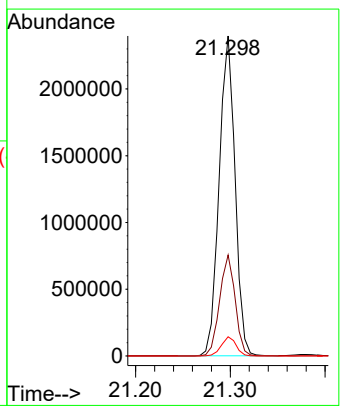


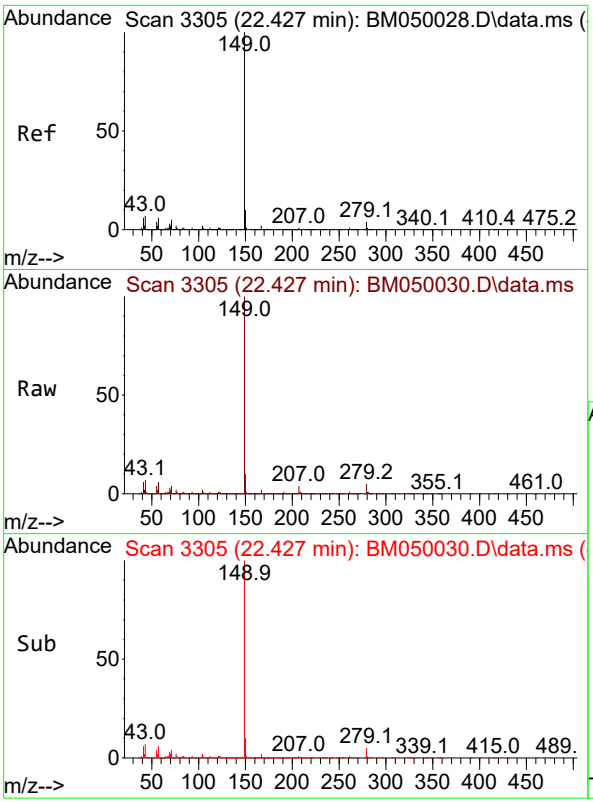


#84
Bis(2-ethylhexyl)phthalate
Concen: 62.192 ng
RT: 21.298 min Scan# 3113
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:149 Resp: 2797195

Ion	Ratio	Lower	Upper
149	100		
167	31.6	24.1	36.1
279	6.0	3.9	5.9#



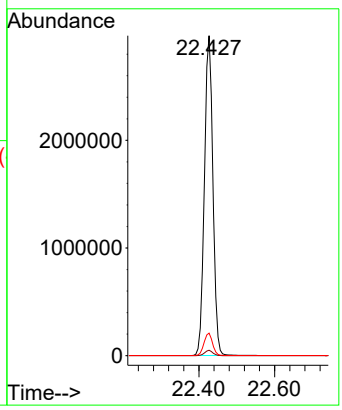


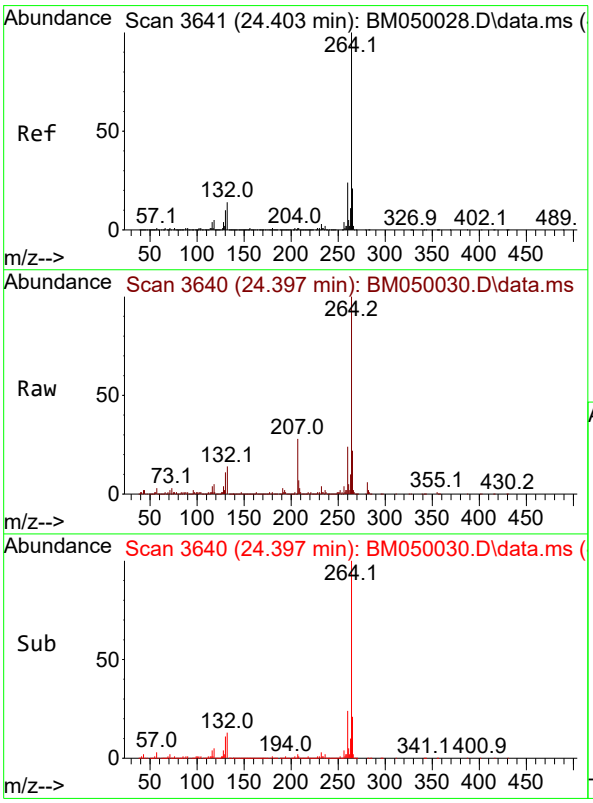
#85
Di-n-octyl phthalate
Concen: 62.095 ng
RT: 22.427 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 4605837

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.1	5.8	8.8

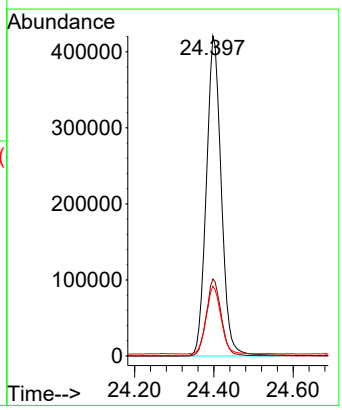


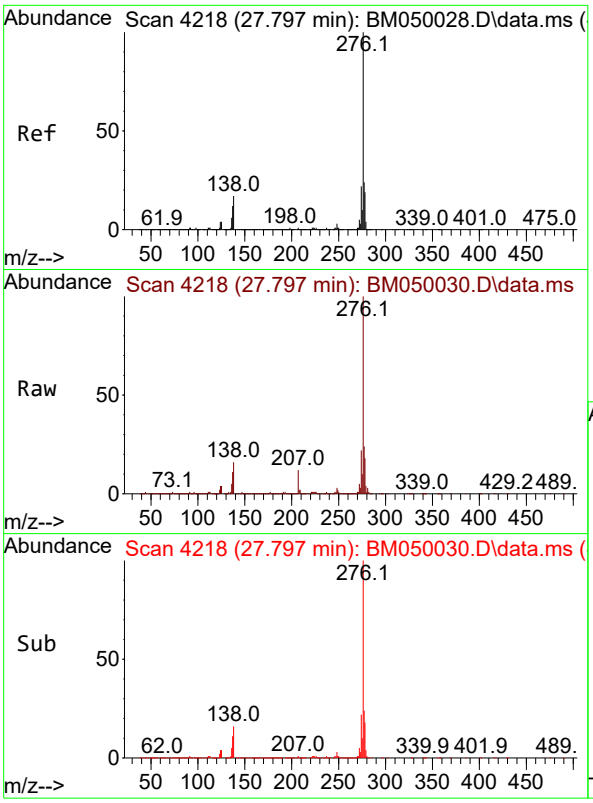


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.397 min Scan# 3640
Delta R.T. -0.006 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:264 Resp: 1099459

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.8	28.2
265	21.8	17.0	25.4



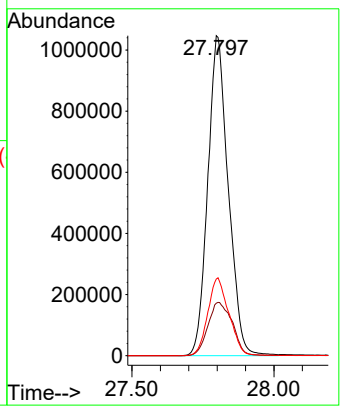


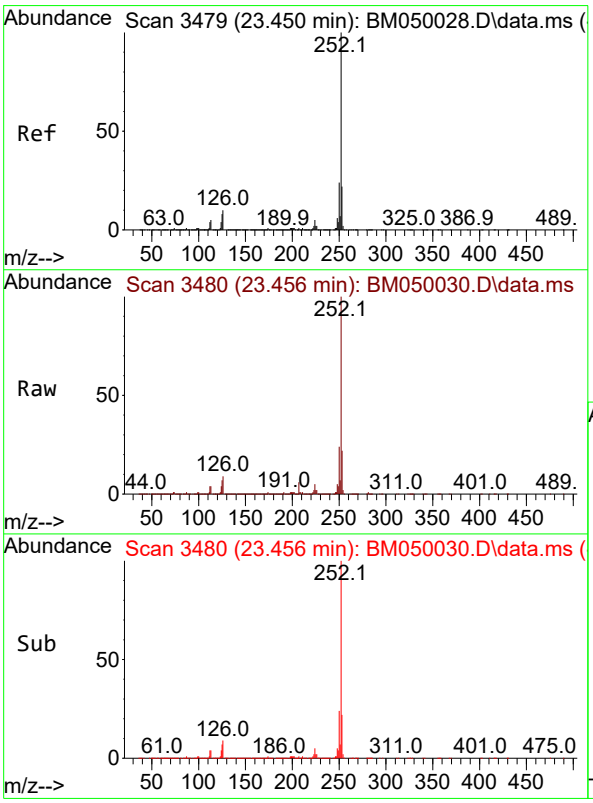
#87
Indeno(1,2,3-cd)pyrene
Concen: 64.068 ng
RT: 27.797 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 5248662

Ion	Ratio	Lower	Upper
276	100		
138	19.9	16.4	24.6
277	25.1	19.8	29.8

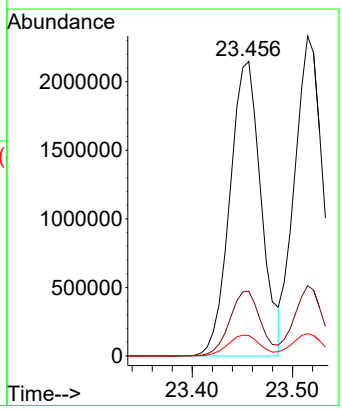


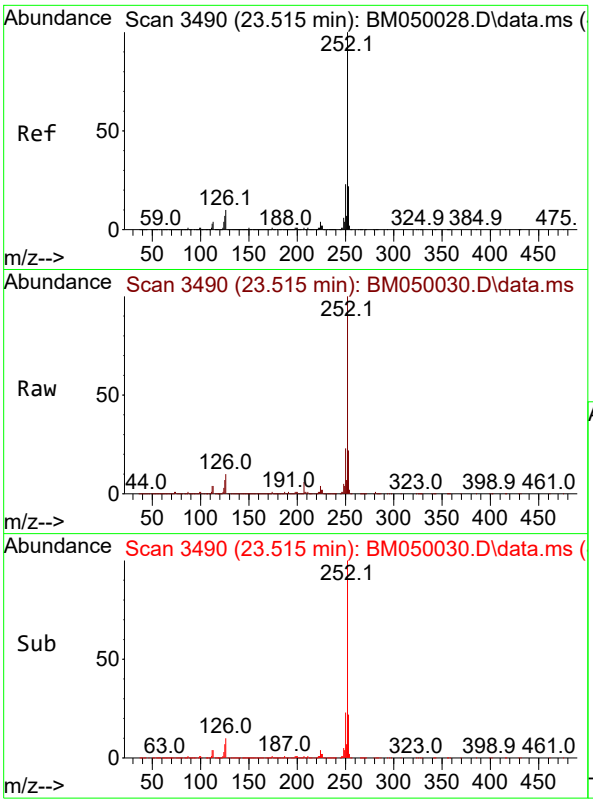


#88
Benzo(b)fluoranthene
Concen: 64.936 ng
RT: 23.456 min Scan# 3480
Delta R.T. 0.006 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:252 Resp: 4643026

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	6.9	6.1	9.1



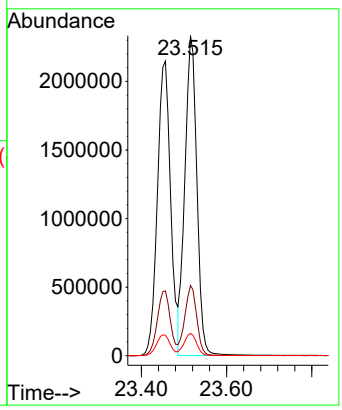


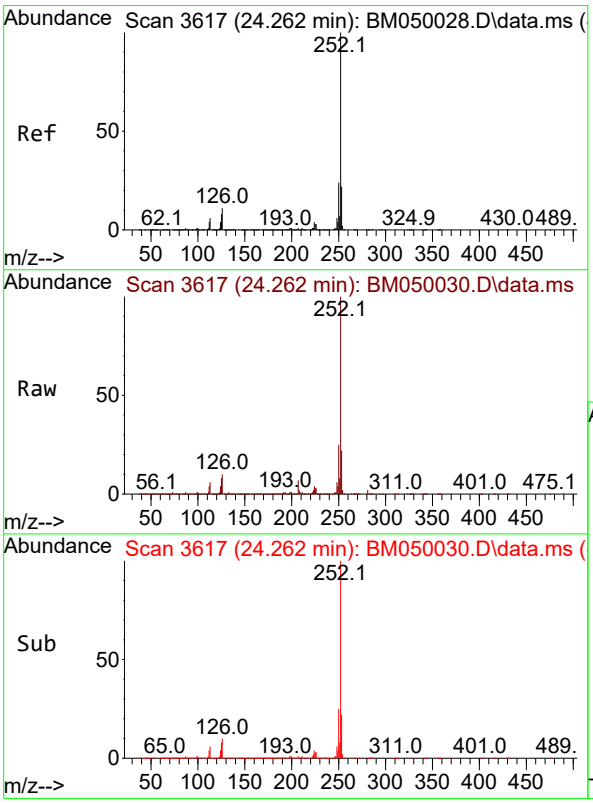
#89
Benzo(k)fluoranthene
Concen: 63.050 ng
RT: 23.515 min Scan# 34
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 4561134

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	7.0	5.8	8.8

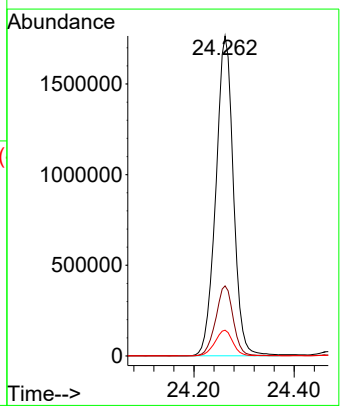


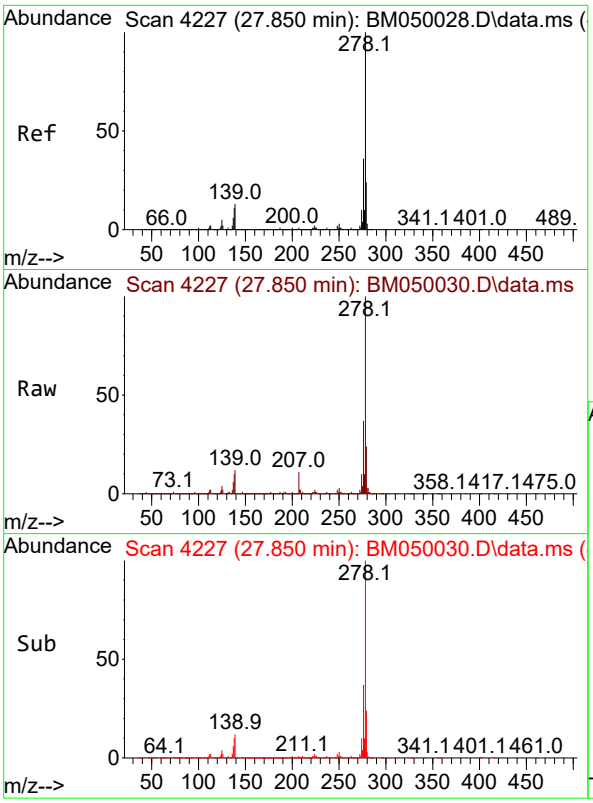


#90
Benzo(a)pyrene
Concen: 63.936 ng
RT: 24.262 min Scan# 3617
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:252 Resp: 4281665

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0
125	8.0	6.6	9.8



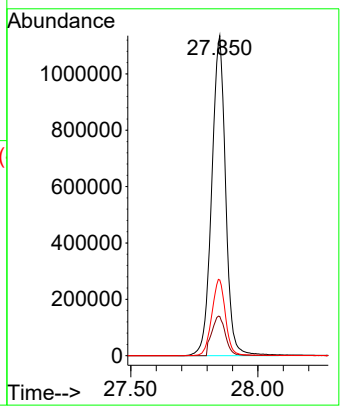


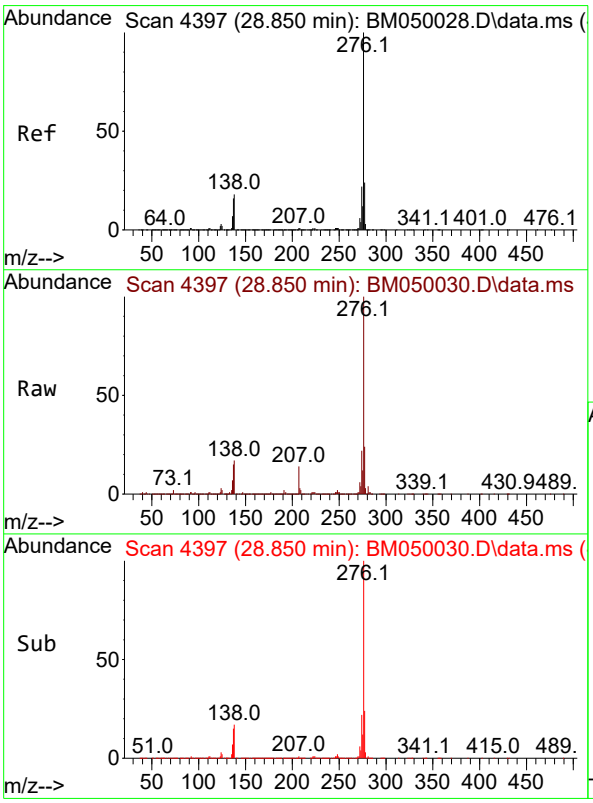
#91
Dibenzo(a,h)anthracene
Concen: 64.478 ng
RT: 27.850 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 4305928

Ion	Ratio	Lower	Upper
278	100		
139	12.3	10.5	15.7
279	23.6	19.4	29.0

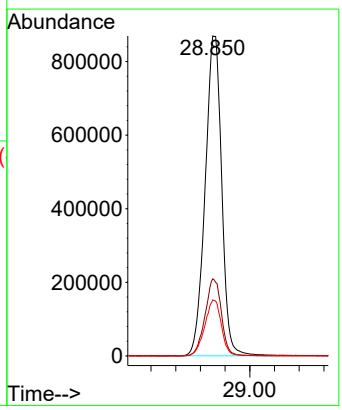




#92
Benzo(g,h,i)perylene
Concen: 63.142 ng
RT: 28.850 min Scan# 4397
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:276 Resp: 4036958

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.1	28.7
138	17.5	14.3	21.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050031.D
Acq On : 28 Apr 2025 17:04
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Quant Time: Apr 28 17:59:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.769	152	251380	20.000	ng		0.00
21) Naphthalene-d8	10.563	136	931435	20.000	ng		0.00
39) Acenaphthene-d10	14.410	164	613490	20.000	ng		0.00
64) Phenanthrene-d10	17.156	188	1212251	20.000	ng		0.00
76) Chrysene-d12	21.397	240	1197780	20.000	ng		0.00
86) Perylene-d12	24.397	264	1141905	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.357	112	2297313	160.027	ng		0.00
7) Phenol-d6	6.957	99	2954036	163.719	ng		0.00
23) Nitrobenzene-d5	8.933	82	2984192	157.875	ng		0.00
42) 2,4,6-Tribromophenol	15.909	330	1586083	174.847	ng		0.00
45) 2-Fluorobiphenyl	13.033	172	8283812	159.736	ng		0.00
79) Terphenyl-d14	19.780	244	11877110	146.730	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.251	88	475912	77.317	ng		99
3) Pyridine	3.657	79	1267903	80.171	ng		99
4) n-Nitrosodimethylamine	3.563	42	492501	79.400	ng		99
6) Aniline	7.098	93	1845033	80.979	ng		99
8) 2-Chlorophenol	7.339	128	1241711	79.998	ng		100
9) Benzaldehyde	6.910	77	898993	74.544	ng		99
10) Phenol	6.981	94	1491194	81.638	ng		98
11) bis(2-Chloroethyl)ether	7.192	93	1224517	80.283	ng		99
12) 1,3-Dichlorobenzene	7.657	146	1460820	77.912	ng		100
13) 1,4-Dichlorobenzene	7.804	146	1465881	77.822	ng		99
14) 1,2-Dichlorobenzene	8.122	146	1412270	77.618	ng		99
15) Benzyl Alcohol	8.016	79	1055328	84.339	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.292	45	1440484	77.694	ng		100
17) 2-Methylphenol	8.228	107	980375	81.473	ng		99
18) Hexachloroethane	8.845	117	513126	76.632	ng		98
19) n-Nitroso-di-n-propyla...	8.581	70	933468	80.665	ng		99
20) 3+4-Methylphenols	8.557	107	1348190	82.965	ng		99
22) Acetophenone	8.592	105	1815657	78.406	ng	#	99
24) Nitrobenzene	8.975	77	1289068	78.871	ng		99
25) Isophorone	9.504	82	2559279	79.430	ng		100
26) 2-Nitrophenol	9.680	139	710174	85.053	ng		99
27) 2,4-Dimethylphenol	9.751	122	1136040	82.043	ng		99
28) bis(2-Chloroethoxy)met...	9.975	93	1581985	79.437	ng		99
29) 2,4-Dichlorophenol	10.222	162	1275806	82.243	ng		99
30) 1,2,4-Trichlorobenzene	10.427	180	1485344	78.590	ng		99
31) Naphthalene	10.610	128	3686066	78.143	ng		100
32) Benzoic acid	9.951	122	800660	90.660	ng		97
33) 4-Chloroaniline	10.727	127	1575909	81.508	ng		99
34) Hexachlorobutadiene	10.898	225	959905	80.012	ng		99
35) Caprolactam	11.539	113	371164	82.060	ng		98
36) 4-Chloro-3-methylphenol	11.869	107	1152624	80.424	ng		99
37) 2-Methylnaphthalene	12.227	142	2525532	79.858	ng		99
38) 1-Methylnaphthalene	12.451	142	2645483	79.045	ng		99
40) 1,2,4,5-Tetrachloroben...	12.604	216	1799698	84.742	ng		99
41) Hexachlorocyclopentadiene	12.580	237	1185418	91.336	ng		99
43) 2,4,6-Trichlorophenol	12.851	196	1151641	85.496	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050031.D
Acq On : 28 Apr 2025 17:04
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Quant Time: Apr 28 17:59:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

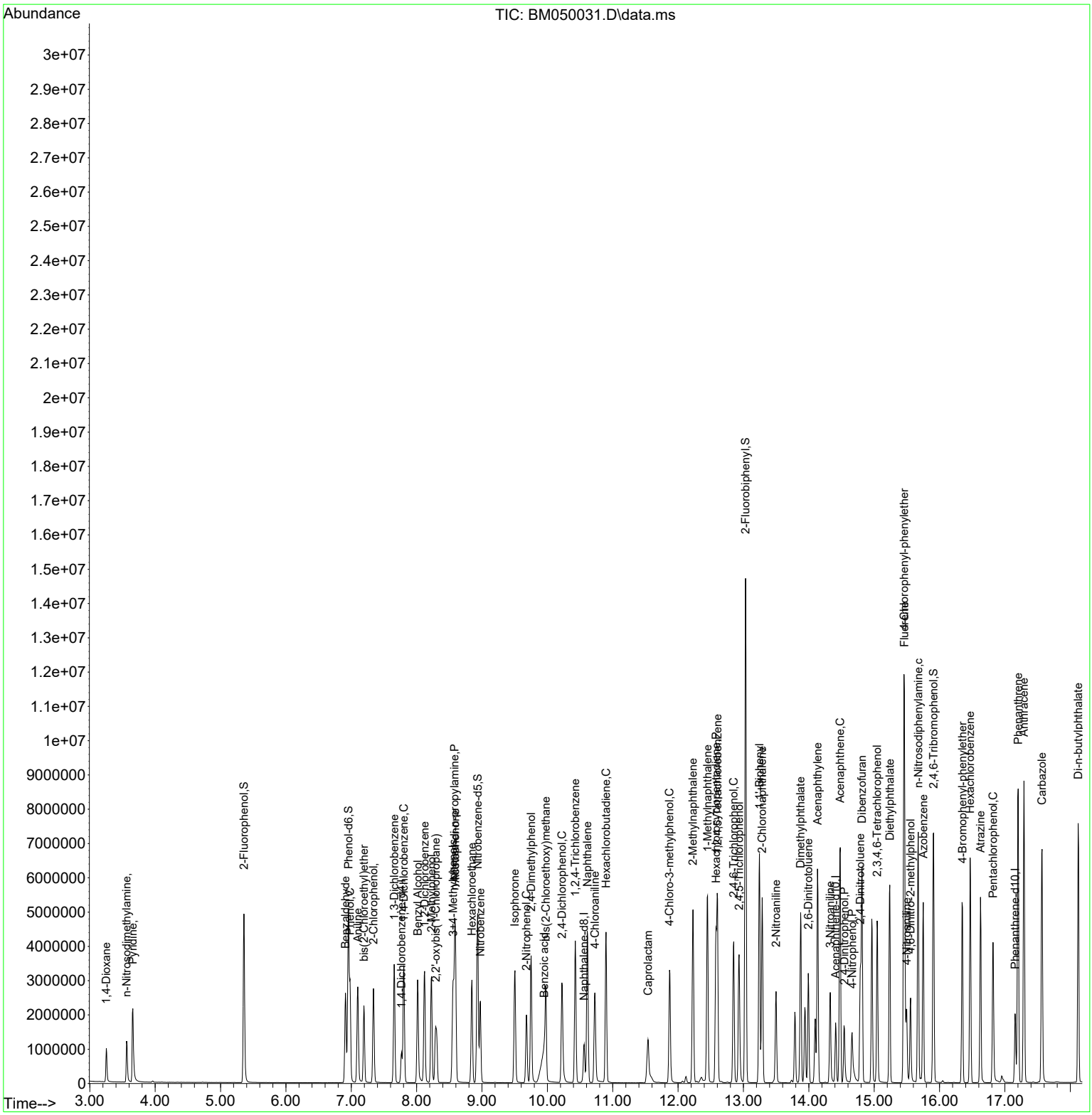
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.933	196	1220306	84.011	ng		98
46) 1,1'-Biphenyl	13.245	154	3613893	79.246	ng		99
47) 2-Chloronaphthalene	13.286	162	2842514	78.700	ng		99
48) 2-Nitroaniline	13.498	65	701256	82.725	ng		99
49) Acenaphthylene	14.133	152	4526874	79.492	ng		99
50) Dimethylphthalate	13.874	163	3507333	78.228	ng		99
51) 2,6-Dinitrotoluene	13.992	165	758296	81.689	ng		99
52) Acenaphthene	14.480	154	2618967	79.452	ng		100
53) 3-Nitroaniline	14.327	138	740202	83.521	ng		100
54) 2,4-Dinitrophenol	14.545	184	469472	79.096	ng		98
55) Dibenzofuran	14.815	168	4325783	78.875	ng		99
56) 4-Nitrophenol	14.662	139	566943	78.710	ng		99
57) 2,4-Dinitrotoluene	14.786	165	1080118	84.207	ng		96
58) Fluorene	15.462	166	3565506	79.426	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.045	232	1057707	84.123	ng		96
60) Diethylphthalate	15.239	149	3257954	77.118	ng		97
61) 4-Chlorophenyl-phenyle...	15.457	204	2051105	83.186	ng		96
62) 4-Nitroaniline	15.498	138	724549	84.678	ng		99
63) Azobenzene	15.751	77	2723186	76.914	ng		95
65) 4,6-Dinitro-2-methylph...	15.557	198	665798	87.741	ng		96
66) n-Nitrosodiphenylamine	15.674	169	2957293	79.443	ng		99
67) 4-Bromophenyl-phenylether	16.351	248	1225531	83.600	ng		94
68) Hexachlorobenzene	16.468	284	1412768	83.606	ng		95
69) Atrazine	16.627	200	1116818	83.174	ng		100
70) Pentachlorophenol	16.821	266	843195	88.648	ng		99
71) Phenanthrene	17.203	178	5487968	80.266	ng		99
72) Anthracene	17.292	178	5597195	80.893	ng		99
73) Carbazole	17.568	167	4845637	80.705	ng		99
74) Di-n-butylphthalate	18.121	149	5649166	79.007	ng		99
75) Fluoranthene	19.221	202	6841999	85.234	ng		99
77) Benzidine	19.403	184	3598340	84.575	ng		100
78) Pyrene	19.580	202	6959279	82.738	ng		99
80) Butylbenzylphthalate	20.474	149	2512705	79.760	ng		97
81) Benzo(a)anthracene	21.380	228	6747718	81.808	ng		99
82) 3,3'-Dichlorobenzidine	21.303	252	2782107	88.111	ng		99
83) Chrysene	21.444	228	6207632	81.316	ng		98
84) Bis(2-ethylhexyl)phtha...	21.297	149	3665836	77.905	ng	#	96
85) Di-n-octyl phthalate	22.427	149	6109632	78.732	ng		99
87) Indeno(1,2,3-cd)pyrene	27.803	276	7285836	85.629	ng		98
88) Benzo(b)fluoranthene	23.456	252	6347901	85.480	ng		99
89) Benzo(k)fluoranthene	23.521	252	6265924	83.396	ng		99
90) Benzo(a)pyrene	24.262	252	5925652	85.195	ng		99
91) Dibenzo(a,h)anthracene	27.850	278	5981478	86.239	ng		99
92) Benzo(g,h,i)perylene	28.862	276	5537637	83.395	ng		99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050031.D
Acq On : 28 Apr 2025 17:04
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Quant Time: Apr 28 17:59:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050031.D
Acq On : 28 Apr 2025 17:04
Operator : RC/JU
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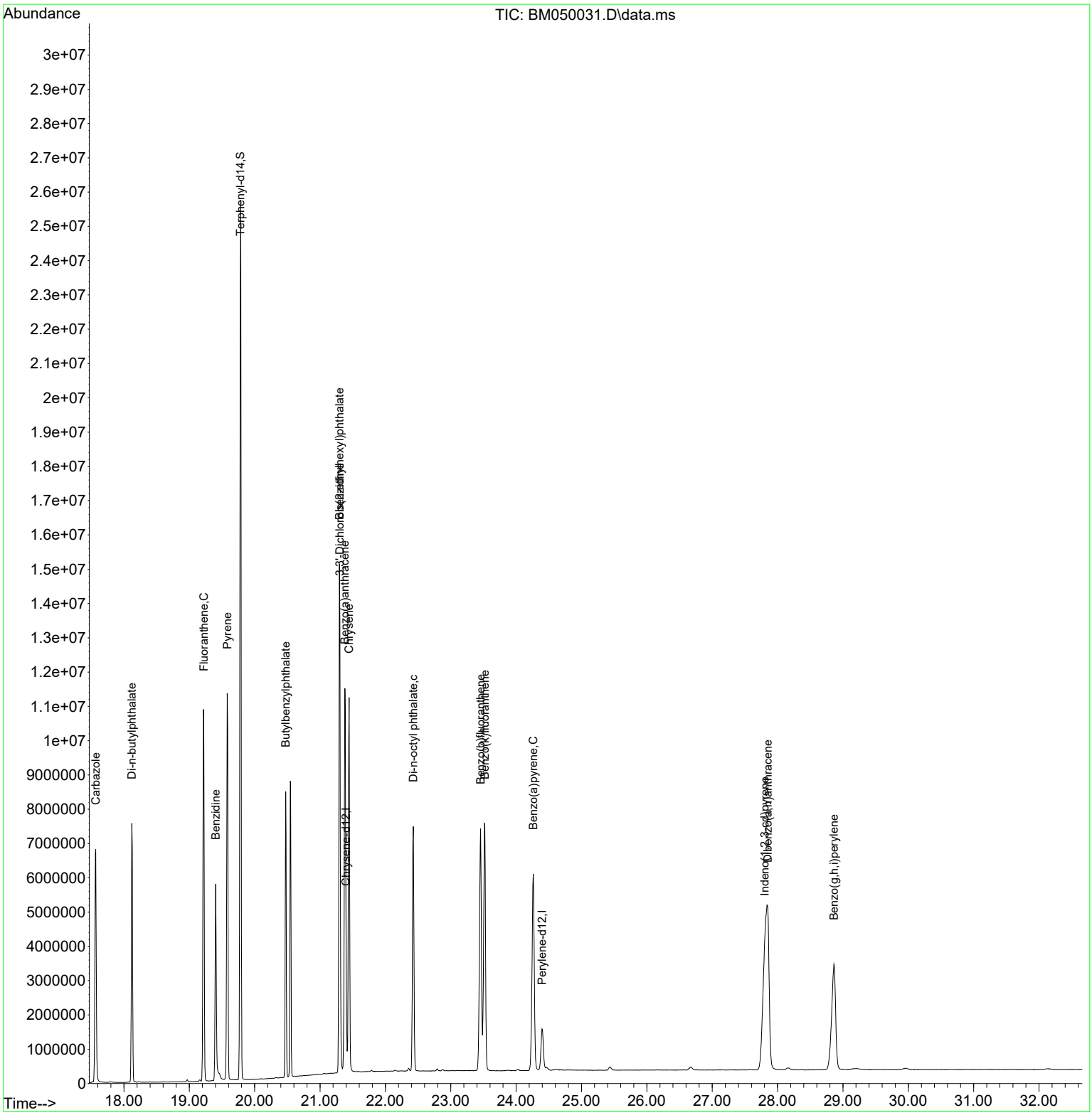
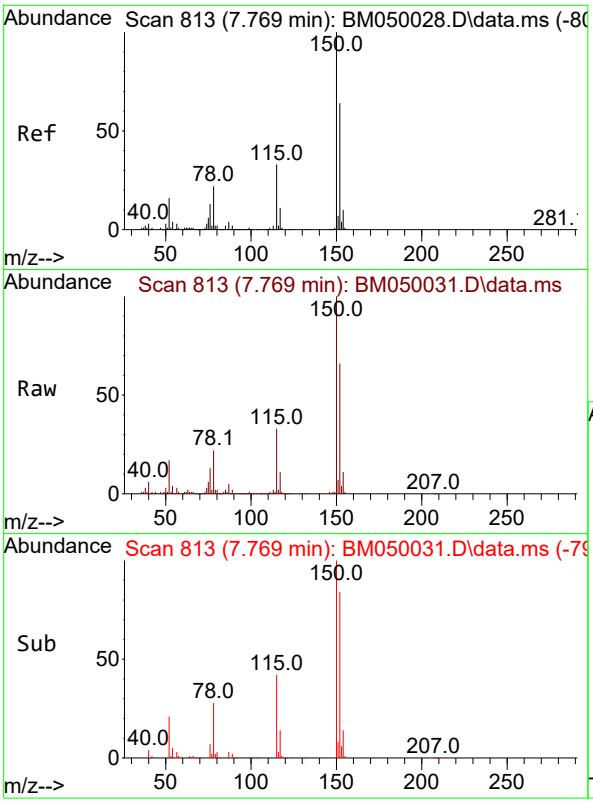
Quant Time: Apr 28 17:59:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration



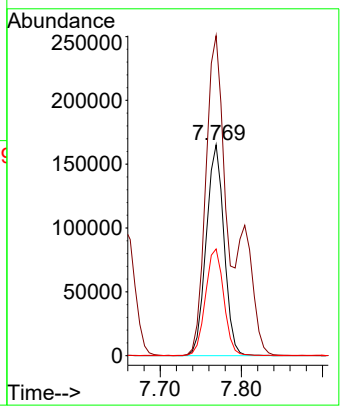


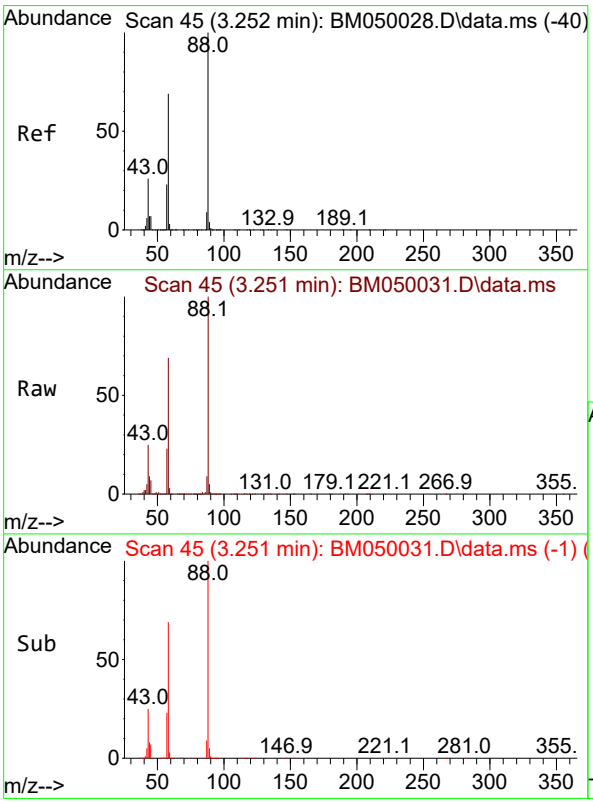
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 251380

Ion	Ratio	Lower	Upper
152	100		
150	151.7	124.1	186.1
115	50.6	41.2	61.8

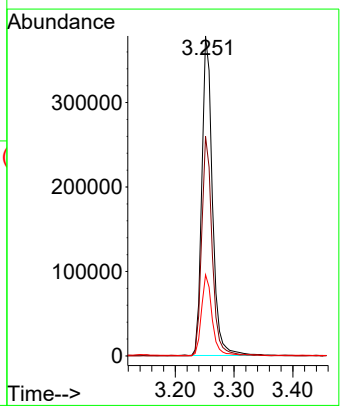


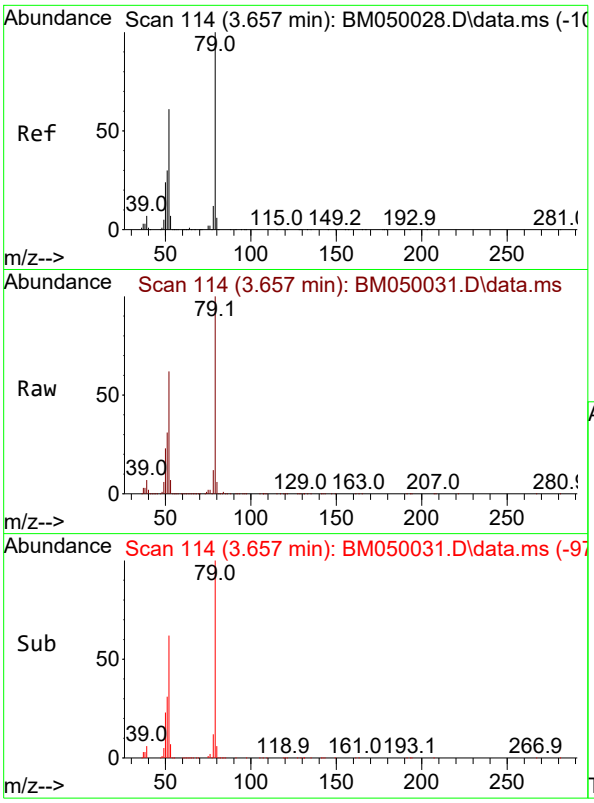


#2
1,4-Dioxane
Concen: 77.317 ng
RT: 3.251 min Scan# 45
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion: 88 Resp: 475912

Ion	Ratio	Lower	Upper
88	100		
58	68.0	55.1	82.7
43	25.3	20.9	31.3



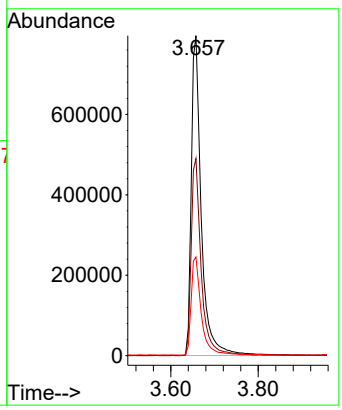


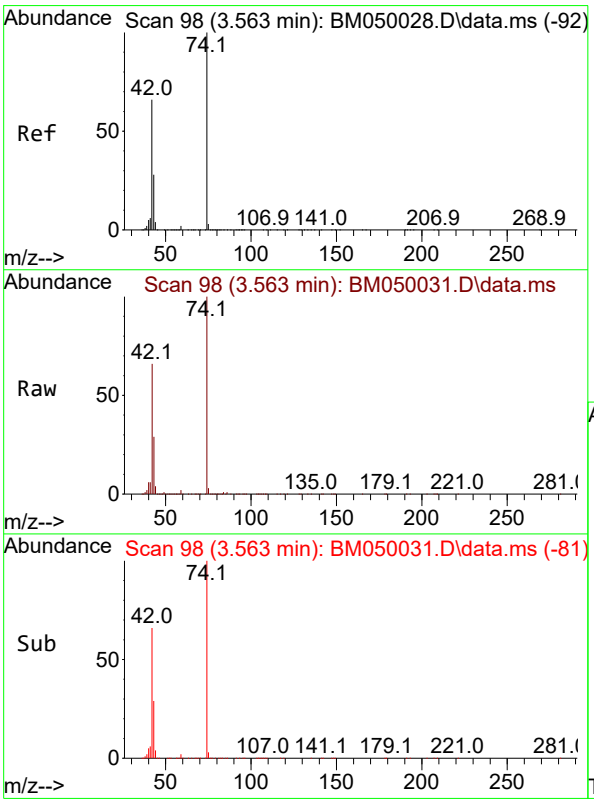
#3
Pyridine
Concen: 80.171 ng
RT: 3.657 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 1267903

Ion	Ratio	Lower	Upper
79	100		
52	61.6	48.6	72.8
51	30.8	24.6	37.0

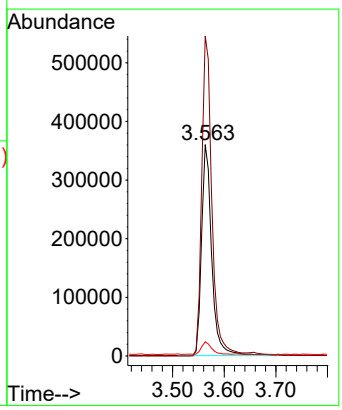


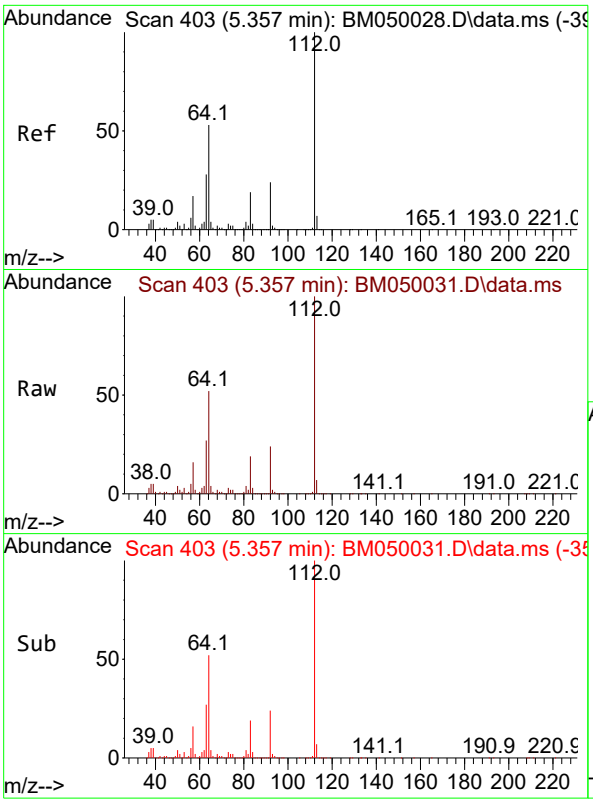


#4
n-Nitrosodimethylamine
Concen: 79.400 ng
RT: 3.563 min Scan# 98
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion: 42 Resp: 492501

Ion	Ratio	Lower	Upper
42	100		
74	151.4	120.2	180.2
44	6.8	6.2	9.2



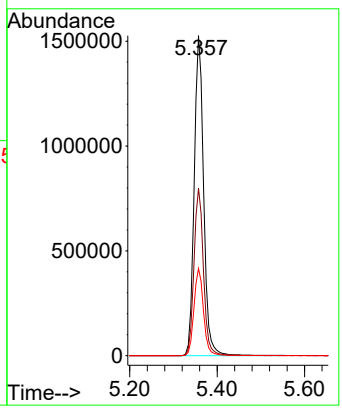


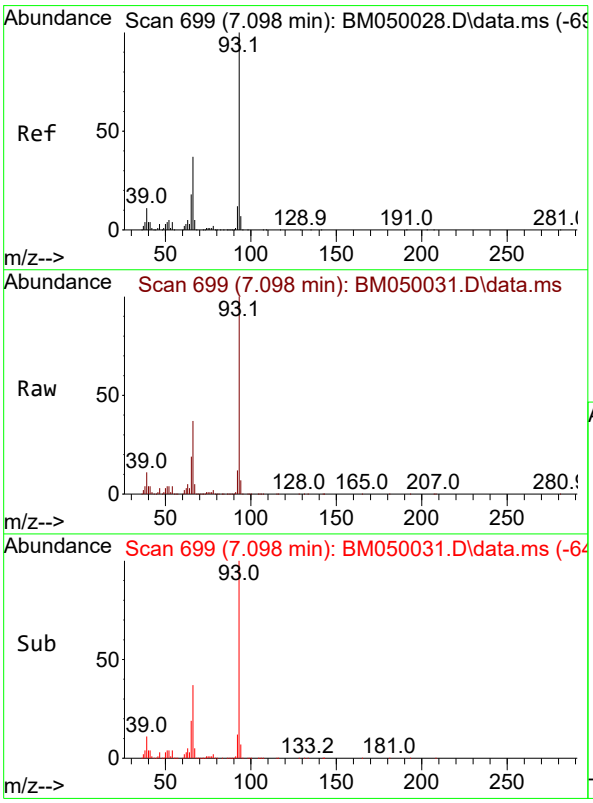
#5
2-Fluorophenol
Concen: 160.027 ng
RT: 5.357 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 2297313

Ion	Ratio	Lower	Upper
112	100		
64	52.3	42.6	64.0
63	27.2	22.2	33.4

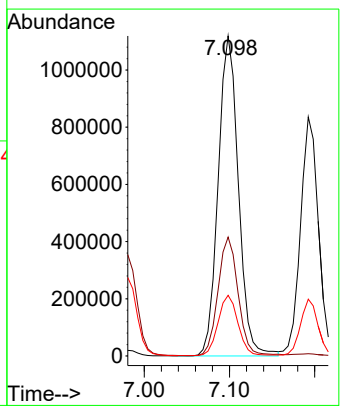


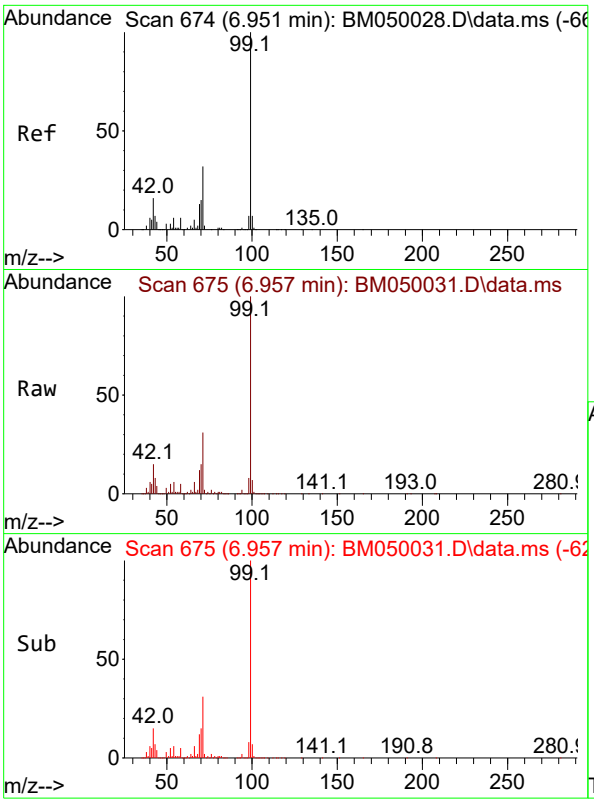


#6
Aniline
Concen: 80.979 ng
RT: 7.098 min Scan# 699
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion: 93 Resp: 1845033

Ion	Ratio	Lower	Upper
93	100		
66	37.2	29.9	44.9
65	19.0	14.5	21.7



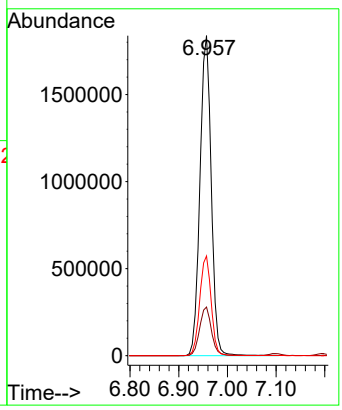


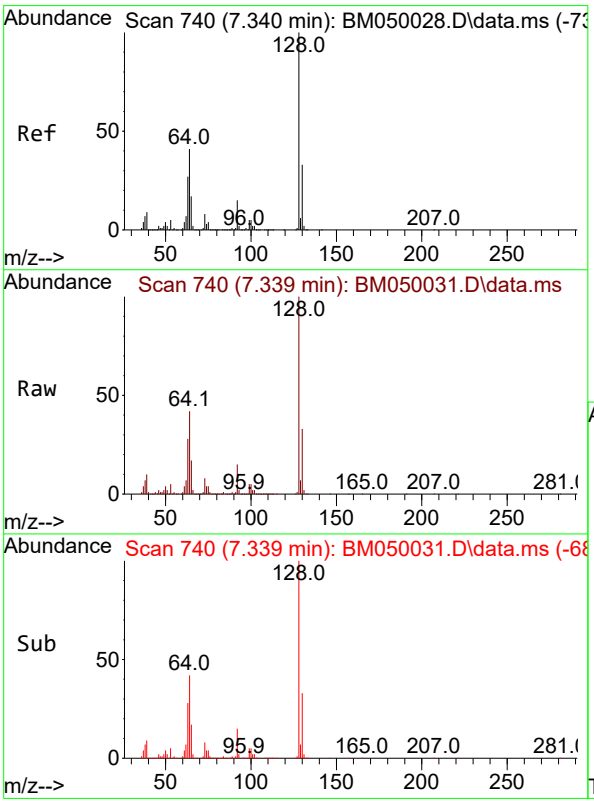
#7
Phenol-d6
Concen: 163.719 ng
RT: 6.957 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 2954036

Ion	Ratio	Lower	Upper
99	100		
42	15.2	13.0	19.4
71	31.1	25.6	38.4

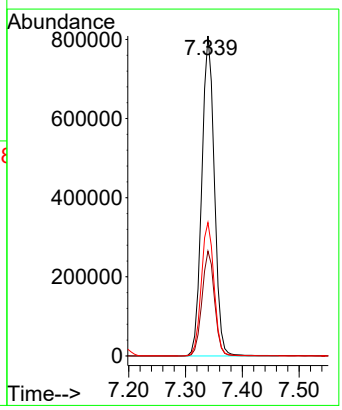


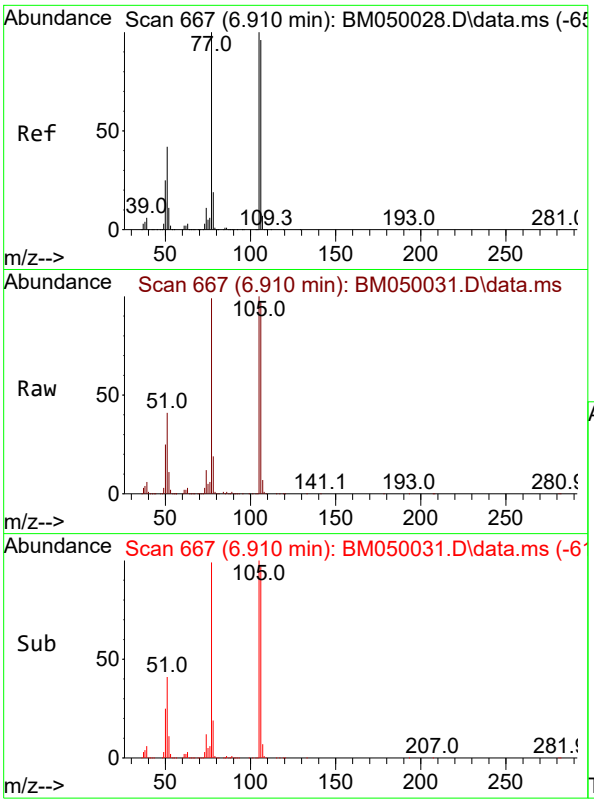


#8
2-Chlorophenol
Concen: 79.998 ng
RT: 7.339 min Scan# 740
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:128 Resp: 1241711

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.8	52.8
64	41.7	21.2	61.2



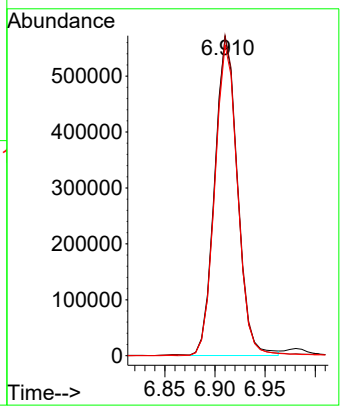


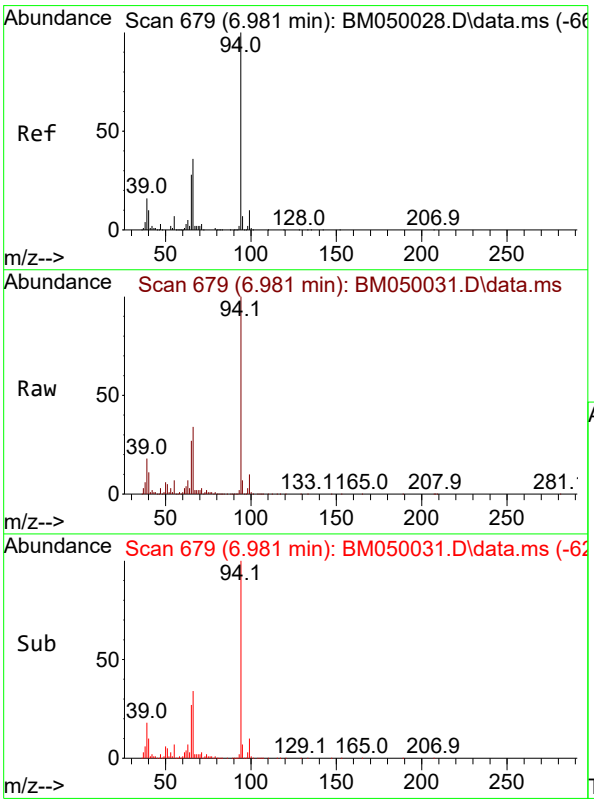
#9
Benzaldehyde
Concen: 74.544 ng
RT: 6.910 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 898993

Ion	Ratio	Lower	Upper
77	100		
105	100.5	80.5	120.5
106	97.5	76.1	116.1

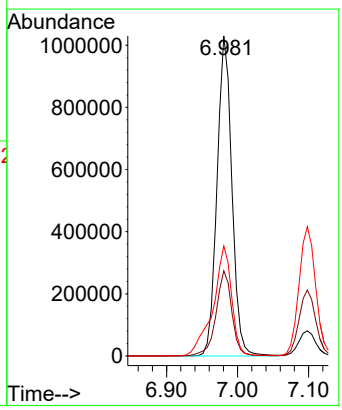


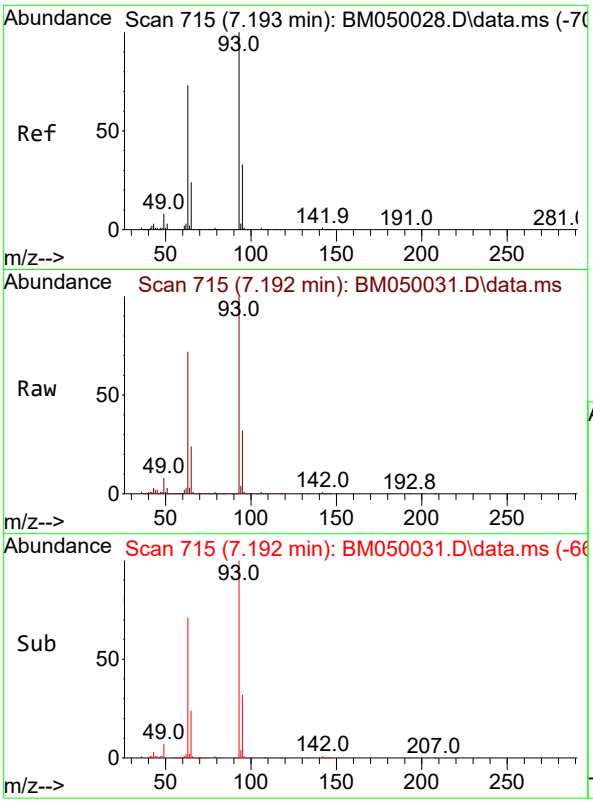


#10
Phenol
Concen: 81.638 ng
RT: 6.981 min Scan# 679
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion: 94 Resp: 1491194

Ion	Ratio	Lower	Upper
94	100		
65	26.6	7.6	47.6
66	34.4	15.8	55.8



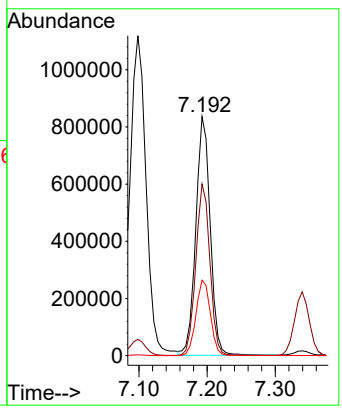


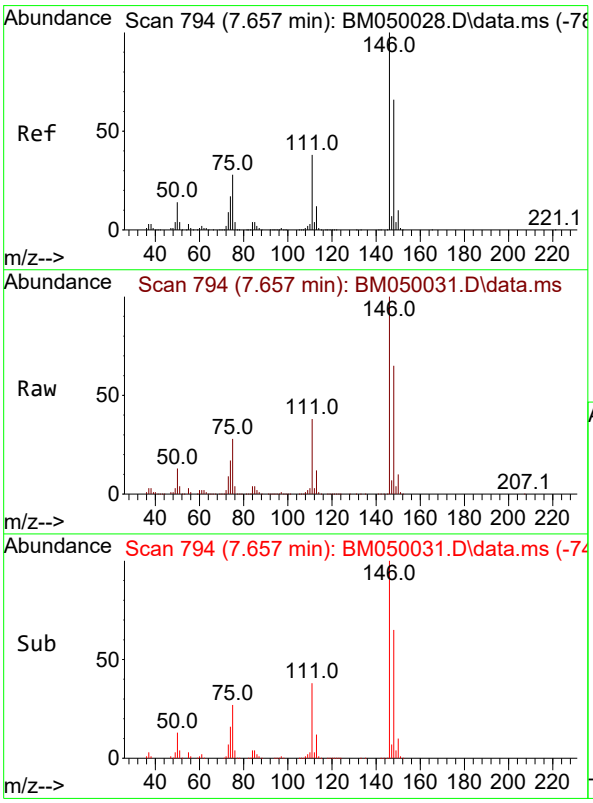
#11
bis(2-Chloroethyl)ether
Concen: 80.283 ng
RT: 7.192 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 1224517

Ion	Ratio	Lower	Upper
93	100		
63	71.8	52.3	92.3
95	31.6	12.8	52.8

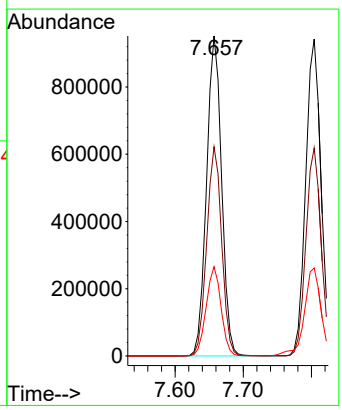


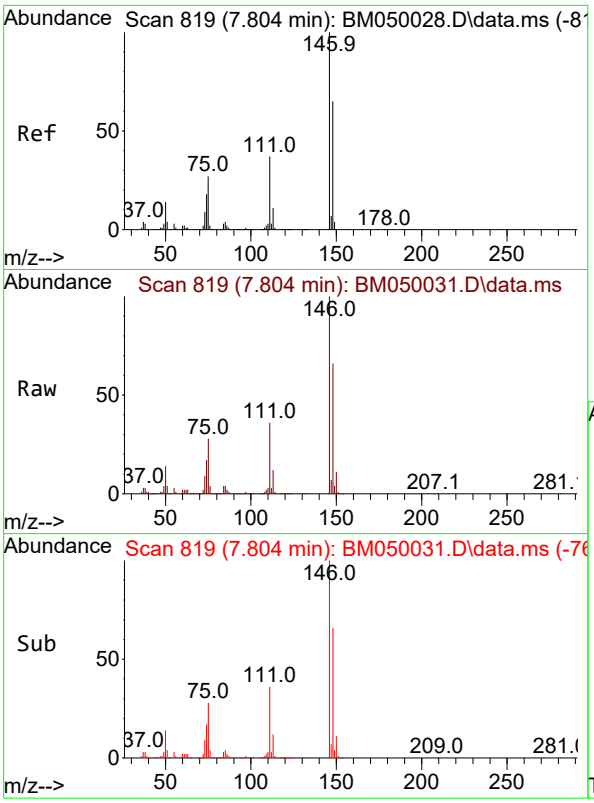


#12
1,3-Dichlorobenzene
Concen: 77.912 ng
RT: 7.657 min Scan# 794
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:146 Resp: 1460820

Ion	Ratio	Lower	Upper
146	100		
148	65.3	52.5	78.7
75	27.9	22.6	34.0



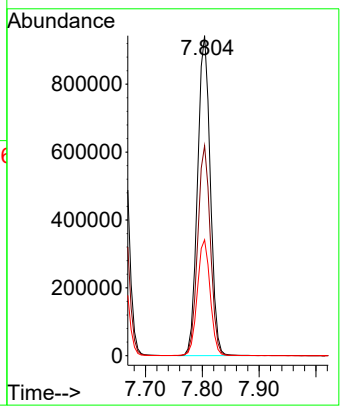


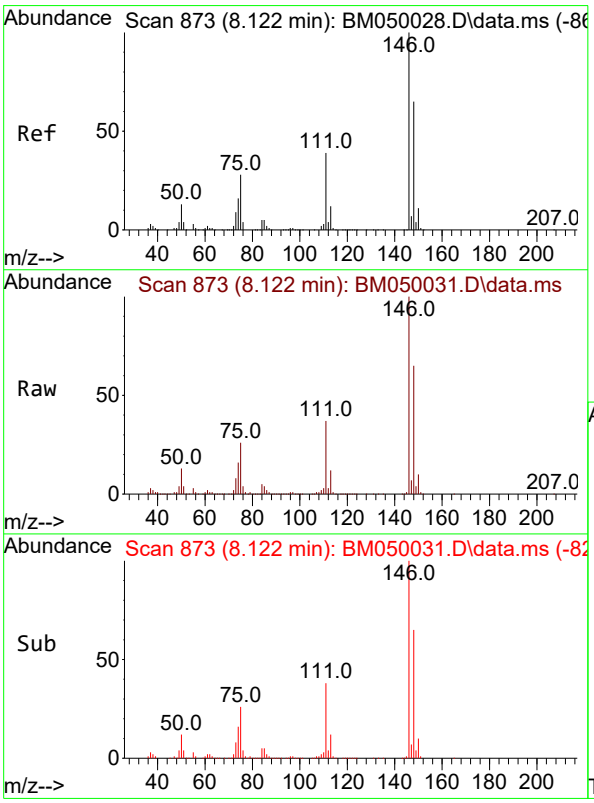
#13
1,4-Dichlorobenzene
Concen: 77.822 ng
RT: 7.804 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 1465881

Ion	Ratio	Lower	Upper
146	100		
148	65.6	52.2	78.2
111	36.2	29.3	43.9

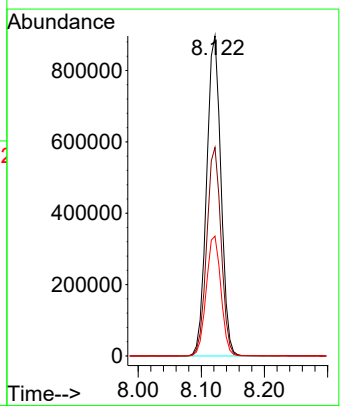


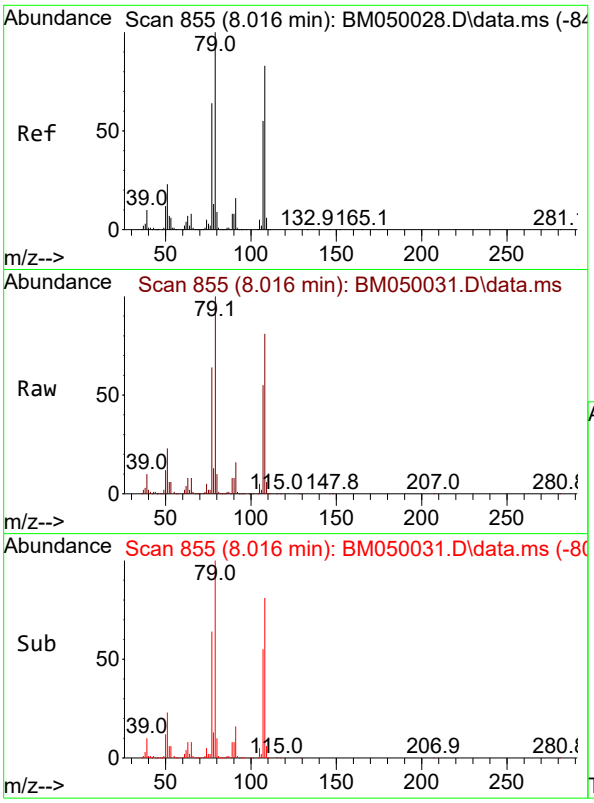


#14
1,2-Dichlorobenzene
Concen: 77.618 ng
RT: 8.122 min Scan# 873
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:146 Resp: 1412270

Ion	Ratio	Lower	Upper
146	100		
148	65.2	52.4	78.6
111	37.5	31.0	46.6



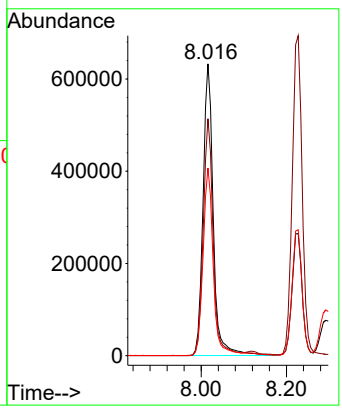


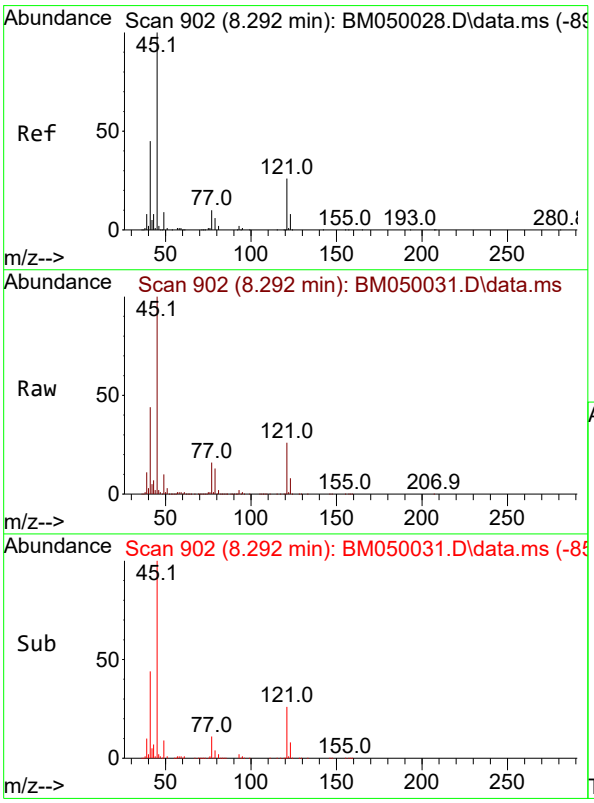
#15
Benzyl Alcohol
Concen: 84.339 ng
RT: 8.016 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 1055328

Ion	Ratio	Lower	Upper
79	100		
108	81.2	66.0	99.0
77	64.3	51.6	77.4

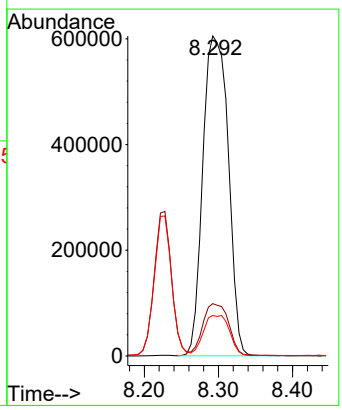


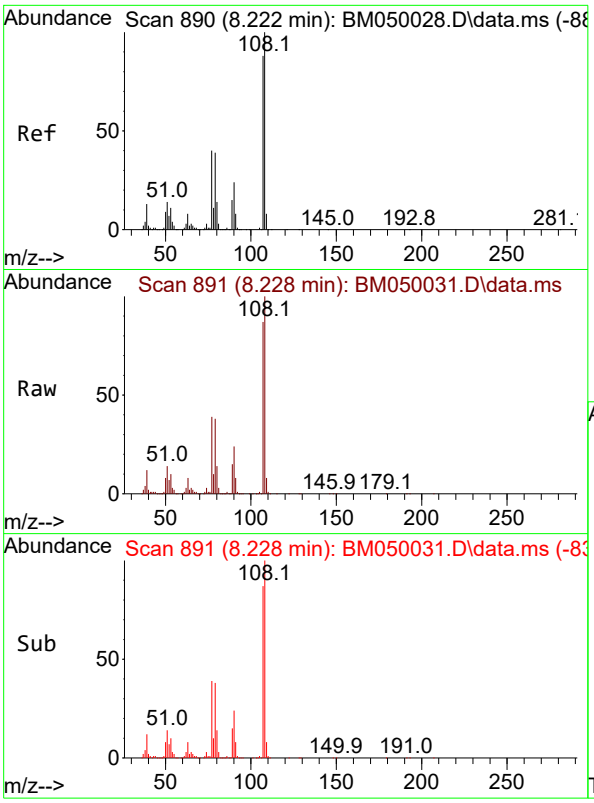


#16
2,2'-oxybis(1-Chloropropane)
Concen: 77.694 ng
RT: 8.292 min Scan# 902
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion: 45 Resp: 1440484

Ion	Ratio	Lower	Upper
45	100		
77	16.4	0.0	36.4
79	12.7	0.0	32.7



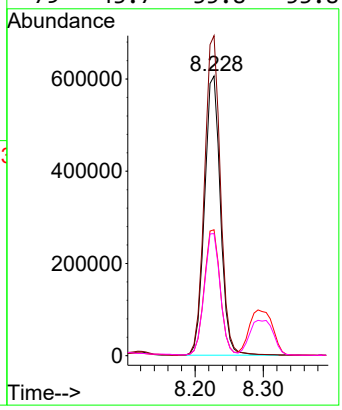


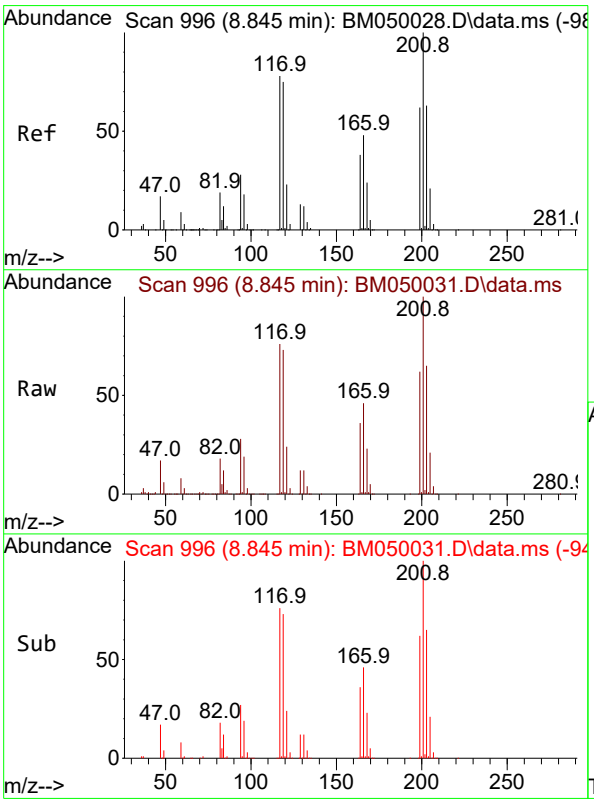
#17
2-Methylphenol
Concen: 81.473 ng
RT: 8.228 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 980375

Ion	Ratio	Lower	Upper
107	100		
108	114.4	91.1	136.7
77	45.1	36.2	54.4
79	43.7	35.8	53.8

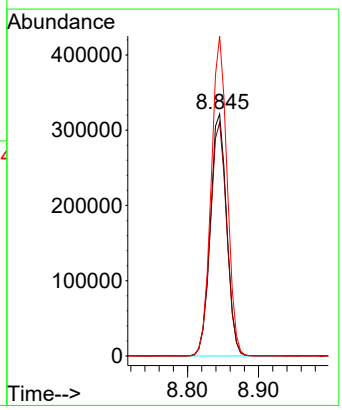


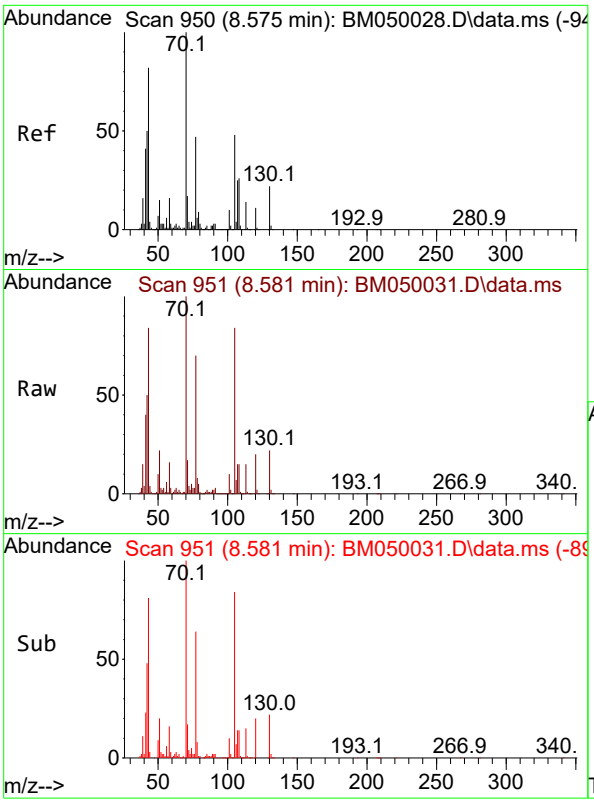


#18
Hexachloroethane
Concen: 76.632 ng
RT: 8.845 min Scan# 996
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:117 Resp: 513126

Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.3	115.9
201	132.3	102.8	154.2



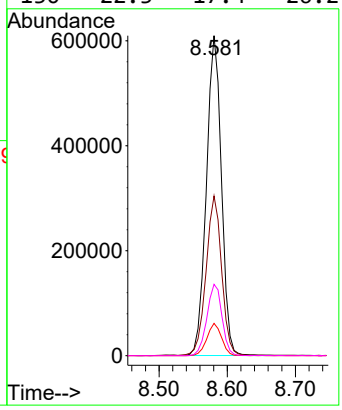


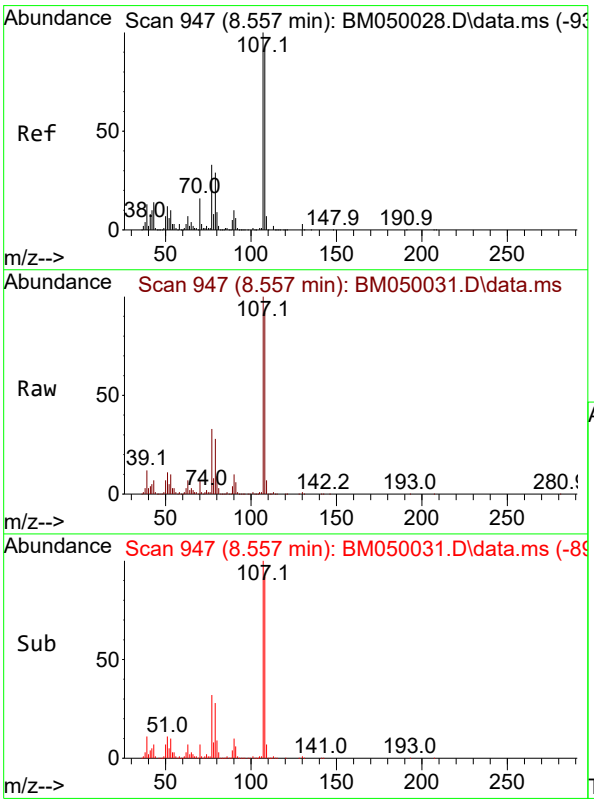
#19
n-Nitroso-di-n-propylamine
Concen: 80.665 ng
RT: 8.581 min Scan# 9
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion: 70 Resp: 933468

Ion	Ratio	Lower	Upper
70	100		
42	49.9	40.5	60.7
101	10.1	7.8	11.6
130	22.3	17.4	26.2

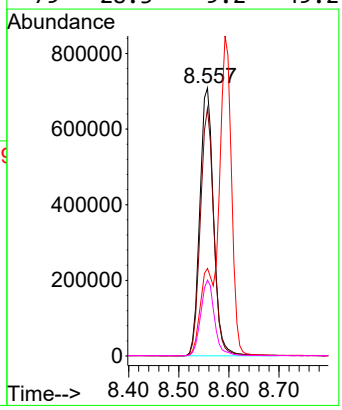


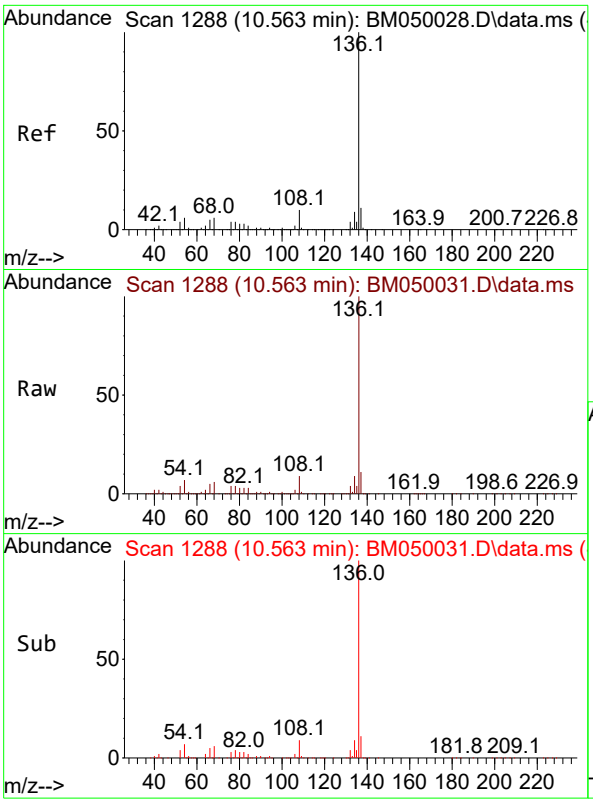


#20
3+4-Methylphenols
Concen: 82.965 ng
RT: 8.557 min Scan# 947
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:107 Resp: 1348190

Ion	Ratio	Lower	Upper
107	100		
108	92.3	72.4	112.4
77	32.6	13.6	53.6
79	28.3	9.2	49.2



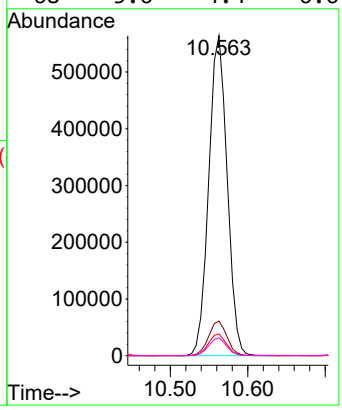


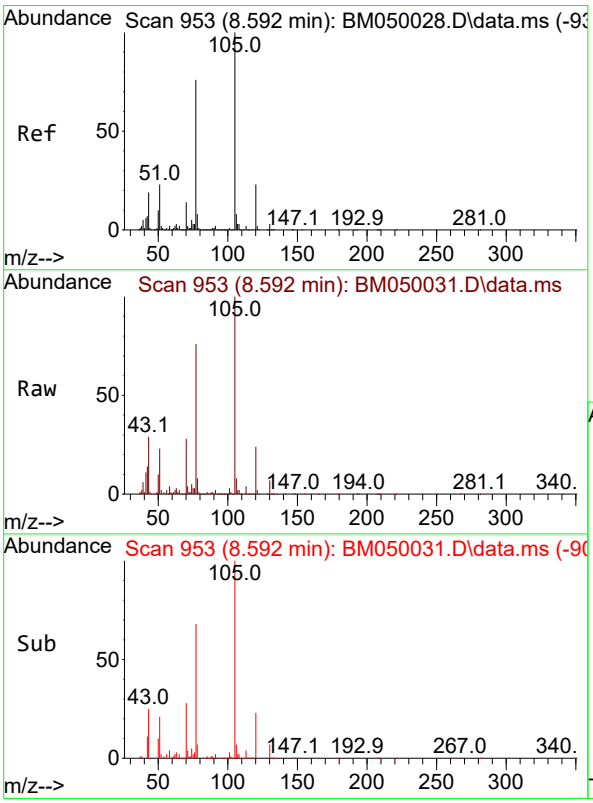
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:136 Resp: 931435

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.8	5.1	7.7
68	5.6	4.4	6.6

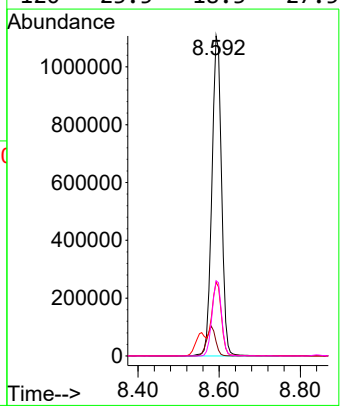


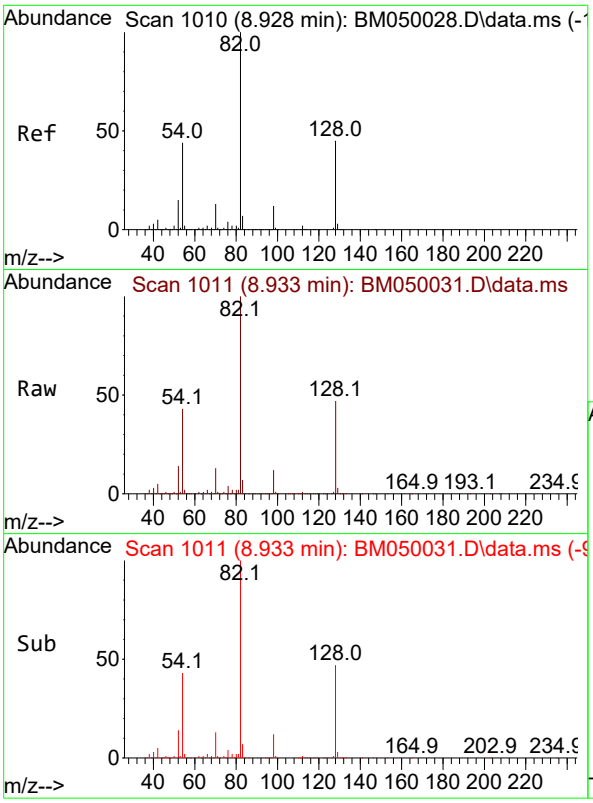


#22
Acetophenone
Concen: 78.406 ng
RT: 8.592 min Scan# 953
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:105 Resp: 1815657

Ion	Ratio	Lower	Upper
105	100		
71	4.4	1.7	2.5#
51	23.0	18.6	27.8
120	23.5	18.3	27.5



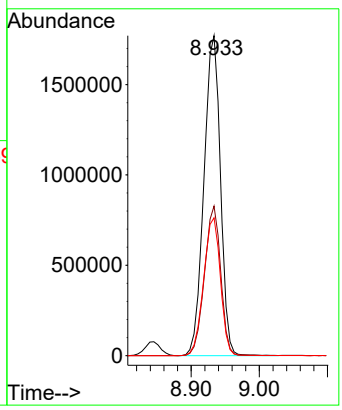


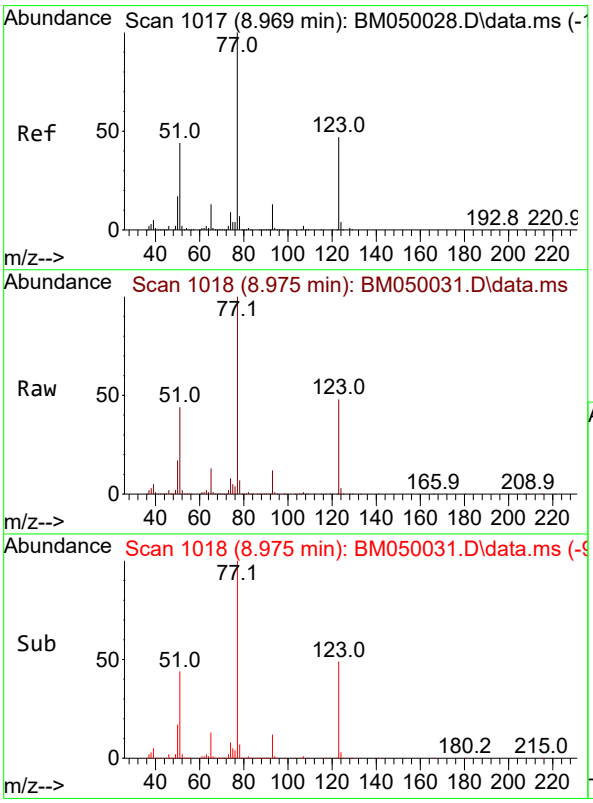
#23
Nitrobenzene-d5
Concen: 157.875 ng
RT: 8.933 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 2984192

Ion	Ratio	Lower	Upper
82	100		
128	46.8	35.7	53.5
54	43.1	35.4	53.2

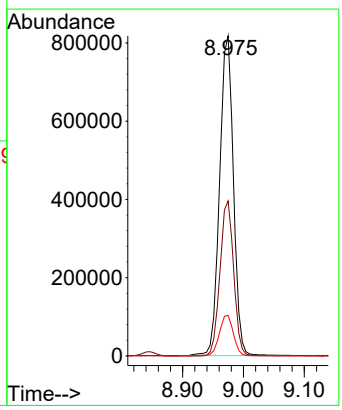


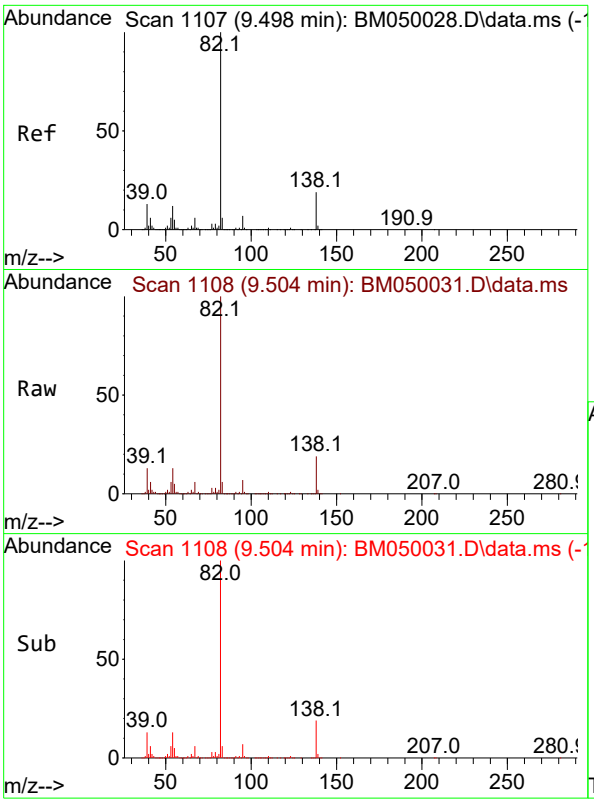


#24
Nitrobenzene
Concen: 78.871 ng
RT: 8.975 min Scan# 1018
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion: 77 Resp: 1289068

Ion	Ratio	Lower	Upper
77	100		
123	48.5	37.9	56.9
65	12.7	10.1	15.1



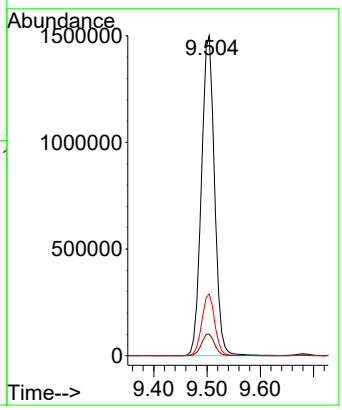


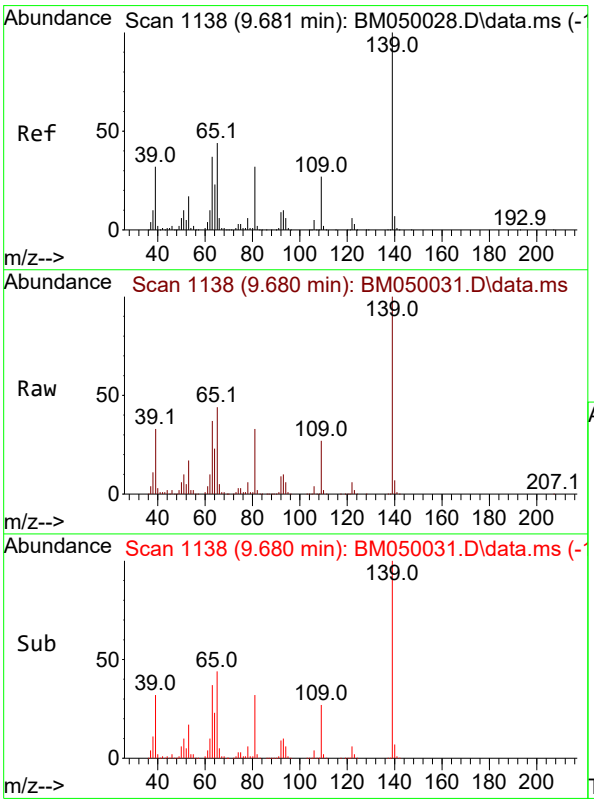
#25
Isophorone
Concen: 79.430 ng
RT: 9.504 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 2559279

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.7	8.5
138	19.3	15.5	23.3

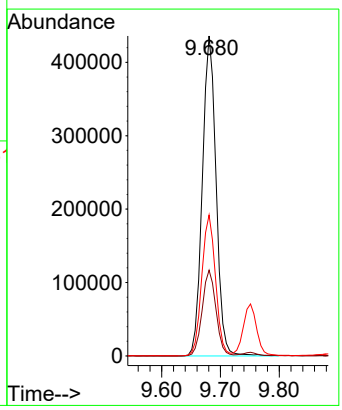


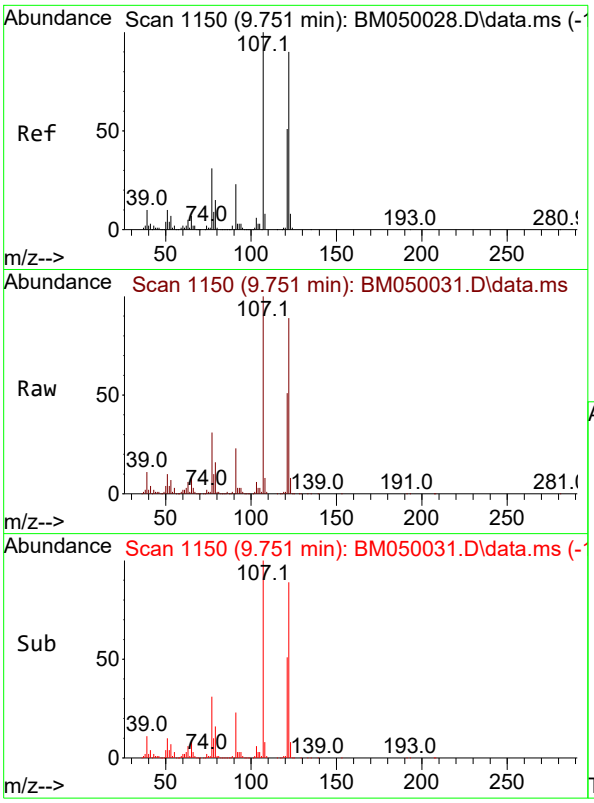


#26
2-Nitrophenol
Concen: 85.053 ng
RT: 9.680 min Scan# 1138
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:139 Resp: 710174

Ion	Ratio	Lower	Upper
139	100		
109	26.8	21.9	32.9
65	44.0	35.4	53.2



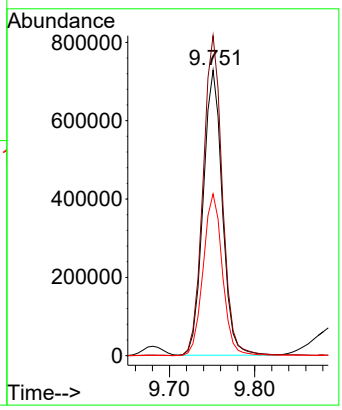


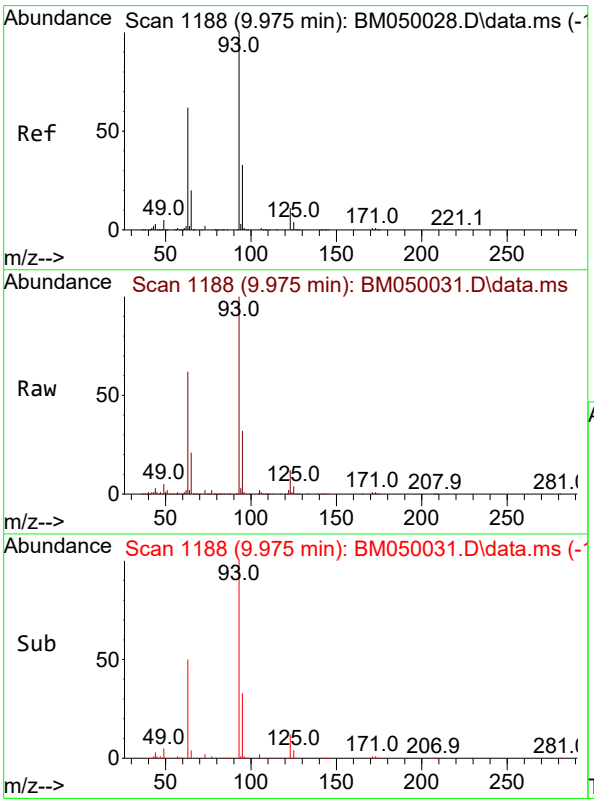
#27
2,4-Dimethylphenol
Concen: 82.043 ng
RT: 9.751 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 1136040

Ion	Ratio	Lower	Upper
122	100		
107	112.1	89.0	133.6
121	56.7	45.6	68.4

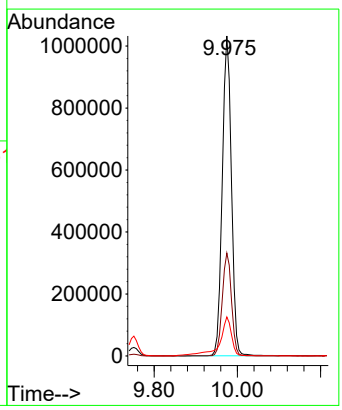


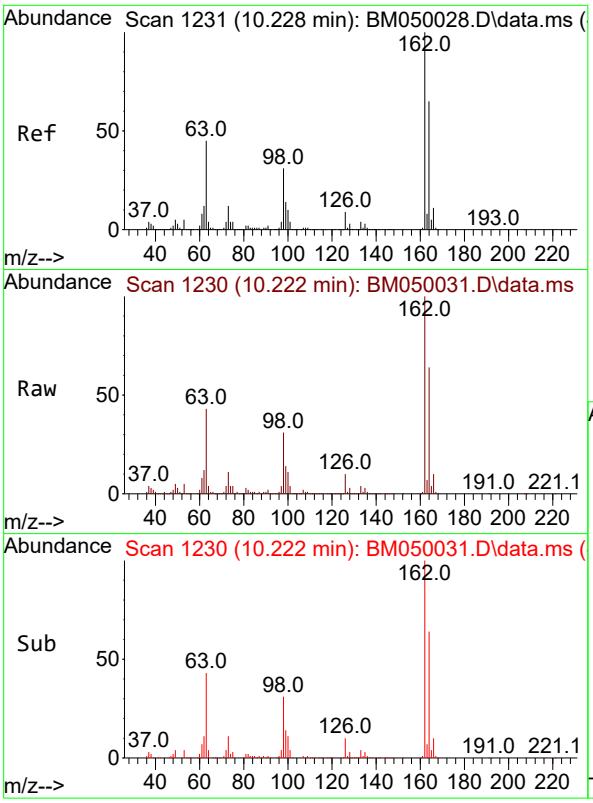


#28
bis(2-Chloroethoxy)methane
Concen: 79.437 ng
RT: 9.975 min Scan# 1188
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion: 93 Resp: 1581985

Ion	Ratio	Lower	Upper
93	100		
95	32.2	26.1	39.1
123	12.2	9.5	14.3



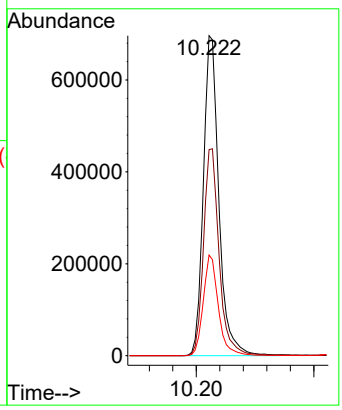


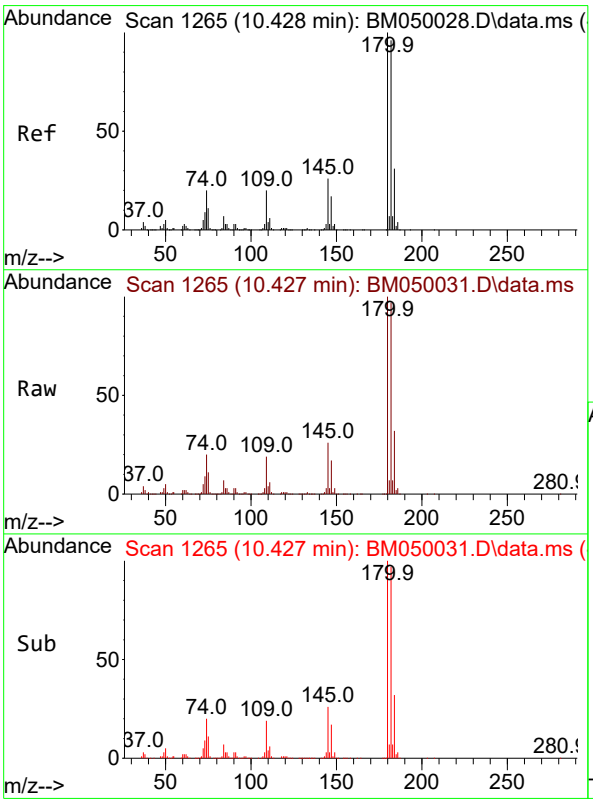
#29
2,4-Dichlorophenol
Concen: 82.243 ng
RT: 10.222 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 1275806

Ion	Ratio	Lower	Upper
162	100		
164	64.4	45.4	85.4
98	31.4	11.3	51.3

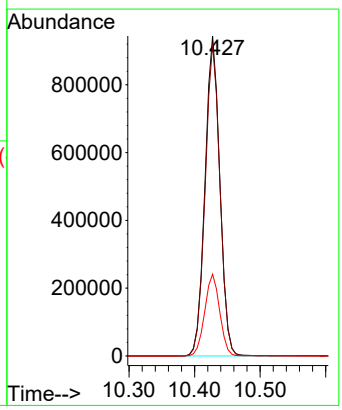


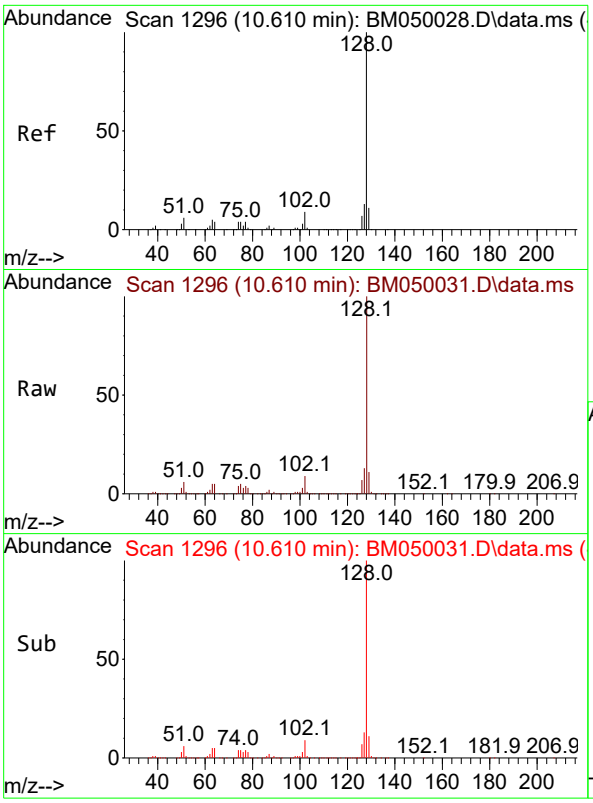


#30
1,2,4-Trichlorobenzene
Concen: 78.590 ng
RT: 10.427 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:180 Resp: 1485344

Ion	Ratio	Lower	Upper
180	100		
182	97.5	77.0	115.4
145	25.6	20.6	30.8



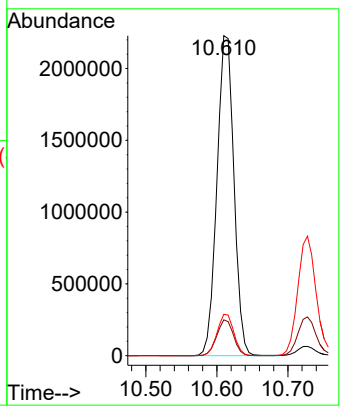


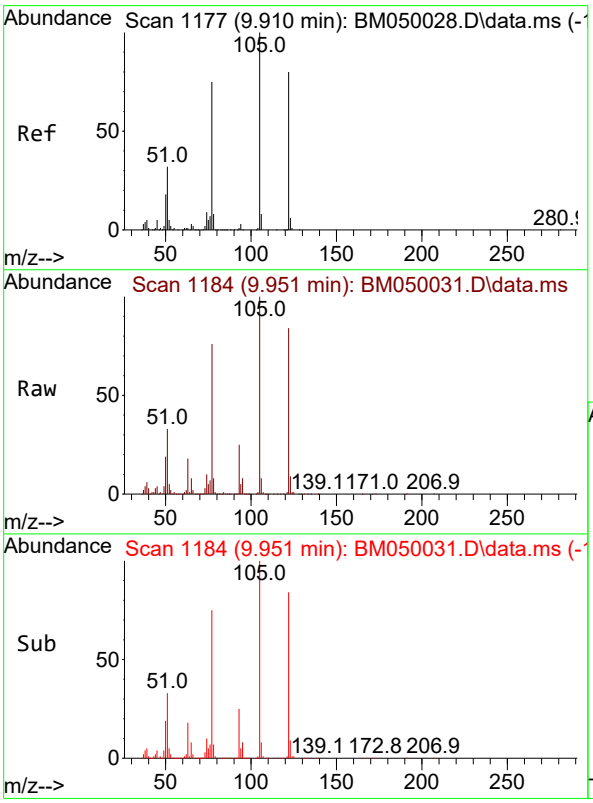
#31
Naphthalene
Concen: 78.143 ng
RT: 10.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:128 Resp: 3686066

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	13.0	10.4	15.6

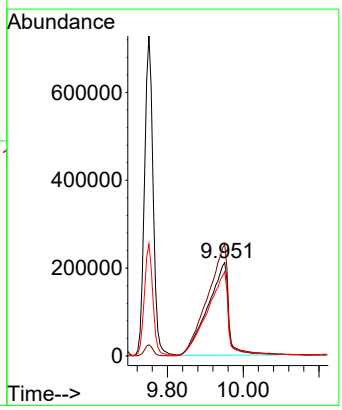


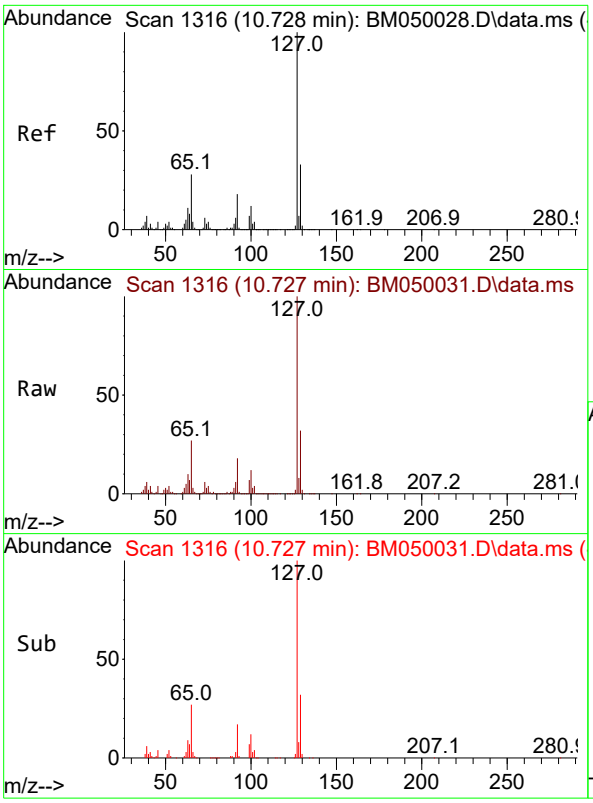


#32
Benzoic acid
Concen: 90.660 ng
RT: 9.951 min Scan# 1184
Delta R.T. 0.041 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:122 Resp: 800660

Ion	Ratio	Lower	Upper
122	100		
105	119.6	103.6	143.6
77	90.5	73.7	113.7



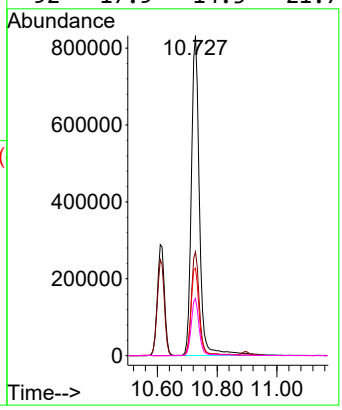


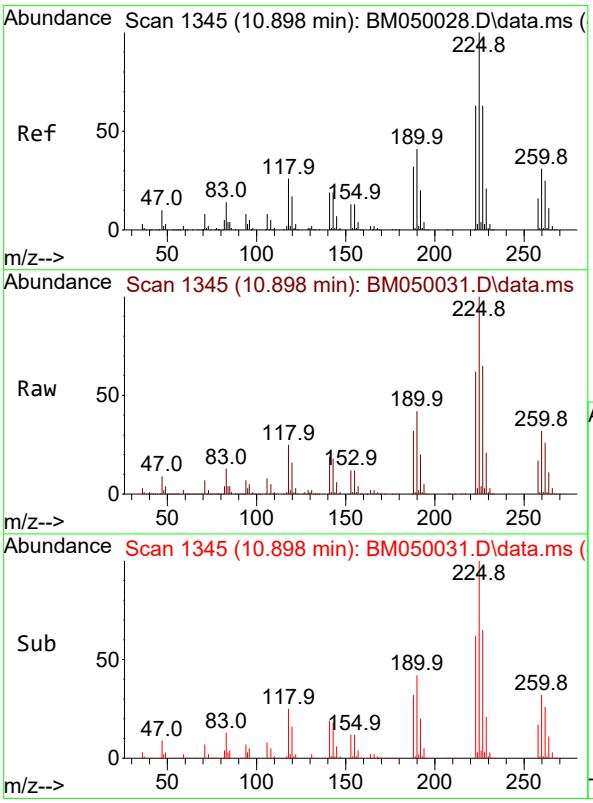
#33
4-Chloroaniline
Concen: 81.508 ng
RT: 10.727 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:127 Resp: 1575909

Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.3	39.5
65	27.3	22.5	33.7
92	17.9	14.5	21.7

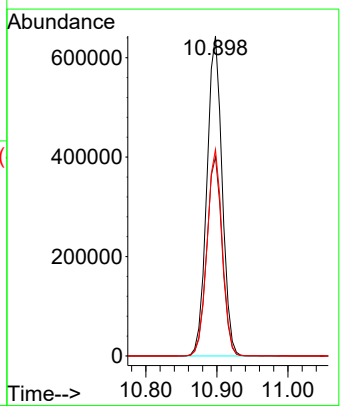


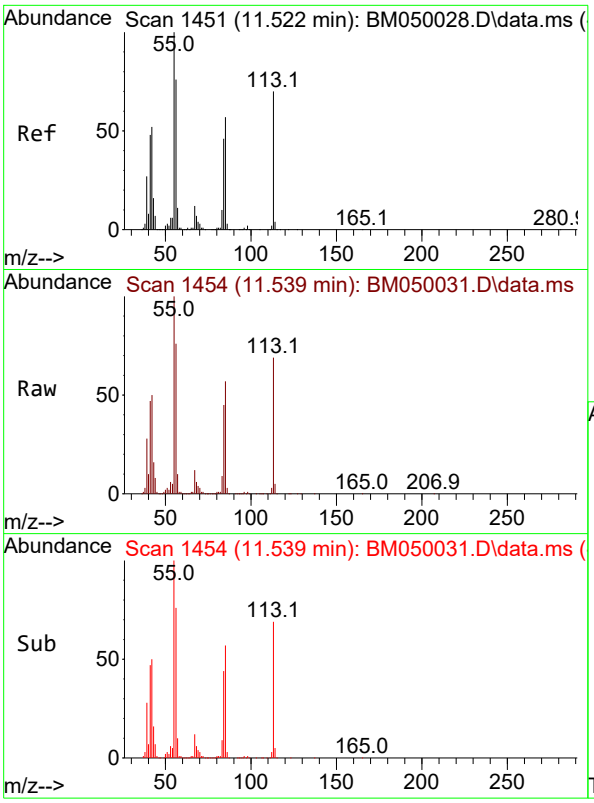


#34
Hexachlorobutadiene
Concen: 80.012 ng
RT: 10.898 min Scan# 1345
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:225 Resp: 959905

Ion	Ratio	Lower	Upper
225	100		
223	62.3	50.2	75.2
227	64.6	50.6	76.0



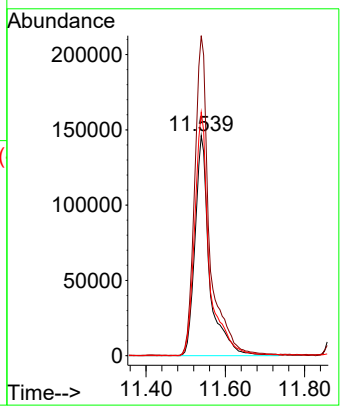


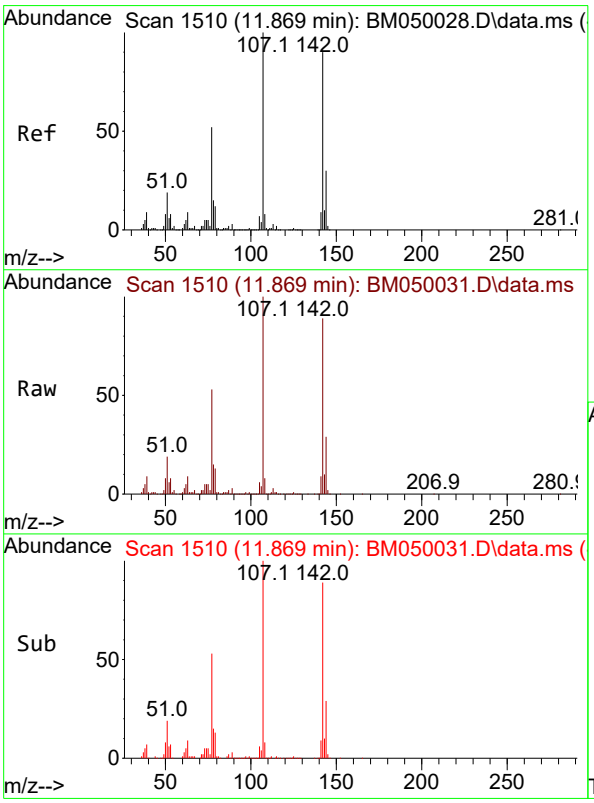
#35
Caprolactam
Concen: 82.060 ng
RT: 11.539 min Scan# 14
Delta R.T. 0.018 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:113 Resp: 371164

Ion	Ratio	Lower	Upper
113	100		
55	145.4	122.9	162.9
56	110.6	88.1	128.1

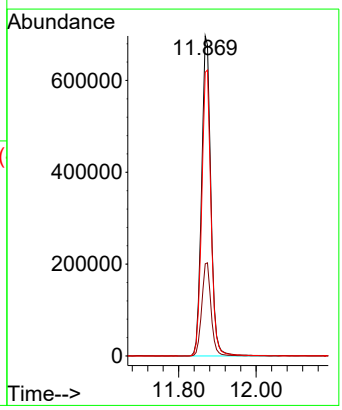


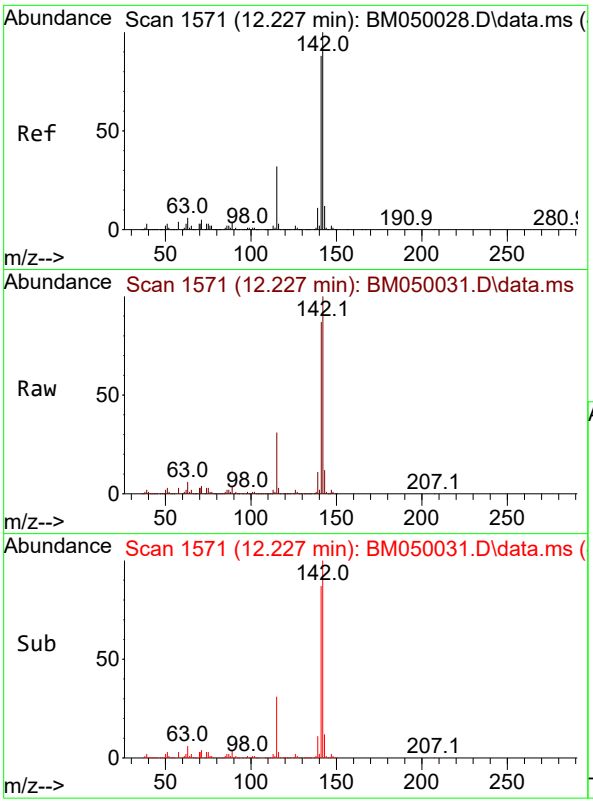


#36
4-Chloro-3-methylphenol
Concen: 80.424 ng
RT: 11.869 min Scan# 1510
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:107 Resp: 1152624

Ion	Ratio	Lower	Upper
107	100		
144	28.8	23.8	35.6
142	88.7	71.9	107.9



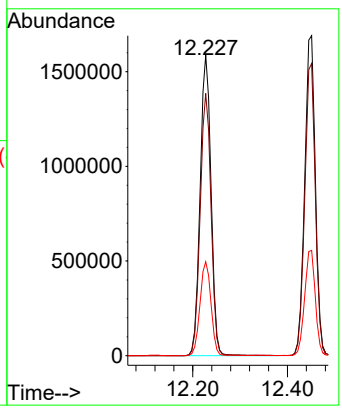


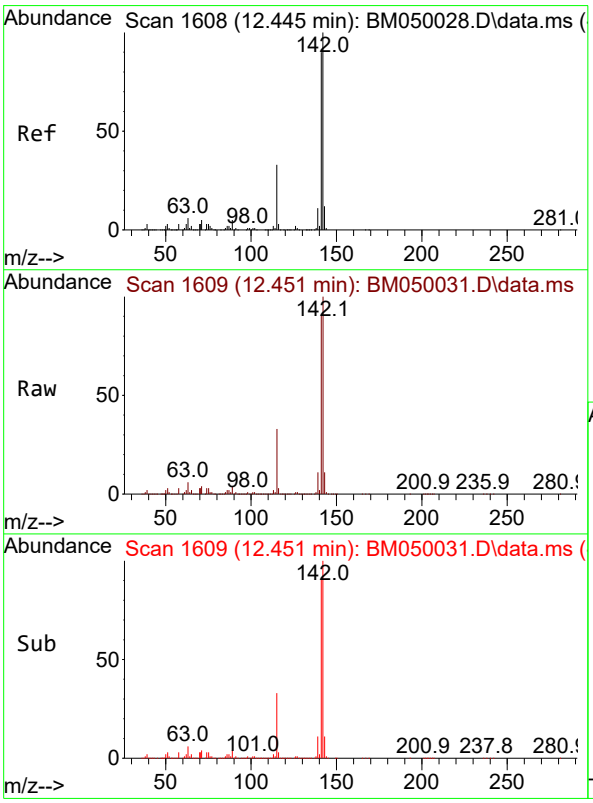
#37
2-Methylnaphthalene
Concen: 79.858 ng
RT: 12.227 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 2525532

Ion	Ratio	Lower	Upper
142	100		
141	87.3	70.4	105.6
115	31.2	25.4	38.2

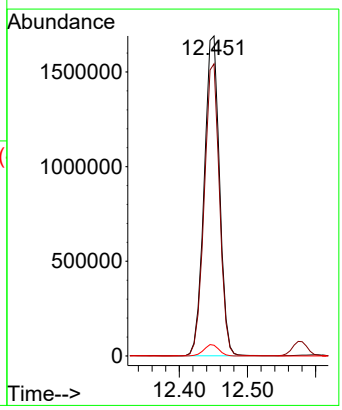


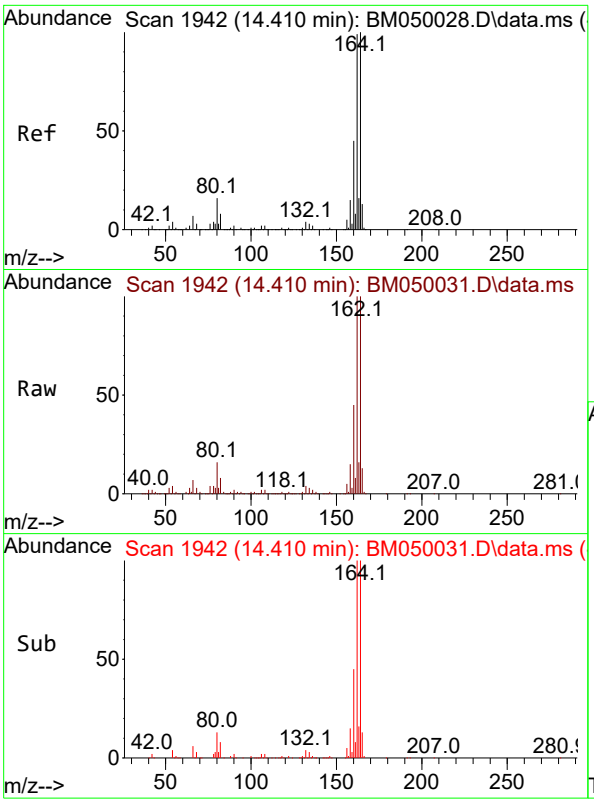


#38
1-Methylnaphthalene
Concen: 79.045 ng
RT: 12.451 min Scan# 1609
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:142 Resp: 2645483

Ion	Ratio	Lower	Upper
142	100		
141	91.3	72.1	108.1
116	3.4	2.7	4.1



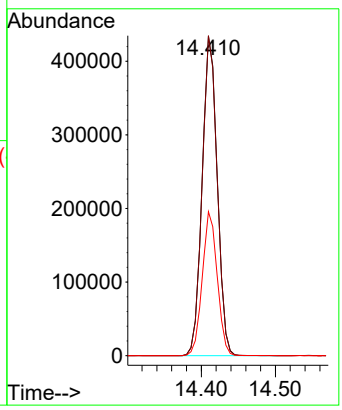


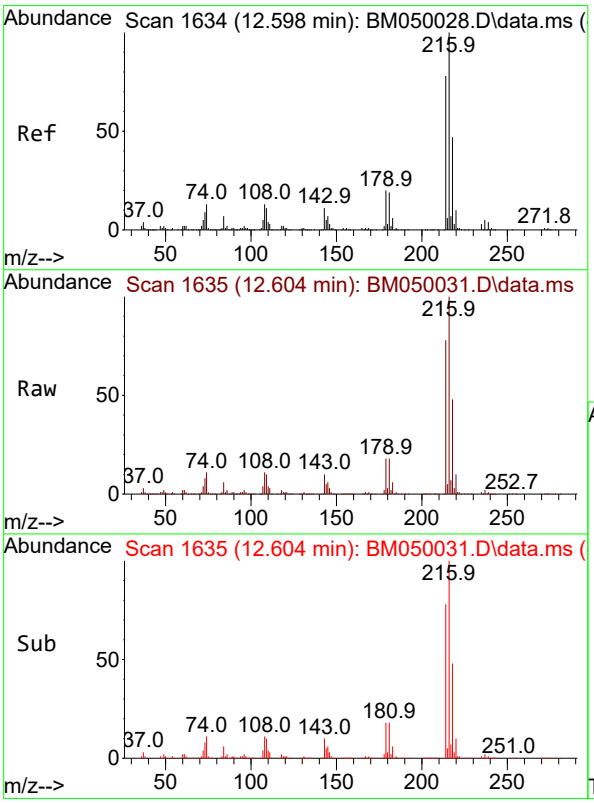
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:164 Resp: 613490

Ion	Ratio	Lower	Upper
164	100		
162	100.1	79.4	119.0
160	45.0	36.2	54.4

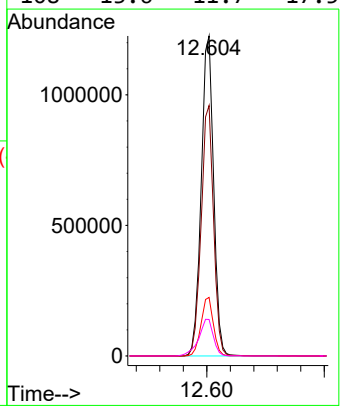


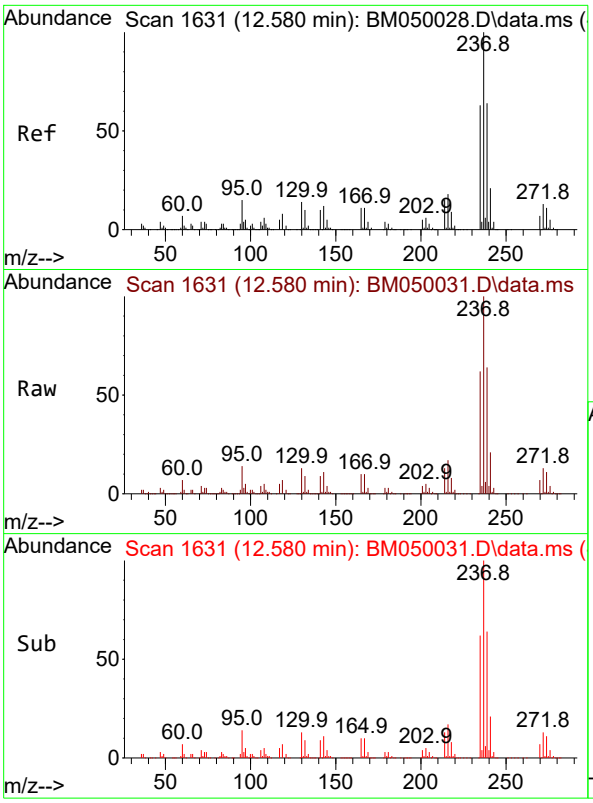


#40
1,2,4,5-Tetrachlorobenzene
Concen: 84.742 ng
RT: 12.604 min Scan# 1635
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:216 Resp: 1799698

Ion	Ratio	Lower	Upper
216	100		
214	78.4	62.3	93.5
179	18.4	15.4	23.0
108	13.6	11.7	17.5



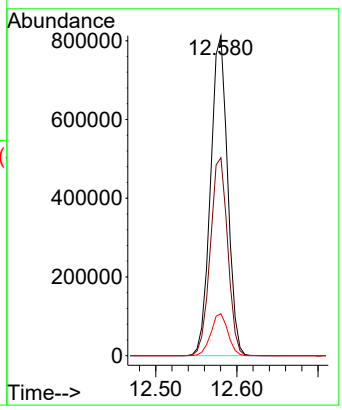


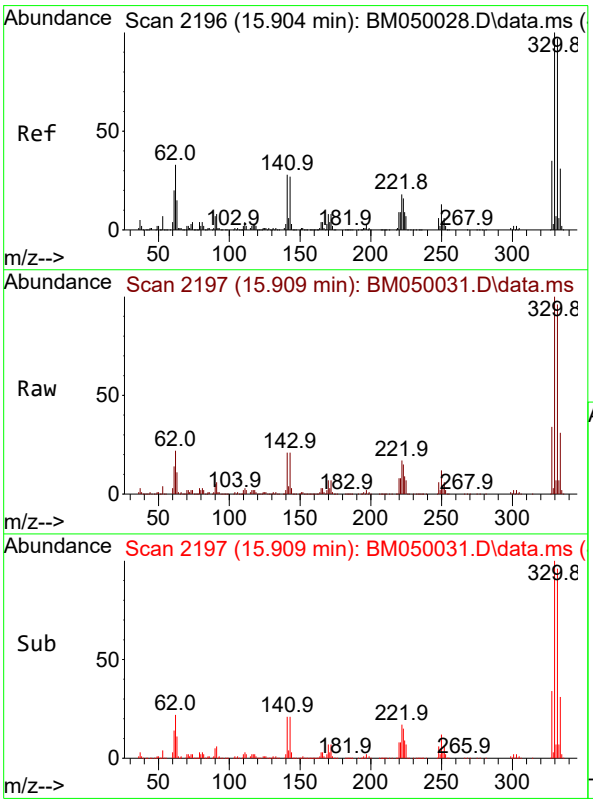
#41
Hexachlorocyclopentadiene
Concen: 91.336 ng
RT: 12.580 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:237 Resp: 1185418

Ion	Ratio	Lower	Upper
237	100		
235	61.8	42.9	82.9
272	13.1	0.0	32.9

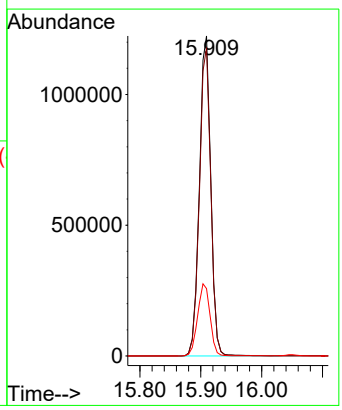


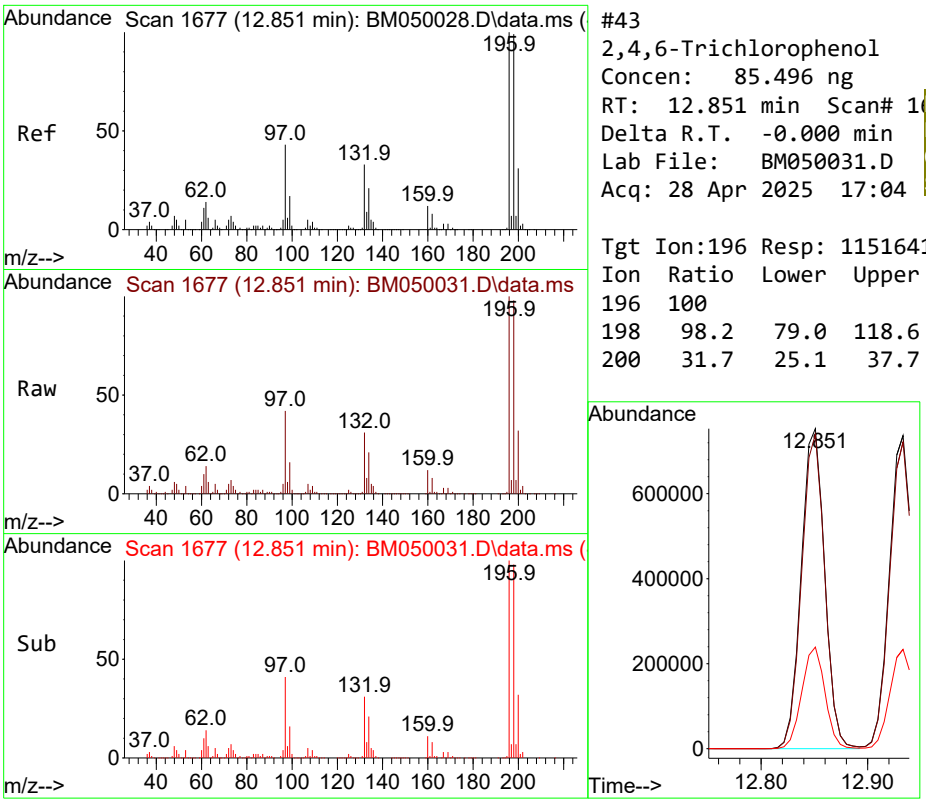


#42
2,4,6-Tribromophenol
Concen: 174.847 ng
RT: 15.909 min Scan# 2197
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:330 Resp: 1586083

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.3	115.9
141	24.7	22.5	33.7



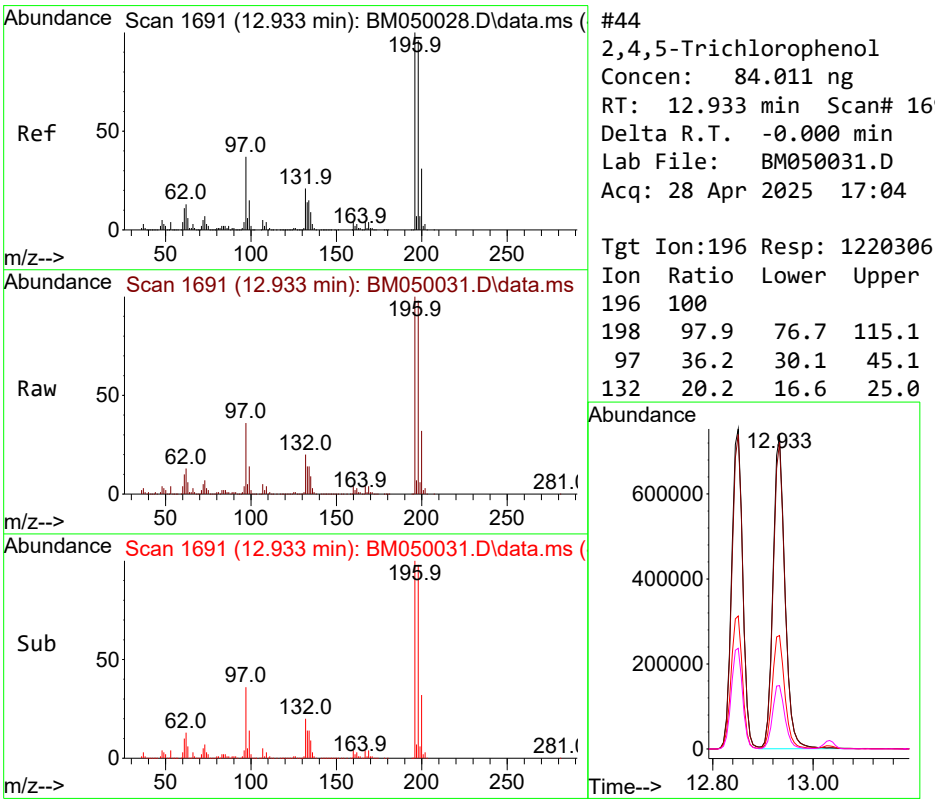


#43
2,4,6-Trichlorophenol
Concen: 85.496 ng
RT: 12.851 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:196 Resp: 1151641

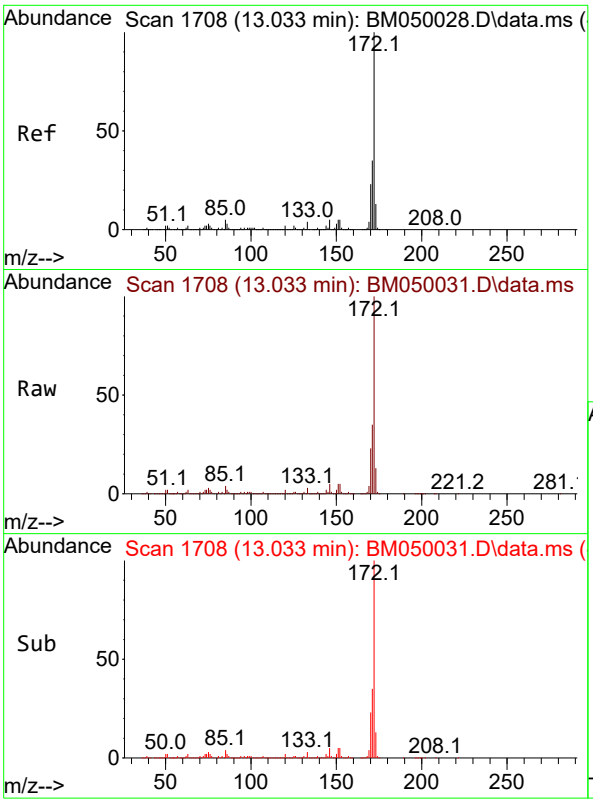
Ion	Ratio	Lower	Upper
196	100		
198	98.2	79.0	118.6
200	31.7	25.1	37.7



#44
2,4,5-Trichlorophenol
Concen: 84.011 ng
RT: 12.933 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:196 Resp: 1220306

Ion	Ratio	Lower	Upper
196	100		
198	97.9	76.7	115.1
97	36.2	30.1	45.1
132	20.2	16.6	25.0

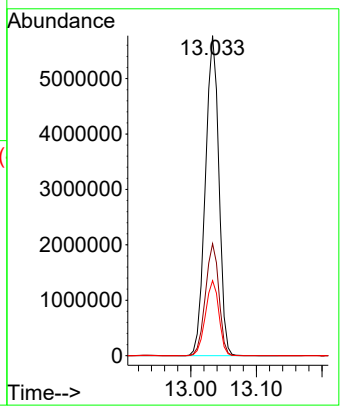


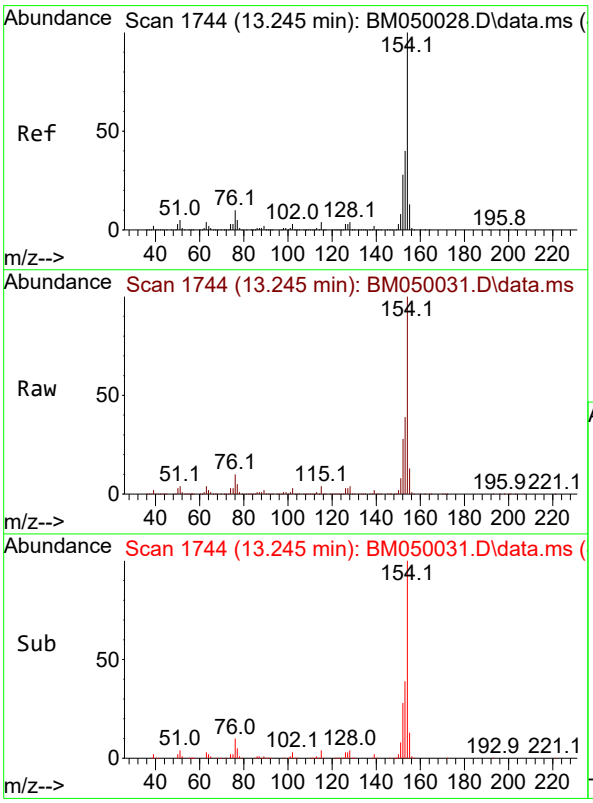
#45
2-Fluorobiphenyl
Concen: 159.736 ng
RT: 13.033 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:172 Resp: 8283812

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.8	41.6
170	23.5	18.6	28.0

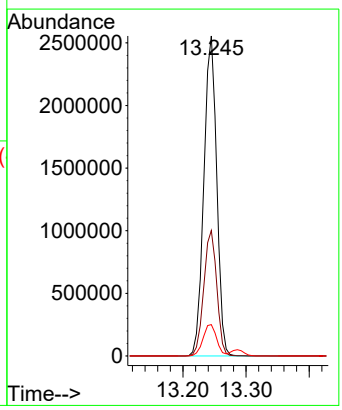


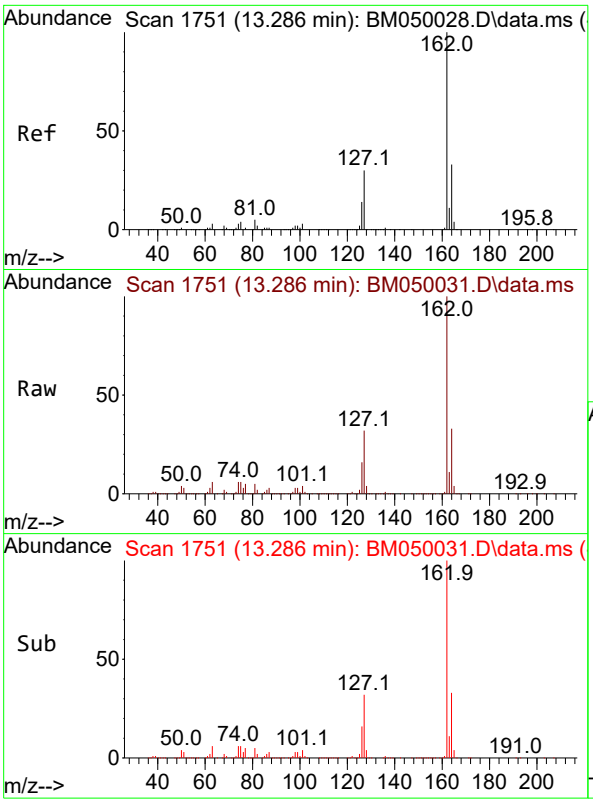


#46
1,1'-Biphenyl
Concen: 79.246 ng
RT: 13.245 min Scan# 1744
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:154 Resp: 3613893

Ion	Ratio	Lower	Upper
154	100		
153	39.2	20.0	60.0
76	9.8	0.0	30.3



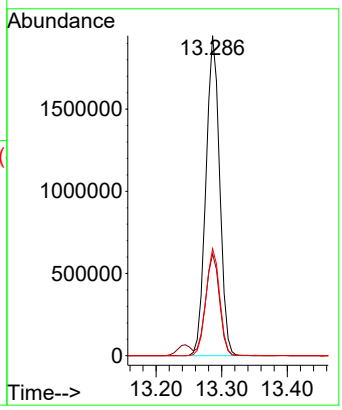


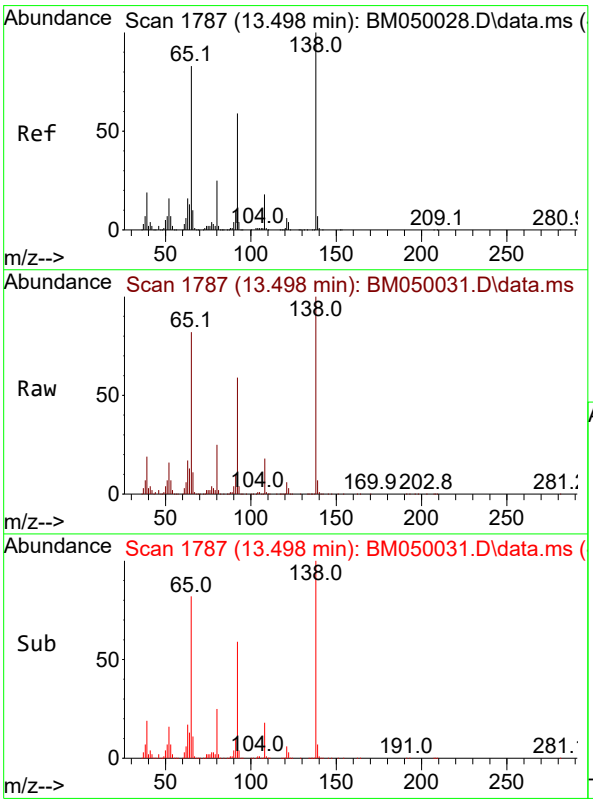
#47
2-Chloronaphthalene
Concen: 78.700 ng
RT: 13.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 2842514

Ion	Ratio	Lower	Upper
162	100		
127	31.8	25.9	38.9
164	33.4	26.6	40.0

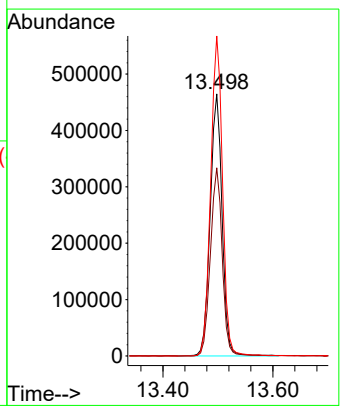


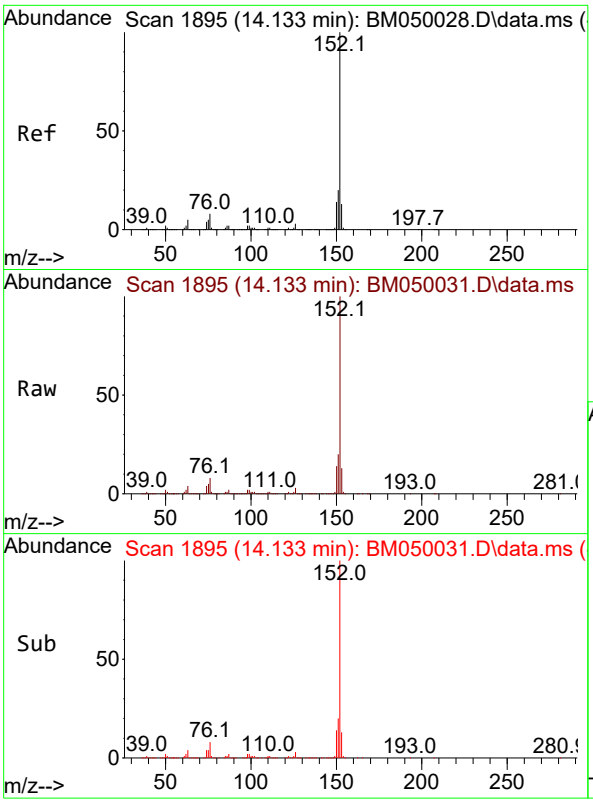


#48
2-Nitroaniline
Concen: 82.725 ng
RT: 13.498 min Scan# 1787
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion: 65 Resp: 701256

Ion	Ratio	Lower	Upper
65	100		
92	71.8	57.1	85.7
138	122.1	97.0	145.4



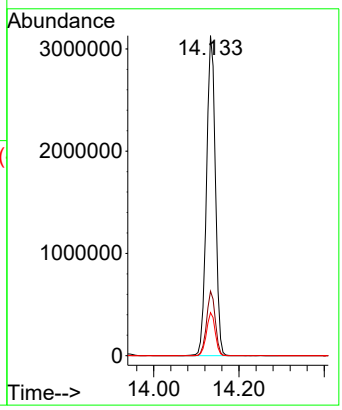


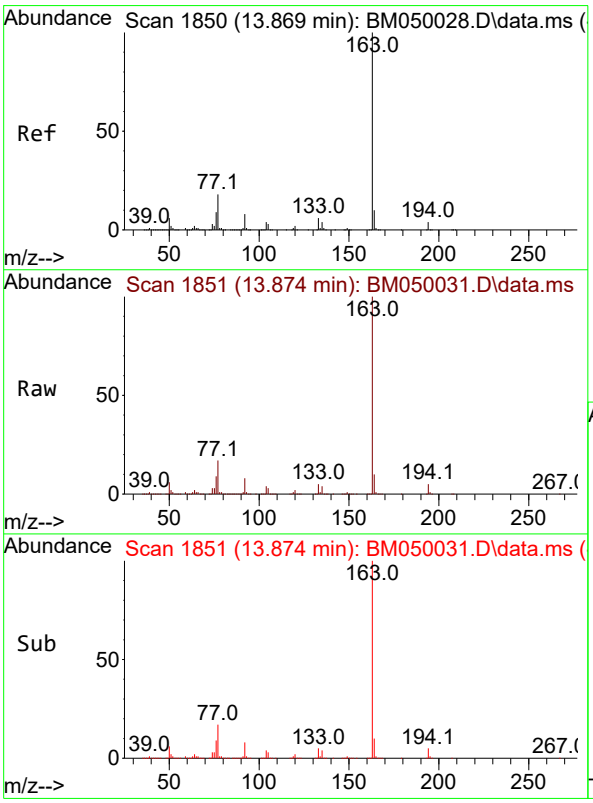
#49
Acenaphthylene
Concen: 79.492 ng
RT: 14.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 4526874

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.8	23.8
153	13.4	10.6	15.8

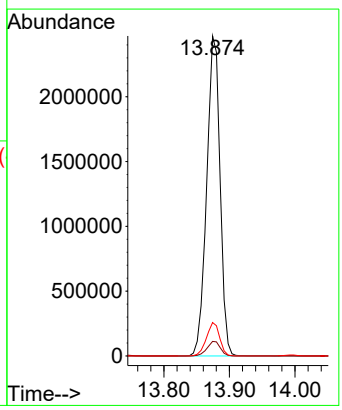


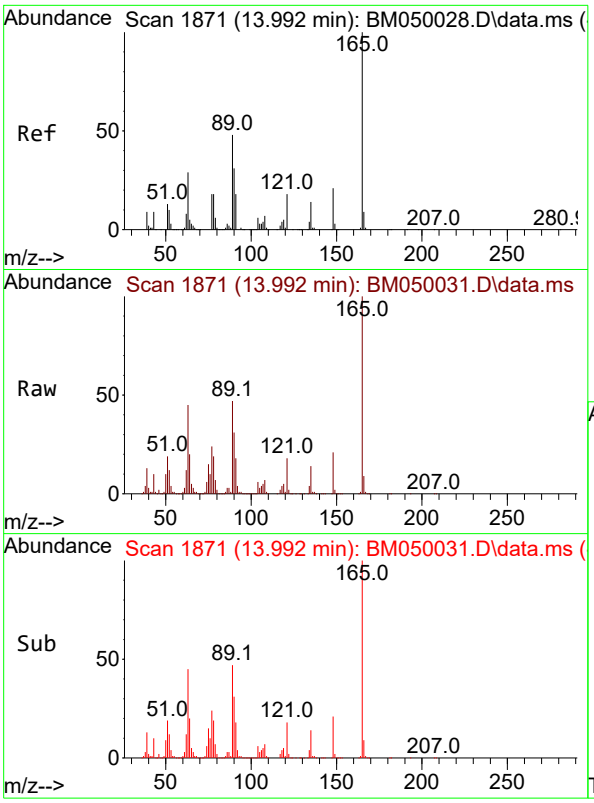


#50
Dimethylphthalate
Concen: 78.228 ng
RT: 13.874 min Scan# 1851
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:163 Resp: 3507333

Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.4	5.2
164	10.4	8.2	12.2



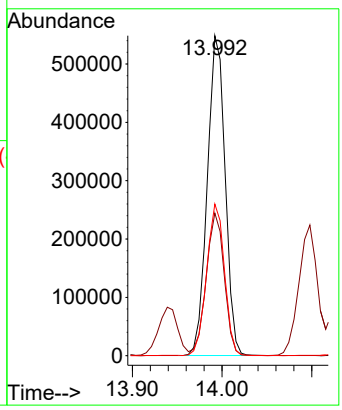


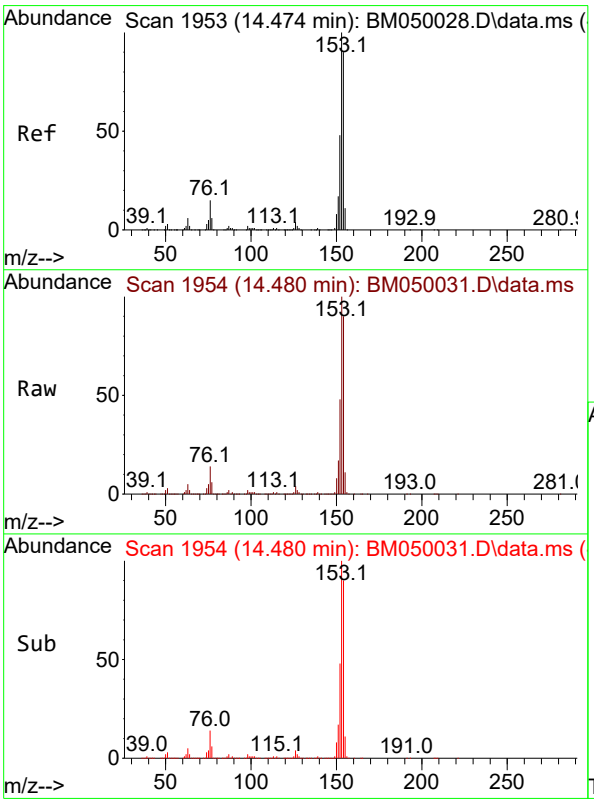
#51
2,6-Dinitrotoluene
Concen: 81.689 ng
RT: 13.992 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 758296

Ion	Ratio	Lower	Upper
165	100		
63	44.6	35.1	52.7
89	47.4	38.4	57.6

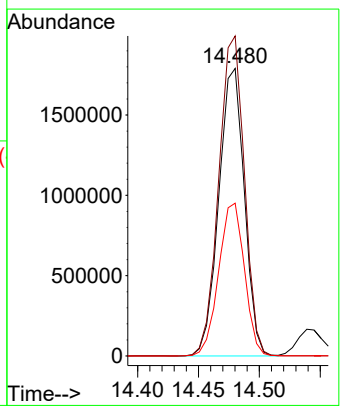


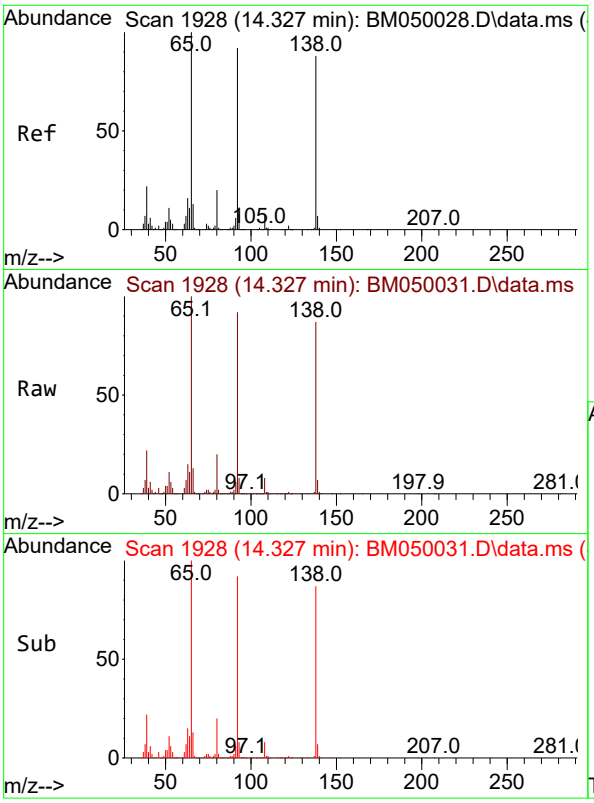


#52
Acenaphthene
Concen: 79.452 ng
RT: 14.480 min Scan# 1954
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:154 Resp: 2618967

Ion	Ratio	Lower	Upper
154	100		
153	111.3	89.0	133.4
152	53.1	43.0	64.6



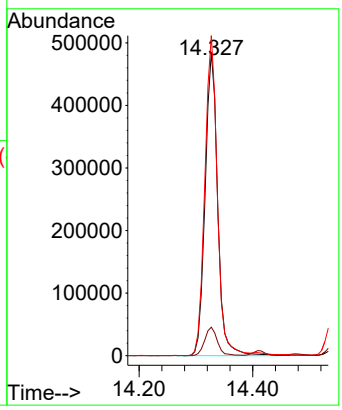


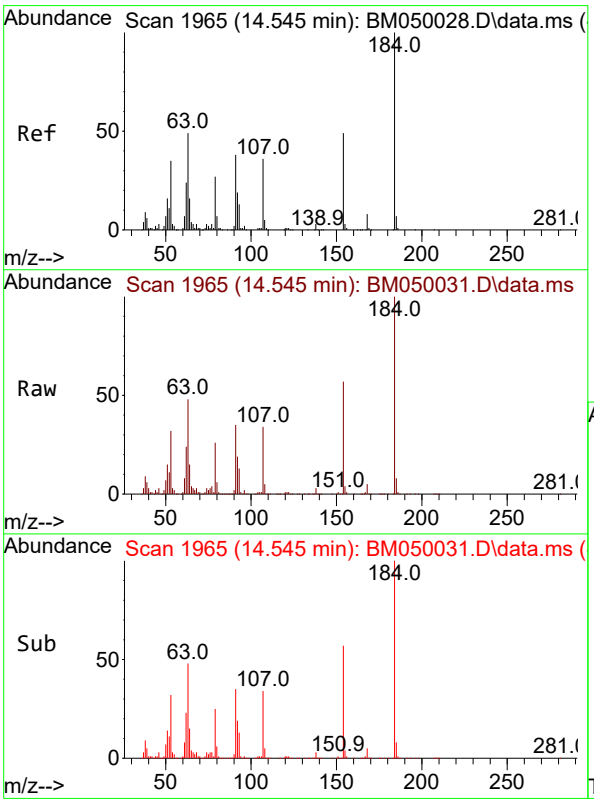
#53
3-Nitroaniline
Concen: 83.521 ng
RT: 14.327 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 740202

Ion	Ratio	Lower	Upper
138	100		
108	9.4	7.4	11.2
92	105.4	84.0	126.0

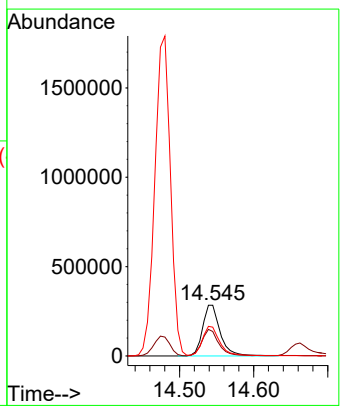


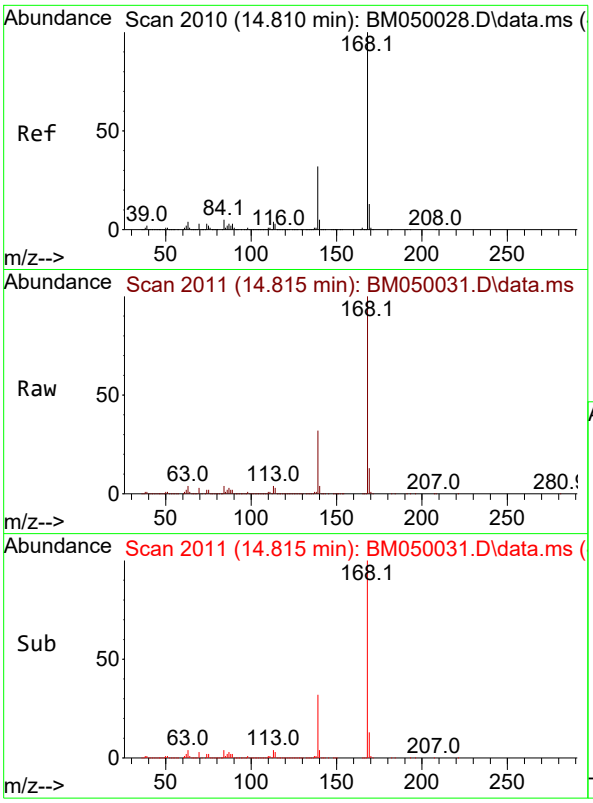


#54
2,4-Dinitrophenol
Concen: 79.096 ng
RT: 14.545 min Scan# 1965
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:184 Resp: 469472

Ion	Ratio	Lower	Upper
184	100		
63	48.1	39.8	59.6
154	57.0	46.1	69.1



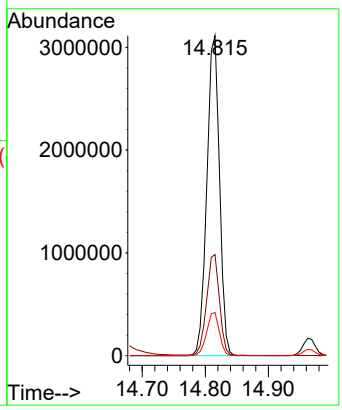


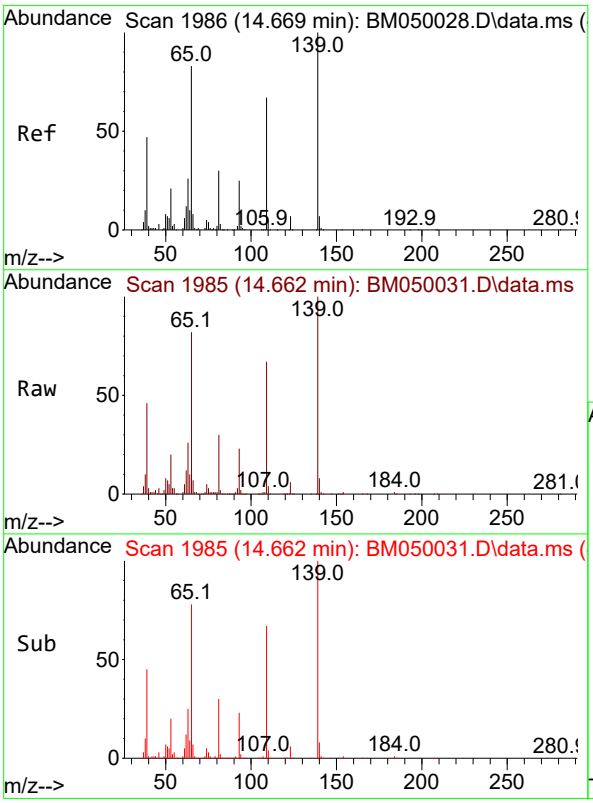
#55
Dibenzofuran
Concen: 78.875 ng
RT: 14.815 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:168 Resp: 4325783

Ion	Ratio	Lower	Upper
168	100		
139	31.6	26.1	39.1
169	13.5	10.8	16.2

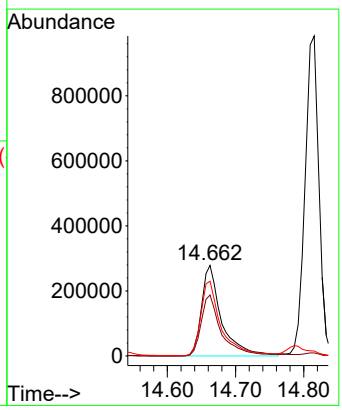


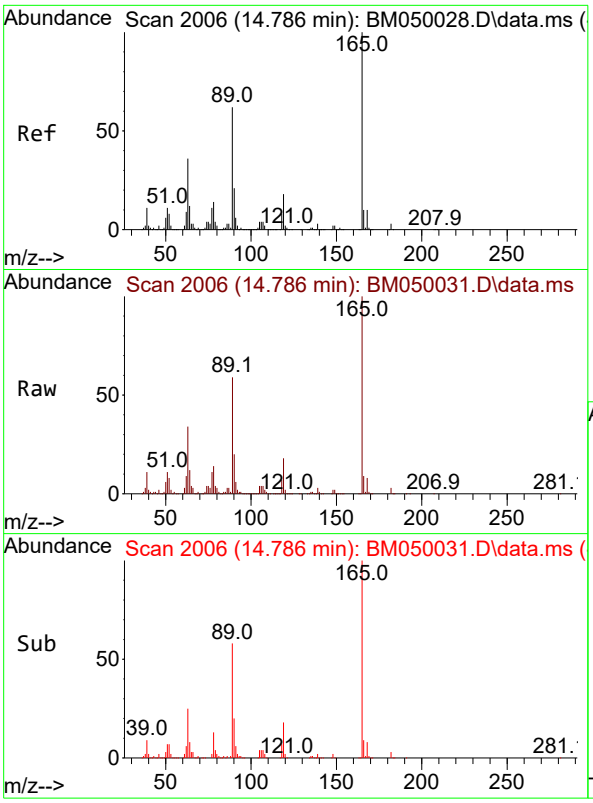


#56
4-Nitrophenol
Concen: 78.710 ng
RT: 14.662 min Scan# 1985
Delta R.T. -0.007 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:139 Resp: 566943

Ion	Ratio	Lower	Upper
139	100		
109	67.2	47.0	87.0
65	82.5	64.3	104.3



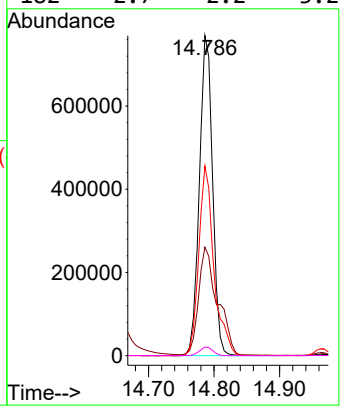


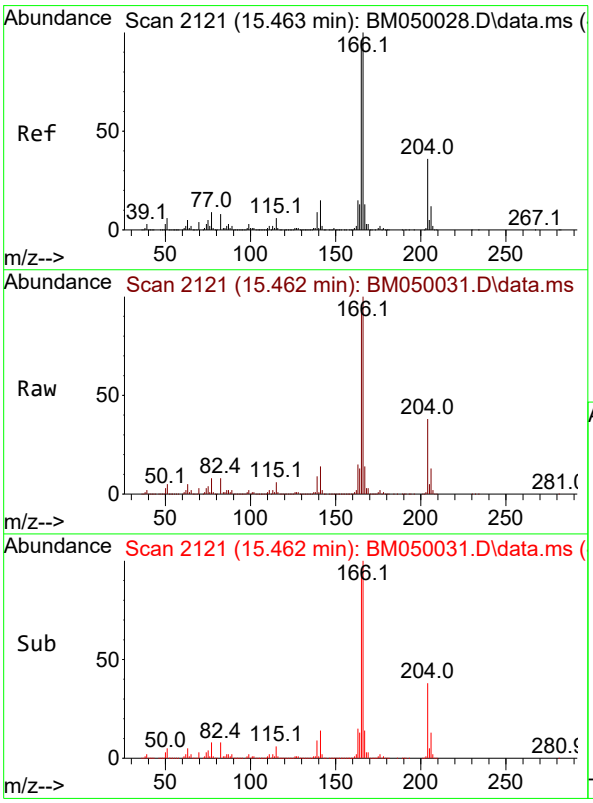
#57
2,4-Dinitrotoluene
Concen: 84.207 ng
RT: 14.786 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 1080118

Ion	Ratio	Lower	Upper
165	100		
63	33.9	29.0	43.6
89	59.2	49.4	74.2
182	2.7	2.2	3.2

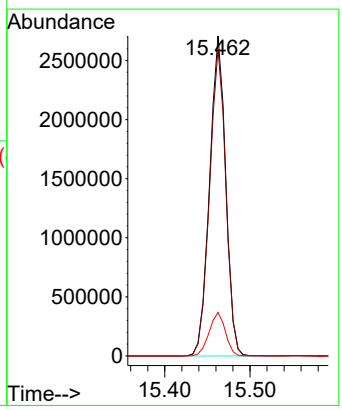


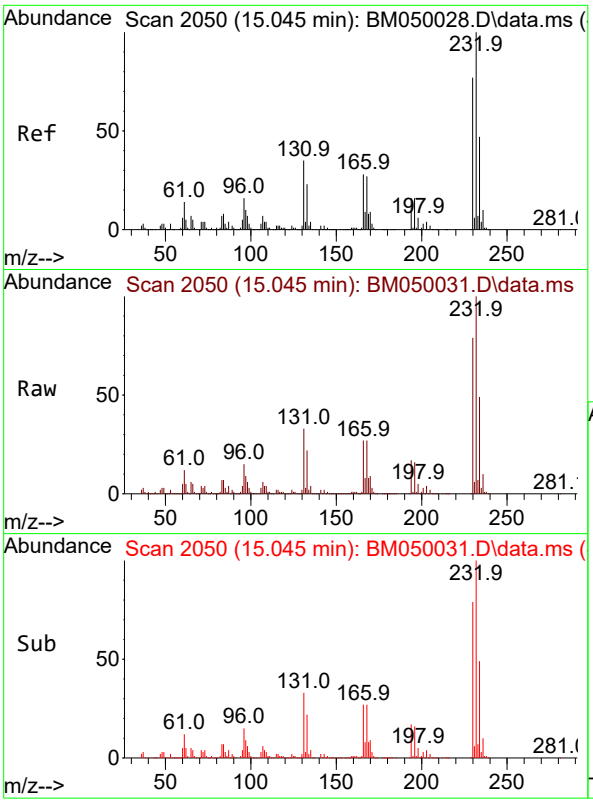


#58
Fluorene
Concen: 79.426 ng
RT: 15.462 min Scan# 2121
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:166 Resp: 3565506

Ion	Ratio	Lower	Upper
166	100		
165	96.0	76.6	115.0
167	13.6	10.6	16.0



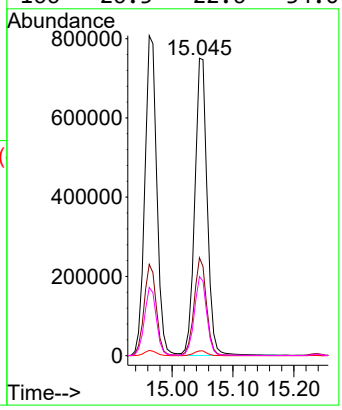


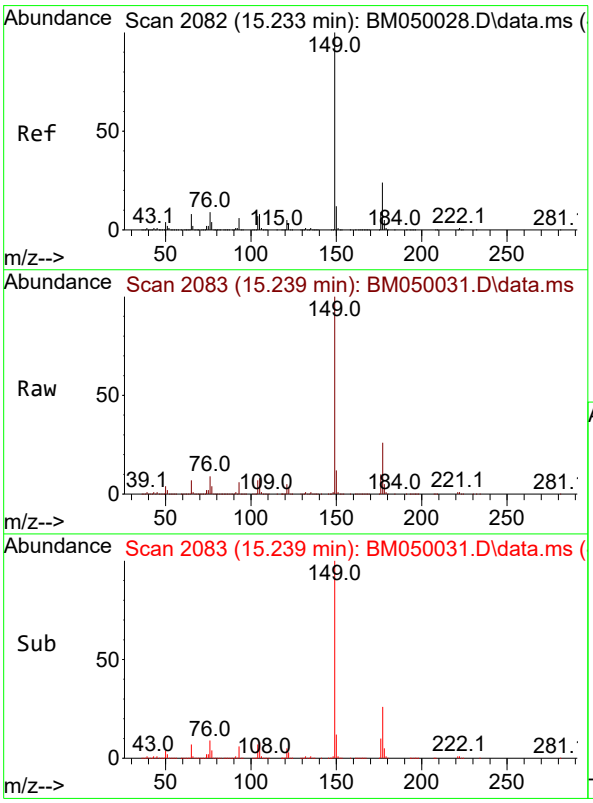
#59
2,3,4,6-Tetrachlorophenol
Concen: 84.123 ng
RT: 15.045 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:232 Resp: 1057707

Ion	Ratio	Lower	Upper
232	100		
131	32.8	28.2	42.4
130	1.7	1.5	2.3
166	26.5	22.6	34.0

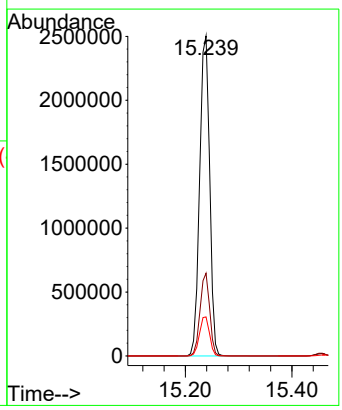


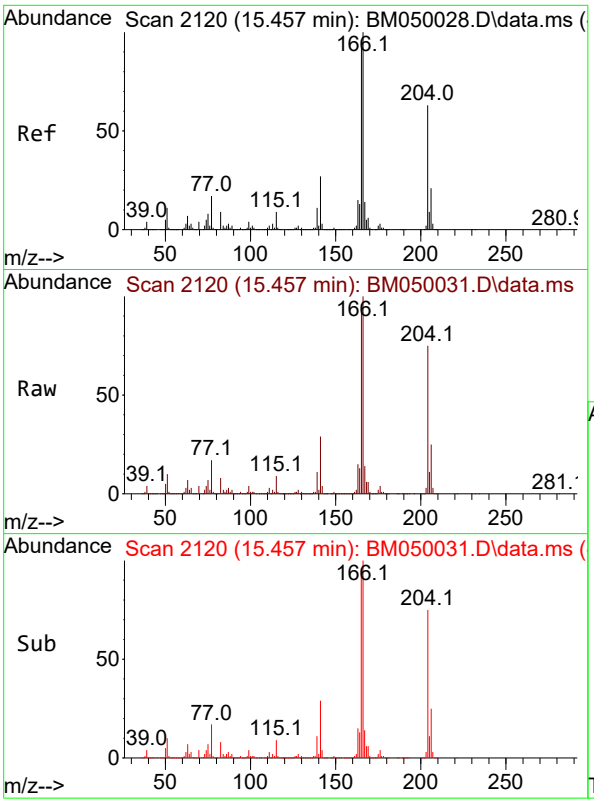


#60
Diethylphthalate
Concen: 77.118 ng
RT: 15.239 min Scan# 2083
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:149 Resp: 3257954

Ion	Ratio	Lower	Upper
149	100		
177	25.8	19.1	28.7
150	12.2	9.6	14.4



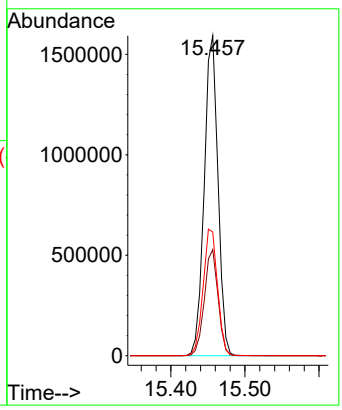


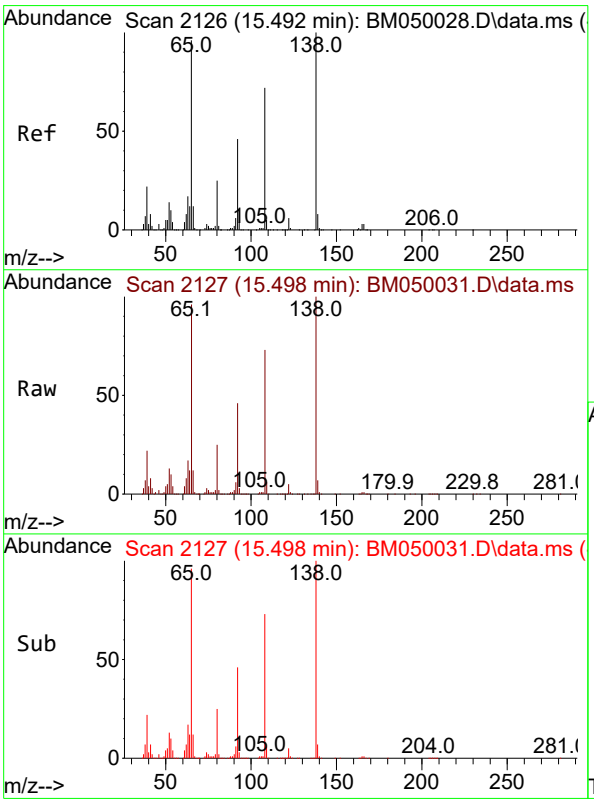
#61
4-Chlorophenyl-phenylether
Concen: 83.186 ng
RT: 15.457 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:204 Resp: 2051105

Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.3	39.5
141	38.7	34.0	51.0

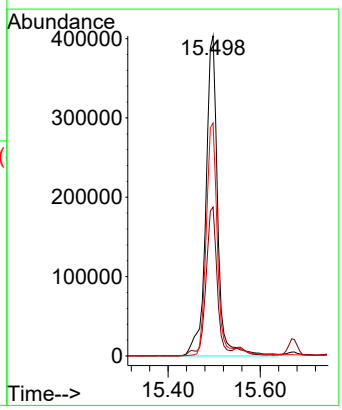


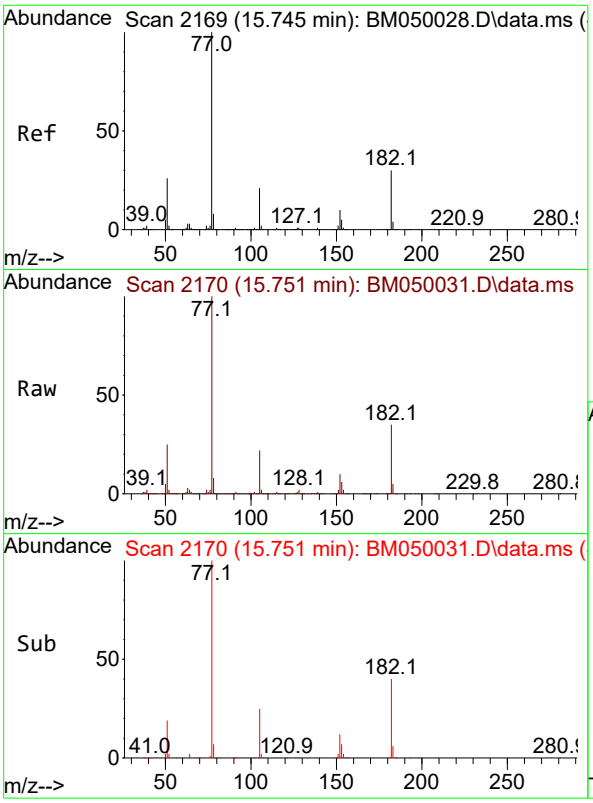


#62
4-Nitroaniline
Concen: 84.678 ng
RT: 15.498 min Scan# 2127
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:138 Resp: 724549

Ion	Ratio	Lower	Upper
138	100		
92	46.5	25.9	65.9
108	72.8	52.4	92.4



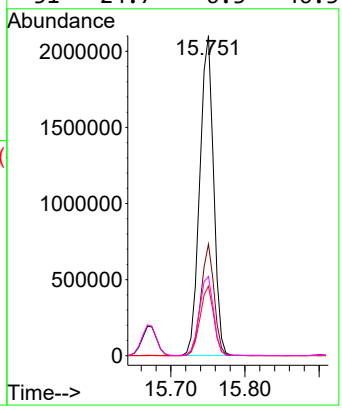


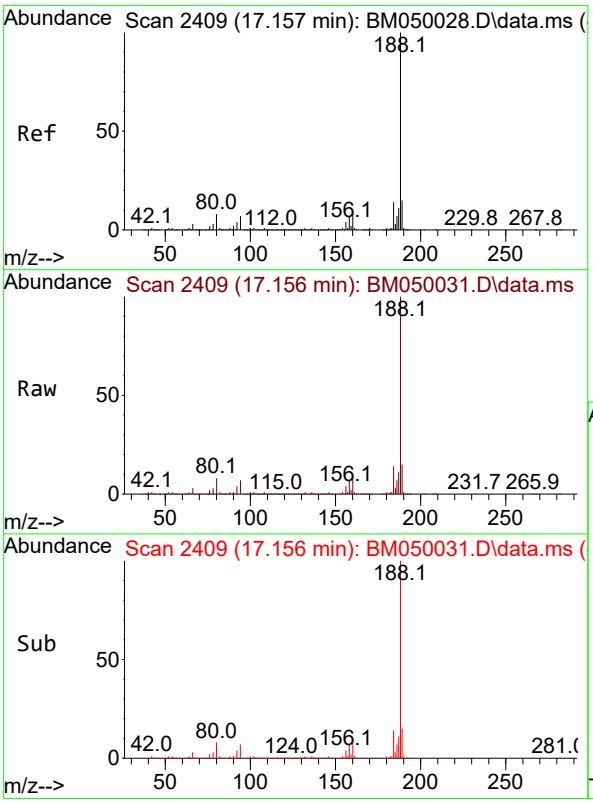
#63
Azobenzene
Concen: 76.914 ng
RT: 15.751 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 2723186

Ion	Ratio	Lower	Upper
77	100		
182	34.9	10.5	50.5
105	21.7	1.1	41.1
51	24.7	6.3	46.3

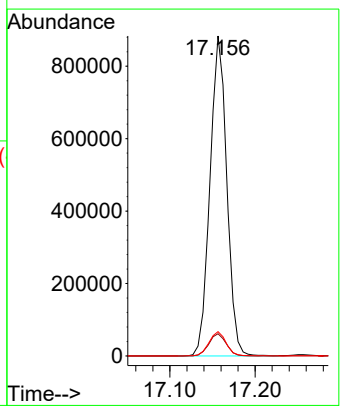


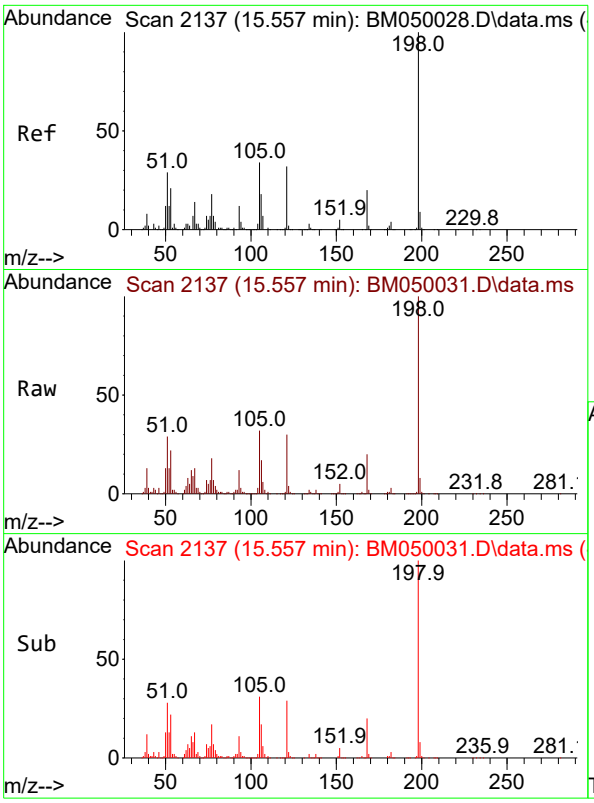


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.156 min Scan# 2409
Delta R.T. -0.001 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:188 Resp: 1212251

Ion	Ratio	Lower	Upper
188	100		
94	7.0	5.7	8.5
80	7.6	6.2	9.4



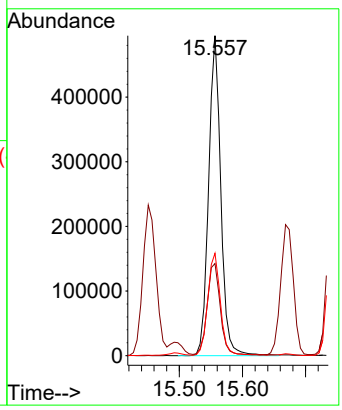


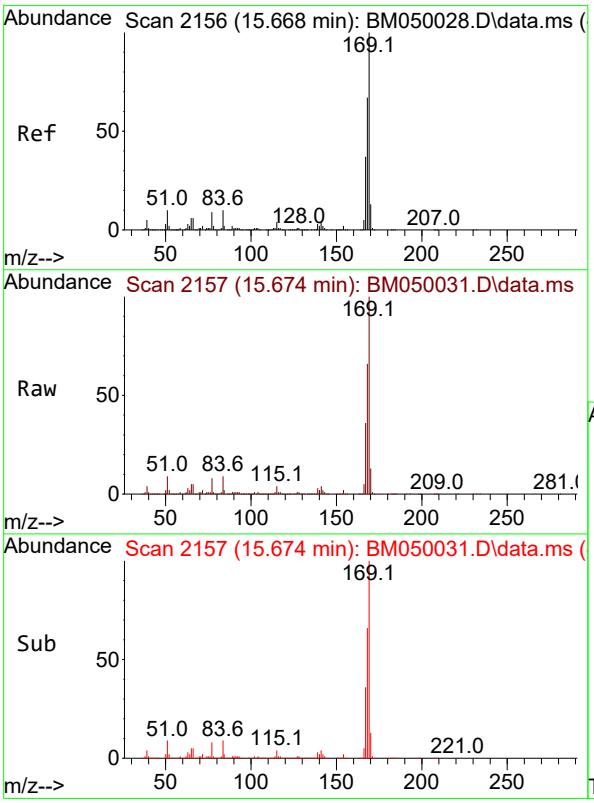
#65
4,6-Dinitro-2-methylphenol
Concen: 87.741 ng
RT: 15.557 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:198 Resp: 665798

Ion	Ratio	Lower	Upper
198	100		
51	28.8	10.4	50.4
105	32.0	14.6	54.6

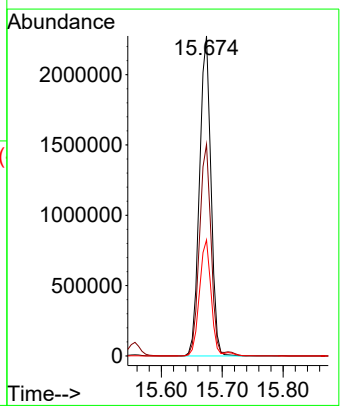


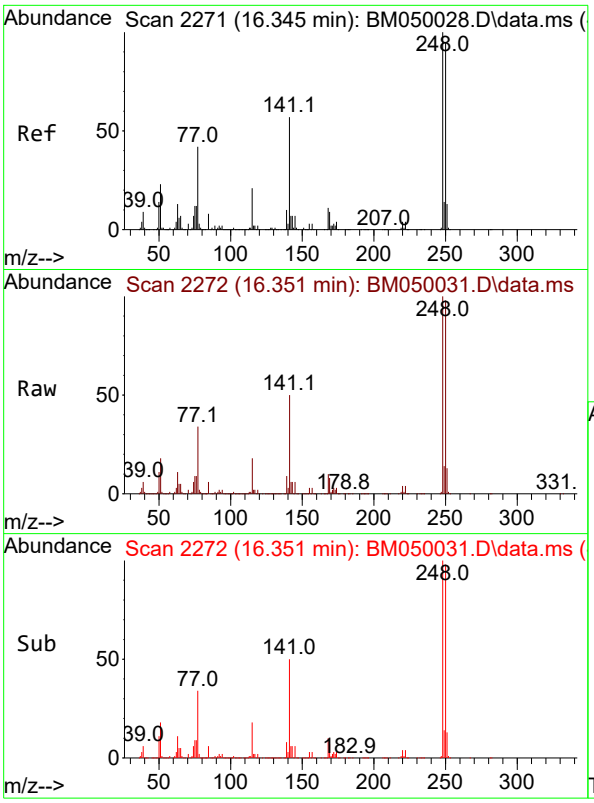


#66
n-Nitrosodiphenylamine
Concen: 79.443 ng
RT: 15.674 min Scan# 2157
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:169 Resp: 2957293

Ion	Ratio	Lower	Upper
169	100		
168	66.1	53.4	80.2
167	36.3	29.4	44.0



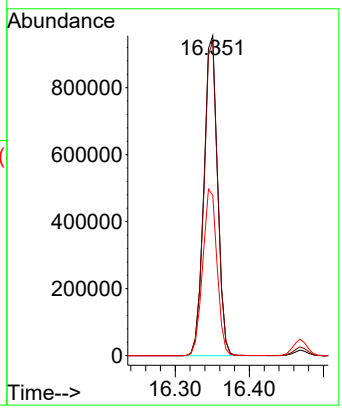


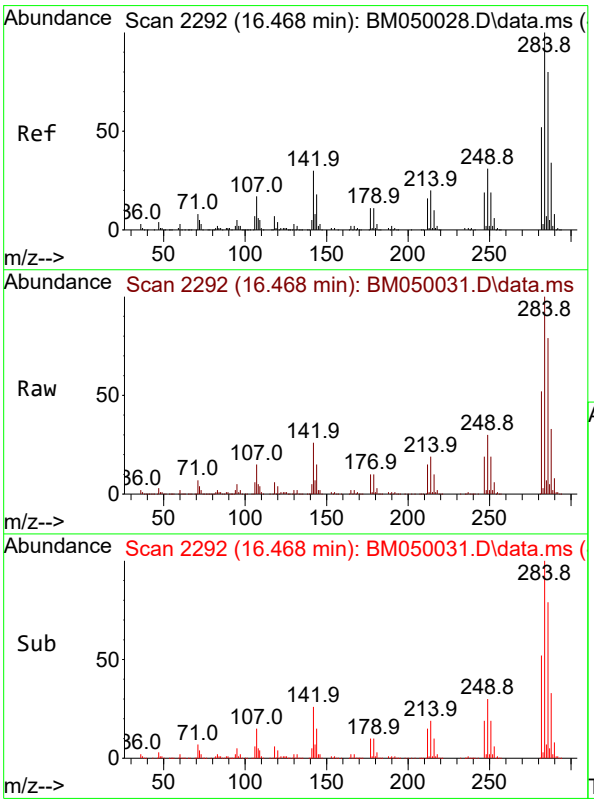
#67
4-Bromophenyl-phenylether
Concen: 83.600 ng
RT: 16.351 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:248 Resp: 1225531

Ion	Ratio	Lower	Upper
248	100		
250	98.2	76.2	114.2
141	50.1	45.9	68.9

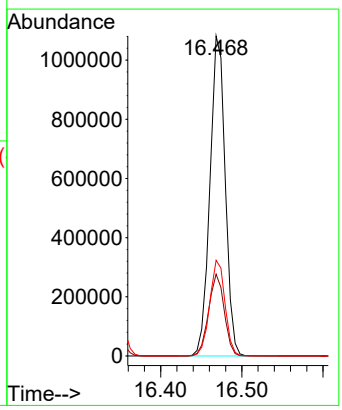


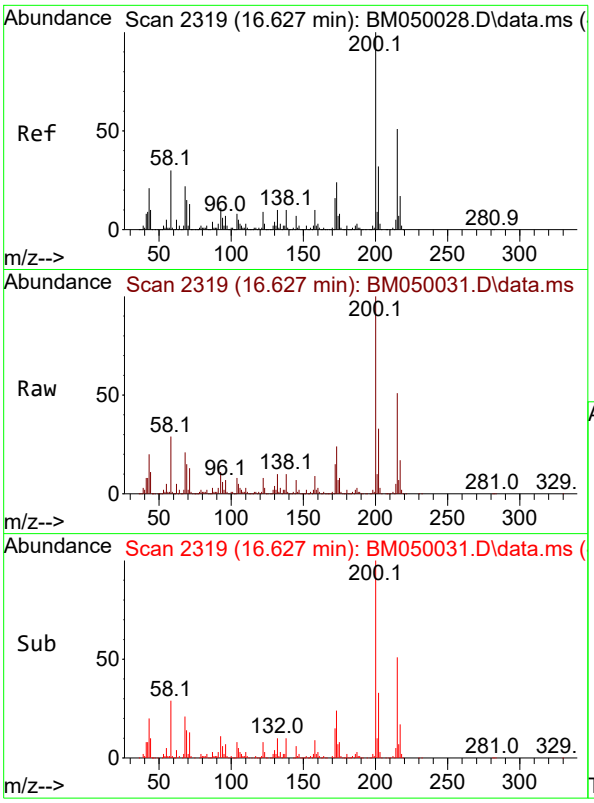


#68
Hexachlorobenzene
Concen: 83.606 ng
RT: 16.468 min Scan# 2292
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:284 Resp: 1412768

Ion	Ratio	Lower	Upper
284	100		
142	25.5	23.9	35.9
249	29.9	24.5	36.7



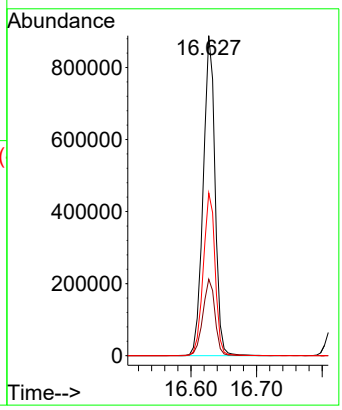


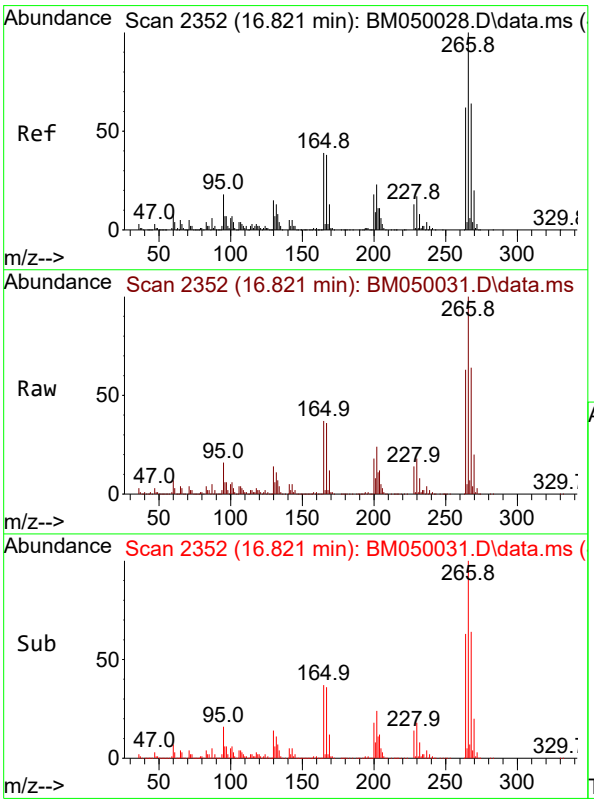
#69
Atrazine
Concen: 83.174 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:200 Resp: 1116818

Ion	Ratio	Lower	Upper
200	100		
173	23.9	4.3	44.3
215	50.8	30.6	70.6

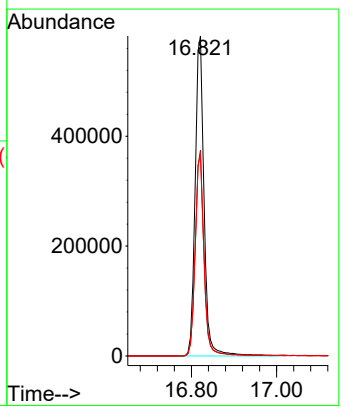


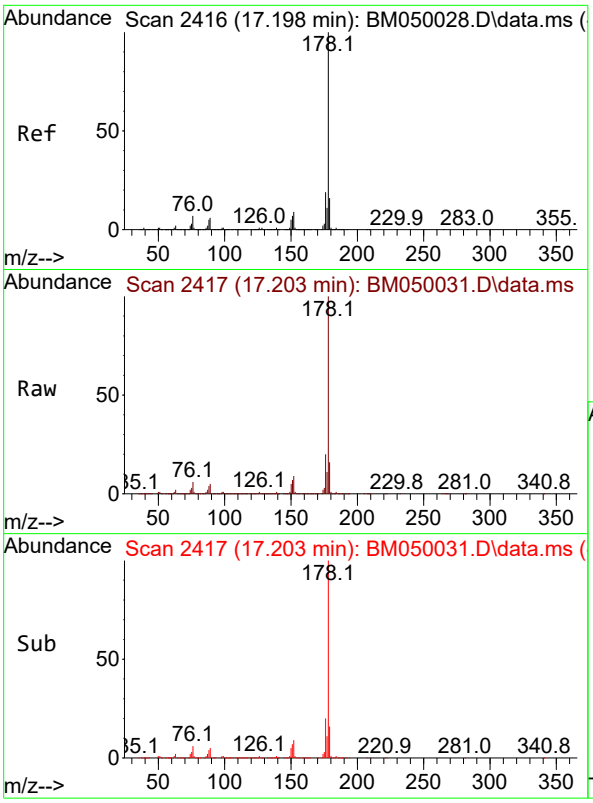


#70
Pentachlorophenol
Concen: 88.648 ng
RT: 16.821 min Scan# 2352
Delta R.T. 0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:266 Resp: 843195

Ion	Ratio	Lower	Upper
266	100		
268	64.2	51.2	76.8
264	63.1	49.6	74.4



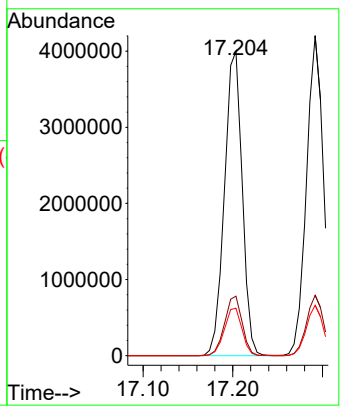


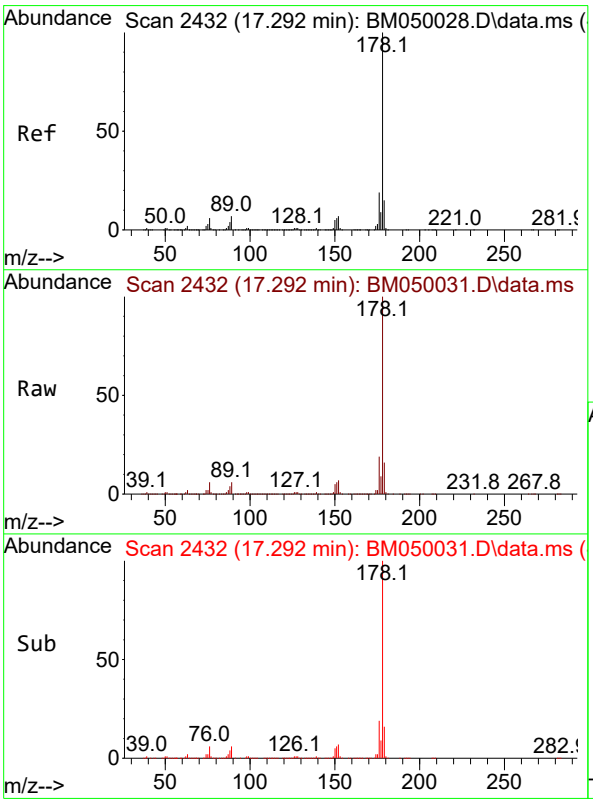
#71
Phenanthrene
Concen: 80.266 ng
RT: 17.203 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 5487968

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.3	22.9
179	15.6	12.4	18.6

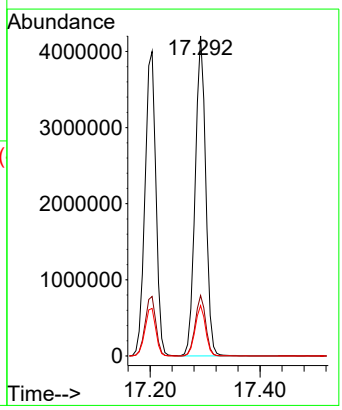


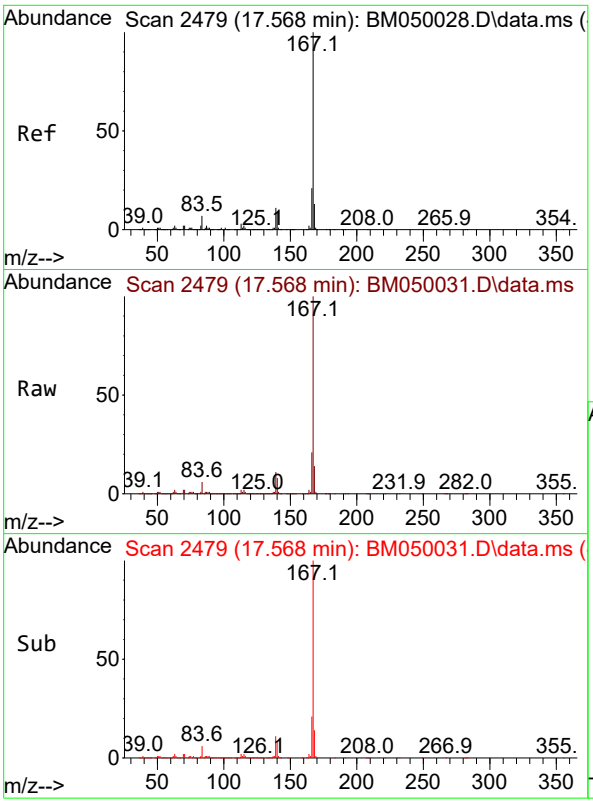


#72
Anthracene
Concen: 80.893 ng
RT: 17.292 min Scan# 2432
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:178 Resp: 5597195

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	15.8	12.2	18.4



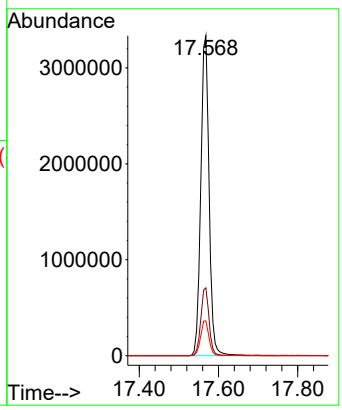


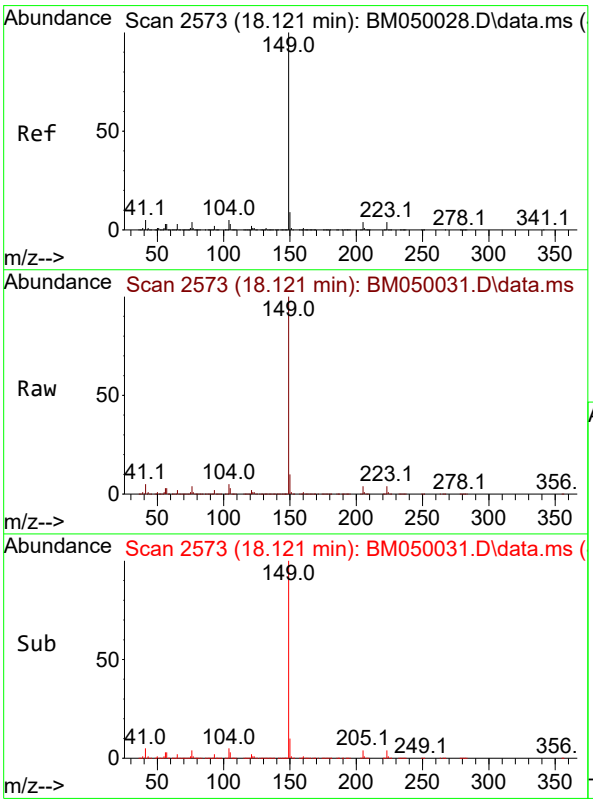
#73
Carbazole
Concen: 80.705 ng
RT: 17.568 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:167 Resp: 4845637

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.2	25.8
139	10.8	9.0	13.6

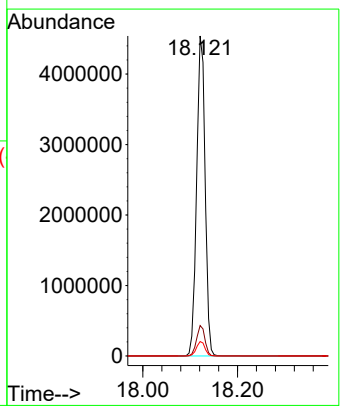


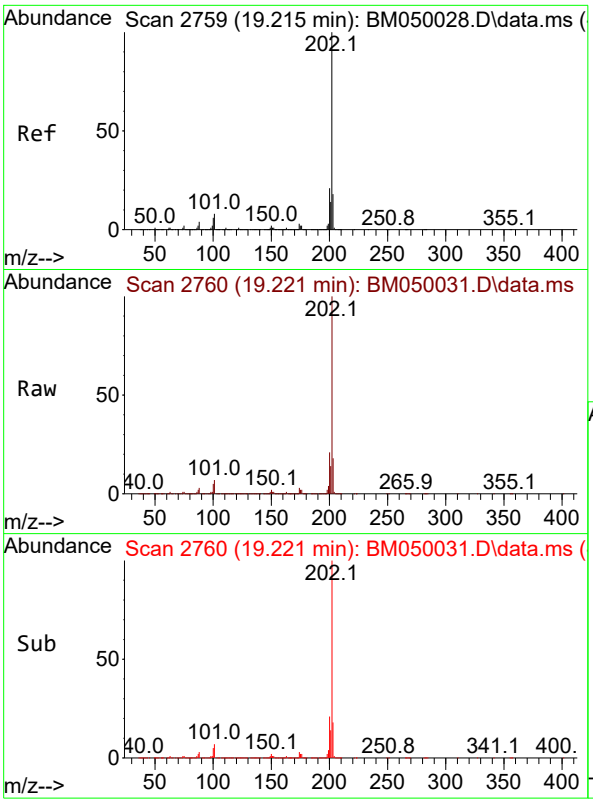


#74
Di-n-butylphthalate
Concen: 79.007 ng
RT: 18.121 min Scan# 2573
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:149 Resp: 5649166

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.3	10.9
104	4.5	3.8	5.6



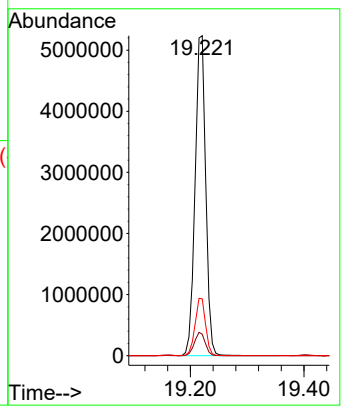


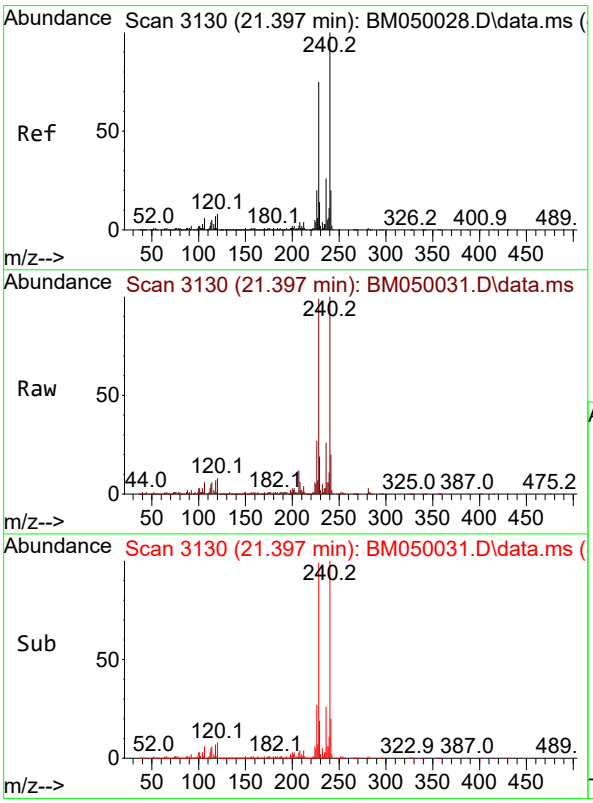
#75
Fluoranthene
Concen: 85.234 ng
RT: 19.221 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:202 Resp: 6841999

Ion	Ratio	Lower	Upper
202	100		
101	6.7	0.0	28.0
203	17.7	0.0	37.7

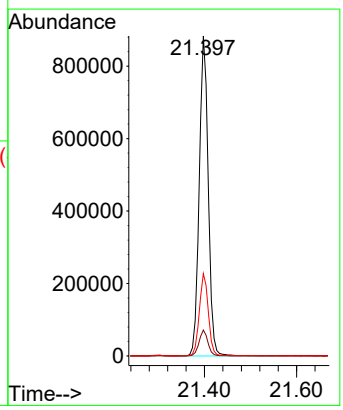


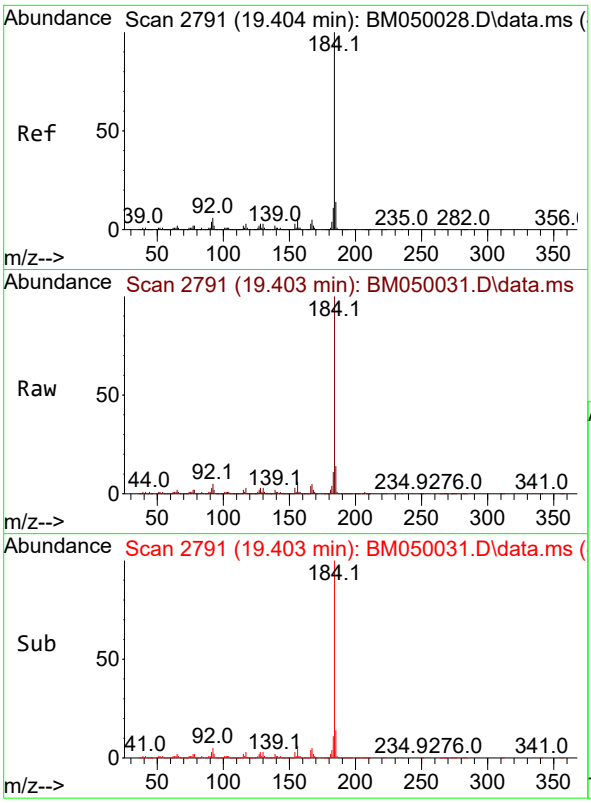


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3130
Delta R.T. 0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:240 Resp: 1197780

Ion	Ratio	Lower	Upper
240	100		
120	8.1	6.5	9.7
236	25.8	20.9	31.3



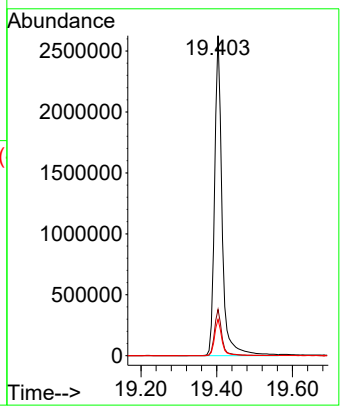


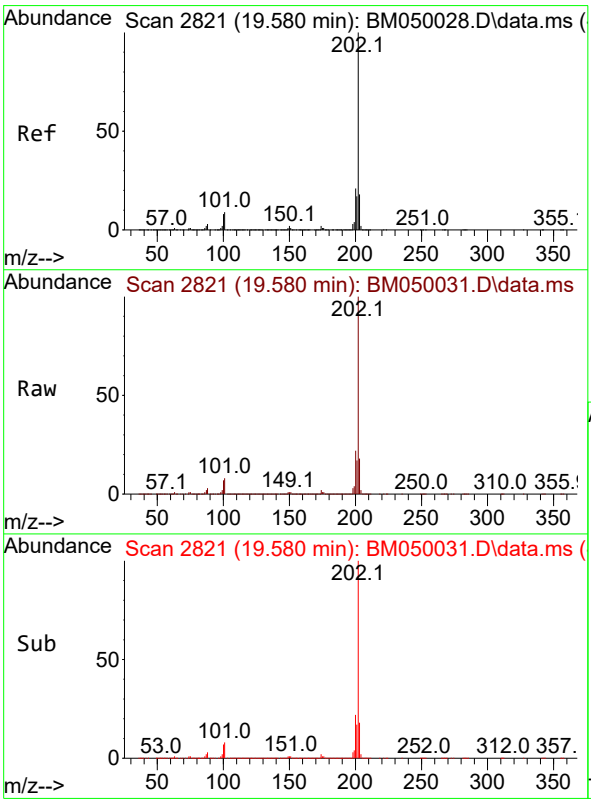
#77
Benzidine
Concen: 84.575 ng
RT: 19.403 min Scan# 2
Delta R.T. -0.001 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:184 Resp: 3598340

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.5	17.3
183	11.3	8.9	13.3

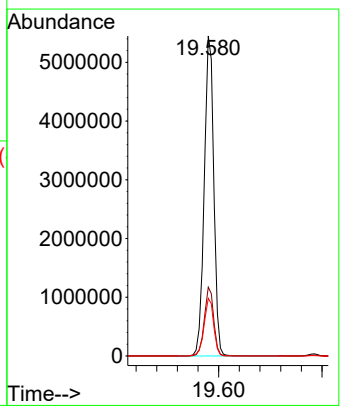


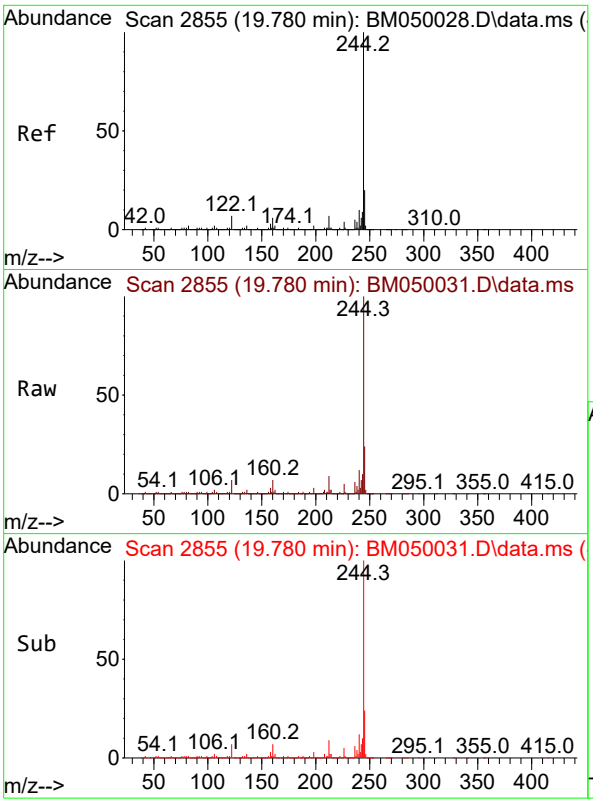


#78
Pyrene
Concen: 82.738 ng
RT: 19.580 min Scan# 2821
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:202 Resp: 6959279

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.7	25.1
203	18.0	14.1	21.1



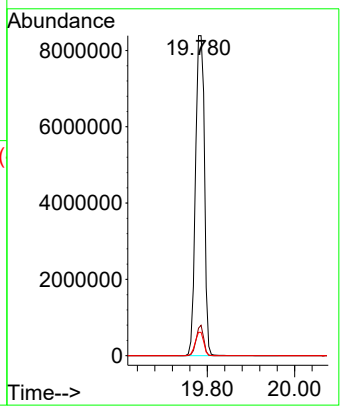


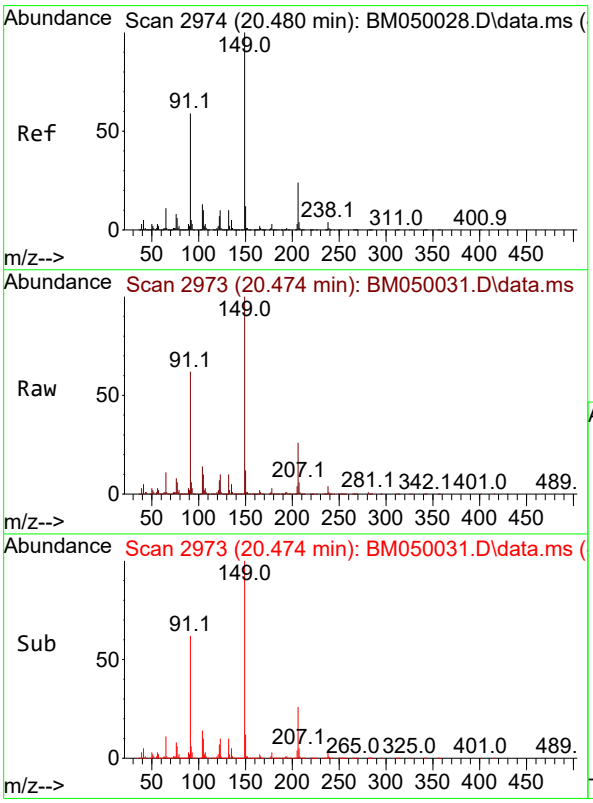
#79
Terphenyl-d14
Concen: 146.730 ng
RT: 19.780 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:244 Resp:11877110

Ion	Ratio	Lower	Upper
244	100		
212	8.6	5.6	8.4#
122	7.3	5.6	8.4

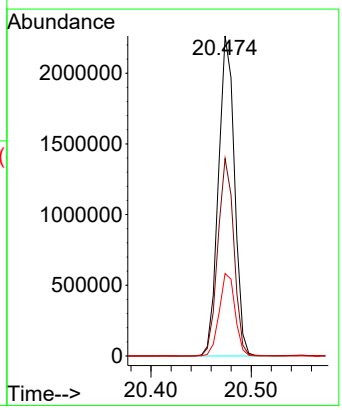


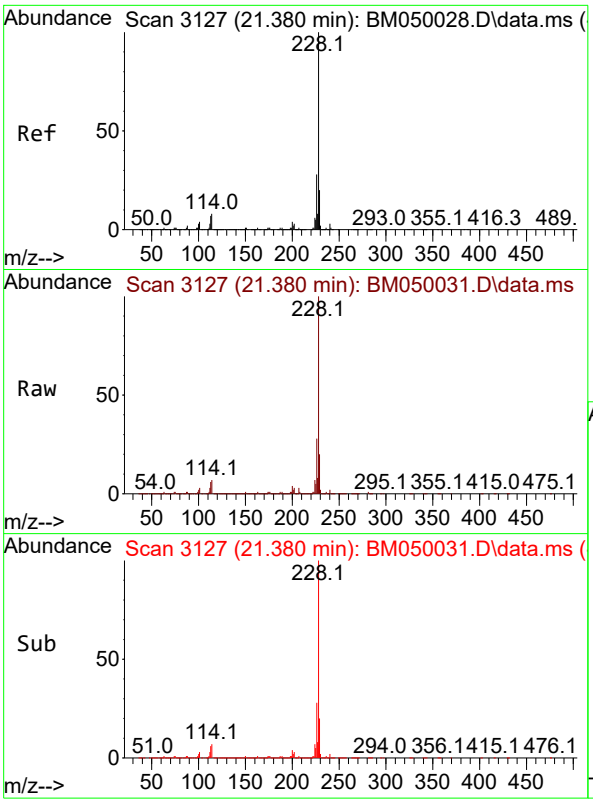


#80
Butylbenzylphthalate
Concen: 79.760 ng
RT: 20.474 min Scan# 2973
Delta R.T. -0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:149 Resp: 2512705

Ion	Ratio	Lower	Upper
149	100		
91	61.7	47.4	71.2
206	25.7	19.4	29.0



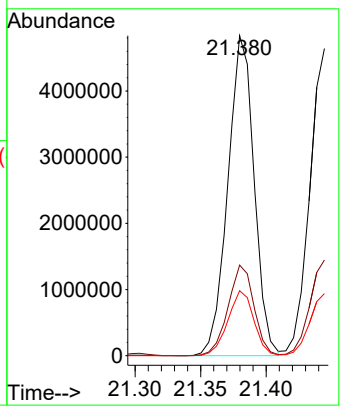


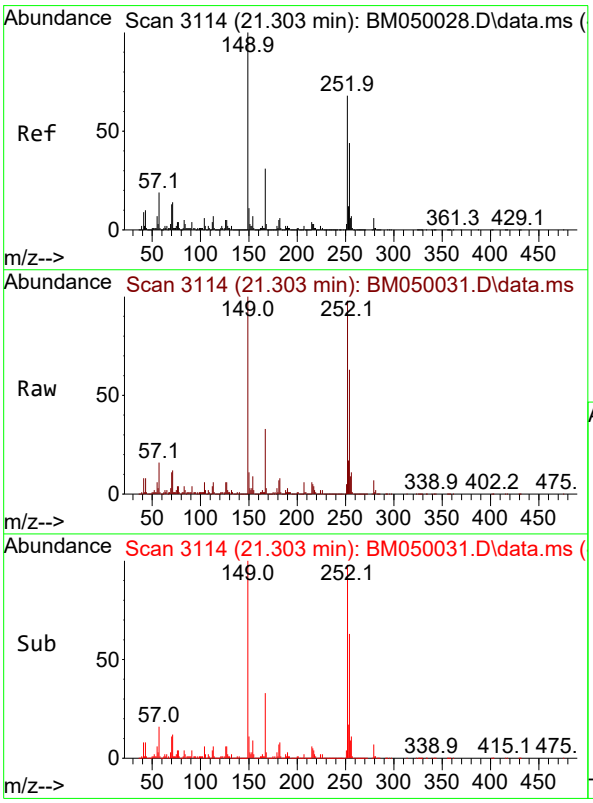
#81
Benzo(a)anthracene
Concen: 81.808 ng
RT: 21.380 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 6747718

Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.1	33.1
229	20.3	15.7	23.5

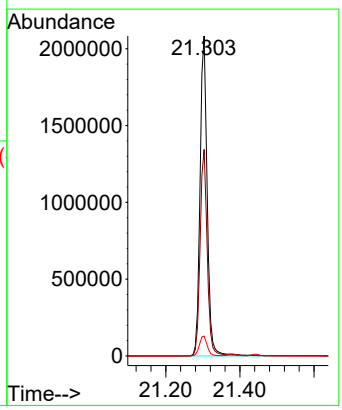


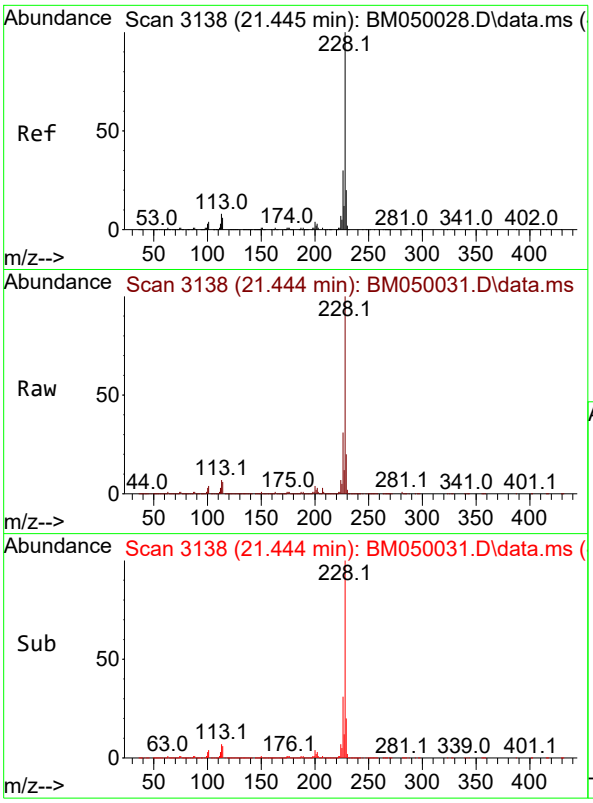


#82
3,3'-Dichlorobenzidine
Concen: 88.111 ng
RT: 21.303 min Scan# 3114
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:252 Resp: 2782107

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.8	77.6
126	6.2	6.0	9.0



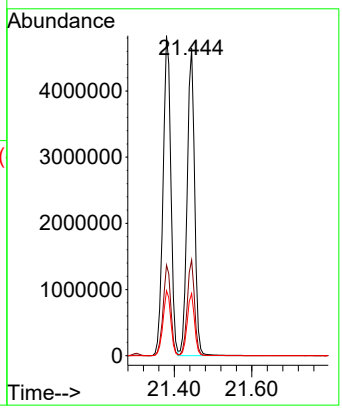


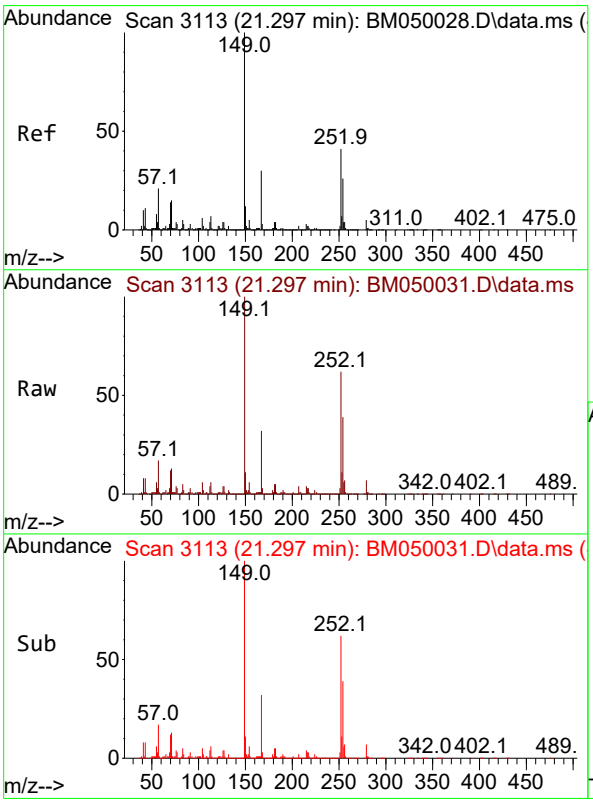
#83
Chrysene
Concen: 81.316 ng
RT: 21.444 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 6207632

Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.2	36.2
229	20.2	15.7	23.5

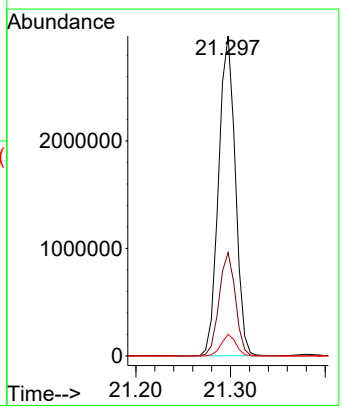


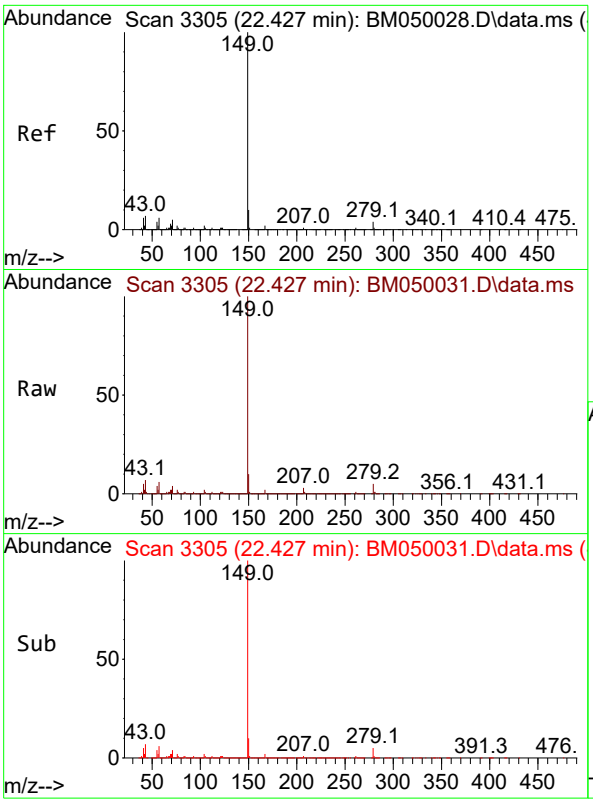


#84
Bis(2-ethylhexyl)phthalate
Concen: 77.905 ng
RT: 21.297 min Scan# 3113
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:149 Resp: 3665836

Ion	Ratio	Lower	Upper
149	100		
167	32.3	24.1	36.1
279	6.7	3.9	5.9#



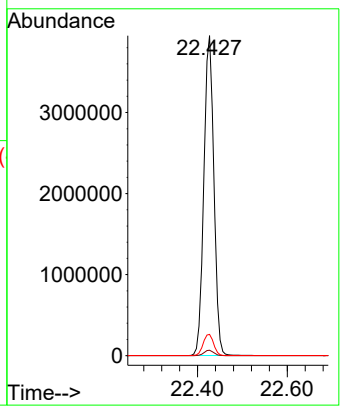


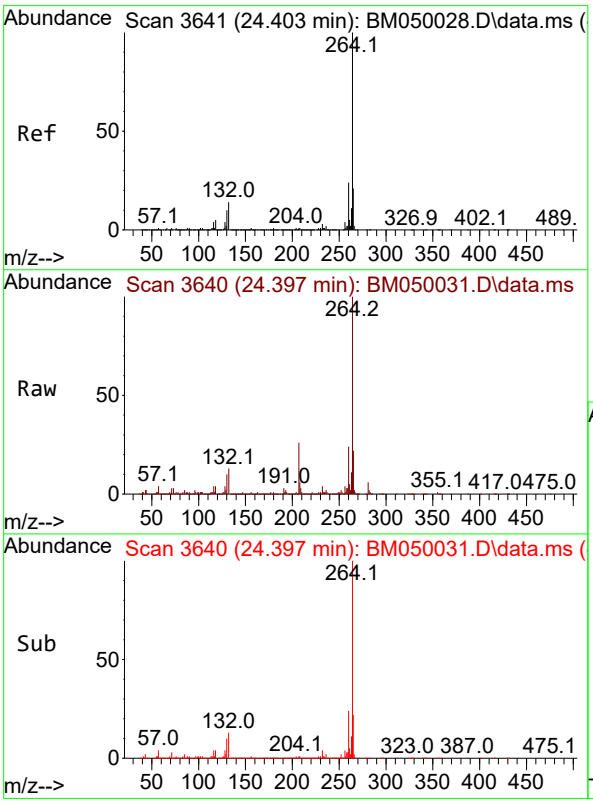
#85
Di-n-octyl phthalate
Concen: 78.732 ng
RT: 22.427 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 6109632

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	7.0	5.8	8.8

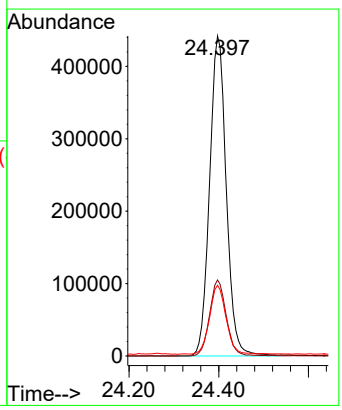


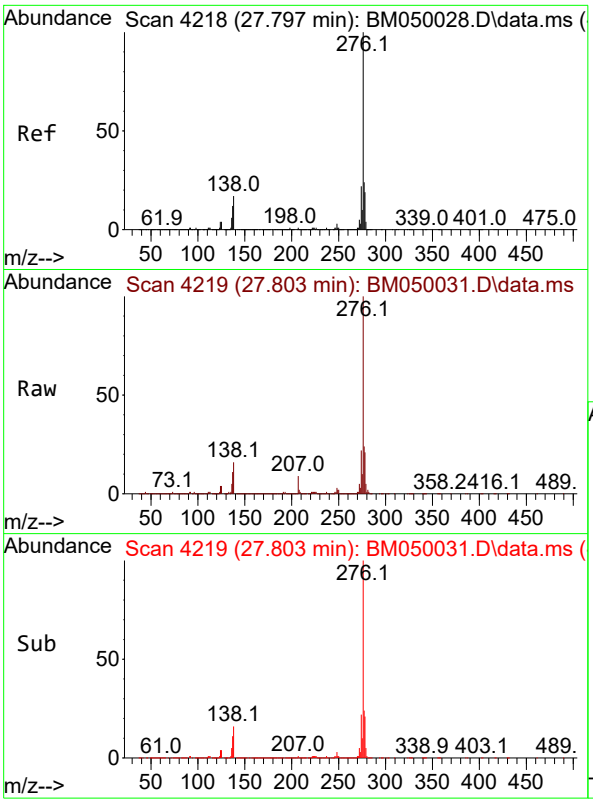


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.397 min Scan# 3640
Delta R.T. -0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:264 Resp: 1141905

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.8	28.2
265	22.1	17.0	25.4



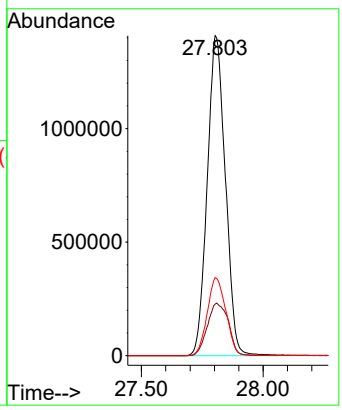


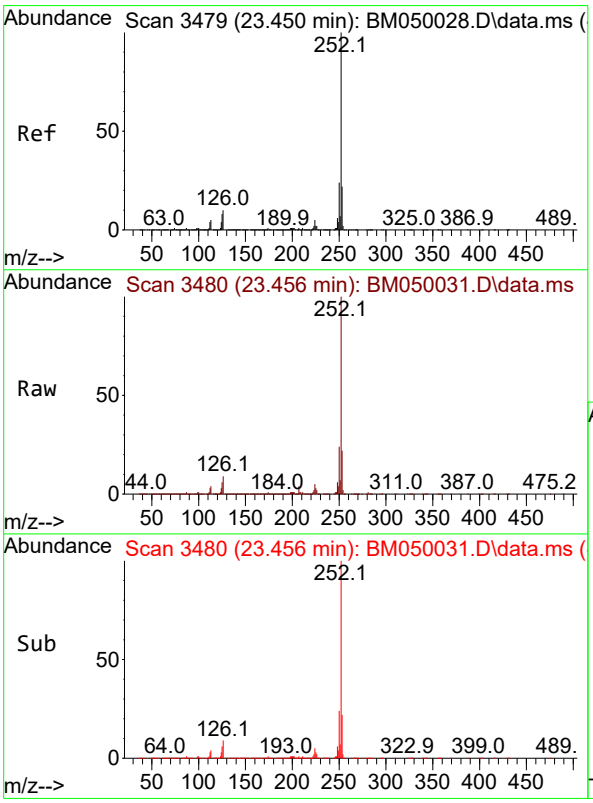
#87
Indeno(1,2,3-cd)pyrene
Concen: 85.629 ng
RT: 27.803 min Scan# 4
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 7285836

Ion	Ratio	Lower	Upper
276	100		
138	19.2	16.4	24.6
277	25.1	19.8	29.8

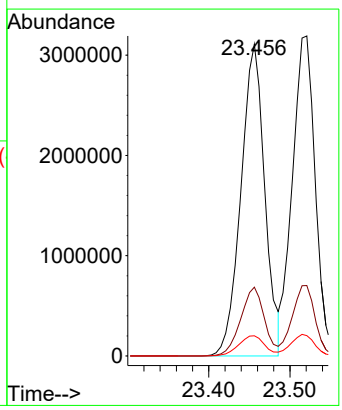


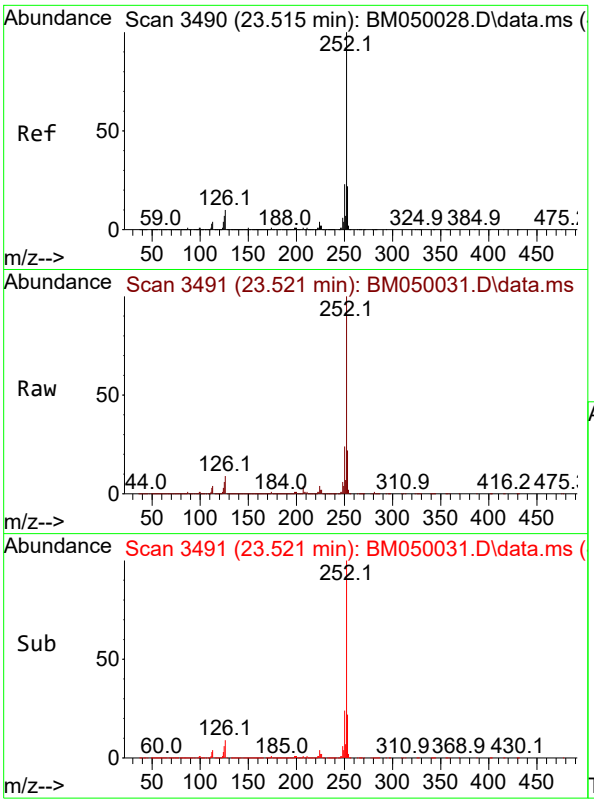


#88
Benzo(b)fluoranthene
Concen: 85.480 ng
RT: 23.456 min Scan# 3480
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:252 Resp: 6347901

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	6.5	6.1	9.1



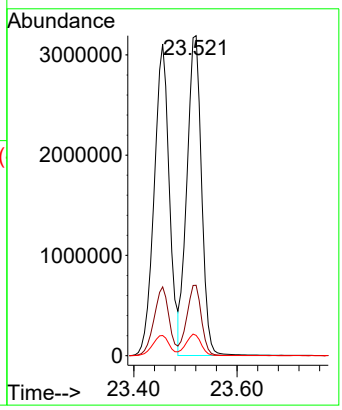


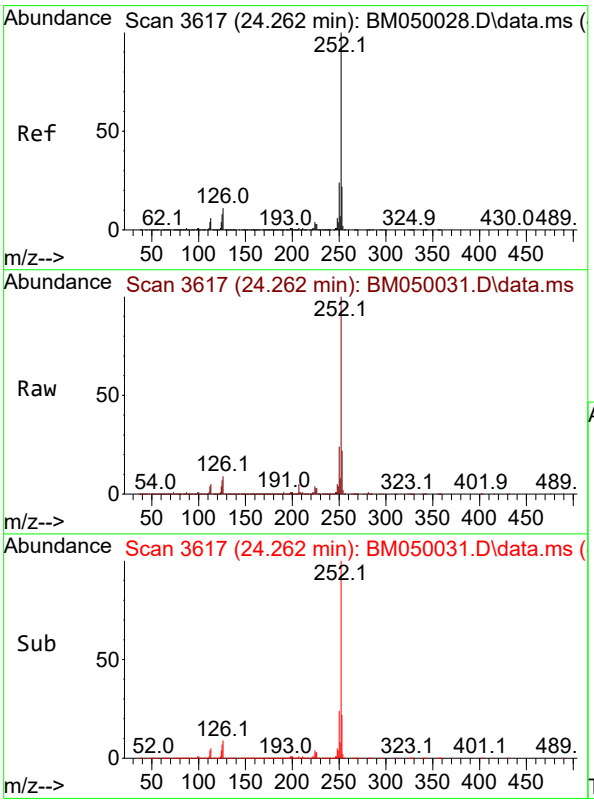
#89
Benzo(k)fluoranthene
Concen: 83.396 ng
RT: 23.521 min Scan# 34
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 6265924

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	6.4	5.8	8.8

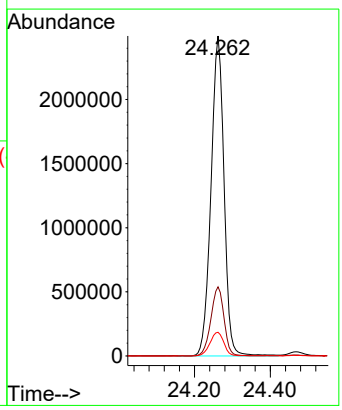


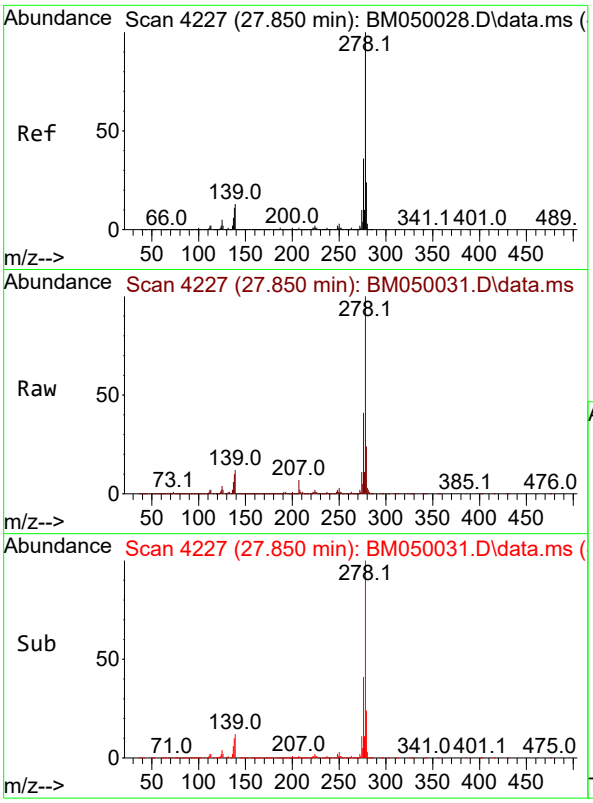


#90
Benzo(a)pyrene
Concen: 85.195 ng
RT: 24.262 min Scan# 3617
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:252 Resp: 5925652

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.0
125	7.4	6.6	9.8



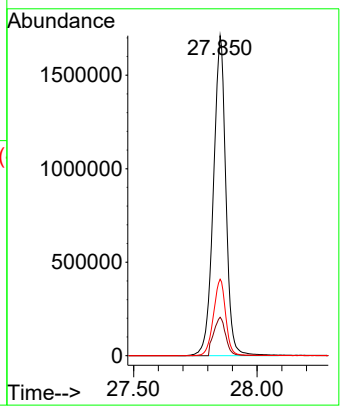


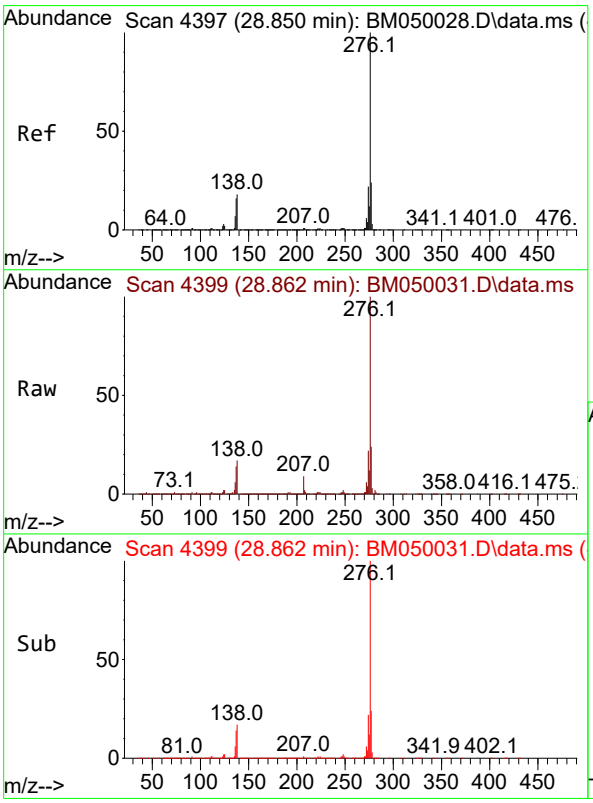
#91
Dibenzo(a,h)anthracene
Concen: 86.239 ng
RT: 27.850 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:278 Resp: 5981478

Ion	Ratio	Lower	Upper
278	100		
139	12.0	10.5	15.7
279	23.9	19.4	29.0

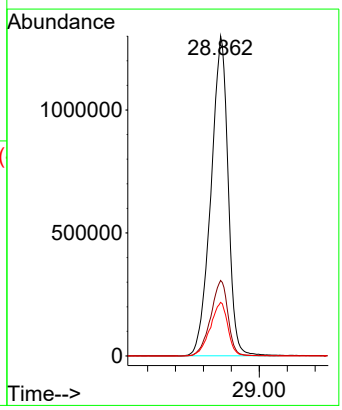




#92
Benzo(g,h,i)perylene
Concen: 83.395 ng
RT: 28.862 min Scan# 4399
Delta R.T. 0.012 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:276 Resp: 5537637

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.1	28.7
138	16.7	14.3	21.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050032.D
Acq On : 28 Apr 2025 17:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

Quant Time: Apr 28 18:14:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	230127	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	877692	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	605832	20.000	ng	0.00
64) Phenanthrene-d10	17.156	188	1251563	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1285998	20.000	ng	0.00
86) Perylene-d12	24.397	264	1266367	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1155553	87.928	ng	0.00
7) Phenol-d6	6.951	99	1488919	90.140	ng	0.00
23) Nitrobenzene-d5	8.928	82	1385703	77.798	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	810732	90.503	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	3905385	76.259	ng	0.00
79) Terphenyl-d14	19.780	244	6863055	78.970	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.257	88	253433	44.976	ng	99
3) Pyridine	3.657	79	673723	46.534	ng	98
4) n-Nitrosodimethylamine	3.569	42	260951	45.956	ng	99
6) Aniline	7.098	93	974989	46.744	ng	98
8) 2-Chlorophenol	7.339	128	649705	45.724	ng	99
9) Benzaldehyde	6.910	77	485673m	43.937	ng	
10) Phenol	6.981	94	784469	46.913	ng	98
11) bis(2-Chloroethyl)ether	7.192	93	635601	45.521	ng	98
12) 1,3-Dichlorobenzene	7.657	146	766772	44.672	ng	99
13) 1,4-Dichlorobenzene	7.804	146	774954	44.941	ng	100
14) 1,2-Dichlorobenzene	8.122	146	752460	45.174	ng	100
15) Benzyl Alcohol	8.016	79	551757	48.167	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.298	45	762583	44.929	ng	99
17) 2-Methylphenol	8.222	107	519426	47.153	ng	99
18) Hexachloroethane	8.845	117	274239	44.738	ng	99
19) n-Nitroso-di-n-propyla...	8.575	70	507362	47.892	ng	99
20) 3+4-Methylphenols	8.551	107	713683	47.974	ng	97
22) Acetophenone	8.592	105	985275	45.153	ng	100
24) Nitrobenzene	8.969	77	694640	45.104	ng	99
25) Isophorone	9.498	82	1384372	45.596	ng	99
26) 2-Nitrophenol	9.681	139	370477	47.087	ng	99
27) 2,4-Dimethylphenol	9.751	122	605475	46.404	ng	100
28) bis(2-Chloroethoxy)met...	9.975	93	842968	44.920	ng	100
29) 2,4-Dichlorophenol	10.228	162	677885	46.375	ng	99
30) 1,2,4-Trichlorobenzene	10.428	180	789816	44.348	ng	100
31) Naphthalene	10.610	128	1984698	44.651	ng	100
32) Benzoic acid	9.916	122	384400	46.063	ng	98
33) 4-Chloroaniline	10.727	127	863111	47.375	ng	99
34) Hexachlorobutadiene	10.898	225	497792	44.034	ng	99
35) Caprolactam	11.522	113	198108	46.481	ng	95
36) 4-Chloro-3-methylphenol	11.869	107	632365	46.825	ng	100
37) 2-Methylnaphthalene	12.227	142	1352170	45.374	ng	100
38) 1-Methylnaphthalene	12.445	142	1425407	45.198	ng	100
40) 1,2,4,5-Tetrachloroben...	12.598	216	925725	44.140	ng	100
41) Hexachlorocyclopentadiene	12.574	237	568717	44.374	ng	99
43) 2,4,6-Trichlorophenol	12.851	196	613142	46.094	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050032.D
Acq On : 28 Apr 2025 17:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

Quant Time: Apr 28 18:14:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.933	196	663718	46.271	ng	99
46) 1,1'-Biphenyl	13.239	154	1990852	44.207	ng	99
47) 2-Chloronaphthalene	13.286	162	1593769	44.684	ng	100
48) 2-Nitroaniline	13.498	65	398645	47.621	ng	99
49) Acenaphthylene	14.133	152	2548342	45.315	ng	100
50) Dimethylphthalate	13.868	163	2007342	45.338	ng	100
51) 2,6-Dinitrotoluene	13.992	165	435925	47.554	ng	98
52) Acenaphthene	14.474	154	1471672	45.210	ng	100
53) 3-Nitroaniline	14.327	138	427464	48.843	ng	99
54) 2,4-Dinitrophenol	14.545	184	249307	45.189	ng	98
55) Dibenzofuran	14.810	168	2427830	44.828	ng	99
56) 4-Nitrophenol	14.663	139	313065	46.012	ng	99
57) 2,4-Dinitrotoluene	14.786	165	611943	48.311	ng	97
58) Fluorene	15.462	166	2044284	46.115	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.045	232	583198	46.970	ng	98
60) Diethylphthalate	15.233	149	1889827	45.299	ng	99
61) 4-Chlorophenyl-phenyle...	15.457	204	1118837	45.950	ng	99
62) 4-Nitroaniline	15.492	138	427339	50.610	ng	100
63) Azobenzene	15.745	77	1599489	45.747	ng	100
65) 4,6-Dinitro-2-methylph...	15.557	198	367586	46.920	ng	97
66) n-Nitrosodiphenylamine	15.668	169	1709666	44.485	ng	100
67) 4-Bromophenyl-phenylether	16.345	248	665088	43.944	ng	97
68) Hexachlorobenzene	16.468	284	770651	44.174	ng	98
69) Atrazine	16.627	200	616670	44.483	ng	99
70) Pentachlorophenol	16.821	266	452303	46.059	ng	99
71) Phenanthrene	17.198	178	3169143	44.895	ng	99
72) Anthracene	17.292	178	3241829	45.381	ng	100
73) Carbazole	17.562	167	2851516	46.001	ng	100
74) Di-n-butylphthalate	18.121	149	3370238	45.654	ng	100
75) Fluoranthene	19.215	202	3895046	46.998	ng	100
77) Benzidine	19.403	184	2019202	44.204	ng	100
78) Pyrene	19.580	202	3992384	44.209	ng	100
80) Butylbenzylphthalate	20.474	149	1512498	44.718	ng	96
81) Benzo(a)anthracene	21.380	228	4029064	45.497	ng	100
82) 3,3'-Dichlorobenzidine	21.303	252	1487254	43.871	ng	98
83) Chrysene	21.439	228	3685603	44.967	ng	99
84) Bis(2-ethylhexyl)phtha...	21.297	149	2284769	45.224	ng	99
85) Di-n-octyl phthalate	22.427	149	3747091	44.974	ng	100
87) Indeno(1,2,3-cd)pyrene	27.791	276	4364032	46.249	ng	99
88) Benzo(b)fluoranthene	23.450	252	3711451	45.066	ng	100
89) Benzo(k)fluoranthene	23.515	252	3813739	45.780	ng	100
90) Benzo(a)pyrene	24.262	252	3515582	45.577	ng	100
91) Dibenzo(a,h)anthracene	27.838	278	3545295	46.091	ng	100
92) Benzo(g,h,i)perylene	28.850	276	3345997	45.437	ng	100

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

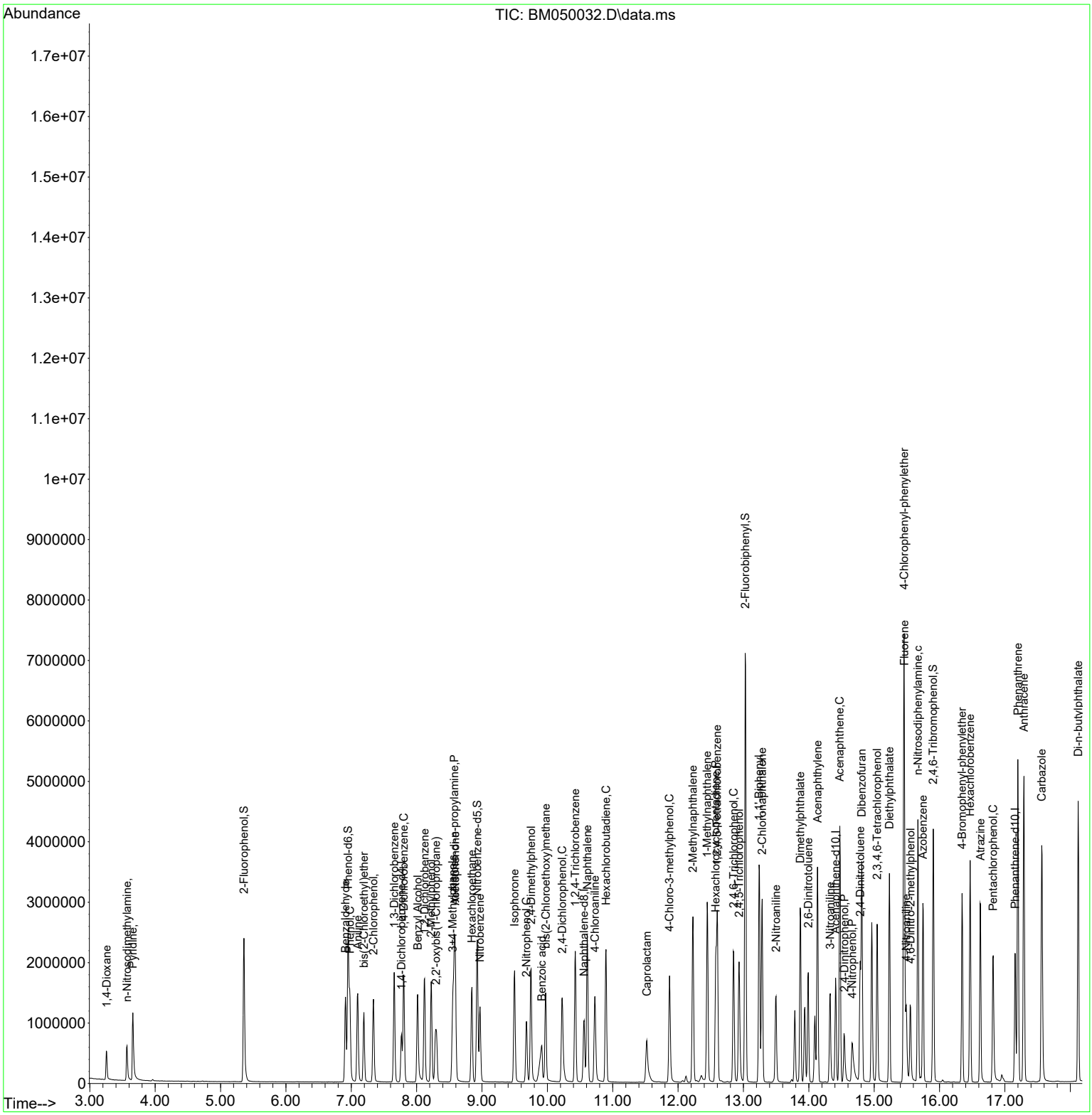
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050032.D
Acq On : 28 Apr 2025 17:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 28 18:14:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



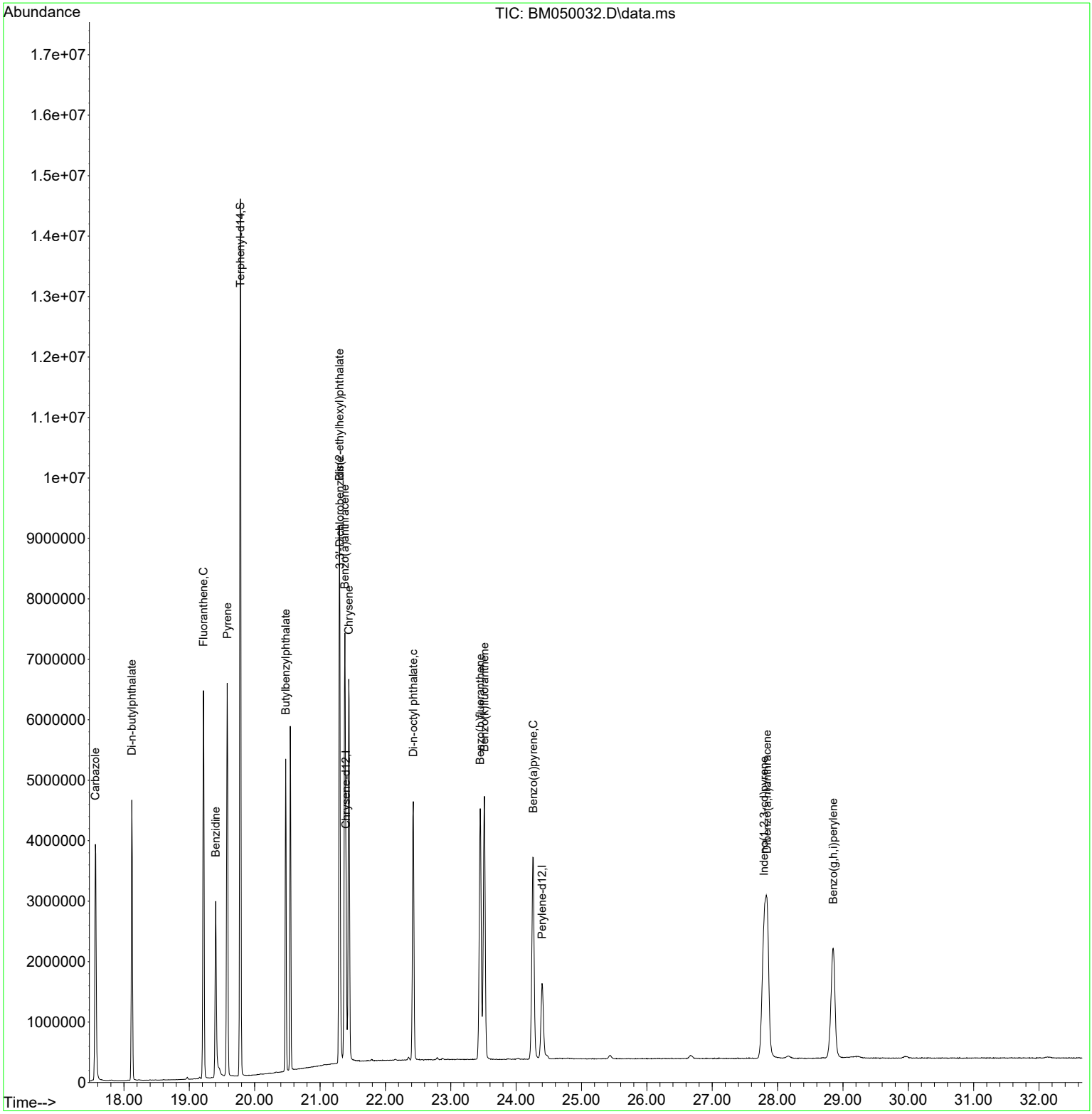
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050032.D
Acq On : 28 Apr 2025 17:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

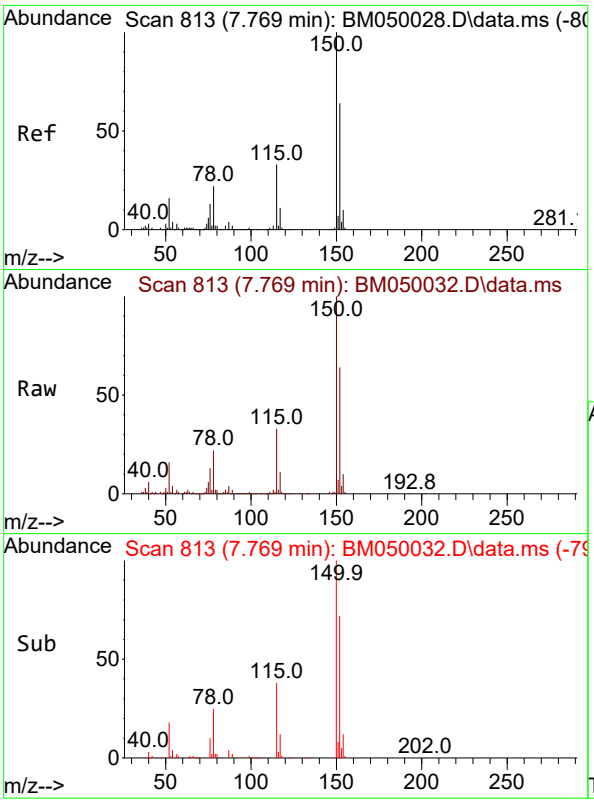
Quant Time: Apr 28 18:14:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

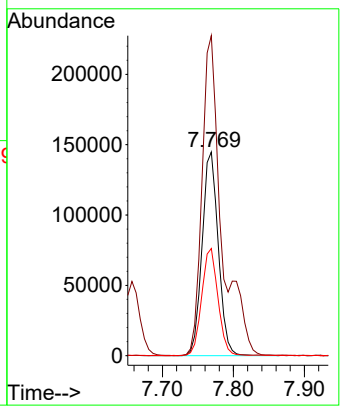




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:152 Resp: 23012

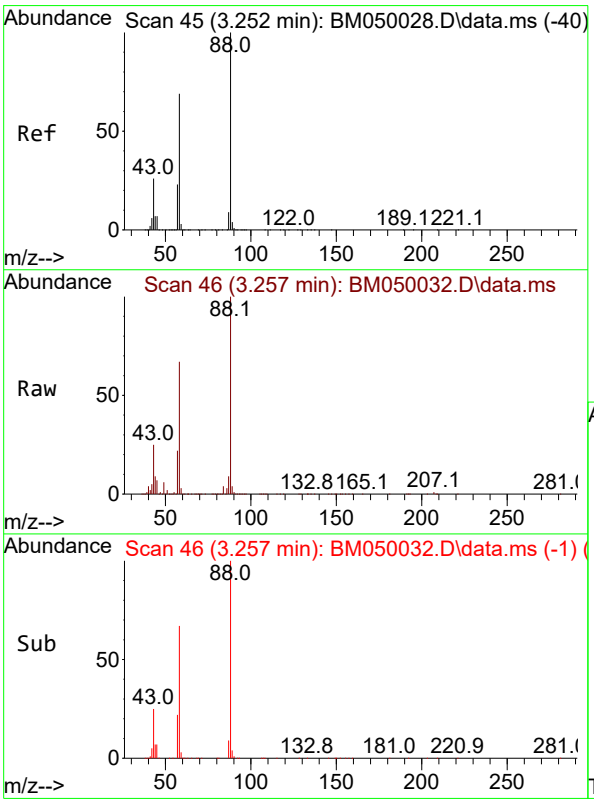
Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.1	186.1
115	52.6	41.2	61.8



Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Manual Integrations
APPROVED

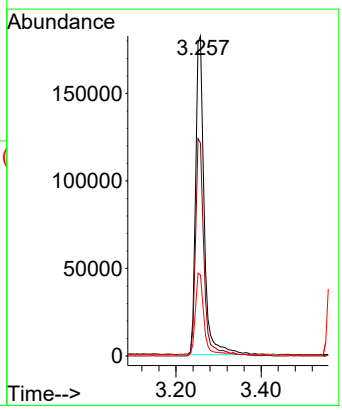
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

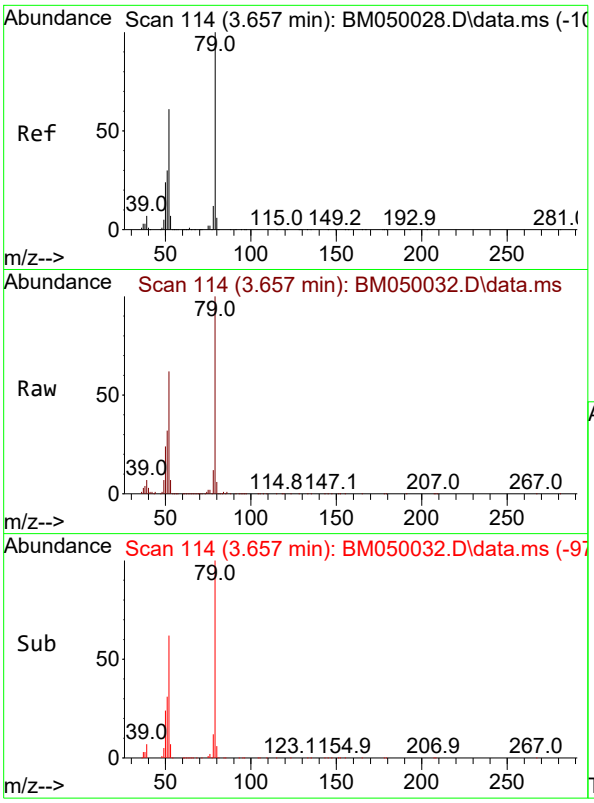


#2
1,4-Dioxane
Concen: 44.976 ng
RT: 3.257 min Scan# 46
Delta R.T. 0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion: 88 Resp: 253433

Ion	Ratio	Lower	Upper
88	100		
58	67.9	55.1	82.7
43	25.9	20.9	31.3

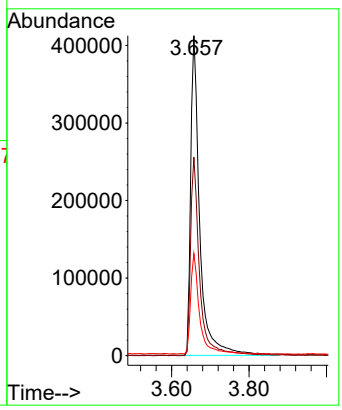




#3
Pyridine
Concen: 46.534 ng
RT: 3.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion: 79 Resp: 67372

Ion	Ratio	Lower	Upper
79	100		
52	62.0	48.6	72.8
51	31.9	24.6	37.0



Instrument :
BNA_M
ClientSampleId :
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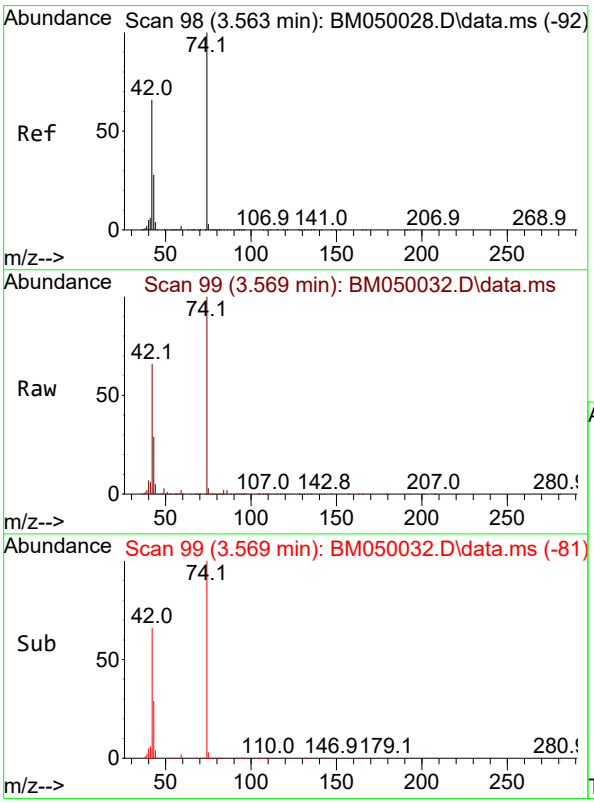
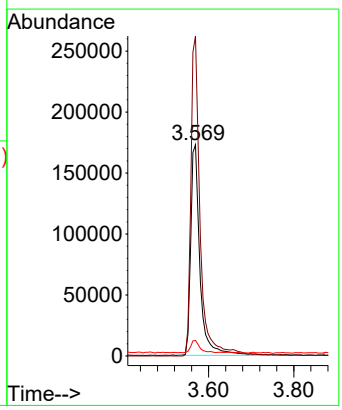
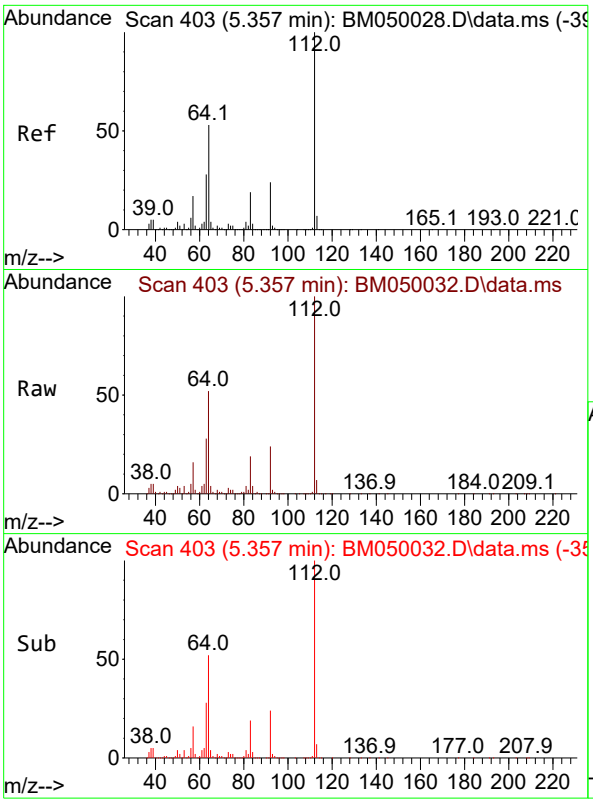


#4
n-Nitrosodimethylamine
Concen: 45.956 ng
RT: 3.569 min Scan# 99
Delta R.T. 0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion: 42 Resp: 260951

Ion	Ratio	Lower	Upper
42	100		
74	151.5	120.2	180.2
44	7.3	6.2	9.2

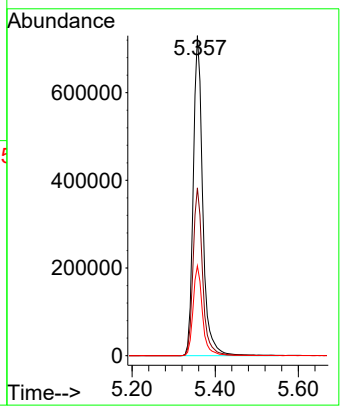




#5
2-Fluorophenol
Concen: 87.928 ng
RT: 5.357 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:112 Resp: 115555

Ion	Ratio	Lower	Upper
112	100		
64	52.4	42.6	64.0
63	28.0	22.2	33.4



Instrument :
BNA_M
ClientSampleId :
ICVBM042825

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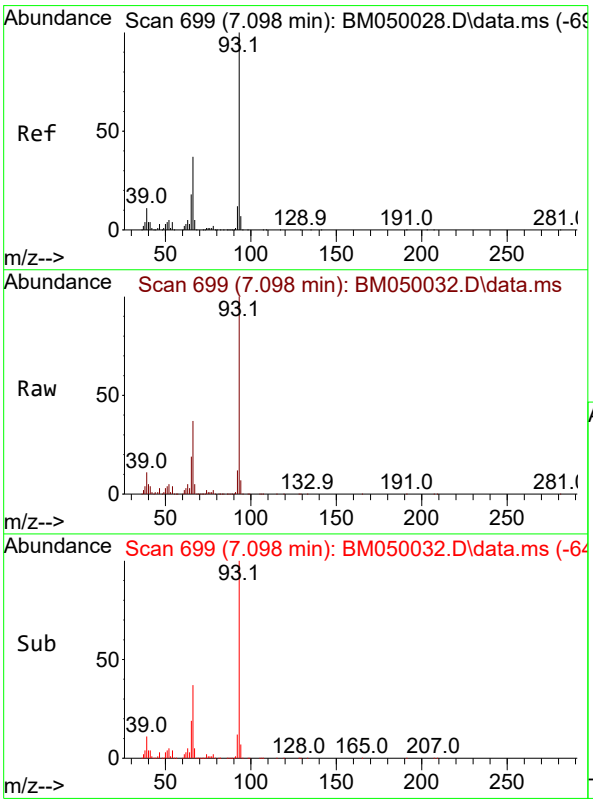
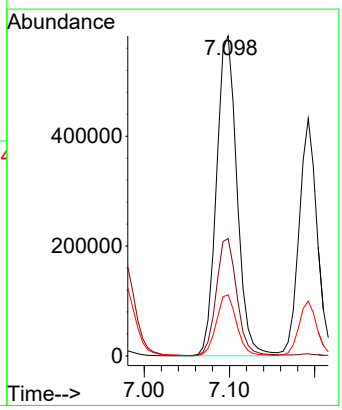
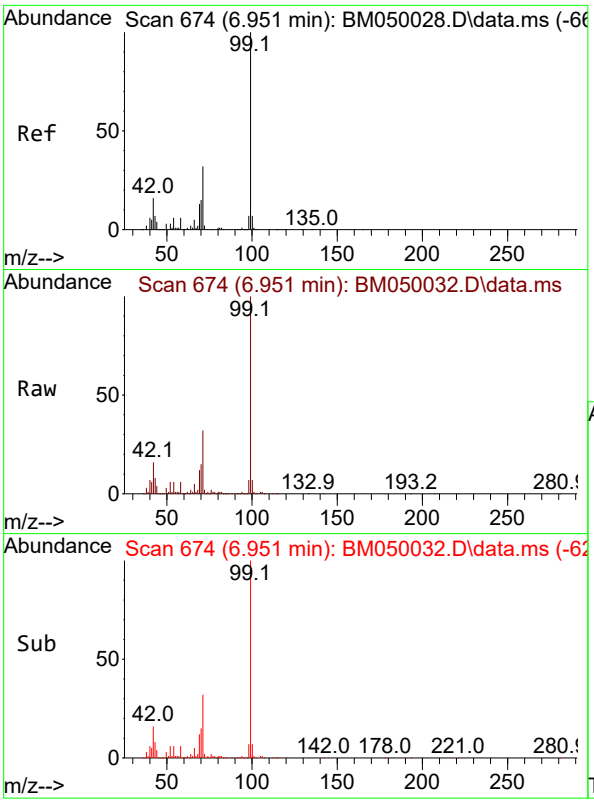


#6
Aniline
Concen: 46.744 ng
RT: 7.098 min Scan# 699
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion: 93 Resp: 974989

Ion	Ratio	Lower	Upper
93	100		
66	36.7	29.9	44.9
65	19.1	14.5	21.7

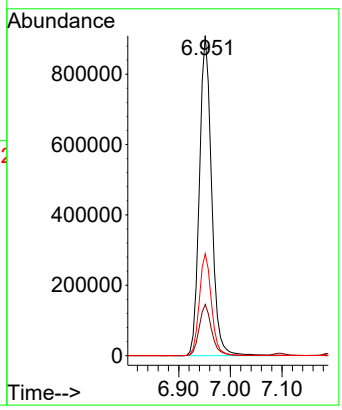




#7
Phenol-d6
Concen: 90.140 ng
RT: 6.951 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion: 99 Resp: 148891

Ion	Ratio	Lower	Upper
99	100		
42	16.0	13.0	19.4
71	31.9	25.6	38.4



Instrument :
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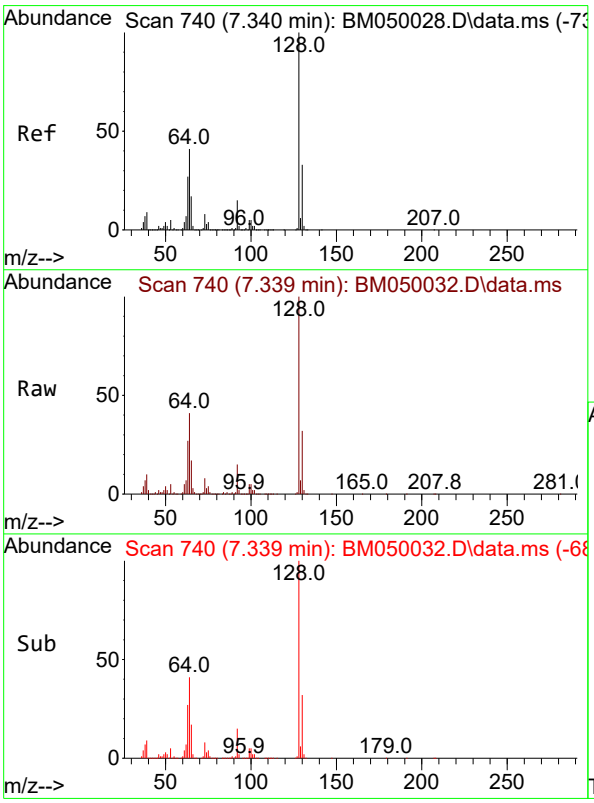
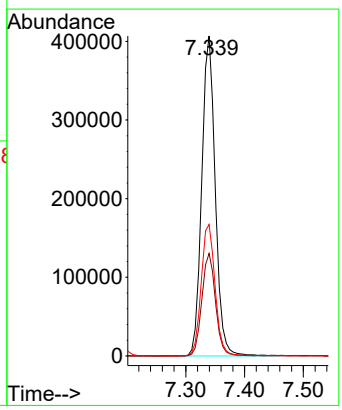
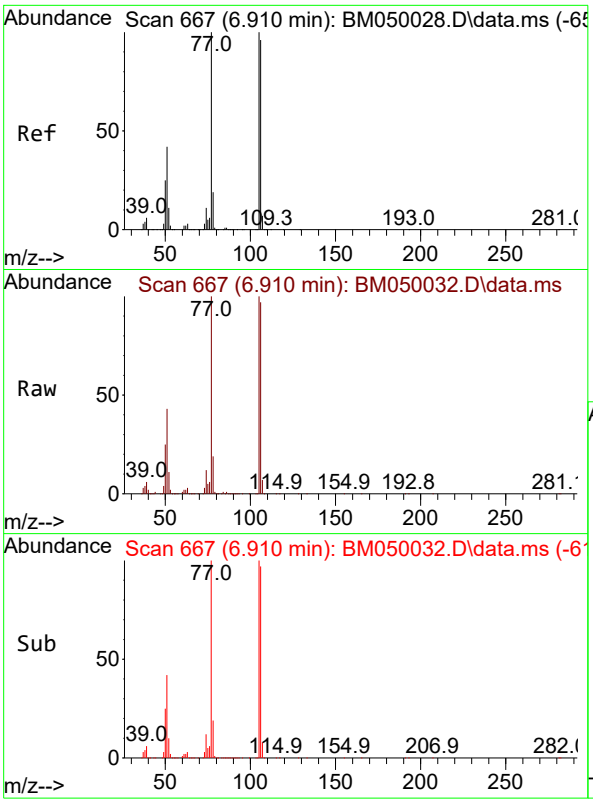


#8
2-Chlorophenol
Concen: 45.724 ng
RT: 7.339 min Scan# 740
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:128 Resp: 649705

Ion	Ratio	Lower	Upper
128	100		
130	32.0	12.8	52.8
64	41.1	21.2	61.2

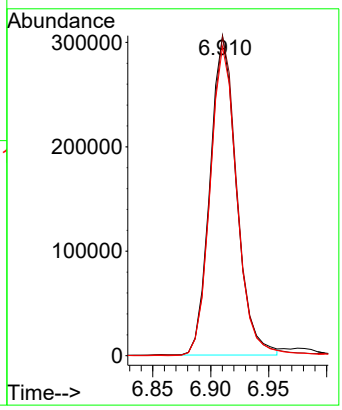




#9
Benzaldehyde
Concen: 43.937 ng m
RT: 6.910 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion: 77 Resp: 48567

Ion	Ratio	Lower	Upper
77	100		
105	99.8	80.5	120.5
106	96.6	76.1	116.1



Instrument :
BNA_M
ClientSampleId :
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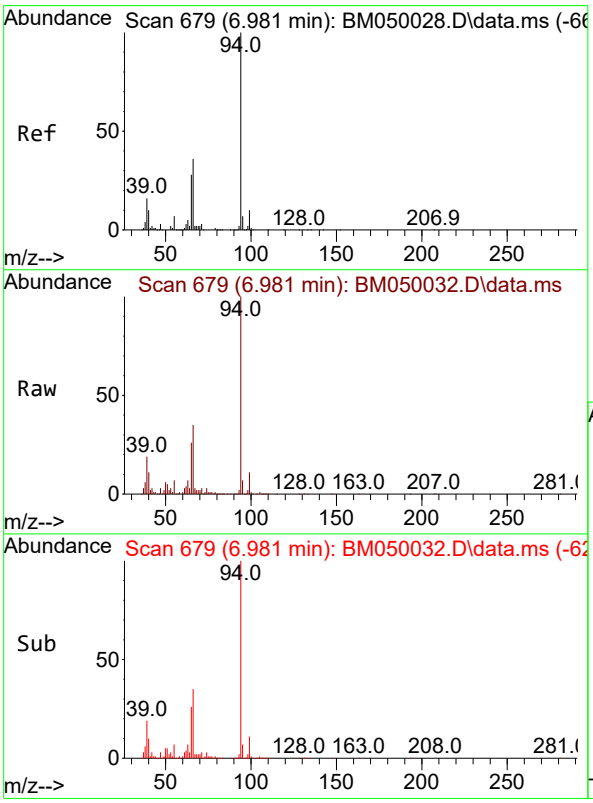
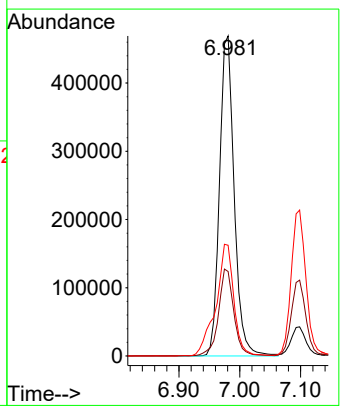
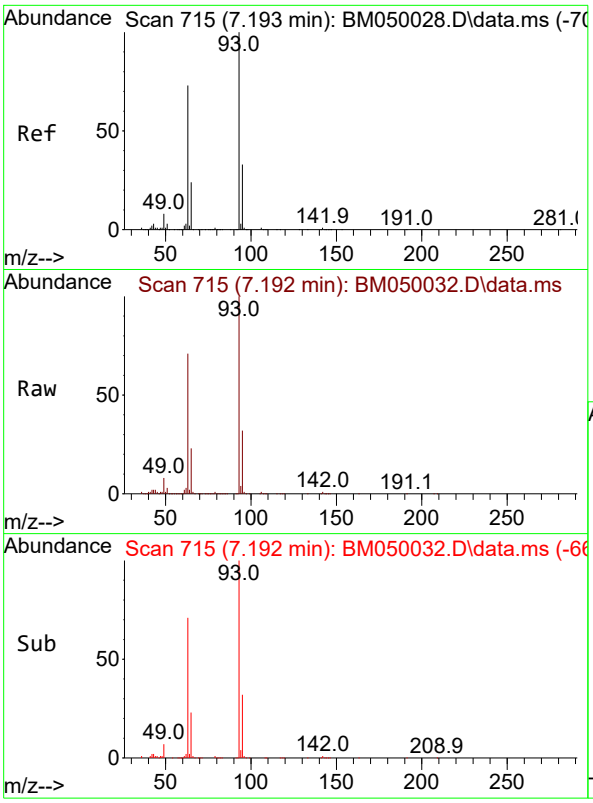


#10
Phenol
Concen: 46.913 ng
RT: 6.981 min Scan# 679
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion: 94 Resp: 784469

Ion	Ratio	Lower	Upper
94	100		
65	26.4	7.6	47.6
66	34.6	15.8	55.8

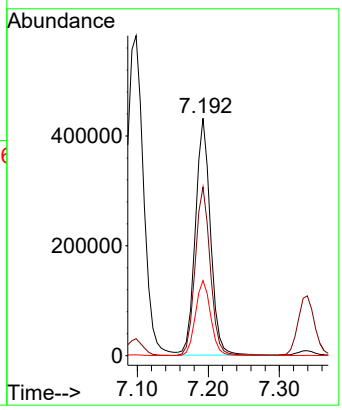




#11
bis(2-Chloroethyl)ether
Concen: 45.521 ng
RT: 7.192 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion: 93 Resp: 63560

Ion	Ratio	Lower	Upper
93	100		
63	71.0	52.3	92.3
95	31.6	12.8	52.8



Instrument :
BNA_M
ClientSampleId :
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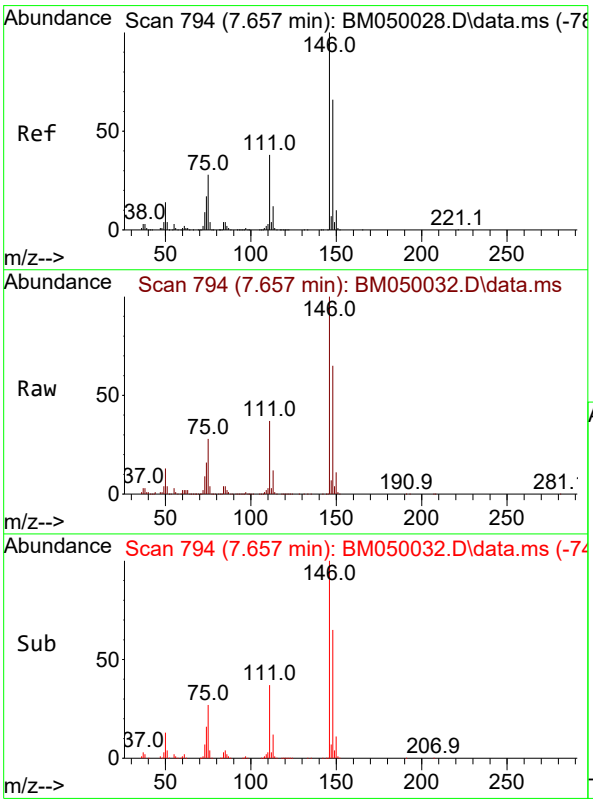
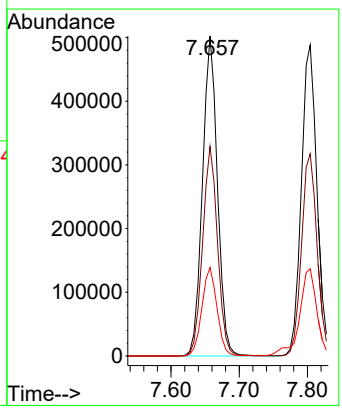
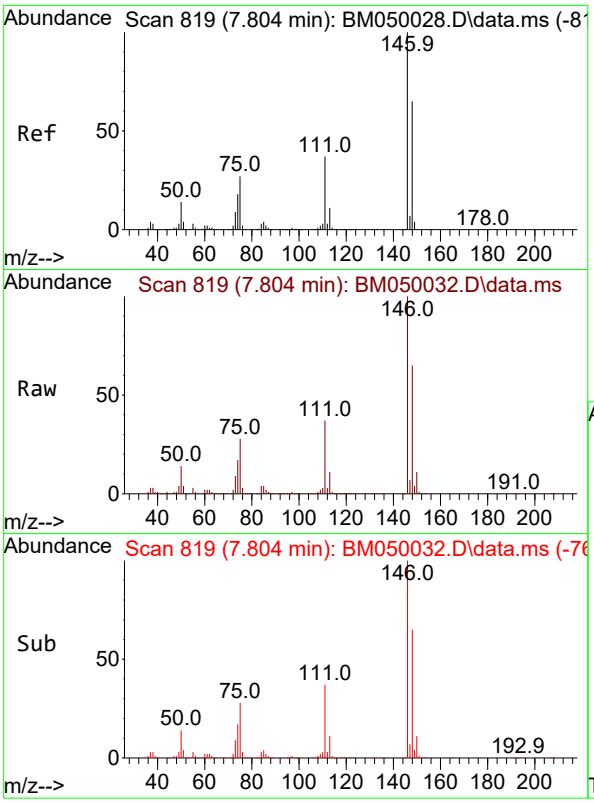


#12
1,3-Dichlorobenzene
Concen: 44.672 ng
RT: 7.657 min Scan# 794
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:146 Resp: 766772

Ion	Ratio	Lower	Upper
146	100		
148	65.4	52.5	78.7
75	27.6	22.6	34.0

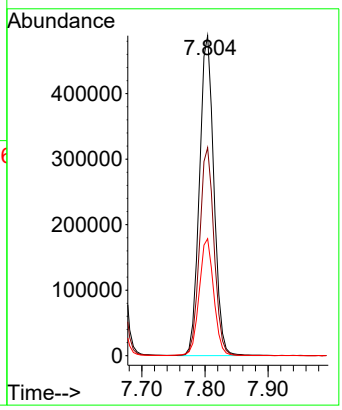




#13
1,4-Dichlorobenzene
Concen: 44.941 ng
RT: 7.804 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:146 Resp: 77495

Ion	Ratio	Lower	Upper
146	100		
148	65.0	52.2	78.2
111	36.6	29.3	43.9



Instrument :
BNA_M
ClientSampleId :
ICVBM042825

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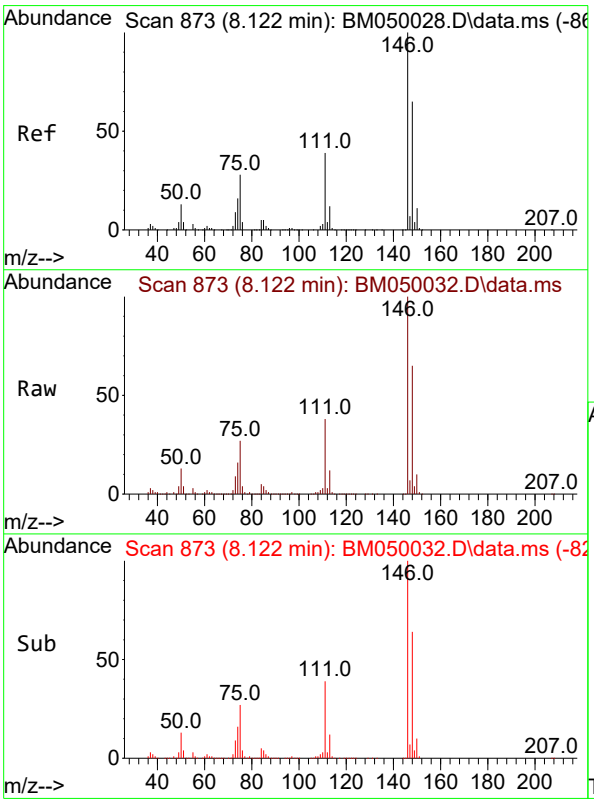
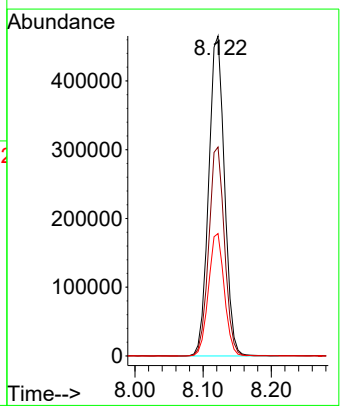
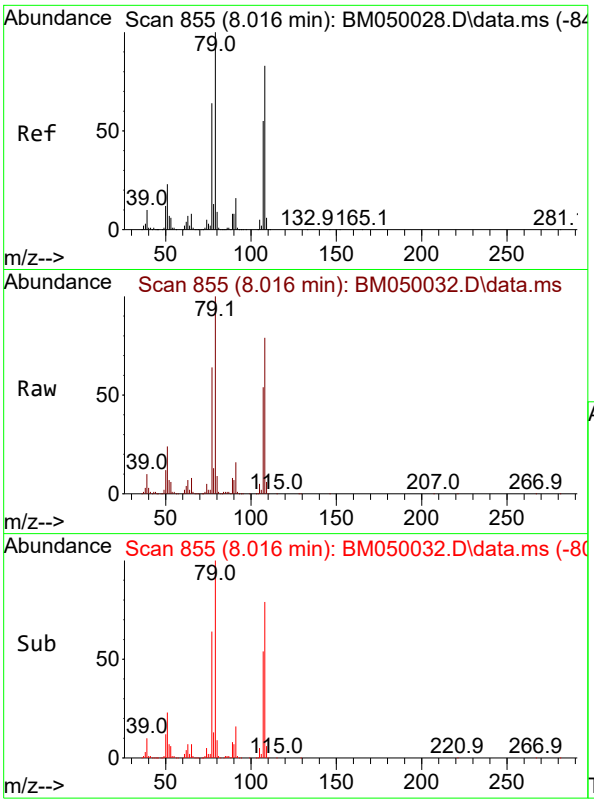


#14
1,2-Dichlorobenzene
Concen: 45.174 ng
RT: 8.122 min Scan# 873
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:146 Resp: 752460

Ion	Ratio	Lower	Upper
146	100		
148	65.3	52.4	78.6
111	38.3	31.0	46.6

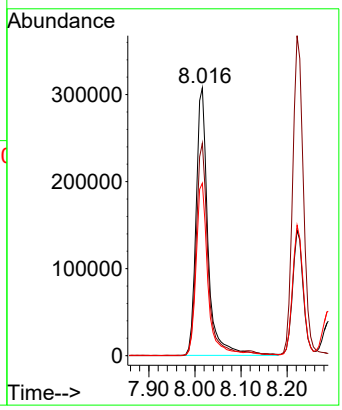




#15
Benzyl Alcohol
Concen: 48.167 ng
RT: 8.016 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion: 79 Resp: 55175

Ion	Ratio	Lower	Upper
79	100		
108	79.4	66.0	99.0
77	64.4	51.6	77.4



Instrument :
BNA_M
ClientSampleId :
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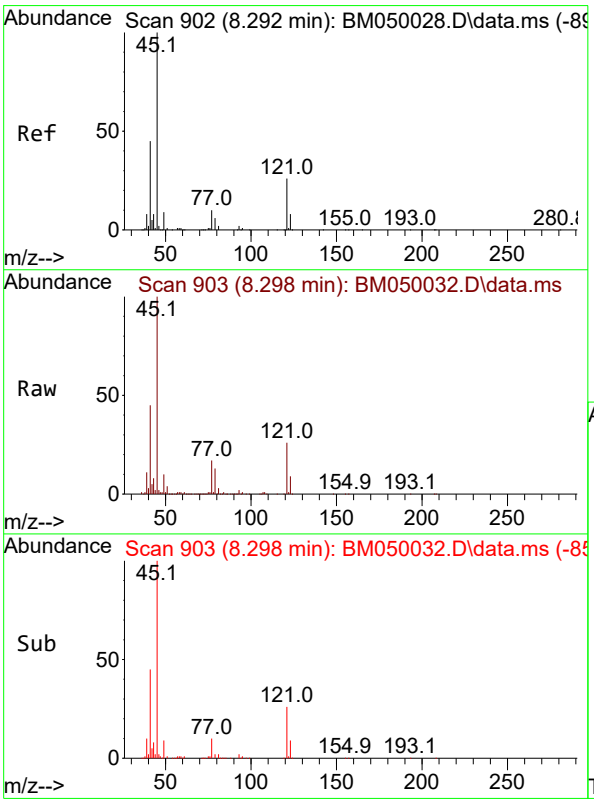
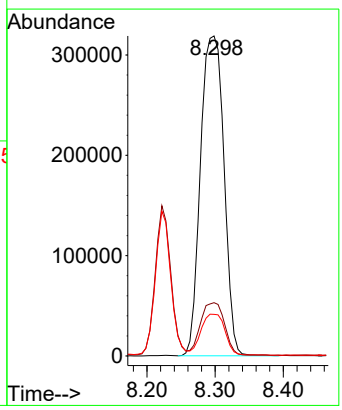
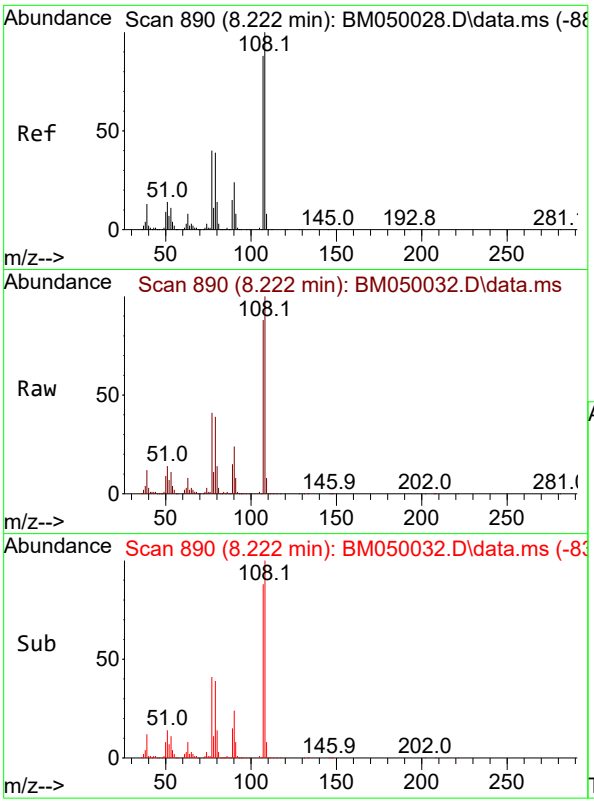


#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.929 ng
RT: 8.298 min Scan# 903
Delta R.T. 0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion: 45 Resp: 762583

Ion	Ratio	Lower	Upper
45	100		
77	16.7	0.0	36.4
79	13.0	0.0	32.7

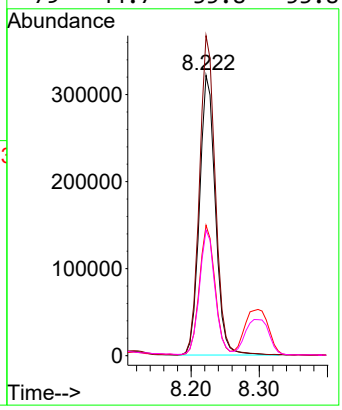




#17
2-Methylphenol
Concen: 47.153 ng
RT: 8.222 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:107 Resp: 51942

Ion	Ratio	Lower	Upper
107	100		
108	114.1	91.1	136.7
77	46.5	36.2	54.4
79	44.7	35.8	53.8



Instrument :
BNA_M
ClientSampleId :
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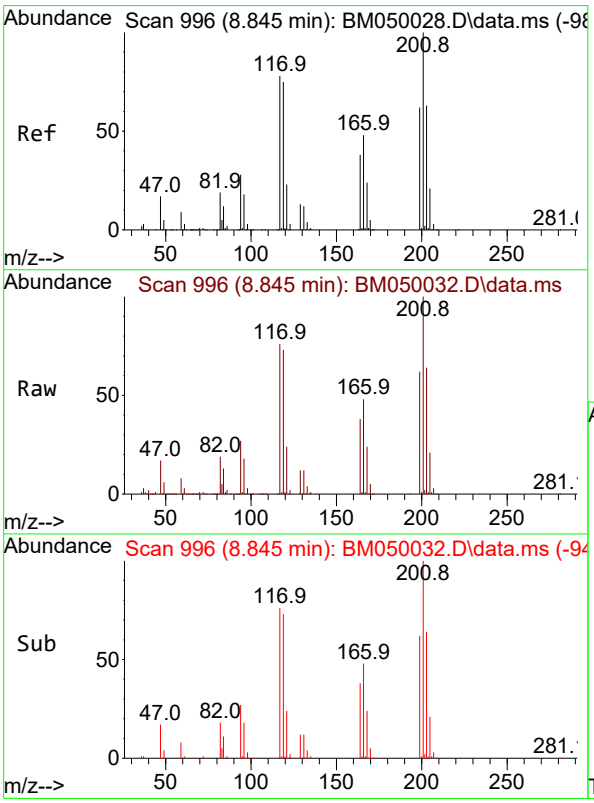
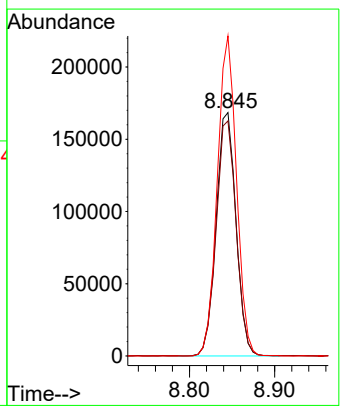
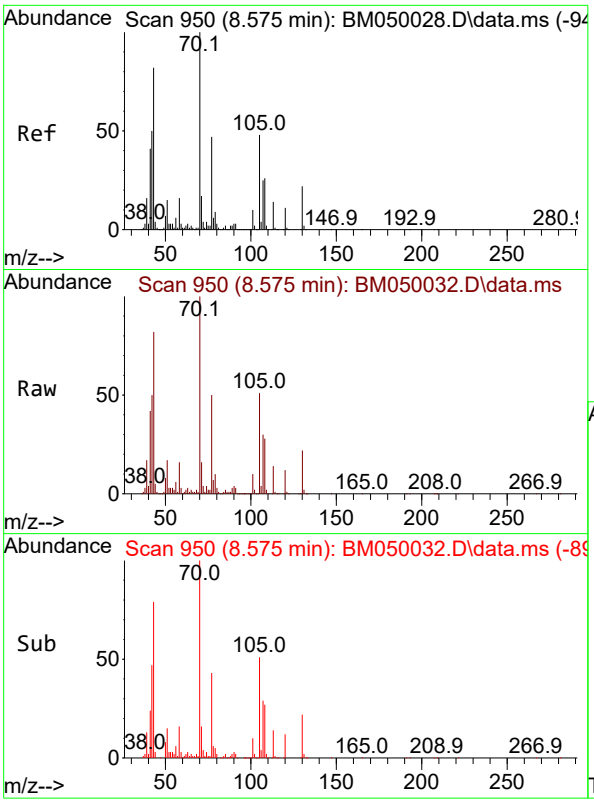


#18
Hexachloroethane
Concen: 44.738 ng
RT: 8.845 min Scan# 996
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:117 Resp: 274239

Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.3	115.9
201	131.4	102.8	154.2

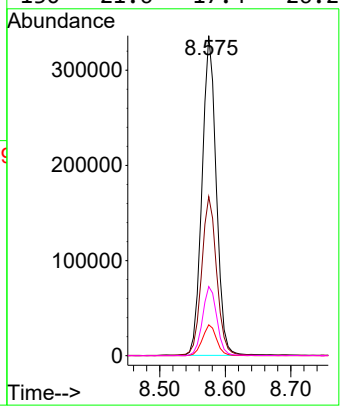




#19
n-Nitroso-di-n-propylamine
Concen: 47.892 ng
RT: 8.575 min Scan# 9
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion: 70 Resp: 50736

Ion	Ratio	Lower	Upper
70	100		
42	49.7	40.5	60.7
101	9.7	7.8	11.6
130	21.6	17.4	26.2



Instrument :
BNA_M
ClientSampleId :
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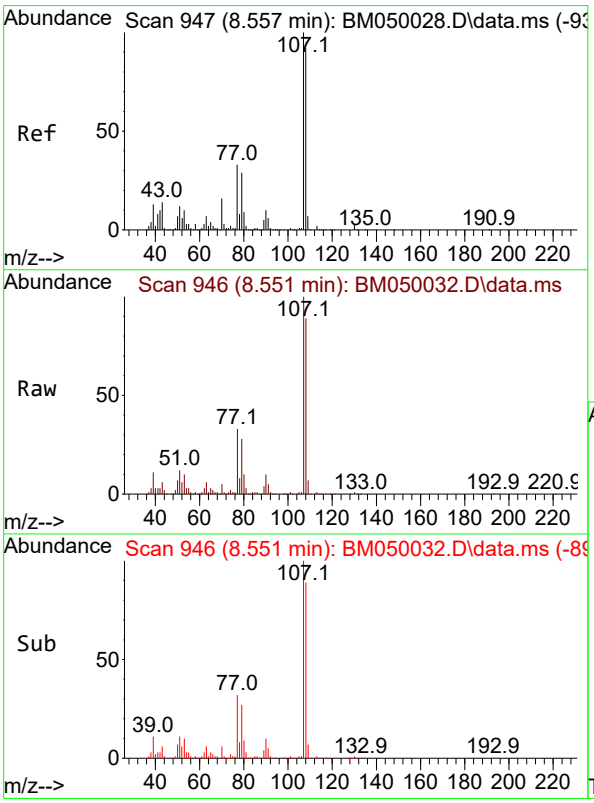
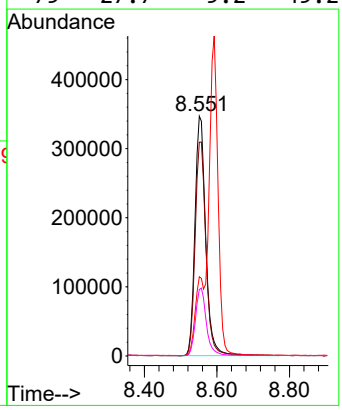
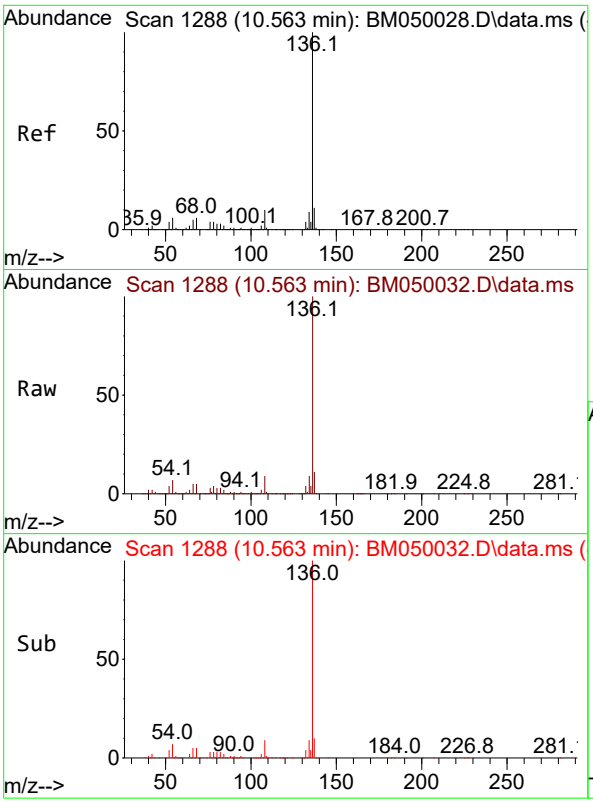


#20
3+4-Methylphenols
Concen: 47.974 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:107 Resp: 713683

Ion	Ratio	Lower	Upper
107	100		
108	89.1	72.4	112.4
77	33.0	13.6	53.6
79	27.7	9.2	49.2

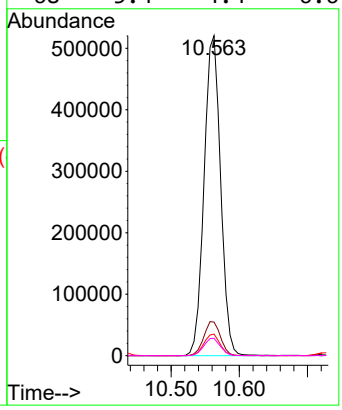




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:136 Resp: 87769

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	6.7	5.1	7.7
68	5.4	4.4	6.6



Instrument :
BNA_M
ClientSampleId :
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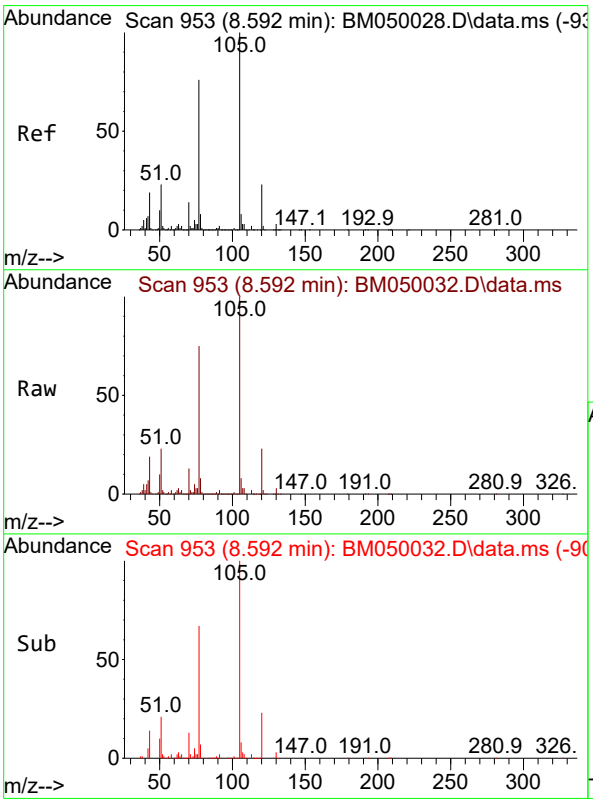
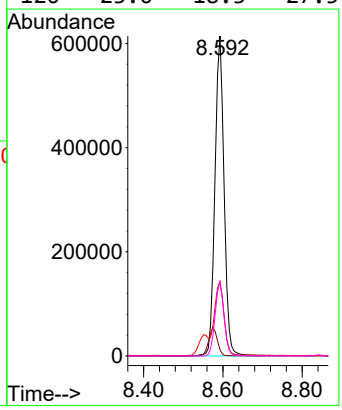
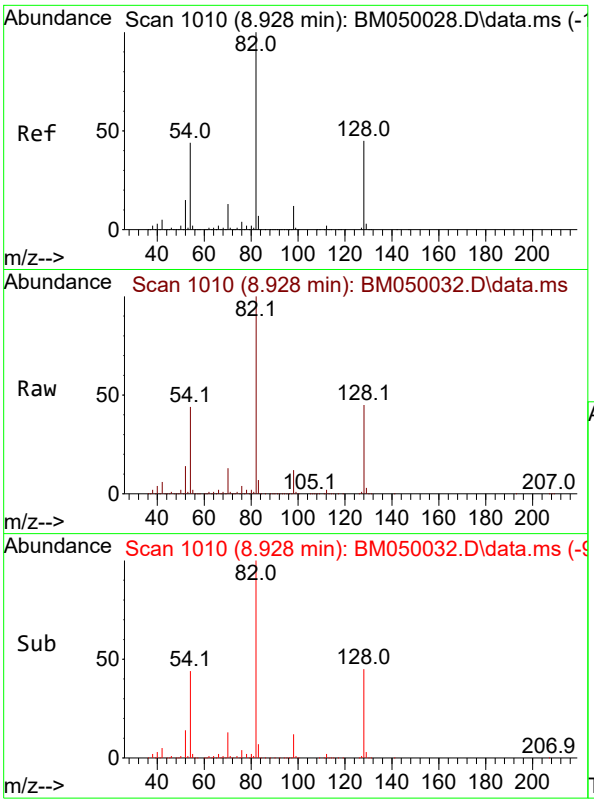


#22
Acetophenone
Concen: 45.153 ng
RT: 8.592 min Scan# 953
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:105 Resp: 985275

Ion	Ratio	Lower	Upper
105	100		
71	2.0	1.7	2.5
51	23.3	18.6	27.8
120	23.0	18.3	27.5





#23
Nitrobenzene-d5
Concen: 77.798 ng
RT: 8.928 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion: 82 Resp: 138570

Ion	Ratio	Lower	Upper
82	100		
128	44.9	35.7	53.5
54	44.4	35.4	53.2

Instrument :
BNA_M
ClientSampleId :
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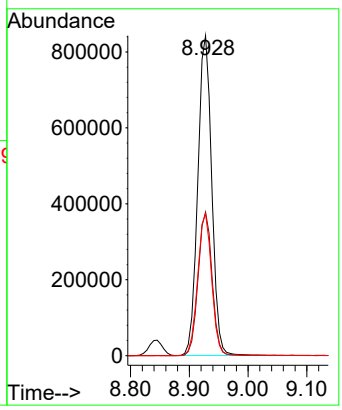
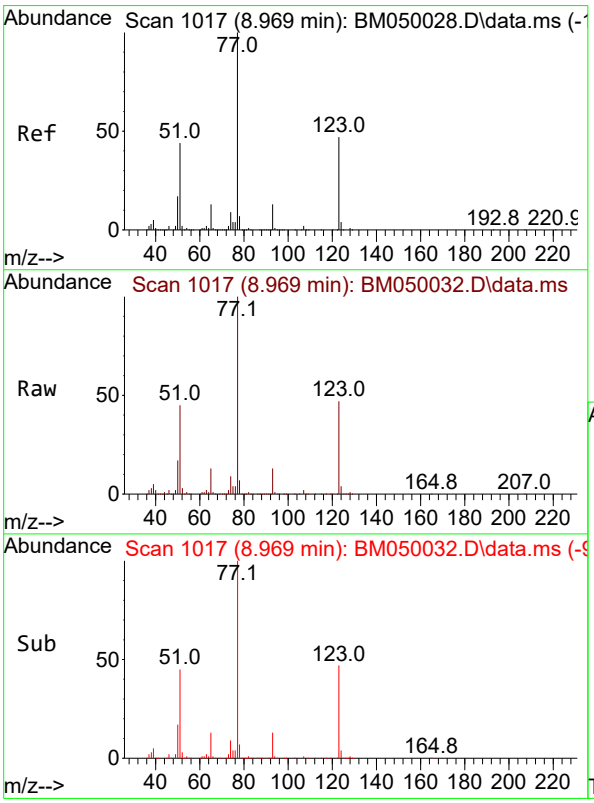
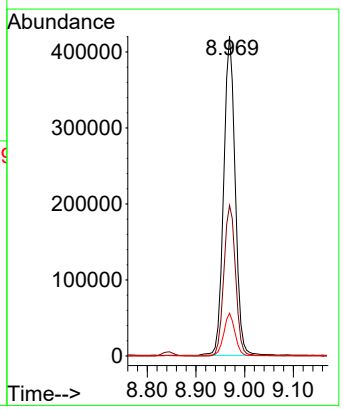


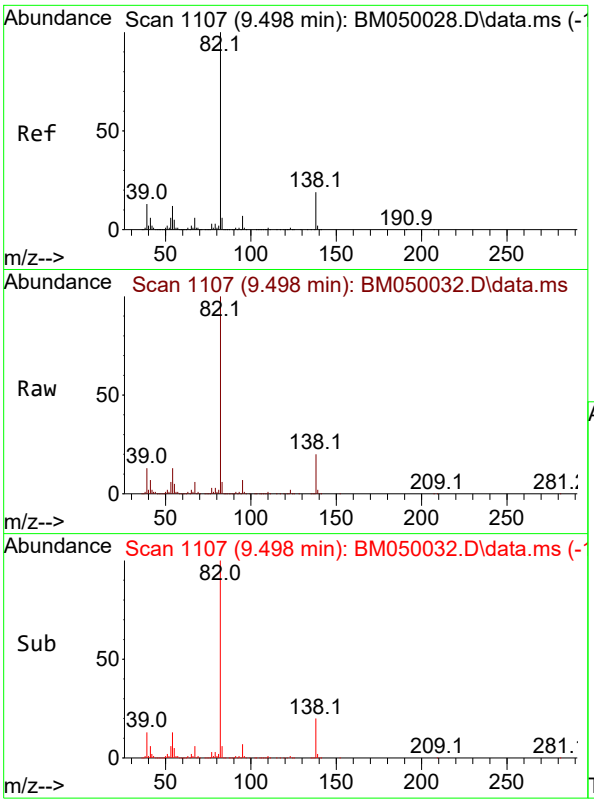


#24
Nitrobenzene
Concen: 45.104 ng
RT: 8.969 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion: 77 Resp: 694640

Ion	Ratio	Lower	Upper
77	100		
123	47.1	37.9	56.9
65	13.3	10.1	15.1

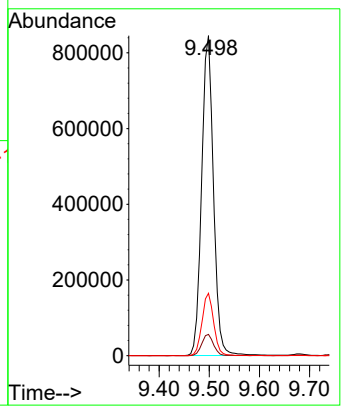




#25
Isophorone
Concen: 45.596 ng
RT: 9.498 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion: 82 Resp: 138437

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.7	8.5
138	19.5	15.5	23.3



Instrument :
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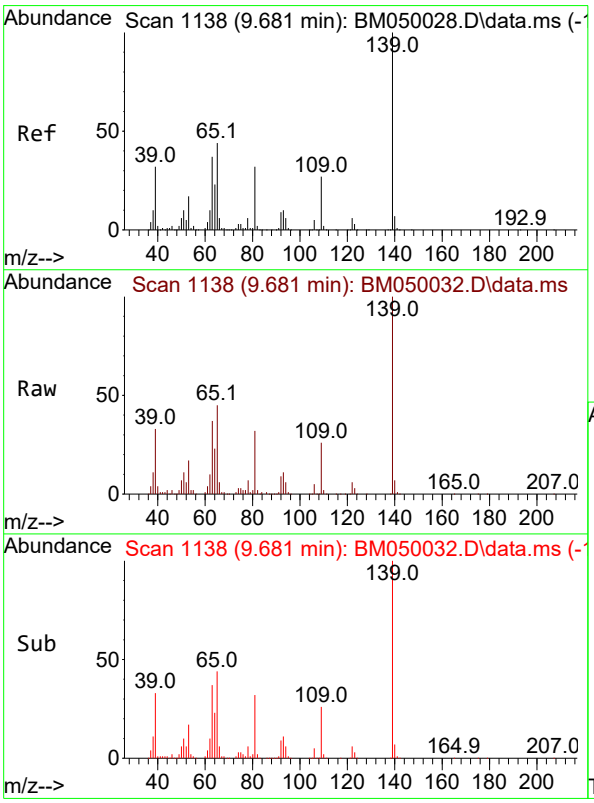
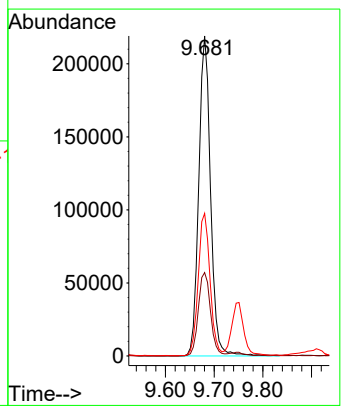
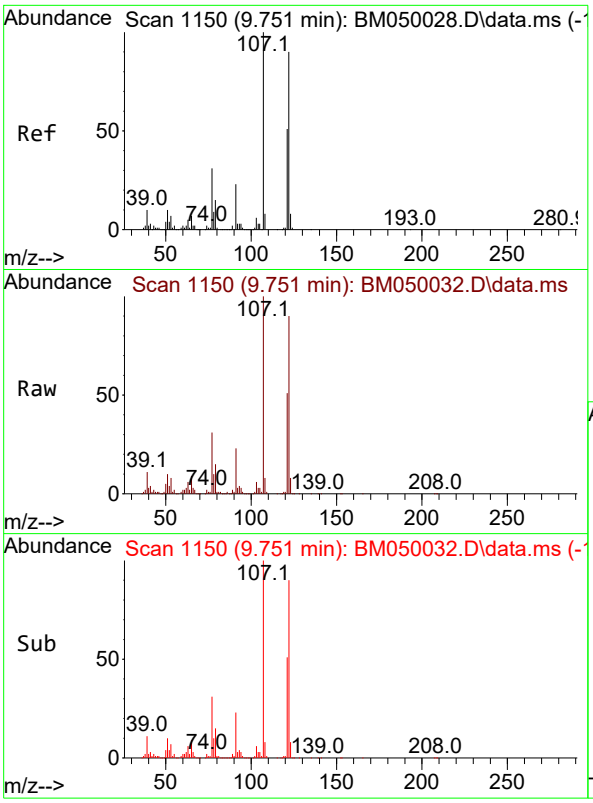


#26
2-Nitrophenol
Concen: 47.087 ng
RT: 9.681 min Scan# 1138
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:139 Resp: 370477

Ion	Ratio	Lower	Upper
139	100		
109	26.1	21.9	32.9
65	44.5	35.4	53.2

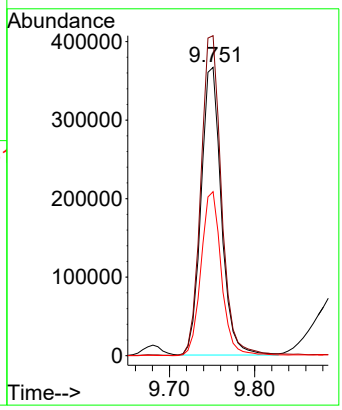




#27
2,4-Dimethylphenol
Concen: 46.404 ng
RT: 9.751 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:122 Resp: 60547

Ion	Ratio	Lower	Upper
122	100		
107	111.0	89.0	133.6
121	56.9	45.6	68.4



Instrument :
BNA_M
ClientSampleId :
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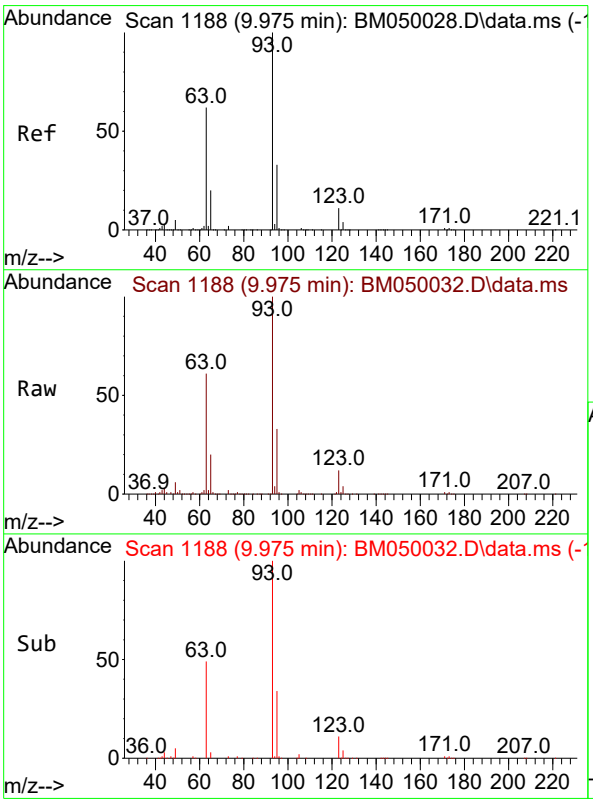
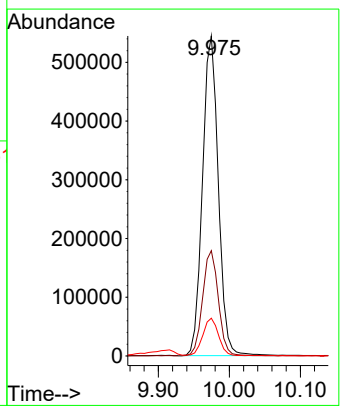
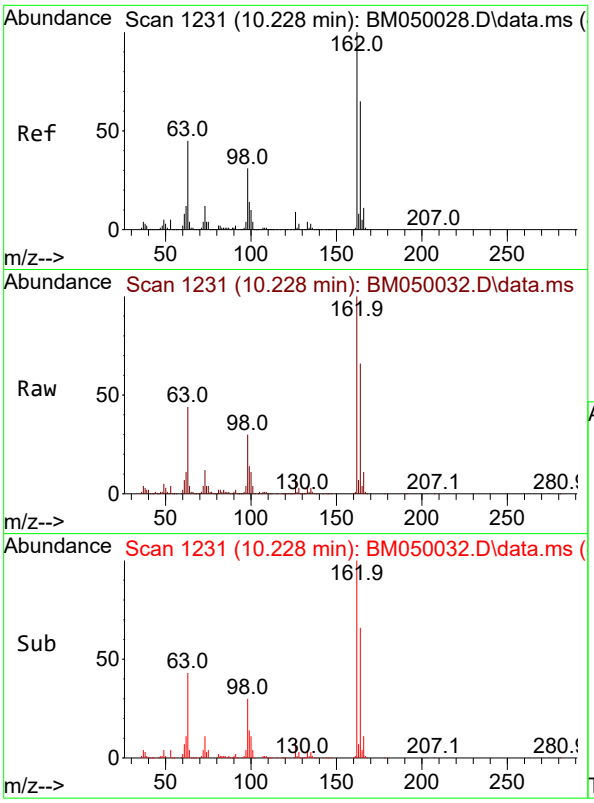


#28
bis(2-Chloroethoxy)methane
Concen: 44.920 ng
RT: 9.975 min Scan# 1188
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion: 93 Resp: 842968

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.1	39.1
123	11.8	9.5	14.3





#29
2,4-Dichlorophenol
Concen: 46.375 ng
RT: 10.228 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:162 Resp: 67788

Ion	Ratio	Lower	Upper
162	100		
164	66.0	45.4	85.4
98	30.5	11.3	51.3

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

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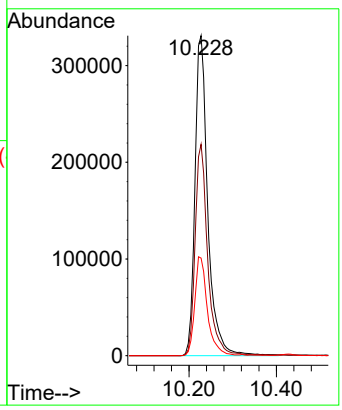
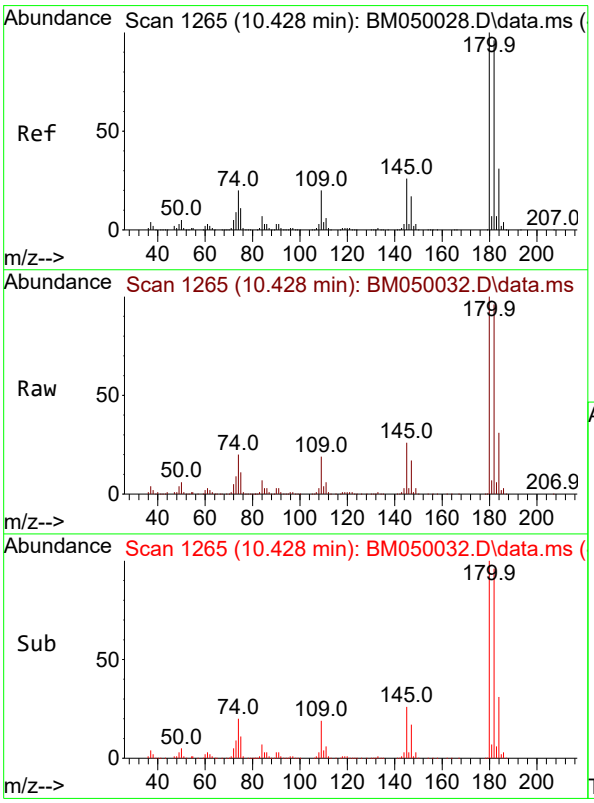
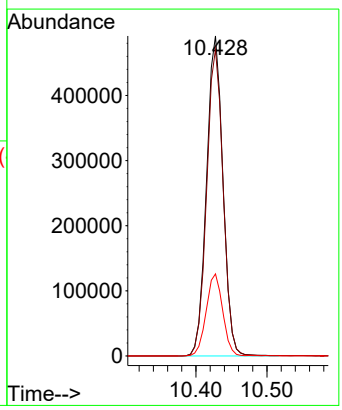


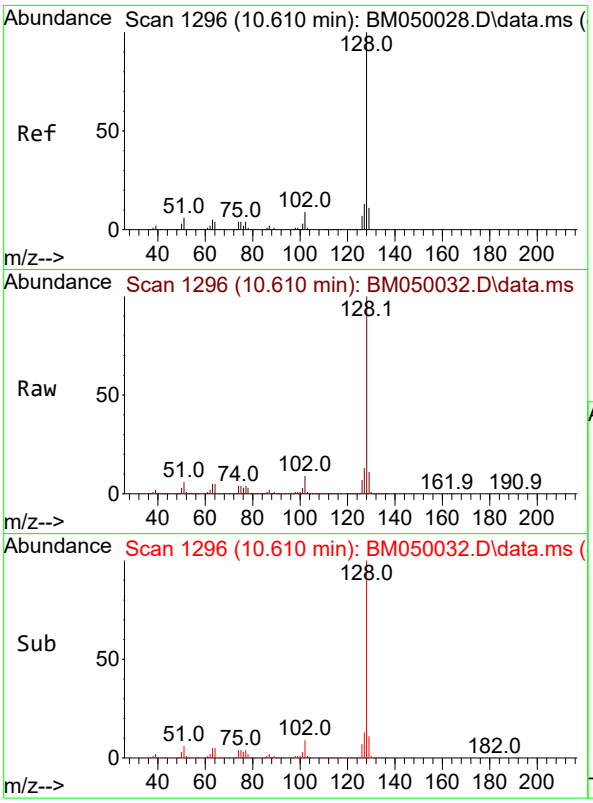


#30
1,2,4-Trichlorobenzene
Concen: 44.348 ng
RT: 10.428 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:180 Resp: 789816

Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.0	115.4
145	25.7	20.6	30.8

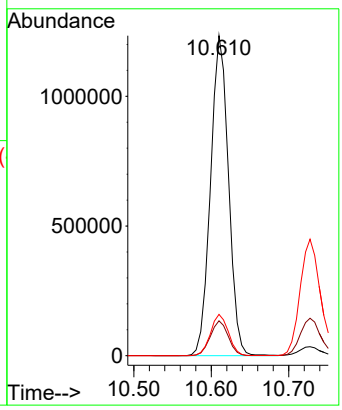




#31
Naphthalene
Concen: 44.651 ng
RT: 10.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:128 Resp: 198469

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	12.9	10.4	15.6



Instrument :
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ClientSampleId :
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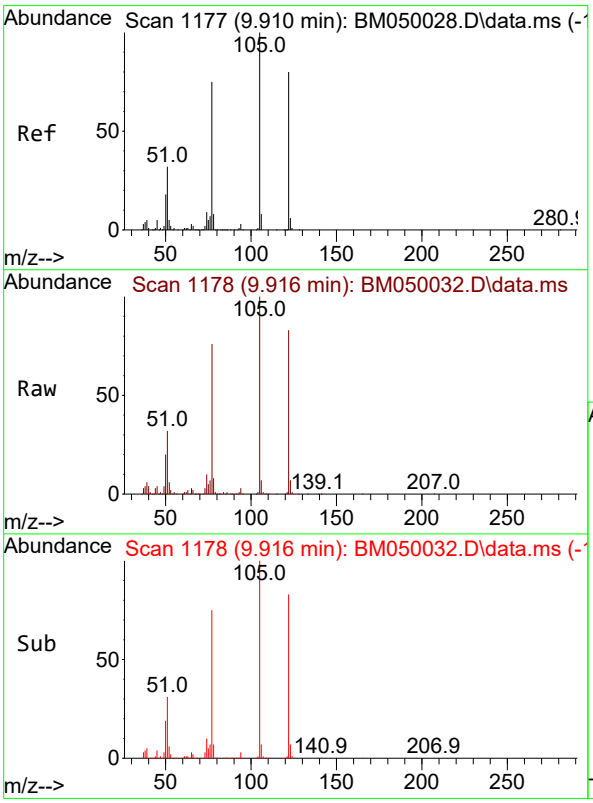
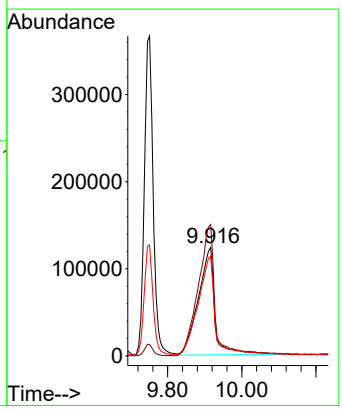
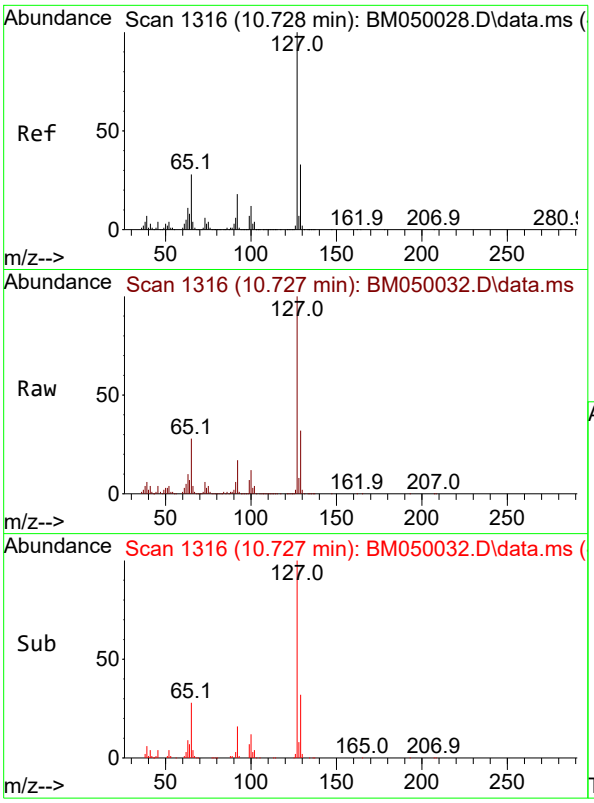


#32
Benzoic acid
Concen: 46.063 ng
RT: 9.916 min Scan# 1178
Delta R.T. 0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:122 Resp: 384400

Ion	Ratio	Lower	Upper
122	100		
105	121.1	103.6	143.6
77	91.7	73.7	113.7

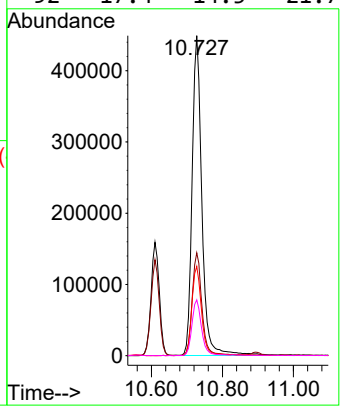




#33
4-Chloroaniline
Concen: 47.375 ng
RT: 10.727 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:127 Resp: 86311

Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.3	39.5
65	27.9	22.5	33.7
92	17.4	14.5	21.7



Instrument :
BNA_M
ClientSampleId :
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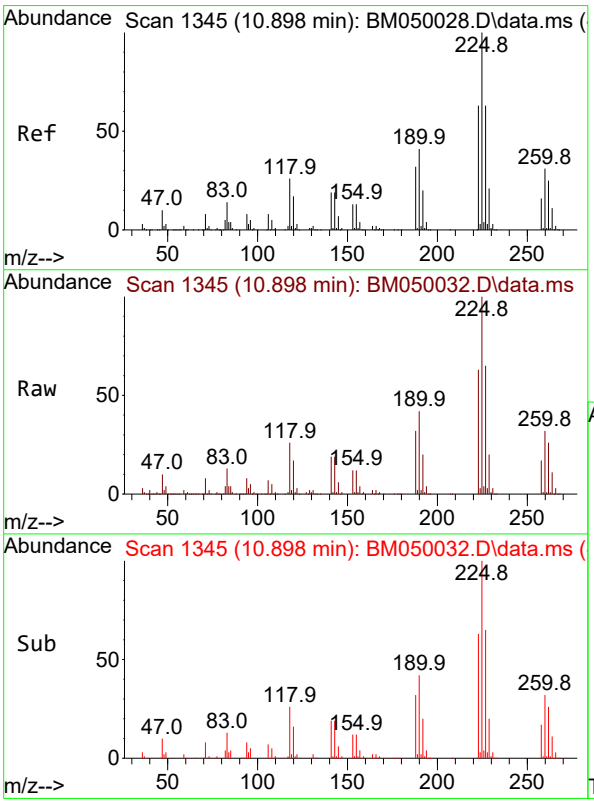
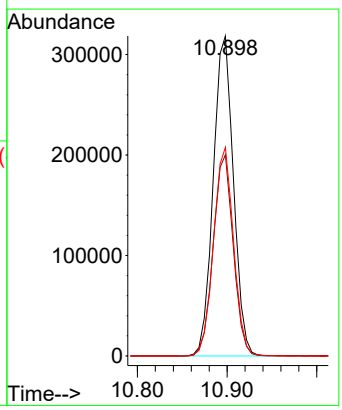
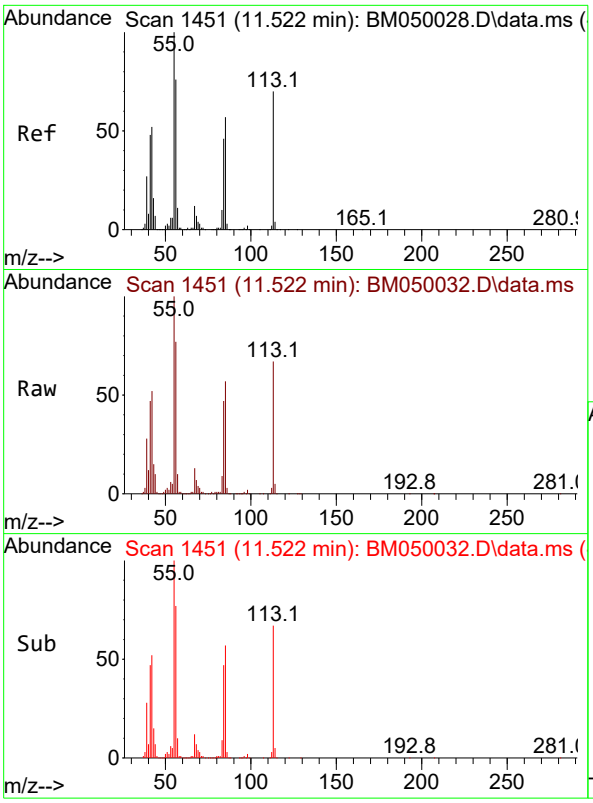


#34
Hexachlorobutadiene
Concen: 44.034 ng
RT: 10.898 min Scan# 1345
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:225 Resp: 497792

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.2	75.2
227	65.2	50.6	76.0

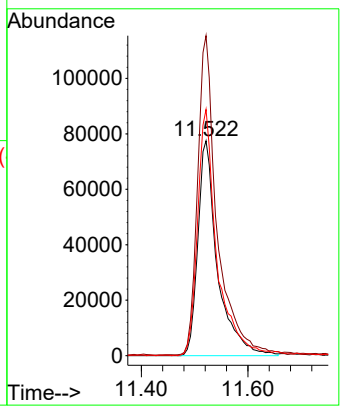




#35
Caprolactam
Concen: 46.481 ng
RT: 11.522 min Scan# 14
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:113 Resp: 19810

Ion	Ratio	Lower	Upper
113	100		
55	148.9	122.9	162.9
56	114.6	88.1	128.1



Instrument :
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ClientSampleId :
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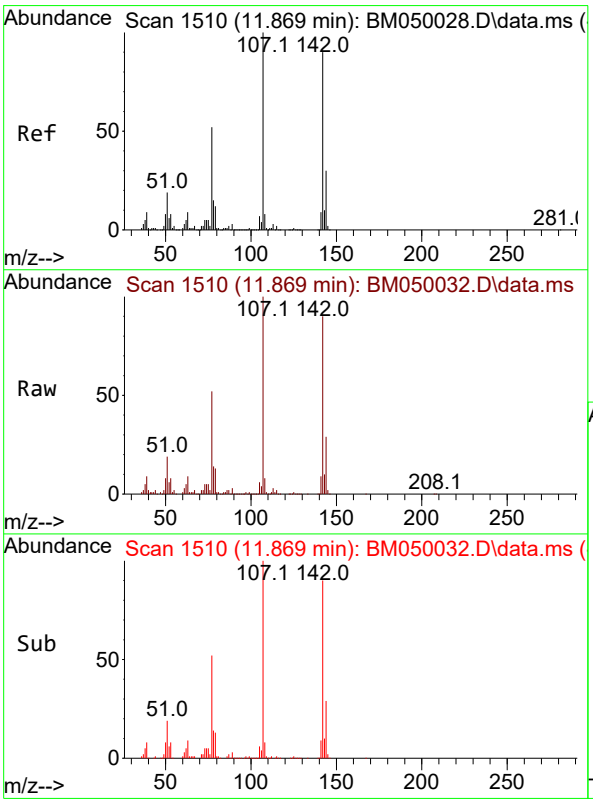
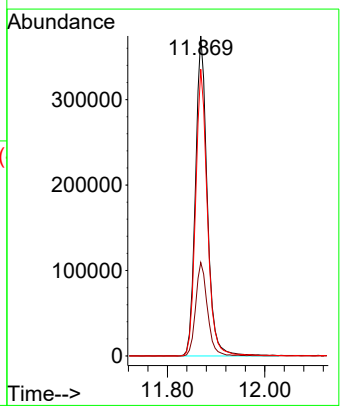
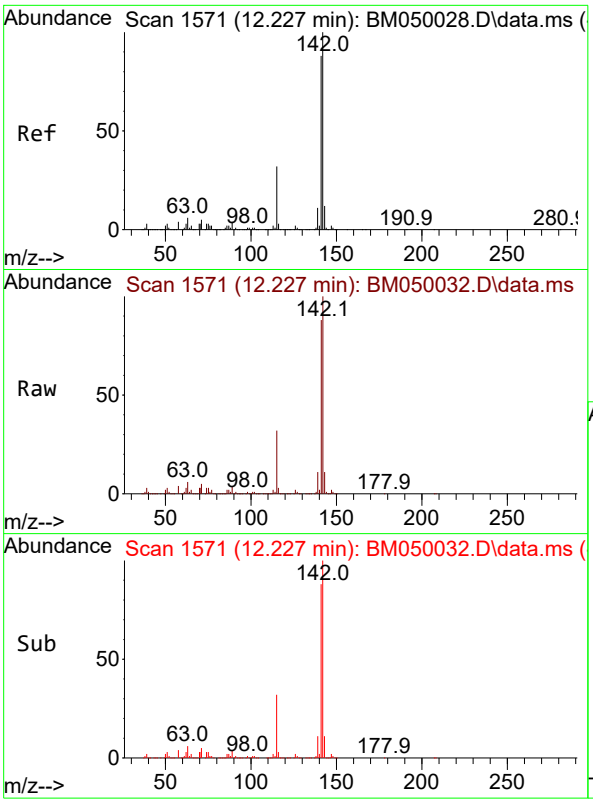


#36
4-Chloro-3-methylphenol
Concen: 46.825 ng
RT: 11.869 min Scan# 1510
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:107 Resp: 632365

Ion	Ratio	Lower	Upper
107	100		
144	29.2	23.8	35.6
142	89.6	71.9	107.9

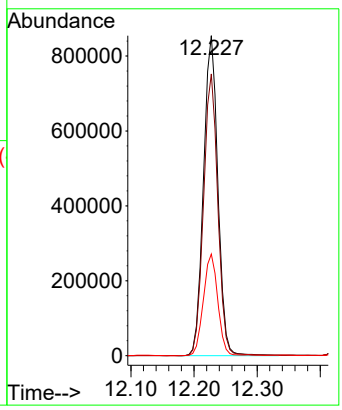




#37
2-Methylnaphthalene
Concen: 45.374 ng
RT: 12.227 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:142 Resp: 135217

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.4	105.6
115	31.8	25.4	38.2



Instrument :
BNA_M
ClientSampleId :
ICVBM042825

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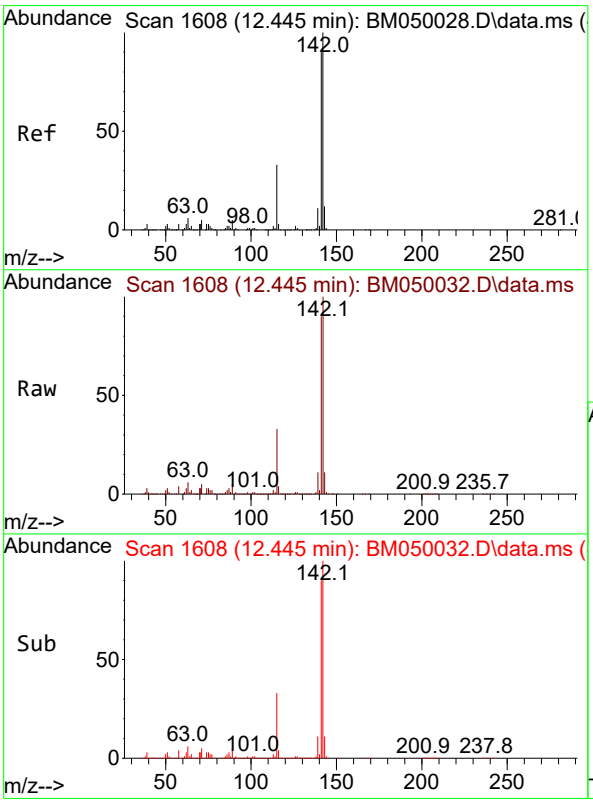
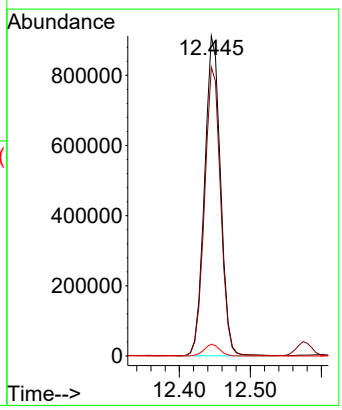
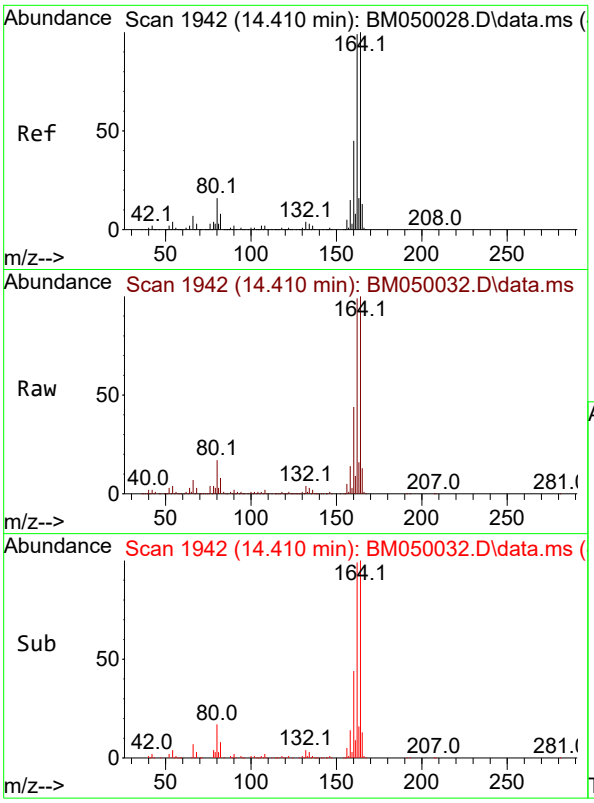


#38
1-Methylnaphthalene
Concen: 45.198 ng
RT: 12.445 min Scan# 1608
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:142 Resp: 1425407

Ion	Ratio	Lower	Upper
142	100		
141	90.3	72.1	108.1
116	3.7	2.7	4.1

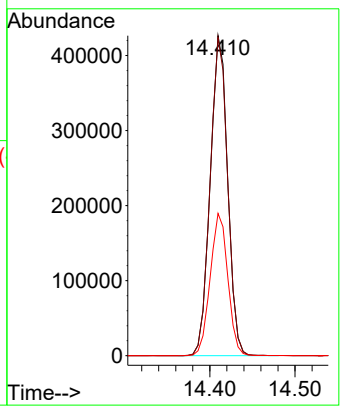




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:164 Resp: 60583

Ion	Ratio	Lower	Upper
164	100		
162	99.4	79.4	119.0
160	44.5	36.2	54.4



Instrument :
BNA_M
ClientSampleId :
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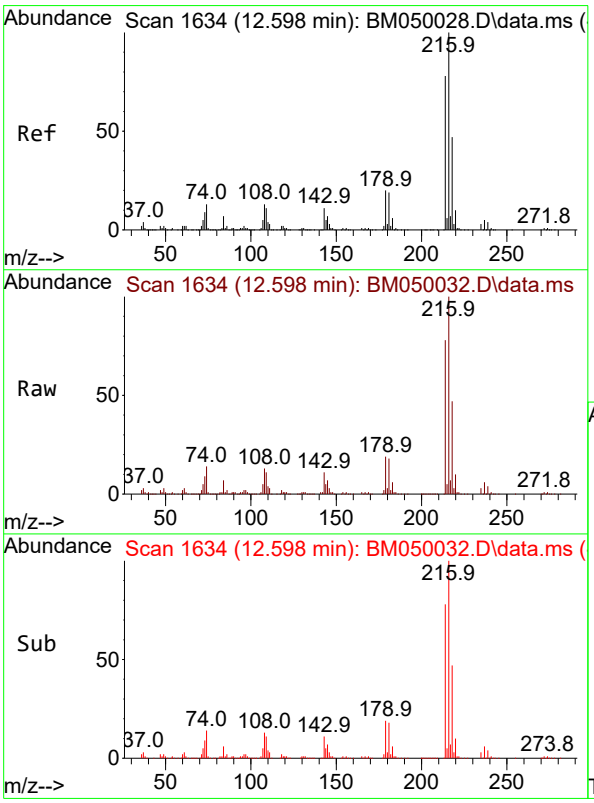
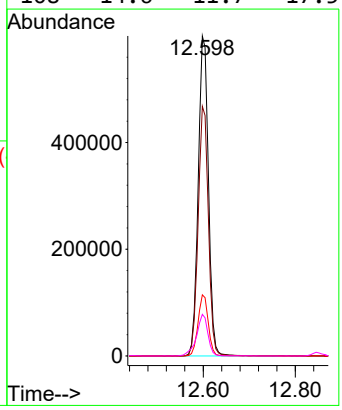
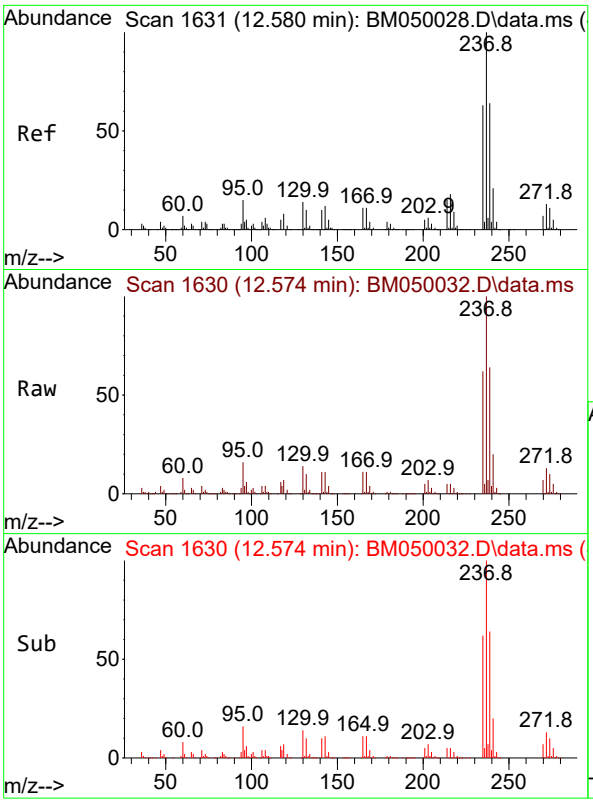


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.140 ng
RT: 12.598 min Scan# 1634
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:216 Resp: 925725

Ion	Ratio	Lower	Upper
216	100		
214	78.3	62.3	93.5
179	19.1	15.4	23.0
108	14.6	11.7	17.5

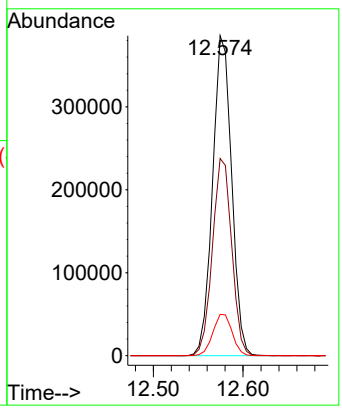




#41
Hexachlorocyclopentadiene
Concen: 44.374 ng
RT: 12.574 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:237 Resp: 56871

Ion	Ratio	Lower	Upper
237	100		
235	61.6	42.9	82.9
272	12.9	0.0	32.9



Instrument :
BNA_M
ClientSampleId :
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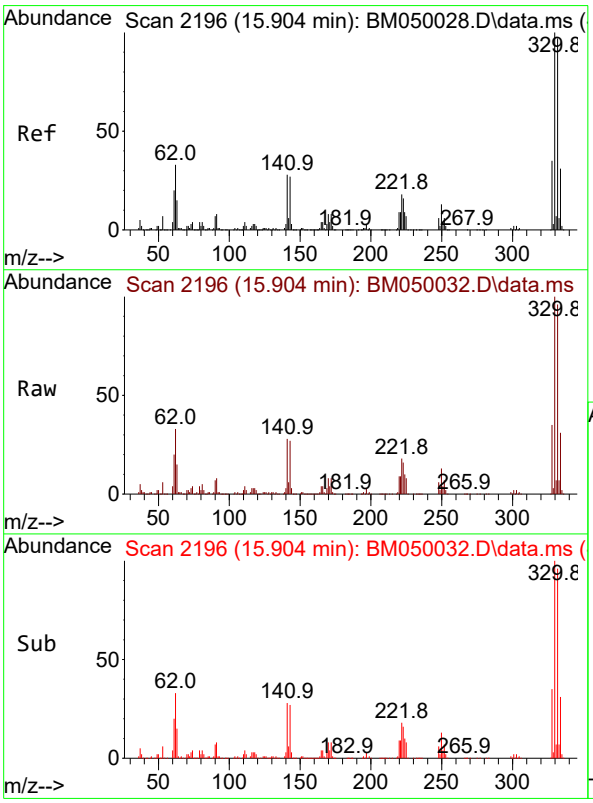
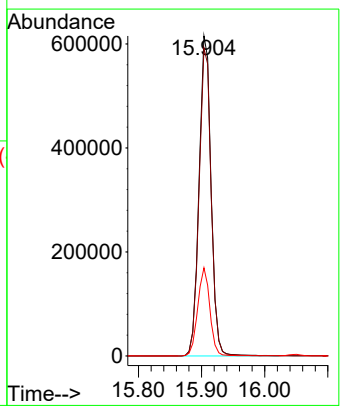
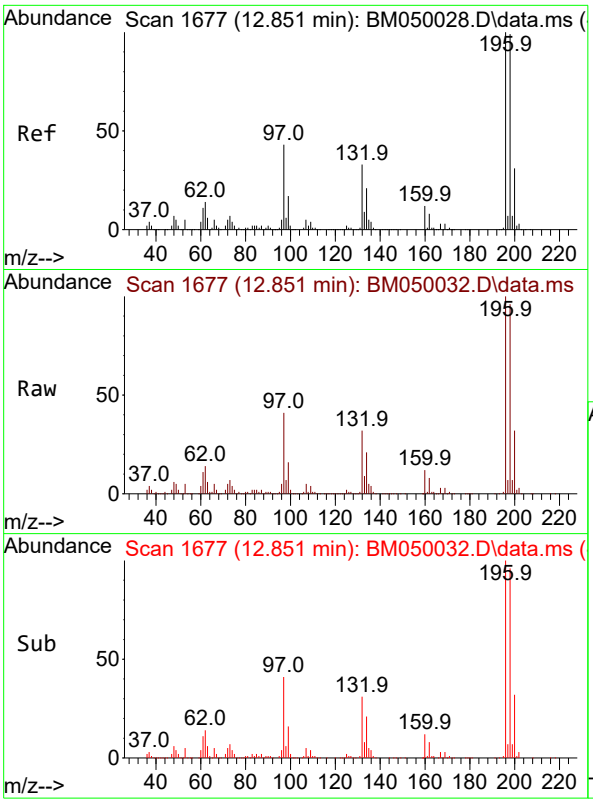


#42
2,4,6-Tribromophenol
Concen: 90.503 ng
RT: 15.904 min Scan# 2196
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:330 Resp: 810732

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.3	115.9
141	28.0	22.5	33.7

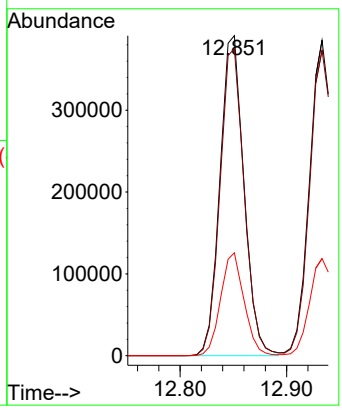




#43
2,4,6-Trichlorophenol
Concen: 46.094 ng
RT: 12.851 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:196 Resp: 61314

Ion	Ratio	Lower	Upper
196	100		
198	95.9	79.0	118.6
200	32.2	25.1	37.7



Instrument :
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ClientSampleId :
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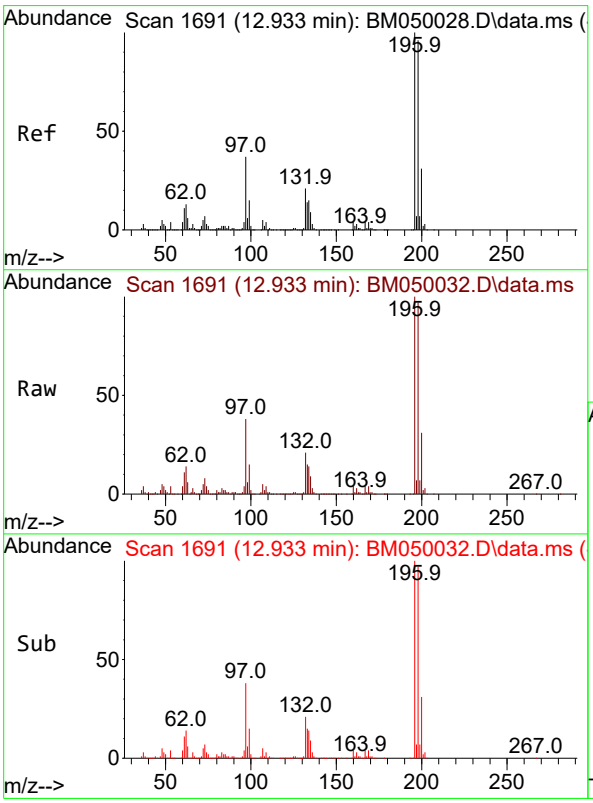
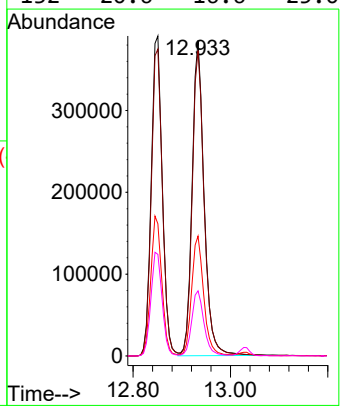
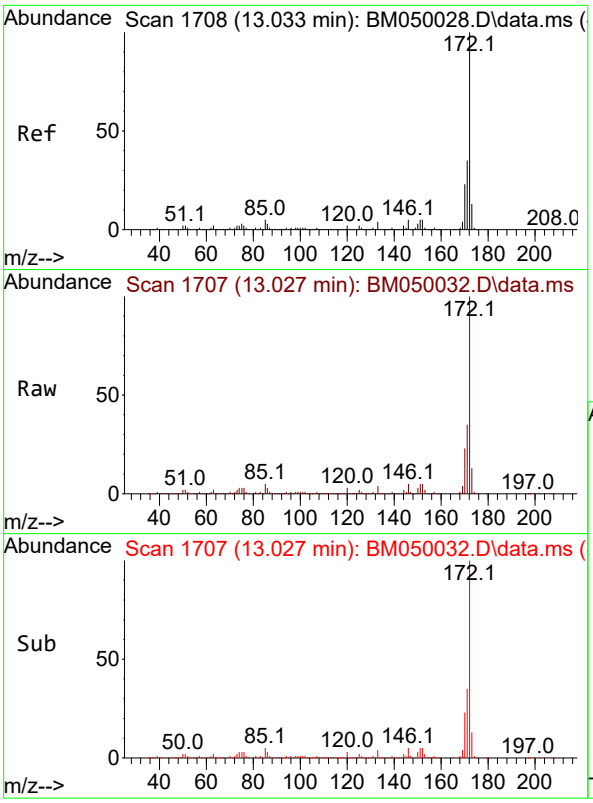


#44
2,4,5-Trichlorophenol
Concen: 46.271 ng
RT: 12.933 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:196 Resp: 663718

Ion	Ratio	Lower	Upper
196	100		
198	96.9	76.7	115.1
97	38.0	30.1	45.1
132	20.6	16.6	25.0

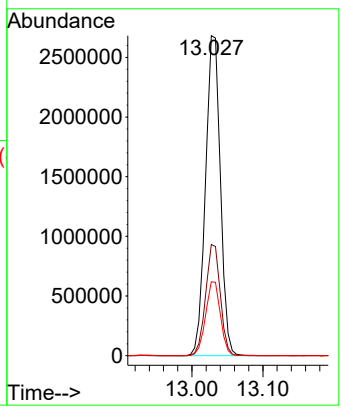




#45
2-Fluorobiphenyl
Concen: 76.259 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:172 Resp: 390538

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.8	41.6
170	23.1	18.6	28.0



Instrument :
BNA_M
ClientSampleId :
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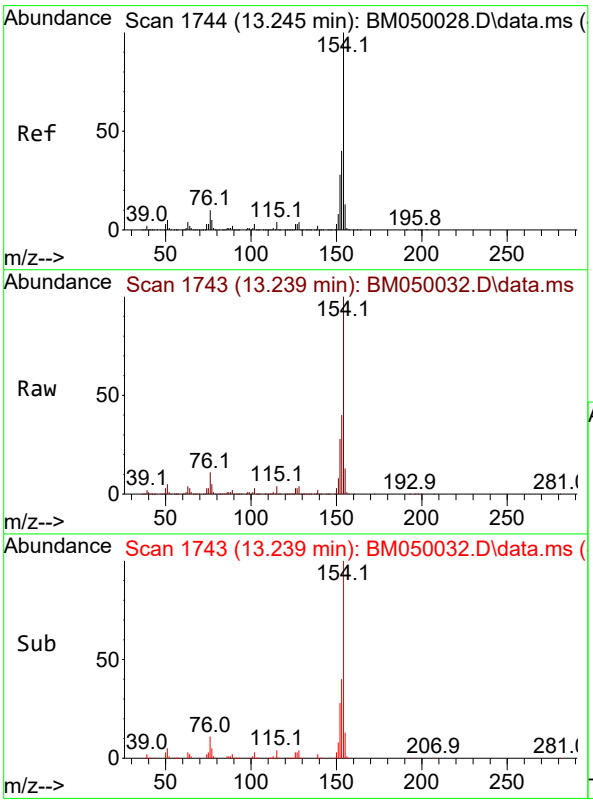
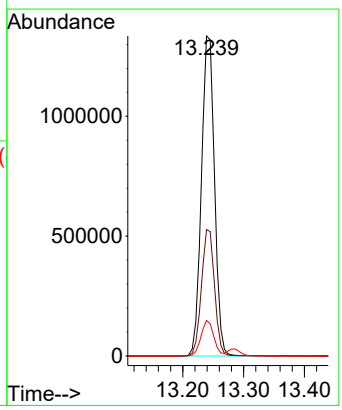
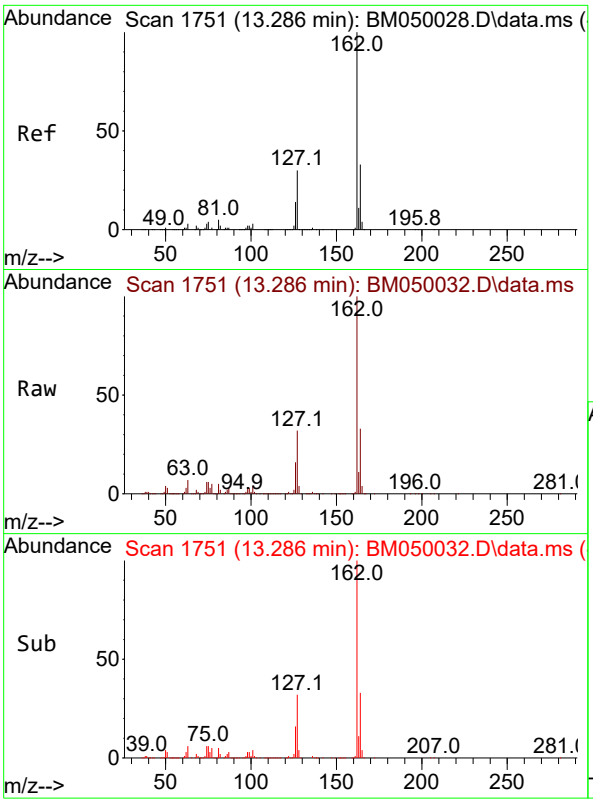


#46
1,1'-Biphenyl
Concen: 44.207 ng
RT: 13.239 min Scan# 1743
Delta R.T. -0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:154 Resp: 1990852

Ion	Ratio	Lower	Upper
154	100		
153	39.5	20.0	60.0
76	11.1	0.0	30.3

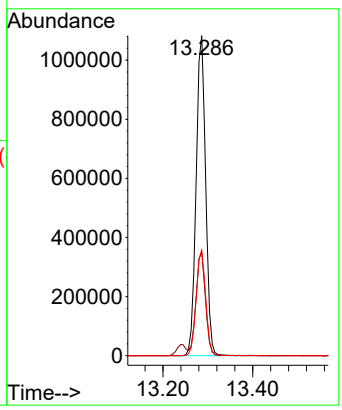




#47
2-Chloronaphthalene
Concen: 44.684 ng
RT: 13.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:162 Resp: 159376

Ion	Ratio	Lower	Upper
162	100		
127	32.2	25.9	38.9
164	33.0	26.6	40.0



Instrument :
BNA_M
ClientSampleId :
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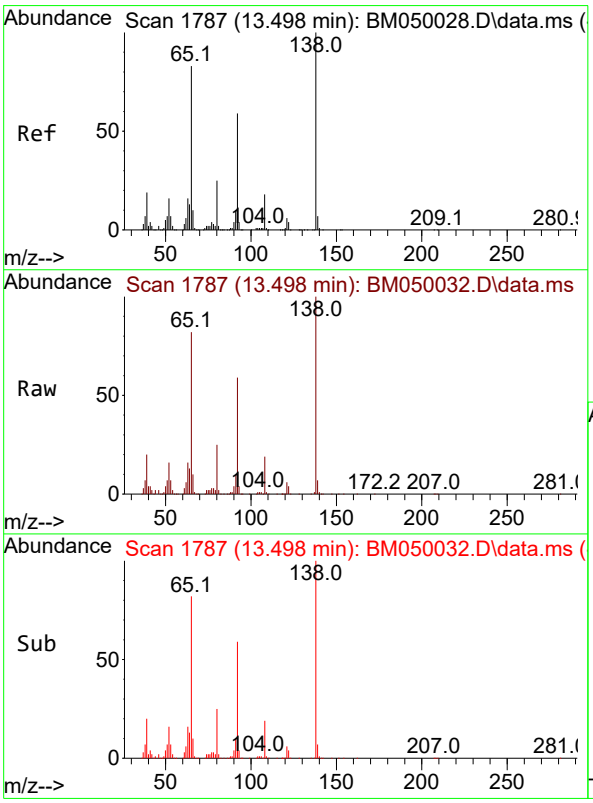
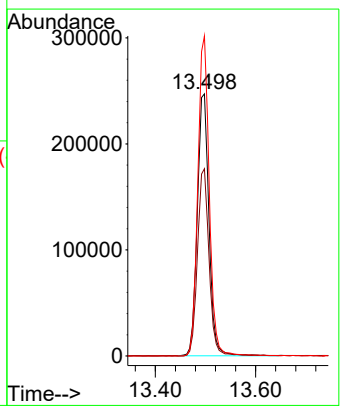
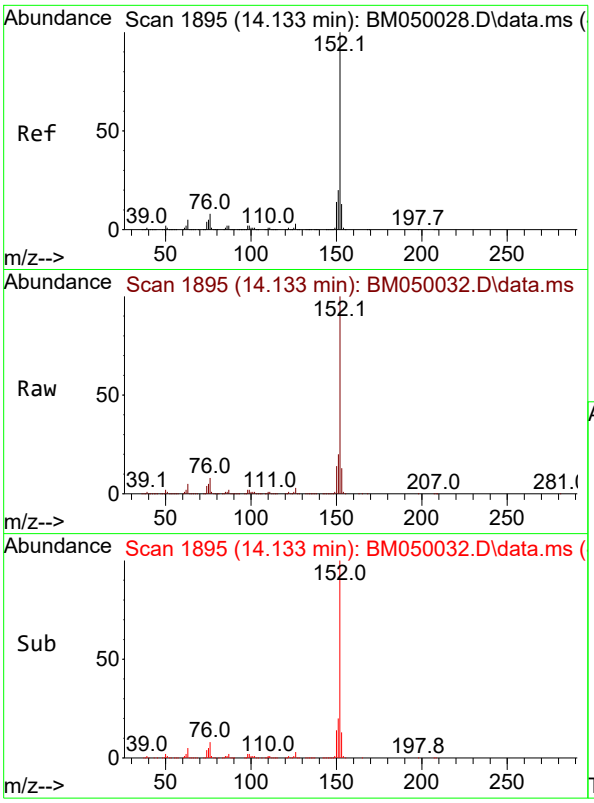


#48
2-Nitroaniline
Concen: 47.621 ng
RT: 13.498 min Scan# 1787
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion: 65 Resp: 398645

Ion	Ratio	Lower	Upper
65	100		
92	71.5	57.1	85.7
138	122.1	97.0	145.4

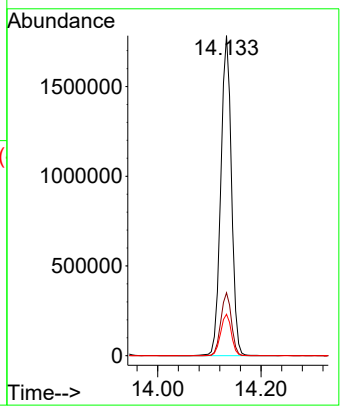




#49
Acenaphthylene
Concen: 45.315 ng
RT: 14.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:152 Resp: 254834

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.8
153	13.0	10.6	15.8



Instrument :
BNA_M
ClientSampleId :
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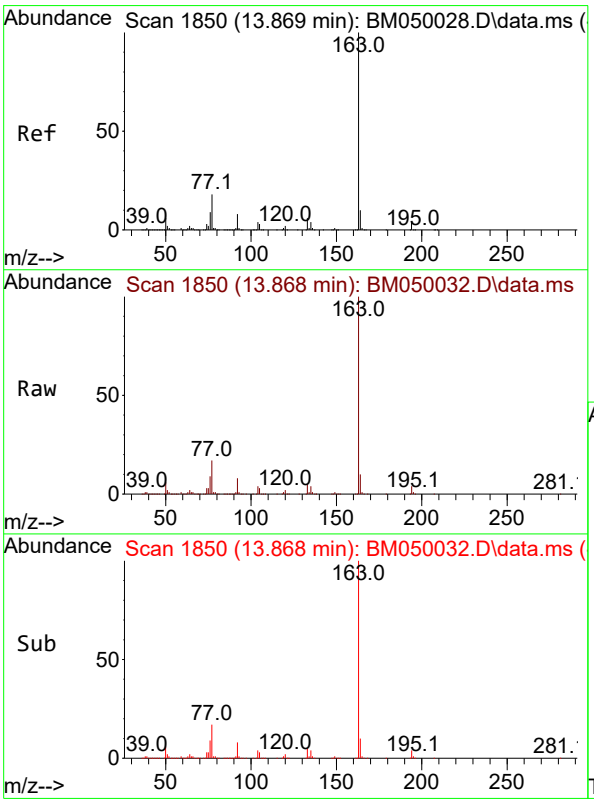
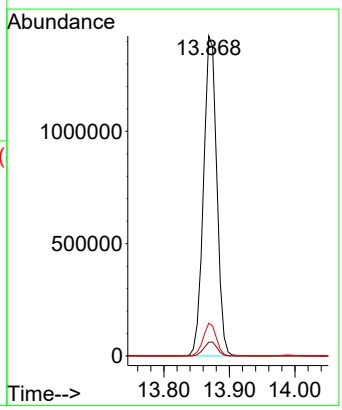
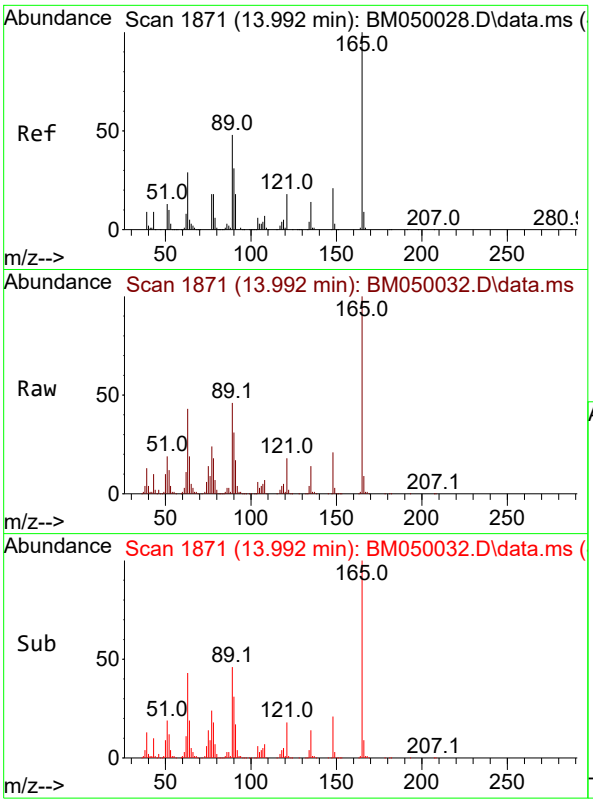


#50
Dimethylphthalate
Concen: 45.338 ng
RT: 13.868 min Scan# 1850
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:163 Resp: 2007342

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.2	8.2	12.2

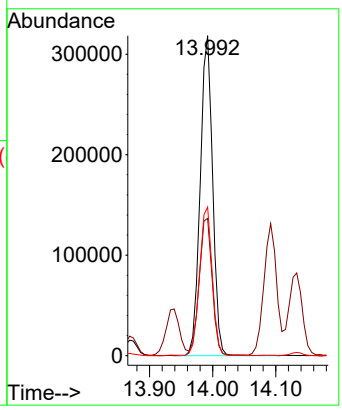




#51
2,6-Dinitrotoluene
Concen: 47.554 ng
RT: 13.992 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:165 Resp: 43592

Ion	Ratio	Lower	Upper
165	100		
63	42.9	35.1	52.7
89	46.4	38.4	57.6



Instrument :
BNA_M
ClientSampleId :
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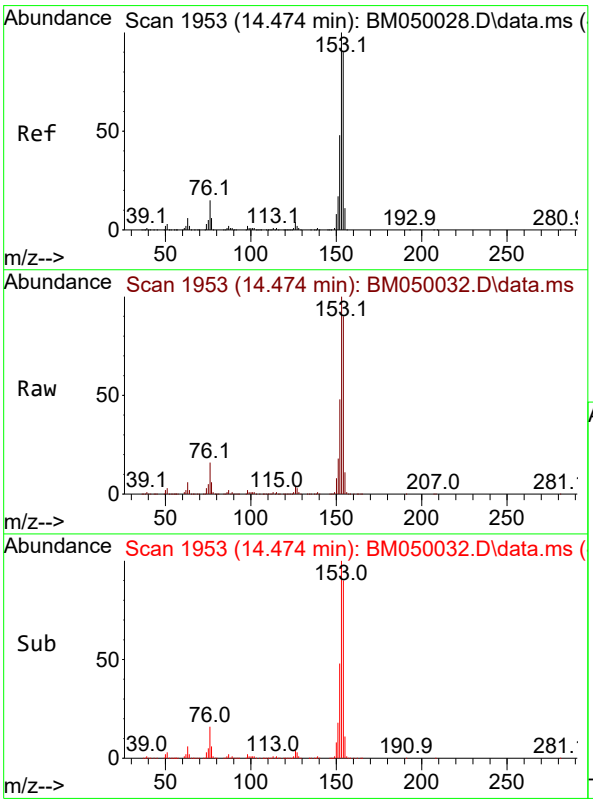
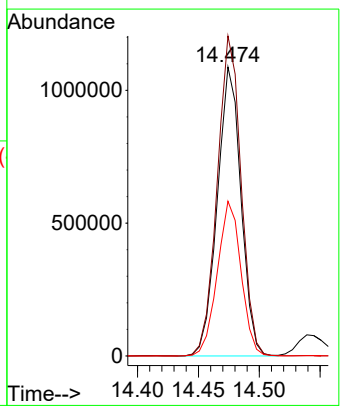
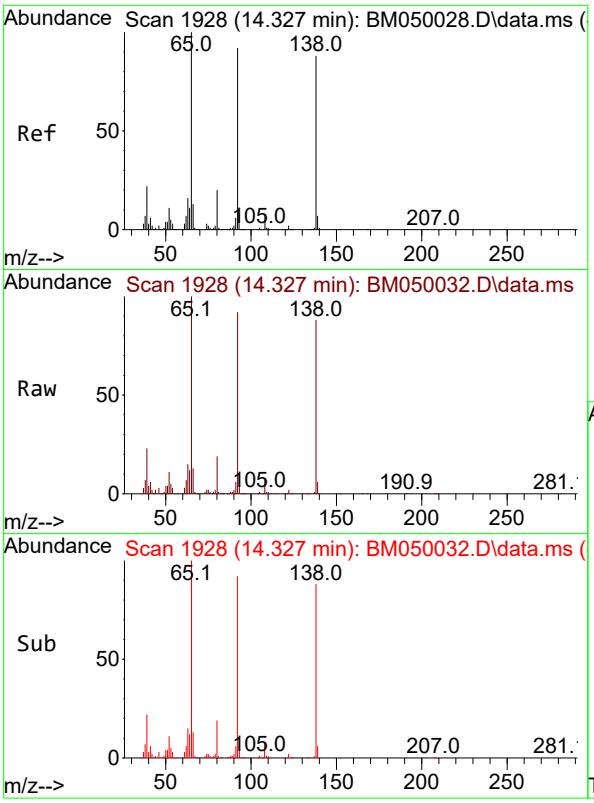


#52
Acenaphthene
Concen: 45.210 ng
RT: 14.474 min Scan# 1953
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:154 Resp: 1471672

Ion	Ratio	Lower	Upper
154	100		
153	110.7	89.0	133.4
152	53.5	43.0	64.6

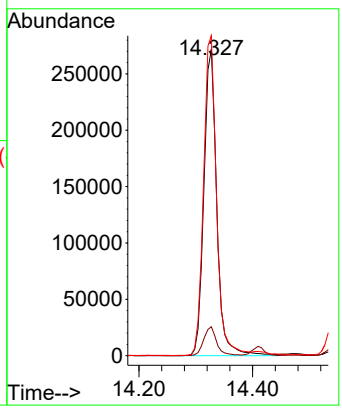




#53
3-Nitroaniline
Concen: 48.843 ng
RT: 14.327 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:138 Resp: 42746

Ion	Ratio	Lower	Upper
138	100		
108	9.5	7.4	11.2
92	104.5	84.0	126.0



Instrument :
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ClientSampleId :
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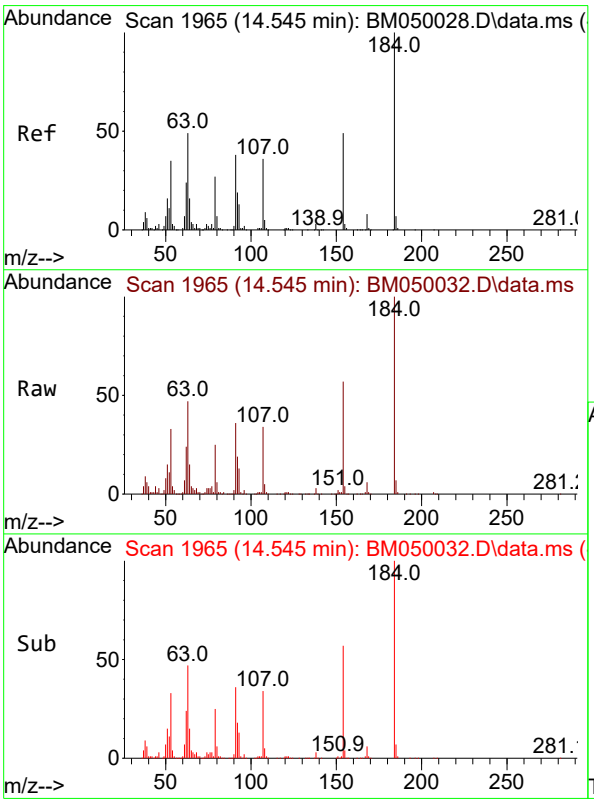
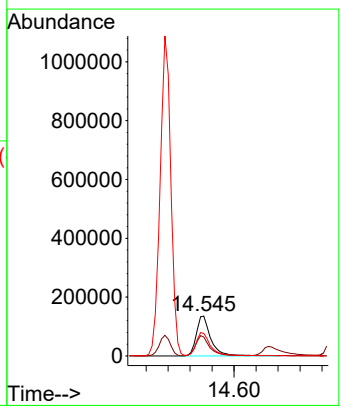
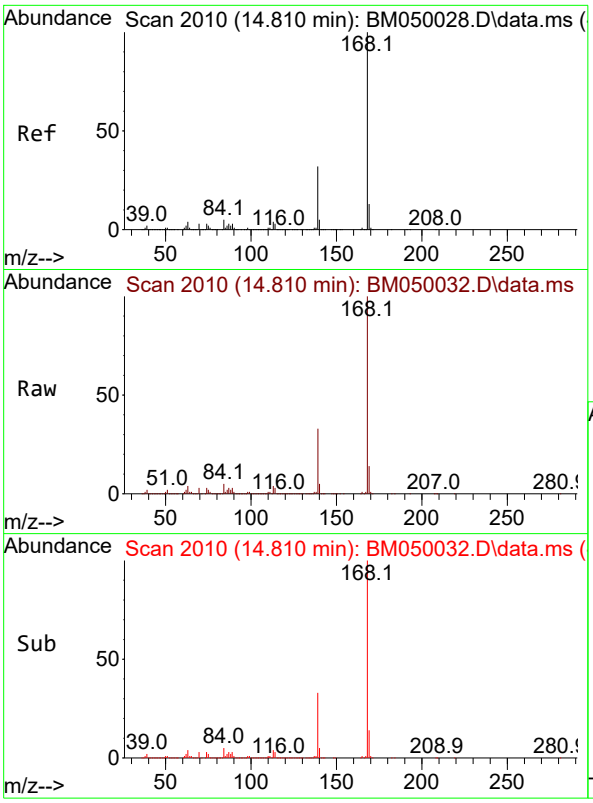


#54
2,4-Dinitrophenol
Concen: 45.189 ng
RT: 14.545 min Scan# 1965
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:184 Resp: 249307

Ion	Ratio	Lower	Upper
184	100		
63	47.3	39.8	59.6
154	56.7	46.1	69.1

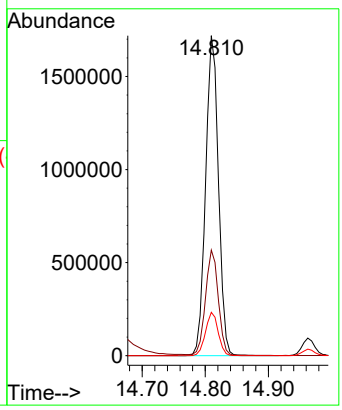




#55
Dibenzofuran
Concen: 44.828 ng
RT: 14.810 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:168 Resp: 242783

Ion	Ratio	Lower	Upper
168	100		
139	33.0	26.1	39.1
169	13.5	10.8	16.2



Instrument :
BNA_M
ClientSampleId :
ICVBM042825

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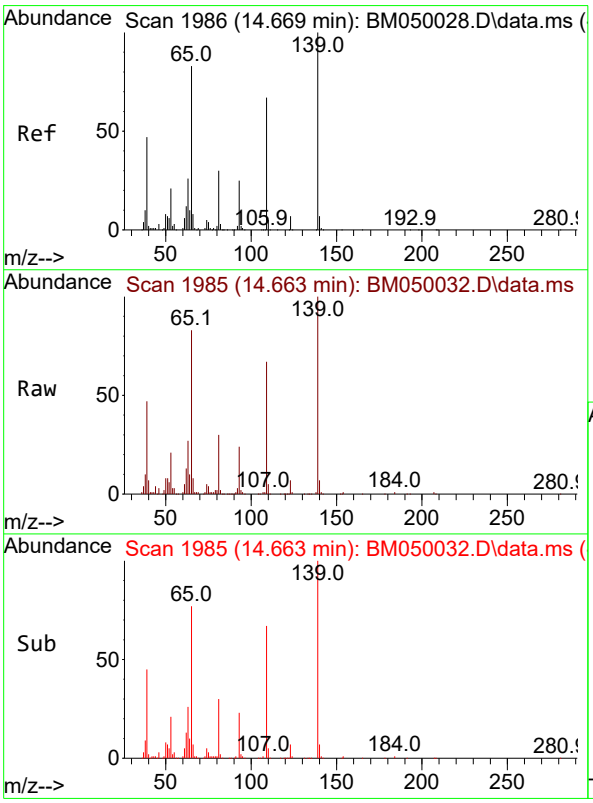
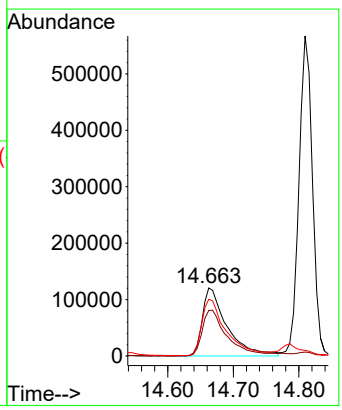
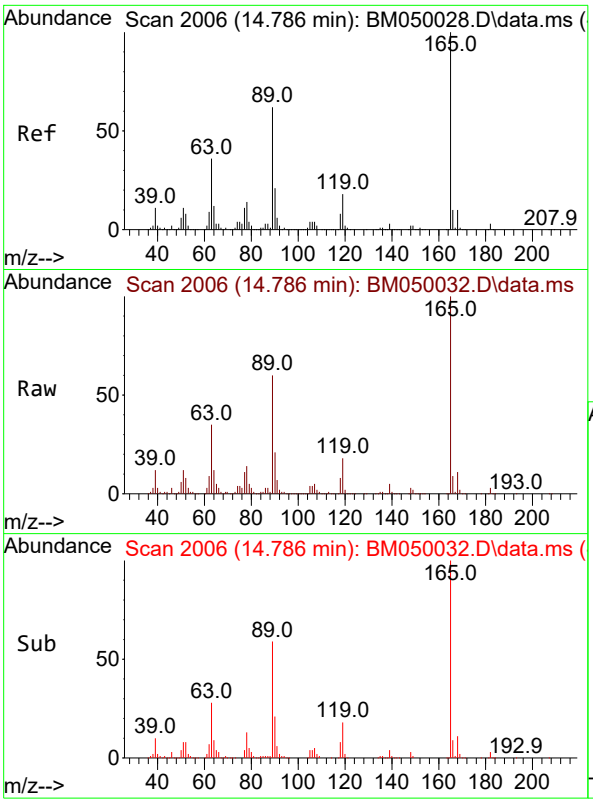


#56
4-Nitrophenol
Concen: 46.012 ng
RT: 14.663 min Scan# 1985
Delta R.T. -0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:139 Resp: 313065

Ion	Ratio	Lower	Upper
139	100		
109	66.8	47.0	87.0
65	83.4	64.3	104.3

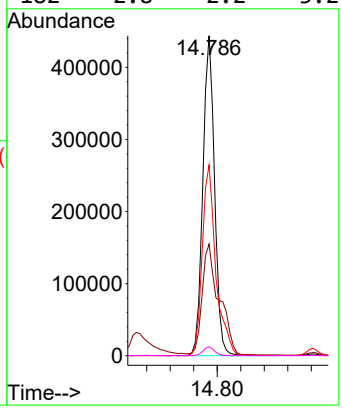




#57
2,4-Dinitrotoluene
Concen: 48.311 ng
RT: 14.786 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:165 Resp: 61194

Ion	Ratio	Lower	Upper
165	100		
63	34.9	29.0	43.6
89	59.6	49.4	74.2
182	2.8	2.2	3.2



Instrument :
BNA_M
ClientSampleId :
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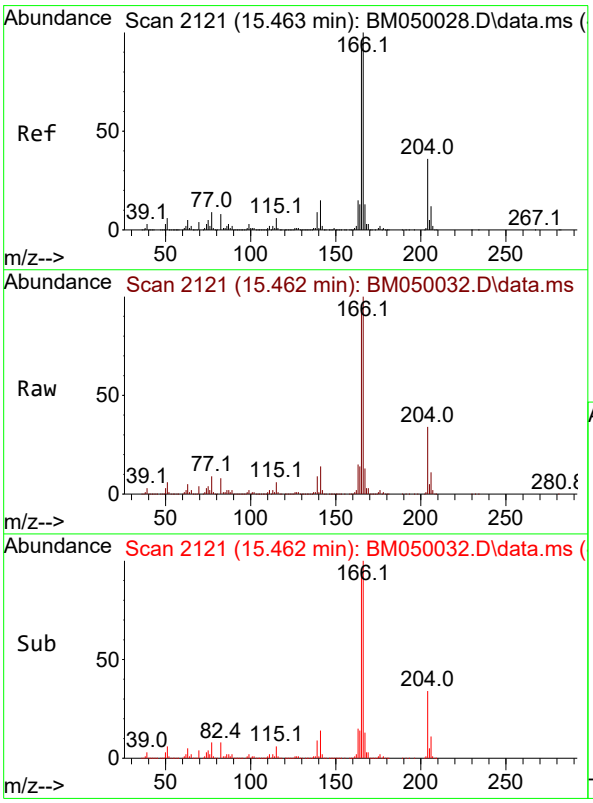
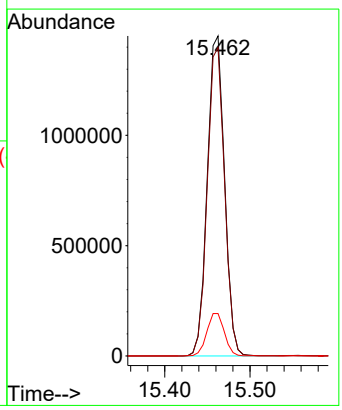
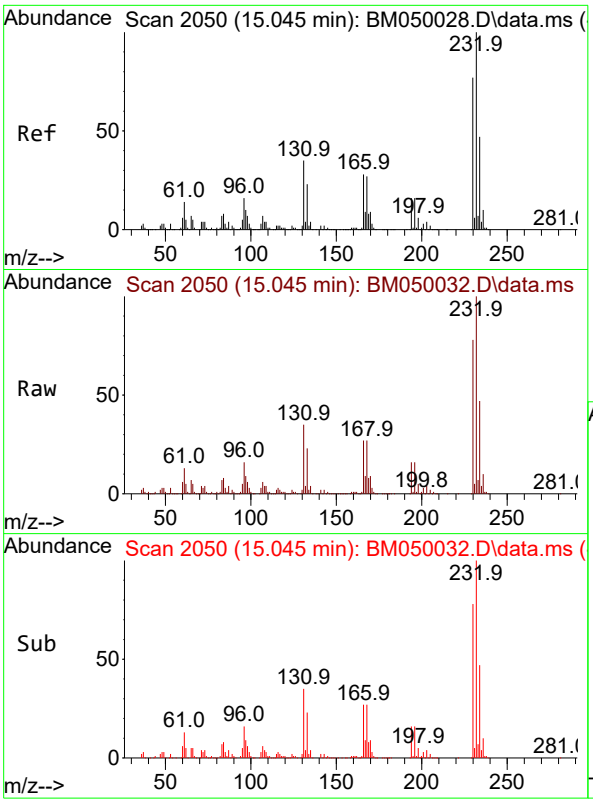


#58
Fluorene
Concen: 46.115 ng
RT: 15.462 min Scan# 2121
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:166 Resp: 2044284

Ion	Ratio	Lower	Upper
166	100		
165	96.4	76.6	115.0
167	13.3	10.6	16.0

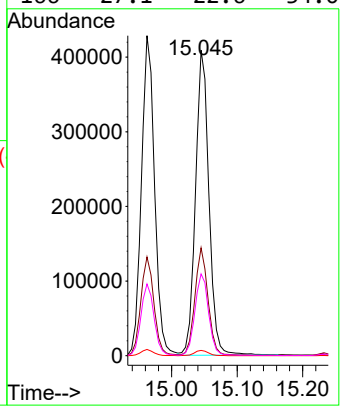




#59
2,3,4,6-Tetrachlorophenol
Concen: 46.970 ng
RT: 15.045 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:232 Resp: 583198

Ion	Ratio	Lower	Upper
232	100		
131	34.5	28.2	42.4
130	1.8	1.5	2.3
166	27.1	22.6	34.0



Instrument :
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ClientSampleId :
ICVBM042825

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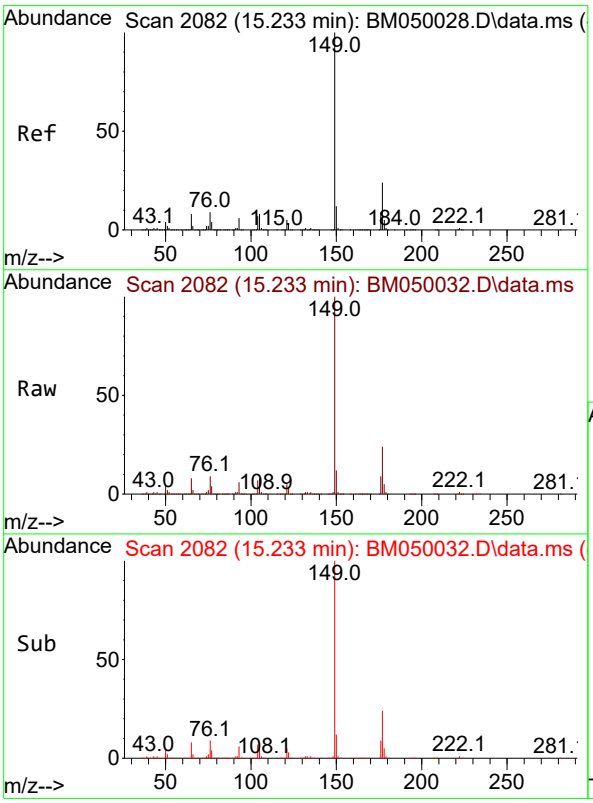
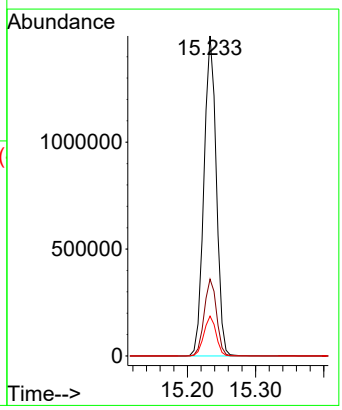
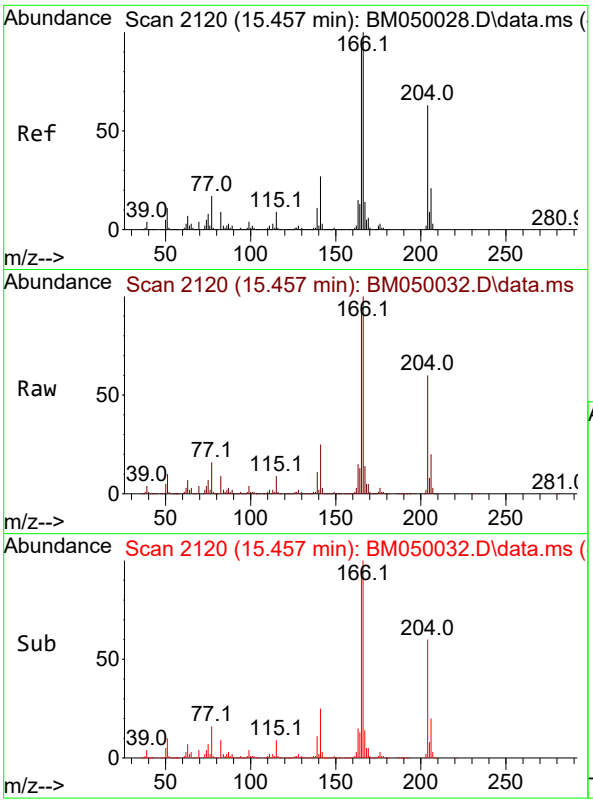


#60
Diethylphthalate
Concen: 45.299 ng
RT: 15.233 min Scan# 2082
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:149 Resp: 1889827

Ion	Ratio	Lower	Upper
149	100		
177	24.0	19.1	28.7
150	12.4	9.6	14.4





#61
4-Chlorophenyl-phenylether
Concen: 45.950 ng
RT: 15.457 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:204 Resp: 111883

Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.3	39.5
141	41.1	34.0	51.0

Instrument :
BNA_M
ClientSampleId :
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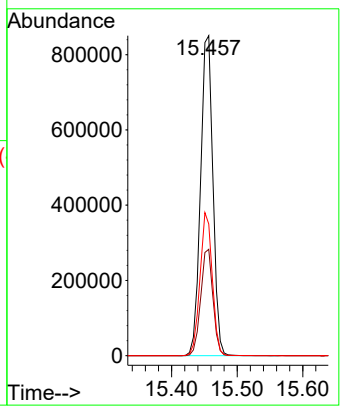
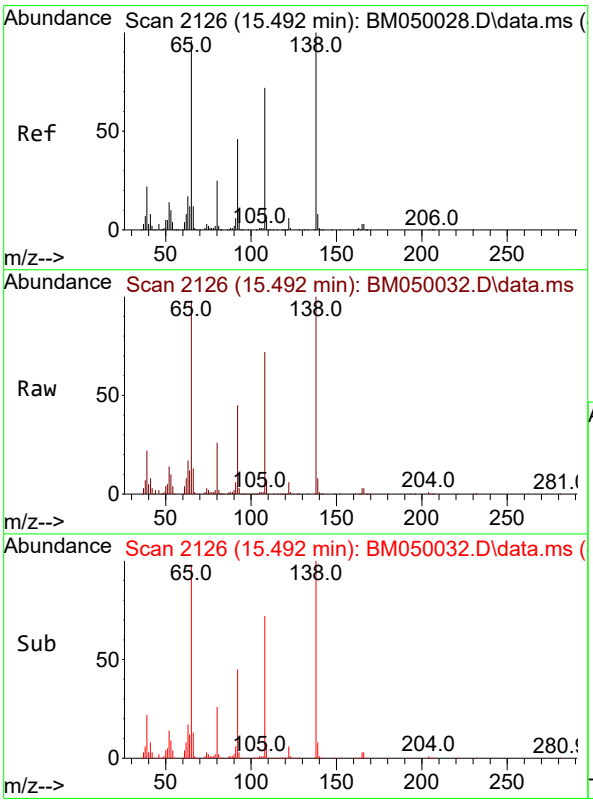
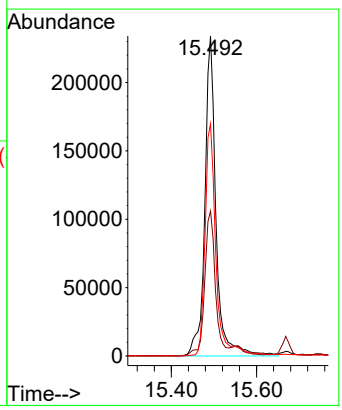


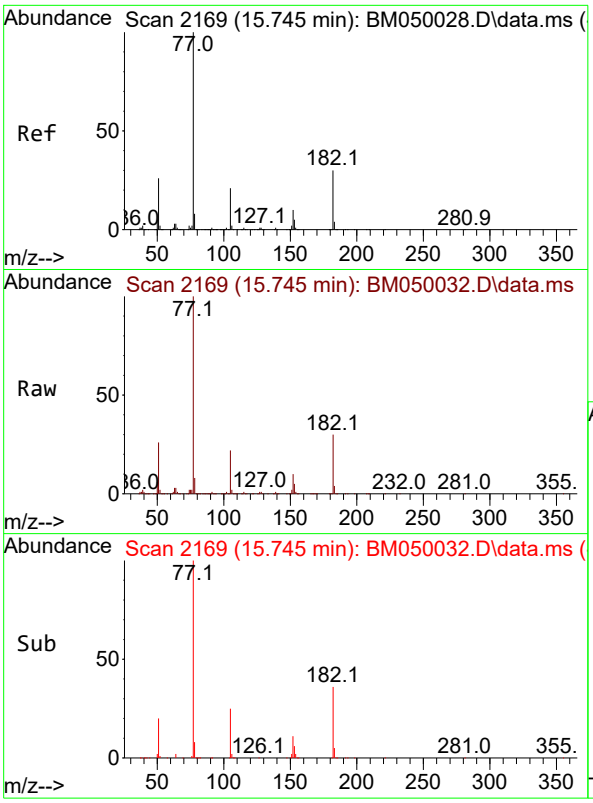


#62
4-Nitroaniline
Concen: 50.610 ng
RT: 15.492 min Scan# 2126
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:138 Resp: 427339

Ion	Ratio	Lower	Upper
138	100		
92	45.3	25.9	65.9
108	72.5	52.4	92.4

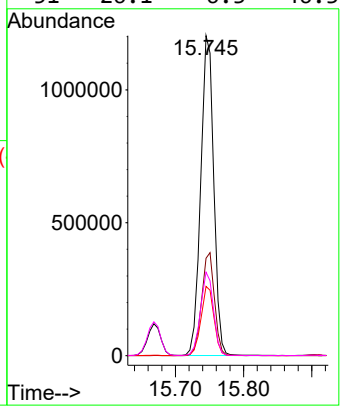




#63
Azobenzene
Concen: 45.747 ng
RT: 15.745 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion: 77 Resp: 159948

Ion	Ratio	Lower	Upper
77	100		
182	30.5	10.5	50.5
105	21.6	1.1	41.1
51	26.1	6.3	46.3



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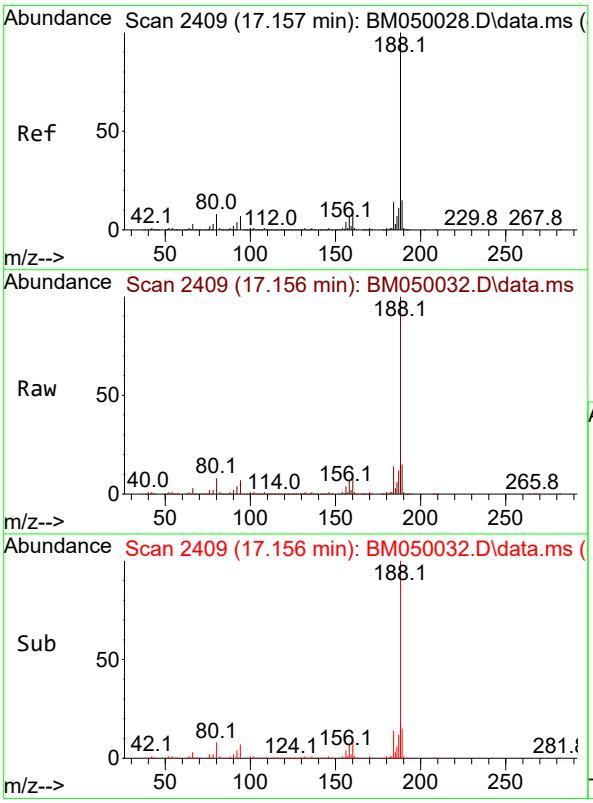
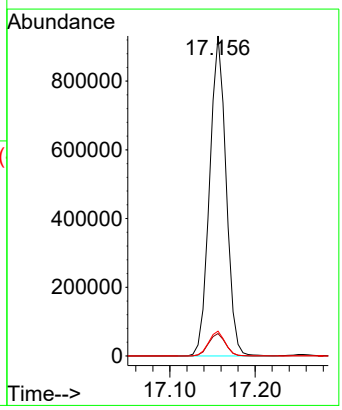
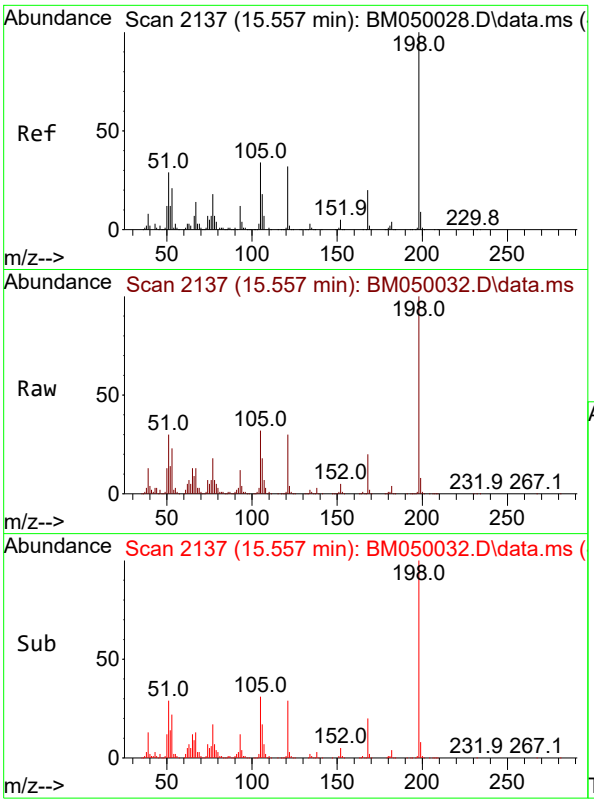


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.156 min Scan# 2409
Delta R.T. -0.001 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:188 Resp: 1251563

Ion	Ratio	Lower	Upper
188	100		
94	7.0	5.7	8.5
80	7.7	6.2	9.4





#65
4,6-Dinitro-2-methylphenol
Concen: 46.920 ng
RT: 15.557 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:198 Resp: 36758

Ion	Ratio	Lower	Upper
198	100		
51	29.9	10.4	50.4
105	32.3	14.6	54.6

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

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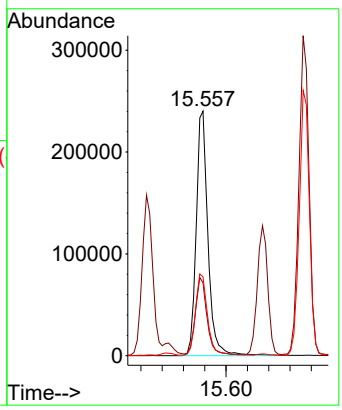
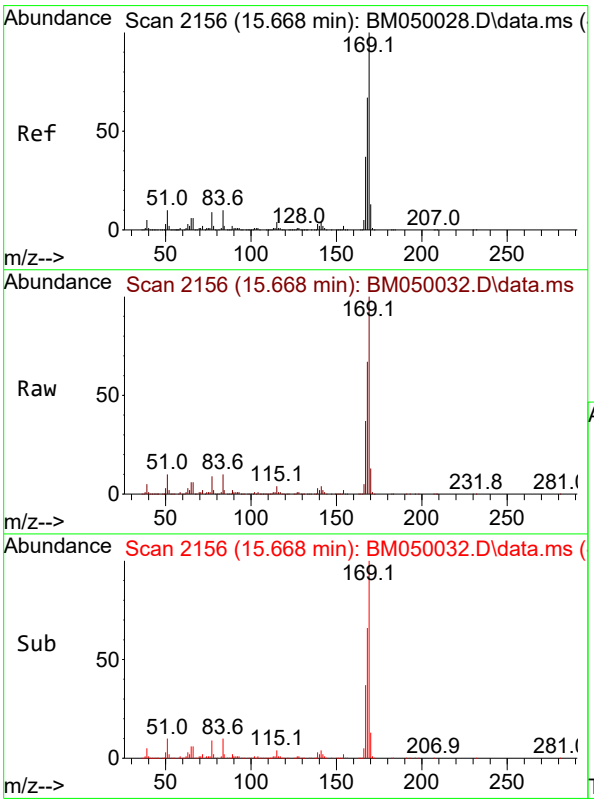
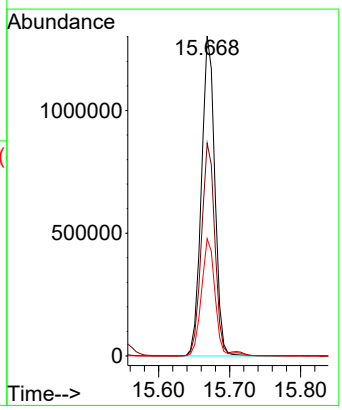


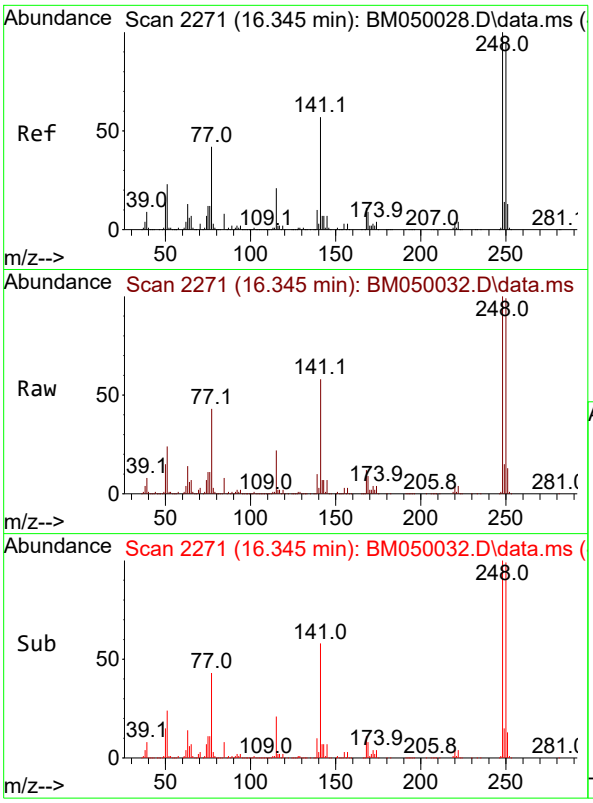


#66
n-Nitrosodiphenylamine
Concen: 44.485 ng
RT: 15.668 min Scan# 2156
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:169 Resp: 1709666

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.4	80.2
167	36.6	29.4	44.0

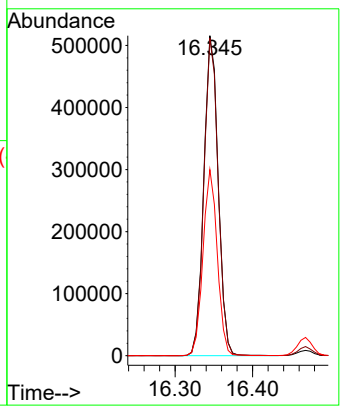




#67
4-Bromophenyl-phenylether
Concen: 43.944 ng
RT: 16.345 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:248 Resp: 66508

Ion	Ratio	Lower	Upper
248	100		
250	99.3	76.2	114.2
141	58.1	45.9	68.9



Instrument :
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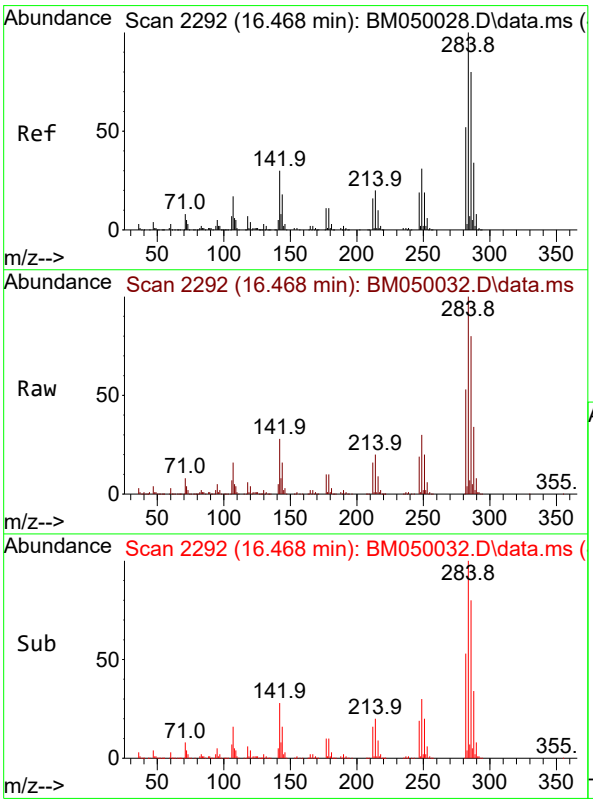
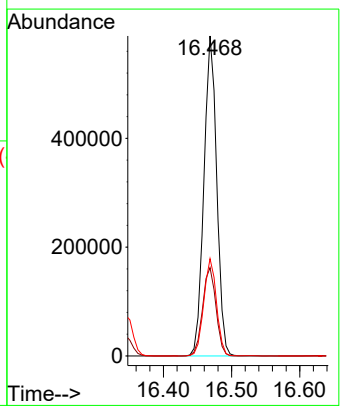
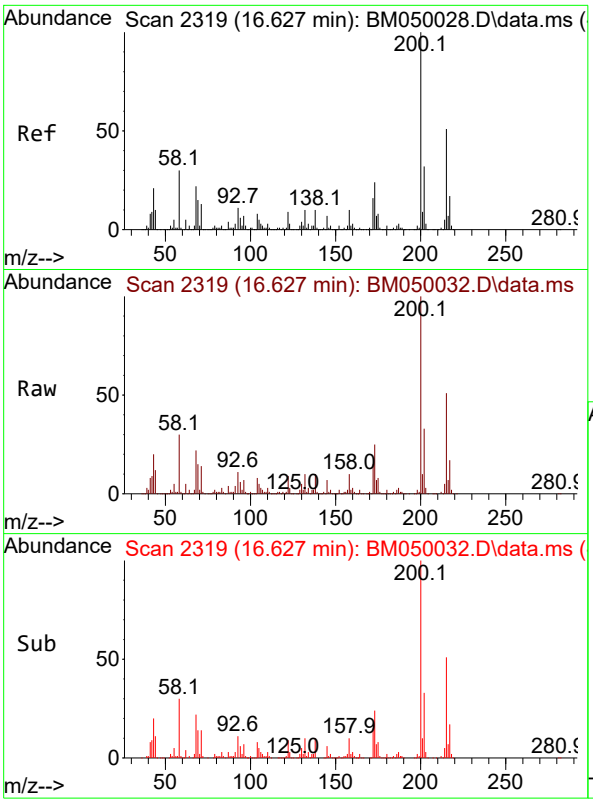


#68
Hexachlorobenzene
Concen: 44.174 ng
RT: 16.468 min Scan# 2292
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:284 Resp: 770651

Ion	Ratio	Lower	Upper
284	100		
142	27.6	23.9	35.9
249	30.4	24.5	36.7





#69
Atrazine
Concen: 44.483 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:200 Resp: 61667

Ion	Ratio	Lower	Upper
200	100		
173	24.7	4.3	44.3
215	51.1	30.6	70.6

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

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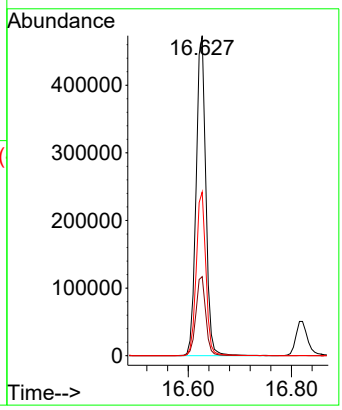
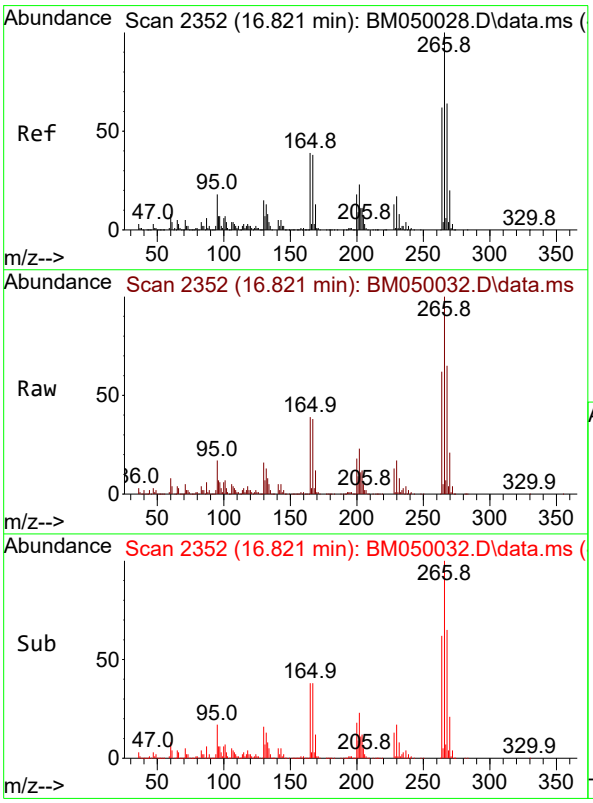
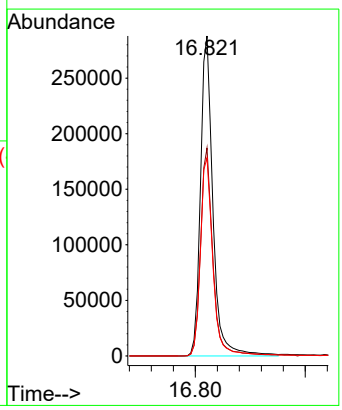


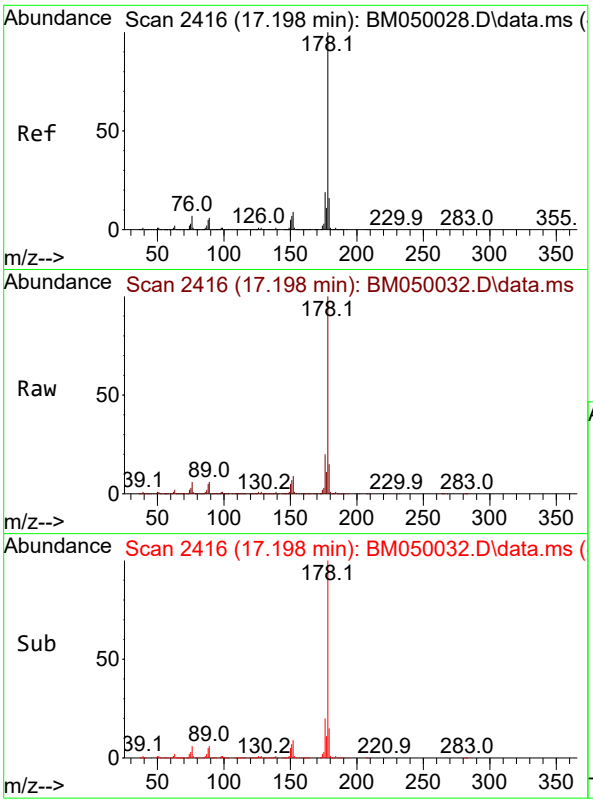


#70
Pentachlorophenol
Concen: 46.059 ng
RT: 16.821 min Scan# 2352
Delta R.T. 0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:266 Resp: 452303

Ion	Ratio	Lower	Upper
266	100		
268	64.9	51.2	76.8
264	61.9	49.6	74.4

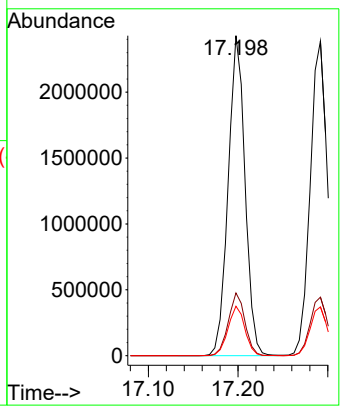




#71
Phenanthrene
Concen: 44.895 ng
RT: 17.198 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:178 Resp: 316914

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.3	22.9
179	15.4	12.4	18.6



Instrument :
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ClientSampleId :
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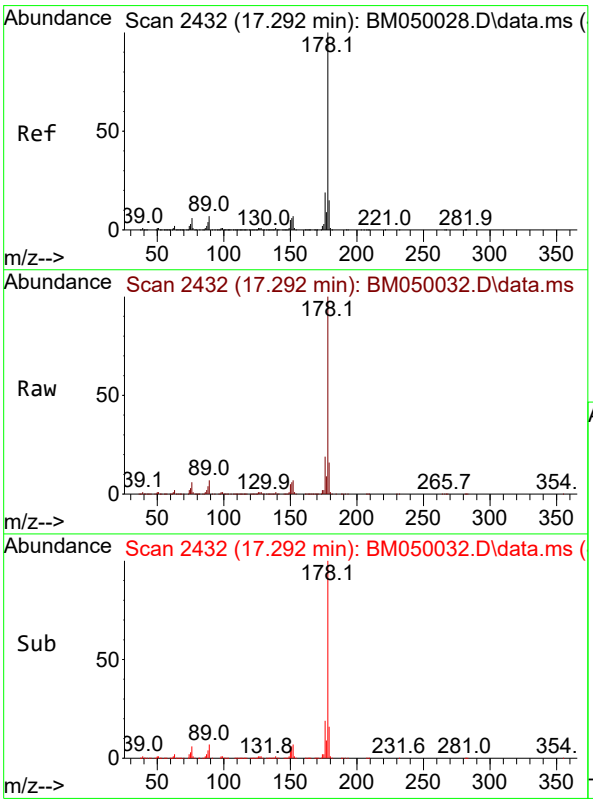
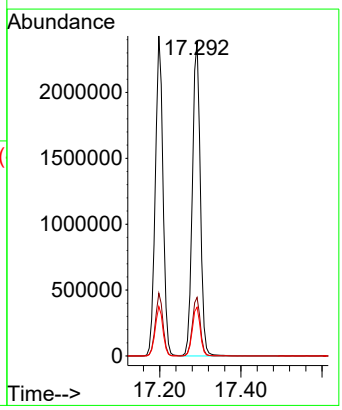
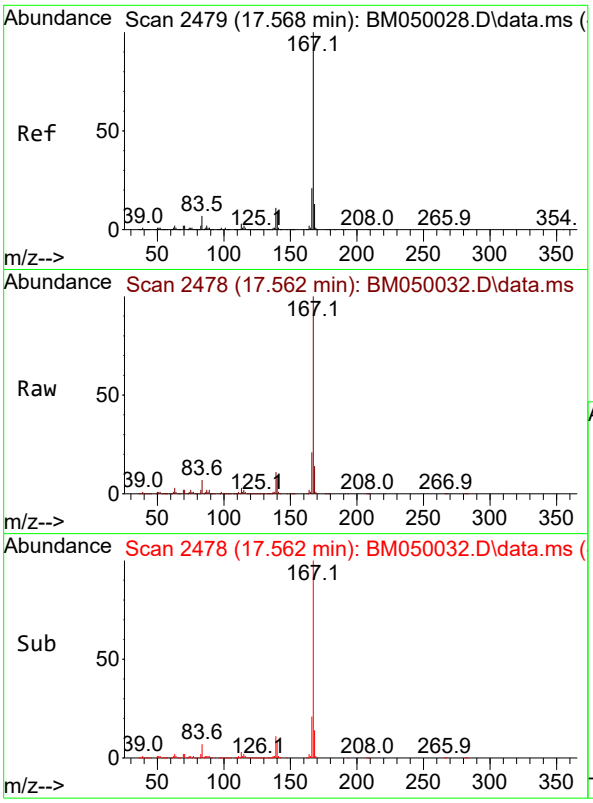


#72
Anthracene
Concen: 45.381 ng
RT: 17.292 min Scan# 2432
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:178 Resp: 3241829

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.4
179	15.5	12.2	18.4





#73
Carbazole
Concen: 46.001 ng
RT: 17.562 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:167 Resp: 285151

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.2	25.8
139	11.3	9.0	13.6

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

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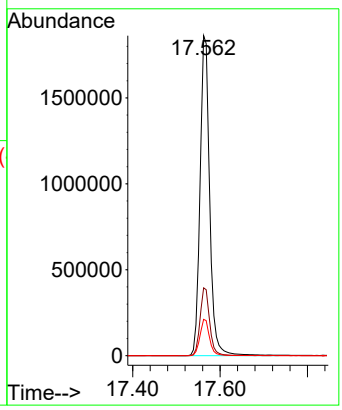
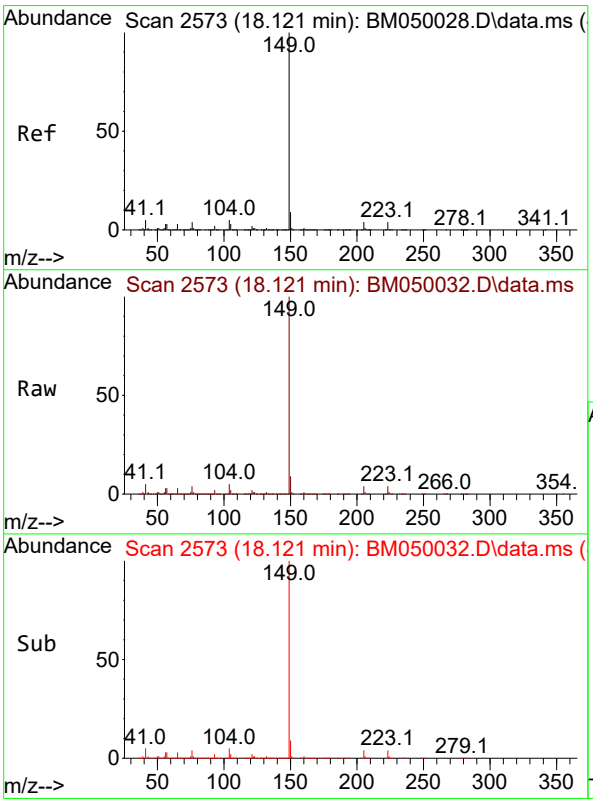
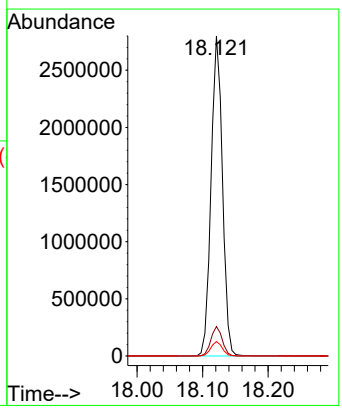


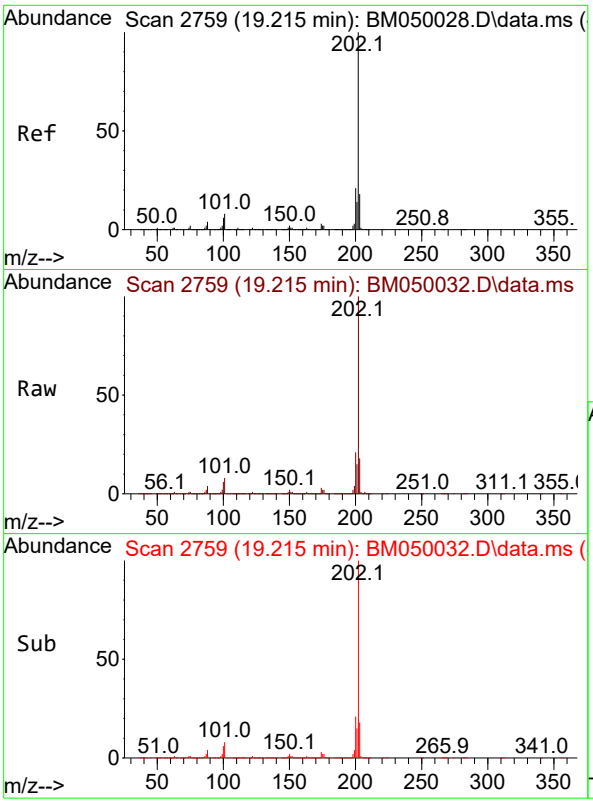


#74
Di-n-butylphthalate
Concen: 45.654 ng
RT: 18.121 min Scan# 2573
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:149 Resp: 3370238

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.5	3.8	5.6

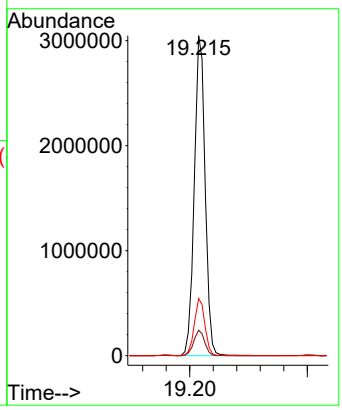




#75
Fluoranthene
Concen: 46.998 ng
RT: 19.215 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:202 Resp: 389504

Ion	Ratio	Lower	Upper
202	100		
101	8.0	0.0	28.0
203	17.9	0.0	37.7



Instrument :
BNA_M
ClientSampleId :
ICVBM042825

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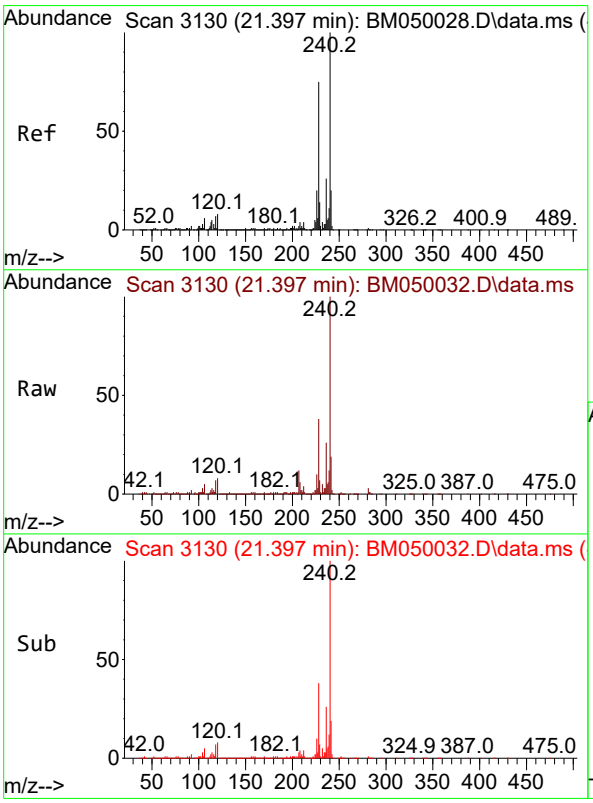
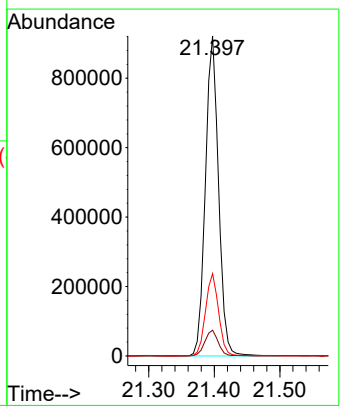
Supervised By :Jagrut Upadhyay 04/29/2025

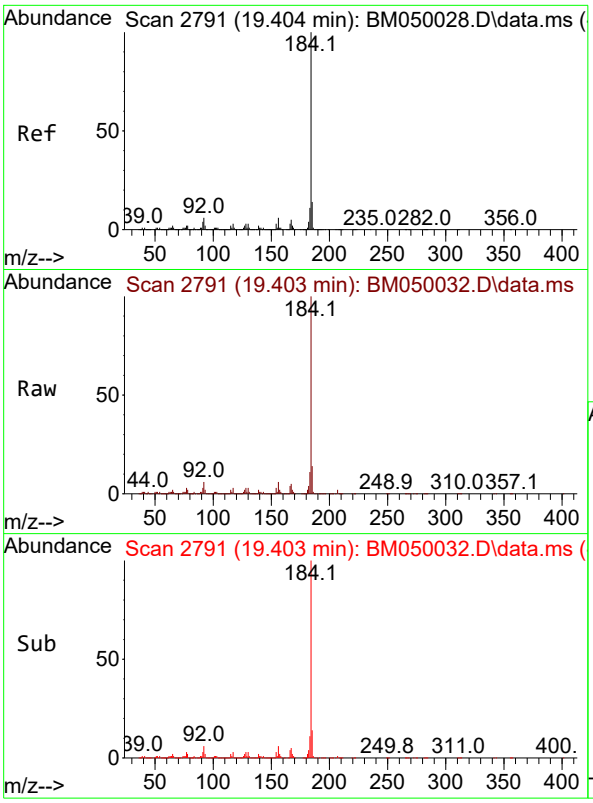


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3130
Delta R.T. 0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:240 Resp: 1285998

Ion	Ratio	Lower	Upper
240	100		
120	8.0	6.5	9.7
236	25.8	20.9	31.3

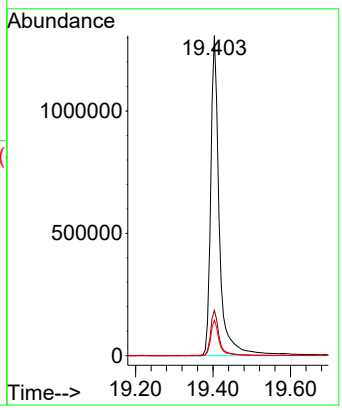




#77
Benzidine
Concen: 44.204 ng
RT: 19.403 min Scan# 2
Delta R.T. -0.001 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:184 Resp: 201920

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.5	17.3
183	11.0	8.9	13.3



Instrument :
BNA_M
ClientSampleId :
ICVBM042825

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Reviewed By :Rahul Chavli 04/29/2025
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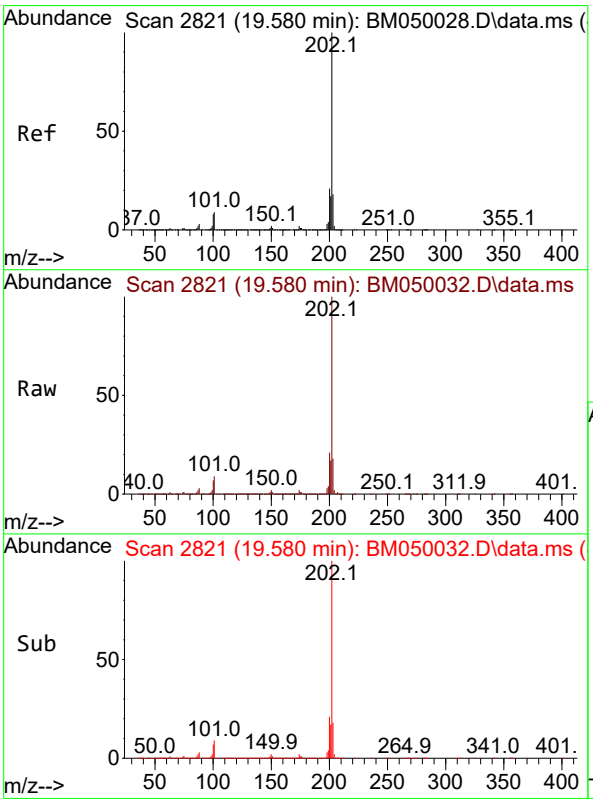
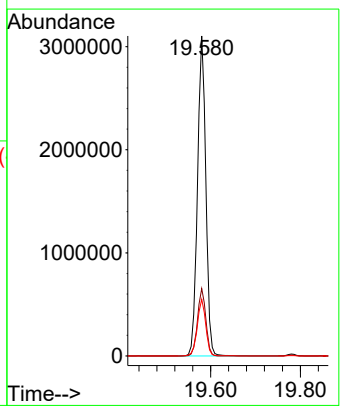
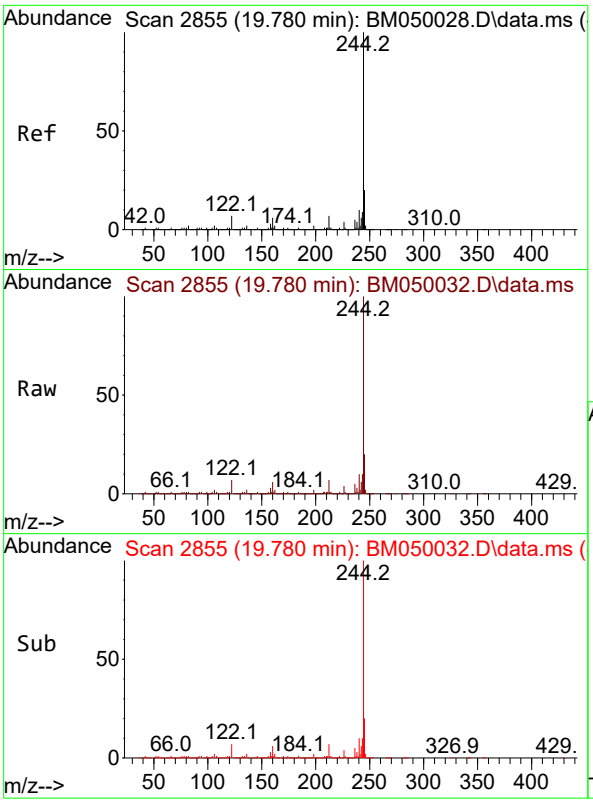


#78
Pyrene
Concen: 44.209 ng
RT: 19.580 min Scan# 2821
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:202 Resp: 3992384

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.7	14.1	21.1

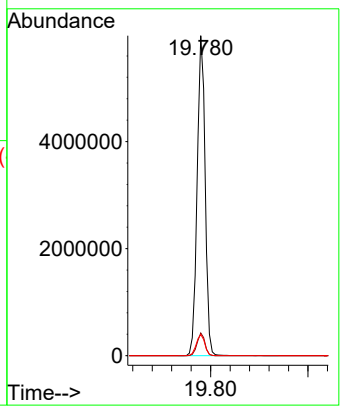




#79
Terphenyl-d14
Concen: 78.970 ng
RT: 19.780 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:244 Resp: 686305

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	6.6	5.6	8.4



Instrument :
BNA_M
ClientSampleId :
ICVBM042825

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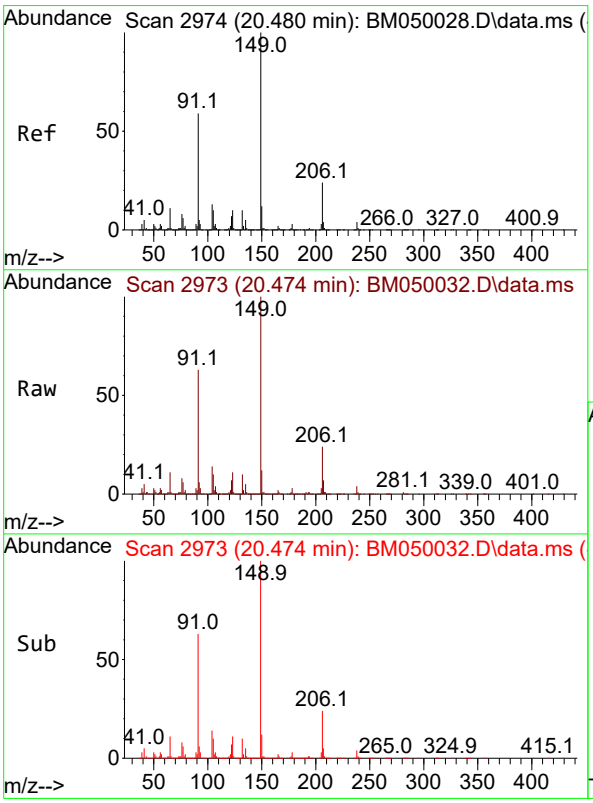
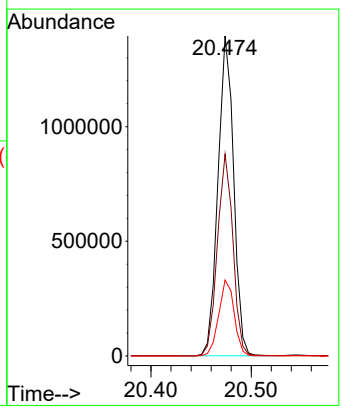
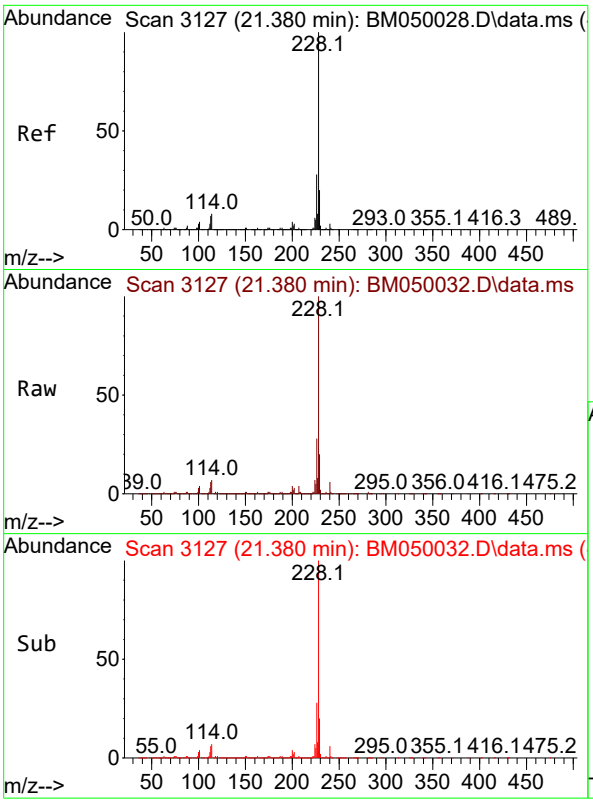


#80
Butylbenzylphthalate
Concen: 44.718 ng
RT: 20.474 min Scan# 2973
Delta R.T. -0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:149 Resp: 1512498

Ion	Ratio	Lower	Upper
149	100		
91	63.0	47.4	71.2
206	23.7	19.4	29.0

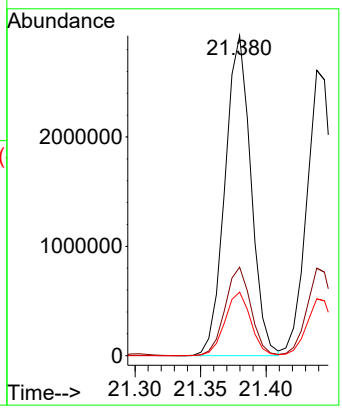




#81
Benzo(a)anthracene
Concen: 45.497 ng
RT: 21.380 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:228 Resp: 402906

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.1	33.1
229	19.8	15.7	23.5



Instrument :
BNA_M
ClientSampleId :
ICVBM042825

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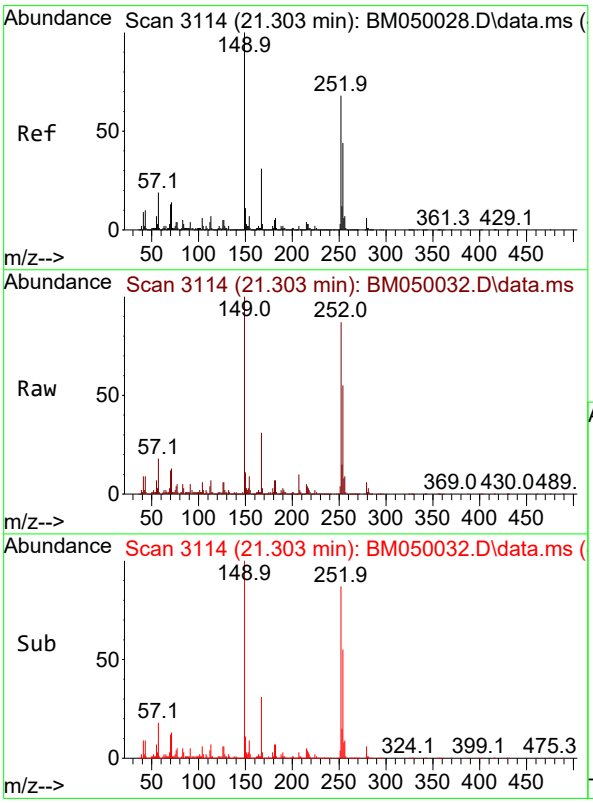
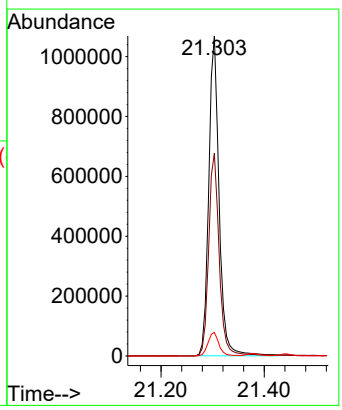
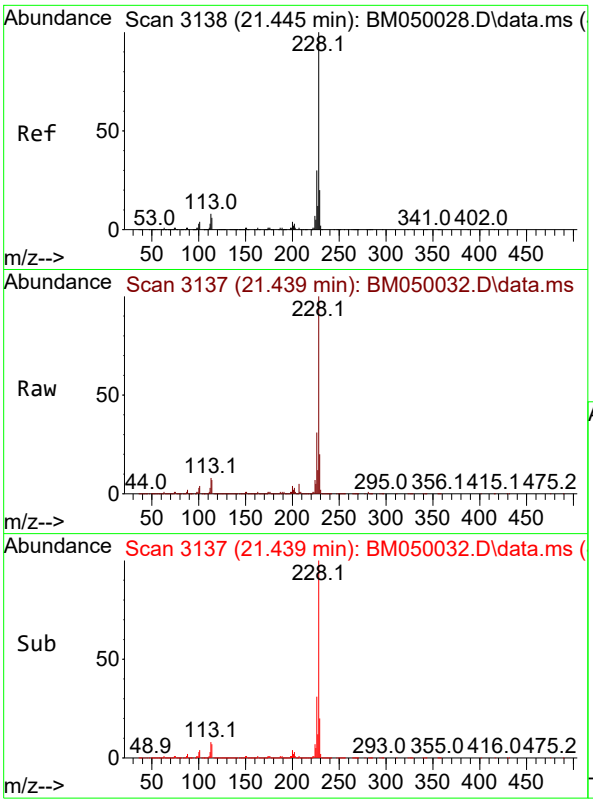


#82
3,3'-Dichlorobenzidine
Concen: 43.871 ng
RT: 21.303 min Scan# 3114
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:252 Resp: 1487254

Ion	Ratio	Lower	Upper
252	100		
254	63.3	51.8	77.6
126	7.4	6.0	9.0

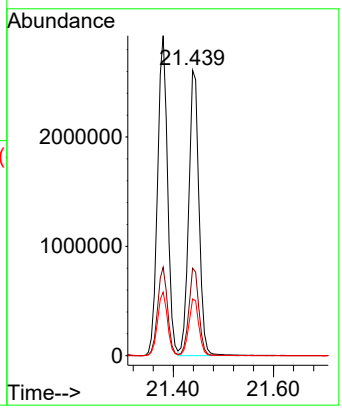




#83
Chrysene
Concen: 44.967 ng
RT: 21.439 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:228 Resp: 368560

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.2	36.2
229	19.9	15.7	23.5



Instrument :
BNA_M
ClientSampleId :
ICVBM042825

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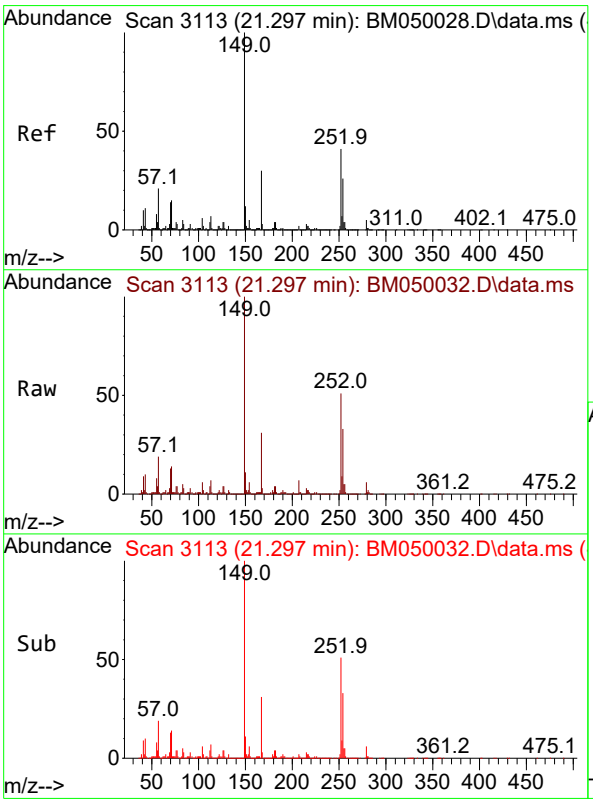
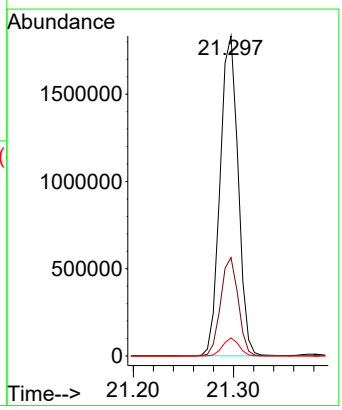
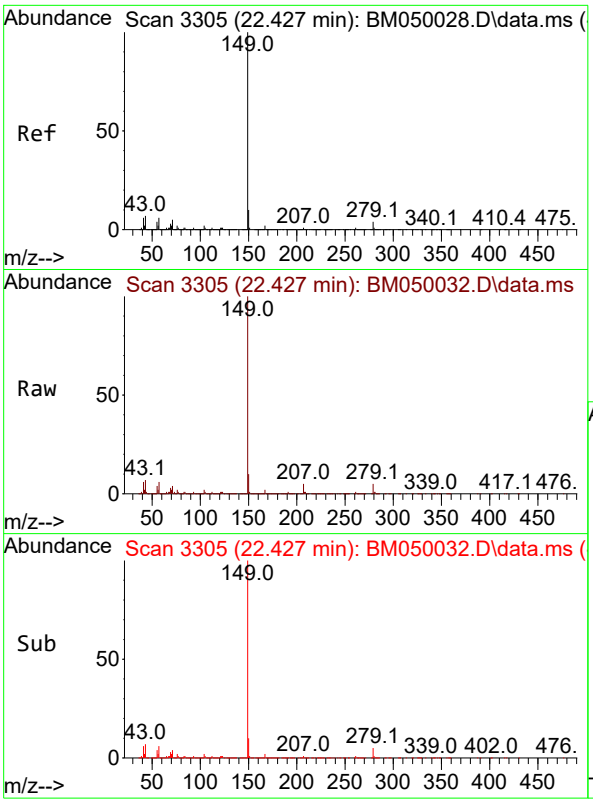


#84
Bis(2-ethylhexyl)phthalate
Concen: 45.224 ng
RT: 21.297 min Scan# 3113
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:149 Resp: 2284769

Ion	Ratio	Lower	Upper
149	100		
167	30.7	24.1	36.1
279	5.6	3.9	5.9

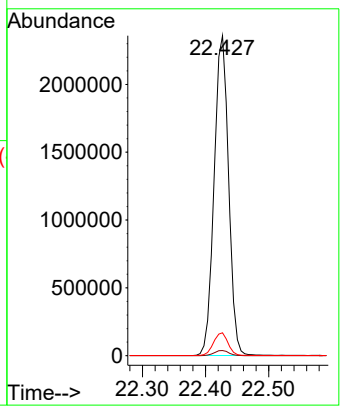




#85
Di-n-octyl phthalate
Concen: 44.974 ng
RT: 22.427 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:149 Resp: 374709

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.2	5.8	8.8



Instrument :
BNA_M
ClientSampleId :
ICVBM042825

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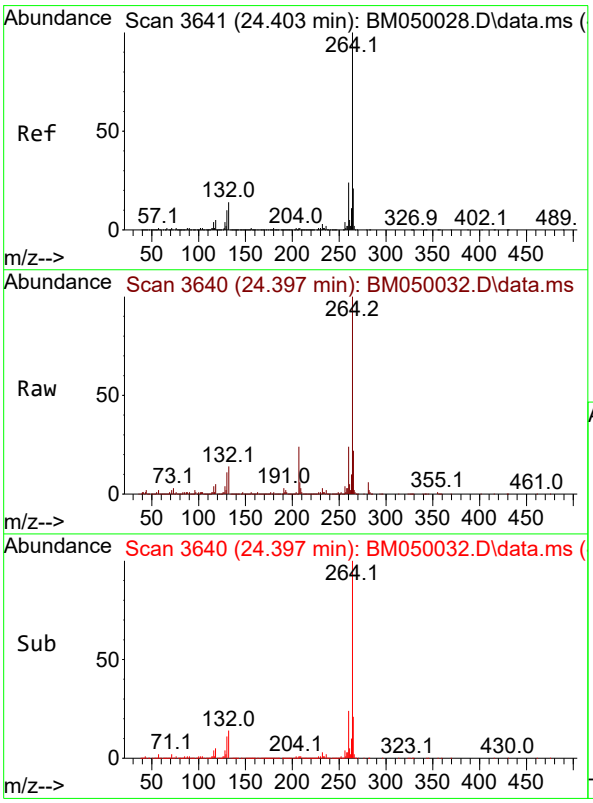
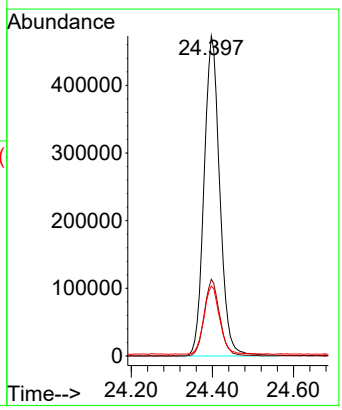
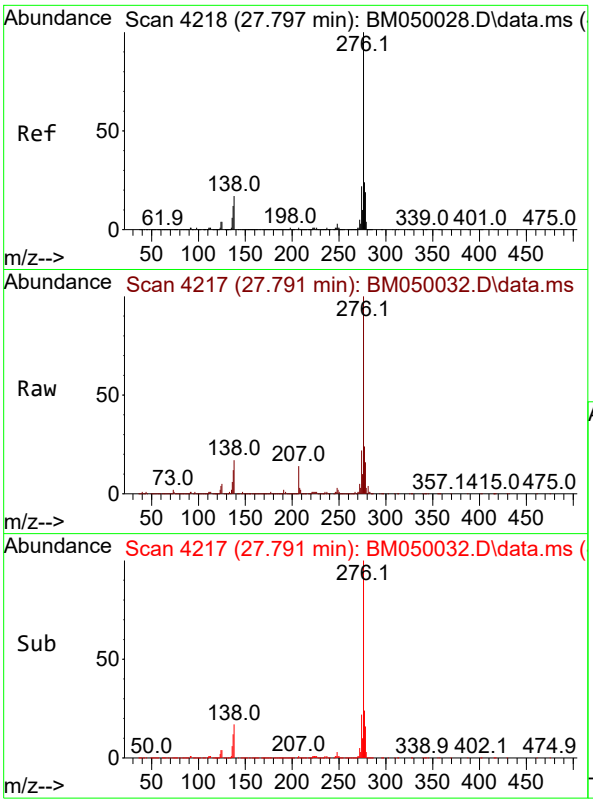


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.397 min Scan# 3640
Delta R.T. -0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:264 Resp: 1266367

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.8	28.2
265	21.9	17.0	25.4

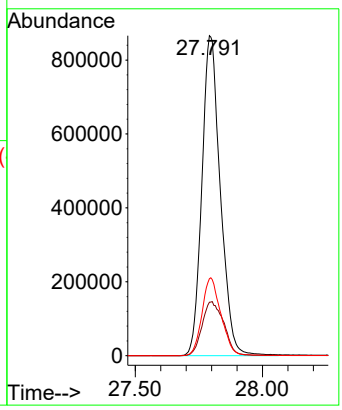




#87
Indeno(1,2,3-cd)pyrene
Concen: 46.249 ng
RT: 27.791 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:276 Resp: 436403

Ion	Ratio	Lower	Upper
276	100		
138	19.8	16.4	24.6
277	25.0	19.8	29.8



Instrument :
BNA_M
ClientSampleId :
ICVBM042825

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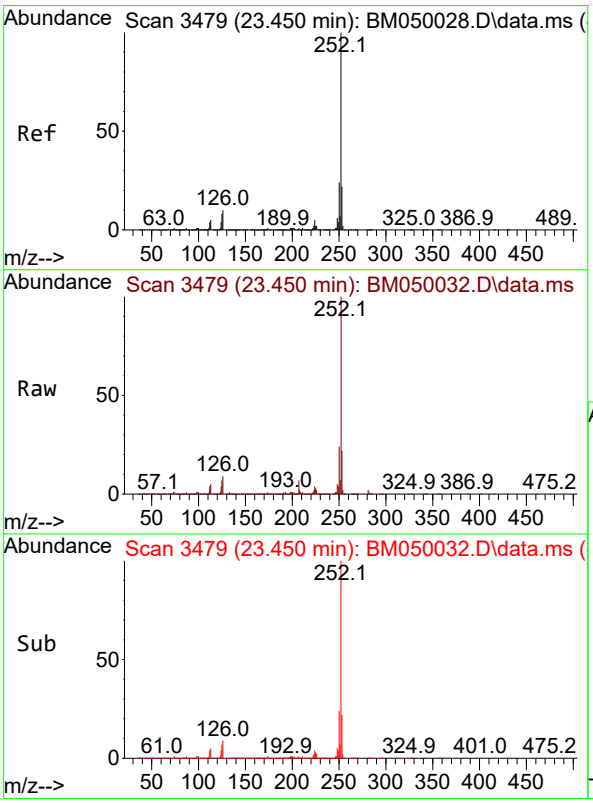
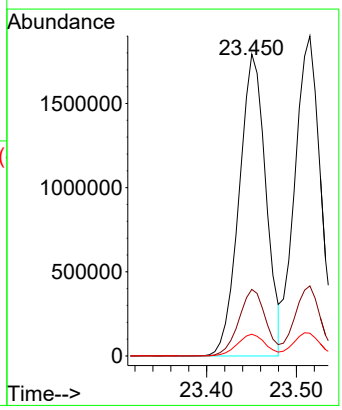
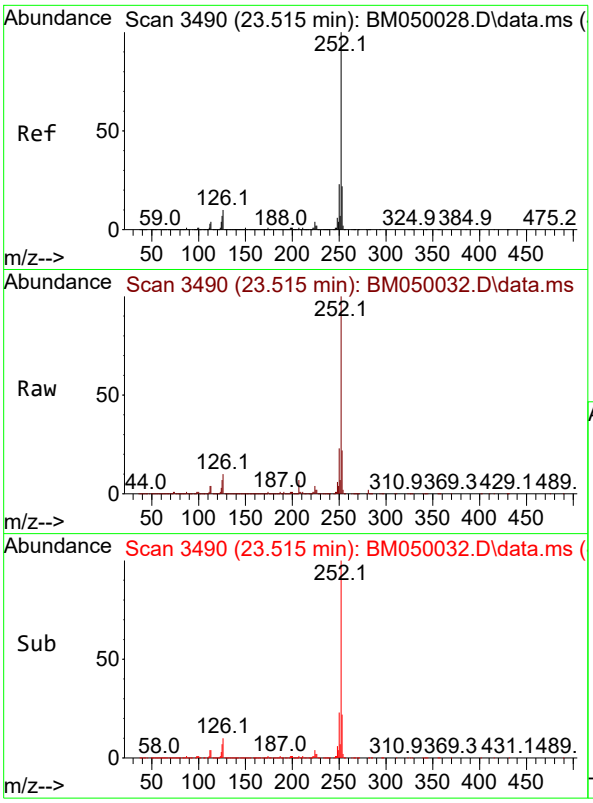


#88
Benzo(b)fluoranthene
Concen: 45.066 ng
RT: 23.450 min Scan# 3479
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:252 Resp: 3711451

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	7.2	6.1	9.1

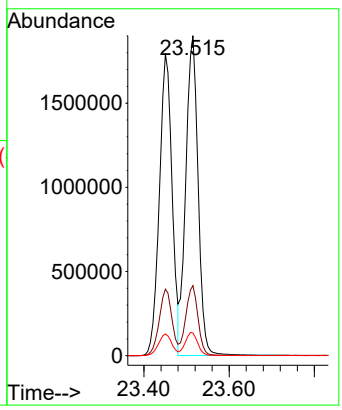




#89
Benzo(k)fluoranthene
Concen: 45.780 ng
RT: 23.515 min Scan# 34
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:252 Resp: 381373

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	7.1	5.8	8.8



Instrument :
BNA_M
ClientSampleId :
ICVBM042825

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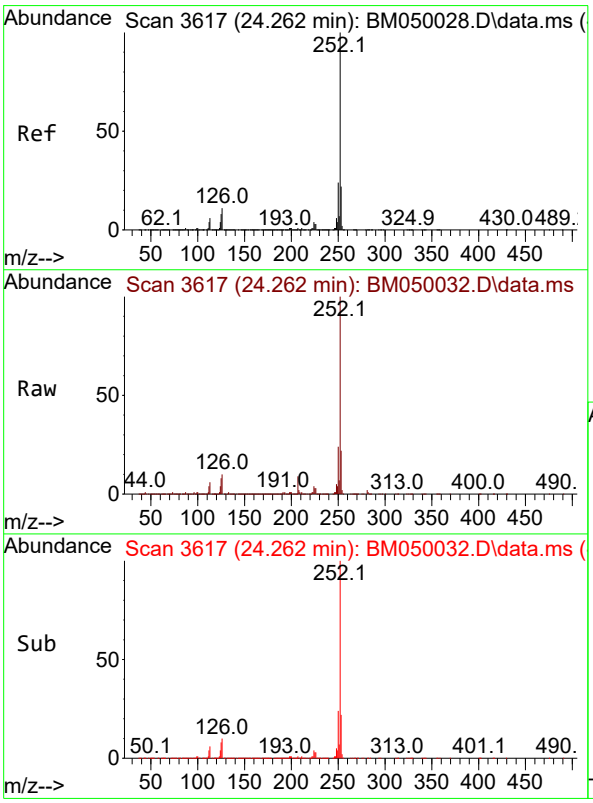
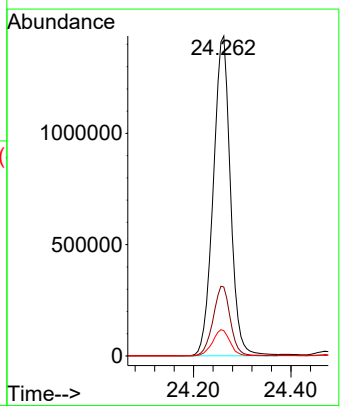
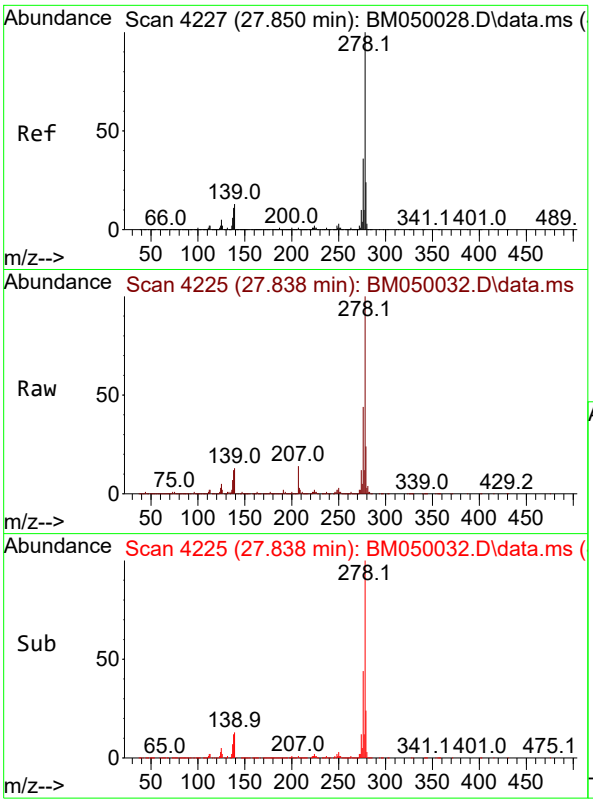


#90
Benzo(a)pyrene
Concen: 45.577 ng
RT: 24.262 min Scan# 3617
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:252 Resp: 3515582

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.0
125	7.9	6.6	9.8

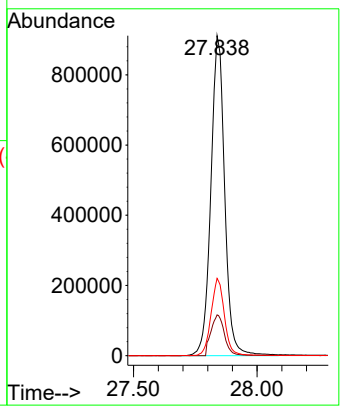




#91
Dibenzo(a,h)anthracene
Concen: 46.091 ng
RT: 27.838 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:278 Resp: 354529

Ion	Ratio	Lower	Upper
278	100		
139	12.7	10.5	15.7
279	24.1	19.4	29.0



Instrument :
BNA_M
ClientSampleId :
ICVBM042825

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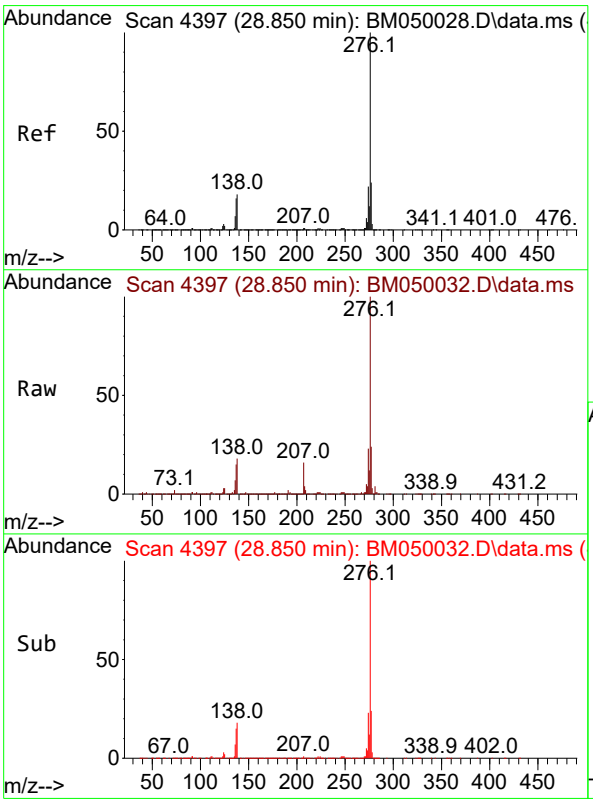
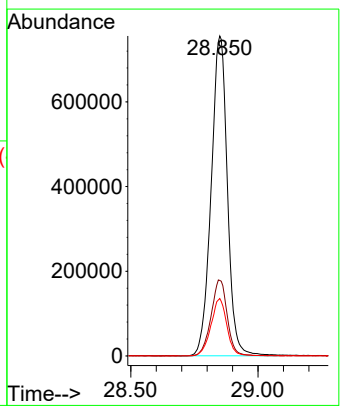


#92
Benzo(g,h,i)perylene
Concen: 45.437 ng
RT: 28.850 min Scan# 4397
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:276 Resp: 3345997

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.1	28.7
138	17.9	14.3	21.5



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Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Quant Time: Apr 28 18:14:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 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	95	0.00
2		1,4-Dioxane	0.490	0.551	-12.4	103	0.00
3		Pyridine	1.258	1.464	-16.4	105	0.00
4		n-Nitrosodimethylamine	0.493	0.567	-15.0	104	0.00
5	S	2-Fluorophenol	1.142	1.255	-9.9	99	0.00
6		Aniline	1.813	2.118	-16.8	104	0.00
7	S	Phenol-d6	1.436	1.617	-12.6	100	0.00
8		2-Chlorophenol	1.235	1.412	-14.3	103	0.00
9		Benzaldehyde	0.961	1.055	-9.8	98	0.00
10	C	Phenol	1.453	1.704	-17.3	106	0.00
11		bis(2-Chloroethyl)ether	1.213	1.381	-13.8	103	0.00
12		1,3-Dichlorobenzene	1.492	1.666	-11.7	102	0.00
13	C	1,4-Dichlorobenzene	1.499	1.684	-12.3	103	0.00
14		1,2-Dichlorobenzene	1.448	1.635	-12.9	103	0.00
15		Benzyl Alcohol	0.996	1.199	-20.4	106	0.00
16		2,2'-oxybis(1-Chloropropane	1.475	1.657	-12.3	102	0.00
17		2-Methylphenol	0.957	1.129	-18.0	104	0.00
18		Hexachloroethane	0.533	0.596	-11.8	102	0.00
19	P	n-Nitroso-di-n-propylamine	0.921	1.102	-19.7	105	0.00
20		3+4-Methylphenols	1.293	1.551	-20.0	106	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	99	0.00
22		Acetophenone	0.497	0.561	-12.9	104	0.00
23	S	Nitrobenzene-d5	0.406	0.395	2.7	90	0.00
24		Nitrobenzene	0.351	0.396	-12.8	104	0.00
25		Isophorone	0.692	0.789	-14.0	107	0.00
26	C	2-Nitrophenol	0.179	0.211	-17.9	106	0.00
27		2,4-Dimethylphenol	0.297	0.345	-16.2	105	0.00
28		bis(2-Chloroethoxy)methane	0.428	0.480	-12.1	104	0.00
29	C	2,4-Dichlorophenol	0.333	0.386	-15.9	105	0.00
30		1,2,4-Trichlorobenzene	0.406	0.450	-10.8	104	0.00
31		Naphthalene	1.013	1.131	-11.6	105	0.00
32		Benzoic acid	0.190	0.219	-15.3	109	0.00
33		4-Chloroaniline	0.415	0.492	-18.6	110	0.00
34	C	Hexachlorobutadiene	0.258	0.284	-10.1	103	0.00
35		Caprolactam	0.097	0.113	-16.5	107	0.00
36	C	4-Chloro-3-methylphenol	0.308	0.360	-16.9	109	0.00
37		2-Methylnaphthalene	0.679	0.770	-13.4	107	0.00
38		1-Methylnaphthalene	0.719	0.812	-12.9	106	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	102	0.00
40		1,2,4,5-Tetrachlorobenzene	0.692	0.764	-10.4	105	0.00
41	P	Hexachlorocyclopentadiene	0.423	0.469	-10.9	106	0.00
42	S	2,4,6-Tribromophenol	0.296	0.335	-13.2	108	0.00
43	C	2,4,6-Trichlorophenol	0.439	0.506	-15.3	109	0.00
44		2,4,5-Trichlorophenol	0.474	0.548	-15.6	108	0.00
45	S	2-Fluorobiphenyl	1.691	1.612	4.7	91	0.00
46		1,1'-Biphenyl	1.487	1.643	-10.5	107	0.00
47		2-Chloronaphthalene	1.177	1.315	-11.7	108	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050032.D
Acq On : 28 Apr 2025 17:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Quant Time: Apr 28 18:14:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 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	0.276	0.329	-19.2	112	0.00
49		Acenaphthylene	1.857	2.103	-13.2	109	0.00
50		Dimethylphthalate	1.462	1.657	-13.3	111	0.00
51		2,6-Dinitrotoluene	0.303	0.360	-18.8	113	0.00
52	C	Acenaphthene	1.075	1.215	-13.0	110	0.00
53		3-Nitroaniline	0.289	0.353	-22.1	113	0.00
54	P	2,4-Dinitrophenol	0.164	0.206	-25.6#	119	0.00
55		Dibenzofuran	1.788	2.004	-12.1	109	0.00
56	P	4-Nitrophenol	0.205	0.258	-25.9#	118	0.00
57		2,4-Dinitrotoluene	0.418	0.505	-20.8	113	0.00
58		Fluorene	1.463	1.687	-15.3	111	0.00
59		2,3,4,6-Tetrachlorophenol	0.410	0.481	-17.3	113	0.00
60		Diethylphthalate	1.377	1.560	-13.3	111	0.00
61		4-Chlorophenyl-phenylether	0.804	0.923	-14.8	110	0.00
62		4-Nitroaniline	0.279	0.353	-26.5#	115	0.00
63		Azobenzene	1.154	1.320	-14.4	111	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	108	0.00
65		4,6-Dinitro-2-methylphenol	0.125	0.147	-17.6	117	0.00
66	c	n-Nitrosodiphenylamine	0.614	0.683	-11.2	112	0.00
67		4-Bromophenyl-phenylether	0.242	0.266	-9.9	111	0.00
68		Hexachlorobenzene	0.279	0.308	-10.4	113	0.00
69		Atrazine	0.222	0.246	-10.8	112	0.00
70	C	Pentachlorophenol	0.157	0.181	-15.3	117	0.00
71		Phenanthrene	1.128	1.266	-12.2	115	0.00
72		Anthracene	1.142	1.295	-13.4	115	0.00
73		Carbazole	0.991	1.139	-14.9	116	0.00
74		Di-n-butylphthalate	1.180	1.346	-14.1	116	0.00
75	C	Fluoranthene	1.324	1.556	-17.5	119	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	115	0.00
77		Benzidine	0.710	0.785	-10.6	117	0.00
78		Pyrene	1.404	1.552	-10.5	118	0.00
79	S	Terphenyl-d14	1.352	1.334	1.3	101	0.00
80		Butylbenzylphthalate	0.526	0.588	-11.8	121	0.00
81		Benzo(a)anthracene	1.377	1.567	-13.8	122	0.00
82		3,3'-Dichlorobenzidine	0.527	0.578	-9.7	115	0.00
83		Chrysene	1.275	1.433	-12.4	123	0.00
84		Bis(2-ethylhexyl)phthalate	0.786	0.888	-13.0	122	0.00
85	c	Di-n-octyl phthalate	1.296	1.457	-12.4	123	0.00
86	I	Perylene-d12	1.000	1.000	0.0	118	0.00
87		Indeno(1,2,3-cd)pyrene	1.490	1.723	-15.6	127	0.00
88		Benzo(b)fluoranthene	1.301	1.465	-12.6	123	0.00
89		Benzo(k)fluoranthene	1.316	1.506	-14.4	128	0.00
90	C	Benzo(a)pyrene	1.218	1.388	-14.0	127	0.00
91		Dibenzo(a,h)anthracene	1.215	1.400	-15.2	127	-0.01
92		Benzo(g,h,i)perylene	1.163	1.321	-13.6	126	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050032.D
Acq On : 28 Apr 2025 17:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Quant Time: Apr 28 18:14:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 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_M\Data\BM042825\
Data File : BM050032.D
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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	95	0.00
2		1,4-Dioxane	40.000	44.976	-12.4	103	0.00
3		Pyridine	40.000	46.534	-16.3	105	0.00
4		n-Nitrosodimethylamine	40.000	45.956	-14.9	104	0.00
5	S	2-Fluorophenol	80.000	87.928	-9.9	99	0.00
6		Aniline	40.000	46.744	-16.9	104	0.00
7	S	Phenol-d6	80.000	90.140	-12.7	100	0.00
8		2-Chlorophenol	40.000	45.724	-14.3	103	0.00
9		Benzaldehyde	40.000	43.937	-9.8	98	0.00
10	C	Phenol	40.000	46.913	-17.3	106	0.00
11		bis(2-Chloroethyl)ether	40.000	45.521	-13.8	103	0.00
12		1,3-Dichlorobenzene	40.000	44.672	-11.7	102	0.00
13	C	1,4-Dichlorobenzene	40.000	44.941	-12.4	103	0.00
14		1,2-Dichlorobenzene	40.000	45.174	-12.9	103	0.00
15		Benzyl Alcohol	40.000	48.167	-20.4	106	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	44.929	-12.3	102	0.00
17		2-Methylphenol	40.000	47.153	-17.9	104	0.00
18		Hexachloroethane	40.000	44.738	-11.8	102	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	47.892	-19.7	105	0.00
20		3+4-Methylphenols	40.000	47.974	-19.9	106	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	99	0.00
22		Acetophenone	40.000	45.153	-12.9	104	0.00
23	S	Nitrobenzene-d5	80.000	77.798	2.8	90	0.00
24		Nitrobenzene	40.000	45.104	-12.8	104	0.00
25		Isophorone	40.000	45.596	-14.0	107	0.00
26	C	2-Nitrophenol	40.000	47.087	-17.7	106	0.00
27		2,4-Dimethylphenol	40.000	46.404	-16.0	105	0.00
28		bis(2-Chloroethoxy)methane	40.000	44.920	-12.3	104	0.00
29	C	2,4-Dichlorophenol	40.000	46.375	-15.9	105	0.00
30		1,2,4-Trichlorobenzene	40.000	44.348	-10.9	104	0.00
31		Naphthalene	40.000	44.651	-11.6	105	0.00
32		Benzoic acid	40.000	46.063	-15.2	109	0.00
33		4-Chloroaniline	40.000	47.375	-18.4	110	0.00
34	C	Hexachlorobutadiene	40.000	44.034	-10.1	103	0.00
35		Caprolactam	40.000	46.481	-16.2	107	0.00
36	C	4-Chloro-3-methylphenol	40.000	46.825	-17.1	109	0.00
37		2-Methylnaphthalene	40.000	45.374	-13.4	107	0.00
38		1-Methylnaphthalene	40.000	45.198	-13.0	106	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	102	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	44.140	-10.4	105	0.00
41	P	Hexachlorocyclopentadiene	40.000	44.374	-10.9	106	0.00
42	S	2,4,6-Tribromophenol	80.000	90.503	-13.1	108	0.00
43	C	2,4,6-Trichlorophenol	40.000	46.094	-15.2	109	0.00
44		2,4,5-Trichlorophenol	40.000	46.271	-15.7	108	0.00
45	S	2-Fluorobiphenyl	80.000	76.259	4.7	91	0.00
46		1,1'-Biphenyl	40.000	44.207	-10.5	107	0.00
47		2-Chloronaphthalene	40.000	44.684	-11.7	108	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050032.D
Acq On : 28 Apr 2025 17:43
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Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Quant Time: Apr 28 18:14:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 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	47.621	-19.1	112	0.00
49		Acenaphthylene	40.000	45.315	-13.3	109	0.00
50		Dimethylphthalate	40.000	45.338	-13.3	111	0.00
51		2,6-Dinitrotoluene	40.000	47.554	-18.9	113	0.00
52	C	Acenaphthene	40.000	45.210	-13.0	110	0.00
53		3-Nitroaniline	40.000	48.843	-22.1	113	0.00
54	P	2,4-Dinitrophenol	40.000	45.189	-13.0	119	0.00
55		Dibenzofuran	40.000	44.828	-12.1	109	0.00
56	P	4-Nitrophenol	40.000	46.012	-15.0	118	0.00
57		2,4-Dinitrotoluene	40.000	48.311	-20.8	113	0.00
58		Fluorene	40.000	46.115	-15.3	111	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	46.970	-17.4	113	0.00
60		Diethylphthalate	40.000	45.299	-13.2	111	0.00
61		4-Chlorophenyl-phenylether	40.000	45.950	-14.9	110	0.00
62		4-Nitroaniline	40.000	50.610	-26.5#	115	0.00
63		Azobenzene	40.000	45.747	-14.4	111	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	108	0.00
65		4,6-Dinitro-2-methylphenol	40.000	46.920	-17.3	117	0.00
66	c	n-Nitrosodiphenylamine	40.000	44.485	-11.2	112	0.00
67		4-Bromophenyl-phenylether	40.000	43.944	-9.9	111	0.00
68		Hexachlorobenzene	40.000	44.174	-10.4	113	0.00
69		Atrazine	40.000	44.483	-11.2	112	0.00
70	C	Pentachlorophenol	40.000	46.059	-15.1	117	0.00
71		Phenanthrene	40.000	44.895	-12.2	115	0.00
72		Anthracene	40.000	45.381	-13.5	115	0.00
73		Carbazole	40.000	46.001	-15.0	116	0.00
74		Di-n-butylphthalate	40.000	45.654	-14.1	116	0.00
75	C	Fluoranthene	40.000	46.998	-17.5	119	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	115	0.00
77		Benzidine	40.000	44.204	-10.5	117	0.00
78		Pyrene	40.000	44.209	-10.5	118	0.00
79	S	Terphenyl-d14	80.000	78.970	1.3	101	0.00
80		Butylbenzylphthalate	40.000	44.718	-11.8	121	0.00
81		Benzo(a)anthracene	40.000	45.497	-13.7	122	0.00
82		3,3'-Dichlorobenzidine	40.000	43.871	-9.7	115	0.00
83		Chrysene	40.000	44.967	-12.4	123	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	45.224	-13.1	122	0.00
85	c	Di-n-octyl phthalate	40.000	44.974	-12.4	123	0.00
86	I	Perylene-d12	20.000	20.000	0.0	118	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	46.249	-15.6	127	0.00
88		Benzo(b)fluoranthene	40.000	45.066	-12.7	123	0.00
89		Benzo(k)fluoranthene	40.000	45.780	-14.5	128	0.00
90	C	Benzo(a)pyrene	40.000	45.577	-13.9	127	0.00
91		Dibenzo(a,h)anthracene	40.000	46.091	-15.2	127	-0.01
92		Benzo(g,h,i)perylene	40.000	45.437	-13.6	126	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050032.D
Acq On : 28 Apr 2025 17:43
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Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
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ICVBM042825

Quant Time: Apr 28 18:14:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 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

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP041425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Apr 15 04:48:42 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP024275.D 5 =BP024276.D 10 =BP024277.D 20 =BP024278.D 40 =BP024279.D 50 =BP024280.D 60 =BP024281.D 80 =BP0242
82.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.551	0.517	0.552	0.512	0.481	0.490	0.477	0.512	6.10
3)		Pyridine		1.265	1.280	1.422	1.396	1.333	1.383	1.378	1.351	4.43
4)		n-Nitrosodimet...		0.424	0.443	0.469	0.457	0.442	0.460	0.444	0.448	3.29
5)	S	2-Fluorophenol		1.123	1.145	1.262	1.254	1.210	1.277	1.196	1.210	4.93
6)		Aniline		1.439	1.487	1.636	1.587	1.403	1.428	1.380	1.480	6.52
7)	S	Phenol-d6		1.463	1.552	1.718	1.748	1.697	1.769	1.647	1.656	6.75
8)		2-Chlorophenol		1.260	1.297	1.412	1.399	1.359	1.400	1.328	1.350	4.30
9)		Benzaldehyde		0.943	0.934	0.942	0.836	0.732	0.726	0.621	0.819	15.70
10)	C	Phenol		1.475	1.565	1.720	1.750	1.698	1.779	1.643	1.661	6.54
11)		bis(2-Chloroet...		1.278	1.317	1.399	1.398	1.321	1.358	1.300	1.339	3.56
12)		1,3-Dichlorobe...		1.464	1.486	1.534	1.486	1.402	1.433	1.373	1.454	3.79
13)	C	1,4-Dichlorobe...		1.496	1.489	1.550	1.494	1.436	1.463	1.399	1.475	3.28
14)		1,2-Dichlorobe...		1.472	1.441	1.502	1.445	1.362	1.411	1.339	1.424	4.10
15)		Benzyl Alcohol		0.857	0.935	1.106	1.158	1.142	1.178	1.122	1.071	11.58
16)		2,2'-oxybis(1-...		1.452	1.496	1.517	1.514	1.405	1.397	1.348	1.447	4.54
17)		2-Methylphenol		0.915	1.002	1.123	1.140	1.105	1.150	1.087	1.075	7.97
18)		Hexachloroethane		0.532	0.537	0.558	0.542	0.521	0.533	0.510	0.533	2.88
19)	P	n-Nitroso-di-n...	0.941	1.008	1.008	1.088	1.084	1.041	1.038	0.989	1.025	4.76
20)		3+4-Methylphenols		1.224	1.365	1.560	1.592	1.567	1.607	1.525	1.491	9.57
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.470	0.487	0.522	0.519	0.490	0.495	0.483	0.495	3.85
23)	S	Nitrobenzene-d5		0.322	0.337	0.367	0.368	0.357	0.356	0.347	0.351	4.76
24)		Nitrobenzene		0.328	0.334	0.362	0.364	0.349	0.353	0.340	0.347	3.96
25)		Isophorone		0.575	0.601	0.653	0.673	0.650	0.654	0.639	0.635	5.41
26)	C	2-Nitrophenol		0.130	0.143	0.172	0.183	0.184	0.191	0.186	0.170	13.97
27)		2,4-Dimethylph...		0.180	0.194	0.219	0.226	0.225	0.228	0.221	0.213	8.81
28)		bis(2-Chloroet...		0.412	0.426	0.444	0.452	0.430	0.425	0.412	0.429	3.51
29)	C	2,4-Dichloroph...		0.242	0.268	0.297	0.308	0.307	0.311	0.302	0.291	8.94
30)		1,2,4-Trichlor...		0.308	0.305	0.318	0.321	0.309	0.315	0.306	0.311	2.00
31)		Naphthalene		1.044	1.054	1.091	1.079	1.037	1.048	1.023	1.054	2.27
32)		Benzoic acid			0.185	0.226	0.242	0.270	0.285	0.282	0.248	15.56
33)		4-Chloroaniline		0.328	0.349	0.389	0.397	0.378	0.379	0.378	0.371	6.46
34)	C	Hexachlorobuta...		0.181	0.181	0.186	0.189	0.181	0.182	0.182	0.183	1.62
35)		Caprolactam		0.085	0.092	0.111	0.112	0.115	0.121	0.115	0.107	12.53
36)	C	4-Chloro-3-met...		0.284	0.310	0.349	0.357	0.356	0.363	0.351	0.339	8.82
37)		2-Methylnaphth...		0.700	0.720	0.755	0.755	0.733	0.740	0.712	0.731	2.89
38)		1-Methylnaphth...		0.700	0.714	0.737	0.731	0.712	0.718	0.691	0.715	2.25

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP041425.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.522	0.538	0.568	0.576	0.544	0.549	0.552	0.550	3.33
41)	P	Hexachlorocycl...	0.162	0.185	0.197	0.218	0.199	0.197	0.204	0.195	8.92
42)	S	2,4,6-Tribromo...	0.235	0.256	0.278	0.289	0.289	0.296	0.294	0.277	8.29
43)	C	2,4,6-Trichlor...	0.301	0.335	0.369	0.389	0.386	0.390	0.390	0.366	9.51
44)		2,4,5-Trichlor...	0.332	0.371	0.409	0.427	0.429	0.436	0.430	0.405	9.62
45)	S	2-Fluorobiphenyl	1.332	1.334	1.359	1.366	1.263	1.251	1.240	1.306	4.08
46)		1,1'-Biphenyl	1.454	1.489	1.528	1.529	1.434	1.428	1.429	1.470	3.07
47)		2-Chloronaphth...	1.063	1.100	1.135	1.139	1.085	1.090	1.078	1.099	2.60
48)		2-Nitroaniline	0.250	0.270	0.317	0.330	0.324	0.335	0.331	0.308	10.98
49)		Acenaphthylene	1.604	1.680	1.793	1.814	1.726	1.763	1.730	1.730	4.11
50)		Dimethylphthalate	1.429	1.416	1.495	1.495	1.460	1.460	1.426	1.454	2.22
51)		2,6-Dinitrotol...	0.264	0.290	0.319	0.325	0.319	0.328	0.317	0.309	7.58
52)	C	Acenaphthene	1.087	1.087	1.141	1.126	1.081	1.079	1.076	1.097	2.35
53)		3-Nitroaniline	0.250	0.289	0.338	0.354	0.342	0.340	0.358	0.325	12.25
54)	P	2,4-Dinitrophenol		0.125	0.163	0.186	0.196	0.210	0.211	0.182	18.22
55)		Dibenzofuran	1.801	1.807	1.871	1.833	1.746	1.768	1.723	1.793	2.84
56)	P	4-Nitrophenol	0.190	0.231	0.289	0.305	0.306	0.323	0.317	0.280	17.90
57)		2,4-Dinitrotol...	0.334	0.368	0.439	0.448	0.442	0.463	0.456	0.421	11.82
58)		Fluorene	1.376	1.397	1.454	1.398	1.368	1.366	1.356	1.388	2.40
59)		2,3,4,6-Tetrac...	0.327	0.351	0.380	0.389	0.387	0.390	0.389	0.373	6.57
60)		Diethylphthalate	1.451	1.484	1.528	1.550	1.499	1.499	1.481	1.499	2.16
61)		4-Chlorophenyl...	0.667	0.675	0.699	0.680	0.667	0.670	0.659	0.674	1.95
62)		4-Nitroaniline	0.263	0.300	0.353	0.369	0.364	0.380	0.376	0.344	12.99
63)		Azobenzene	1.269	1.383	1.446	1.431	1.385	1.385	1.344	1.378	4.26
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.095	0.118	0.131	0.134	0.140	0.138	0.126	13.50
66)	c	n-Nitrosodiphe...	0.567	0.585	0.616	0.630	0.591	0.608	0.580	0.597	3.71
67)		4-Bromophenyl-...	0.203	0.212	0.220	0.230	0.220	0.225	0.222	0.219	4.11
68)		Hexachlorobenzene	0.247	0.247	0.260	0.271	0.261	0.269	0.263	0.260	3.67
69)		Atrazine	0.176	0.167	0.134	0.121	0.162			0.152	15.57
70)	C	Pentachlorophenol	0.143	0.155	0.175	0.196	0.197	0.203	0.201	0.181	13.35
71)		Phenanthrene	1.098	1.086	1.117	1.127	1.070	1.082	1.058	1.091	2.27
72)		Anthracene	0.995	1.017	1.084	1.111	1.053	1.071	1.030	1.052	3.85
73)		Carbazole	0.968	0.998	1.060	1.084	1.014	1.037	1.031	1.027	3.78
74)		Di-n-butylphth...	1.147	1.230	1.253	1.398	1.310	1.338	1.284	1.280	6.30
75)	C	Fluoranthene	1.289	1.274	1.316	1.347	1.280	1.304	1.274	1.298	2.07
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.144	0.141	0.109	0.436	0.333	0.302	0.307	0.254	48.39
78)		Pyrene	1.192	1.236	1.345	1.305	1.294	1.305	1.219	1.271	4.38
79)	S	Terphenyl-d14	0.967	0.998	1.055	1.032	1.005	0.964	0.926	0.992	4.42
80)		Butylbenzylpht...	0.434	0.488	0.546	0.596	0.580	0.593	0.574	0.544	11.25
81)		Benzo(a)anthra...	1.195	1.214	1.292	1.293	1.234	1.253	1.221	1.243	3.08
82)		3,3'-Dichlorob...	0.345	0.383	0.431	0.486	0.463	0.485	0.460	0.436	12.30
83)		Chrysene	1.180	1.181	1.229	1.213	1.173	1.193	1.167	1.191	1.88
84)		Bis(2-ethylhex...	0.639	0.735	0.779	0.893	0.853	0.867	0.819	0.798	11.09
85)	c	Di-n-octyl pht...	0.945	1.093	1.222	1.461	1.430	1.486	1.446	1.297	16.46

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP041425.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.252	1.304	1.407	1.444	1.401	1.445	1.466	1.388	5.77
88)		Benzo(b)fluora...	1.130	1.174	1.217	1.258	1.196	1.205	1.212	1.199	3.30
89)		Benzo(k)fluora...	1.088	1.131	1.217	1.212	1.154	1.166	1.138	1.158	3.94
90)	C	Benzo(a)pyrene	0.939	0.971	1.057	1.091	1.053	1.070	1.058	1.034	5.44
91)		Dibenzo(a,h)an...	1.046	1.089	1.172	1.203	1.169	1.186	1.202	1.152	5.28
92)		Benzo(g,h,i)pe...	1.073	1.110	1.198	1.218	1.180	1.209	1.224	1.173	4.99

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024275.D
Acq On : 14 Apr 2025 11:06
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Apr 14 17:26:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.734	152	229109	20.000	ng	0.00
21) Naphthalene-d8	10.505	136	962244	20.000	ng	0.00
39) Acenaphthene-d10	14.363	164	614109	20.000	ng	0.00
64) Phenanthrene-d10	17.181	188	1238206	20.000	ng	0.02
76) Chrysene-d12	21.616	240	1367665	20.000	ng	0.00
86) Perylene-d12	24.980	264	1473609	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...	8.528	70	26959	2.285	ng	96

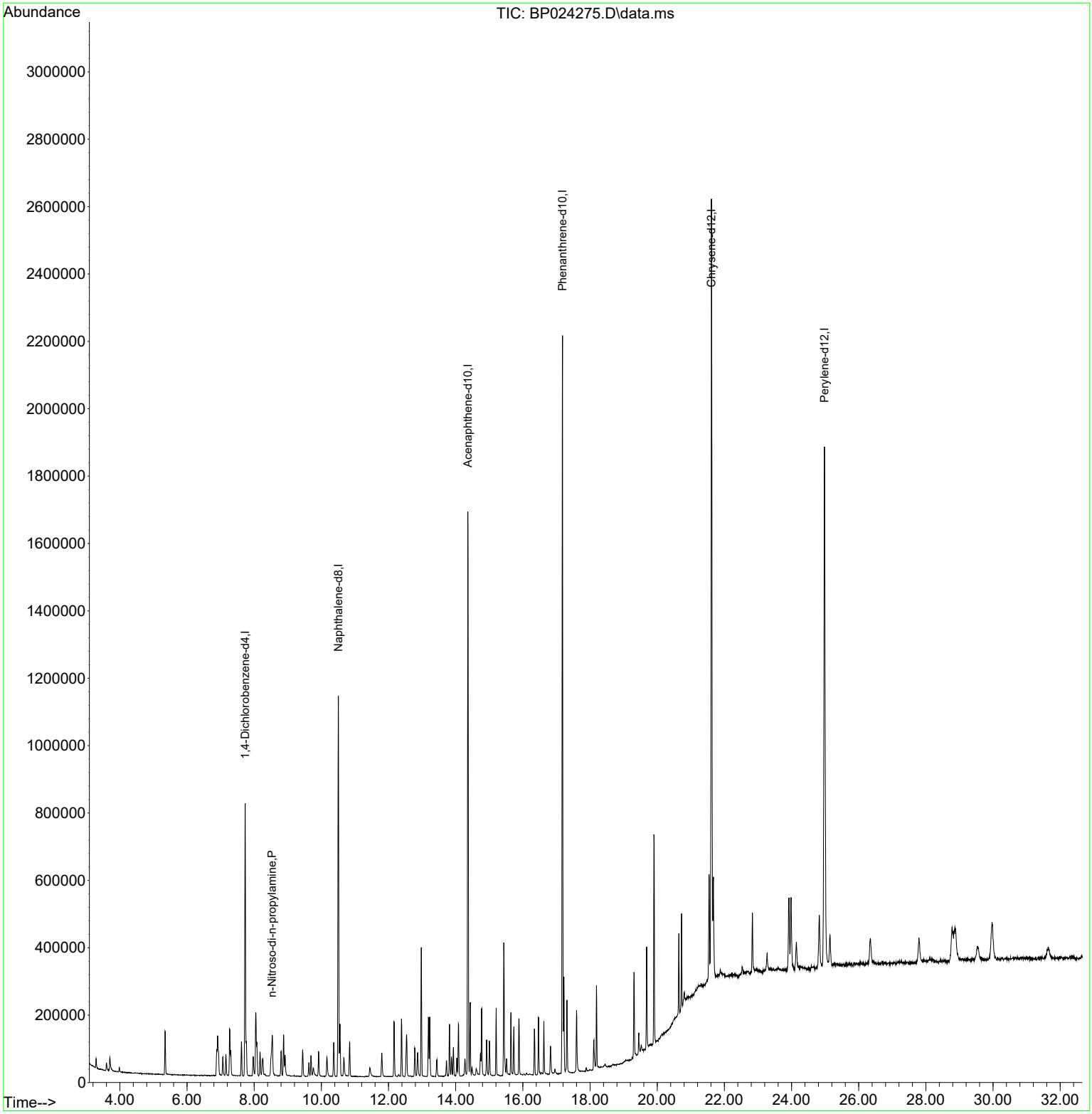
(#) = qualifier out of range (m) = manual integration (+) = signals summed

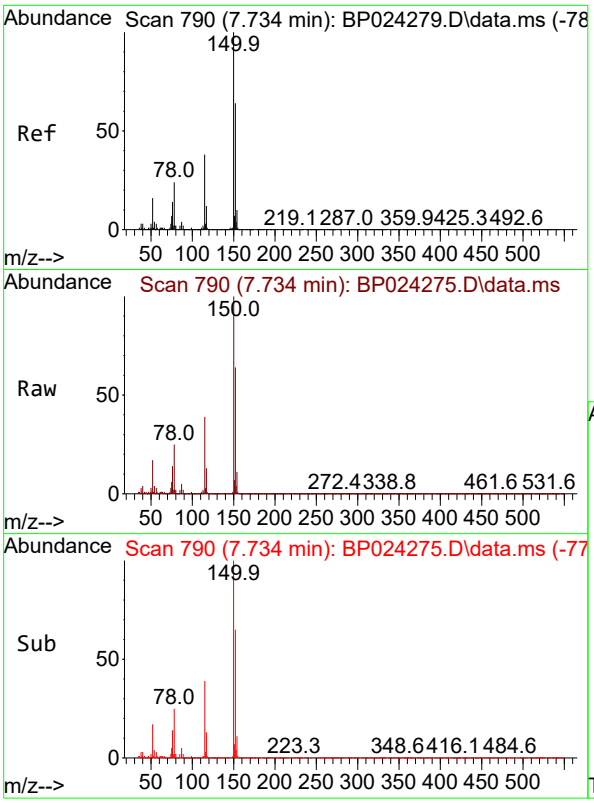
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024275.D
Acq On : 14 Apr 2025 11:06
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Apr 14 17:26:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration



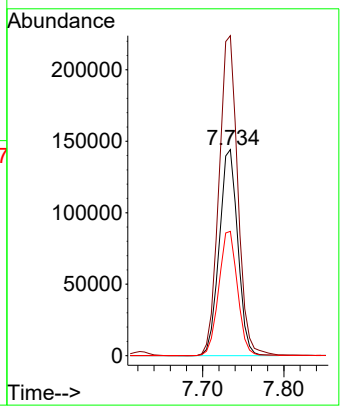


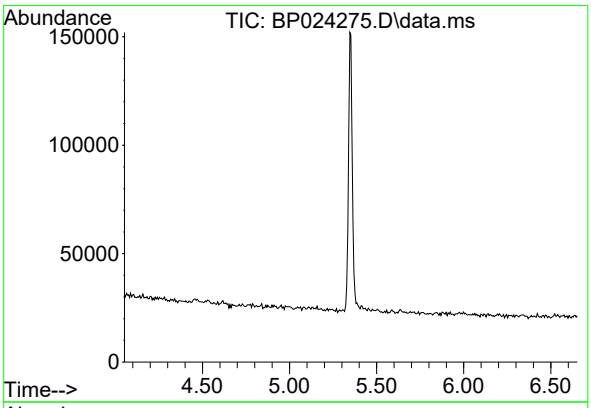
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.734 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 229109

Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.9	187.3
115	60.4	47.7	71.5



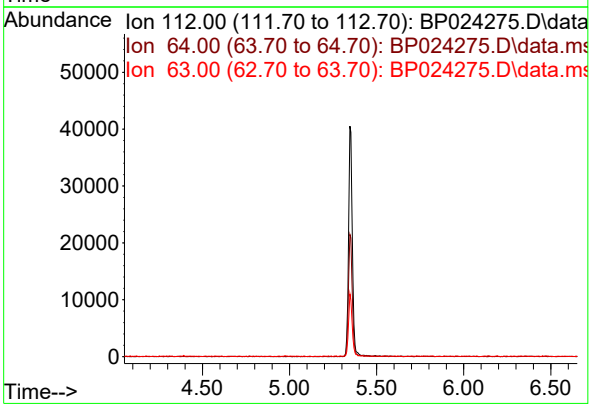


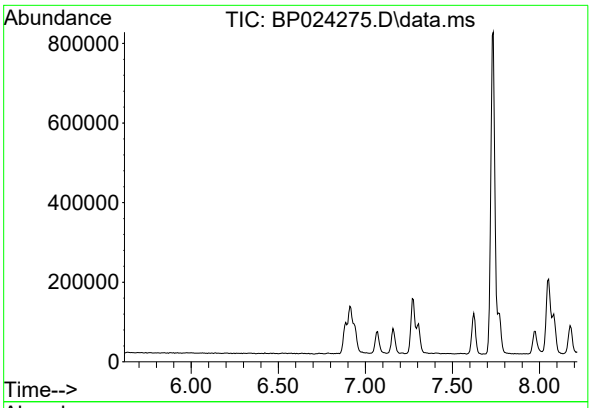
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.35 min

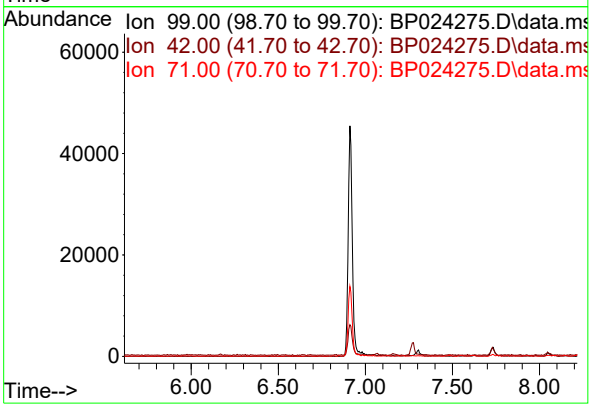
Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	51.4
63	25.7







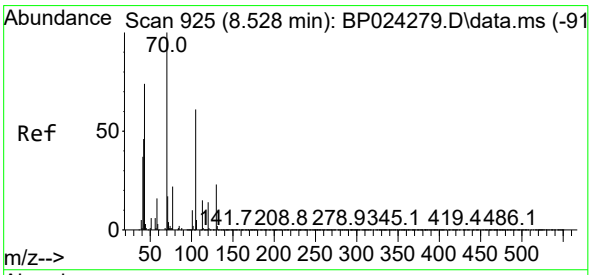
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.92 min

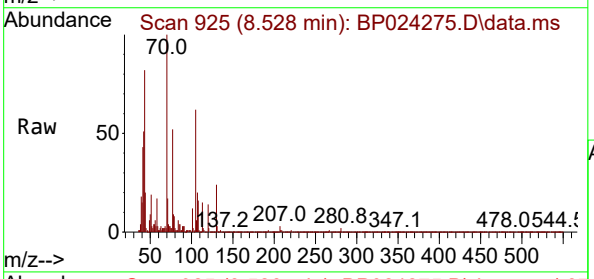
Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

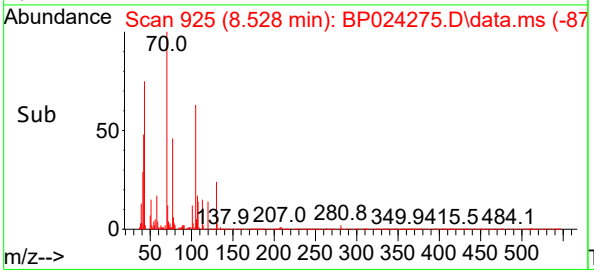
Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

Sig	Exp Ratio
99	100
42	13.3
71	29.6



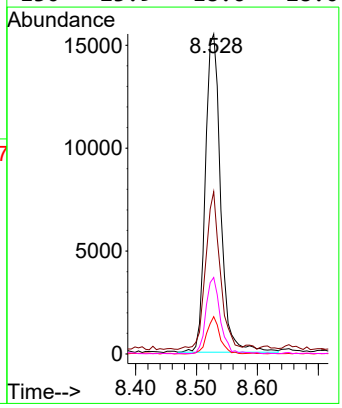


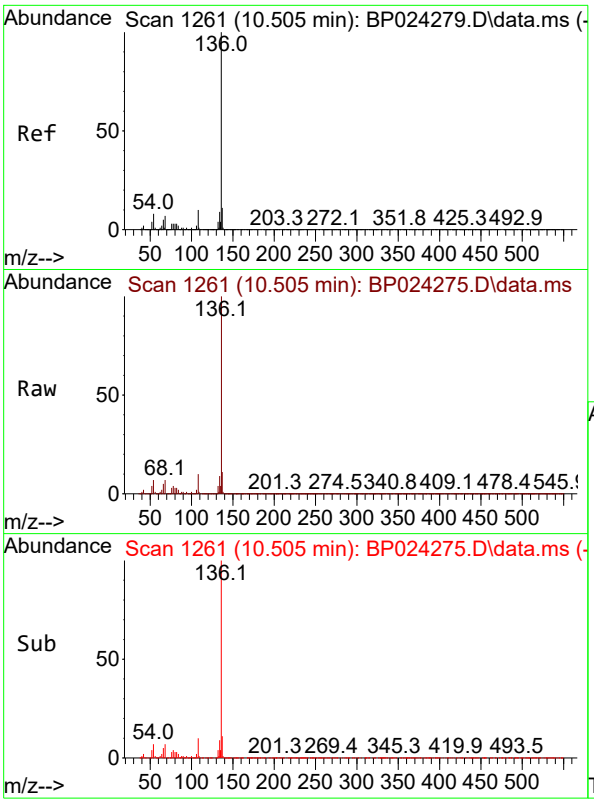


#19
n-Nitroso-di-n-propylamine
Concen: 2.285 ng
RT: 8.528 min Scan# 925
Delta R.T. 0.000 min
Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Tgt Ion: 70 Resp: 26959

Ion	Ratio	Lower	Upper
70	100		
42	50.7	37.3	55.9
101	11.7	8.2	12.4
130	23.9	18.6	28.0



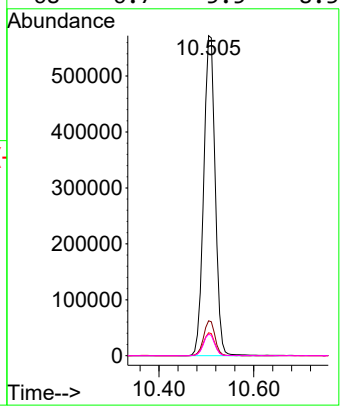


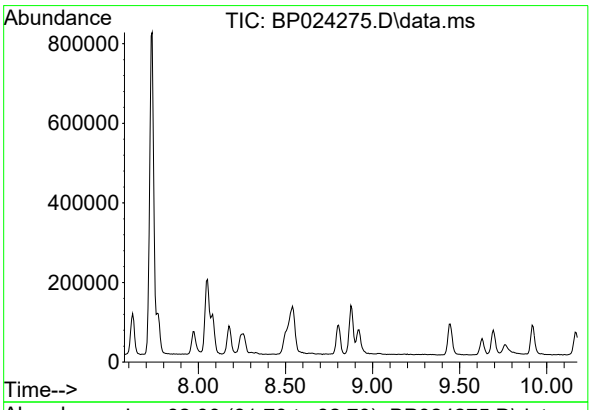
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 962244

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	7.2	6.0	9.0
68	6.7	5.5	8.3



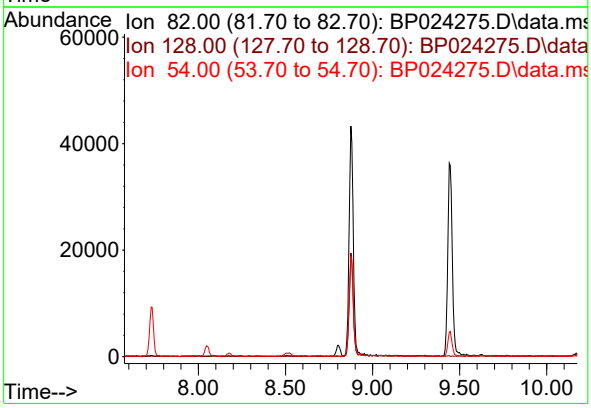


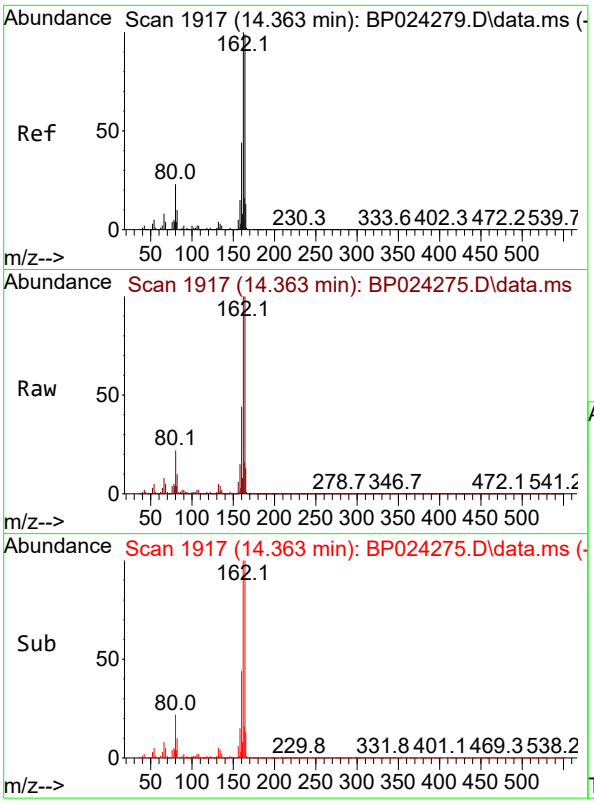
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 8.88 min

Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	45.6
54	41.8



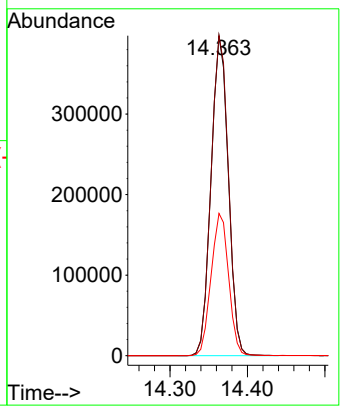


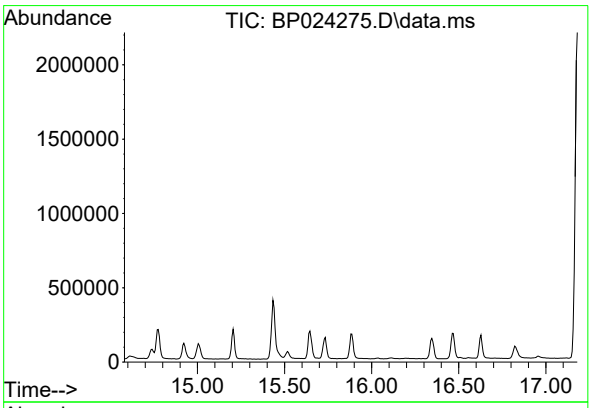
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.363 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 614109

Ion	Ratio	Lower	Upper
164	100		
162	100.1	80.6	120.8
160	44.5	35.3	52.9



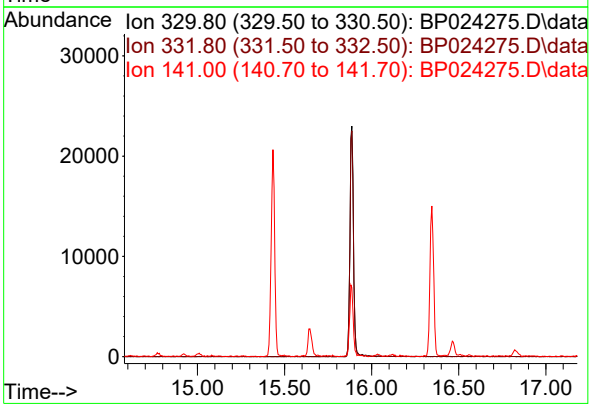


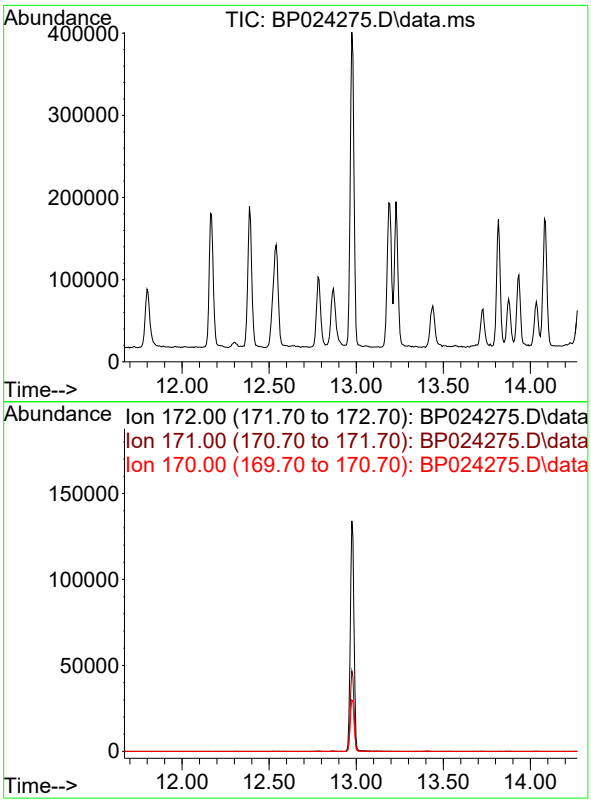
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.88 min

Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.4
141	30.9





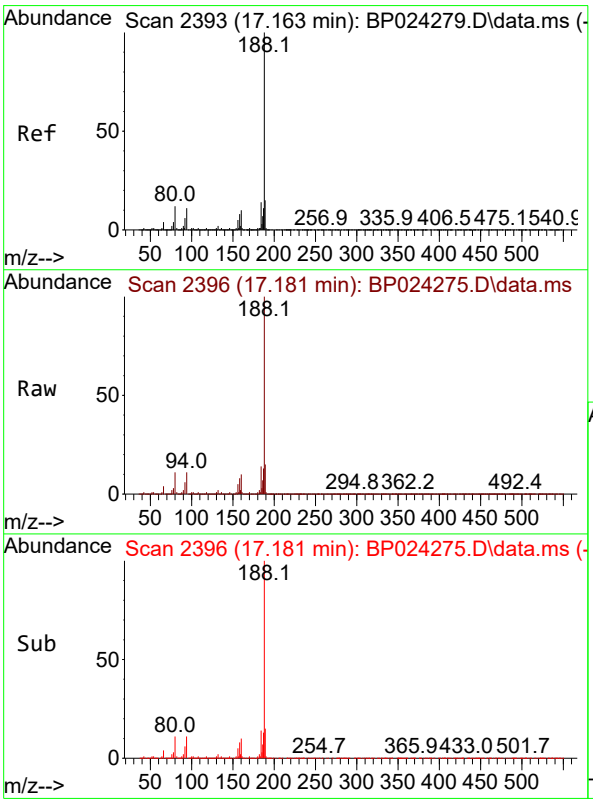
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 12.97 min

Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

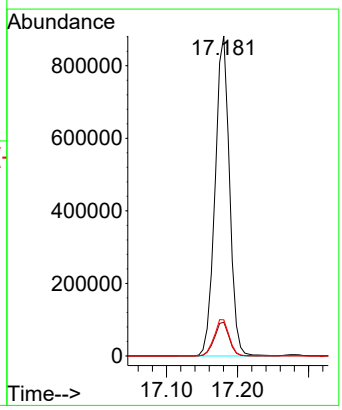
Sig	Exp Ratio
172	100
171	35.2
170	23.2

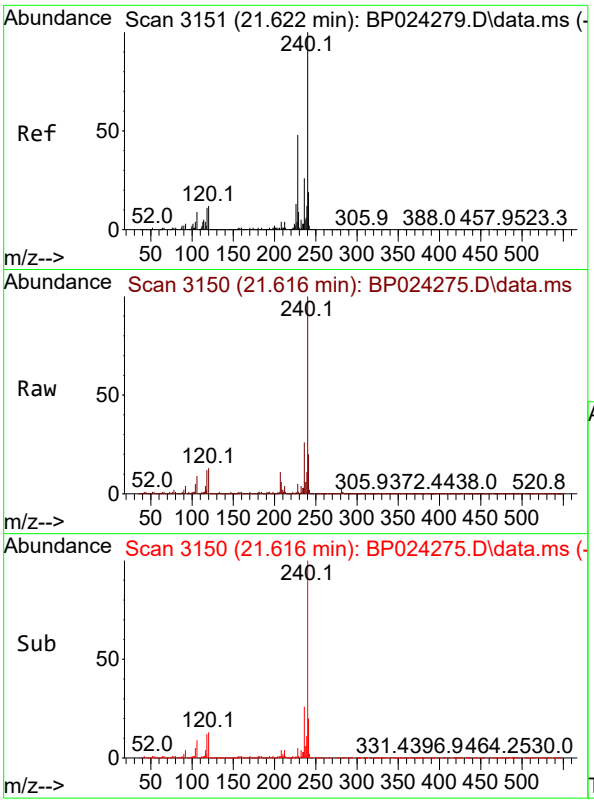


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.181 min Scan# 2396
Delta R.T. 0.018 min
Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Tgt Ion:188 Resp: 1238206

Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.6	13.0
80	11.3	9.8	14.6



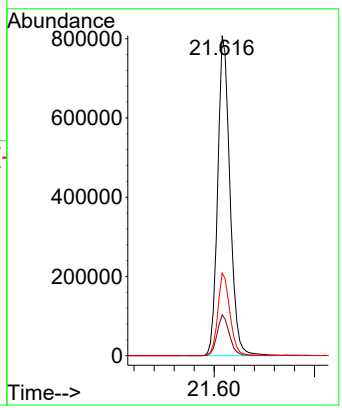


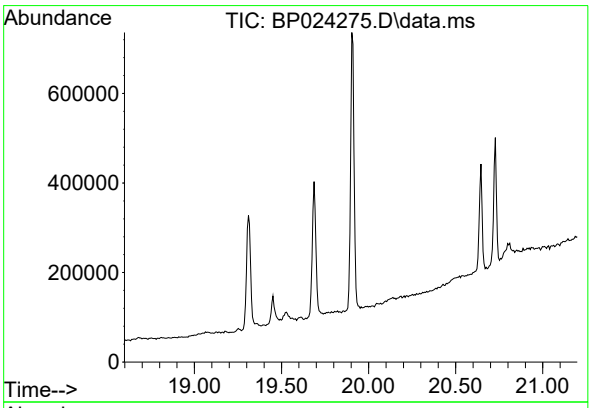
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.616 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 1367665

Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.8	14.8
236	25.9	20.9	31.3



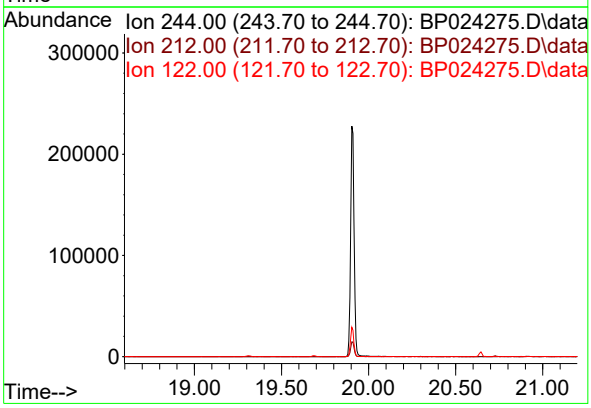


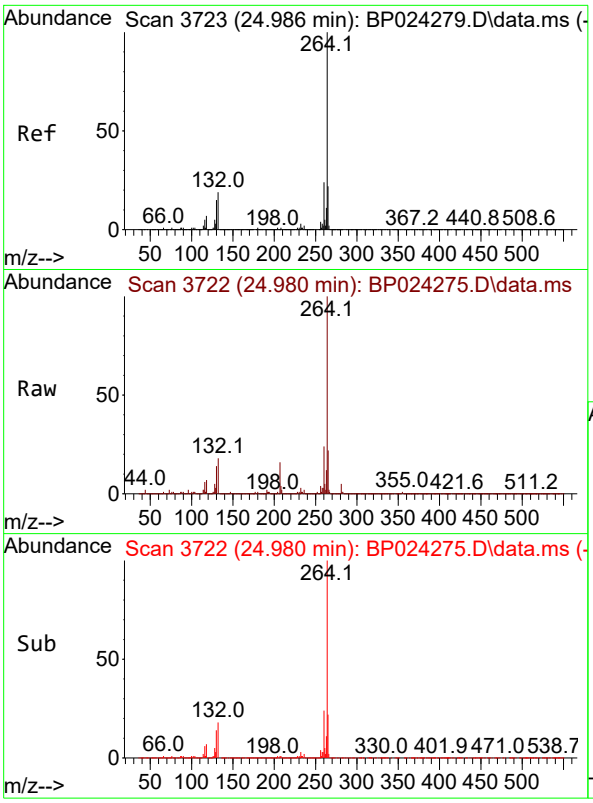
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.90 min

Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.0
122	11.7



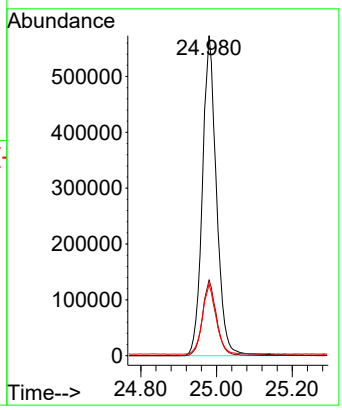


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.980 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024275.D
Acq: 14 Apr 2025 11:06

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 1473609

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	22.3	17.8	26.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024276.D
Acq On : 14 Apr 2025 11:47
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Quant Time: Apr 14 17:26:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.734	152	223010	20.000	ng		0.00
21) Naphthalene-d8	10.510	136	946483	20.000	ng		0.00
39) Acenaphthene-d10	14.369	164	609743	20.000	ng		0.00
64) Phenanthrene-d10	17.163	188	1234074	20.000	ng		0.00
76) Chrysene-d12	21.610	240	1401979	20.000	ng		-0.01
86) Perylene-d12	24.968	264	1519057	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.352	112	125173	9.263	ng		0.00
7) Phenol-d6	6.916	99	163122	8.824	ng		0.00
23) Nitrobenzene-d5	8.875	82	152286	9.160	ng		0.00
42) 2,4,6-Tribromophenol	15.875	330	71560	8.571	ng		0.00
45) 2-Fluorobiphenyl	12.975	172	406060	10.111	ng		0.00
79) Terphenyl-d14	19.886	244	677812	9.638	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.293	88	30738	5.328	ng		100
3) Pyridine	3.699	79	70539	4.697	ng		97
4) n-Nitrosodimethylamine	3.599	42	23634	4.720	ng	#	90
6) Aniline	7.069	93	80239	4.808	ng		99
8) 2-Chlorophenol	7.305	128	70239	4.651	ng		98
9) Benzaldehyde	6.887	77	52595m	5.493	ng		
10) Phenol	6.940	94	82245	4.431	ng		97
11) bis(2-Chloroethyl)ether	7.163	93	71228	4.749	ng		97
12) 1,3-Dichlorobenzene	7.622	146	81600	4.987	ng		98
13) 1,4-Dichlorobenzene	7.769	146	83408	5.027	ng		99
14) 1,2-Dichlorobenzene	8.081	146	82066	5.115	ng		98
15) Benzyl Alcohol	7.975	79	47777	4.032	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.258	45	80975	4.962	ng		97
17) 2-Methylphenol	8.175	107	51039	4.267	ng		99
18) Hexachloroethane	8.805	117	29643	4.950	ng		99
19) n-Nitroso-di-n-propyla...	8.528	70	56212	4.896	ng		96
20) 3+4-Methylphenols	8.505	107	68264	4.120	ng		99
22) Acetophenone	8.546	105	111159	4.725	ng		99
24) Nitrobenzene	8.922	77	77593	4.709	ng		96
25) Isophorone	9.446	82	136090	4.534	ng		99
26) 2-Nitrophenol	9.628	139	30712	3.882	ng		99
27) 2,4-Dimethylphenol	9.693	122	42510	4.239	ng		94
28) bis(2-Chloroethoxy)met...	9.922	93	97512	4.774	ng		98
29) 2,4-Dichlorophenol	10.169	162	57301	4.193	ng		97
30) 1,2,4-Trichlorobenzene	10.369	180	72789	4.923	ng		98
31) Naphthalene	10.557	128	246999	4.930	ng		99
33) 4-Chloroaniline	10.669	127	77667	4.437	ng		98
34) Hexachlorobutadiene	10.846	225	42723	4.926	ng		99
35) Caprolactam	11.446	113	20082	4.002	ng		94
36) 4-Chloro-3-methylphenol	11.804	107	67116	4.214	ng		100
37) 2-Methylnaphthalene	12.169	142	165617	4.770	ng		99
38) 1-Methylnaphthalene	12.399	142	165656	4.870	ng		99
40) 1,2,4,5-Tetrachloroben...	12.540	216	79501	4.744	ng		100
41) Hexachlorocyclopentadiene	12.528	237	24696	4.198	ng		96
43) 2,4,6-Trichlorophenol	12.787	196	45925	4.165	ng		95
44) 2,4,5-Trichlorophenol	12.863	196	50675	4.147	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024276.D
Acq On : 14 Apr 2025 11:47
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Quant Time: Apr 14 17:26:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

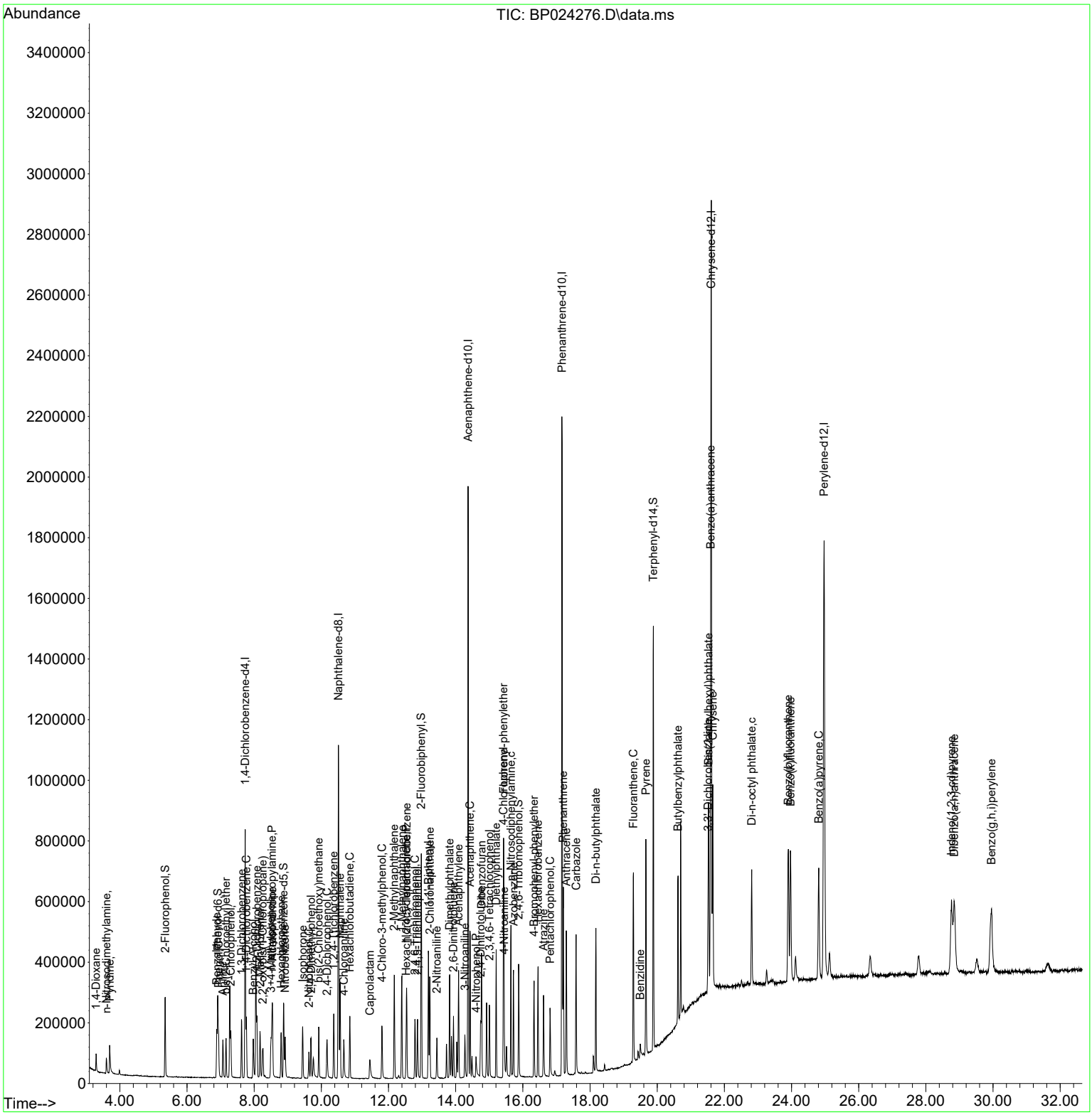
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	13.187	154	221653	4.922	ng		99
47) 2-Chloronaphthalene	13.234	162	162099	4.824	ng		99
48) 2-Nitroaniline	13.440	65	38152	4.111	ng		90
49) Acenaphthylene	14.087	152	244566	4.637	ng		99
50) Dimethylphthalate	13.822	163	217848	4.897	ng		100
51) 2,6-Dinitrotoluene	13.934	165	40182	4.287	ng		94
52) Acenaphthene	14.428	154	165694	4.940	ng		97
53) 3-Nitroaniline	14.275	138	38178	3.926	ng	#	94
55) Dibenzofuran	14.769	168	274506	4.991	ng		99
56) 4-Nitrophenol	14.610	139	29033	3.473	ng		98
57) 2,4-Dinitrotoluene	14.745	165	50843	4.013	ng		97
58) Fluorene	15.428	166	209763	4.939	ng		97
59) 2,3,4,6-Tetrachlorophenol	15.004	232	49911	4.415	ng		98
60) Diethylphthalate	15.204	149	221119	4.830	ng		99
61) 4-Chlorophenyl-phenyle...	15.422	204	101636	4.928	ng		99
62) 4-Nitroaniline	15.445	138	40139	3.893	ng		96
63) Azobenzene	15.722	77	193402	4.586	ng		99
66) n-Nitrosodiphenylamine	15.645	169	174867	4.726	ng		99
67) 4-Bromophenyl-phenylether	16.334	248	62558	4.647	ng		97
68) Hexachlorobenzene	16.451	284	76267	4.766	ng		96
69) Atrazine	16.616	200	54439	5.803	ng		98
70) Pentachlorophenol	16.810	266	44119	4.015	ng		98
71) Phenanthrene	17.204	178	338611	5.005	ng		100
72) Anthracene	17.292	178	307065	4.716	ng		99
73) Carbazole	17.586	167	298495	4.711	ng		100
74) Di-n-butylphthalate	18.175	149	354008	4.484	ng		100
75) Fluoranthene	19.292	202	397601	4.951	ng		99
77) Benzidine	19.498	184	50615m	2.925	ng		
78) Pyrene	19.663	202	417746	4.657	ng		99
80) Butylbenzylphthalate	20.622	149	152196	4.024	ng		99
81) Benzo(a)anthracene	21.592	228	418745	4.791	ng		100
82) 3,3'-Dichlorobenzidine	21.516	252	121047	3.994	ng		99
83) Chrysene	21.657	228	413570	4.937	ng		99
84) Bis(2-ethylhexyl)phtha...	21.533	149	223960	4.021	ng		98
85) Di-n-octyl phthalate	22.816	149	331185	3.712	ng		99
87) Indeno(1,2,3-cd)pyrene	28.762	276	475578	4.552	ng	#	92
88) Benzo(b)fluoranthene	23.904	252	429214	4.723	ng		99
89) Benzo(k)fluoranthene	23.968	252	413302	4.686	ng		99
90) Benzo(a)pyrene	24.810	252	356658	4.559	ng		98
91) Dibenzo(a,h)anthracene	28.845	278	397247	4.571	ng		100
92) Benzo(g,h,i)perylene	29.951	276	407522	4.607	ng		99

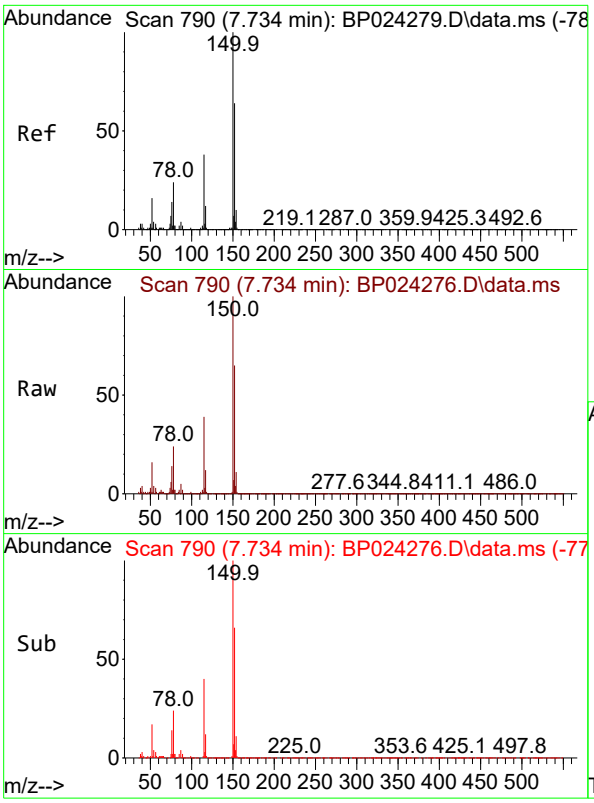
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024276.D
Acq On : 14 Apr 2025 11:47
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Quant Time: Apr 14 17:26:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration



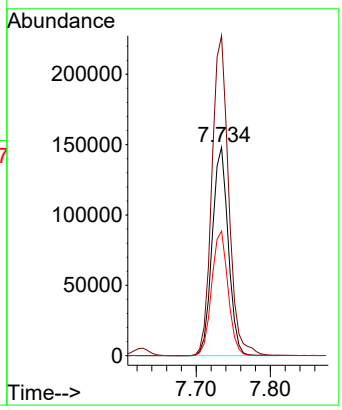


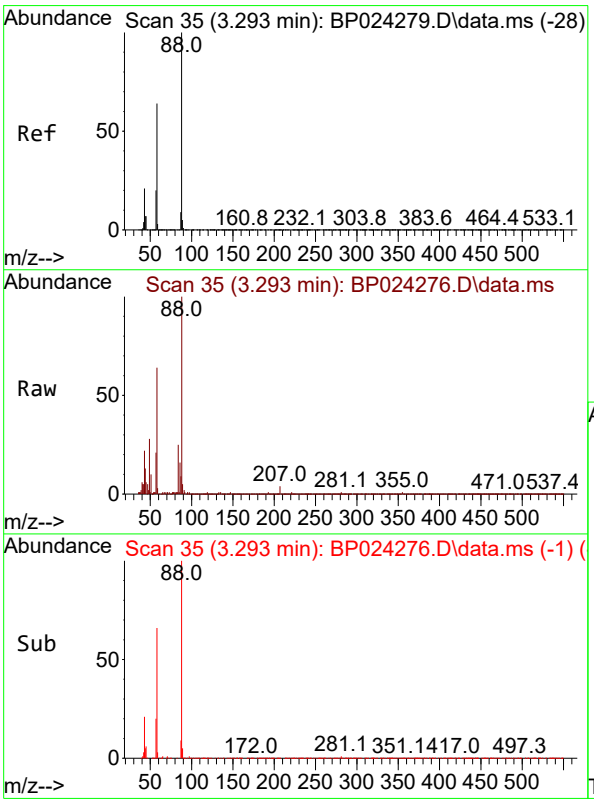
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.734 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 223010

Ion	Ratio	Lower	Upper
152	100		
150	153.5	124.9	187.3
115	59.8	47.7	71.5

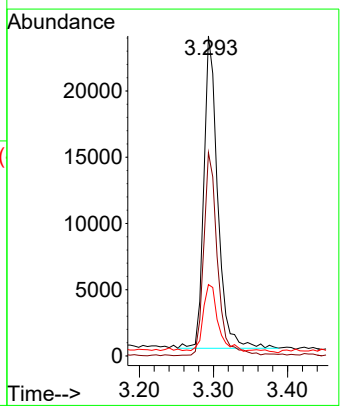


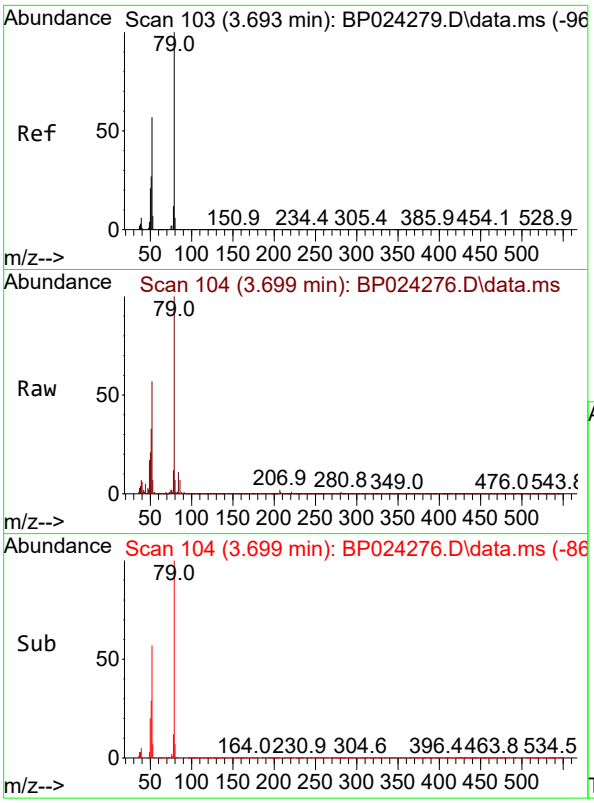


#2
1,4-Dioxane
Concen: 5.328 ng
RT: 3.293 min Scan# 35
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion: 88 Resp: 30738

Ion	Ratio	Lower	Upper
88	100		
58	64.3	51.4	77.2
43	22.3	17.1	25.7



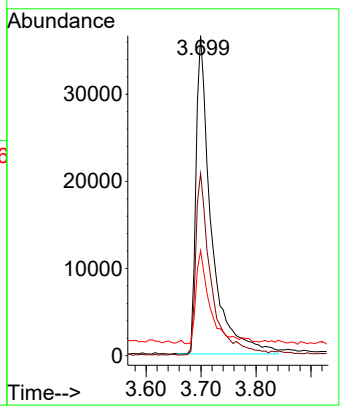


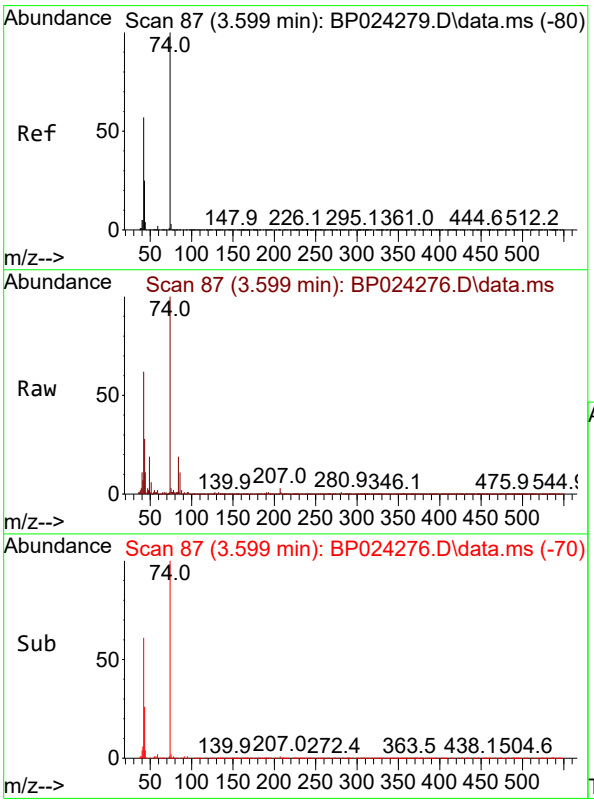
#3
Pyridine
Concen: 4.697 ng
RT: 3.699 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 70539

Ion	Ratio	Lower	Upper
79	100		
52	56.9	45.4	68.2
51	32.8	22.6	33.8

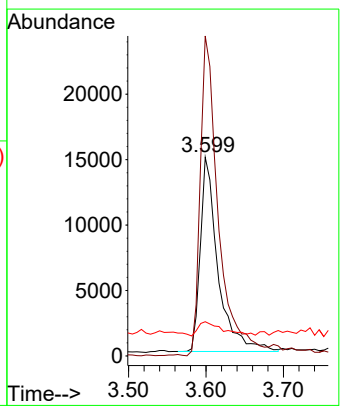


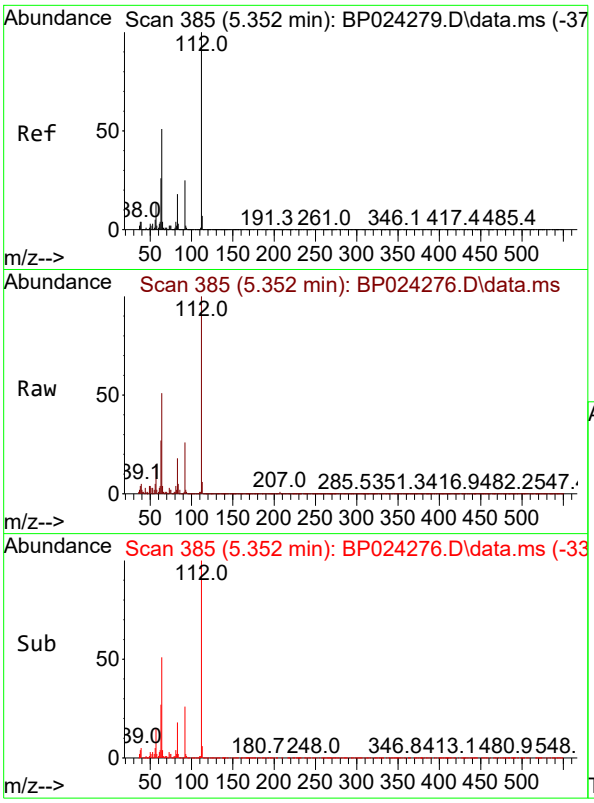


#4
n-Nitrosodimethylamine
Concen: 4.720 ng
RT: 3.599 min Scan# 87
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion: 42 Resp: 23634

Ion	Ratio	Lower	Upper
42	100		
74	161.0	139.5	209.3
44	17.2	5.8	8.8#



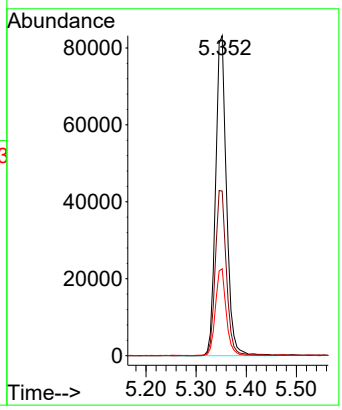


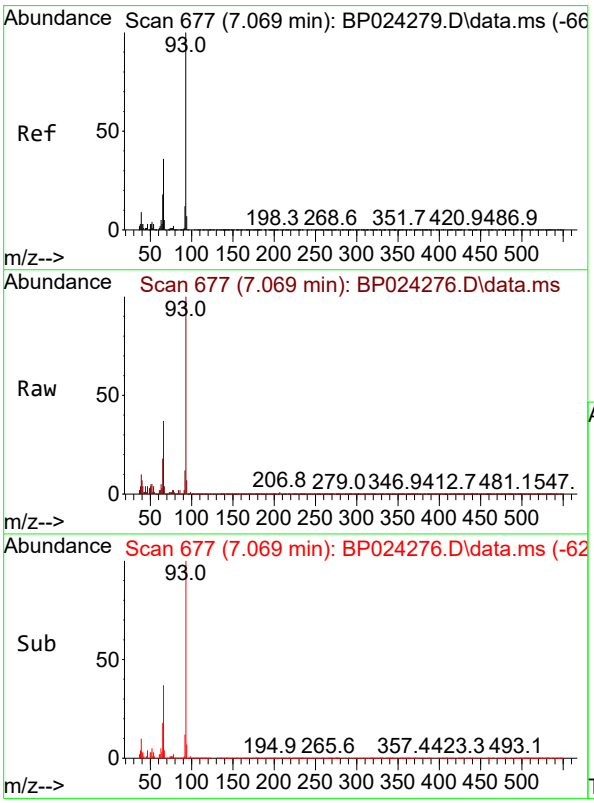
#5
2-Fluorophenol
Concen: 9.263 ng
RT: 5.352 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:112 Resp: 125173

Ion	Ratio	Lower	Upper
112	100		
64	51.4	41.1	61.7
63	27.1	20.6	30.8

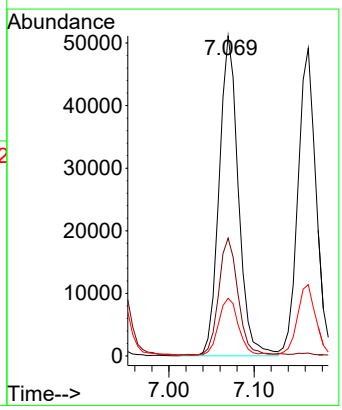


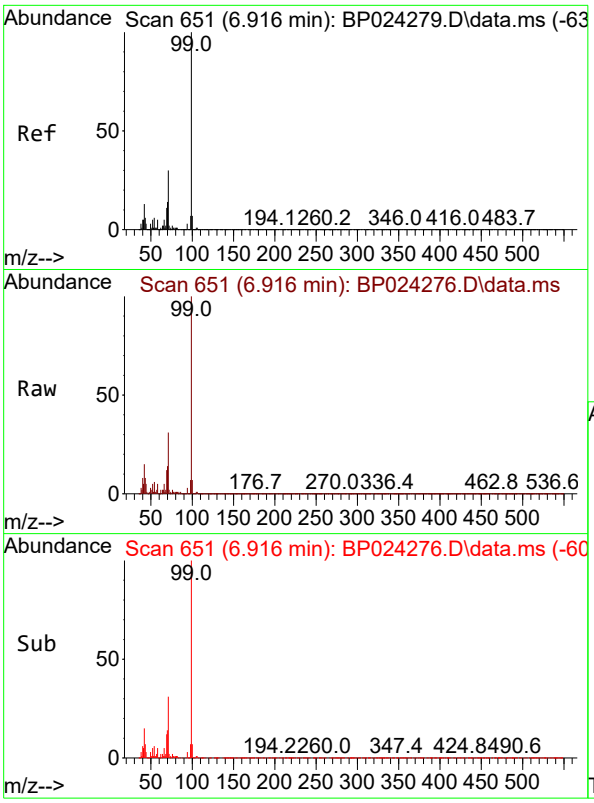


#6
Aniline
Concen: 4.808 ng
RT: 7.069 min Scan# 677
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion: 93 Resp: 80239

Ion	Ratio	Lower	Upper
93	100		
66	36.8	29.1	43.7
65	18.0	14.7	22.1



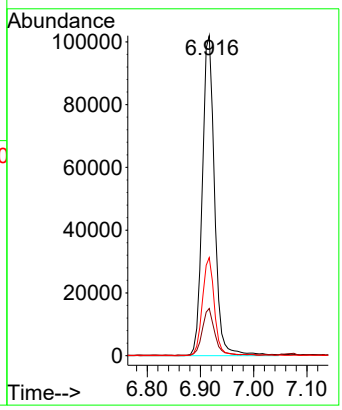


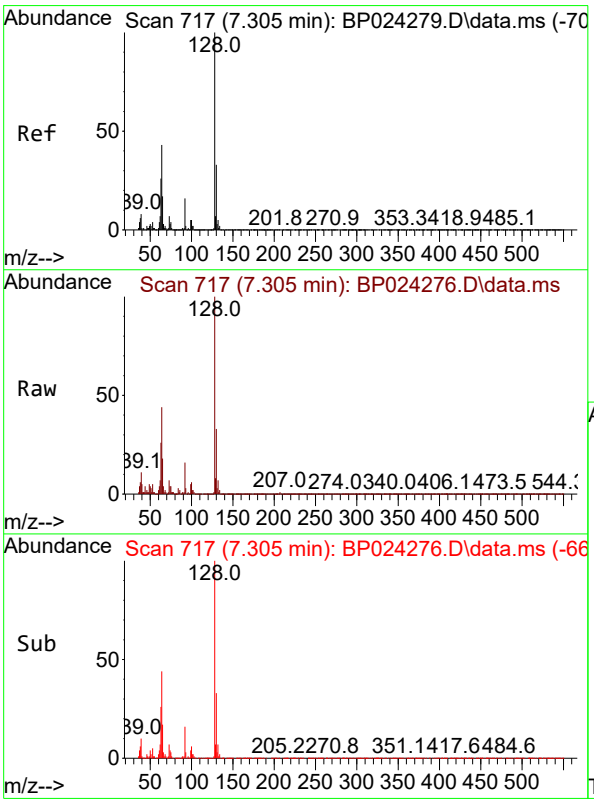
#7
Phenol-d6
Concen: 8.824 ng
RT: 6.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 99 Resp: 163122

Ion	Ratio	Lower	Upper
99	100		
42	14.7	10.6	16.0
71	30.7	23.7	35.5

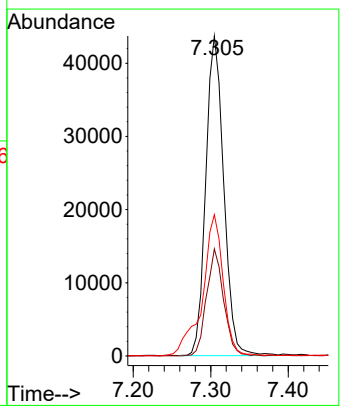


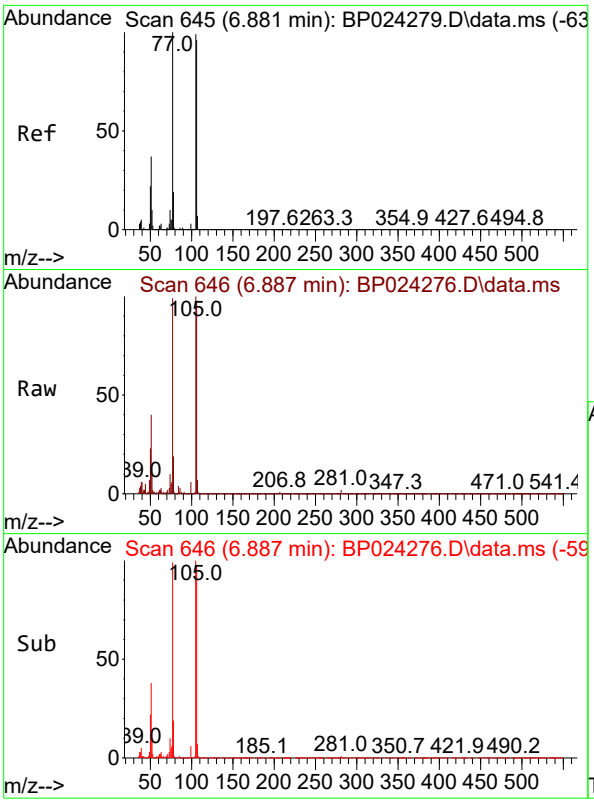


#8
2-Chlorophenol
Concen: 4.651 ng
RT: 7.305 min Scan# 717
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:128 Resp: 70239

Ion	Ratio	Lower	Upper
128	100		
130	33.5	12.9	52.9
64	44.2	22.7	62.7



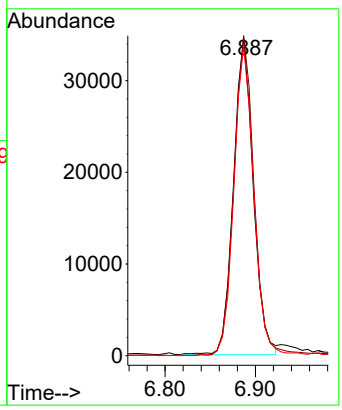


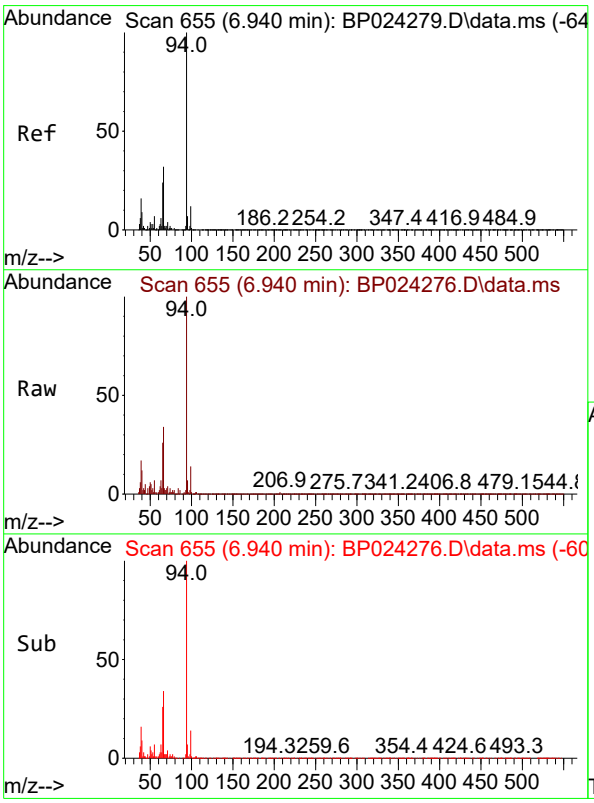
#9
Benzaldehyde
Concen: 5.493 ng m
RT: 6.887 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 52595

Ion	Ratio	Lower	Upper
77	100		
105	100.6	79.2	119.2
106	97.4	76.2	116.2

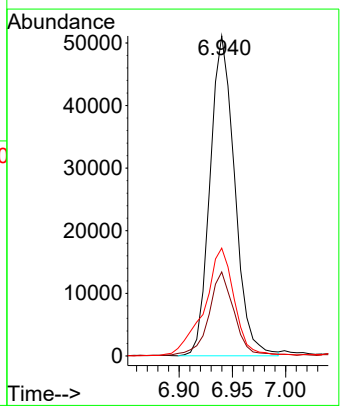


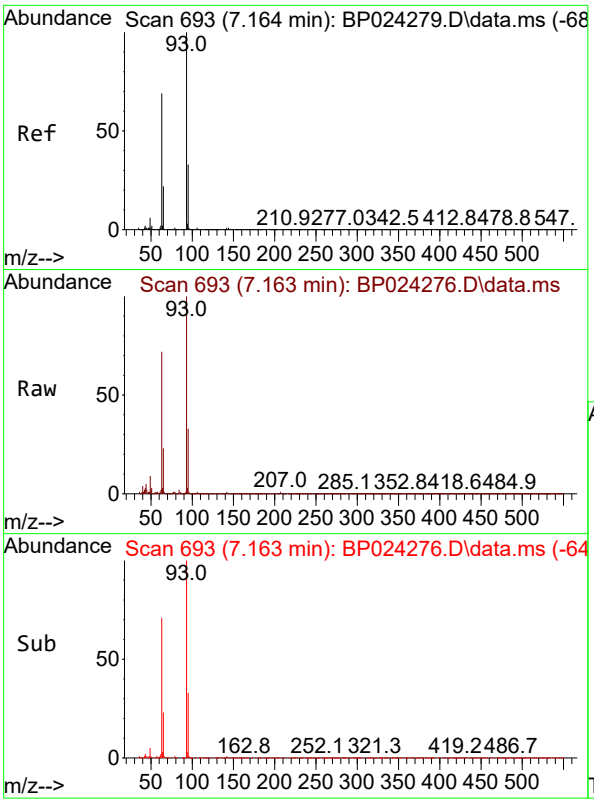


#10
Phenol
Concen: 4.431 ng
RT: 6.940 min Scan# 655
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion: 94 Resp: 82245

Ion	Ratio	Lower	Upper
94	100		
65	26.3	4.5	44.5
66	33.7	12.4	52.4



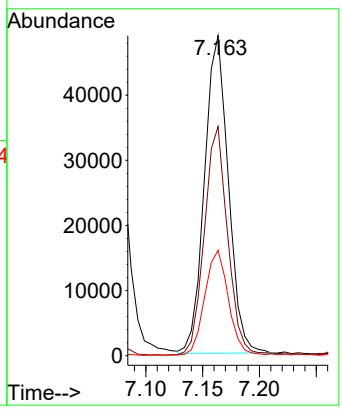


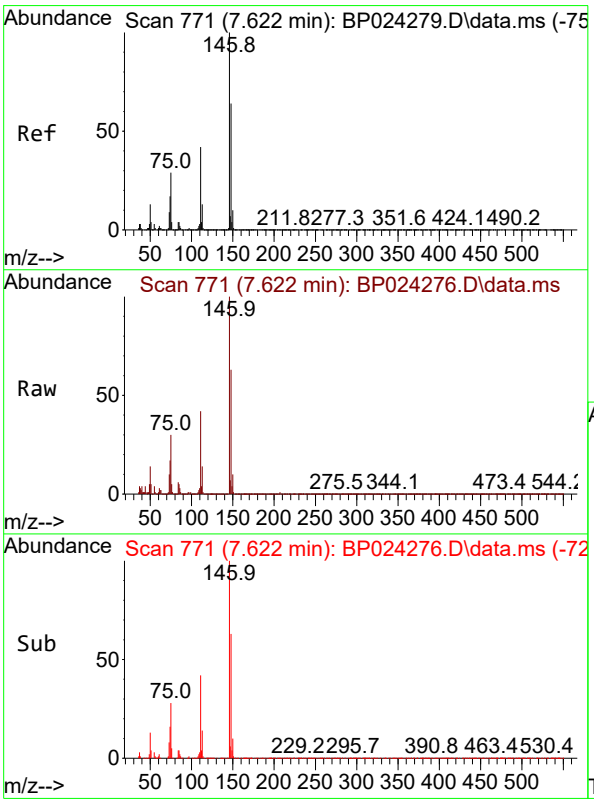
#11
bis(2-Chloroethyl)ether
Concen: 4.749 ng
RT: 7.163 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 71228

Ion	Ratio	Lower	Upper
93	100		
63	71.6	48.6	88.6
95	32.9	12.3	52.3

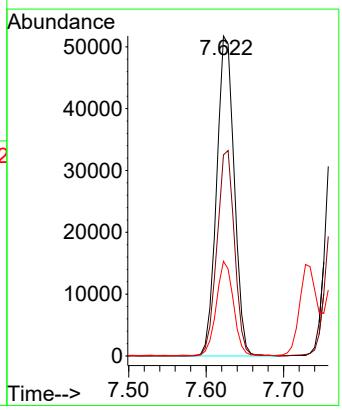


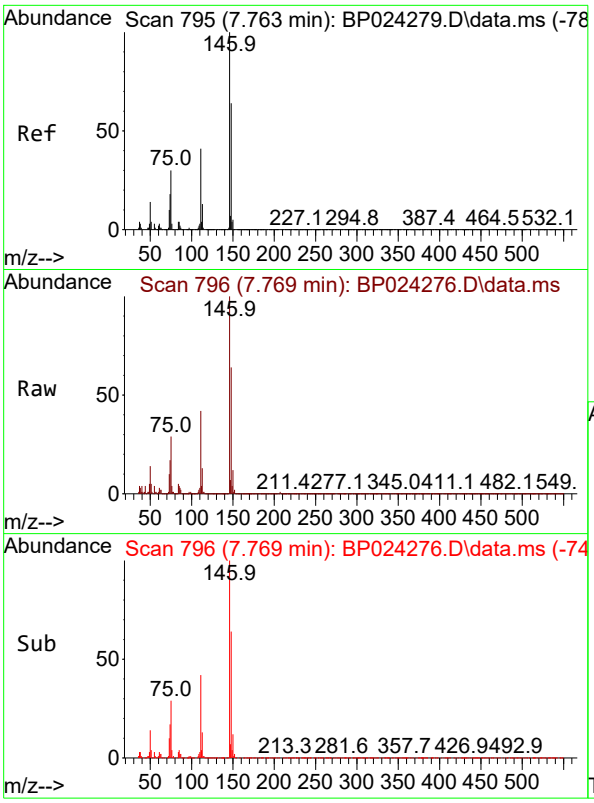


#12
1,3-Dichlorobenzene
Concen: 4.987 ng
RT: 7.622 min Scan# 771
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:146 Resp: 81600

Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.4	77.0
75	29.6	22.9	34.3



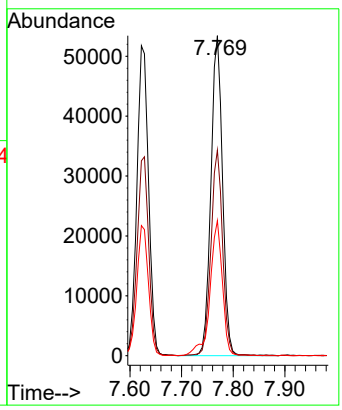


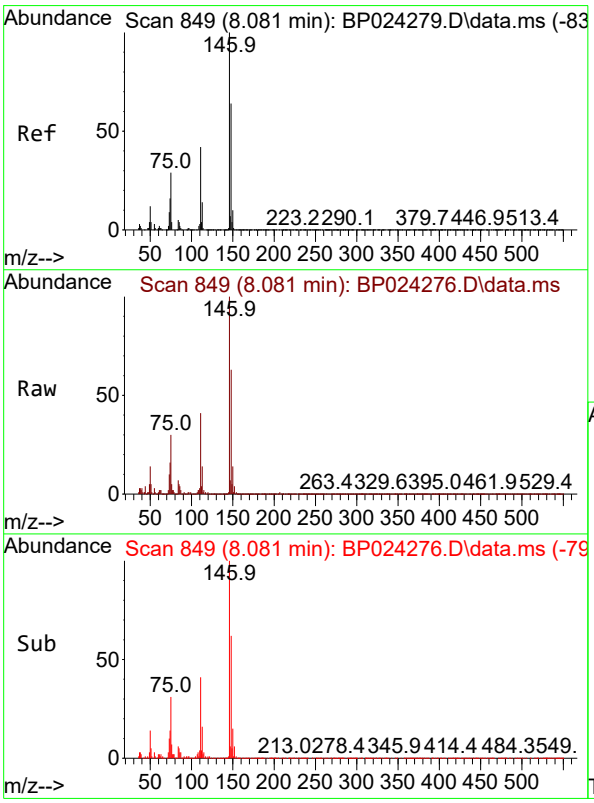
#13
1,4-Dichlorobenzene
Concen: 5.027 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 83408

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.1	76.7
111	42.2	32.6	48.8

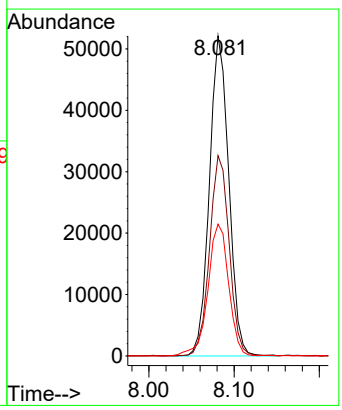


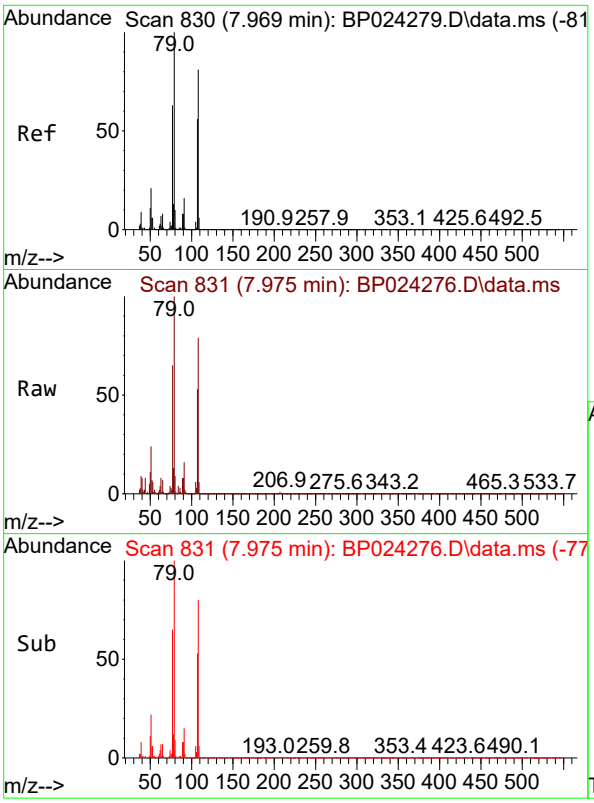


#14
1,2-Dichlorobenzene
Concen: 5.115 ng
RT: 8.081 min Scan# 849
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:146 Resp: 82066

Ion	Ratio	Lower	Upper
146	100		
148	62.6	51.0	76.4
111	41.2	33.8	50.8



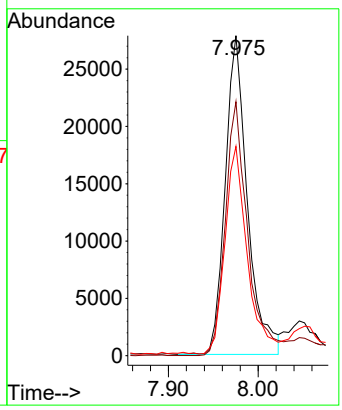


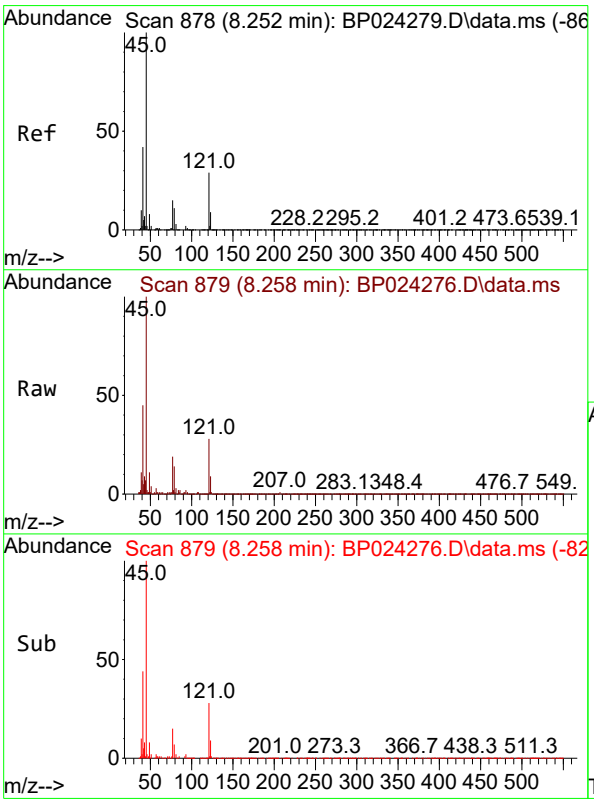
#15
Benzyl Alcohol
Concen: 4.032 ng
RT: 7.975 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 47777

Ion	Ratio	Lower	Upper
79	100		
108	79.4	65.1	97.7
77	65.4	50.7	76.1

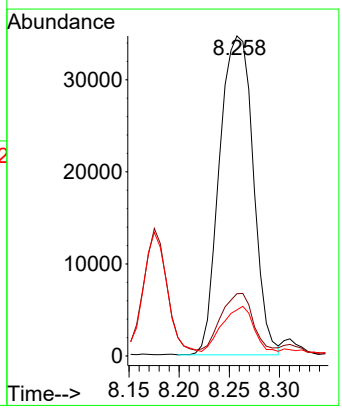


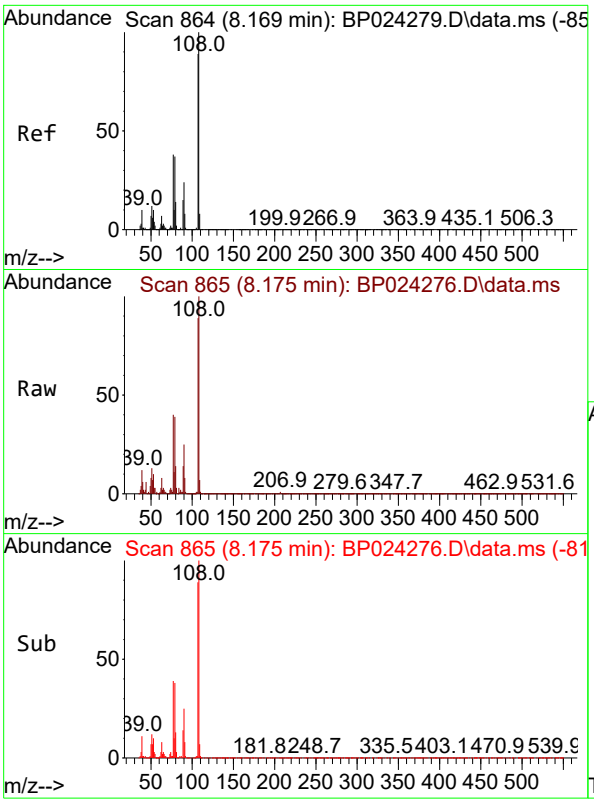


#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.962 ng
RT: 8.258 min Scan# 879
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion: 45 Resp: 80975

Ion	Ratio	Lower	Upper
45	100		
77	19.4	0.0	37.7
79	14.4	0.0	33.5



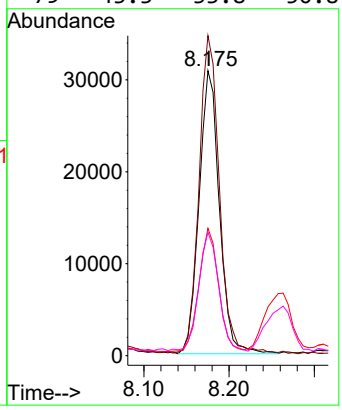


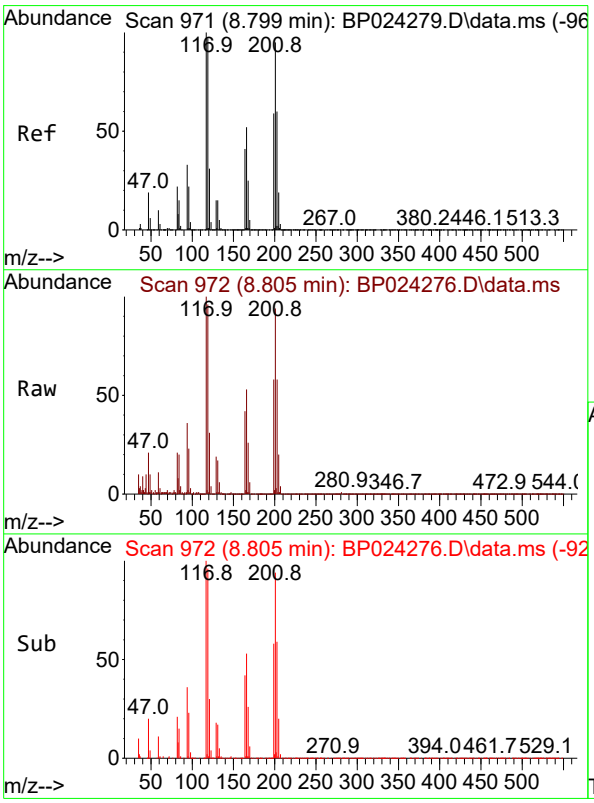
#17
2-Methylphenol
Concen: 4.267 ng
RT: 8.175 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:107 Resp: 51039

Ion	Ratio	Lower	Upper
107	100		
108	112.3	89.8	134.6
77	44.7	34.2	51.4
79	43.3	33.8	50.8

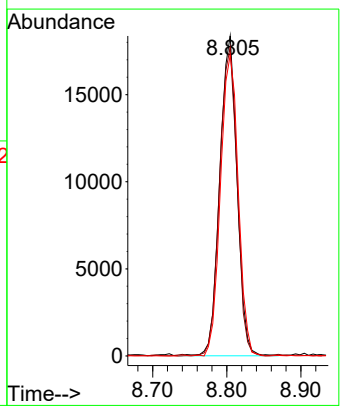


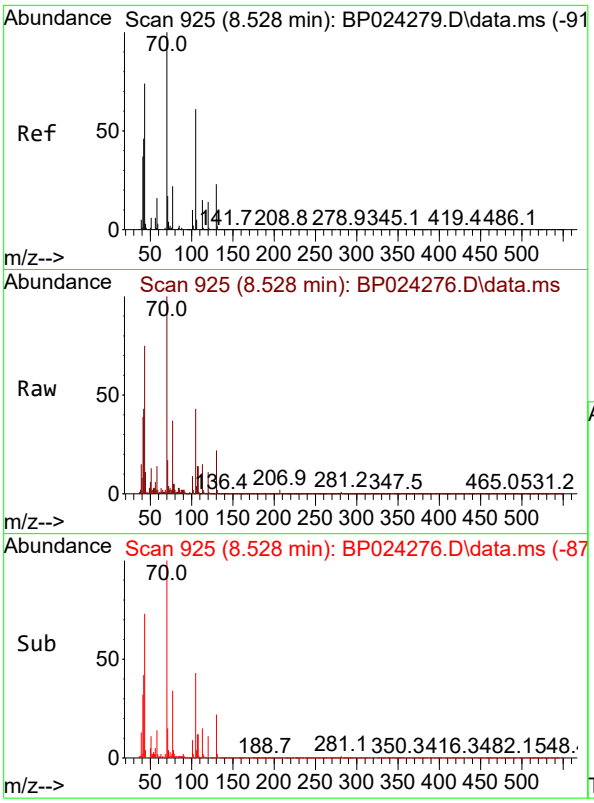


#18
Hexachloroethane
Concen: 4.950 ng
RT: 8.805 min Scan# 972
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:117 Resp: 29643

Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.8	116.6
201	96.8	75.9	113.9



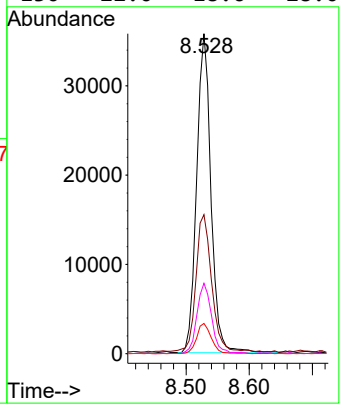


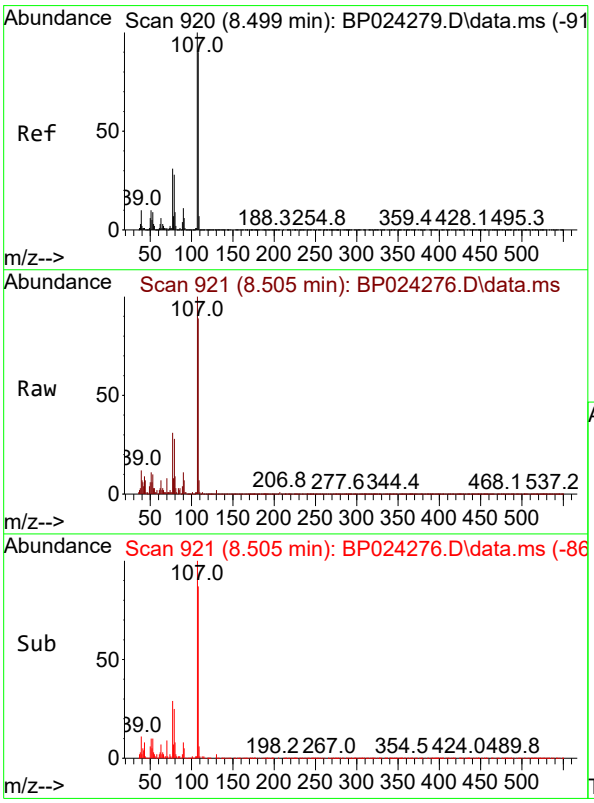
#19
n-Nitroso-di-n-propylamine
Concen: 4.896 ng
RT: 8.528 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 70 Resp: 56212

Ion	Ratio	Lower	Upper
70	100		
42	43.5	37.3	55.9
101	9.4	8.2	12.4
130	22.0	18.6	28.0

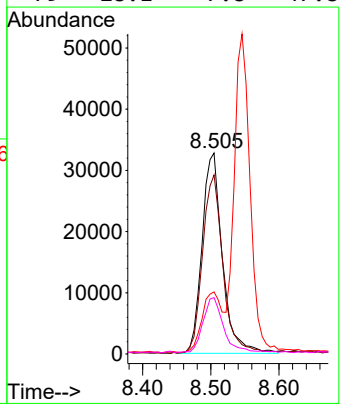


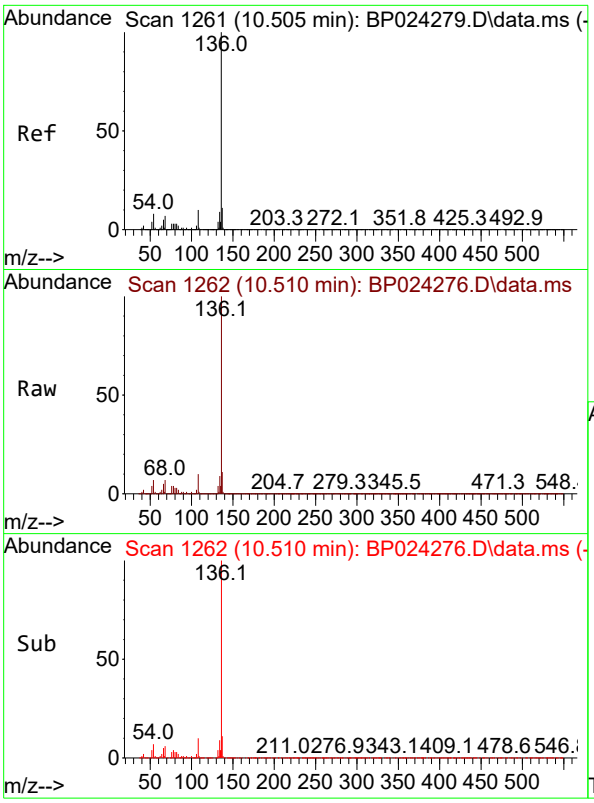


#20
3+4-Methylphenols
Concen: 4.120 ng
RT: 8.505 min Scan# 921
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:107 Resp: 68264

Ion	Ratio	Lower	Upper
107	100		
108	89.1	69.8	109.8
77	30.9	11.5	51.5
79	28.1	7.8	47.8



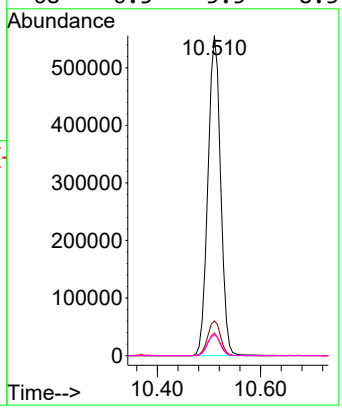


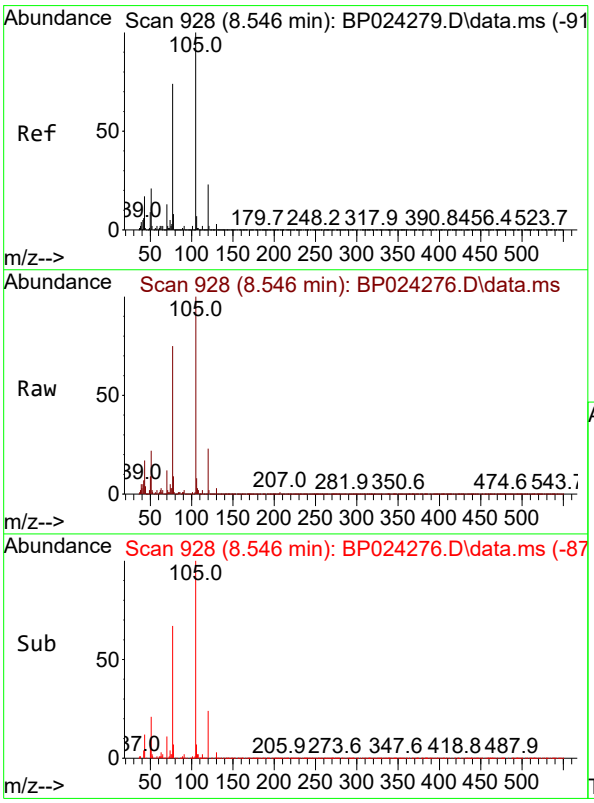
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.510 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:136 Resp: 946483

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	7.1	6.0	9.0
68	6.5	5.5	8.3

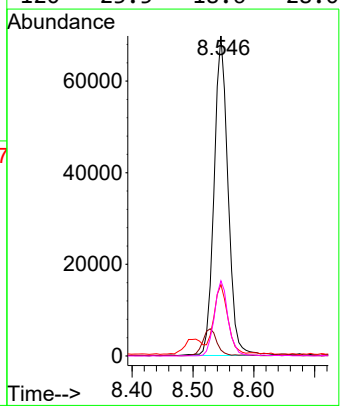


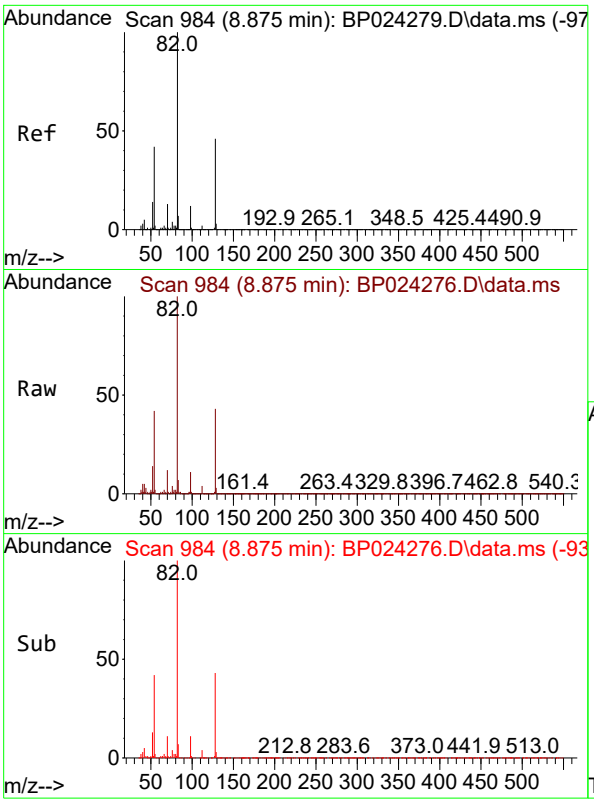


#22
Acetophenone
Concen: 4.725 ng
RT: 8.546 min Scan# 928
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:105 Resp: 111159

Ion	Ratio	Lower	Upper
105	100		
71	1.9	1.7	2.5
51	22.3	16.9	25.3
120	23.5	18.6	28.0



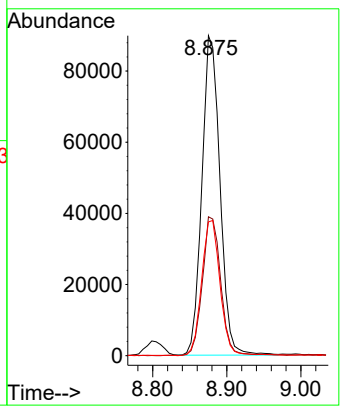


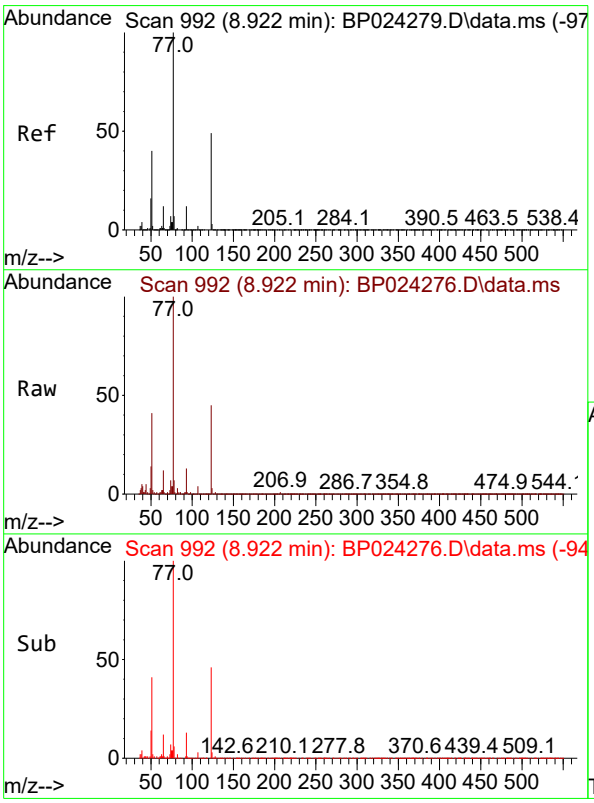
#23
Nitrobenzene-d5
Concen: 9.160 ng
RT: 8.875 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 152286

Ion	Ratio	Lower	Upper
82	100		
128	43.4	36.5	54.7
54	41.8	33.4	50.2

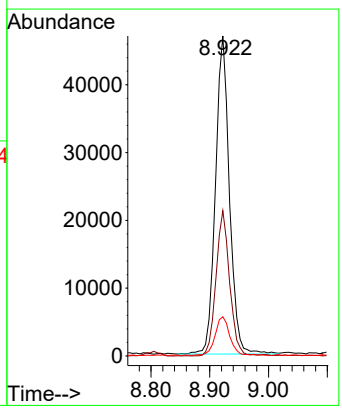


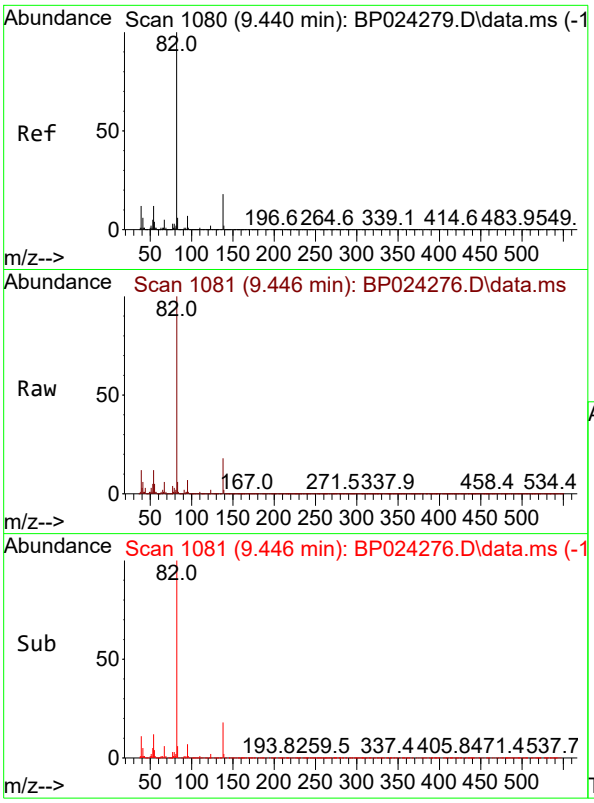


#24
Nitrobenzene
Concen: 4.709 ng
RT: 8.922 min Scan# 992
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion: 77 Resp: 77593

Ion	Ratio	Lower	Upper
77	100		
123	45.4	39.2	58.8
65	12.3	9.8	14.6



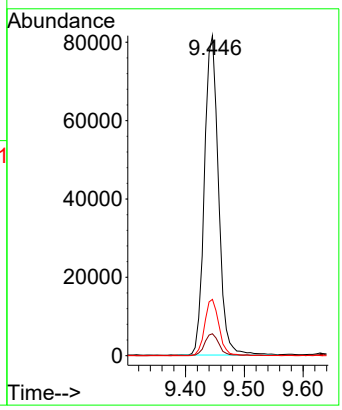


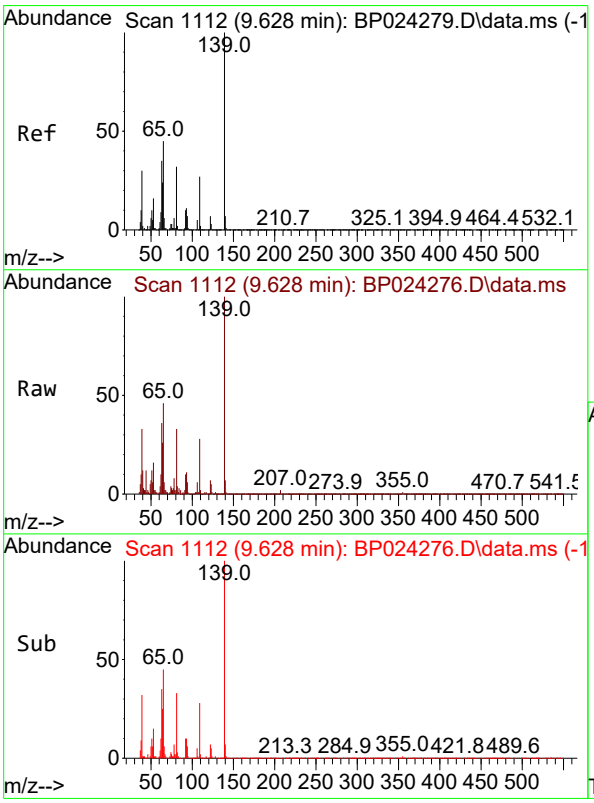
#25
Isophorone
Concen: 4.534 ng
RT: 9.446 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 136090

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.4	8.2
138	17.6	14.4	21.6

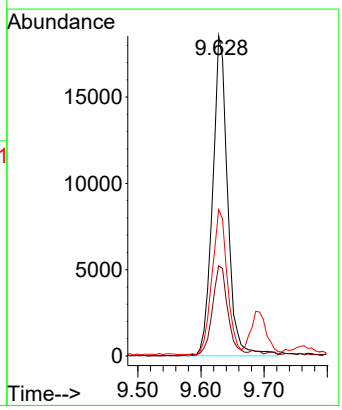


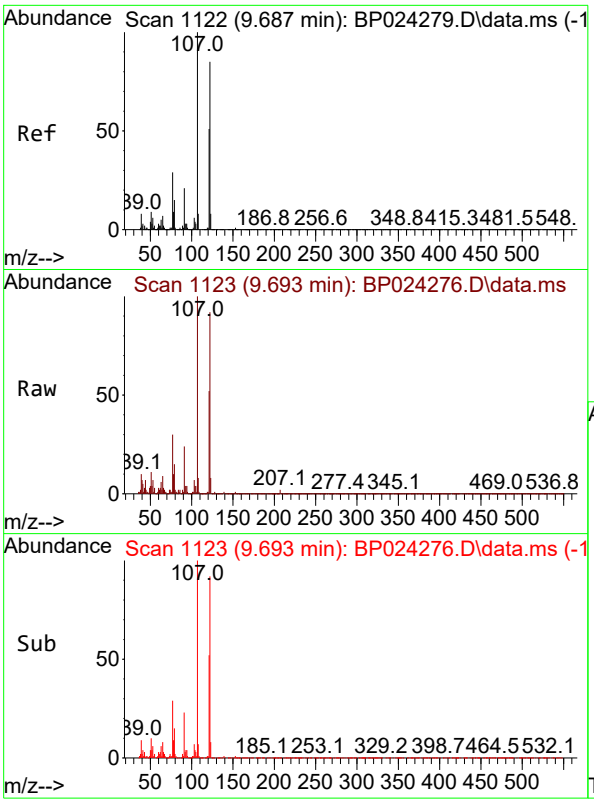


#26
2-Nitrophenol
Concen: 3.882 ng
RT: 9.628 min Scan# 1112
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:139 Resp: 30712

Ion	Ratio	Lower	Upper
139	100		
109	28.1	21.8	32.6
65	45.7	36.2	54.2



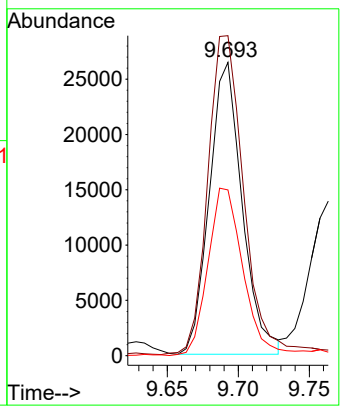


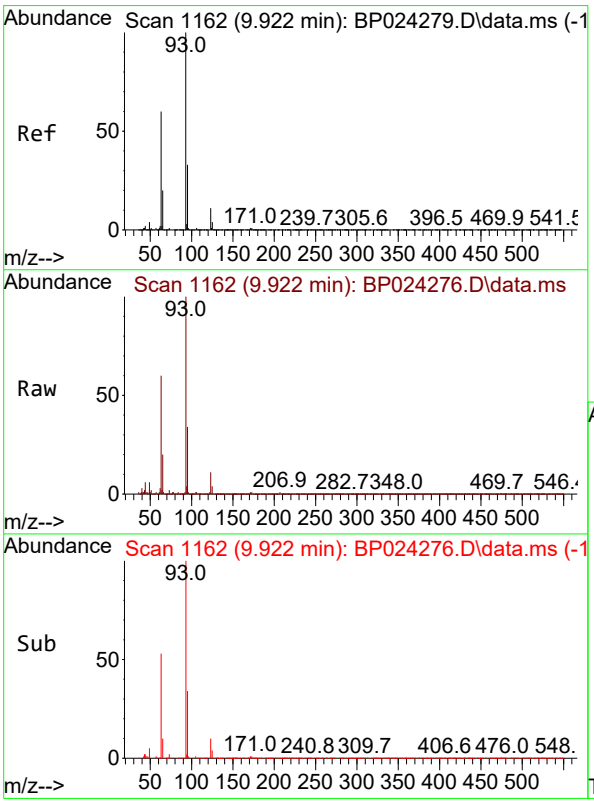
#27
2,4-Dimethylphenol
Concen: 4.239 ng
RT: 9.693 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:122 Resp: 42510

Ion	Ratio	Lower	Upper
122	100		
107	109.1	93.7	140.5
121	56.5	48.2	72.2

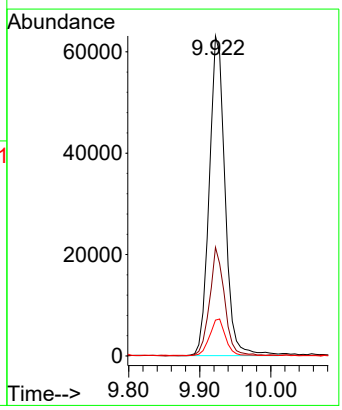


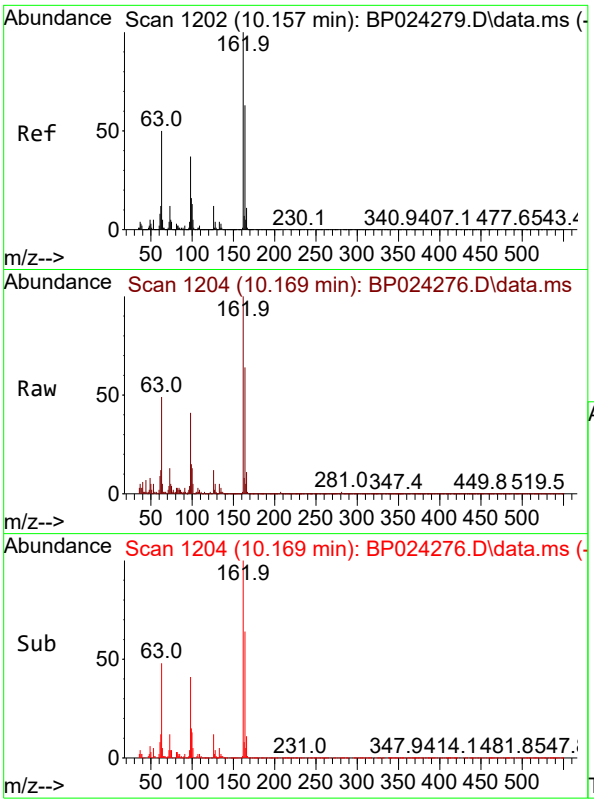


#28
bis(2-Chloroethoxy)methane
Concen: 4.774 ng
RT: 9.922 min Scan# 1162
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion: 93 Resp: 97512

Ion	Ratio	Lower	Upper
93	100		
95	34.0	26.0	39.0
123	11.2	9.1	13.7



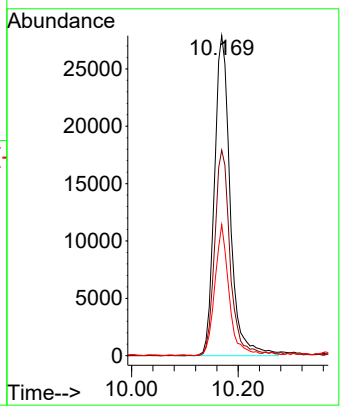


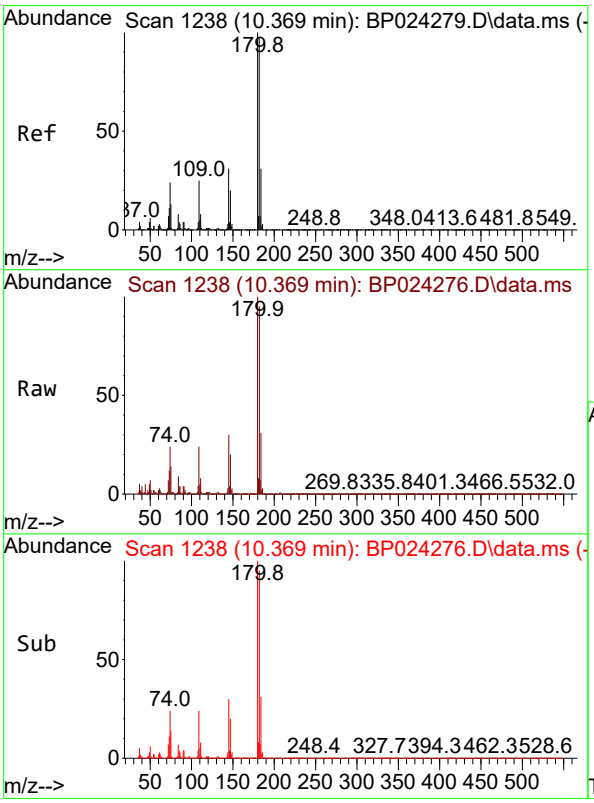
#29
2,4-Dichlorophenol
Concen: 4.193 ng
RT: 10.169 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 57301

Ion	Ratio	Lower	Upper
162	100		
164	64.2	43.3	83.3
98	41.0	16.6	56.6

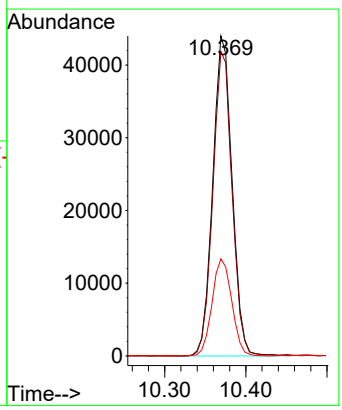


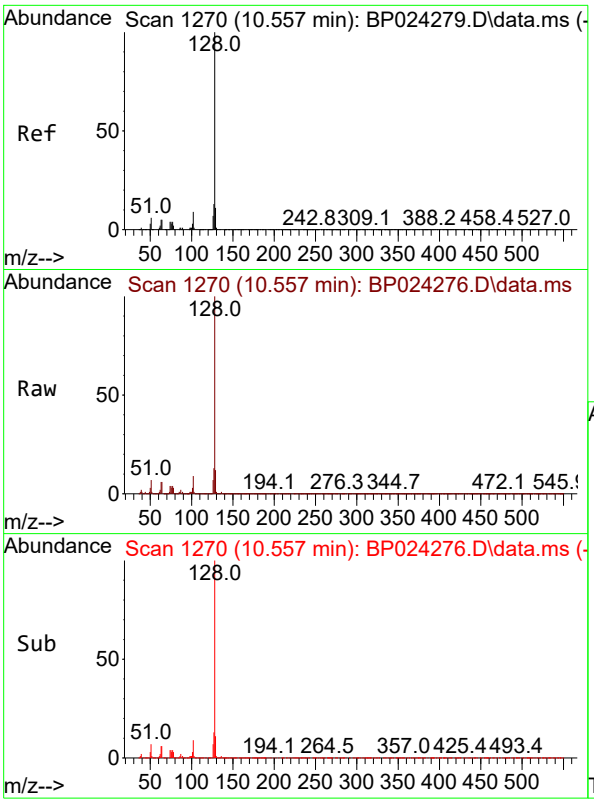


#30
1,2,4-Trichlorobenzene
Concen: 4.923 ng
RT: 10.369 min Scan# 1238
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:180 Resp: 72789

Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.3	115.9
145	30.3	25.1	37.7



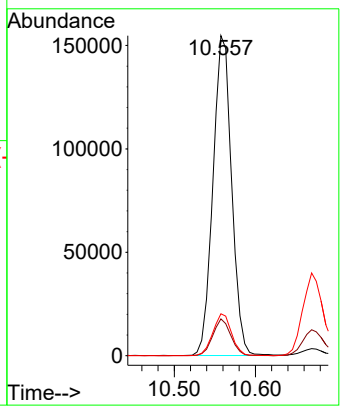


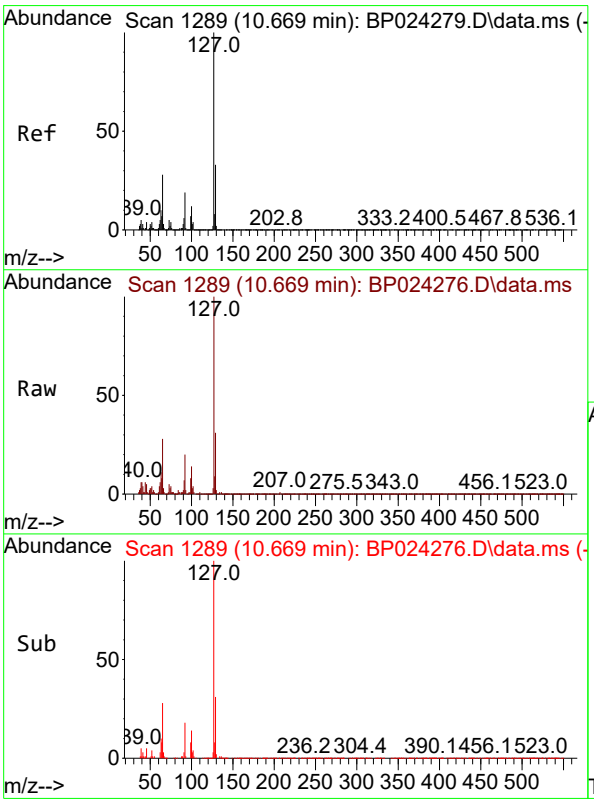
#31
Naphthalene
Concen: 4.930 ng
RT: 10.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 246999

Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.6	13.0
127	13.1	10.3	15.5

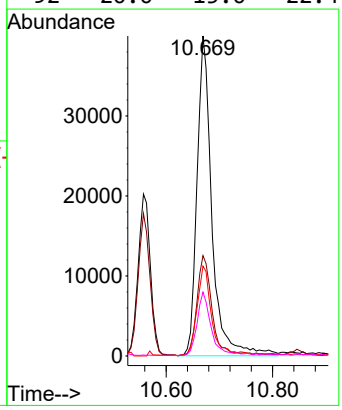


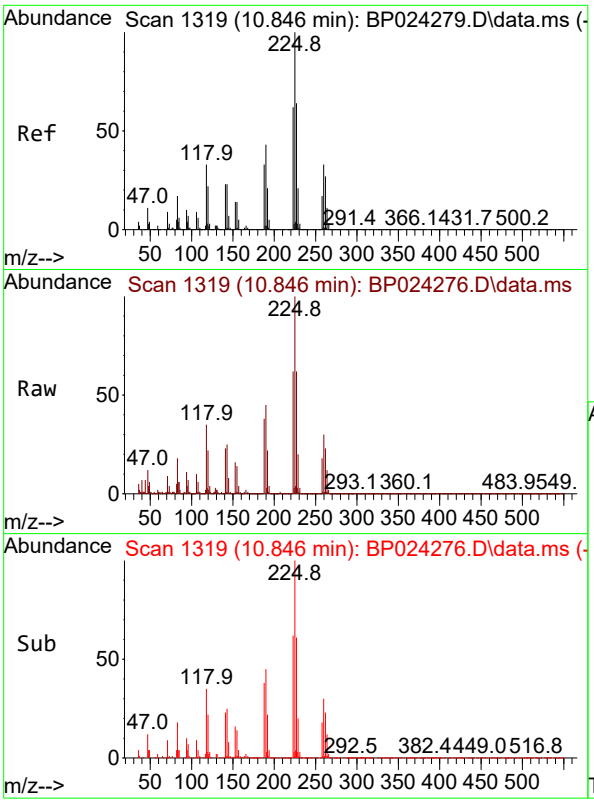


#33
4-Chloroaniline
Concen: 4.437 ng
RT: 10.669 min Scan# 1289
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:127 Resp: 77667

Ion	Ratio	Lower	Upper
127	100		
129	31.4	26.1	39.1
65	28.1	22.1	33.1
92	20.0	15.0	22.4



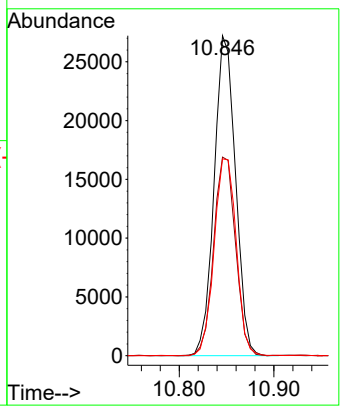


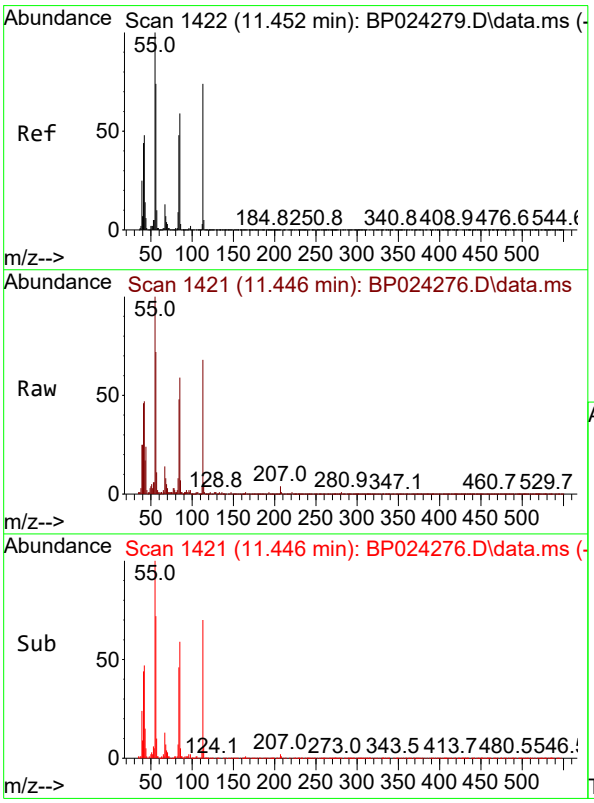
#34
Hexachlorobutadiene
Concen: 4.926 ng
RT: 10.846 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:225 Resp: 42723

Ion	Ratio	Lower	Upper
225	100		
223	62.1	49.5	74.3
227	61.5	50.9	76.3

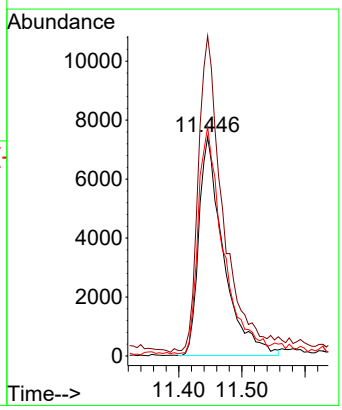


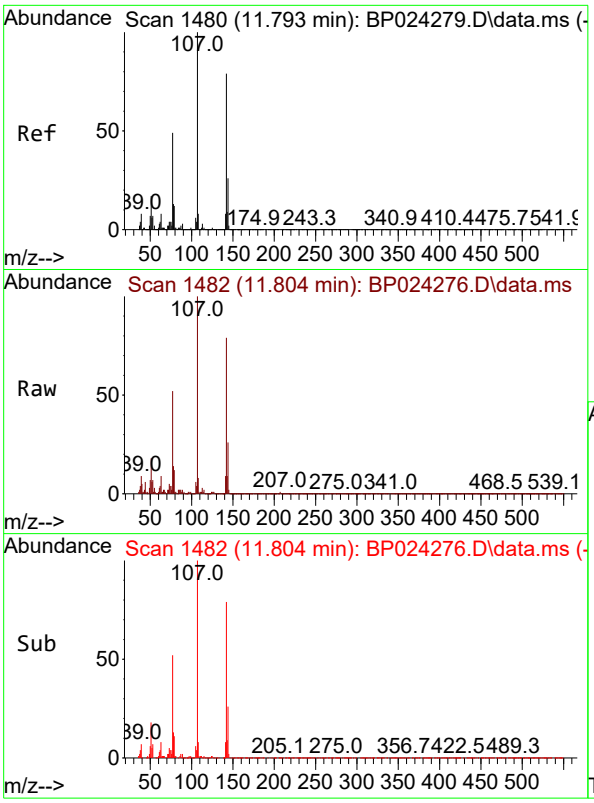


#35
Caprolactam
Concen: 4.002 ng
RT: 11.446 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:113 Resp: 20082

Ion	Ratio	Lower	Upper
113	100		
55	146.2	115.9	155.9
56	104.7	81.1	121.1



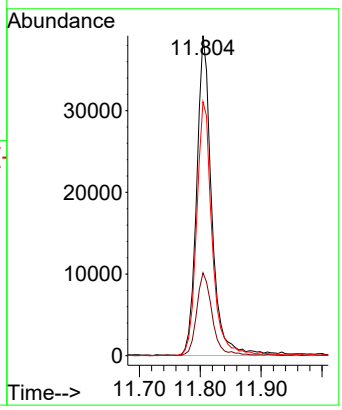


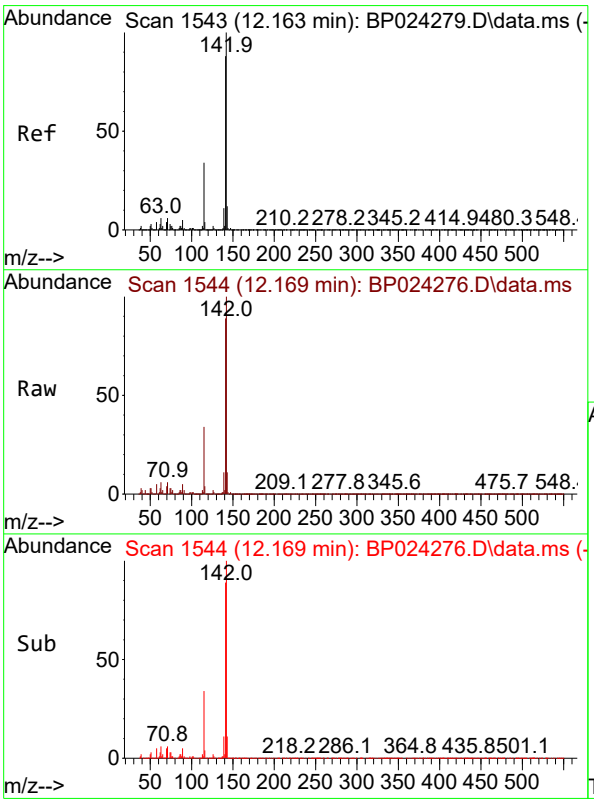
#36
4-Chloro-3-methylphenol
Concen: 4.214 ng
RT: 11.804 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:107 Resp: 67116

Ion	Ratio	Lower	Upper
107	100		
144	25.9	20.5	30.7
142	79.3	63.4	95.2

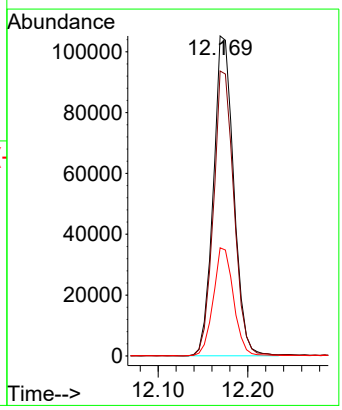


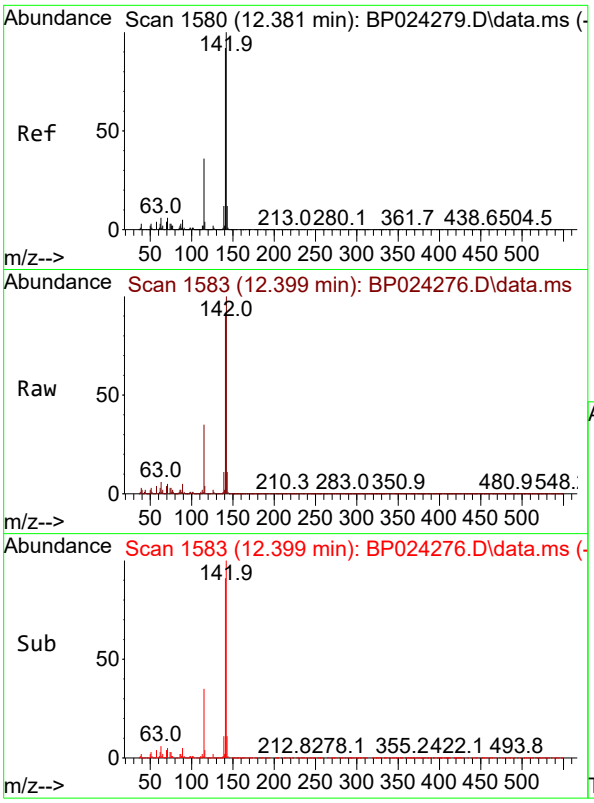


#37
2-Methylnaphthalene
Concen: 4.770 ng
RT: 12.169 min Scan# 1544
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:142 Resp: 165617

Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.3	105.5
115	33.8	26.9	40.3



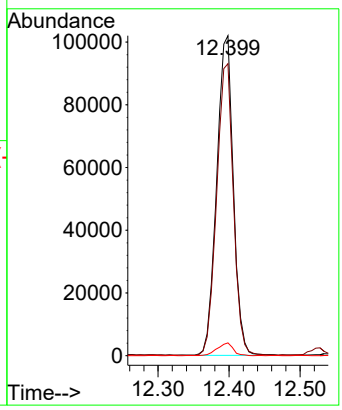


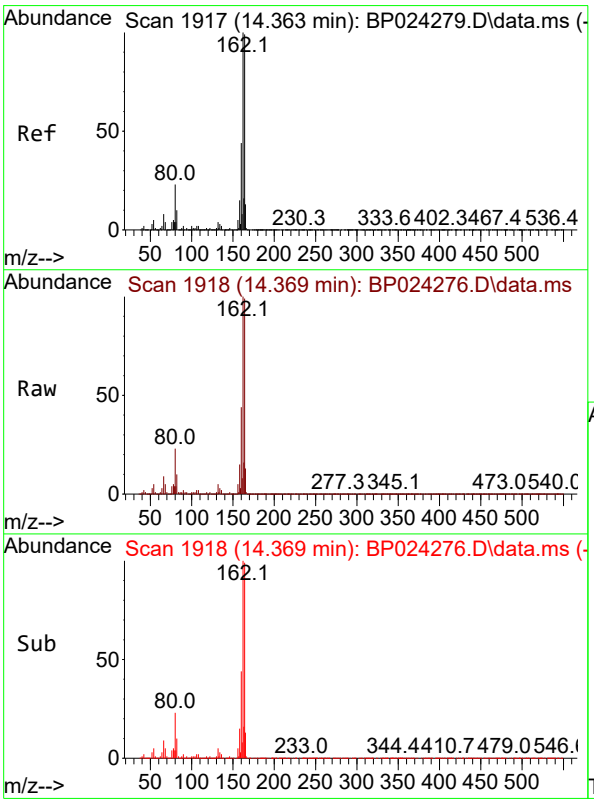
#38
1-Methylnaphthalene
Concen: 4.870 ng
RT: 12.399 min Scan# 1
Delta R.T. 0.018 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 165656

Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.6	110.4
116	4.0	3.0	4.6

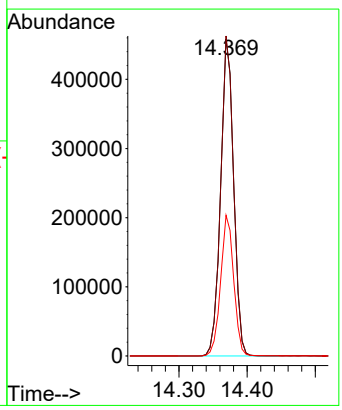


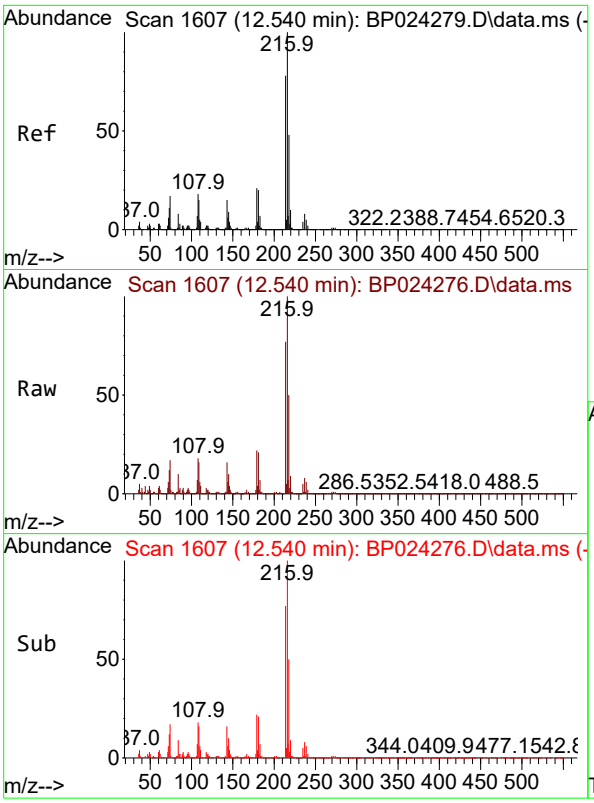


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.369 min Scan# 1918
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:164 Resp: 609743

Ion	Ratio	Lower	Upper
164	100		
162	100.9	80.6	120.8
160	44.4	35.3	52.9



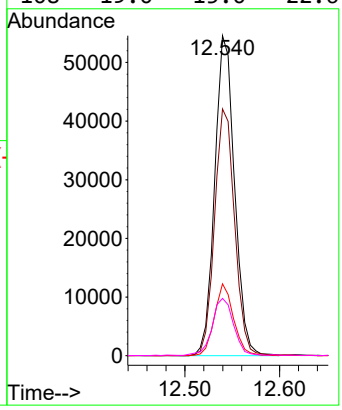


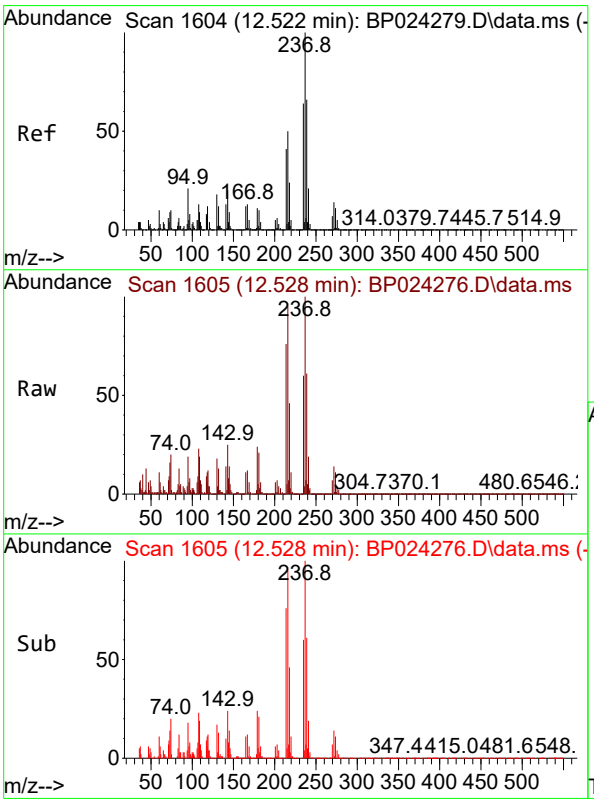
#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.744 ng
RT: 12.540 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:216 Resp: 79501

Ion	Ratio	Lower	Upper
216	100		
214	78.0	62.6	93.8
179	21.7	17.2	25.8
108	19.0	15.0	22.6

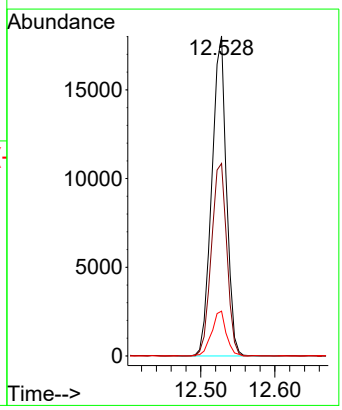


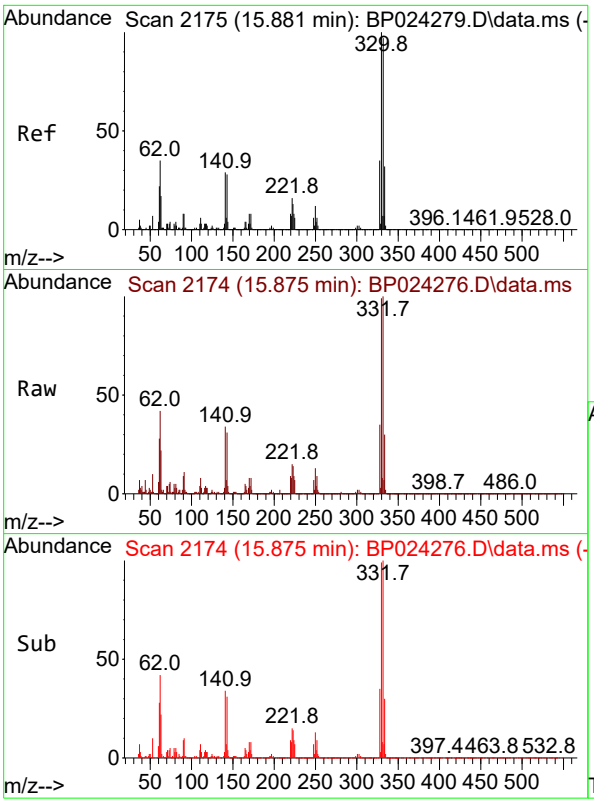


#41
Hexachlorocyclopentadiene
Concen: 4.198 ng
RT: 12.528 min Scan# 1605
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:237 Resp: 24696

Ion	Ratio	Lower	Upper
237	100		
235	60.2	43.9	83.9
272	14.0	0.0	33.6



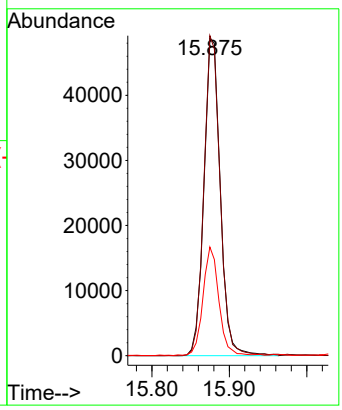


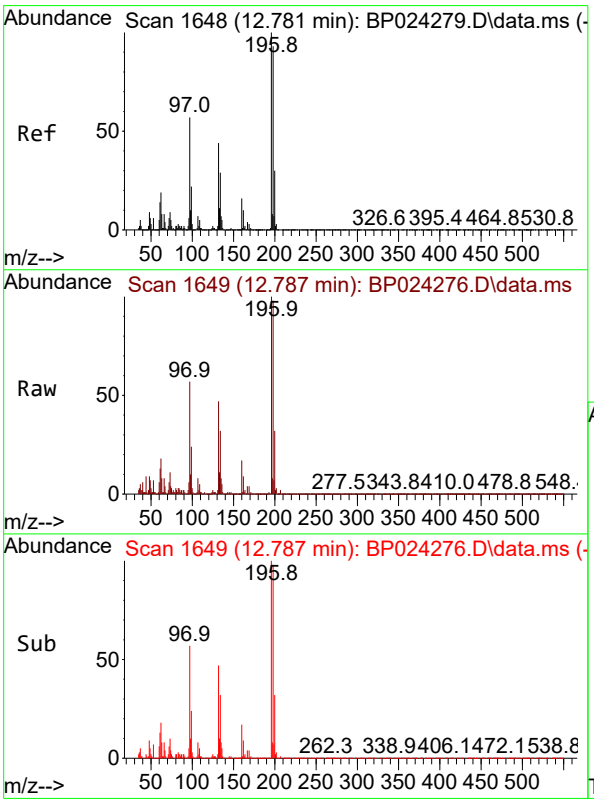
#42
2,4,6-Tribromophenol
Concen: 8.571 ng
RT: 15.875 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:330 Resp: 71560

Ion	Ratio	Lower	Upper
330	100		
332	99.6	77.1	115.7
141	33.2	24.7	37.1

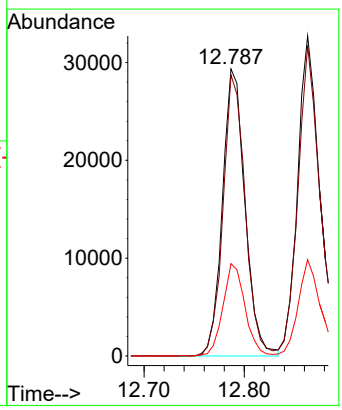


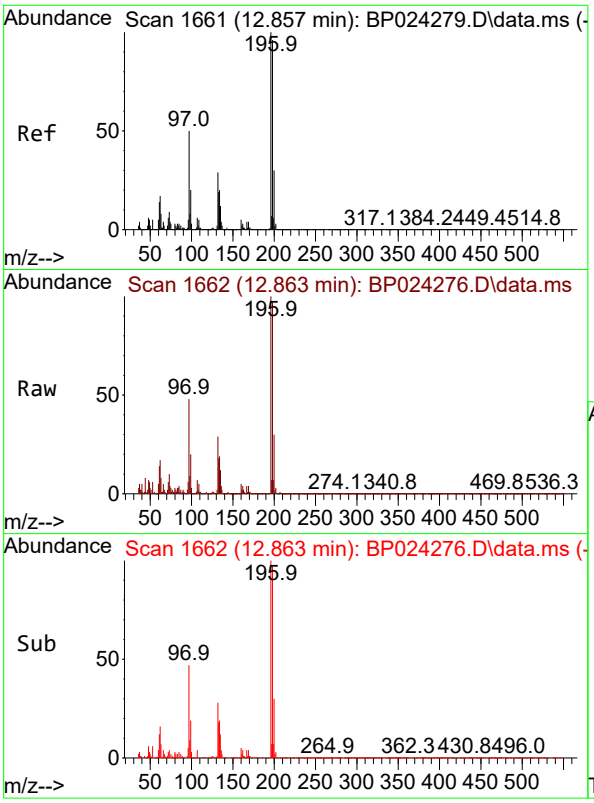


#43
2,4,6-Trichlorophenol
Concen: 4.165 ng
RT: 12.787 min Scan# 1649
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:196 Resp: 45925

Ion	Ratio	Lower	Upper
196	100		
198	97.9	74.3	111.5
200	32.2	24.0	36.0



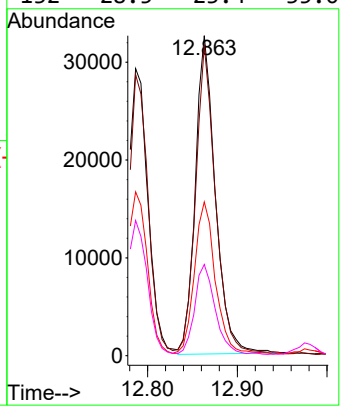


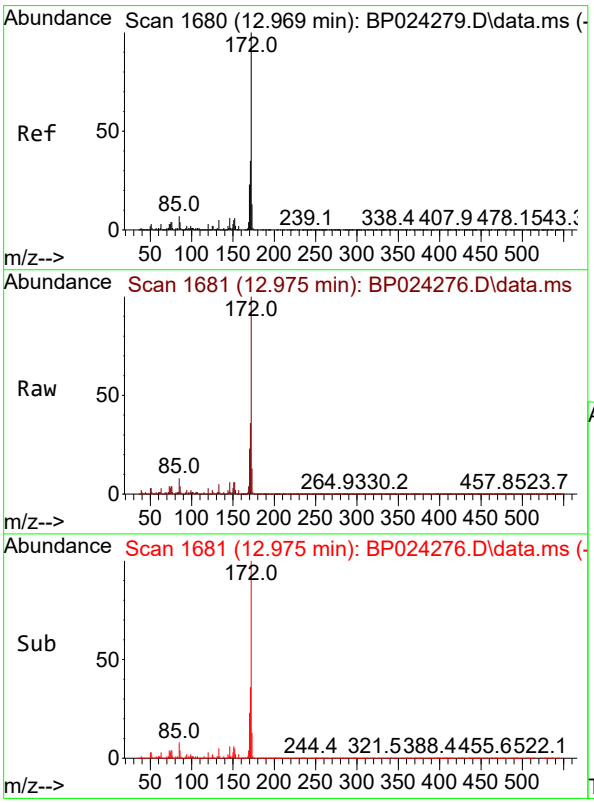
#44
2,4,5-Trichlorophenol
Concen: 4.147 ng
RT: 12.863 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:196 Resp: 50675

Ion	Ratio	Lower	Upper
196	100		
198	97.0	77.3	115.9
97	48.1	40.4	60.6
132	28.5	23.4	35.0

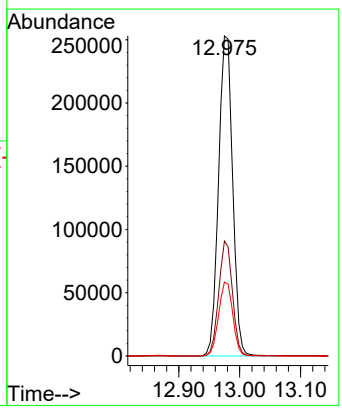


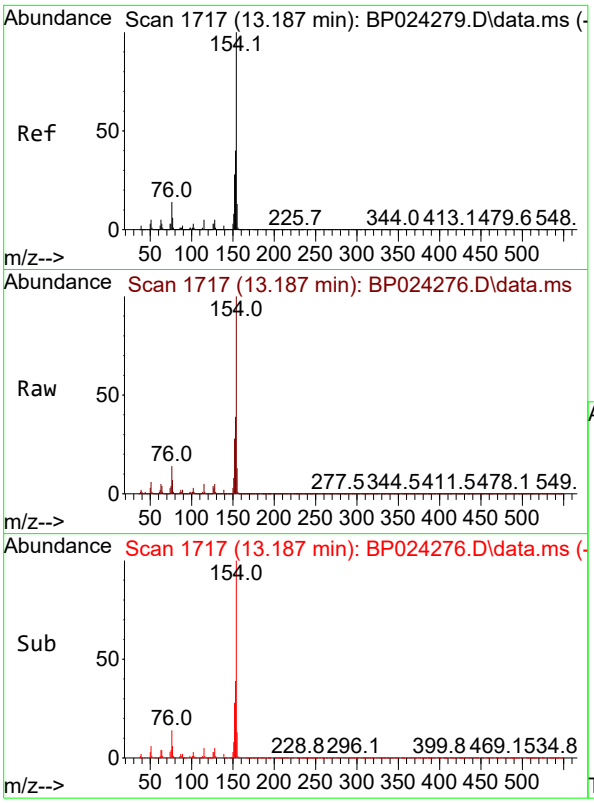


#45
2-Fluorobiphenyl
Concen: 10.111 ng
RT: 12.975 min Scan# 1681
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:172 Resp: 406060

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.2	42.2
170	23.1	18.6	27.8



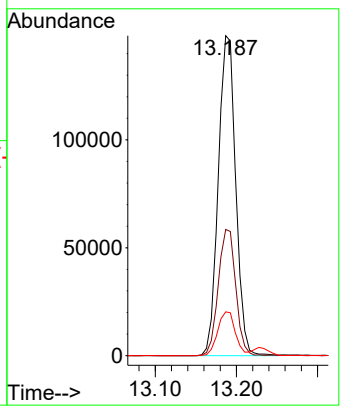


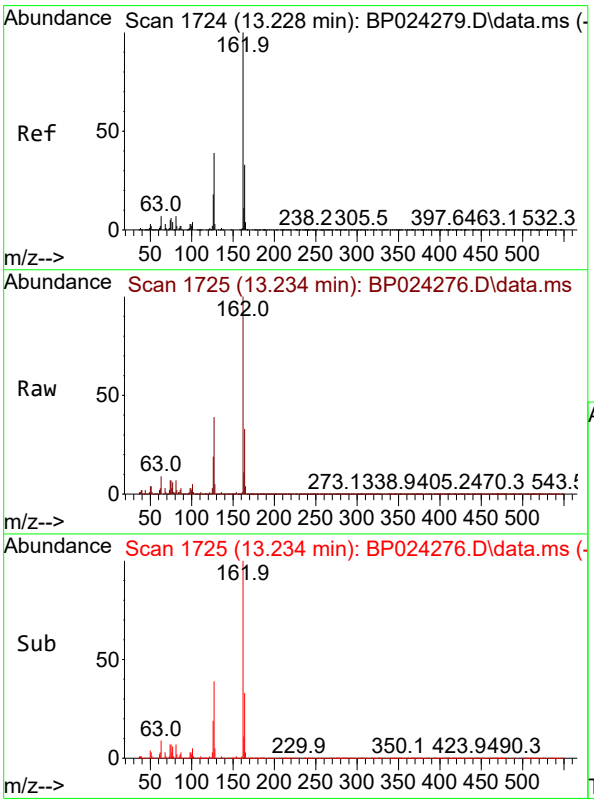
#46
1,1'-Biphenyl
Concen: 4.922 ng
RT: 13.187 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:154 Resp: 221653

Ion	Ratio	Lower	Upper
154	100		
153	39.5	20.3	60.3
76	13.7	0.0	33.5

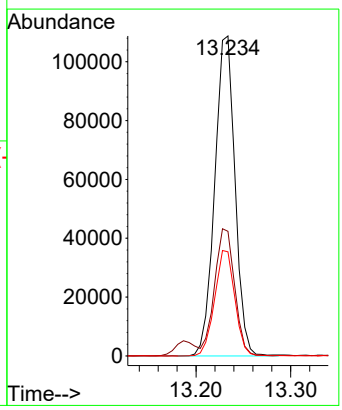


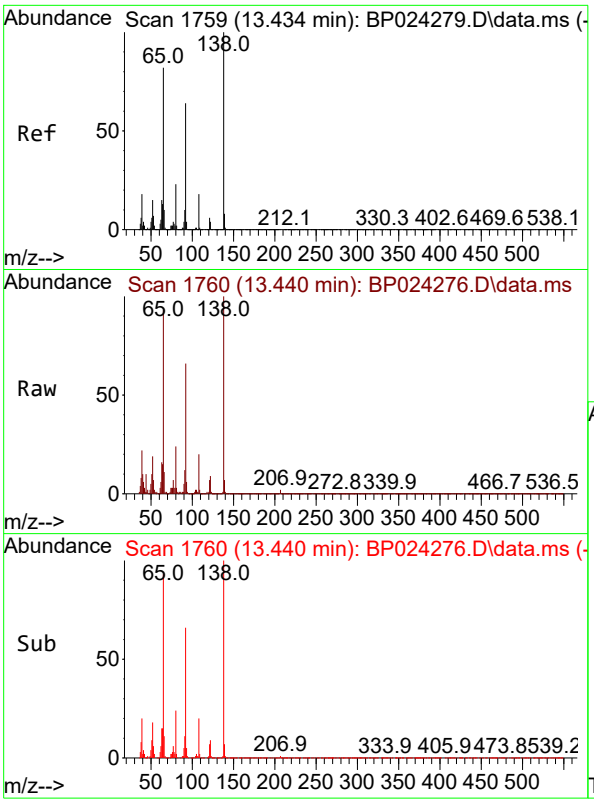


#47
2-Chloronaphthalene
Concen: 4.824 ng
RT: 13.234 min Scan# 1725
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:162 Resp: 162099

Ion	Ratio	Lower	Upper
162	100		
127	39.0	31.9	47.9
164	32.5	26.2	39.4



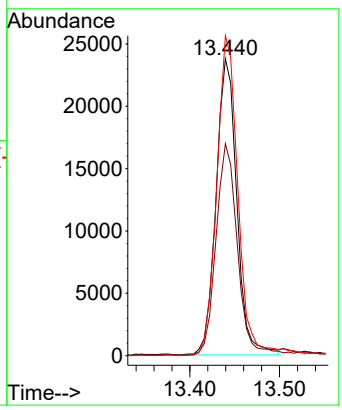


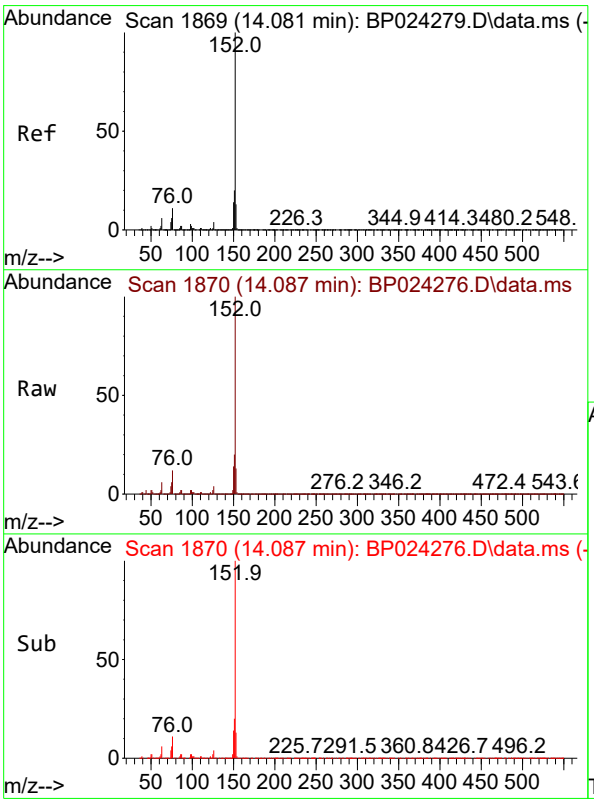
#48
2-Nitroaniline
Concen: 4.111 ng
RT: 13.440 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 65 Resp: 38152

Ion	Ratio	Lower	Upper
65	100		
92	71.5	62.3	93.5
138	107.8	97.2	145.8

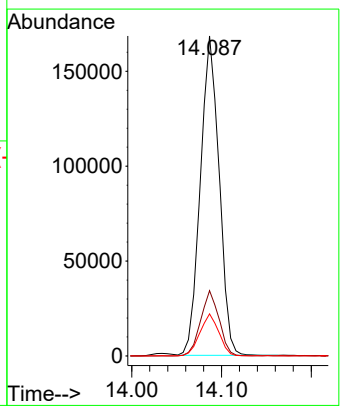


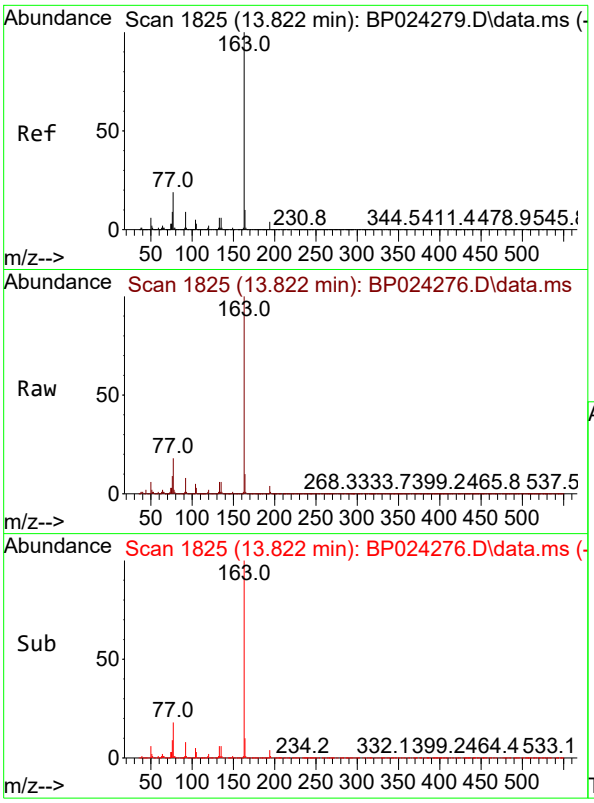


#49
Acenaphthylene
Concen: 4.637 ng
RT: 14.087 min Scan# 1870
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:152 Resp: 244566

Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.9	23.9
153	13.2	10.6	15.8



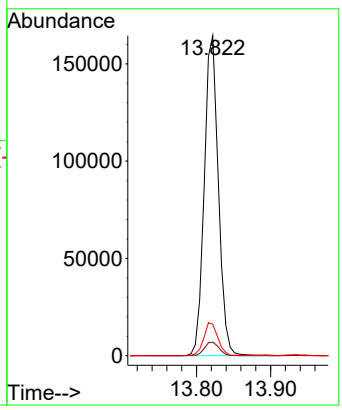


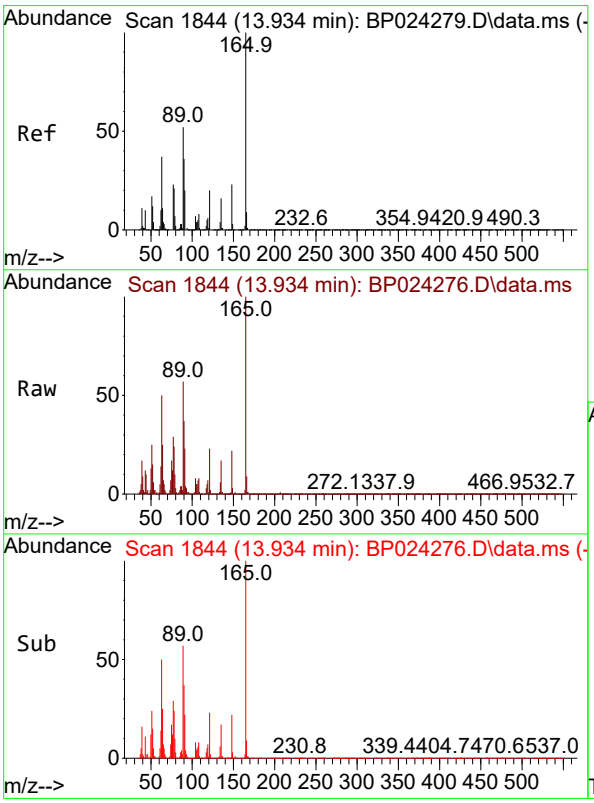
#50
Dimethylphthalate
Concen: 4.897 ng
RT: 13.822 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:163 Resp: 217848

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	9.8	8.0	12.0

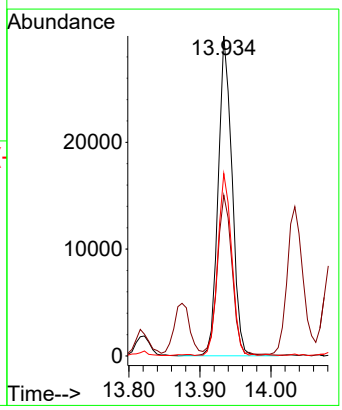


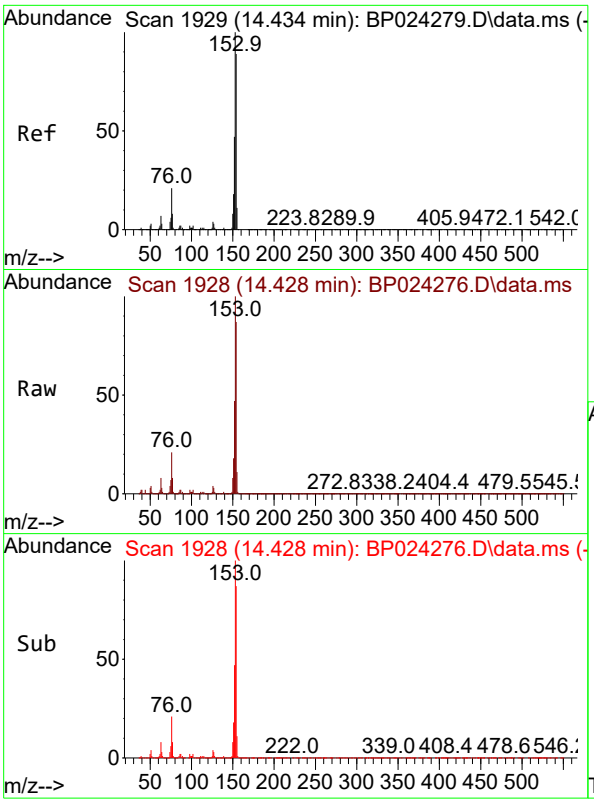


#51
2,6-Dinitrotoluene
Concen: 4.287 ng
RT: 13.934 min Scan# 1844
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:165 Resp: 40182

Ion	Ratio	Lower	Upper
165	100		
63	50.3	38.0	57.0
89	57.0	41.7	62.5



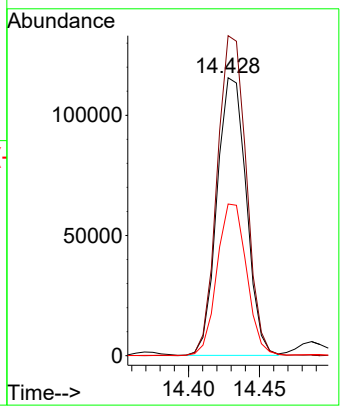


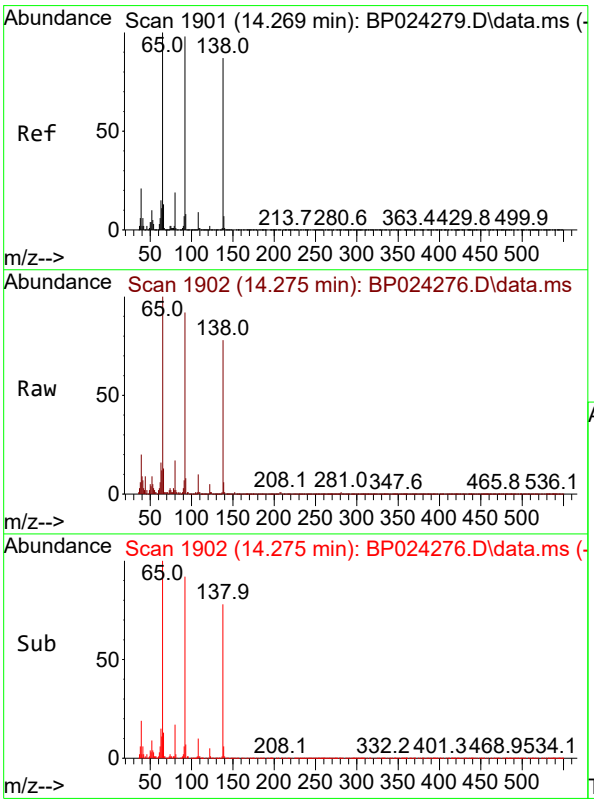
#52
Acenaphthene
Concen: 4.940 ng
RT: 14.428 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:154 Resp: 165694

Ion	Ratio	Lower	Upper
154	100		
153	115.2	89.8	134.6
152	54.6	42.6	63.8

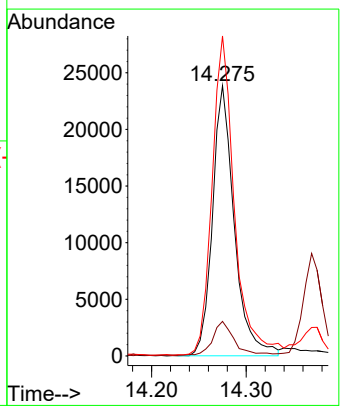


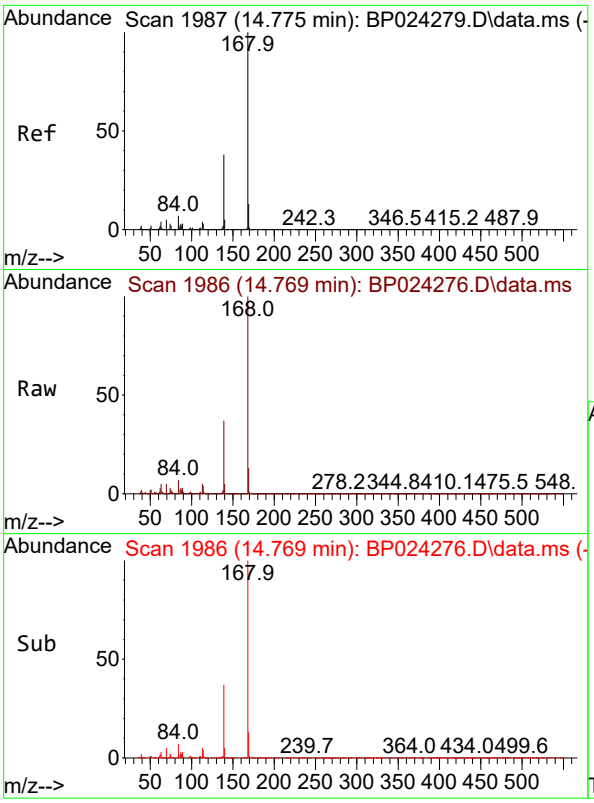


#53
3-Nitroaniline
Concen: 3.926 ng
RT: 14.275 min Scan# 1902
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:138 Resp: 38178

Ion	Ratio	Lower	Upper
138	100		
108	12.8	8.3	12.5#
92	118.4	89.8	134.8



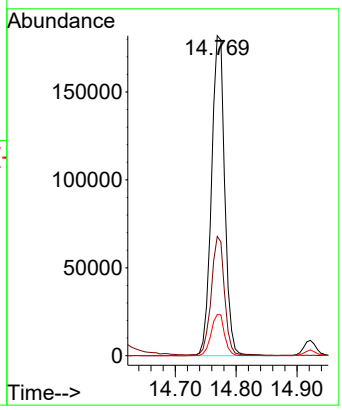


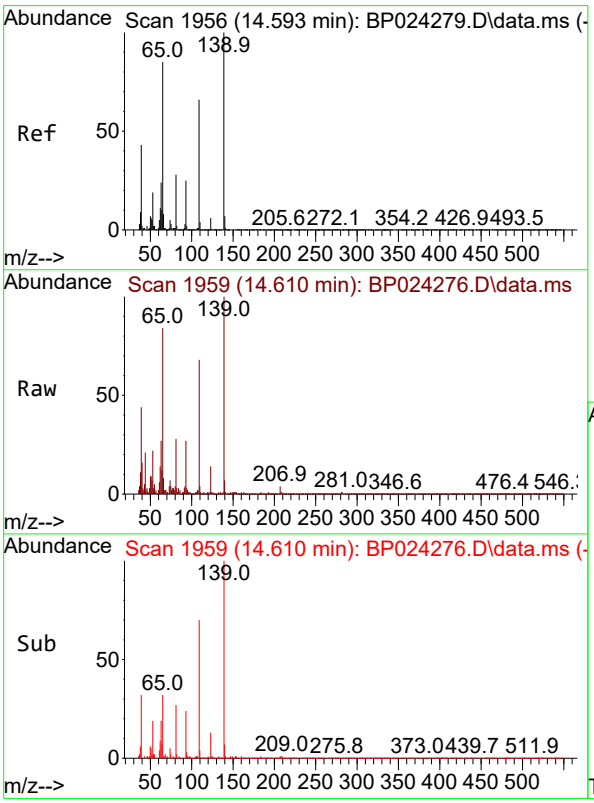
#55
Dibenzofuran
Concen: 4.991 ng
RT: 14.769 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:168 Resp: 274506

Ion	Ratio	Lower	Upper
168	100		
139	37.3	30.3	45.5
169	12.9	10.6	16.0

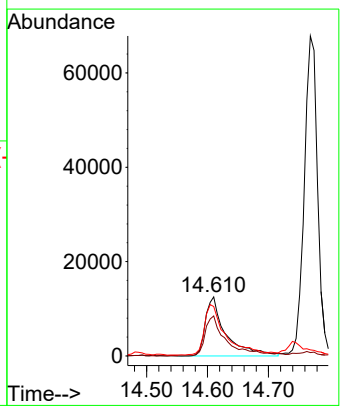


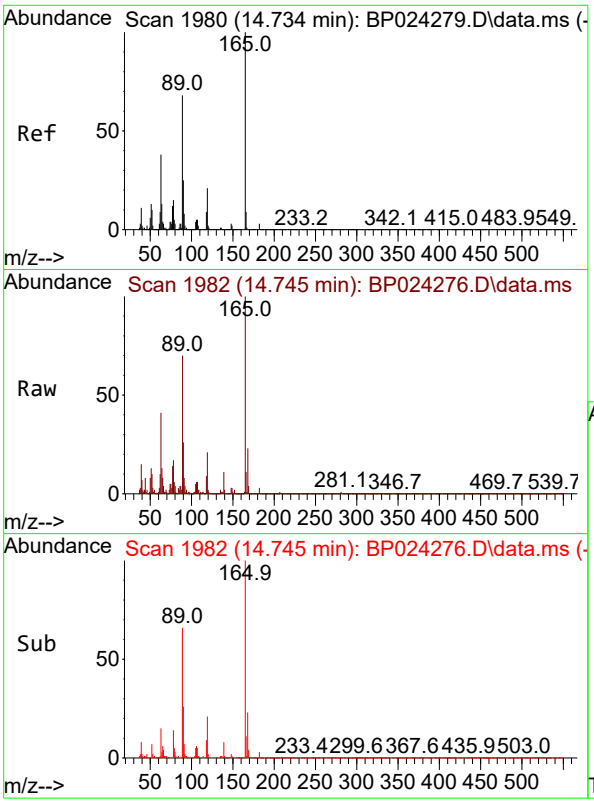


#56
4-Nitrophenol
Concen: 3.473 ng
RT: 14.610 min Scan# 1959
Delta R.T. 0.018 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:139 Resp: 29033

Ion	Ratio	Lower	Upper
139	100		
109	67.8	46.1	86.1
65	83.9	65.0	105.0



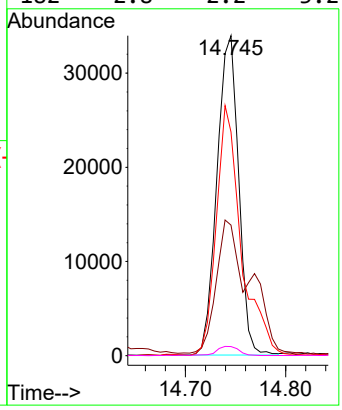


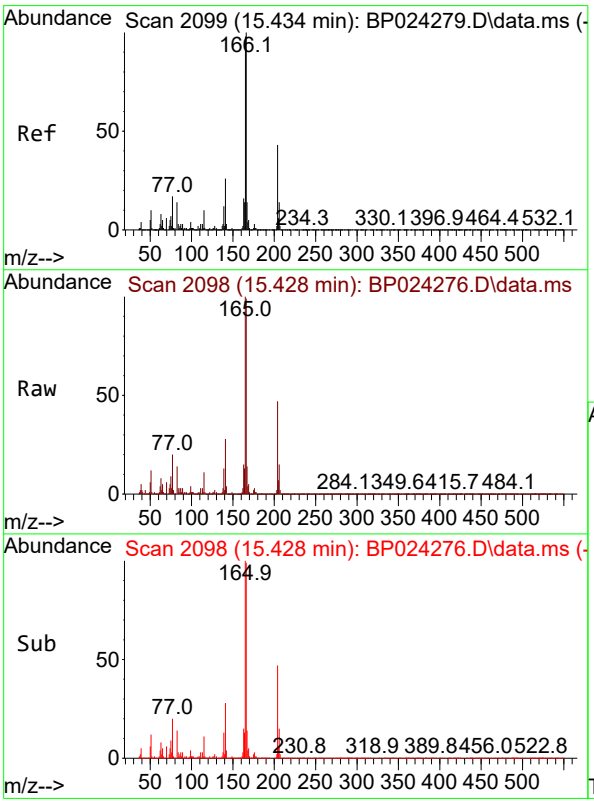
#57
2,4-Dinitrotoluene
Concen: 4.013 ng
RT: 14.745 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:165 Resp: 50843

Ion	Ratio	Lower	Upper
165	100		
63	40.8	30.4	45.6
89	69.9	54.6	82.0
182	2.8	2.2	3.2

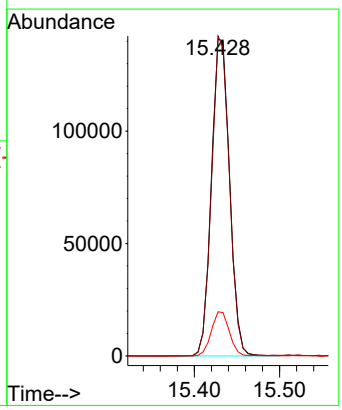


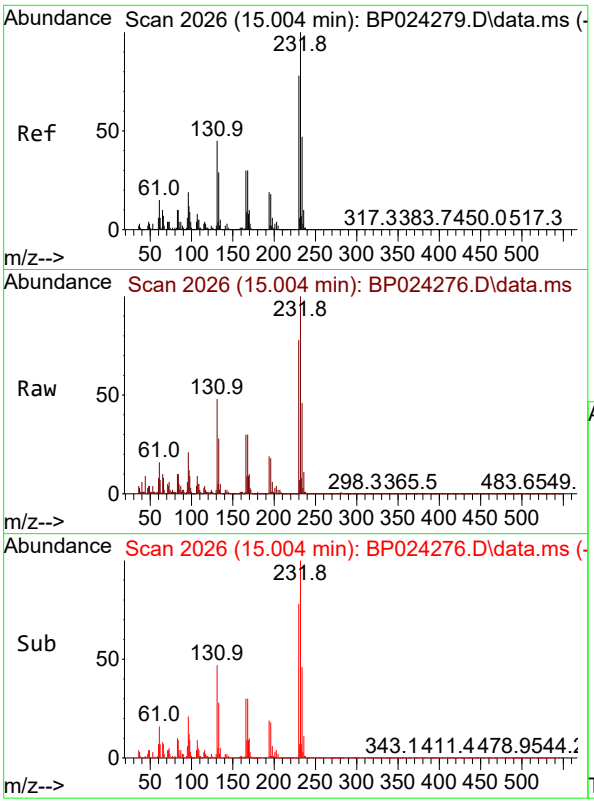


#58
Fluorene
Concen: 4.939 ng
RT: 15.428 min Scan# 2098
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:166 Resp: 209763

Ion	Ratio	Lower	Upper
166	100		
165	101.0	78.1	117.1
167	13.9	10.9	16.3



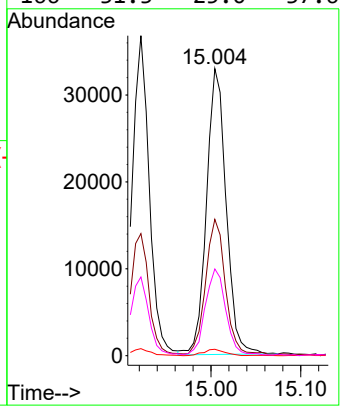


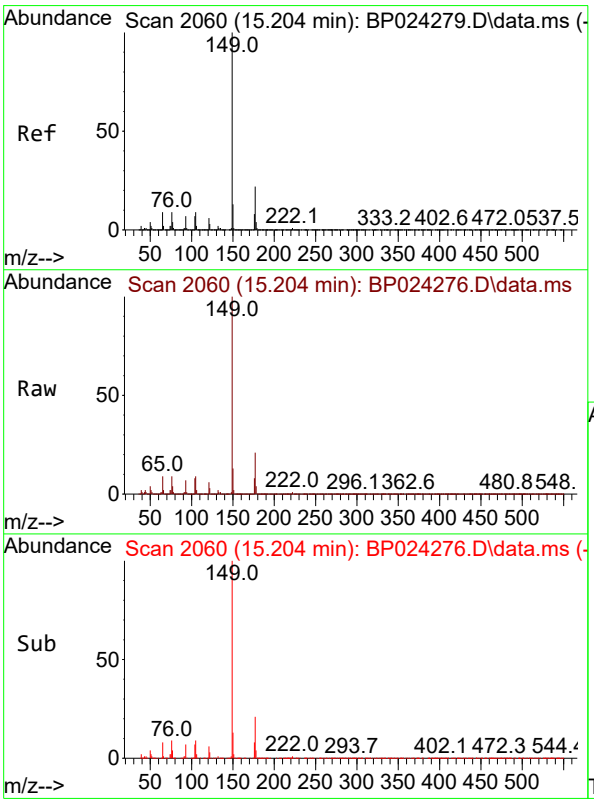
#59
2,3,4,6-Tetrachlorophenol
Concen: 4.415 ng
RT: 15.004 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:232 Resp: 49911

Ion	Ratio	Lower	Upper
232	100		
131	48.4	36.8	55.2
130	2.5	1.9	2.9
166	31.3	25.0	37.6

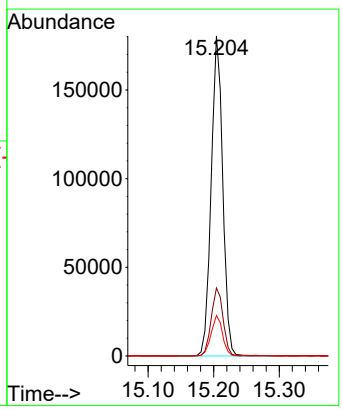


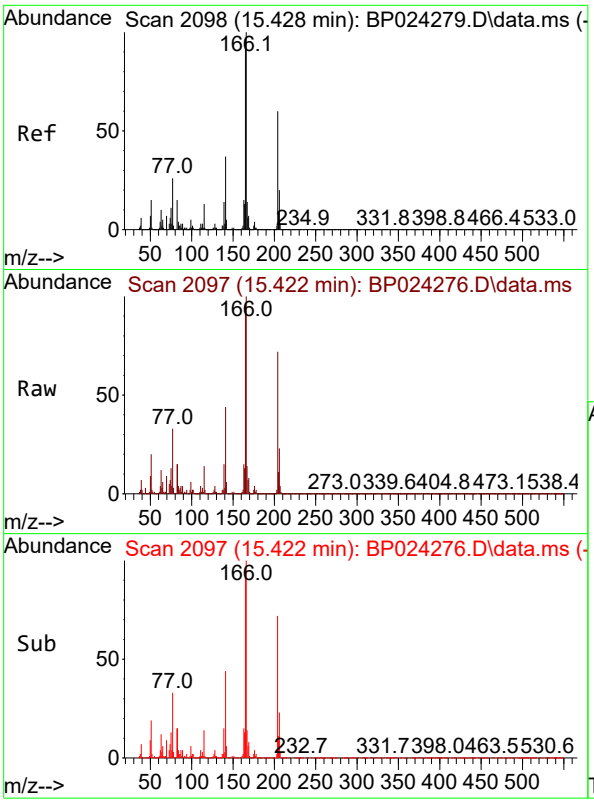


#60
Diethylphthalate
Concen: 4.830 ng
RT: 15.204 min Scan# 2060
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:149 Resp: 221119

Ion	Ratio	Lower	Upper
149	100		
177	21.3	17.4	26.2
150	12.7	10.1	15.1



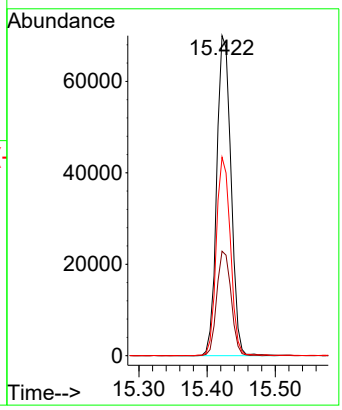


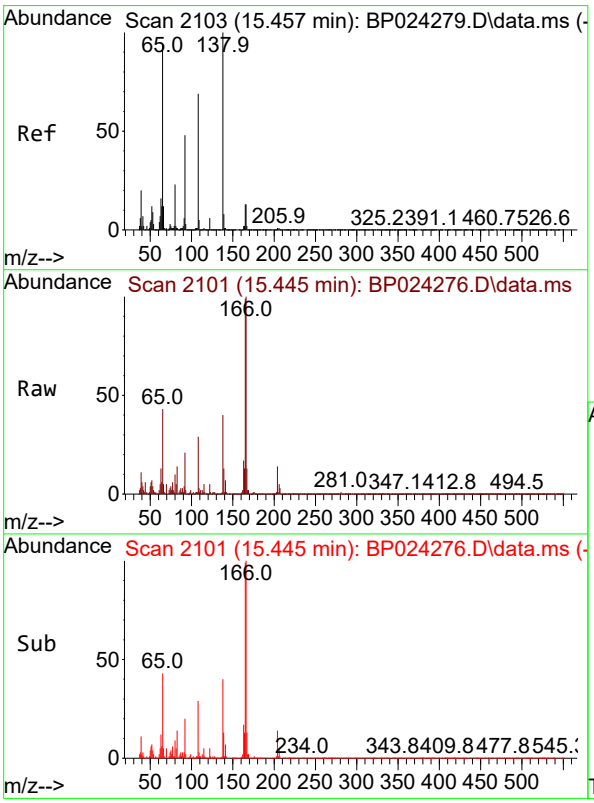
#61
4-Chlorophenyl-phenylether
Concen: 4.928 ng
RT: 15.422 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:204 Resp: 101636

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.5	39.7
141	62.0	49.4	74.0

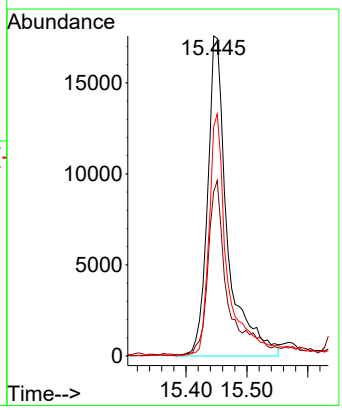


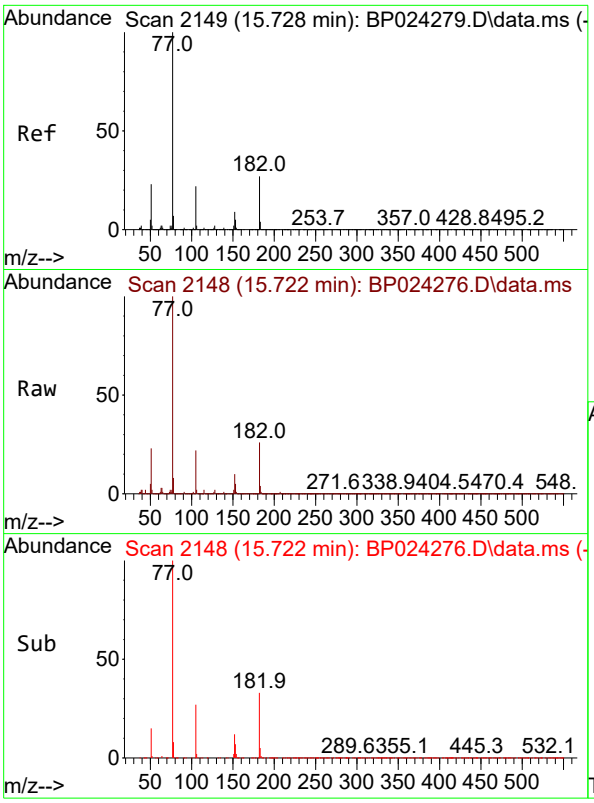


#62
4-Nitroaniline
Concen: 3.893 ng
RT: 15.445 min Scan# 2101
Delta R.T. -0.012 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:138 Resp: 40139

Ion	Ratio	Lower	Upper
138	100		
92	51.4	27.8	67.8
108	71.8	48.9	88.9



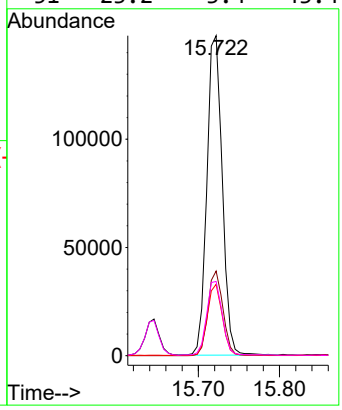


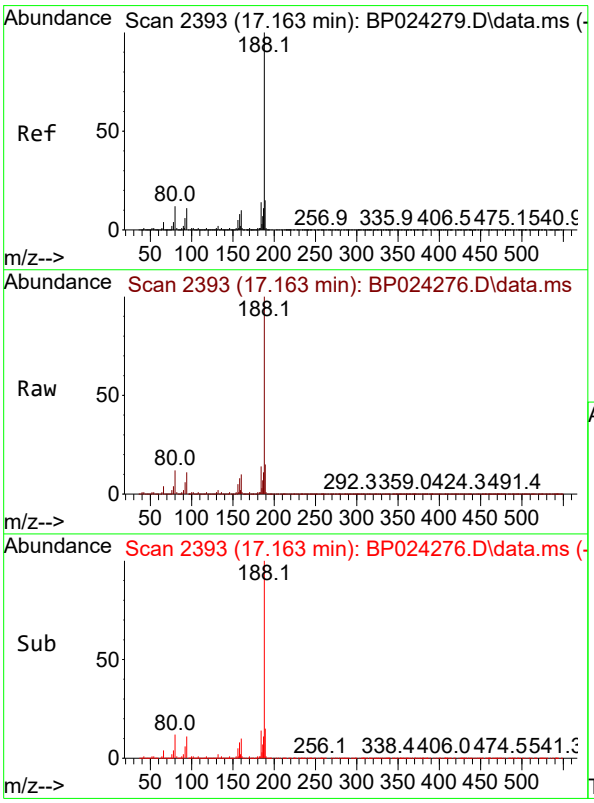
#63
Azobenzene
Concen: 4.586 ng
RT: 15.722 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 193402

Ion	Ratio	Lower	Upper
77	100		
182	26.4	7.3	47.3
105	22.3	2.3	42.3
51	23.2	3.4	43.4

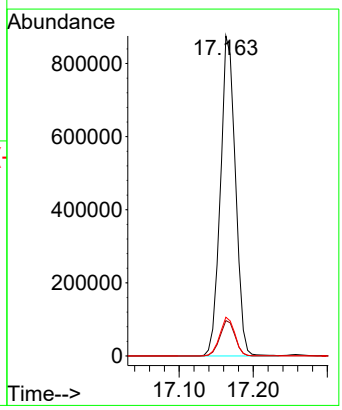


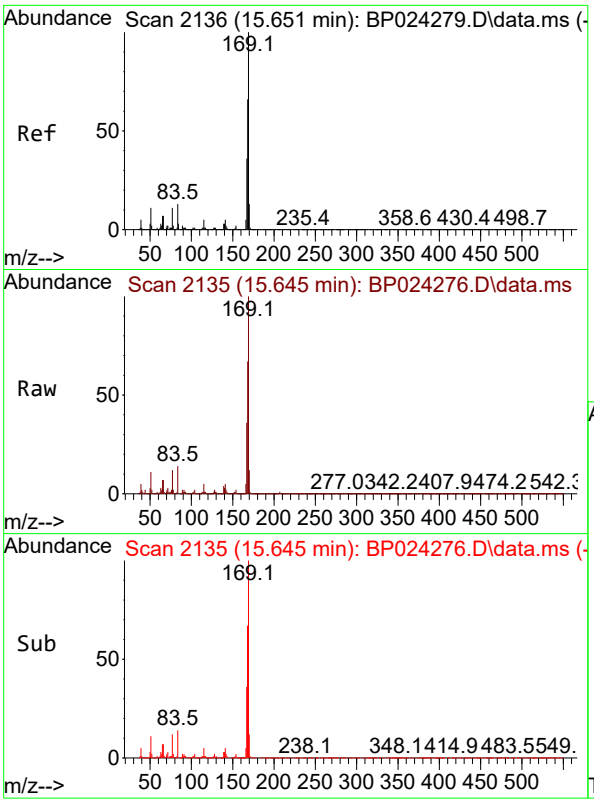


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2393
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:188 Resp: 1234074

Ion	Ratio	Lower	Upper
188	100		
94	11.1	8.6	13.0
80	12.1	9.8	14.6



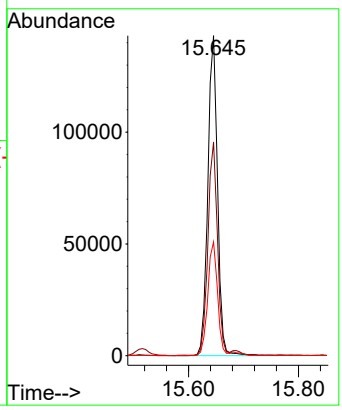


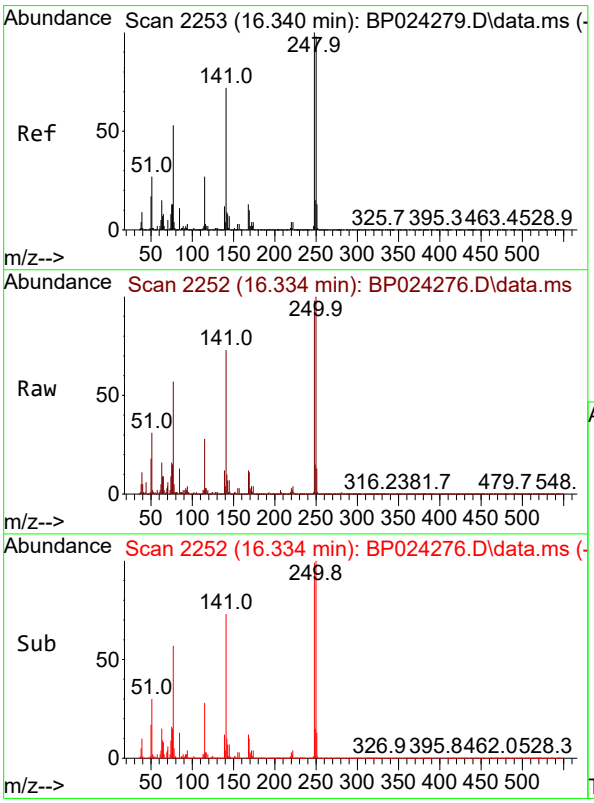
#66
n-Nitrosodiphenylamine
Concen: 4.726 ng
RT: 15.645 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:169 Resp: 174867

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.0	79.4
167	35.6	28.9	43.3

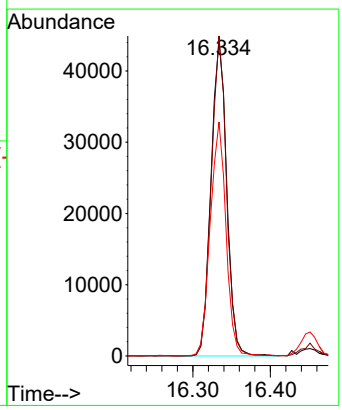


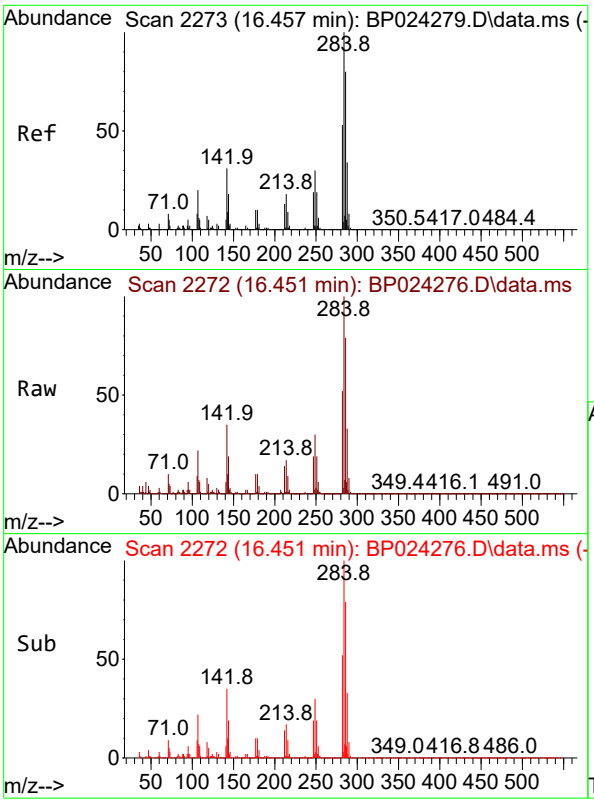


#67
4-Bromophenyl-phenylether
Concen: 4.647 ng
RT: 16.334 min Scan# 2252
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:248 Resp: 62558

Ion	Ratio	Lower	Upper
248	100		
250	101.6	78.2	117.4
141	74.2	57.7	86.5



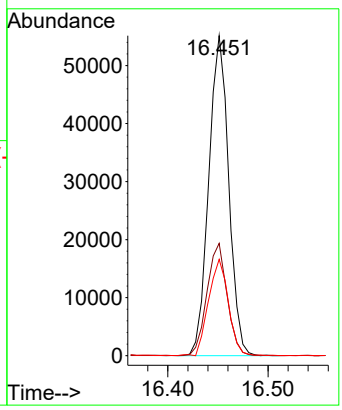


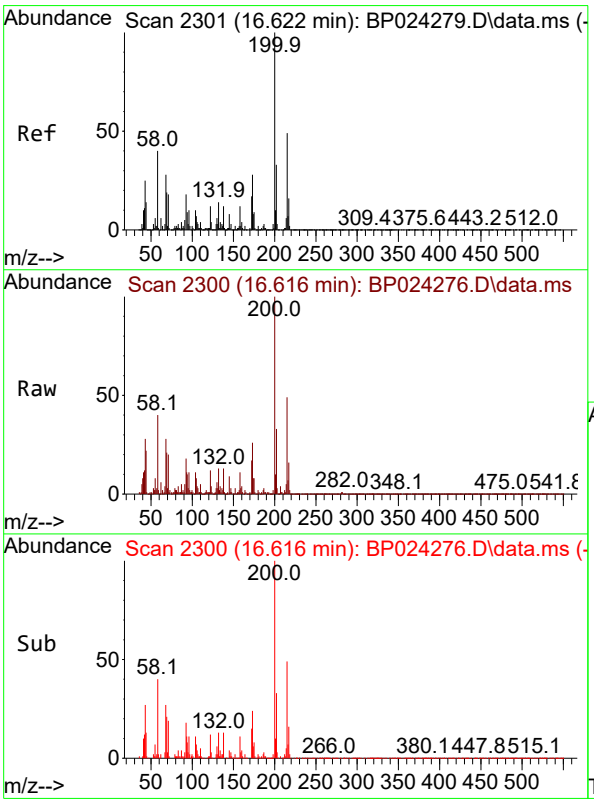
#68
Hexachlorobenzene
Concen: 4.766 ng
RT: 16.451 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:284 Resp: 76267

Ion	Ratio	Lower	Upper
284	100		
142	35.1	24.6	37.0
249	30.1	23.8	35.6

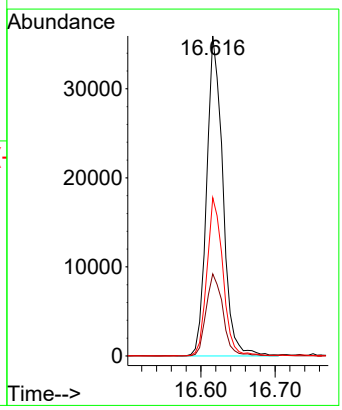


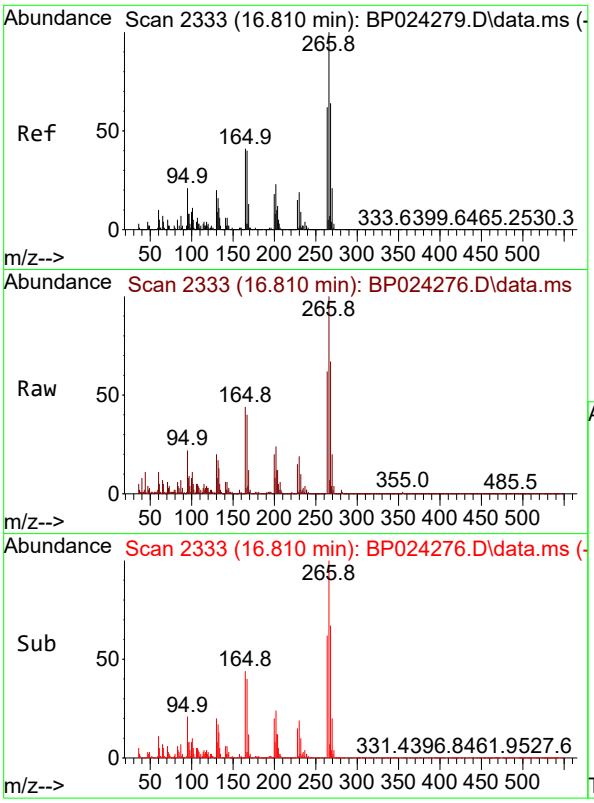


#69
Atrazine
Concen: 5.803 ng
RT: 16.616 min Scan# 2300
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:200 Resp: 54439

Ion	Ratio	Lower	Upper
200	100		
173	25.6	7.5	47.5
215	49.4	28.8	68.8



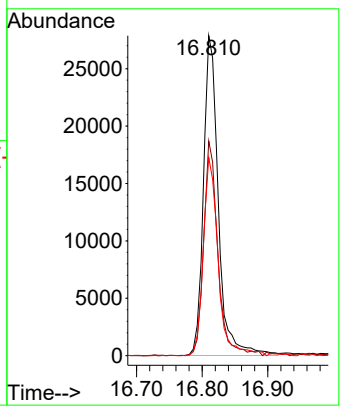


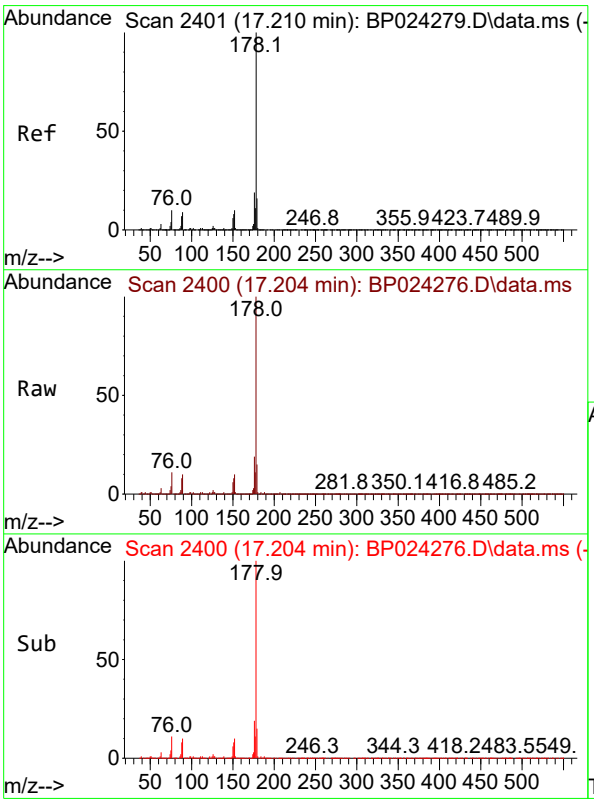
#70
Pentachlorophenol
Concen: 4.015 ng
RT: 16.810 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:266 Resp: 44119

Ion	Ratio	Lower	Upper
266	100		
268	67.1	51.0	76.6
264	61.9	49.8	74.6

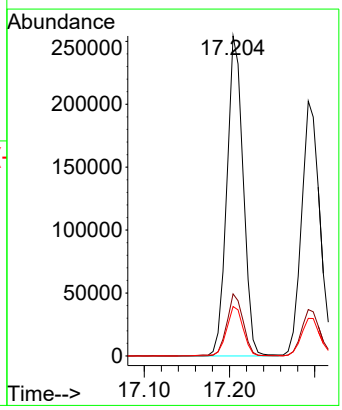


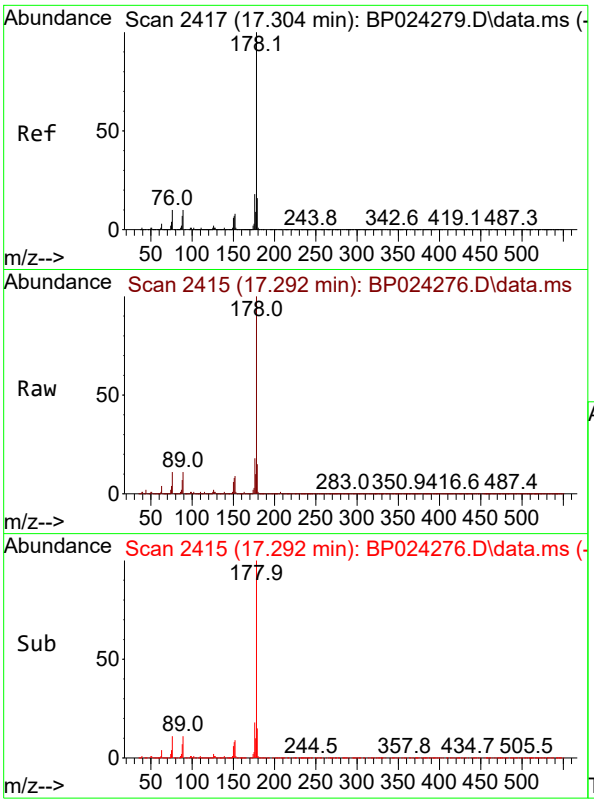


#71
Phenanthrene
Concen: 5.005 ng
RT: 17.204 min Scan# 2400
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:178 Resp: 338611

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.5	12.5	18.7



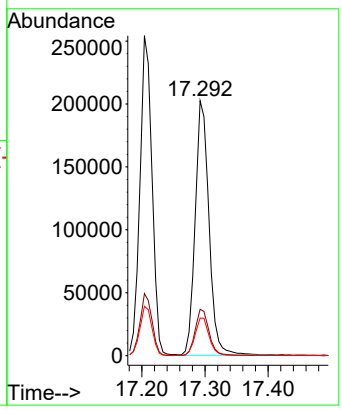


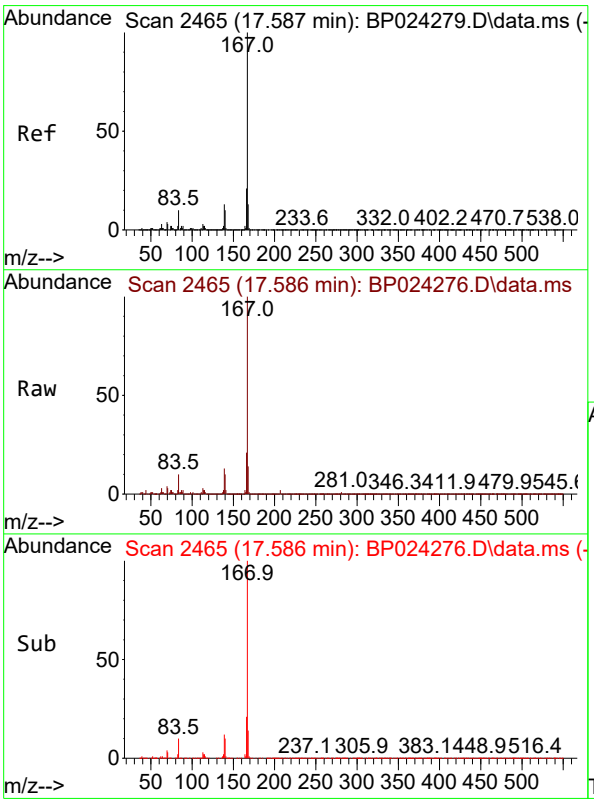
#72
Anthracene
Concen: 4.716 ng
RT: 17.292 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:178 Resp: 307065

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.7	22.1
179	14.8	12.4	18.6

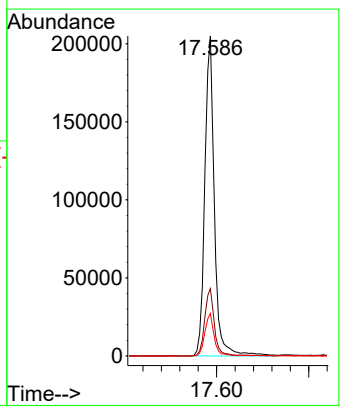


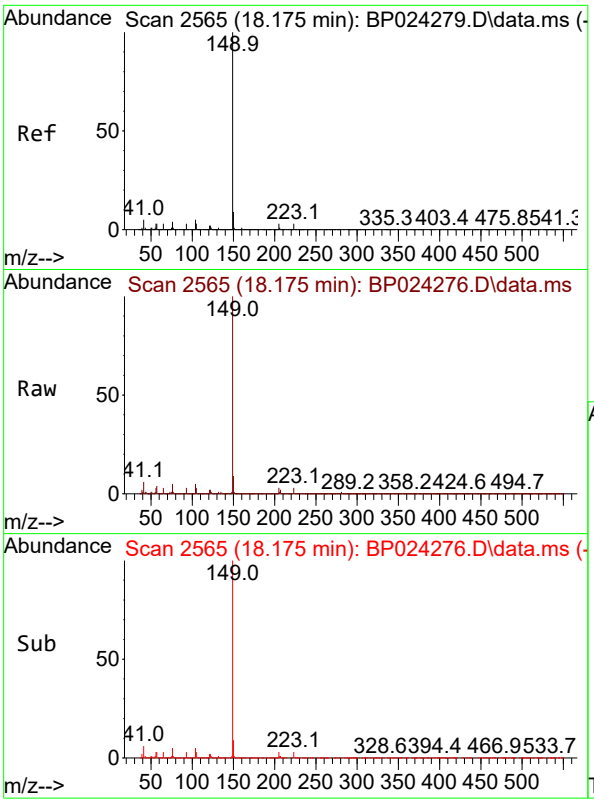


#73
Carbazole
Concen: 4.711 ng
RT: 17.586 min Scan# 2465
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:167 Resp: 298495

Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.1	25.7
139	13.3	10.6	16.0



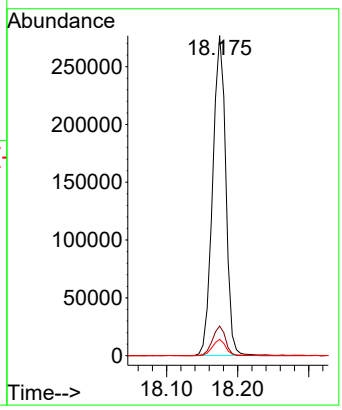


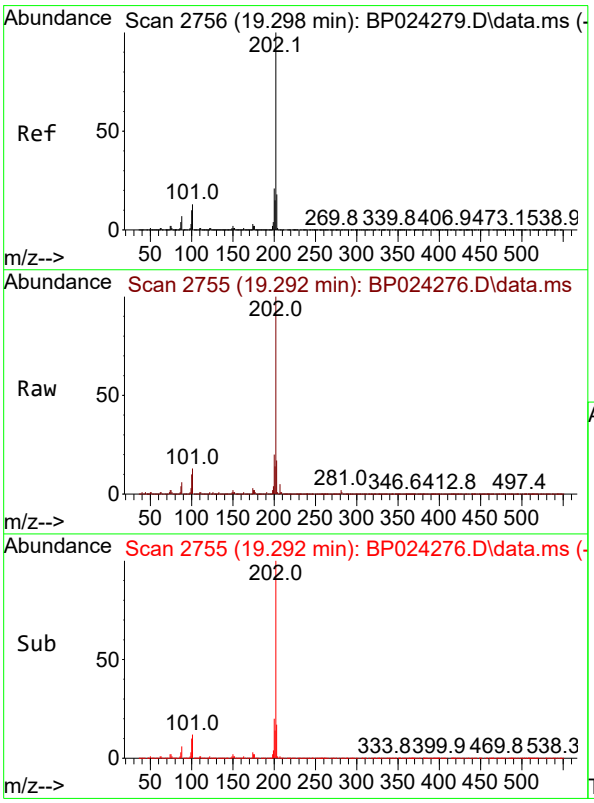
#74
Di-n-butylphthalate
Concen: 4.484 ng
RT: 18.175 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 354008

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.1	3.9	5.9

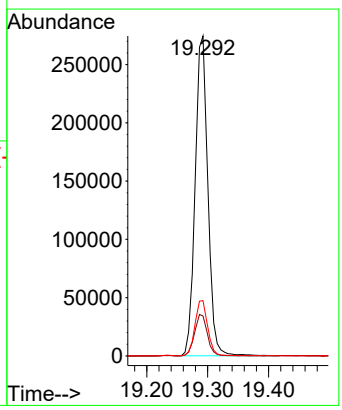


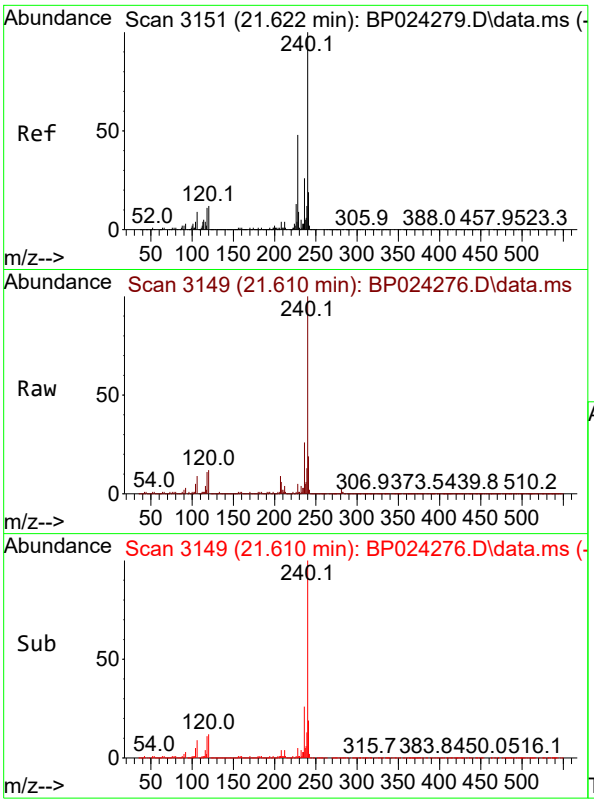


#75
Fluoranthene
Concen: 4.951 ng
RT: 19.292 min Scan# 2755
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:202 Resp: 397601

Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	33.2
203	17.3	0.0	37.7



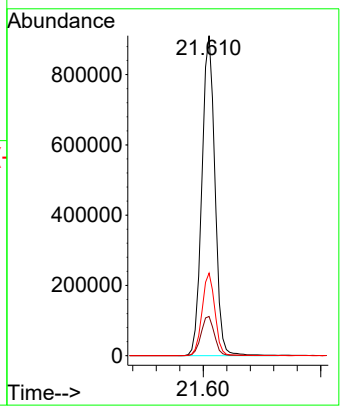


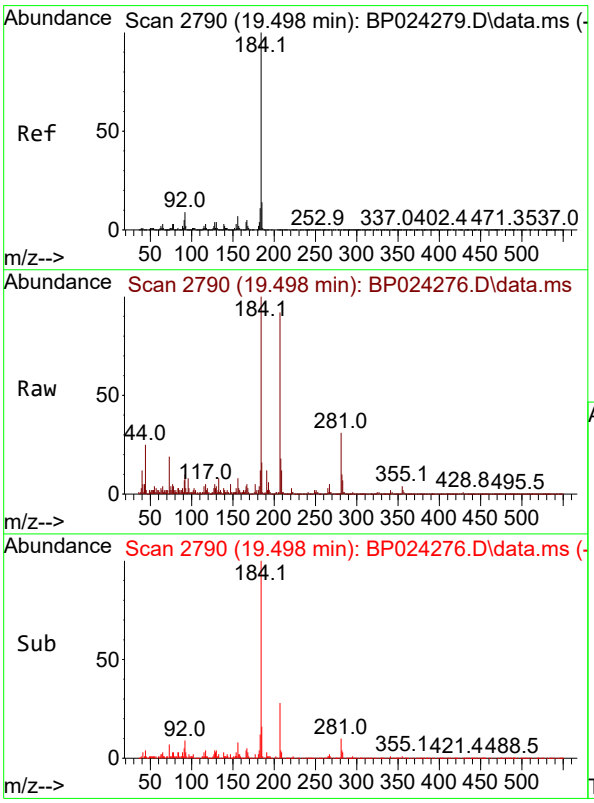
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.610 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:240 Resp: 1401979

Ion	Ratio	Lower	Upper
240	100		
120	12.2	9.8	14.8
236	25.8	20.9	31.3

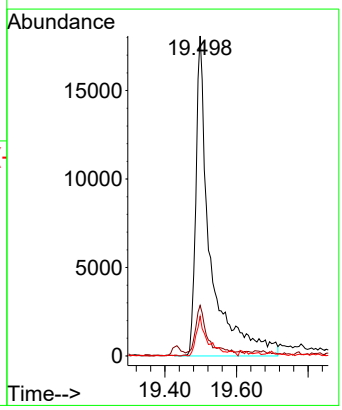


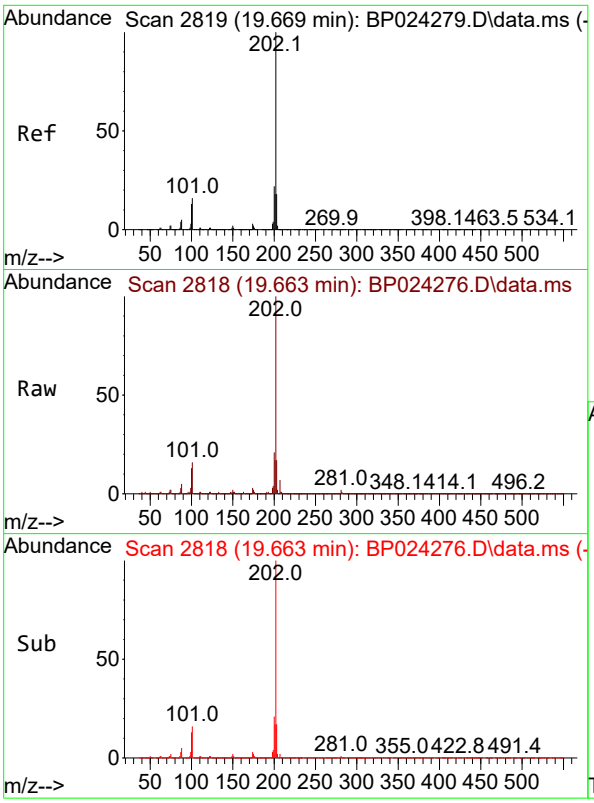


#77
Benzidine
Concen: 2.925 ng m
RT: 19.498 min Scan# 2790
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:184 Resp: 50615

Ion	Ratio	Lower	Upper
184	100		
185	15.8	11.6	17.4
183	12.4	9.2	13.8



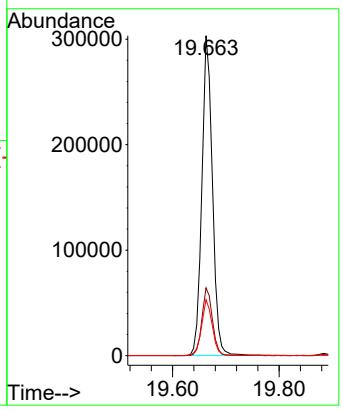


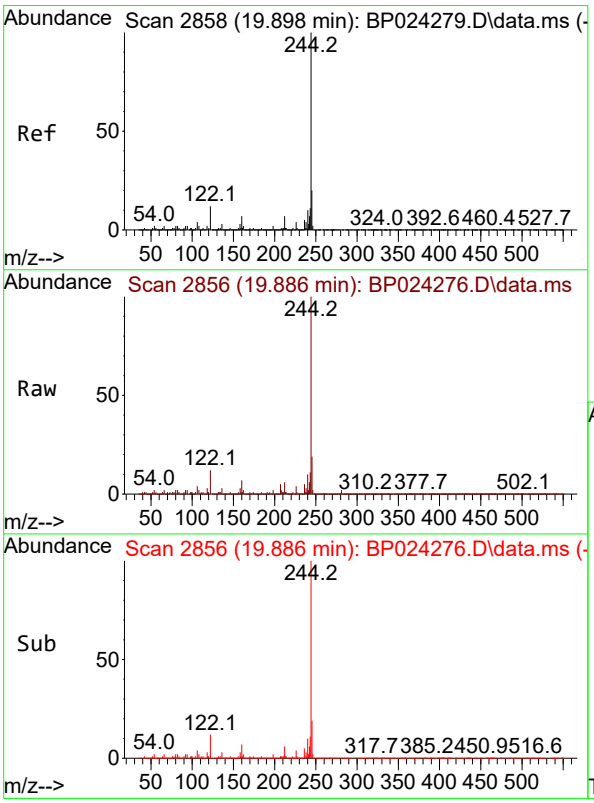
#78
Pyrene
Concen: 4.657 ng
RT: 19.663 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:202 Resp: 417746

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.2	25.8
203	17.5	14.4	21.6

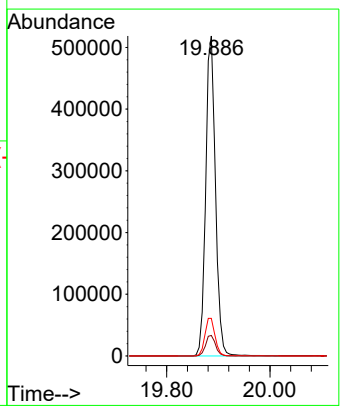


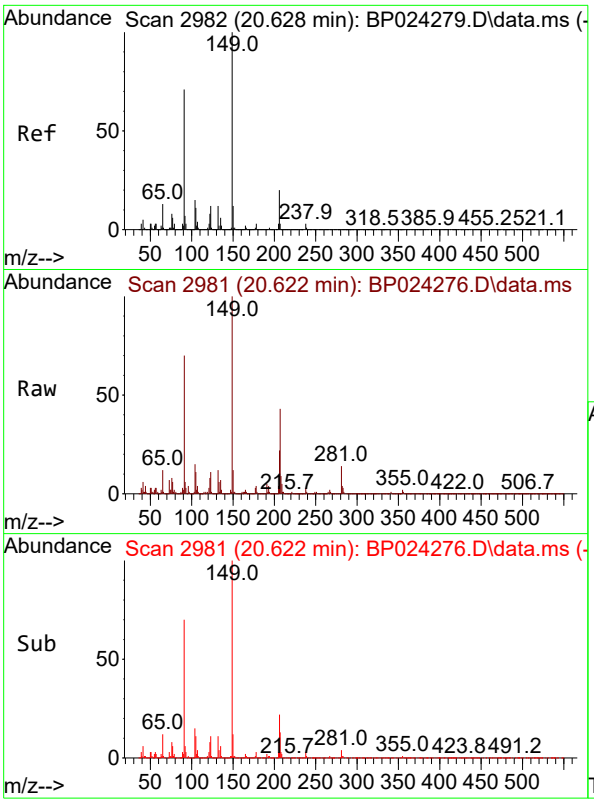


#79
Terphenyl-d14
Concen: 9.638 ng
RT: 19.886 min Scan# 2856
Delta R.T. -0.012 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:244 Resp: 677812

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.6	8.4
122	11.7	9.4	14.0



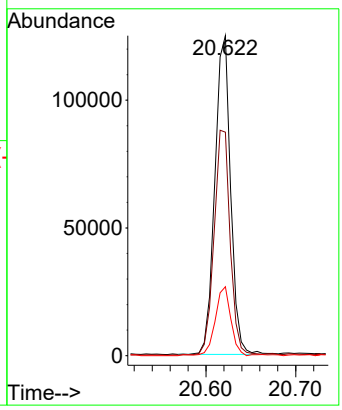


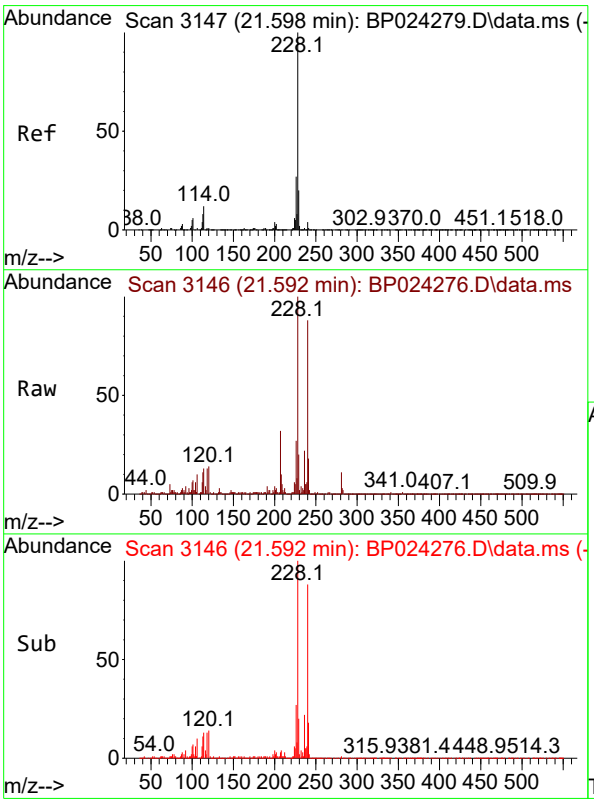
#80
Butylbenzylphthalate
Concen: 4.024 ng
RT: 20.622 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 152196

Ion	Ratio	Lower	Upper
149	100		
91	69.9	56.4	84.6
206	21.6	16.3	24.5

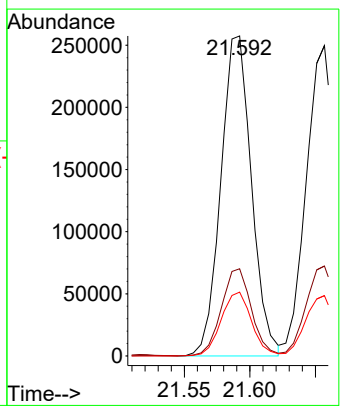


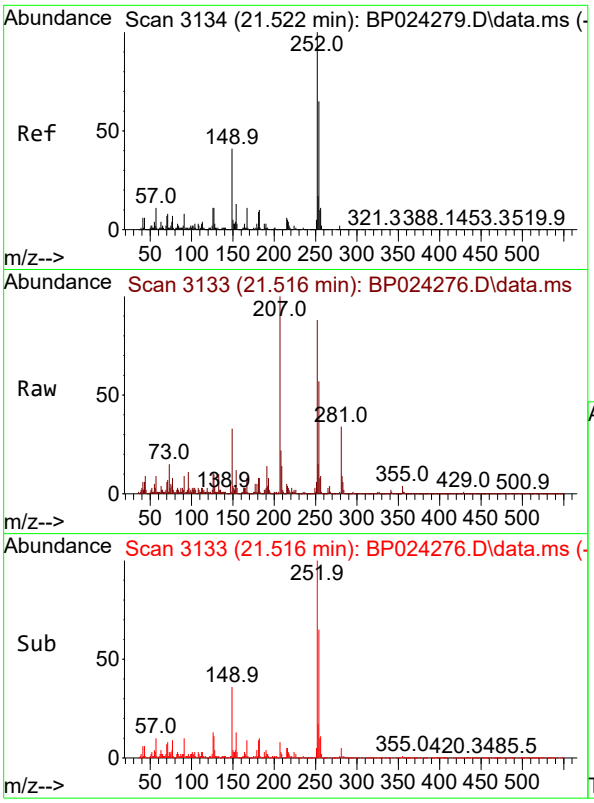


#81
Benzo(a)anthracene
Concen: 4.791 ng
RT: 21.592 min Scan# 3146
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:228 Resp: 418745

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	20.0	15.9	23.9



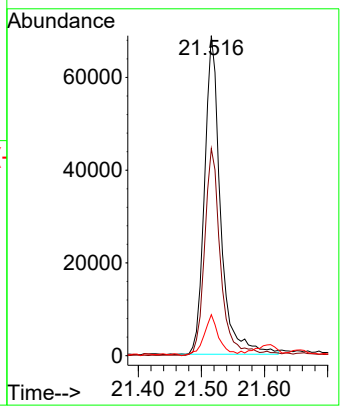


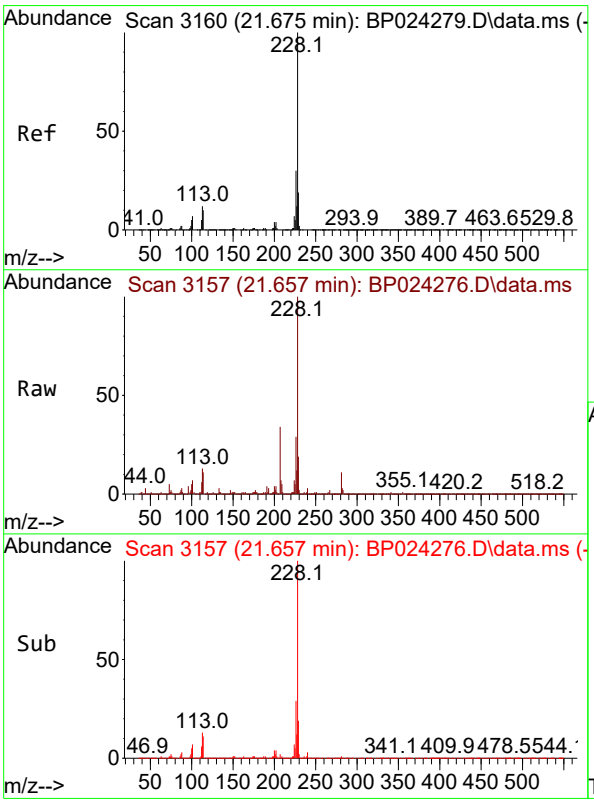
#82
3,3'-Dichlorobenzidine
Concen: 3.994 ng
RT: 21.516 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 121047

Ion	Ratio	Lower	Upper
252	100		
254	64.7	51.7	77.5
126	12.8	8.8	13.2

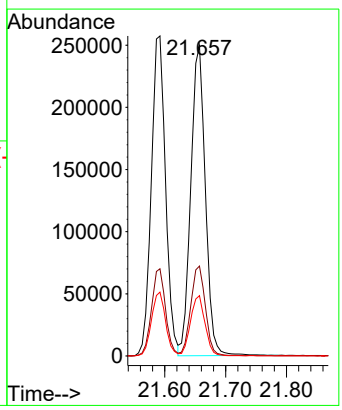


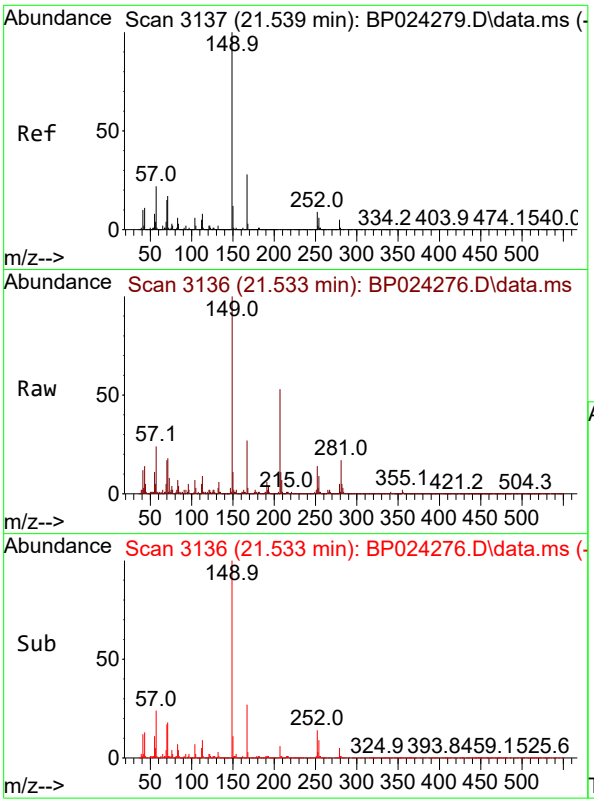


#83
Chrysene
Concen: 4.937 ng
RT: 21.657 min Scan# 3157
Delta R.T. -0.018 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:228 Resp: 413570

Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.2	36.2
229	19.4	15.6	23.4



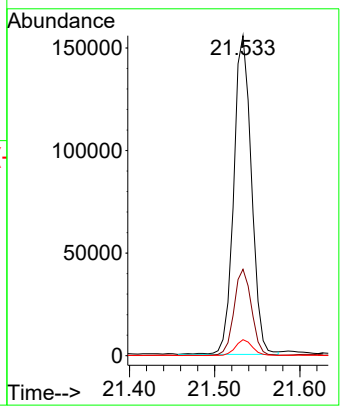


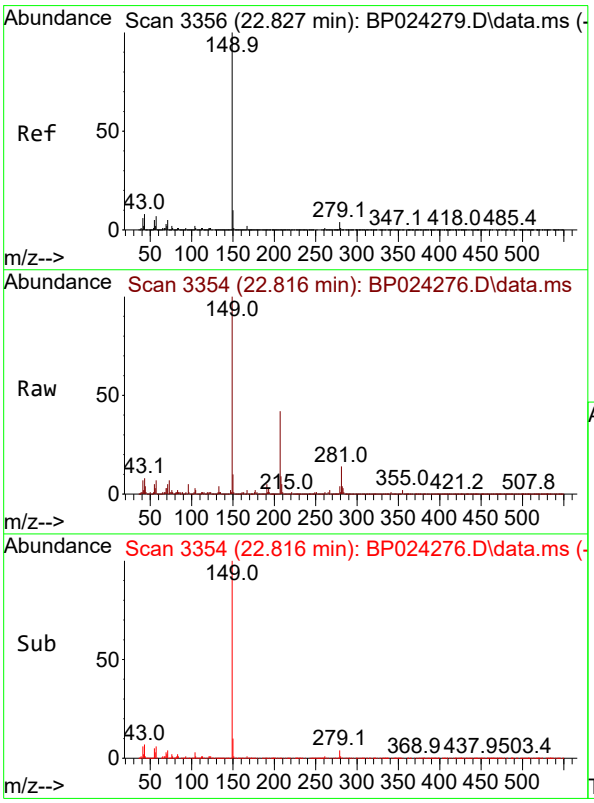
#84
Bis(2-ethylhexyl)phthalate
Concen: 4.021 ng
RT: 21.533 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 223960

Ion	Ratio	Lower	Upper
149	100		
167	27.0	22.4	33.6
279	5.0	4.0	6.0

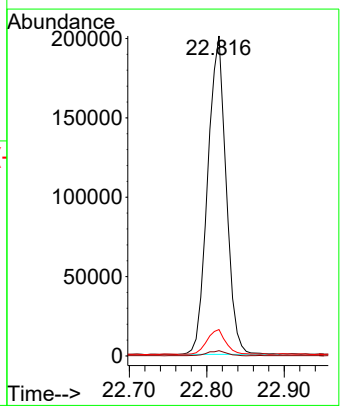


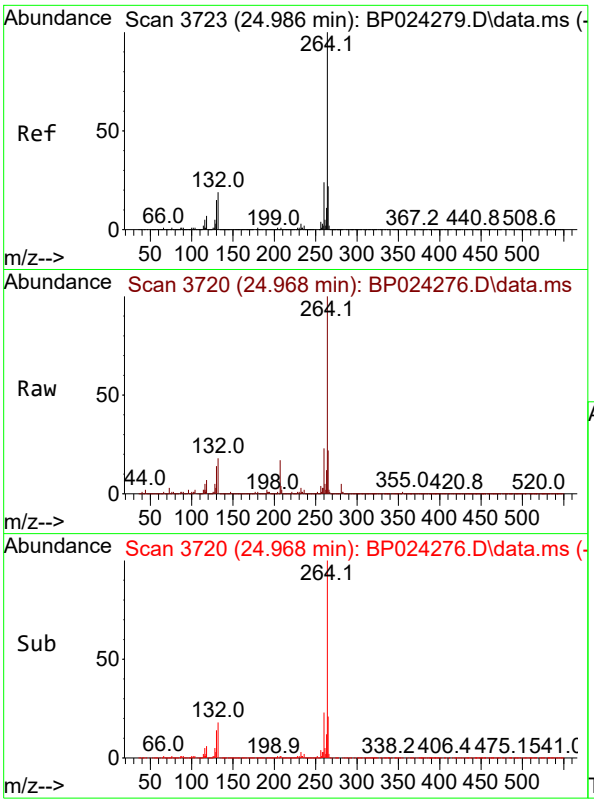


#85
Di-n-octyl phthalate
Concen: 3.712 ng
RT: 22.816 min Scan# 3354
Delta R.T. -0.012 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:149 Resp: 331185

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.9	6.0	9.0



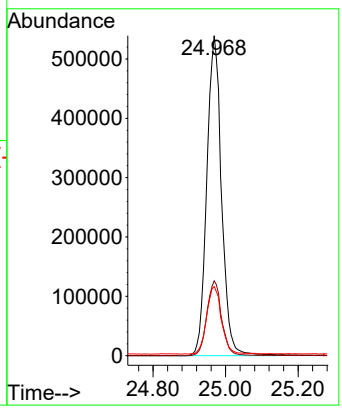


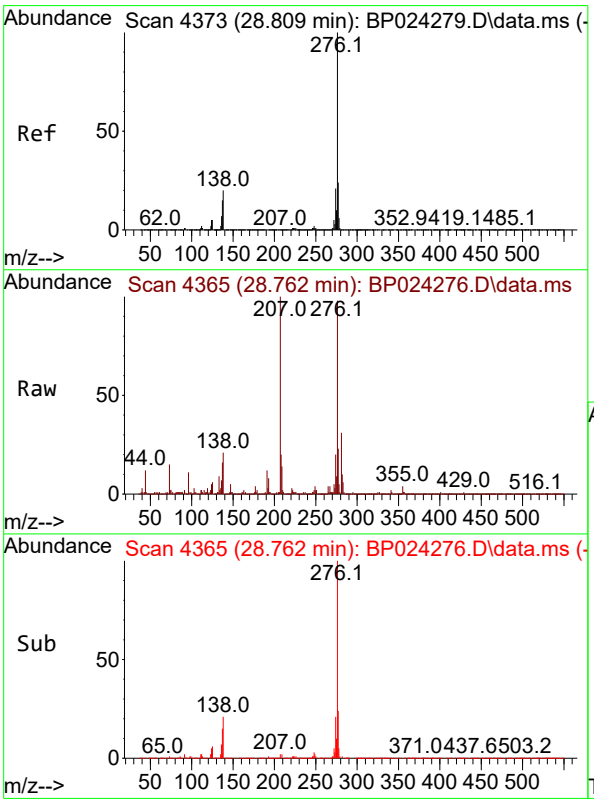
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.968 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:264 Resp: 1519057

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.9	28.3
265	21.6	17.8	26.6

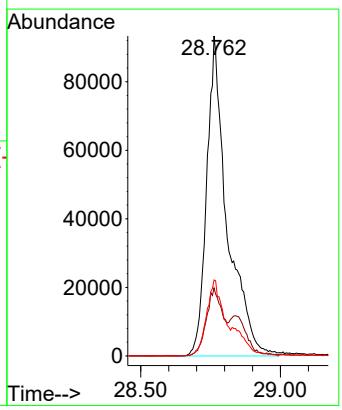


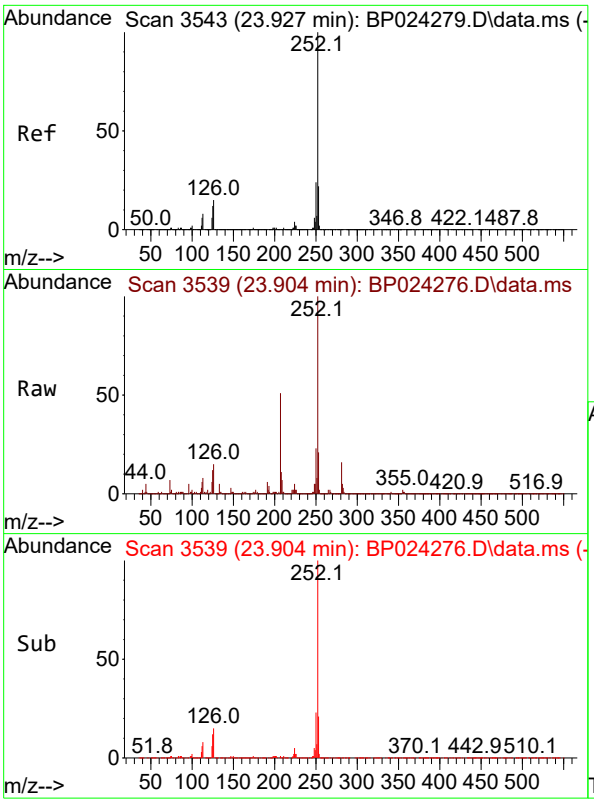


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.552 ng
RT: 28.762 min Scan# 4365
Delta R.T. -0.047 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:276 Resp: 475578

Ion	Ratio	Lower	Upper
276	100		
138	16.7	14.5	21.7
277	19.3	20.2	30.2#



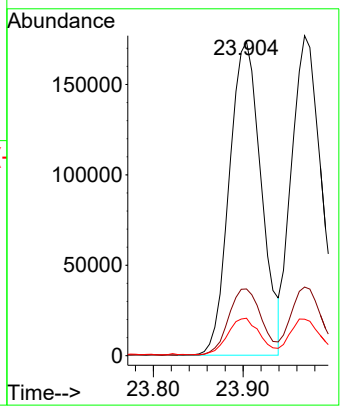


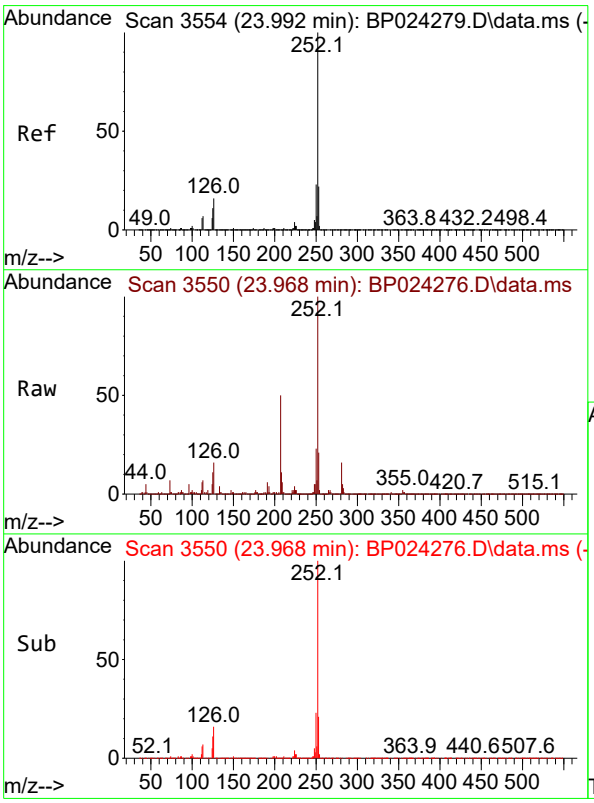
#88
Benzo(b)fluoranthene
Concen: 4.723 ng
RT: 23.904 min Scan# 3
Delta R.T. -0.024 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 429214

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.7	26.5
125	11.9	9.4	14.0

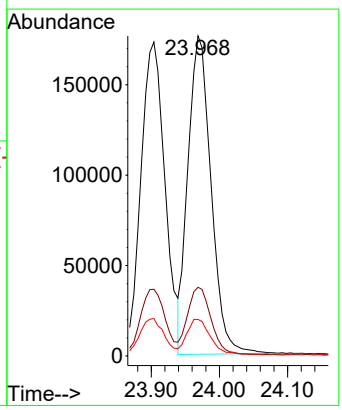


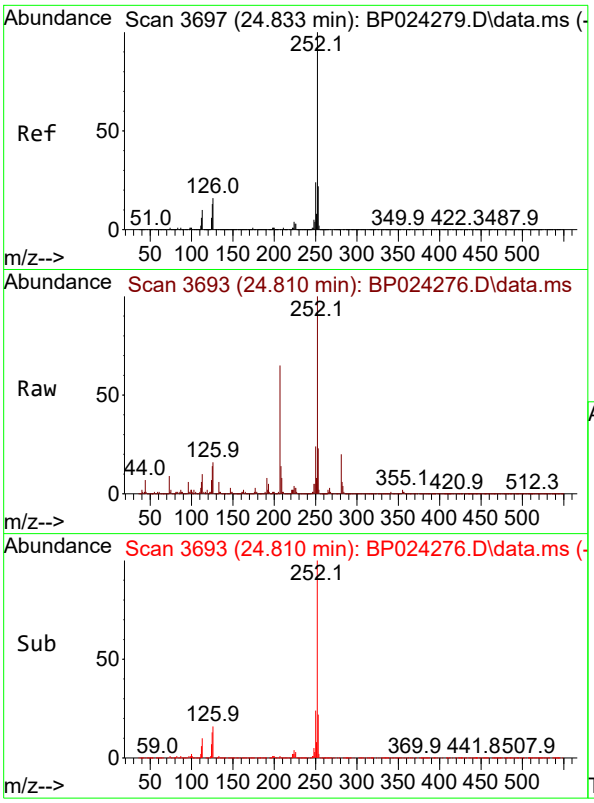


#89
Benzo(k)fluoranthene
Concen: 4.686 ng
RT: 23.968 min Scan# 3550
Delta R.T. -0.024 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:252 Resp: 413302

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.7	26.5
125	11.4	9.1	13.7



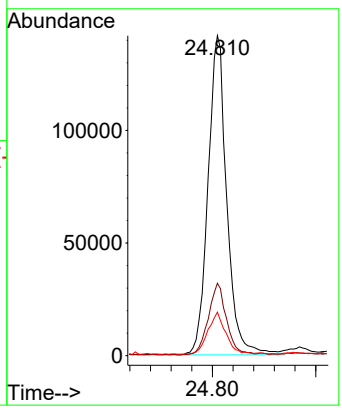


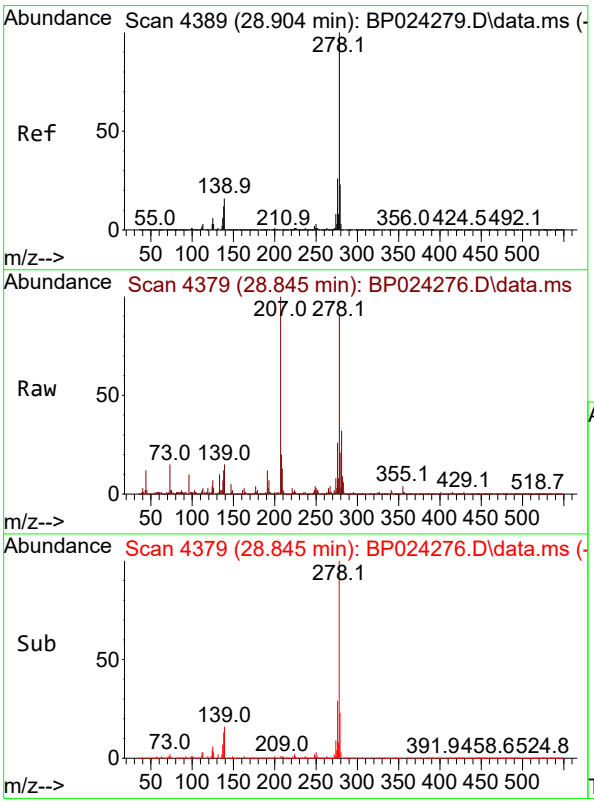
#90
Benzo(a)pyrene
Concen: 4.559 ng
RT: 24.810 min Scan# 3
Delta R.T. -0.024 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 356658

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.6	26.4
125	13.6	10.1	15.1

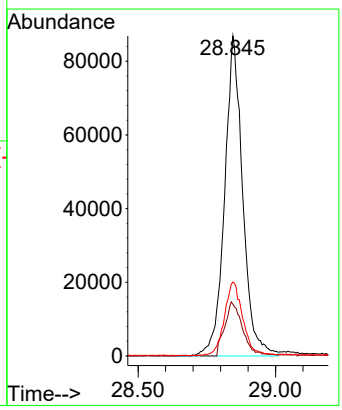


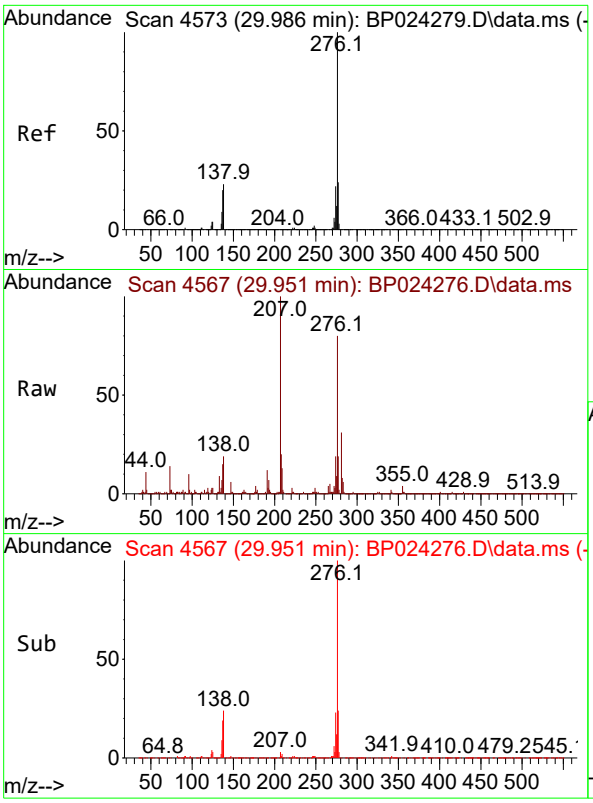


#91
Dibenzo(a,h)anthracene
Concen: 4.571 ng
RT: 28.845 min Scan# 4379
Delta R.T. -0.059 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:278 Resp: 397247

Ion	Ratio	Lower	Upper
278	100		
139	16.2	12.6	19.0
279	23.1	18.5	27.7



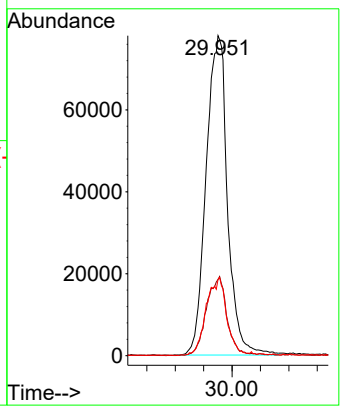


#92
Benzo(g,h,i)perylene
Concen: 4.607 ng
RT: 29.951 min Scan# 4
Delta R.T. -0.035 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 407522

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.9	28.3
138	23.8	18.7	28.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024277.D
Acq On : 14 Apr 2025 12:27
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Quant Time: Apr 14 17:26:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.734	152	237860	20.000	ng		0.00
21) Naphthalene-d8	10.510	136	1022895	20.000	ng		0.00
39) Acenaphthene-d10	14.363	164	658652	20.000	ng		0.00
64) Phenanthrene-d10	17.163	188	1310701	20.000	ng		0.00
76) Chrysene-d12	21.616	240	1408913	20.000	ng		0.00
86) Perylene-d12	24.980	264	1508235	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.352	112	272237	18.889	ng		0.00
7) Phenol-d6	6.910	99	369199	18.725	ng		0.00
23) Nitrobenzene-d5	8.881	82	345094	19.207	ng		0.00
42) 2,4,6-Tribromophenol	15.886	330	168790	18.715	ng		0.00
45) 2-Fluorobiphenyl	12.975	172	878366	20.247	ng		0.00
79) Terphenyl-d14	19.892	244	1405643	19.888	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.293	88	61433	9.984	ng		98
3) Pyridine	3.693	79	152243	9.506	ng		99
4) n-Nitrosodimethylamine	3.599	42	52702	9.868	ng	#	98
6) Aniline	7.069	93	176840	9.935	ng		99
8) 2-Chlorophenol	7.305	128	154194	9.573	ng		100
9) Benzaldehyde	6.887	77	111093m	10.879	ng		
10) Phenol	6.940	94	186113	9.401	ng		97
11) bis(2-Chloroethyl)ether	7.157	93	156684	9.794	ng		98
12) 1,3-Dichlorobenzene	7.622	146	176712	10.126	ng		97
13) 1,4-Dichlorobenzene	7.769	146	177067	10.006	ng		99
14) 1,2-Dichlorobenzene	8.081	146	171376	10.016	ng		99
15) Benzyl Alcohol	7.969	79	111176	8.797	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.252	45	177896	10.221	ng		98
17) 2-Methylphenol	8.175	107	119161	9.340	ng		98
18) Hexachloroethane	8.804	117	63912	10.007	ng		98
19) n-Nitroso-di-n-propyla...	8.528	70	119861	9.787	ng		100
20) 3+4-Methylphenols	8.499	107	162332	9.187	ng		99
22) Acetophenone	8.546	105	248823	9.787	ng		99
24) Nitrobenzene	8.922	77	170770	9.590	ng		98
25) Isophorone	9.446	82	307272	9.473	ng		99
26) 2-Nitrophenol	9.628	139	73320	8.575	ng		96
27) 2,4-Dimethylphenol	9.693	122	99186	9.152	ng		97
28) bis(2-Chloroethoxy)met...	9.922	93	217866	9.869	ng		99
29) 2,4-Dichlorophenol	10.163	162	136816	9.263	ng		99
30) 1,2,4-Trichlorobenzene	10.369	180	155965	9.760	ng		100
31) Naphthalene	10.557	128	538892	9.953	ng		99
32) Benzoic acid	9.781	122	94803m	8.095	ng		
33) 4-Chloroaniline	10.669	127	178451	9.433	ng		99
34) Hexachlorobutadiene	10.845	225	92662	9.885	ng		99
35) Caprolactam	11.440	113	47014	8.670	ng		98
36) 4-Chloro-3-methylphenol	11.798	107	158563	9.213	ng		99
37) 2-Methylnaphthalene	12.169	142	368122	9.810	ng		98
38) 1-Methylnaphthalene	12.387	142	365139	9.933	ng		100
40) 1,2,4,5-Tetrachloroben...	12.540	216	177188	9.789	ng		100
41) Hexachlorocyclopentadiene	12.516	237	60914	9.586	ng		96
43) 2,4,6-Trichlorophenol	12.781	196	110203	9.253	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024277.D
Acq On : 14 Apr 2025 12:27
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Quant Time: Apr 14 17:26:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

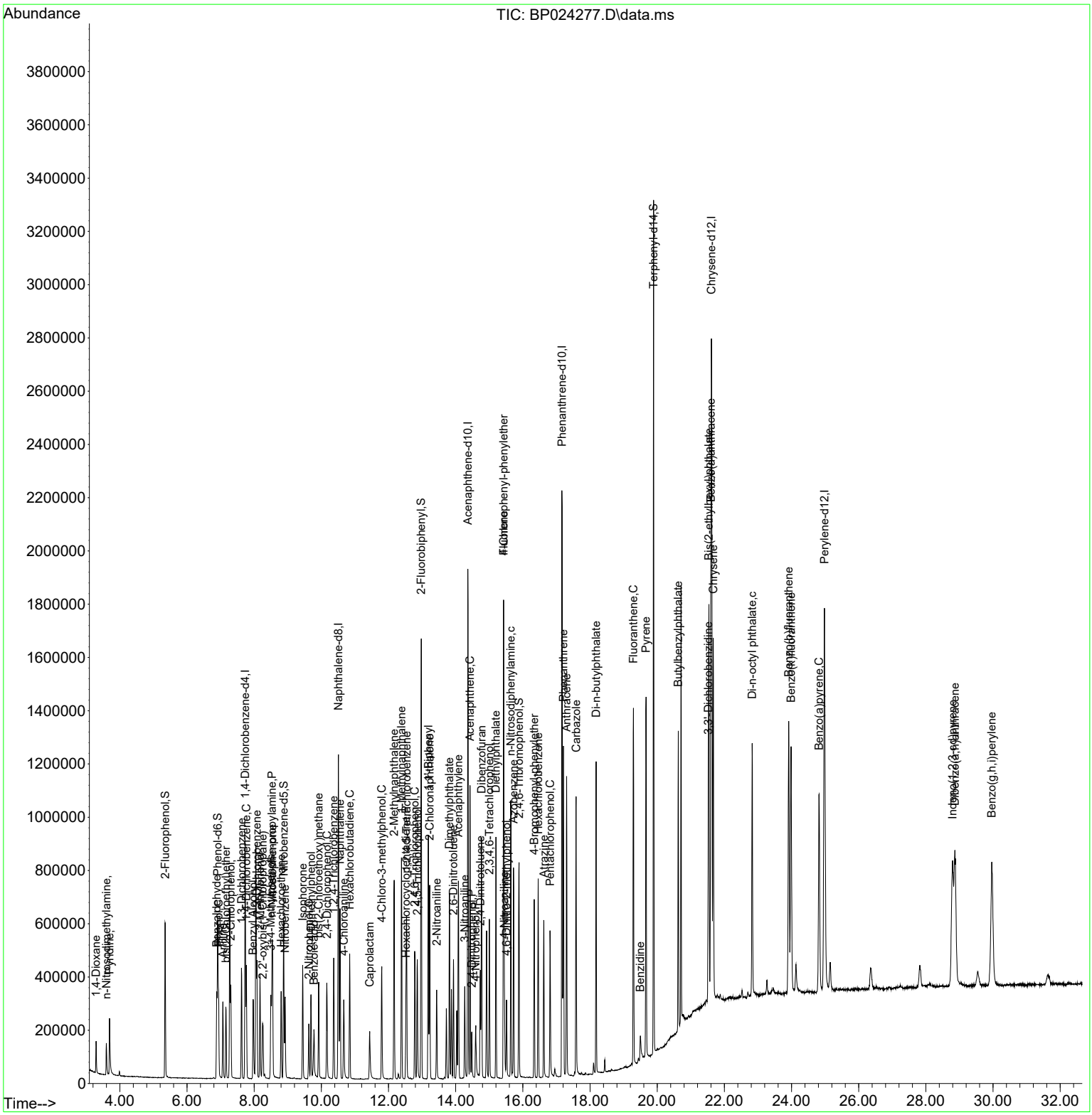
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.857	196	122104	9.251	ng		98
46) 1,1'-Biphenyl	13.187	154	490325	10.080	ng		100
47) 2-Chloronaphthalene	13.228	162	362419	9.985	ng		98
48) 2-Nitroaniline	13.434	65	88889	8.866	ng		95
49) Acenaphthylene	14.081	152	553215	9.711	ng		100
50) Dimethylphthalate	13.816	163	466314	9.704	ng		99
51) 2,6-Dinitrotoluene	13.934	165	95596	9.442	ng		96
52) Acenaphthene	14.428	154	357828	9.877	ng		99
53) 3-Nitroaniline	14.269	138	95237	9.067	ng		97
54) 2,4-Dinitrophenol	14.481	184	41132	7.588	ng		97
55) Dibenzofuran	14.769	168	594953	10.013	ng		99
56) 4-Nitrophenol	14.598	139	75995	8.416	ng		95
57) 2,4-Dinitrotoluene	14.734	165	121276	8.862	ng	#	95
58) Fluorene	15.428	166	459952	10.026	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.004	232	115645	9.470	ng		100
60) Diethylphthalate	15.198	149	488847	9.884	ng		100
61) 4-Chlorophenyl-phenyle...	15.428	204	222437	9.985	ng		97
62) 4-Nitroaniline	15.451	138	98638	8.857	ng		93
63) Azobenzene	15.722	77	455459	9.999	ng		96
65) 4,6-Dinitro-2-methylph...	15.516	198	62421	8.151	ng		96
66) n-Nitrosodiphenylamine	15.639	169	383558	9.759	ng		99
67) 4-Bromophenyl-phenylether	16.339	248	138724	9.703	ng		97
68) Hexachlorobenzene	16.457	284	161944	9.528	ng		98
69) Atrazine	16.628	200	109503	10.990	ng		98
70) Pentachlorophenol	16.810	266	101318	8.682	ng		96
71) Phenanthrene	17.210	178	711407	9.900	ng		99
72) Anthracene	17.304	178	666269	9.635	ng		100
73) Carbazole	17.586	167	654205	9.721	ng		99
74) Di-n-butylphthalate	18.180	149	806280	9.616	ng		99
75) Fluoranthene	19.292	202	835153	9.791	ng		98
77) Benzidine	19.498	184	99659	5.730	ng		99
78) Pyrene	19.669	202	870767	9.659	ng		99
80) Butylbenzylphthalate	20.627	149	343670	9.043	ng		99
81) Benzo(a)anthracene	21.598	228	854983	9.734	ng		98
82) 3,3'-Dichlorobenzidine	21.521	252	269772	8.857	ng		98
83) Chrysene	21.668	228	832263	9.887	ng		100
84) Bis(2-ethylhexyl)phtha...	21.539	149	517894	9.253	ng		99
85) Di-n-octyl phthalate	22.827	149	769654	8.584	ng		99
87) Indeno(1,2,3-cd)pyrene	28.792	276	983323	9.480	ng		99
88) Benzo(b)fluoranthene	23.915	252	885212	9.810	ng		99
89) Benzo(k)fluoranthene	23.986	252	852606	9.735	ng		99
90) Benzo(a)pyrene	24.815	252	732209	9.426	ng		99
91) Dibenzo(a,h)anthracene	28.862	278	821160	9.517	ng		99
92) Benzo(g,h,i)perylene	29.962	276	836993	9.530	ng		99

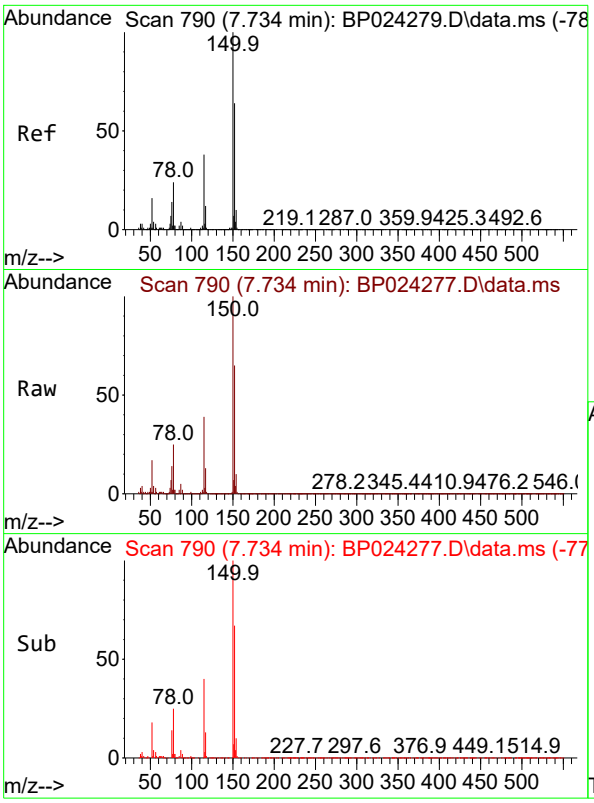
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024277.D
Acq On : 14 Apr 2025 12:27
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Quant Time: Apr 14 17:26:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration



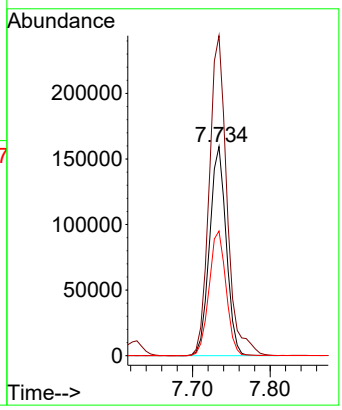


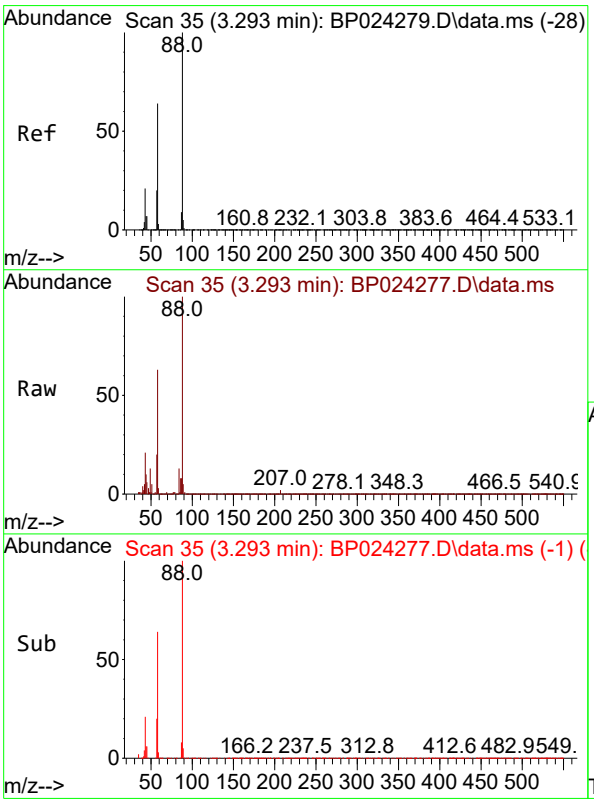
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.734 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 237860

Ion	Ratio	Lower	Upper
152	100		
150	153.1	124.9	187.3
115	59.6	47.7	71.5

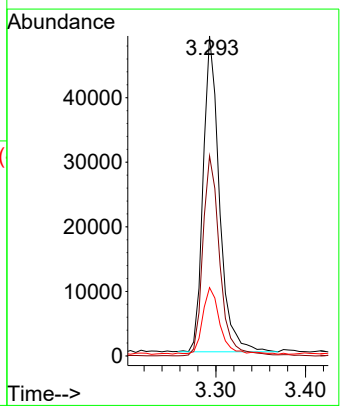


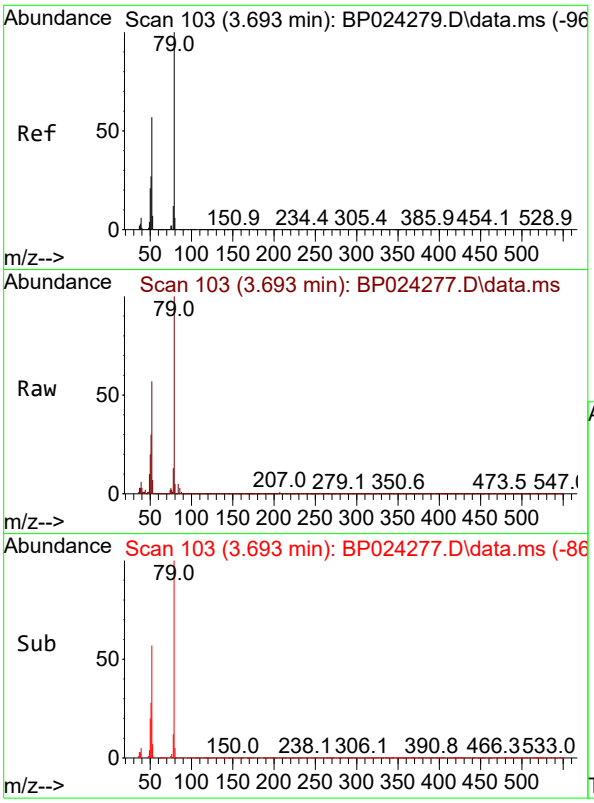


#2
1,4-Dioxane
Concen: 9.984 ng
RT: 3.293 min Scan# 35
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion: 88 Resp: 61433

Ion	Ratio	Lower	Upper
88	100		
58	65.6	51.4	77.2
43	22.9	17.1	25.7



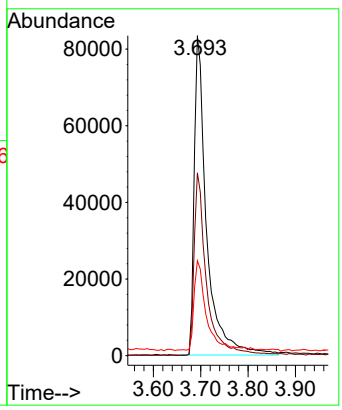


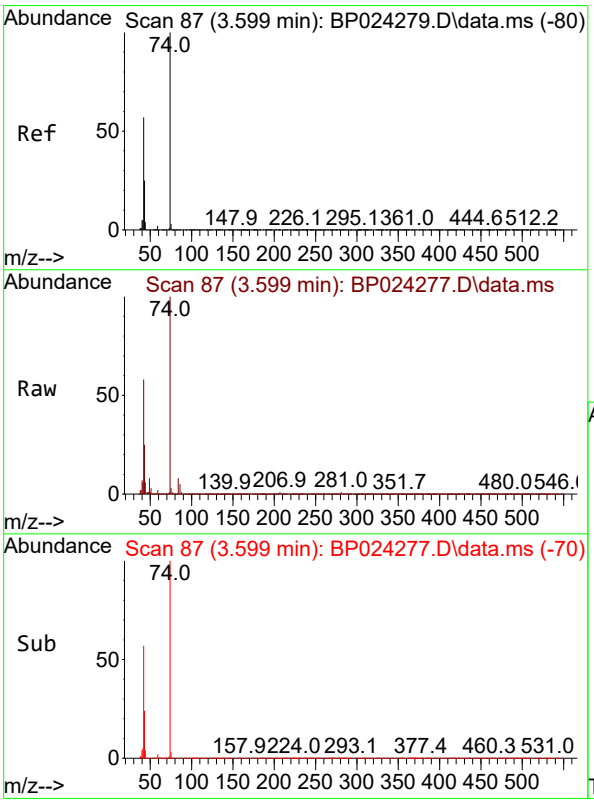
#3
Pyridine
Concen: 9.506 ng
RT: 3.693 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 152243

Ion	Ratio	Lower	Upper
79	100		
52	57.2	45.4	68.2
51	29.7	22.6	33.8

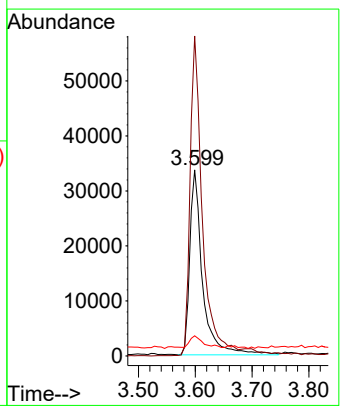


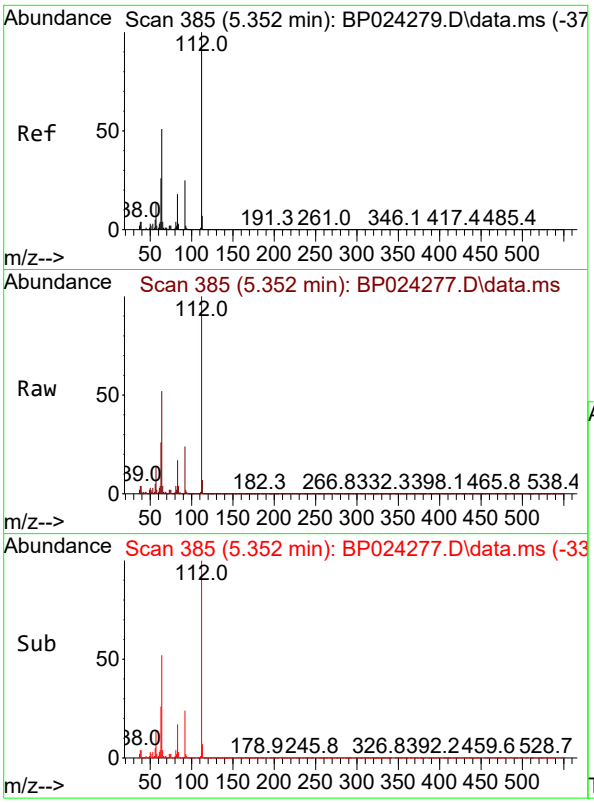


#4
n-Nitrosodimethylamine
Concen: 9.868 ng
RT: 3.599 min Scan# 87
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion: 42 Resp: 52702

Ion	Ratio	Lower	Upper
42	100		
74	172.0	139.5	209.3
44	10.8	5.8	8.8#



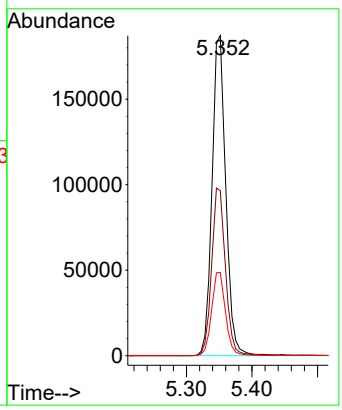


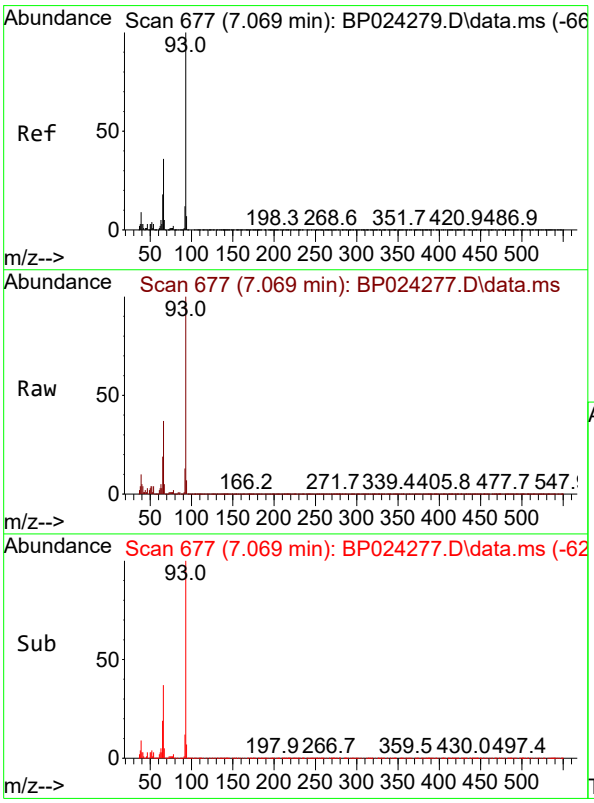
#5
2-Fluorophenol
Concen: 18.889 ng
RT: 5.352 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:112 Resp: 272237

Ion	Ratio	Lower	Upper
112	100		
64	51.6	41.1	61.7
63	26.0	20.6	30.8

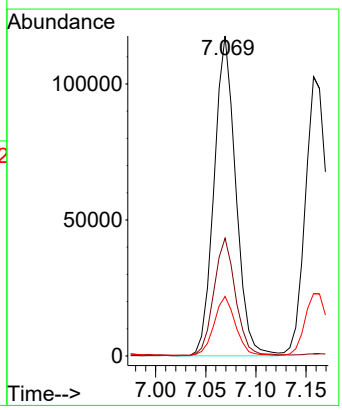


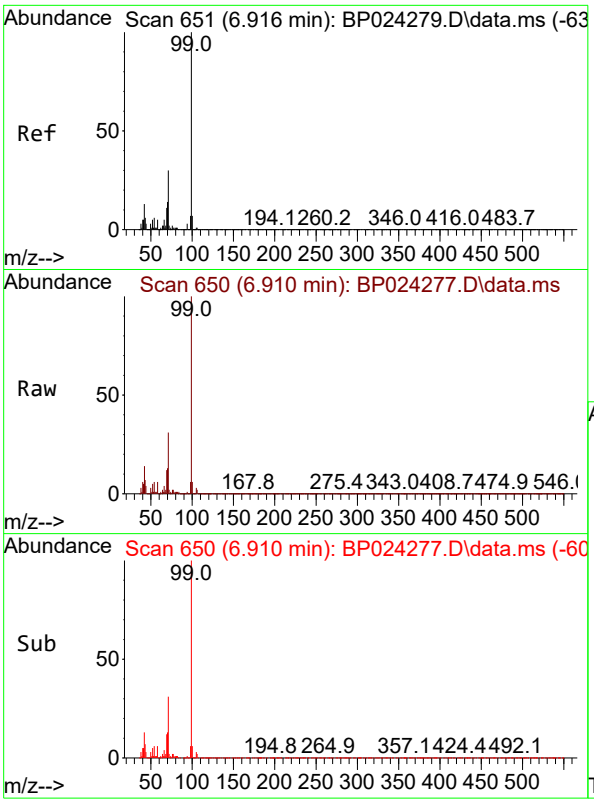


#6
Aniline
Concen: 9.935 ng
RT: 7.069 min Scan# 677
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion: 93 Resp: 176840

Ion	Ratio	Lower	Upper
93	100		
66	36.8	29.1	43.7
65	18.6	14.7	22.1



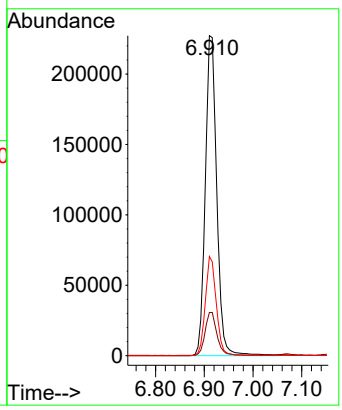


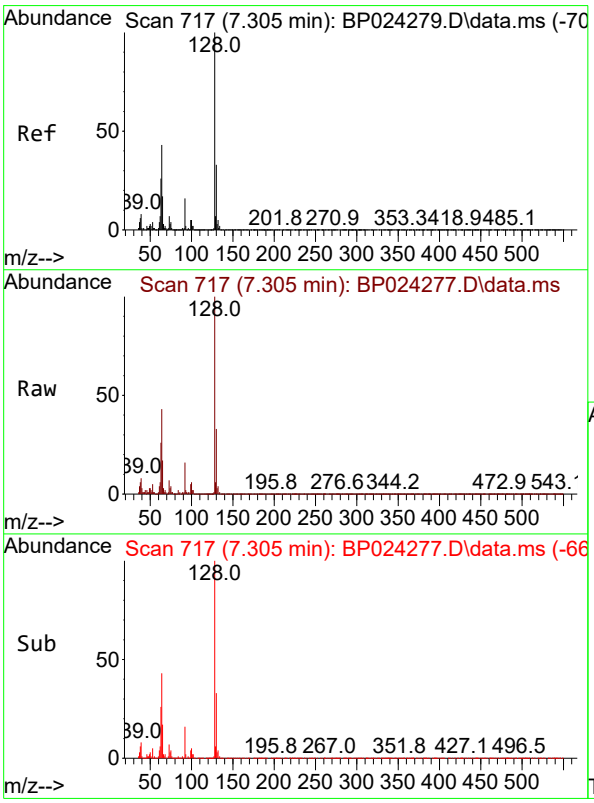
#7
Phenol-d6
Concen: 18.725 ng
RT: 6.910 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 369199

Ion	Ratio	Lower	Upper
99	100		
42	13.5	10.6	16.0
71	31.0	23.7	35.5

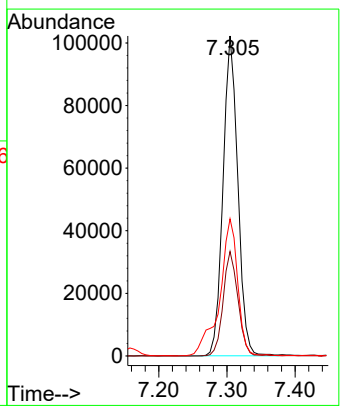


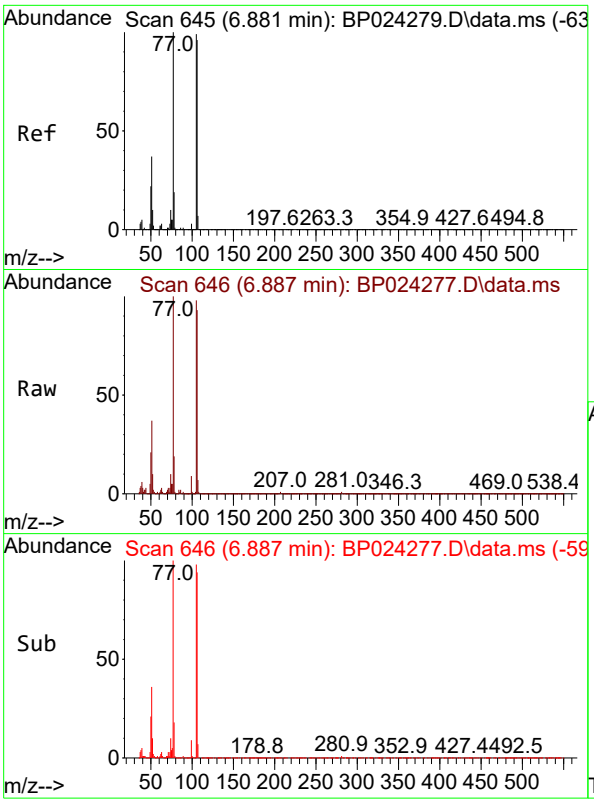


#8
2-Chlorophenol
Concen: 9.573 ng
RT: 7.305 min Scan# 717
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:128 Resp: 154194

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.9	52.9
64	42.8	22.7	62.7



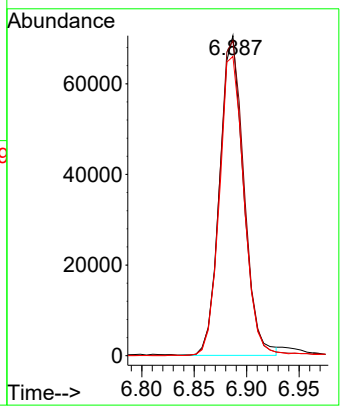


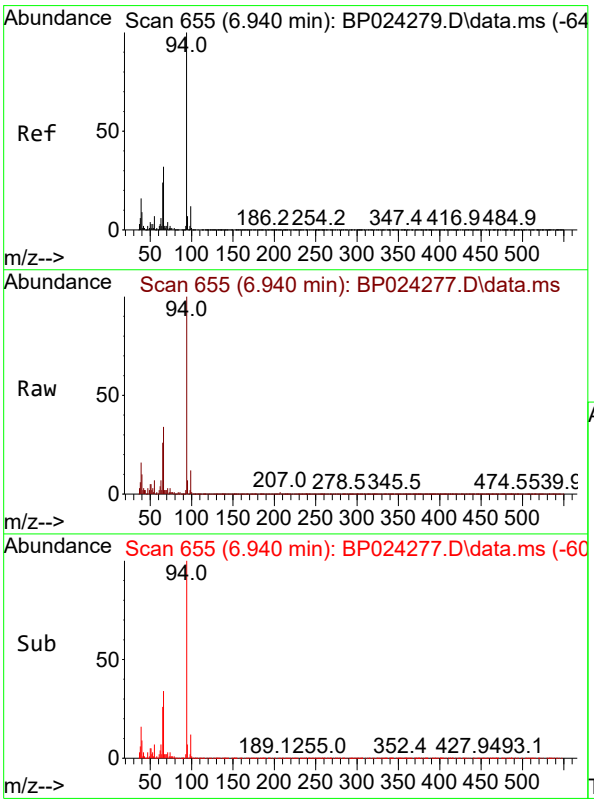
#9
Benzaldehyde
Concen: 10.879 ng m
RT: 6.887 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 111093

Ion	Ratio	Lower	Upper
77	100		
105	98.4	79.2	119.2
106	93.5	76.2	116.2

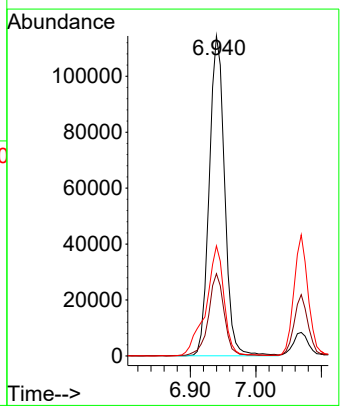


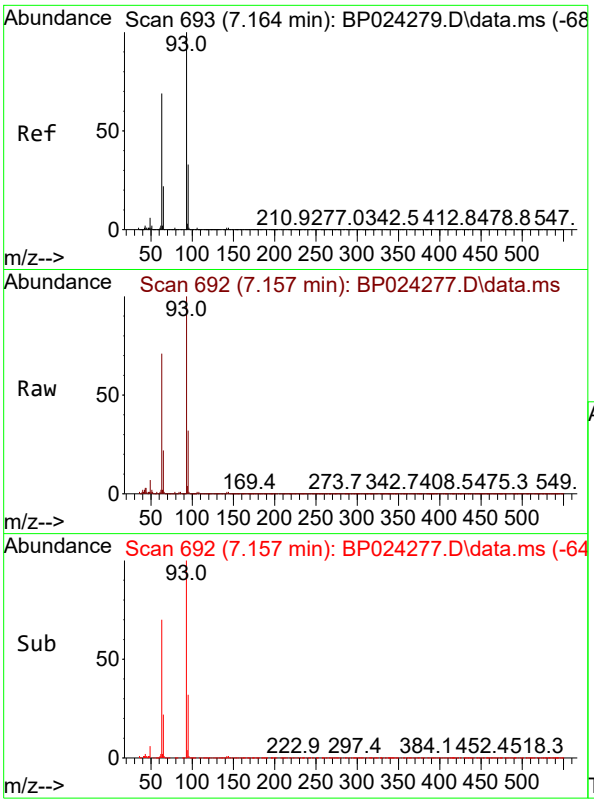


#10
Phenol
Concen: 9.401 ng
RT: 6.940 min Scan# 655
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion: 94 Resp: 186113

Ion	Ratio	Lower	Upper
94	100		
65	25.7	4.5	44.5
66	34.4	12.4	52.4



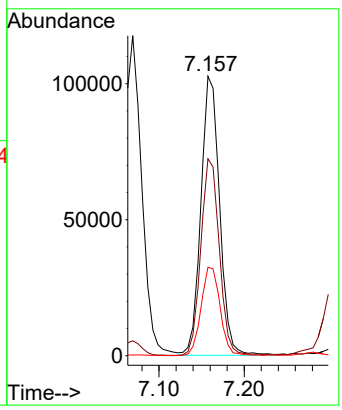


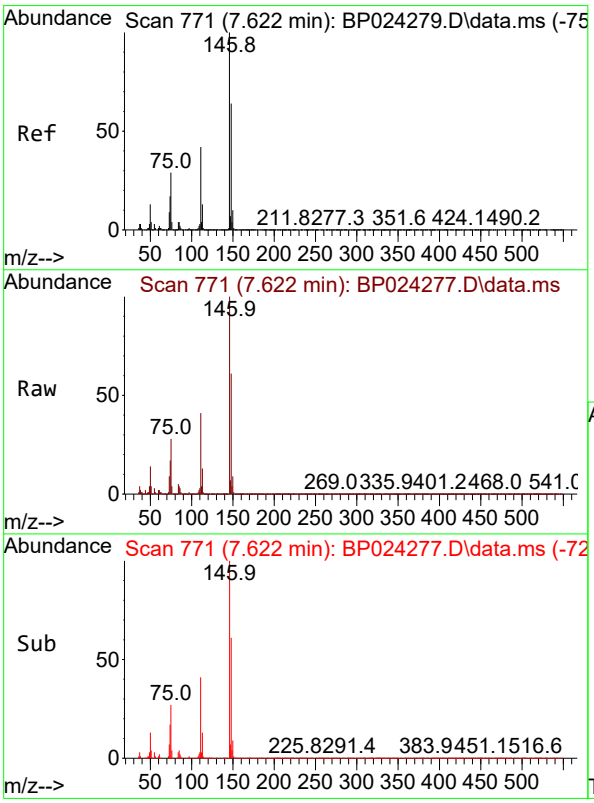
#11
bis(2-Chloroethyl)ether
Concen: 9.794 ng
RT: 7.157 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 156684

Ion	Ratio	Lower	Upper
93	100		
63	70.5	48.6	88.6
95	31.6	12.3	52.3

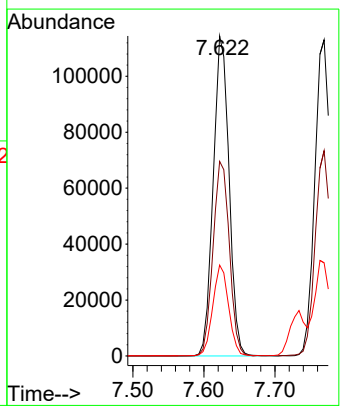


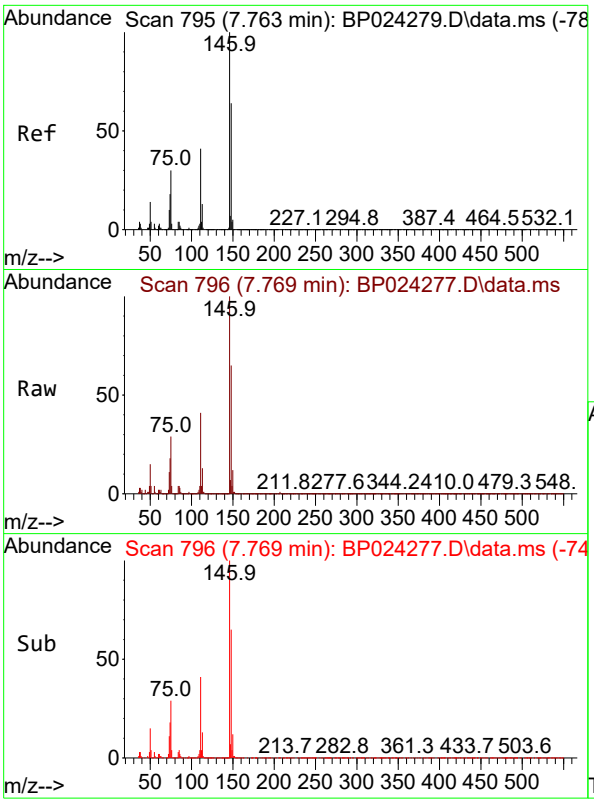


#12
1,3-Dichlorobenzene
Concen: 10.126 ng
RT: 7.622 min Scan# 771
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:146 Resp: 176712

Ion	Ratio	Lower	Upper
146	100		
148	60.8	51.4	77.0
75	28.4	22.9	34.3



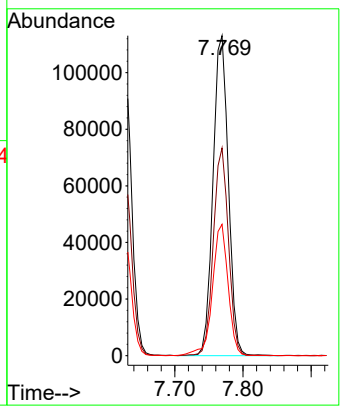


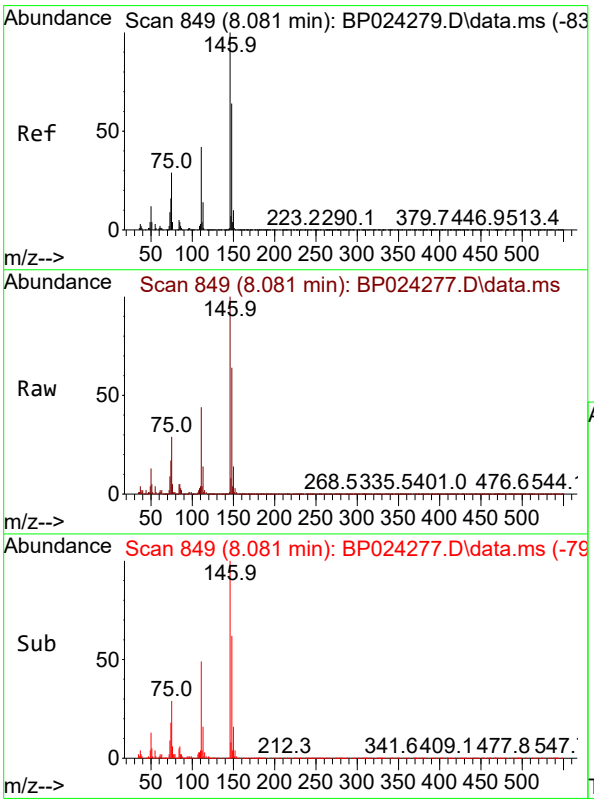
#13
1,4-Dichlorobenzene
Concen: 10.006 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:146 Resp: 177067

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.1	76.7
111	41.1	32.6	48.8

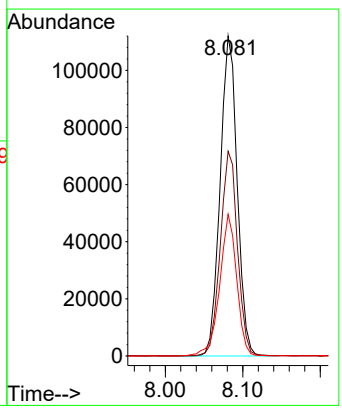


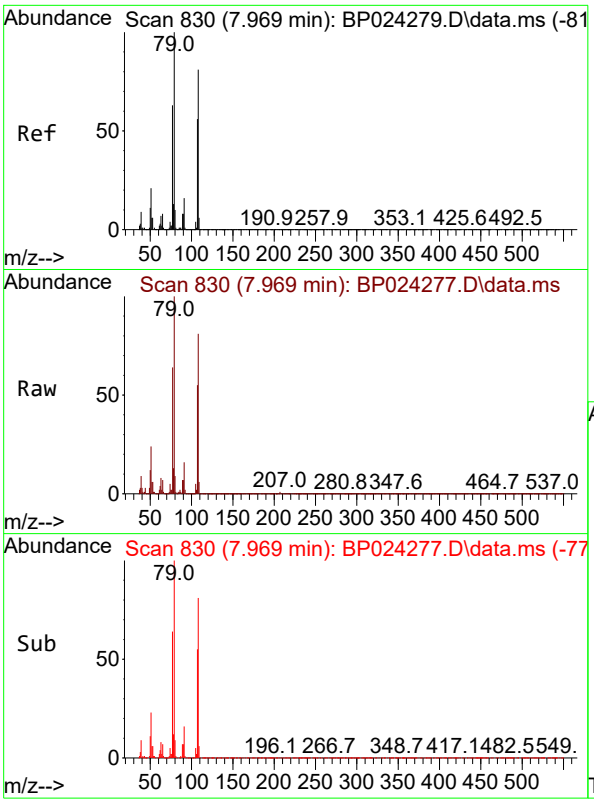


#14
1,2-Dichlorobenzene
Concen: 10.016 ng
RT: 8.081 min Scan# 849
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:146 Resp: 171376

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.0	76.4
111	44.3	33.8	50.8



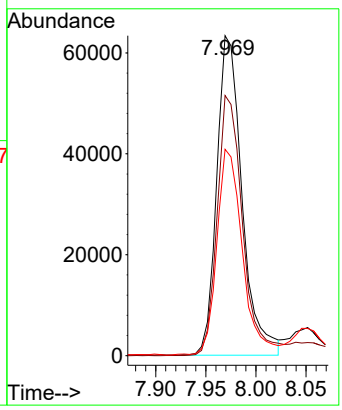


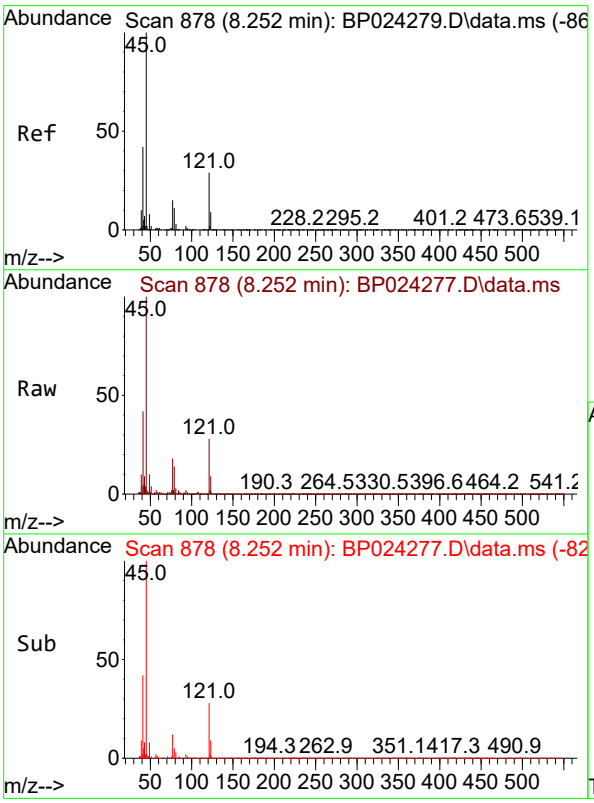
#15
Benzyl Alcohol
Concen: 8.797 ng
RT: 7.969 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 111176

Ion	Ratio	Lower	Upper
79	100		
108	81.3	65.1	97.7
77	64.5	50.7	76.1

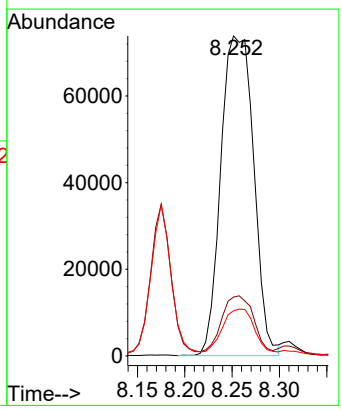


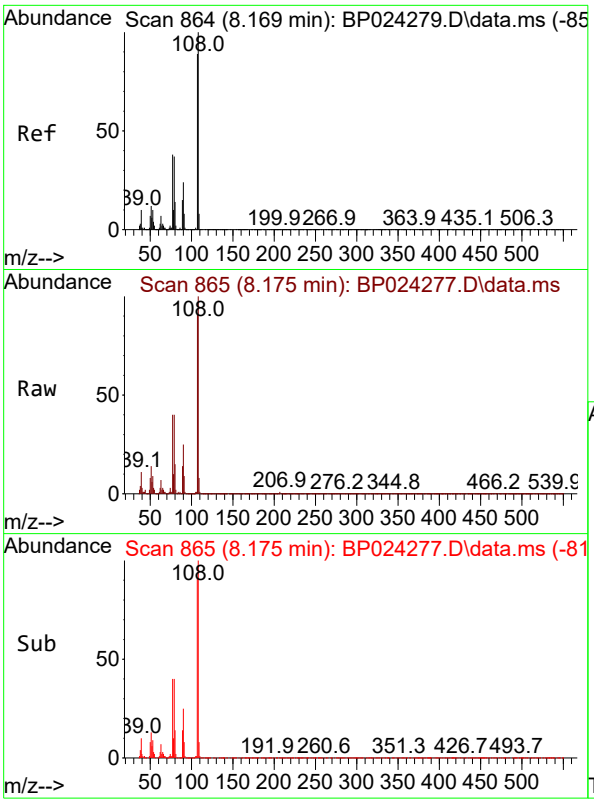


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.221 ng
RT: 8.252 min Scan# 878
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion: 45 Resp: 177896

Ion	Ratio	Lower	Upper
45	100		
77	18.4	0.0	37.7
79	14.1	0.0	33.5



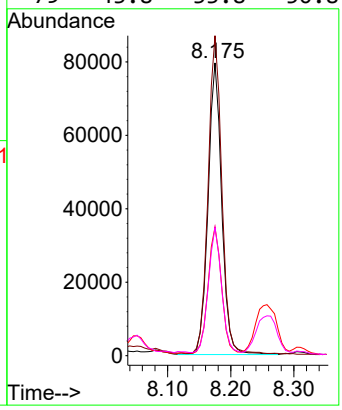


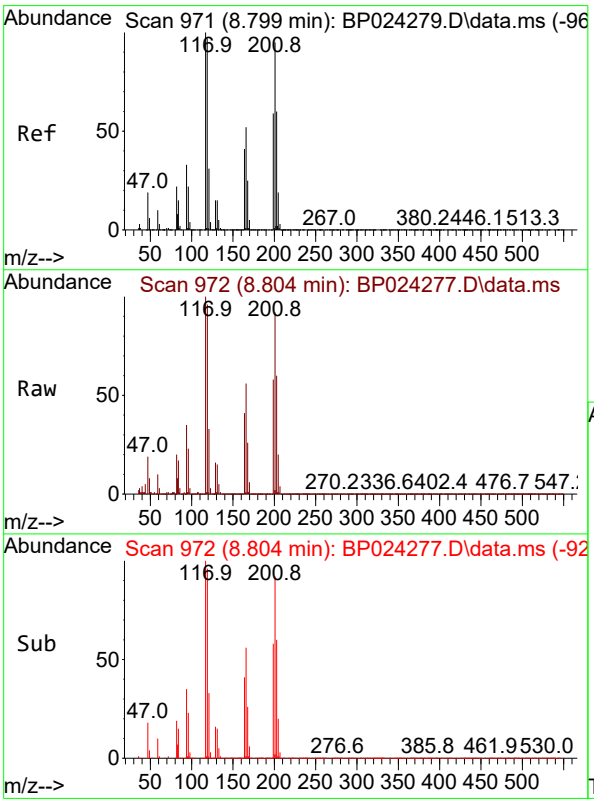
#17
2-Methylphenol
Concen: 9.340 ng
RT: 8.175 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:107 Resp: 119161

Ion	Ratio	Lower	Upper
107	100		
108	109.3	89.8	134.6
77	43.9	34.2	51.4
79	43.8	33.8	50.8

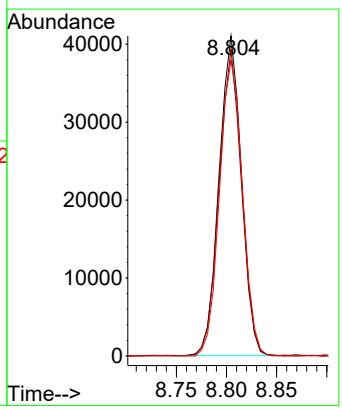


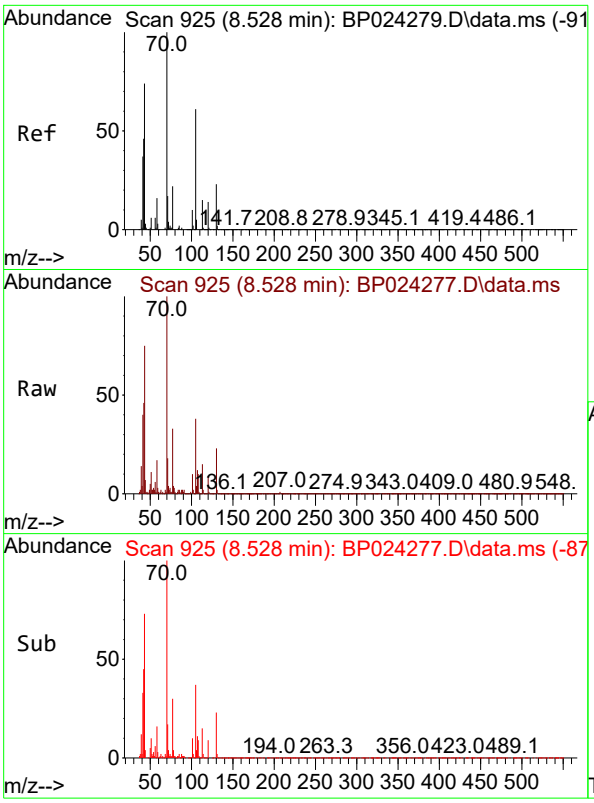


#18
Hexachloroethane
Concen: 10.007 ng
RT: 8.804 min Scan# 972
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:117 Resp: 63912

Ion	Ratio	Lower	Upper
117	100		
119	95.8	77.8	116.6
201	92.4	75.9	113.9



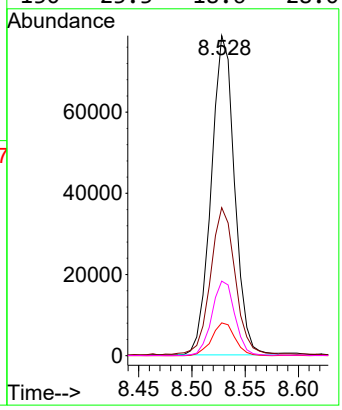


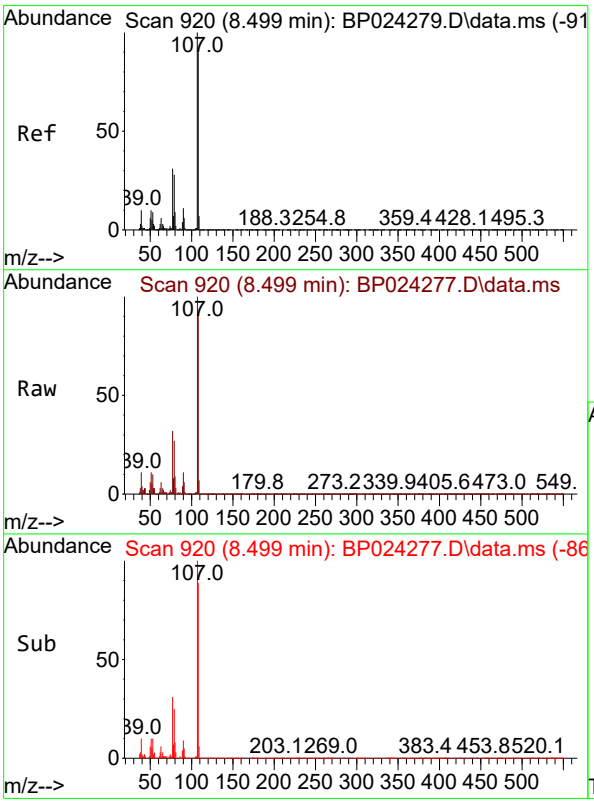
#19
n-Nitroso-di-n-propylamine
Concen: 9.787 ng
RT: 8.528 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 70 Resp: 119861

Ion	Ratio	Lower	Upper
70	100		
42	46.2	37.3	55.9
101	10.3	8.2	12.4
130	23.3	18.6	28.0

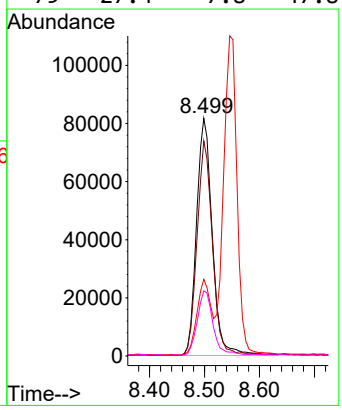


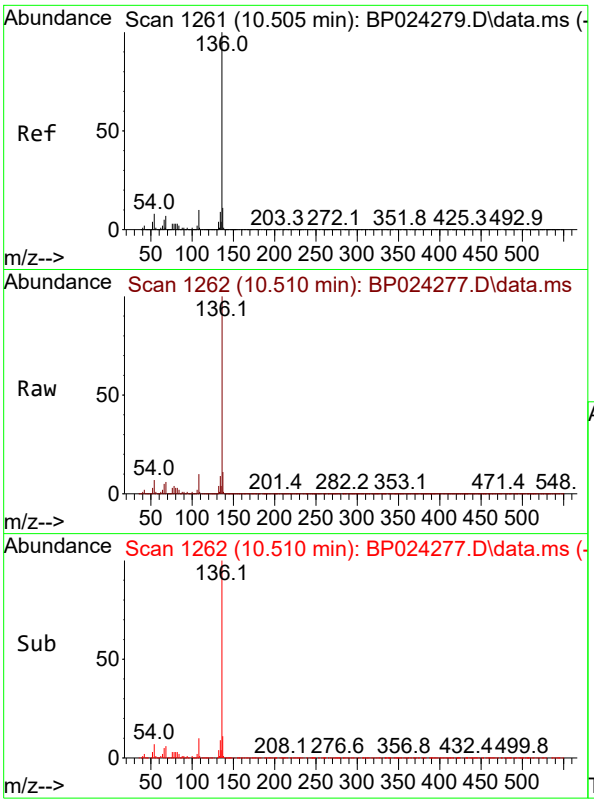


#20
3+4-Methylphenols
Concen: 9.187 ng
RT: 8.499 min Scan# 920
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:107 Resp: 162332

Ion	Ratio	Lower	Upper
107	100		
108	90.5	69.8	109.8
77	32.3	11.5	51.5
79	27.4	7.8	47.8



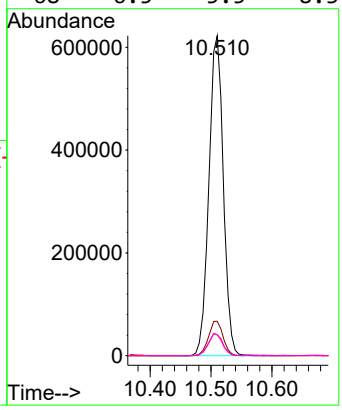


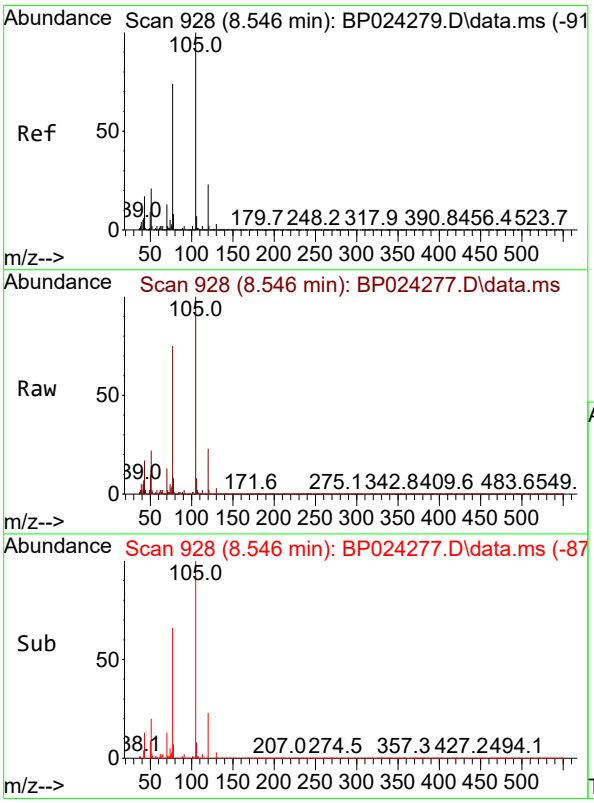
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.510 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:136 Resp: 1022895

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	6.6	6.0	9.0
68	6.5	5.5	8.3

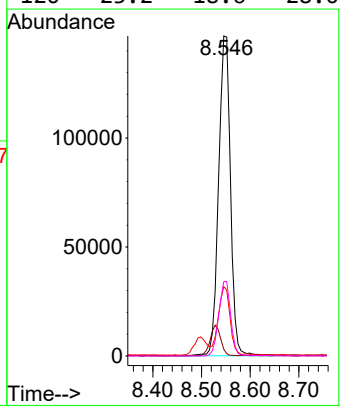


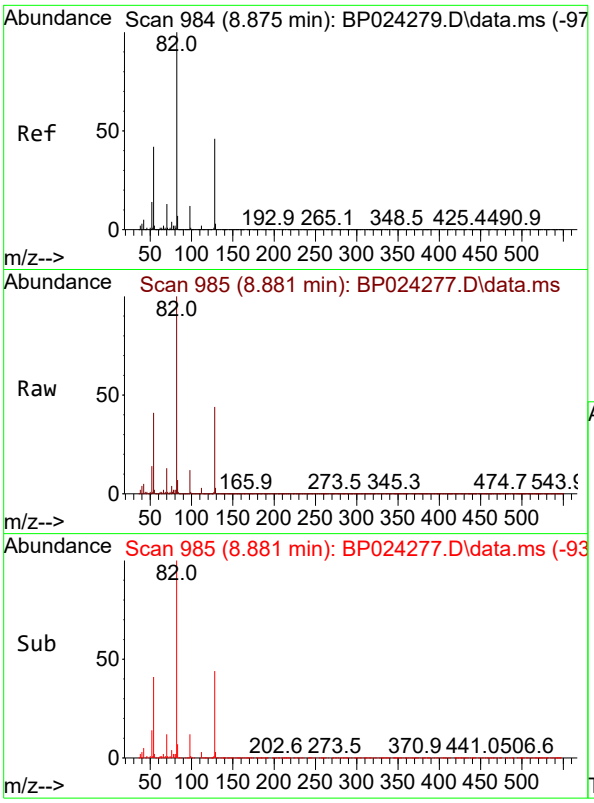


#22
Acetophenone
Concen: 9.787 ng
RT: 8.546 min Scan# 928
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:105 Resp: 248823

Ion	Ratio	Lower	Upper
105	100		
71	2.1	1.7	2.5
51	21.7	16.9	25.3
120	23.2	18.6	28.0



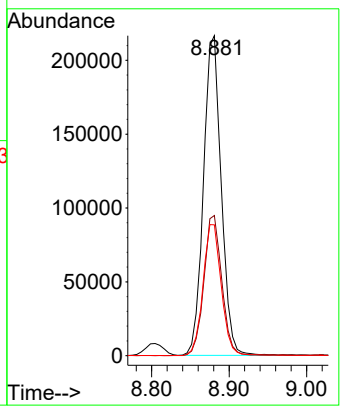


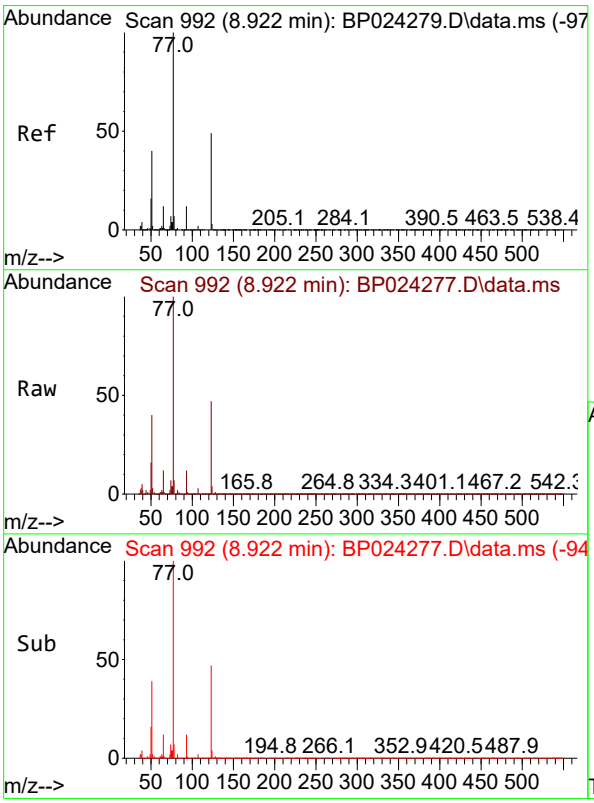
#23
Nitrobenzene-d5
Concen: 19.207 ng
RT: 8.881 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 345094

Ion	Ratio	Lower	Upper
82	100		
128	43.8	36.5	54.7
54	40.9	33.4	50.2

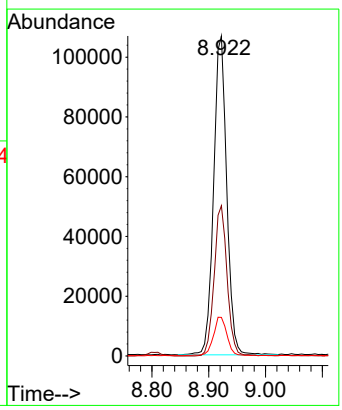


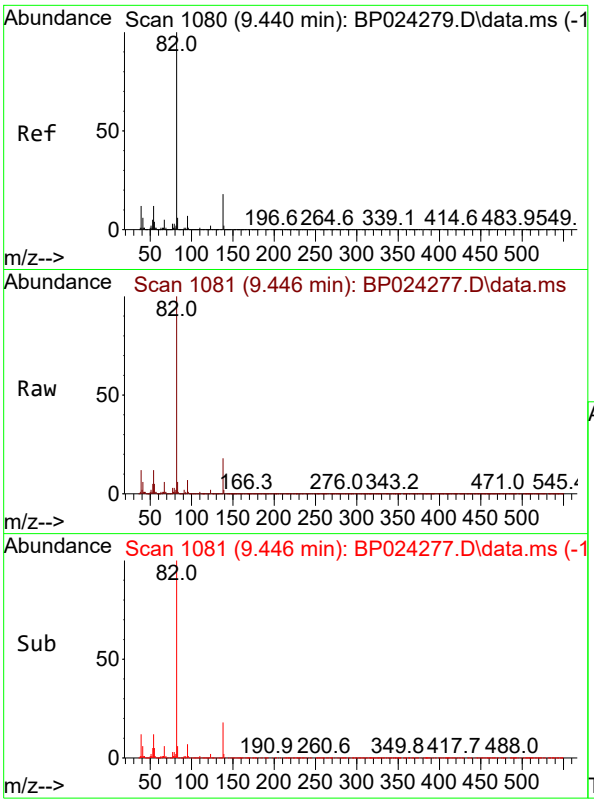


#24
Nitrobenzene
Concen: 9.590 ng
RT: 8.922 min Scan# 992
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion: 77 Resp: 170770

Ion	Ratio	Lower	Upper
77	100		
123	47.0	39.2	58.8
65	12.1	9.8	14.6



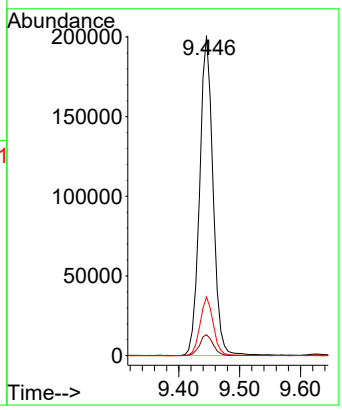


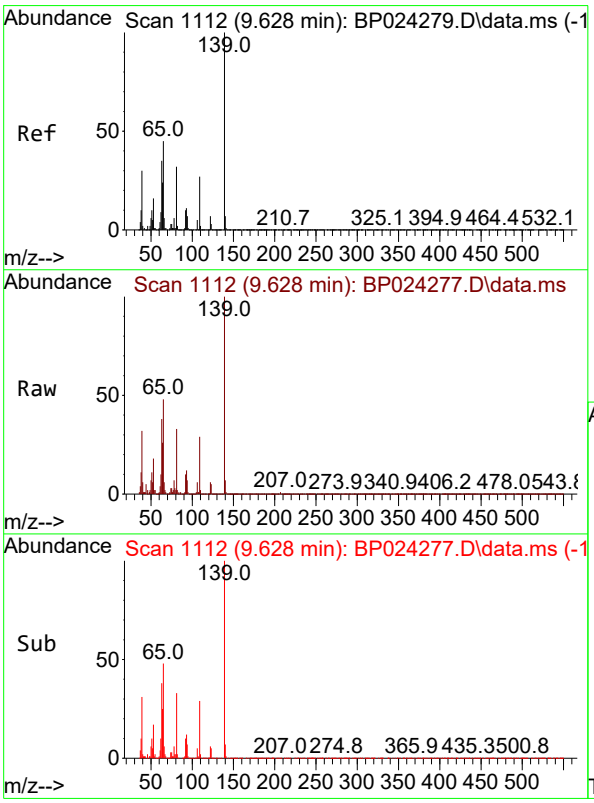
#25
Isophorone
Concen: 9.473 ng
RT: 9.446 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 307272

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.4	8.2
138	18.3	14.4	21.6

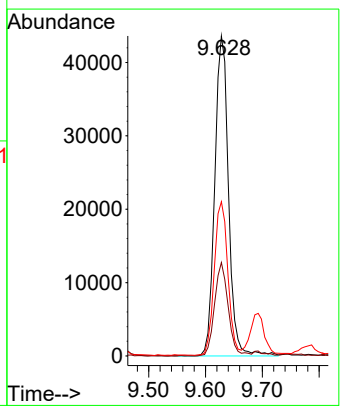


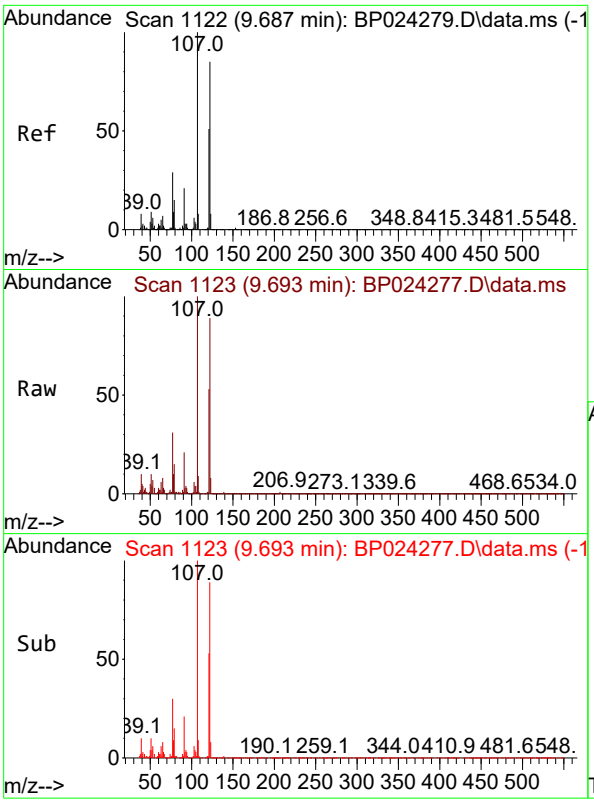


#26
2-Nitrophenol
Concen: 8.575 ng
RT: 9.628 min Scan# 1112
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:139 Resp: 73320

Ion	Ratio	Lower	Upper
139	100		
109	29.2	21.8	32.6
65	48.2	36.2	54.2



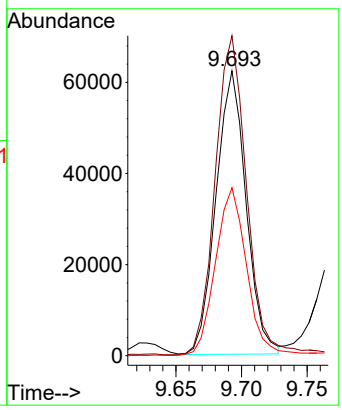


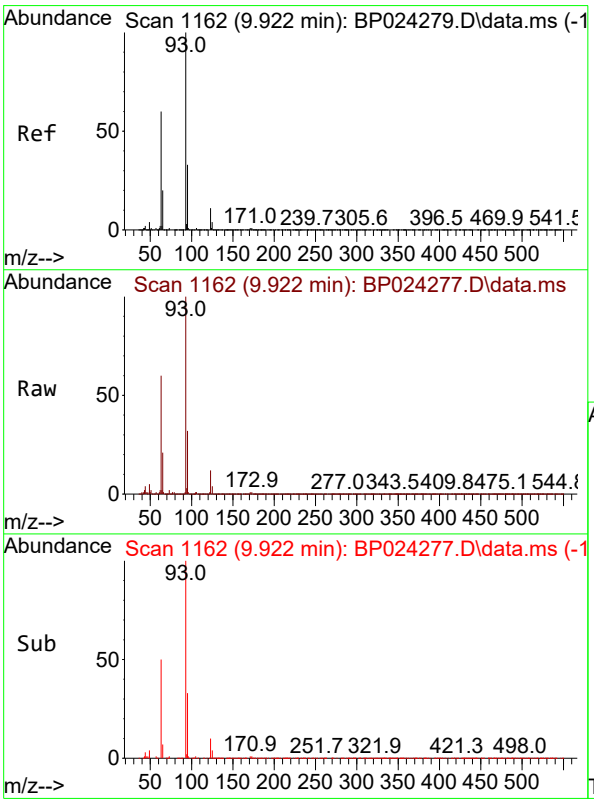
#27
2,4-Dimethylphenol
Concen: 9.152 ng
RT: 9.693 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:122 Resp: 99186

Ion	Ratio	Lower	Upper
122	100		
107	112.4	93.7	140.5
121	59.0	48.2	72.2

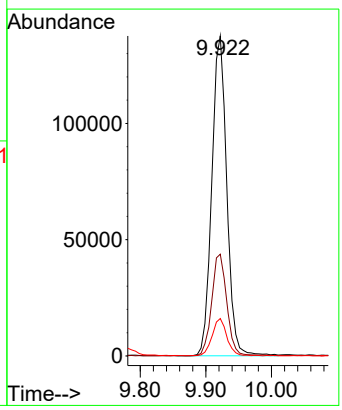


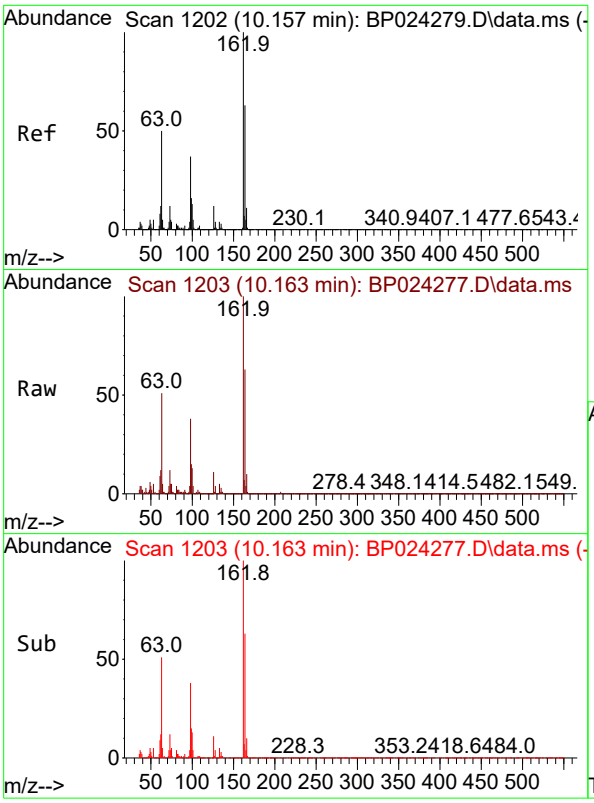


#28
bis(2-Chloroethoxy)methane
Concen: 9.869 ng
RT: 9.922 min Scan# 1162
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion: 93 Resp: 217866

Ion	Ratio	Lower	Upper
93	100		
95	31.8	26.0	39.0
123	11.7	9.1	13.7



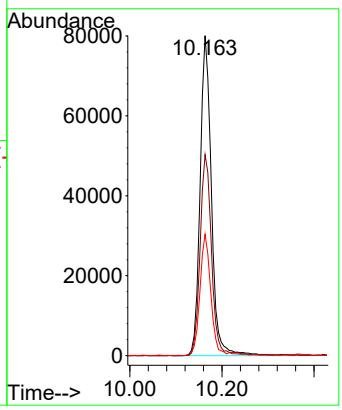


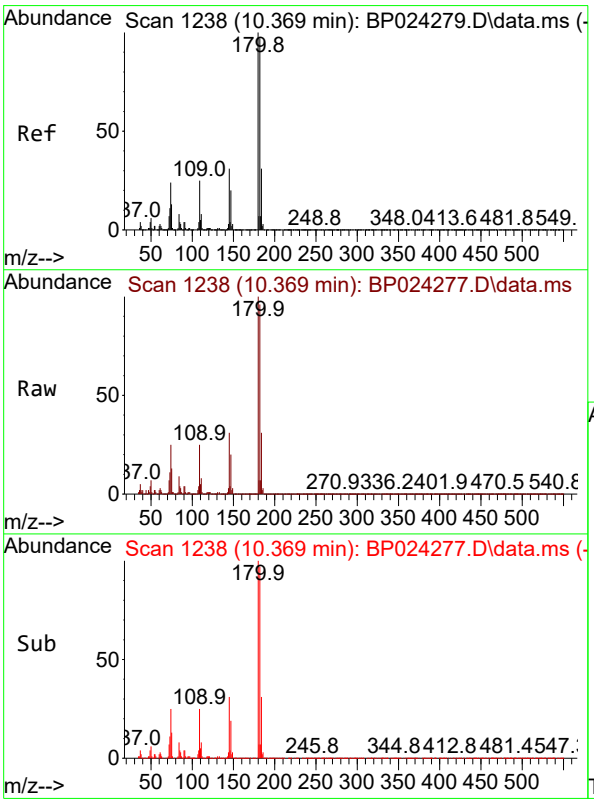
#29
2,4-Dichlorophenol
Concen: 9.263 ng
RT: 10.163 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 136816

Ion	Ratio	Lower	Upper
162	100		
164	62.8	43.3	83.3
98	37.9	16.6	56.6

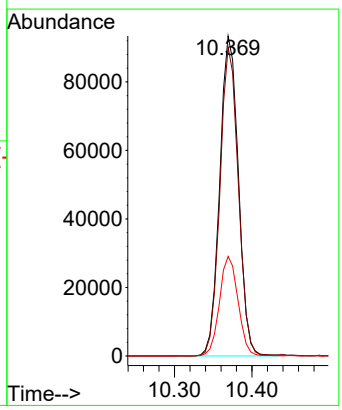


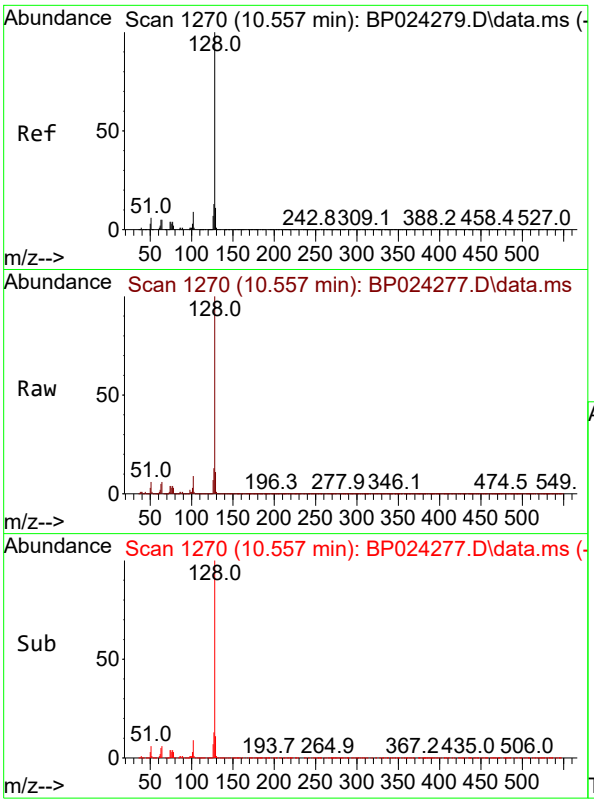


#30
1,2,4-Trichlorobenzene
Concen: 9.760 ng
RT: 10.369 min Scan# 1238
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:180 Resp: 155965

Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.3	115.9
145	31.1	25.1	37.7



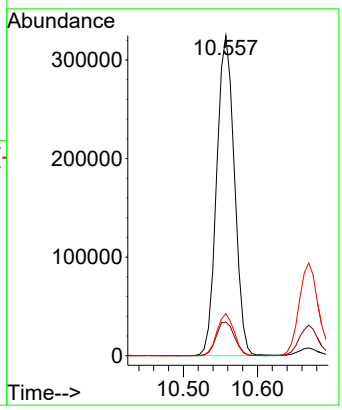


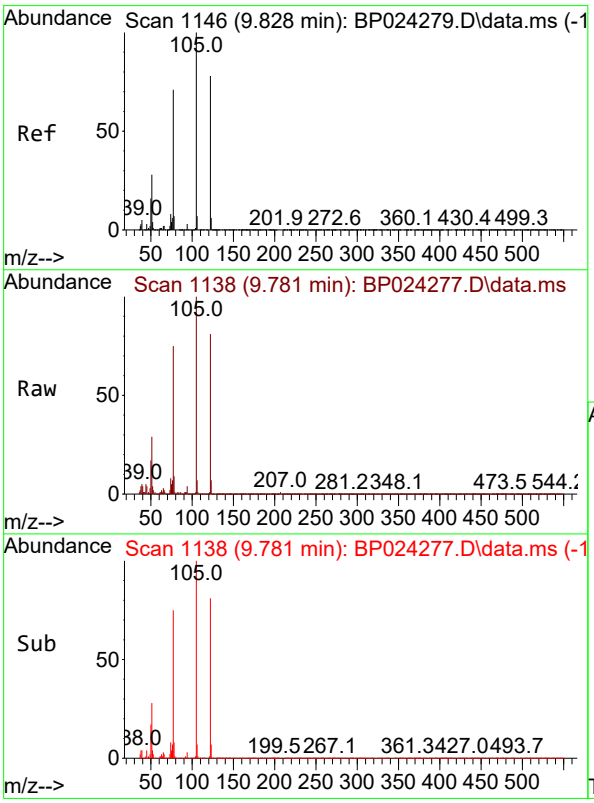
#31
Naphthalene
Concen: 9.953 ng
RT: 10.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 538892

Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.6	13.0
127	13.1	10.3	15.5

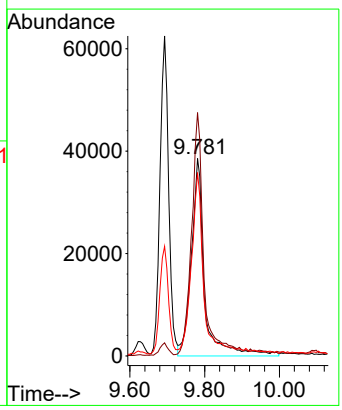


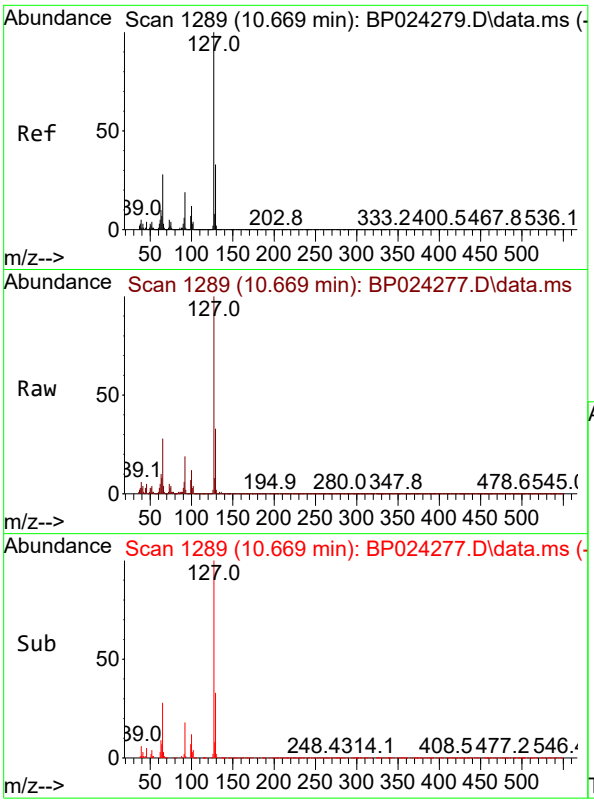


#32
Benzoic acid
Concen: 8.095 ng m
RT: 9.781 min Scan# 1138
Delta R.T. -0.047 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:122 Resp: 94803

Ion	Ratio	Lower	Upper
122	100		
105	123.3	104.8	144.8
77	92.9	69.2	109.2



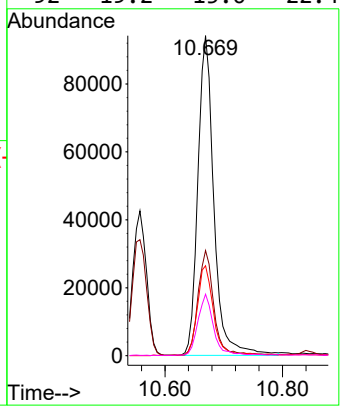


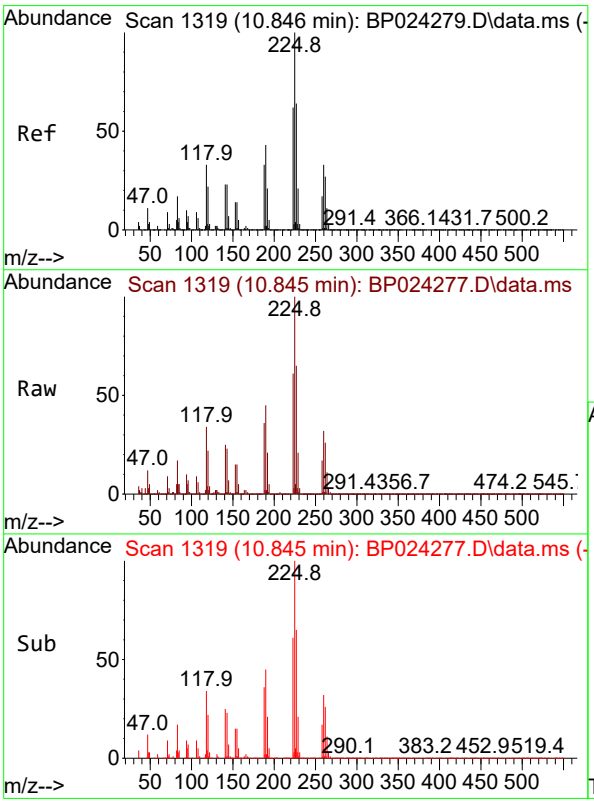
#33
4-Chloroaniline
Concen: 9.433 ng
RT: 10.669 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:127 Resp: 178451

Ion	Ratio	Lower	Upper
127	100		
129	32.9	26.1	39.1
65	28.1	22.1	33.1
92	19.2	15.0	22.4

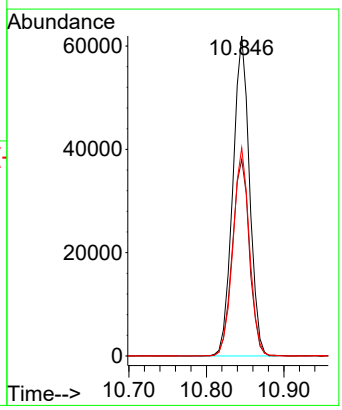


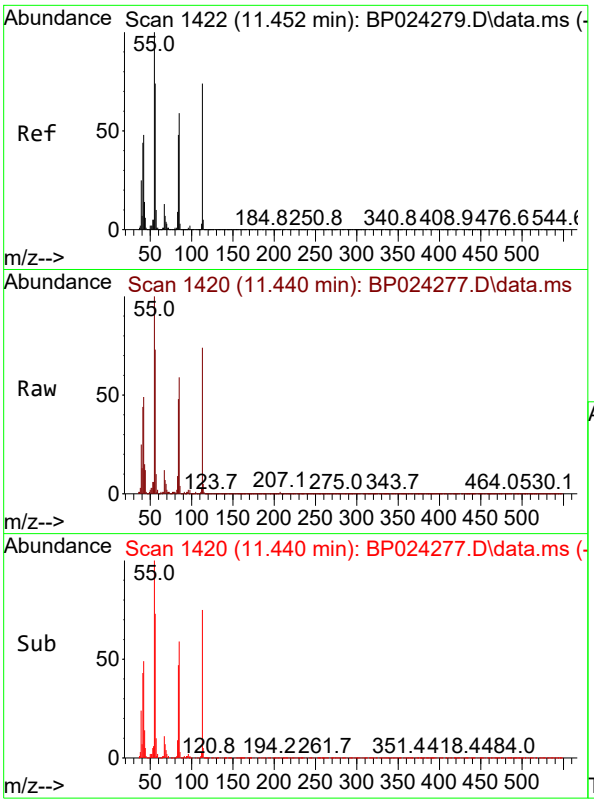


#34
Hexachlorobutadiene
Concen: 9.885 ng
RT: 10.845 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:225 Resp: 92662

Ion	Ratio	Lower	Upper
225	100		
223	61.4	49.5	74.3
227	65.0	50.9	76.3



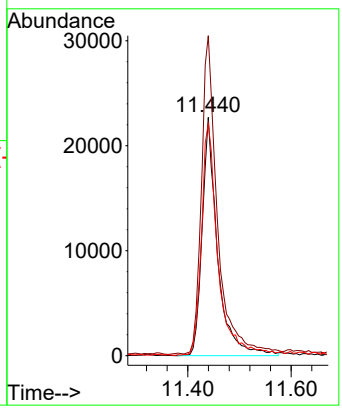


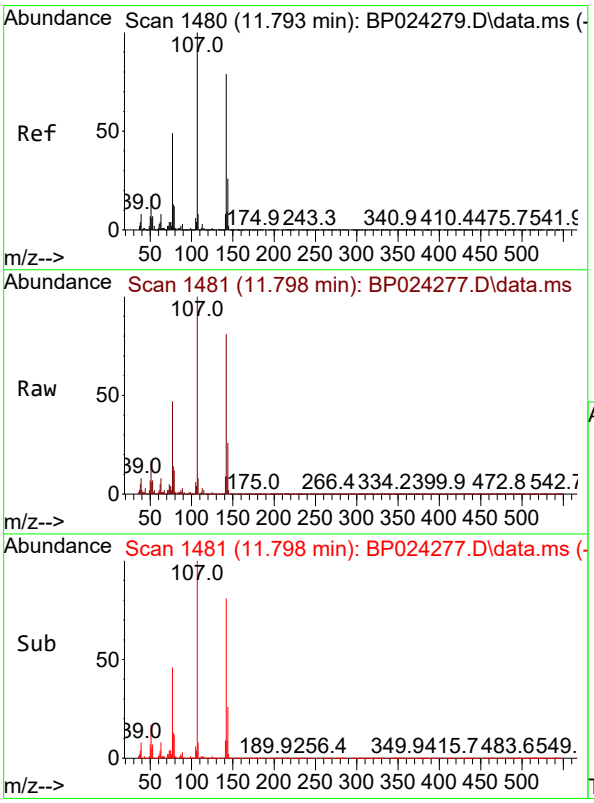
#35
Caprolactam
Concen: 8.670 ng
RT: 11.440 min Scan# 14
Delta R.T. -0.012 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:113 Resp: 47014

Ion	Ratio	Lower	Upper
113	100		
55	134.3	115.9	155.9
56	97.4	81.1	121.1

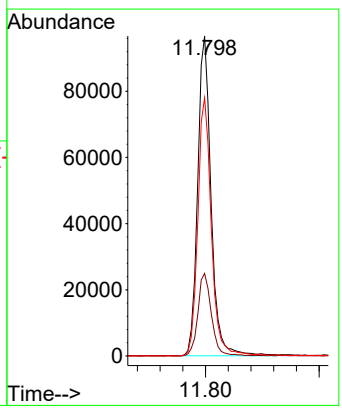


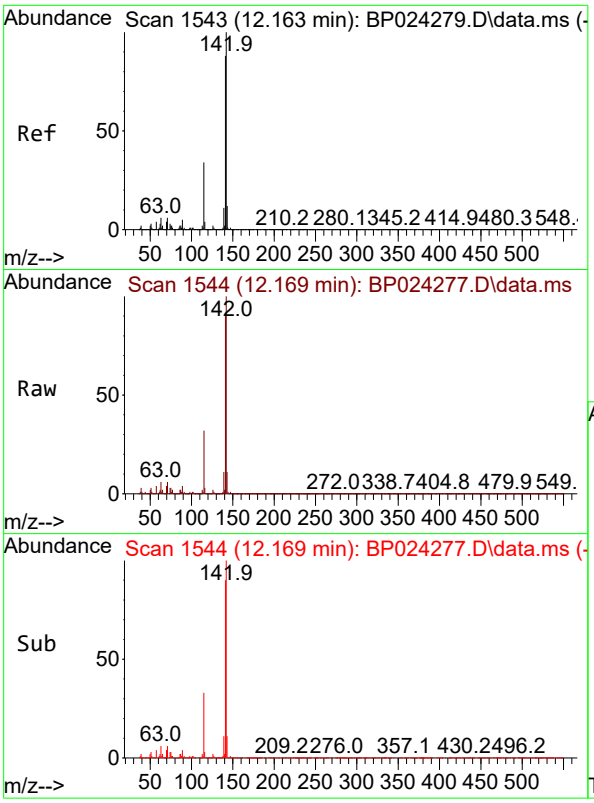


#36
4-Chloro-3-methylphenol
Concen: 9.213 ng
RT: 11.798 min Scan# 1481
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:107 Resp: 158563

Ion	Ratio	Lower	Upper
107	100		
144	25.8	20.5	30.7
142	80.6	63.4	95.2



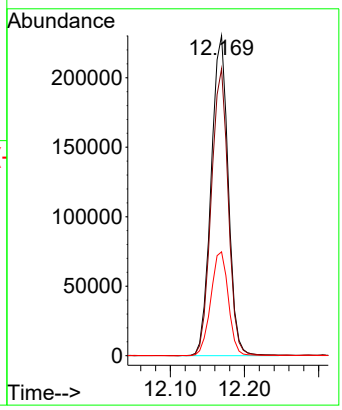


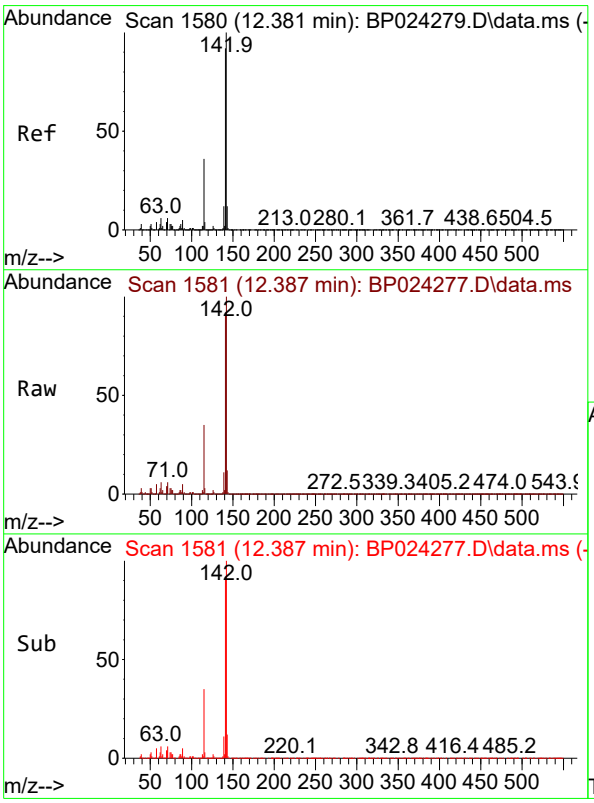
#37
2-Methylnaphthalene
Concen: 9.810 ng
RT: 12.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 368122

Ion	Ratio	Lower	Upper
142	100		
141	89.7	70.3	105.5
115	32.5	26.9	40.3

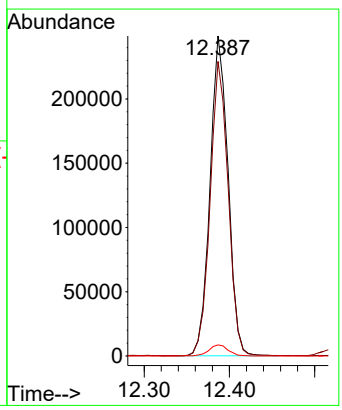


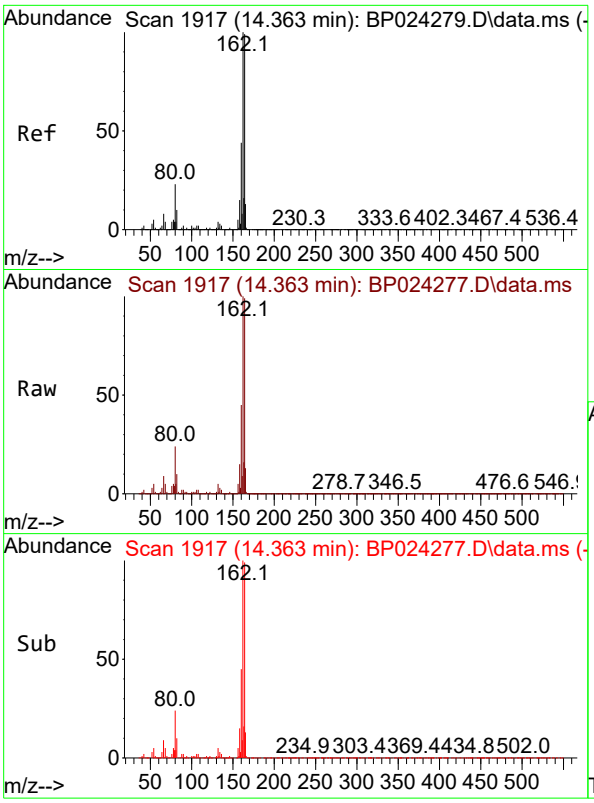


#38
1-Methylnaphthalene
Concen: 9.933 ng
RT: 12.387 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:142 Resp: 365139

Ion	Ratio	Lower	Upper
142	100		
141	92.1	73.6	110.4
116	3.5	3.0	4.6



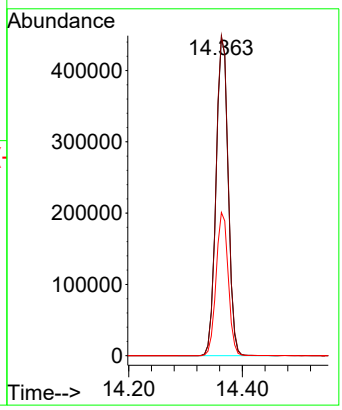


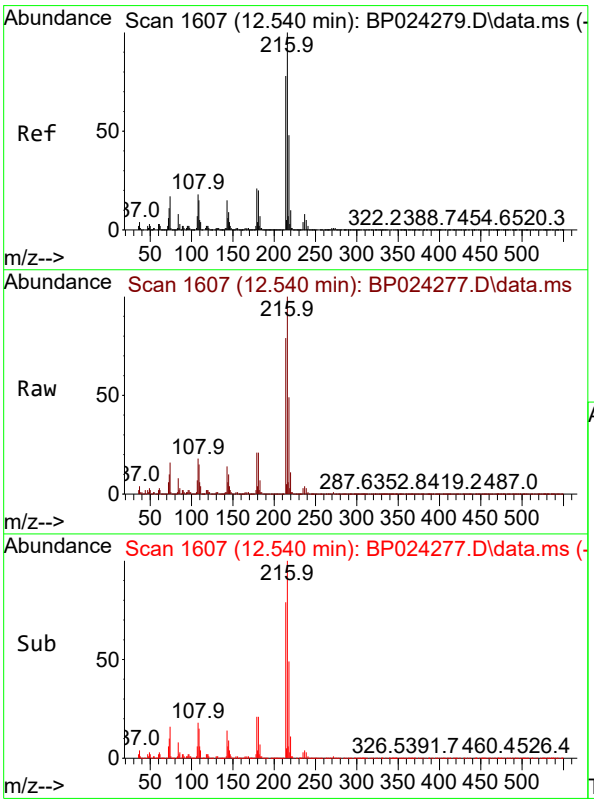
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.363 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:164 Resp: 658652

Ion	Ratio	Lower	Upper
164	100		
162	100.6	80.6	120.8
160	45.0	35.3	52.9

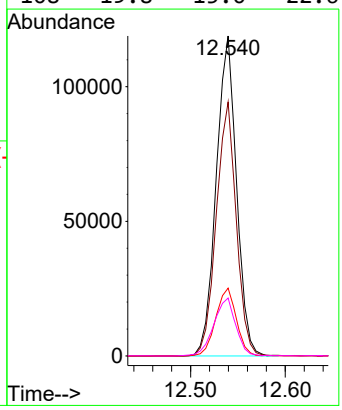


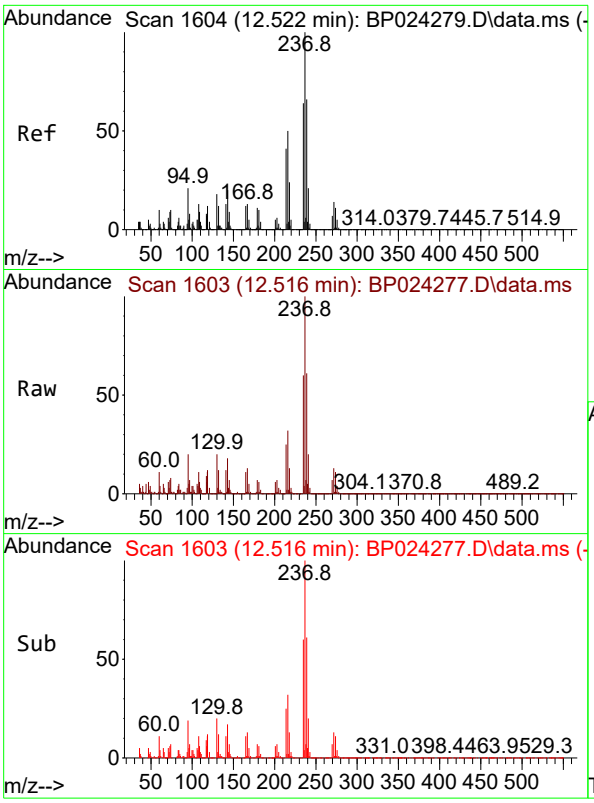


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.789 ng
RT: 12.540 min Scan# 1607
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:216 Resp: 177188

Ion	Ratio	Lower	Upper
216	100		
214	78.3	62.6	93.8
179	21.5	17.2	25.8
108	19.8	15.0	22.6



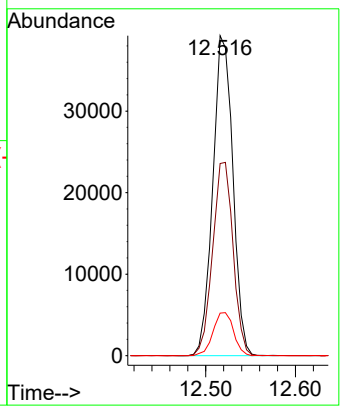


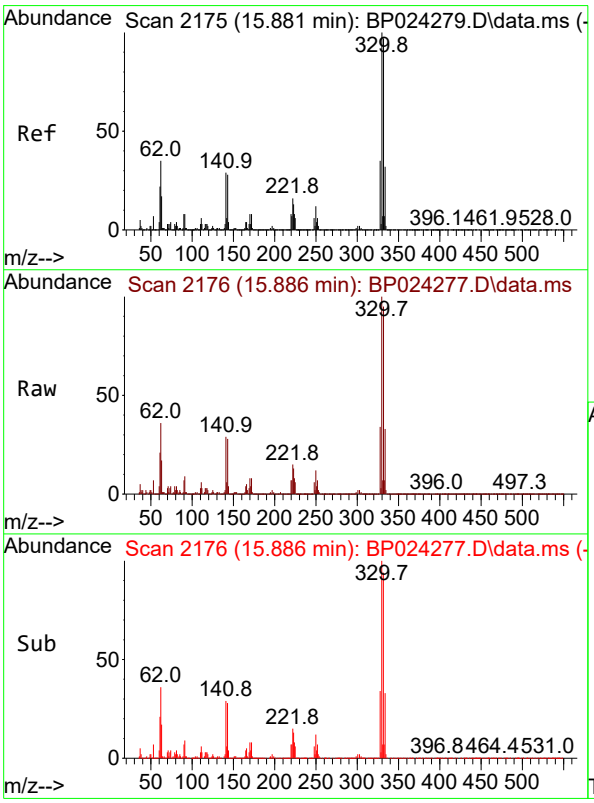
#41
Hexachlorocyclopentadiene
Concen: 9.586 ng
RT: 12.516 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 60914

Ion	Ratio	Lower	Upper
237	100		
235	60.0	43.9	83.9
272	13.3	0.0	33.6

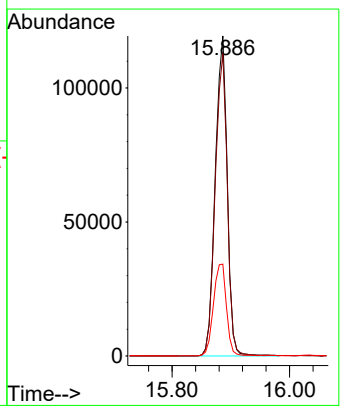


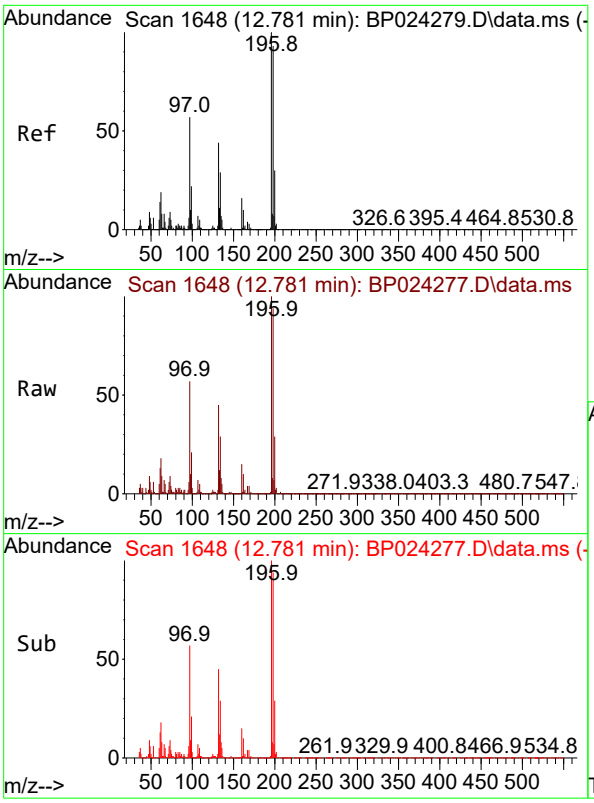


#42
2,4,6-Tribromophenol
Concen: 18.715 ng
RT: 15.886 min Scan# 2176
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:330 Resp: 168790

Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.1	115.7
141	31.2	24.7	37.1



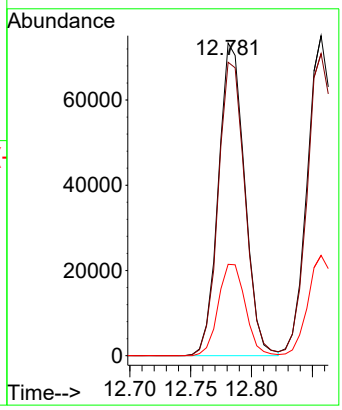


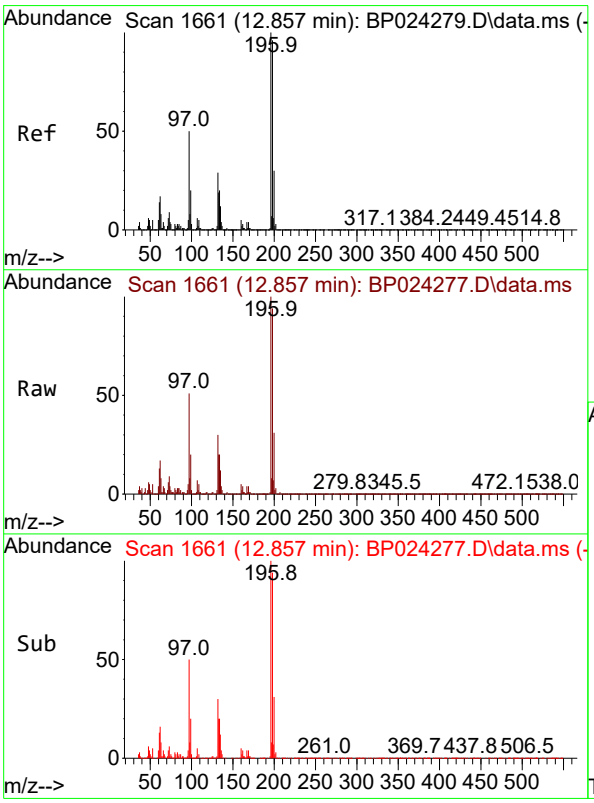
#43
2,4,6-Trichlorophenol
Concen: 9.253 ng
RT: 12.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:196 Resp: 110203

Ion	Ratio	Lower	Upper
196	100		
198	93.9	74.3	111.5
200	29.3	24.0	36.0

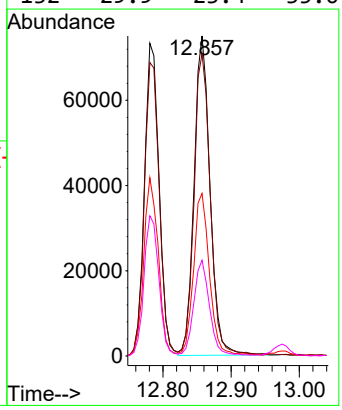


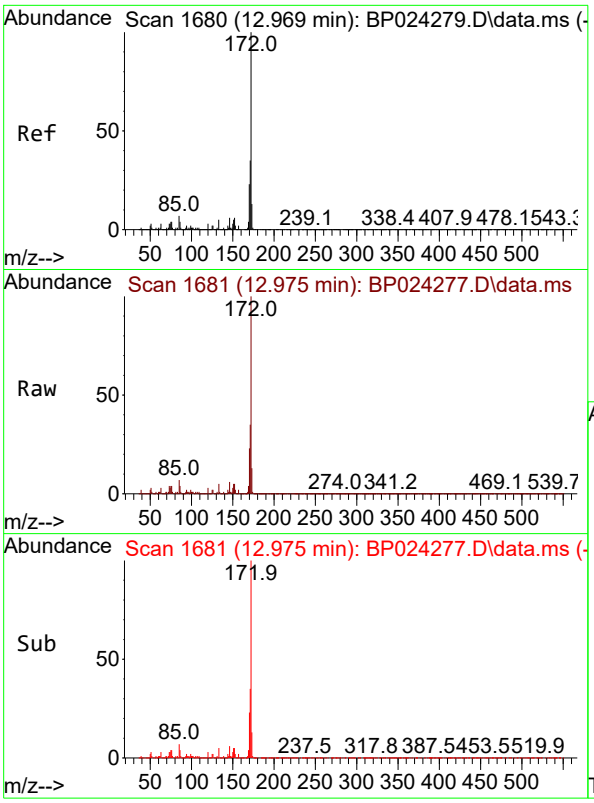


#44
2,4,5-Trichlorophenol
Concen: 9.251 ng
RT: 12.857 min Scan# 1661
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:196 Resp: 122104

Ion	Ratio	Lower	Upper
196	100		
198	94.4	77.3	115.9
97	50.8	40.4	60.6
132	29.9	23.4	35.0



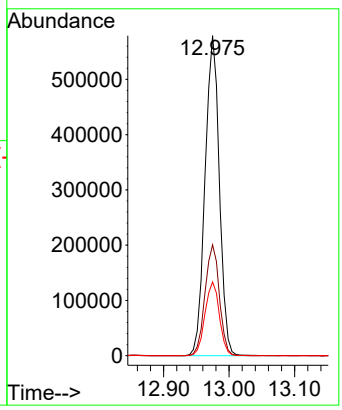


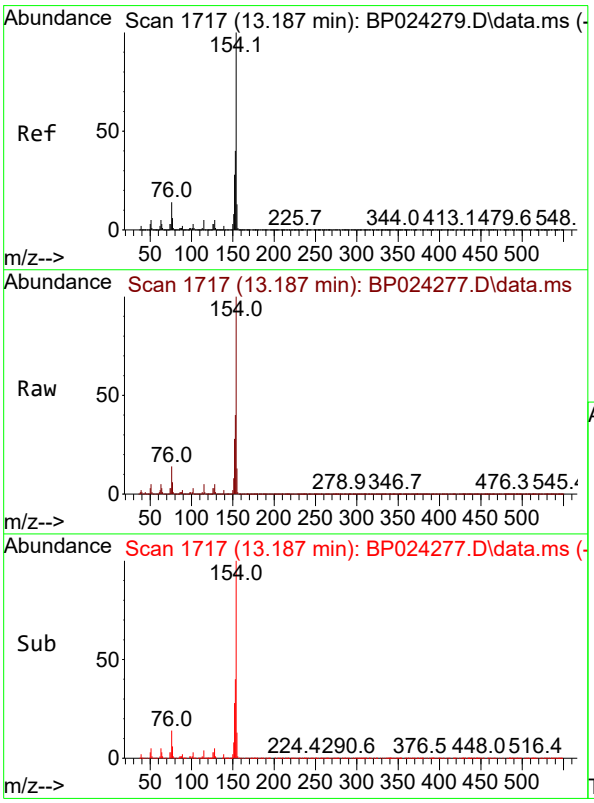
#45
2-Fluorobiphenyl
Concen: 20.247 ng
RT: 12.975 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:172 Resp: 878366

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.2	42.2
170	23.0	18.6	27.8

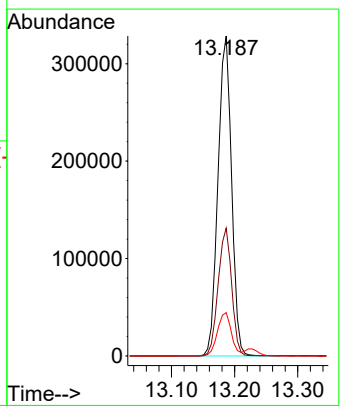


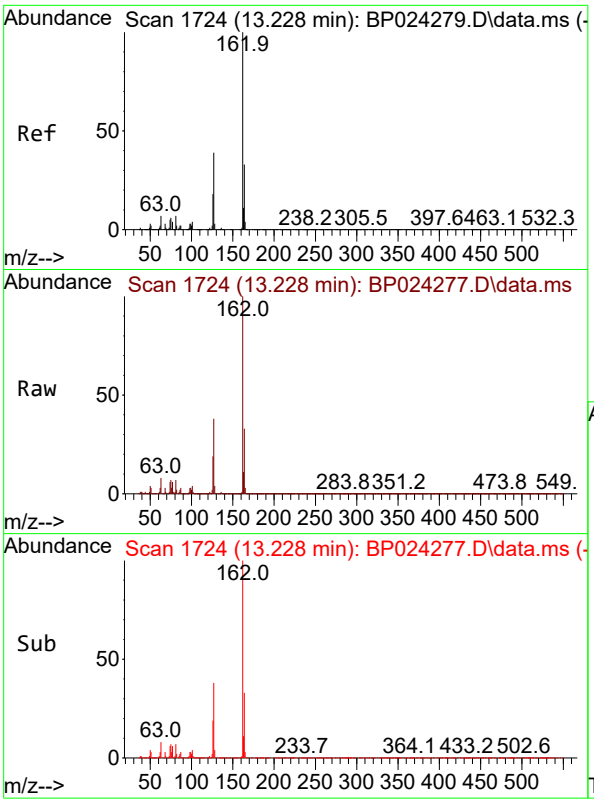


#46
1,1'-Biphenyl
Concen: 10.080 ng
RT: 13.187 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:154 Resp: 490325

Ion	Ratio	Lower	Upper
154	100		
153	40.0	20.3	60.3
76	13.6	0.0	33.5



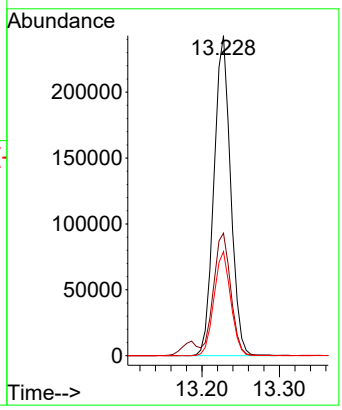


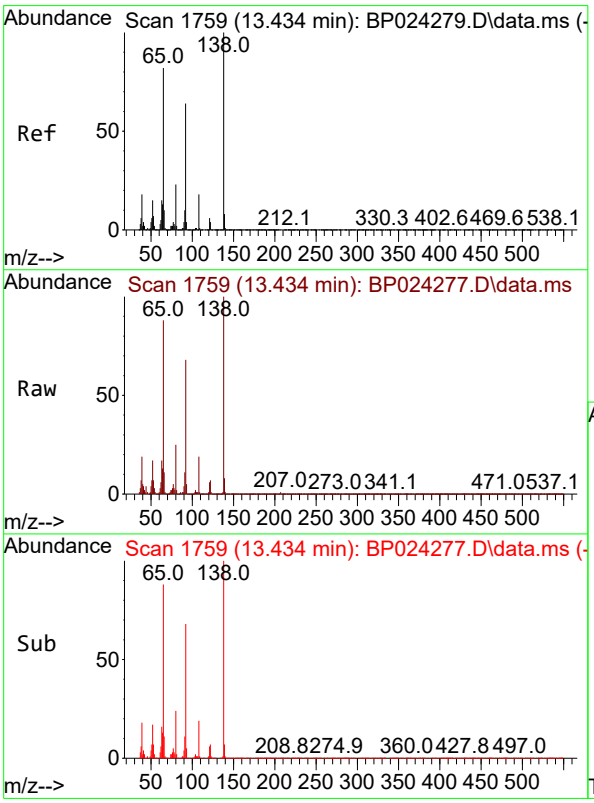
#47
2-Chloronaphthalene
Concen: 9.985 ng
RT: 13.228 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 362419

Ion	Ratio	Lower	Upper
162	100		
127	38.3	31.9	47.9
164	32.5	26.2	39.4

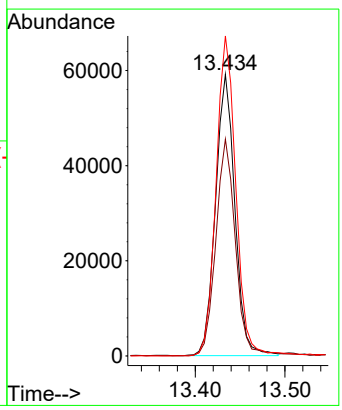


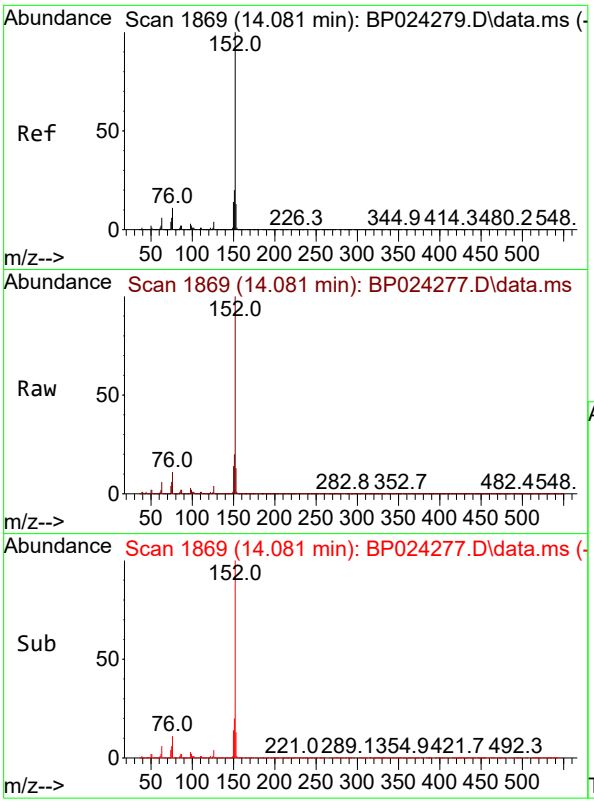


#48
2-Nitroaniline
Concen: 8.866 ng
RT: 13.434 min Scan# 1759
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion: 65 Resp: 88889

Ion	Ratio	Lower	Upper
65	100		
92	77.0	62.3	93.5
138	113.7	97.2	145.8



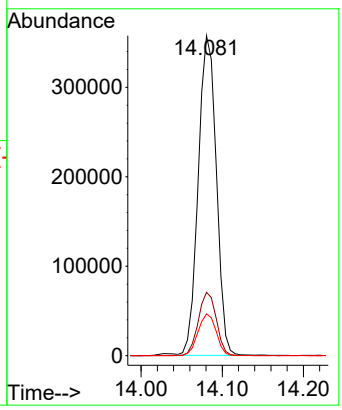


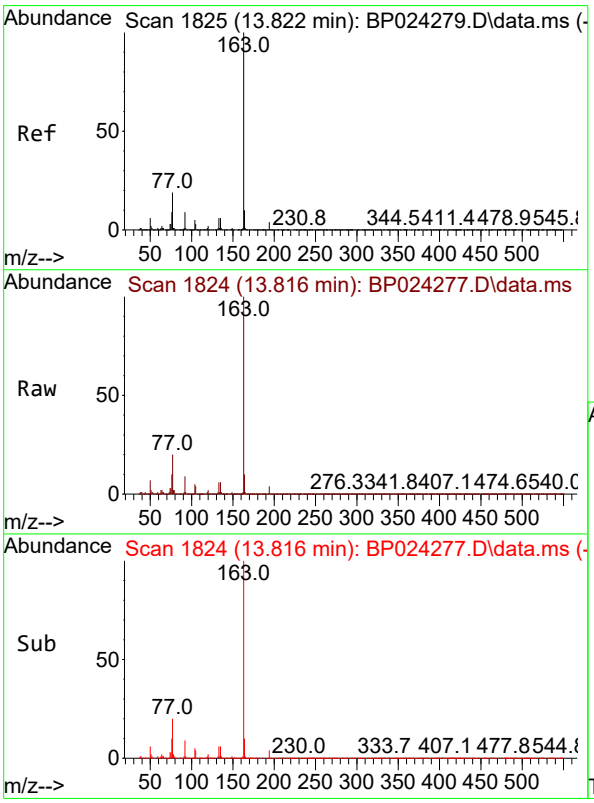
#49
Acenaphthylene
Concen: 9.711 ng
RT: 14.081 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 553215

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.9	23.9
153	13.1	10.6	15.8

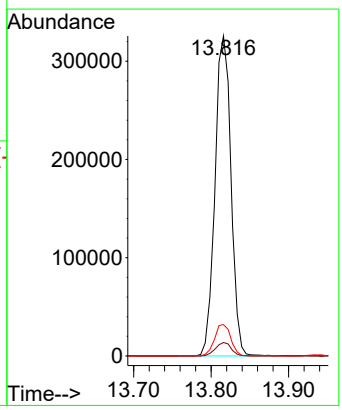


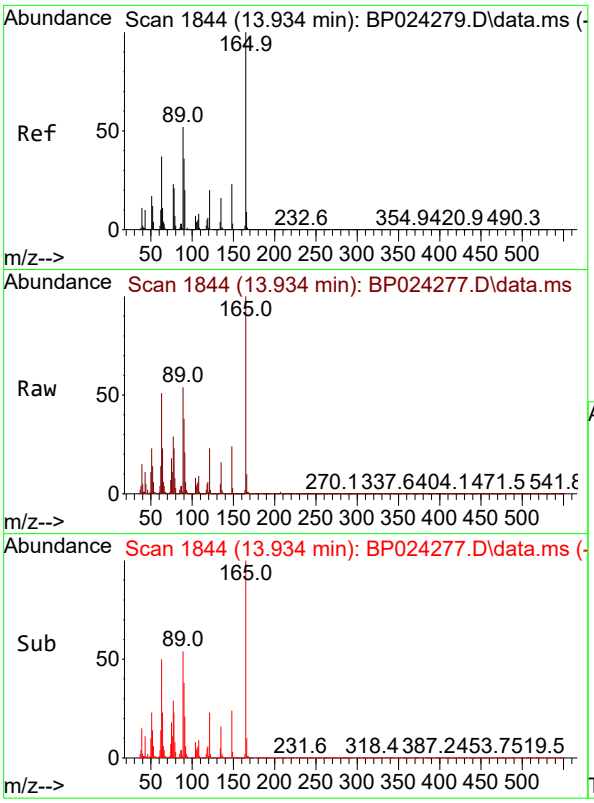


#50
Dimethylphthalate
Concen: 9.704 ng
RT: 13.816 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:163 Resp: 466314

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.5	5.3
164	9.8	8.0	12.0



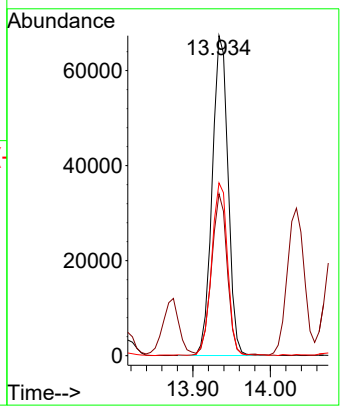


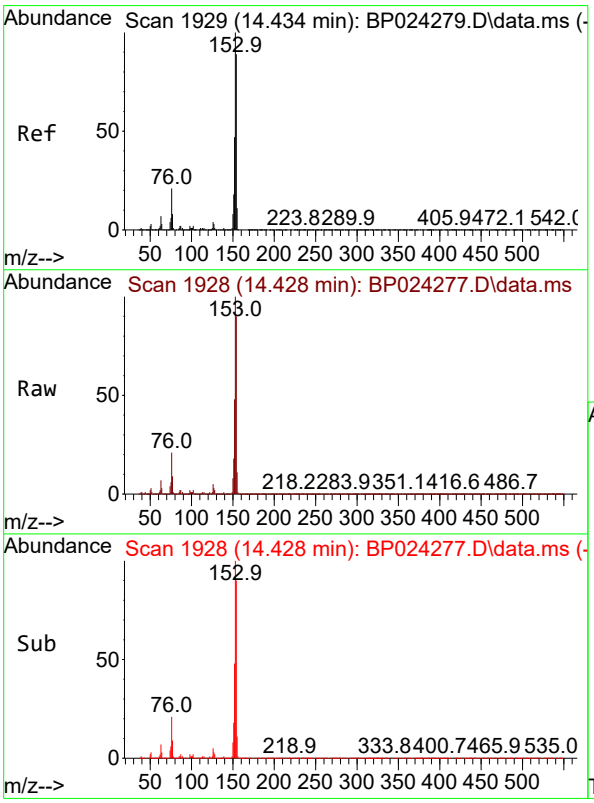
#51
2,6-Dinitrotoluene
Concen: 9.442 ng
RT: 13.934 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 95596

Ion	Ratio	Lower	Upper
165	100		
63	50.6	38.0	57.0
89	54.0	41.7	62.5

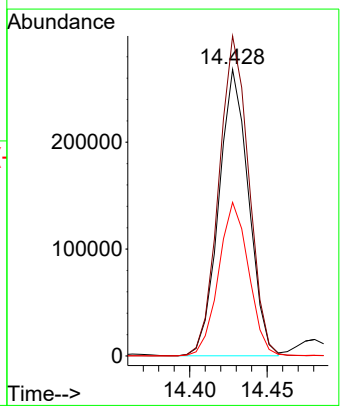


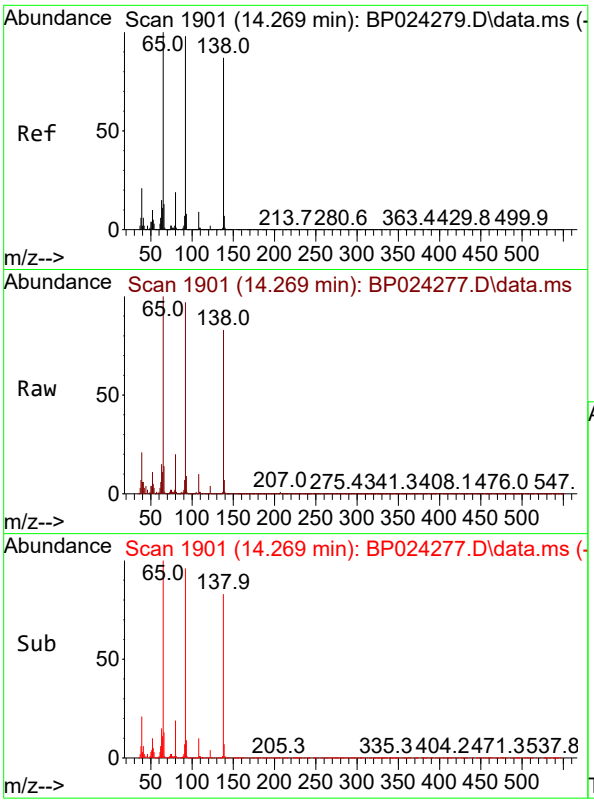


#52
Acenaphthene
Concen: 9.877 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:154 Resp: 357828

Ion	Ratio	Lower	Upper
154	100		
153	111.6	89.8	134.6
152	53.6	42.6	63.8



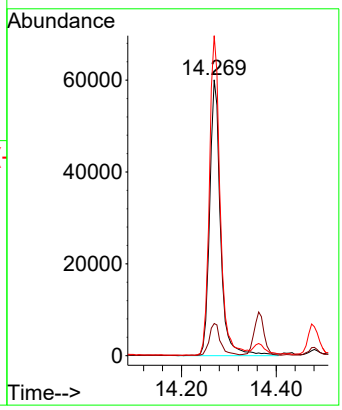


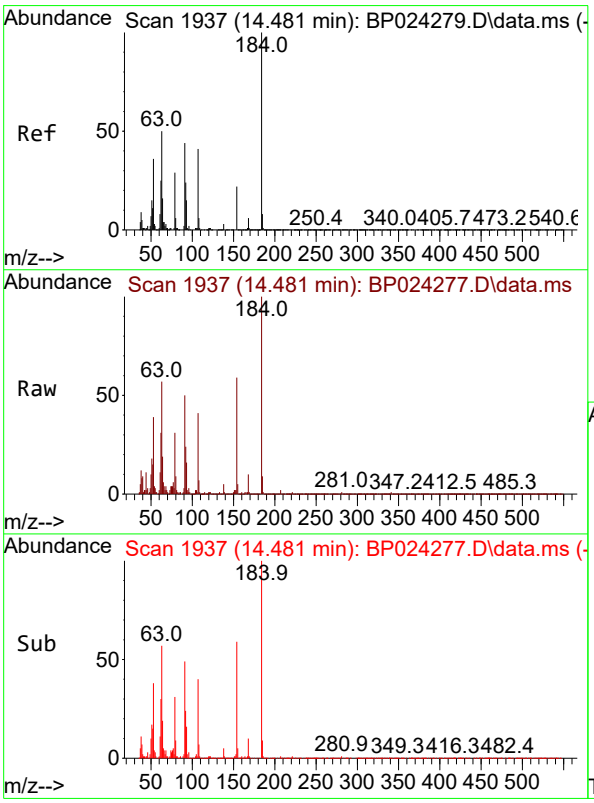
#53
3-Nitroaniline
Concen: 9.067 ng
RT: 14.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:138 Resp: 95237

Ion	Ratio	Lower	Upper
138	100		
108	11.7	8.3	12.5
92	116.0	89.8	134.8

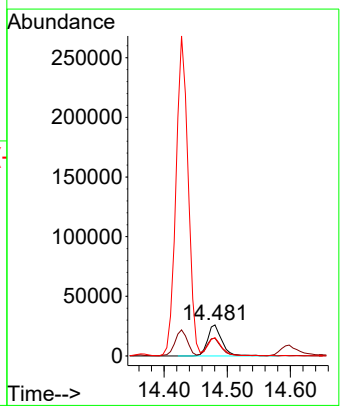


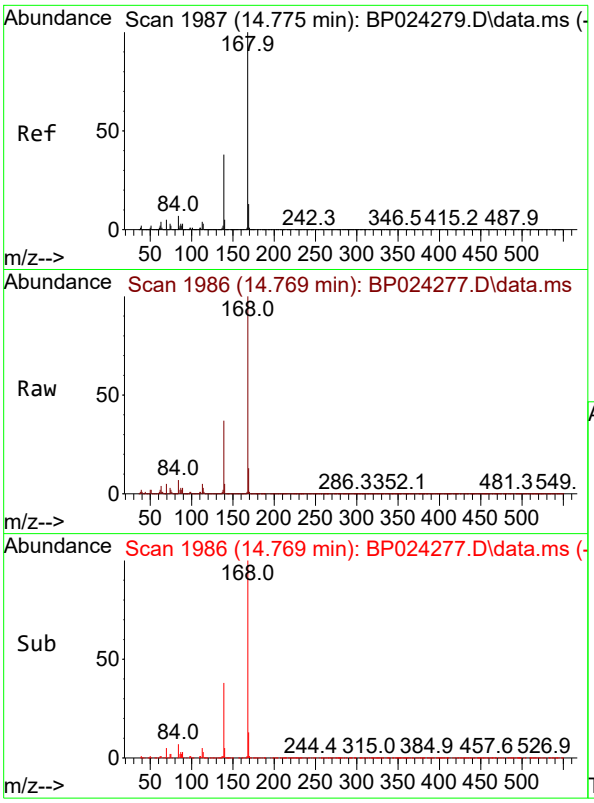


#54
2,4-Dinitrophenol
Concen: 7.588 ng
RT: 14.481 min Scan# 1937
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:184 Resp: 41132

Ion	Ratio	Lower	Upper
184	100		
63	57.2	42.6	64.0
154	58.9	47.2	70.8



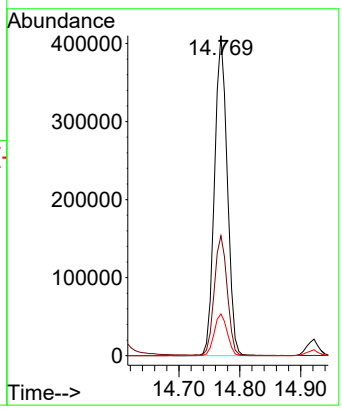


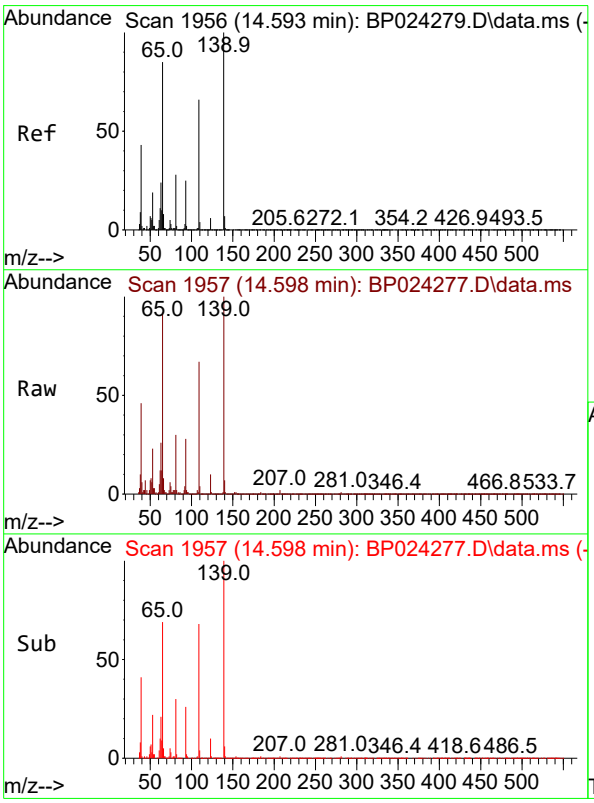
#55
Dibenzofuran
Concen: 10.013 ng
RT: 14.769 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:168 Resp: 594953

Ion	Ratio	Lower	Upper
168	100		
139	37.5	30.3	45.5
169	13.1	10.6	16.0

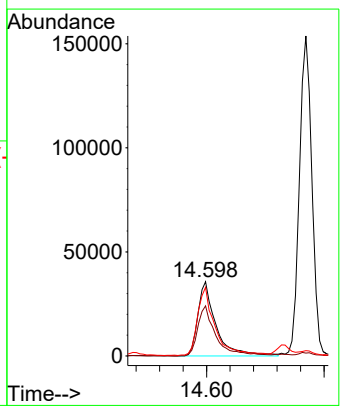


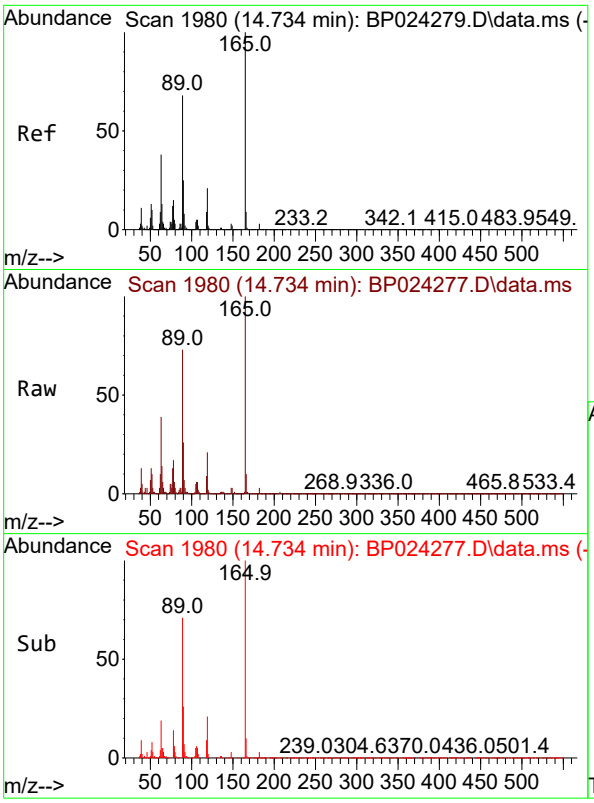


#56
4-Nitrophenol
Concen: 8.416 ng
RT: 14.598 min Scan# 1957
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:139 Resp: 75995

Ion	Ratio	Lower	Upper
139	100		
109	67.3	46.1	86.1
65	92.4	65.0	105.0



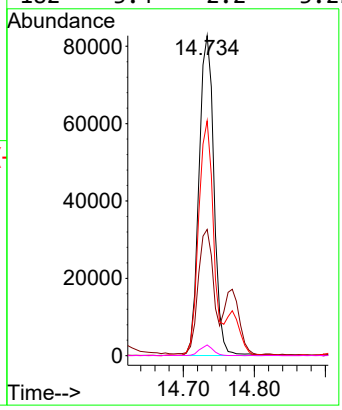


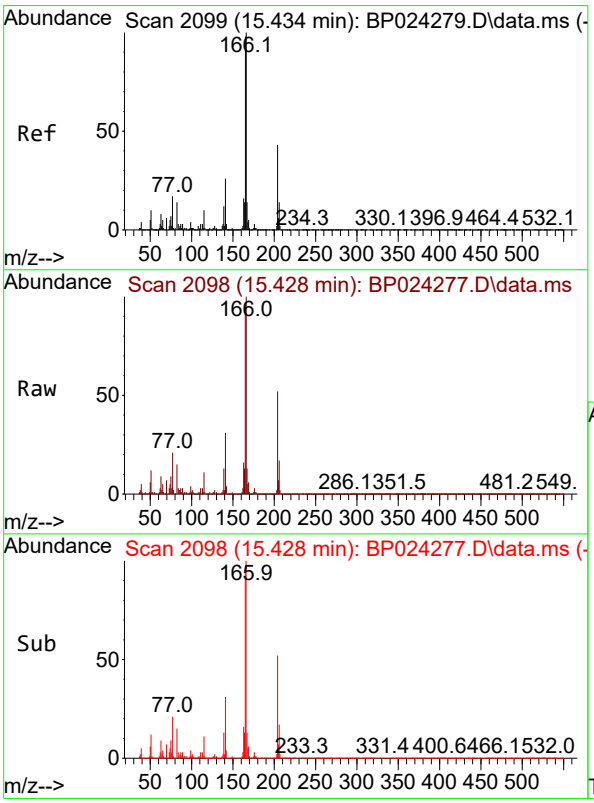
#57
2,4-Dinitrotoluene
Concen: 8.862 ng
RT: 14.734 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 121276

Ion	Ratio	Lower	Upper
165	100		
63	39.5	30.4	45.6
89	73.4	54.6	82.0
182	3.4	2.2	3.2#

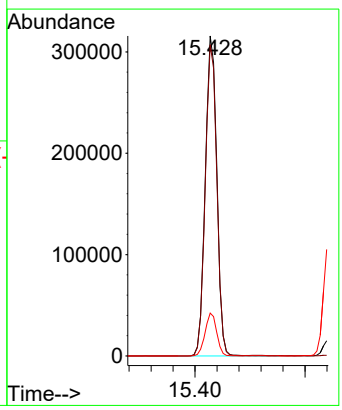


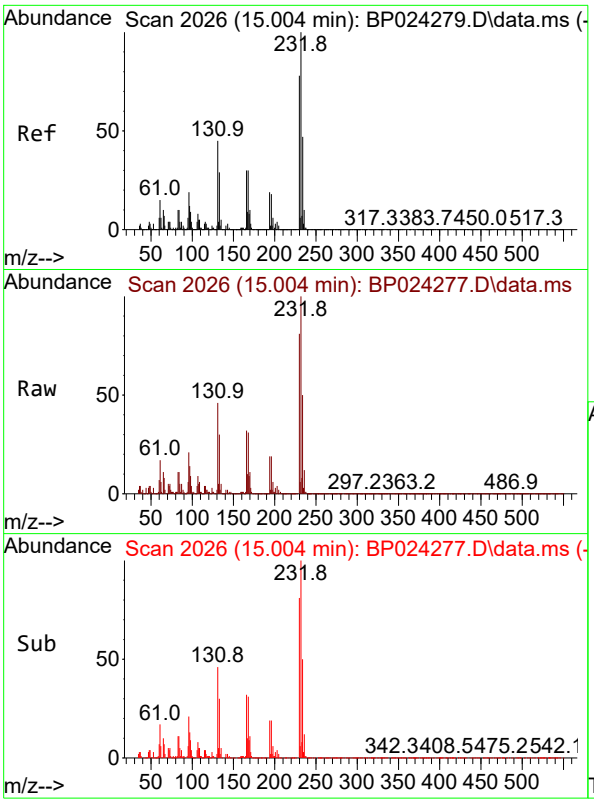


#58
Fluorene
Concen: 10.026 ng
RT: 15.428 min Scan# 2098
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:166 Resp: 459952

Ion	Ratio	Lower	Upper
166	100		
165	97.2	78.1	117.1
167	13.4	10.9	16.3



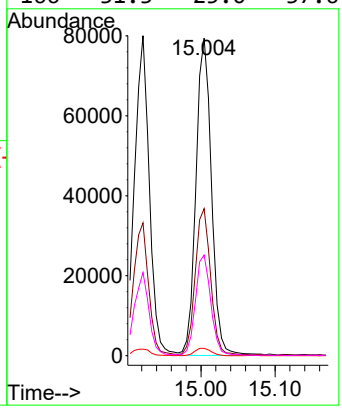


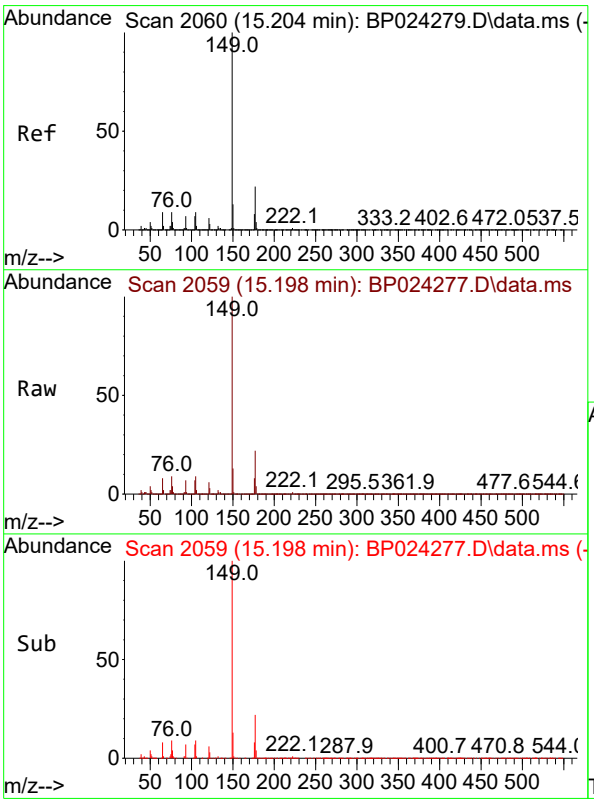
#59
2,3,4,6-Tetrachlorophenol
Concen: 9.470 ng
RT: 15.004 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:232 Resp: 115645

Ion	Ratio	Lower	Upper
232	100		
131	45.6	36.8	55.2
130	2.5	1.9	2.9
166	31.3	25.0	37.6

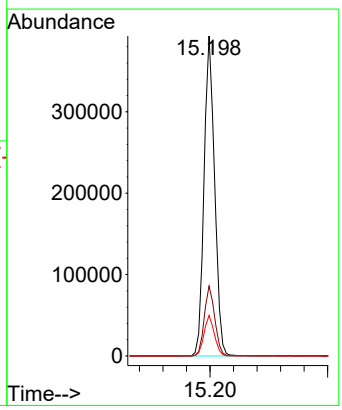


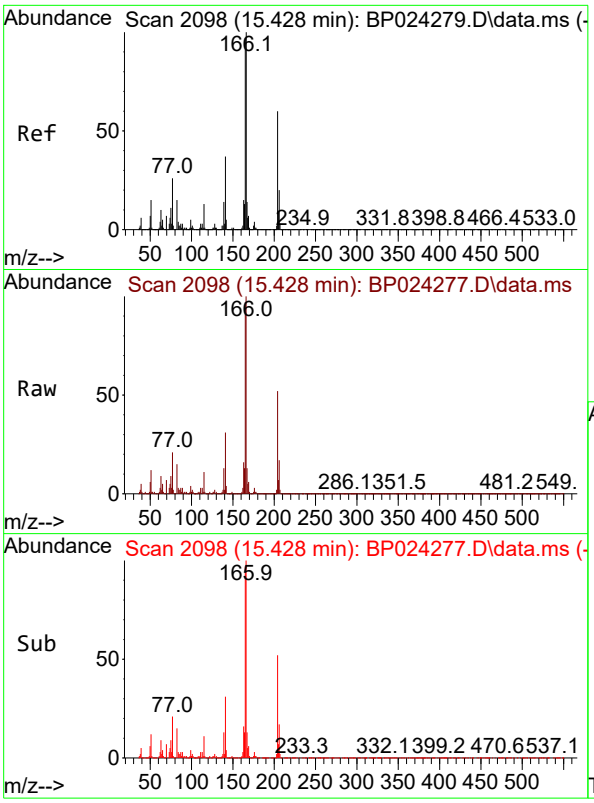


#60
Diethylphthalate
Concen: 9.884 ng
RT: 15.198 min Scan# 2059
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:149 Resp: 488847

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.4	26.2
150	12.6	10.1	15.1



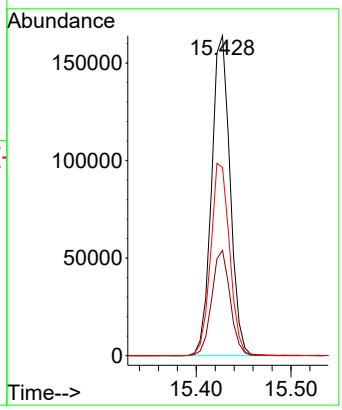


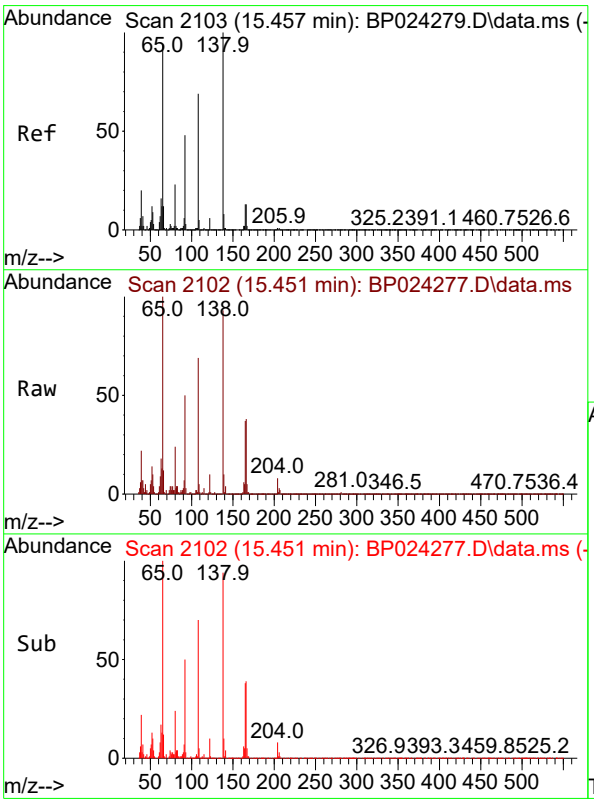
#61
4-Chlorophenyl-phenylether
Concen: 9.985 ng
RT: 15.428 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 222437

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.5	39.7
141	58.8	49.4	74.0

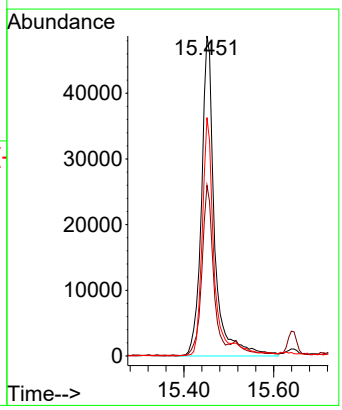


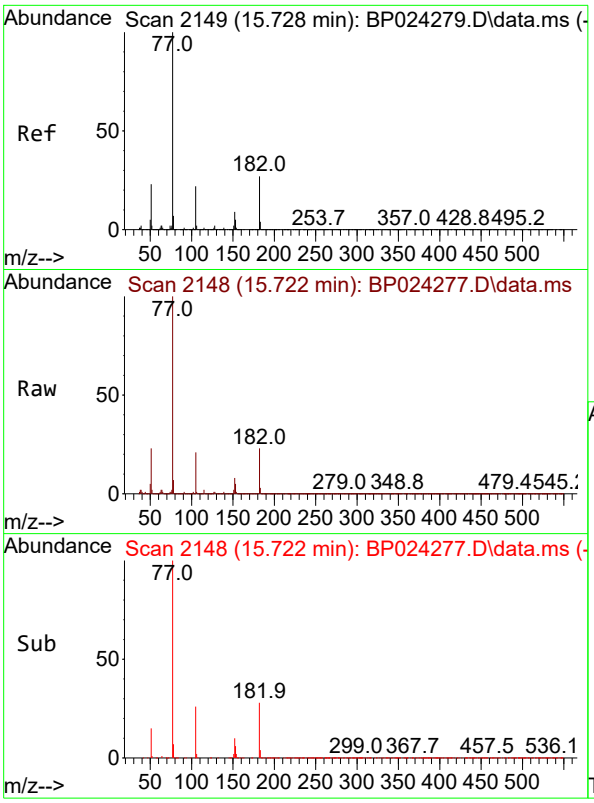


#62
4-Nitroaniline
Concen: 8.857 ng
RT: 15.451 min Scan# 2102
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:138 Resp: 98638

Ion	Ratio	Lower	Upper
138	100		
92	53.3	27.8	67.8
108	74.5	48.9	88.9



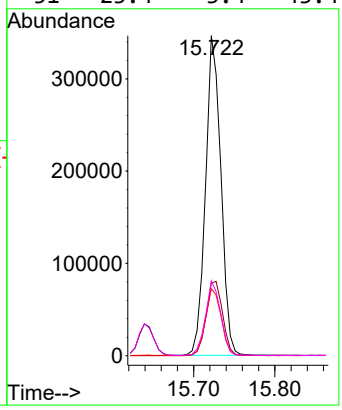


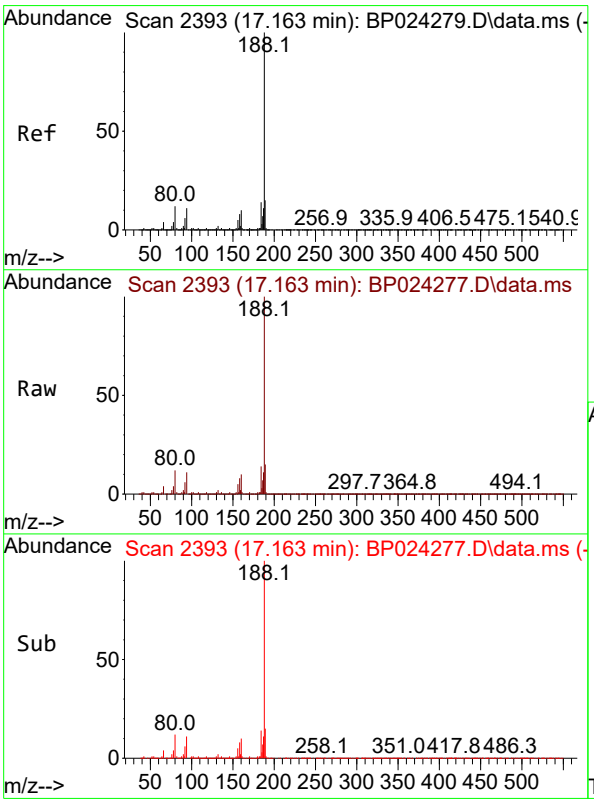
#63
Azobenzene
Concen: 9.999 ng
RT: 15.722 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 455459

Ion	Ratio	Lower	Upper
77	100		
182	22.7	7.3	47.3
105	20.9	2.3	42.3
51	23.4	3.4	43.4

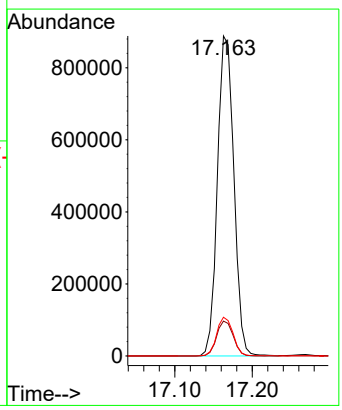


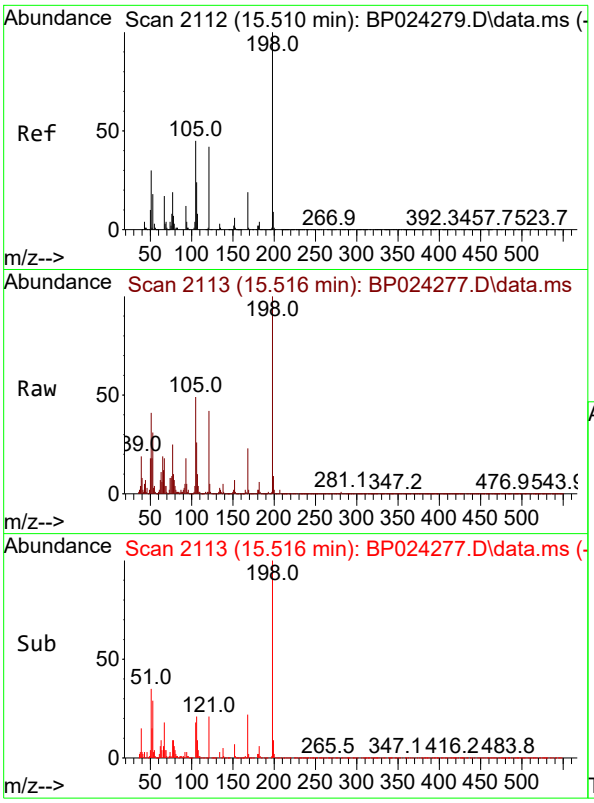


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2393
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:188 Resp: 1310701

Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.6	13.0
80	12.1	9.8	14.6



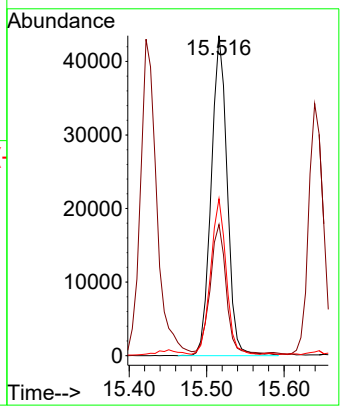


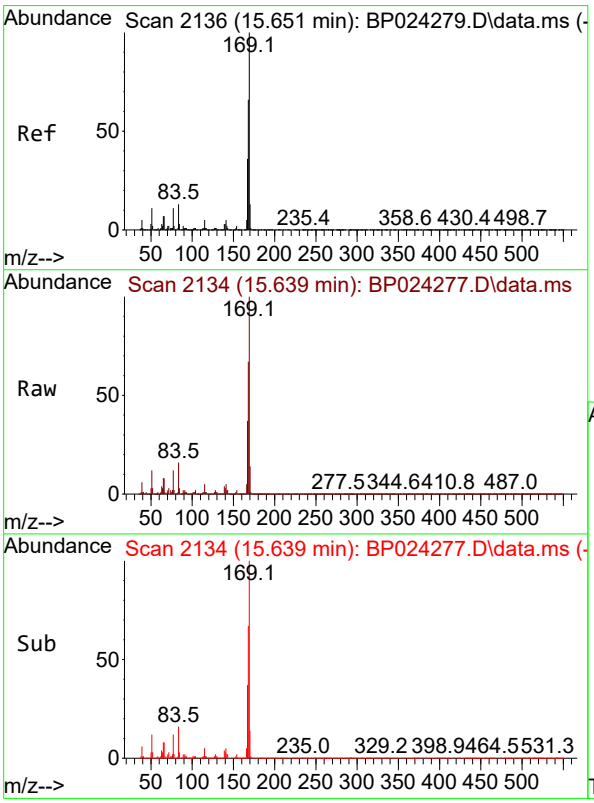
#65
4,6-Dinitro-2-methylphenol
Concen: 8.151 ng
RT: 15.516 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 62421

Ion	Ratio	Lower	Upper
198	100		
51	41.0	18.4	58.4
105	49.0	26.5	66.5

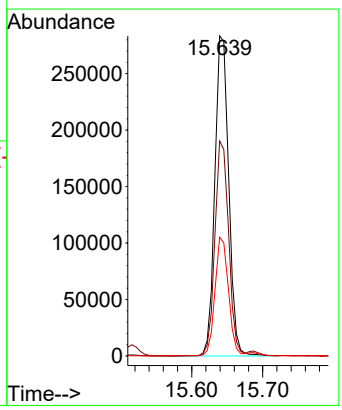


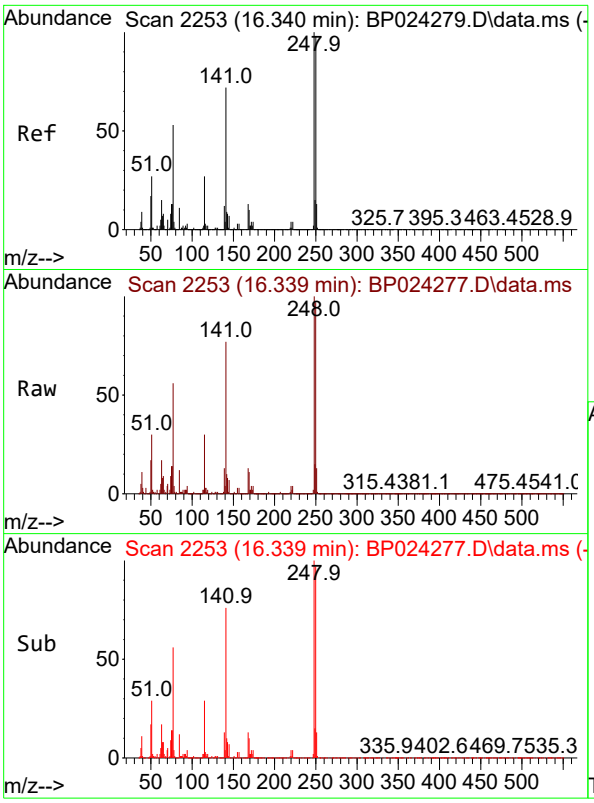


#66
n-Nitrosodiphenylamine
Concen: 9.759 ng
RT: 15.639 min Scan# 2134
Delta R.T. -0.012 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:169 Resp: 383558

Ion	Ratio	Lower	Upper
169	100		
168	67.2	53.0	79.4
167	37.1	28.9	43.3



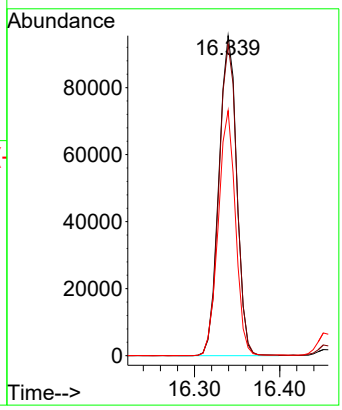


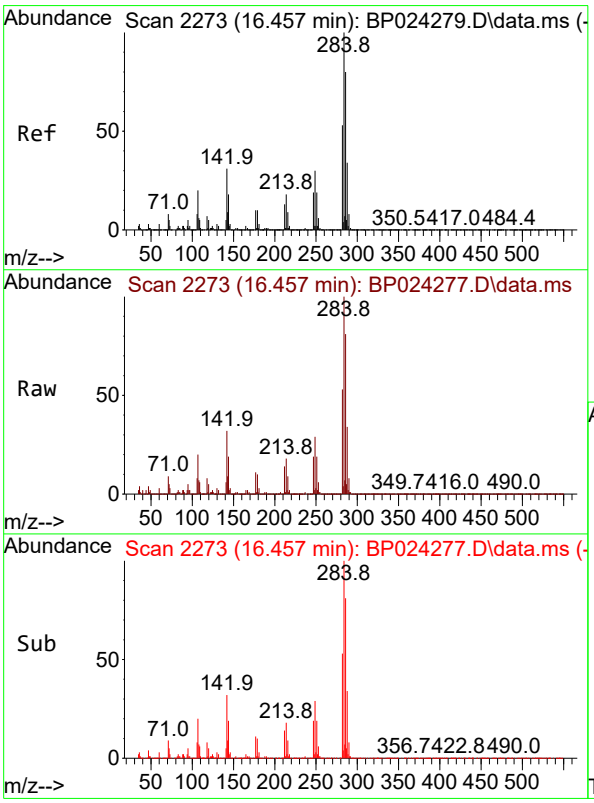
#67
4-Bromophenyl-phenylether
Concen: 9.703 ng
RT: 16.339 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:248 Resp: 138724

Ion	Ratio	Lower	Upper
248	100		
250	97.2	78.2	117.4
141	76.6	57.7	86.5

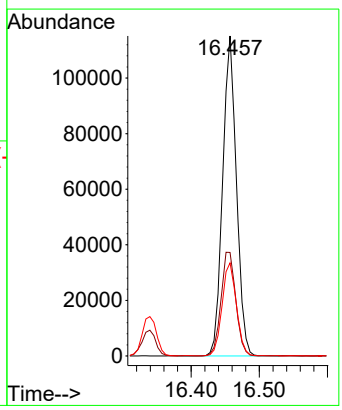


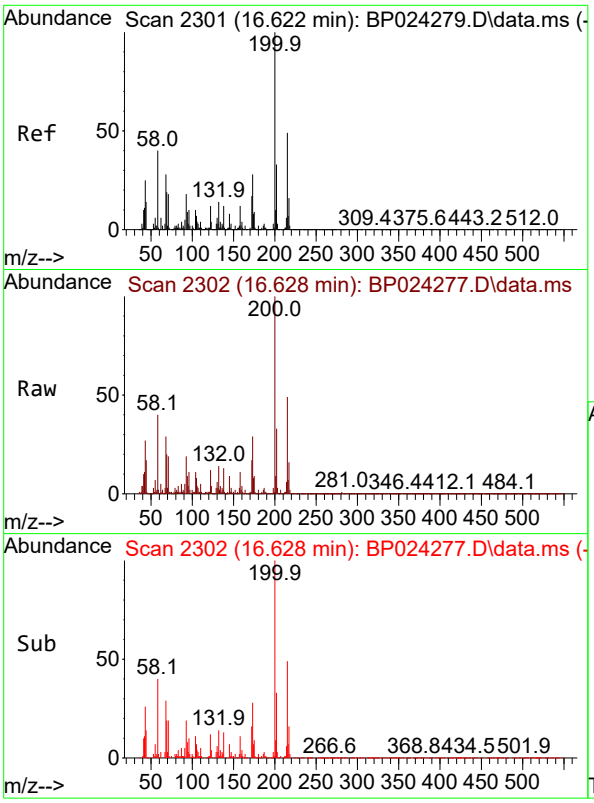


#68
Hexachlorobenzene
Concen: 9.528 ng
RT: 16.457 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:284 Resp: 161944

Ion	Ratio	Lower	Upper
284	100		
142	32.4	24.6	37.0
249	29.1	23.8	35.6



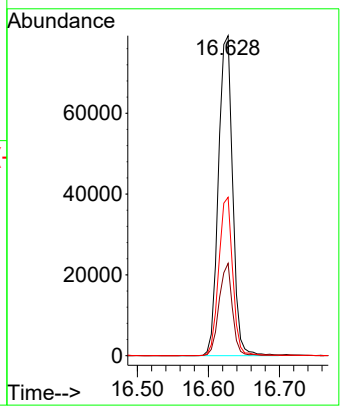


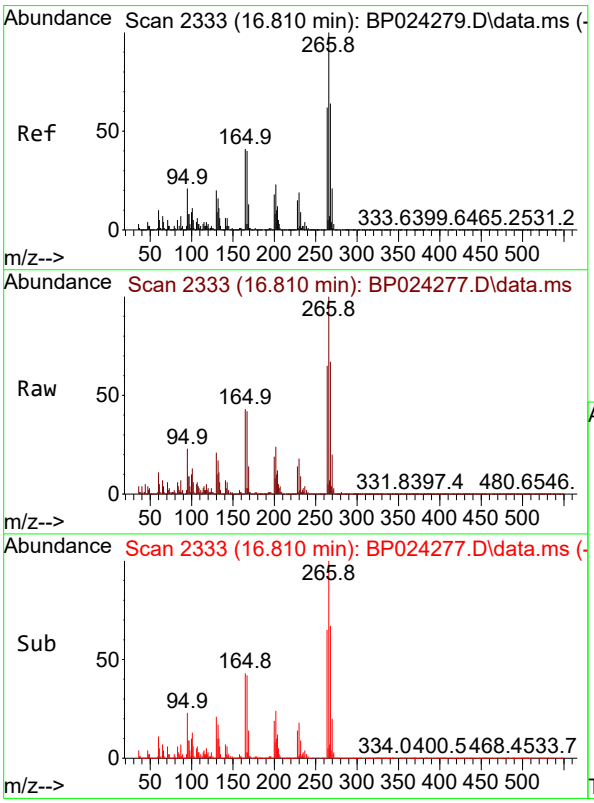
#69
Atrazine
Concen: 10.990 ng
RT: 16.628 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:200 Resp: 109503

Ion	Ratio	Lower	Upper
200	100		
173	28.8	7.5	47.5
215	49.5	28.8	68.8

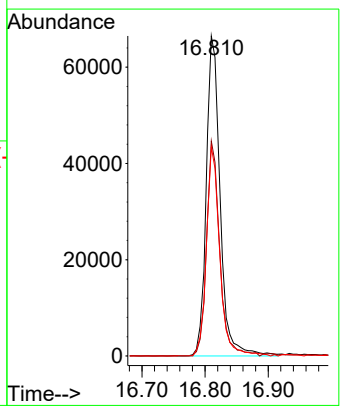


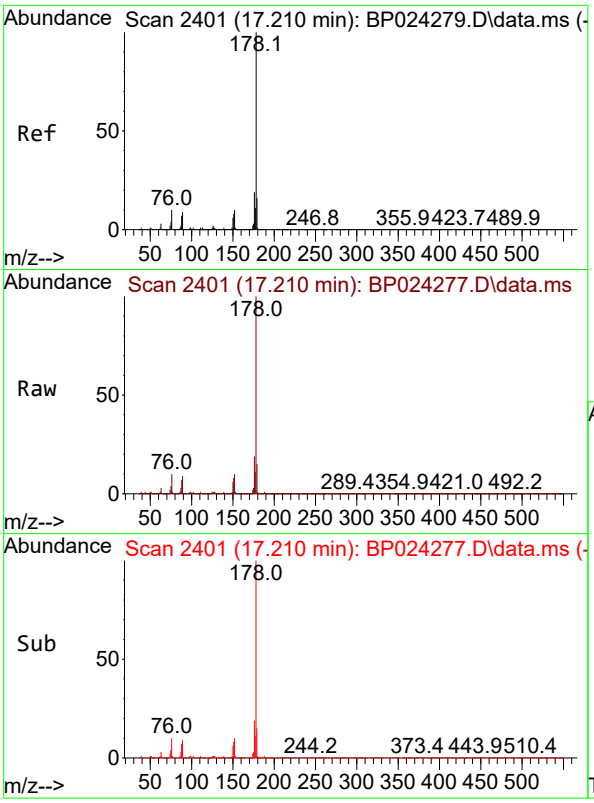


#70
Pentachlorophenol
Concen: 8.682 ng
RT: 16.810 min Scan# 2333
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:266 Resp: 101318

Ion	Ratio	Lower	Upper
266	100		
268	67.1	51.0	76.6
264	65.3	49.8	74.6



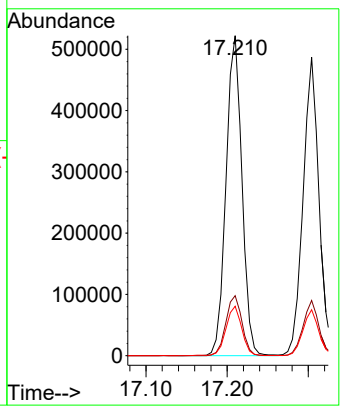


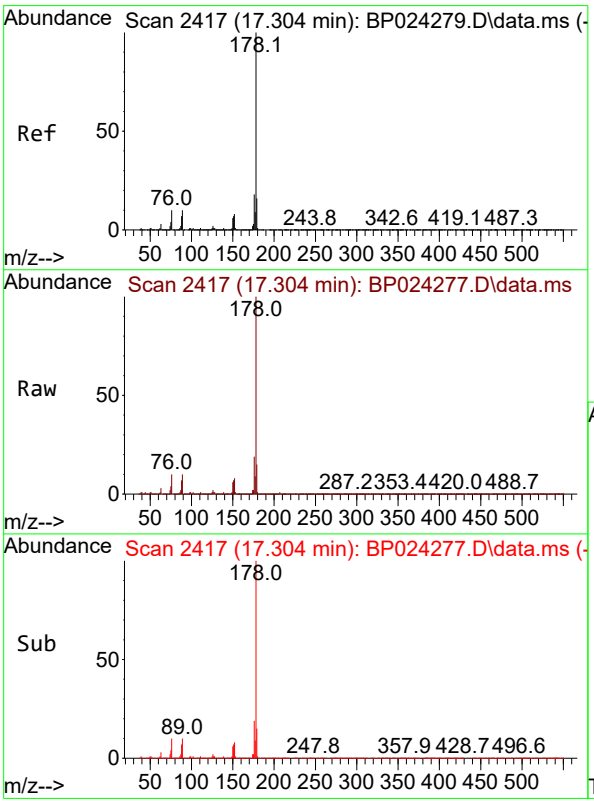
#71
Phenanthrene
Concen: 9.900 ng
RT: 17.210 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 711407

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.0
179	15.5	12.5	18.7

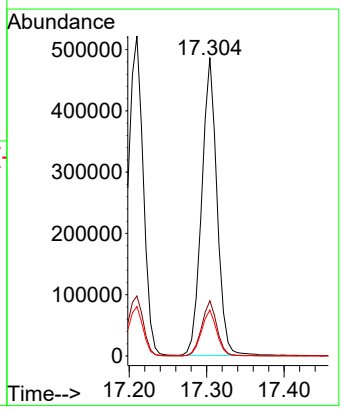


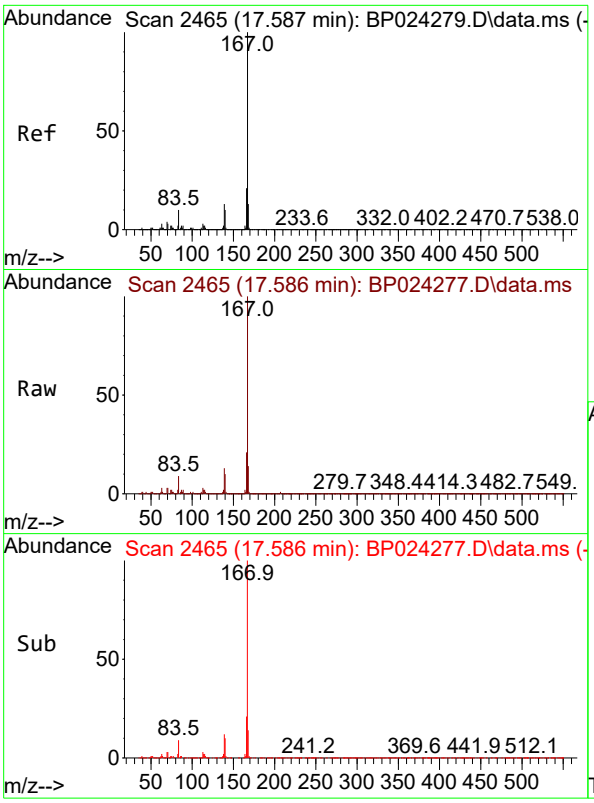


#72
Anthracene
Concen: 9.635 ng
RT: 17.304 min Scan# 2417
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:178 Resp: 666269

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.7	22.1
179	15.4	12.4	18.6



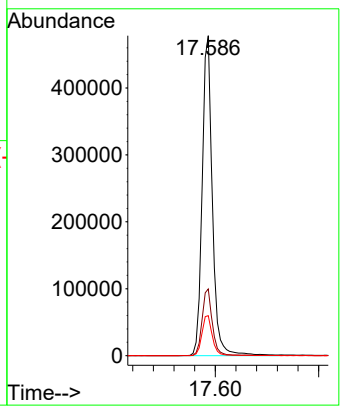


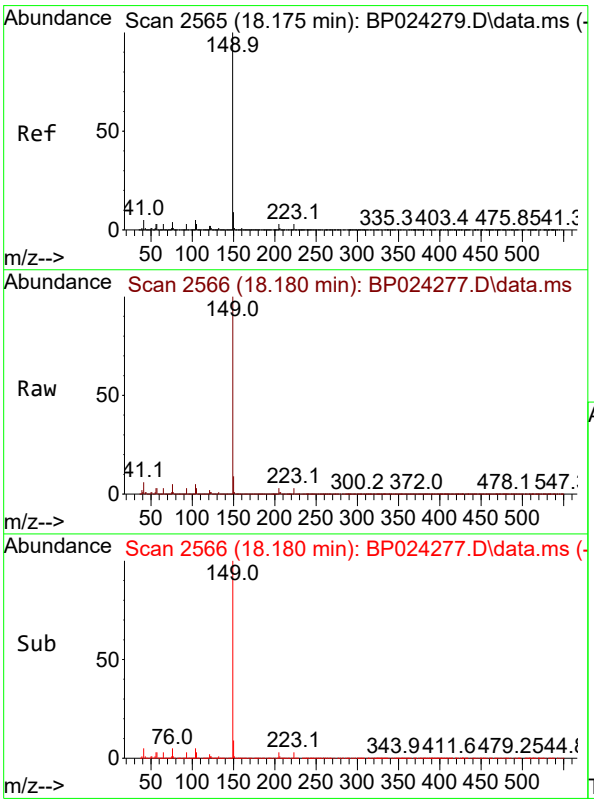
#73
Carbazole
Concen: 9.721 ng
RT: 17.586 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:167 Resp: 654205

Ion	Ratio	Lower	Upper
167	100		
166	20.8	17.1	25.7
139	12.5	10.6	16.0

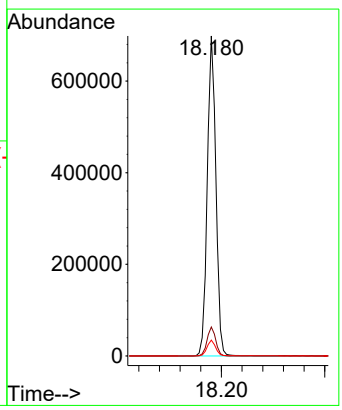


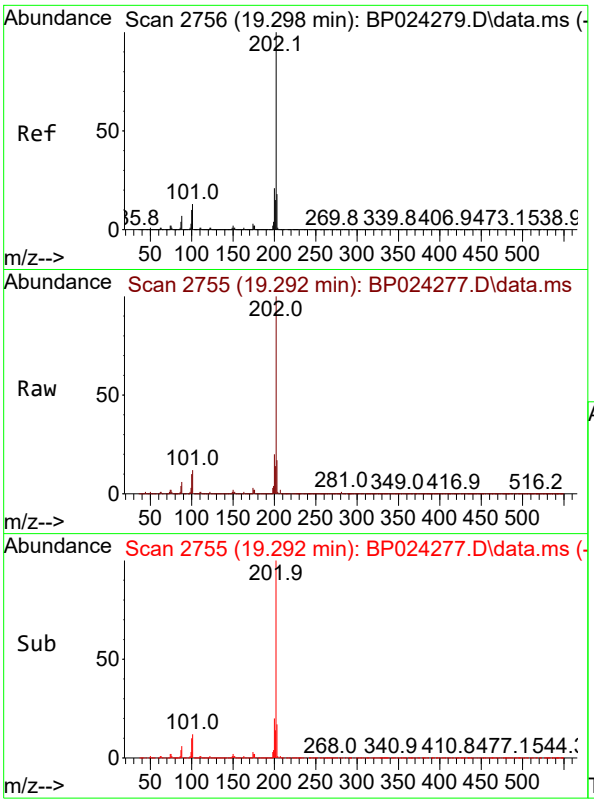


#74
Di-n-butylphthalate
Concen: 9.616 ng
RT: 18.180 min Scan# 2566
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:149 Resp: 806280

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.2
104	4.9	3.9	5.9



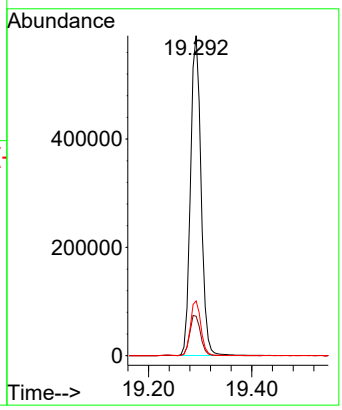


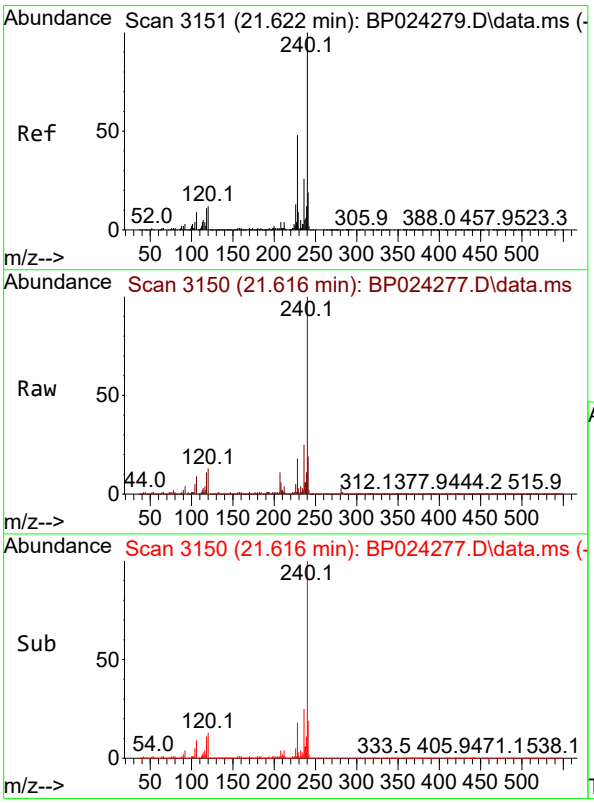
#75
Fluoranthene
Concen: 9.791 ng
RT: 19.292 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:202 Resp: 835153

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	33.2
203	17.1	0.0	37.7

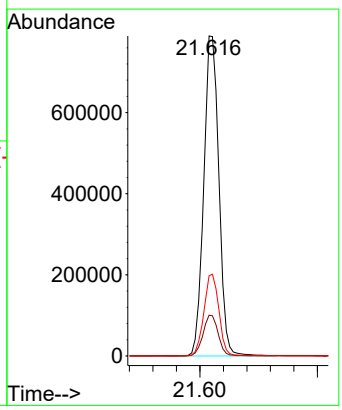


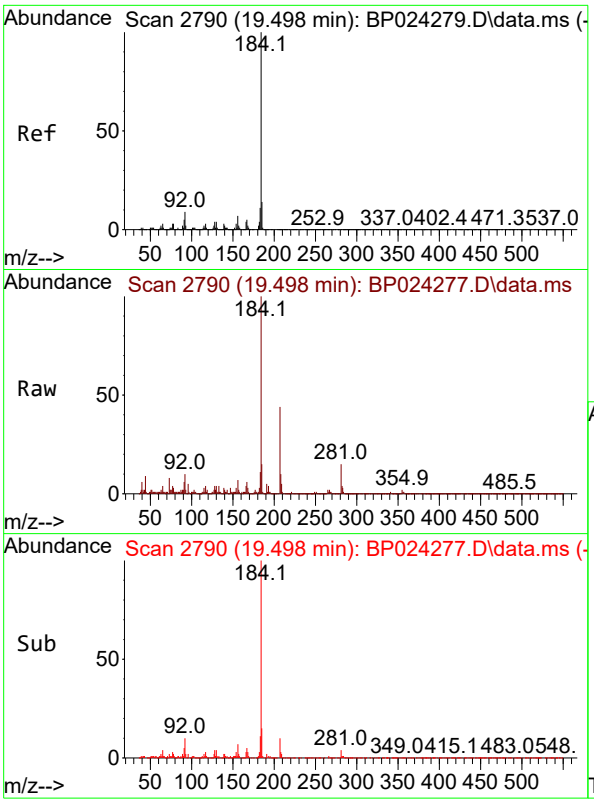


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.616 min Scan# 3150
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:240 Resp: 1408913

Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.8	14.8
236	25.0	20.9	31.3



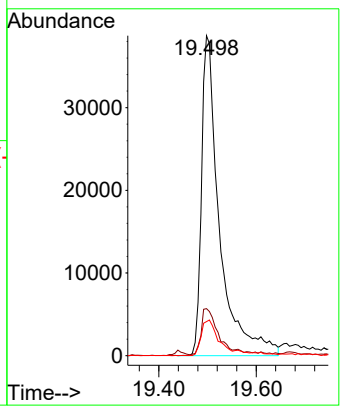


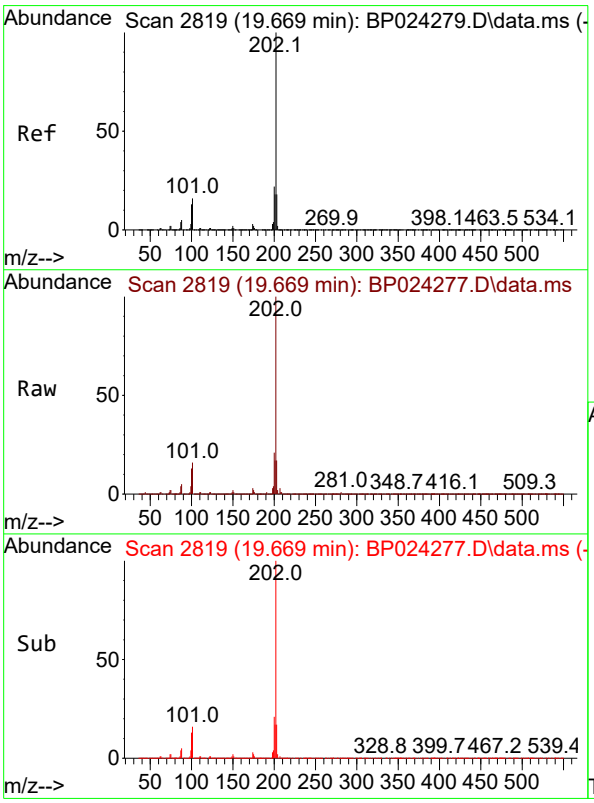
#77
Benzidine
Concen: 5.730 ng
RT: 19.498 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:184 Resp: 99659

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.6	17.4
183	10.6	9.2	13.8

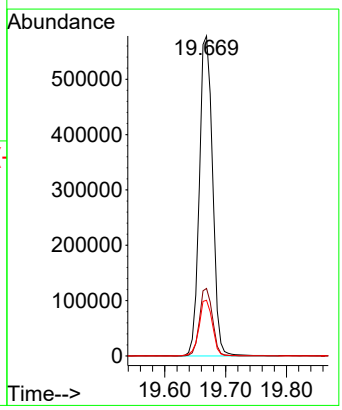


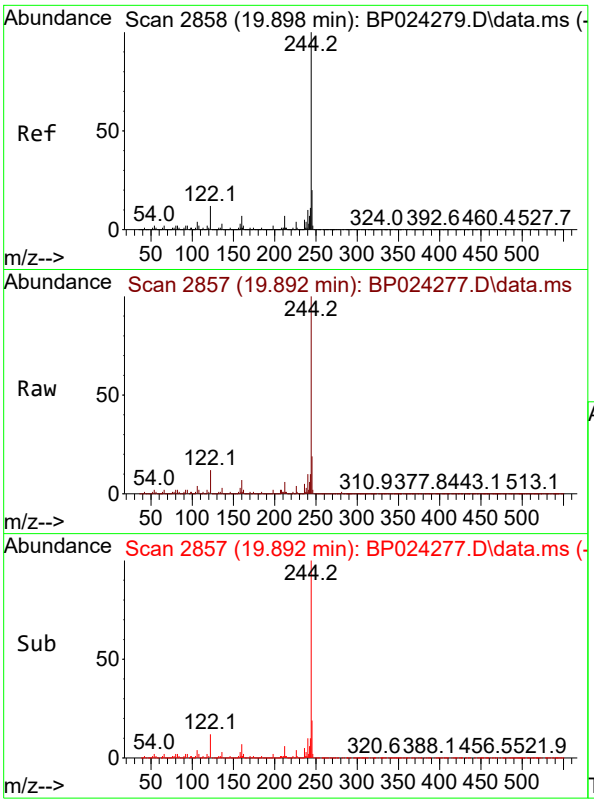


#78
Pyrene
Concen: 9.659 ng
RT: 19.669 min Scan# 2819
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:202 Resp: 870767

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.2	25.8
203	17.4	14.4	21.6



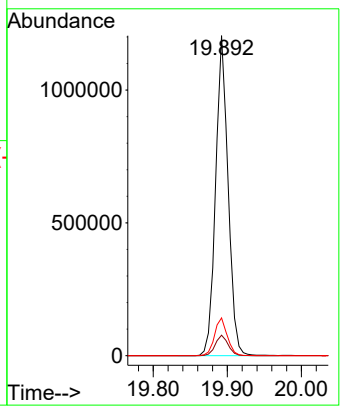


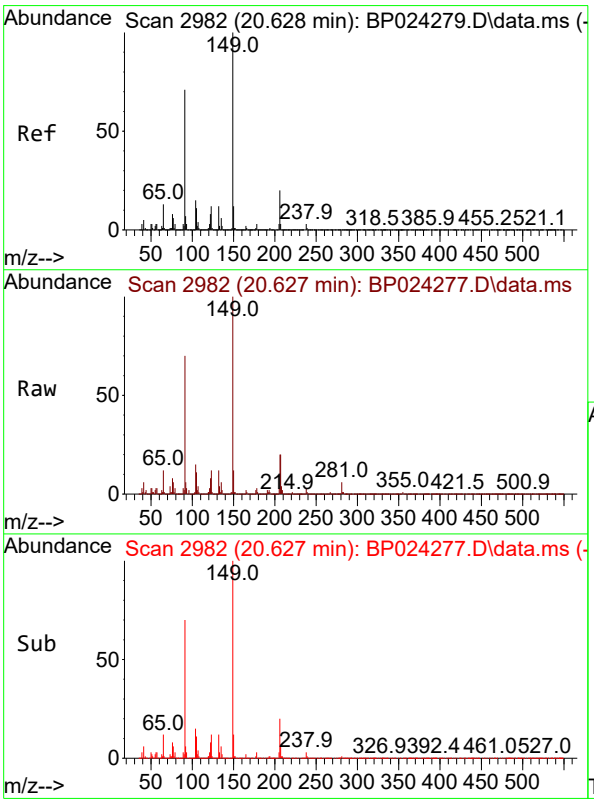
#79
Terphenyl-d14
Concen: 19.888 ng
RT: 19.892 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:244 Resp: 1405643

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.6	8.4
122	11.8	9.4	14.0

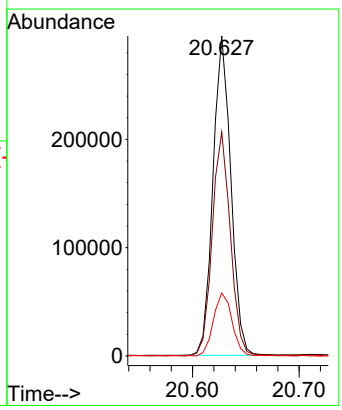


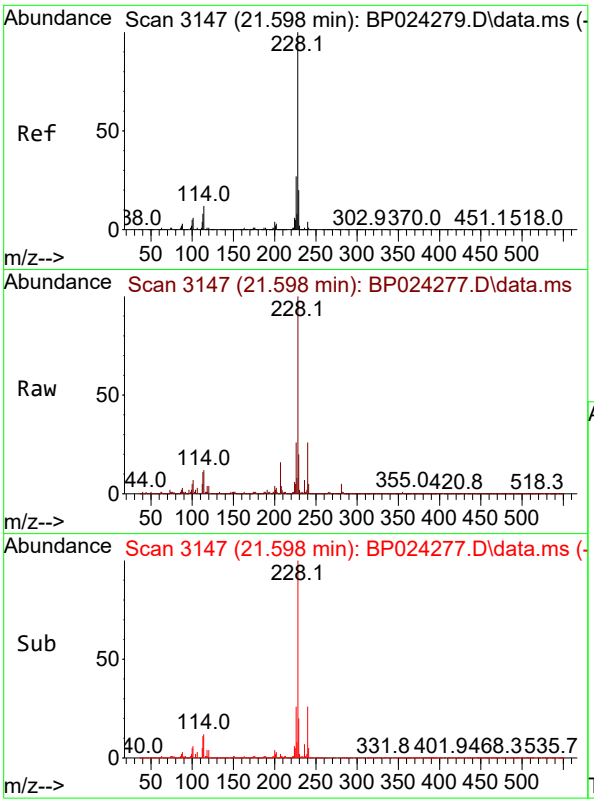


#80
Butylbenzylphthalate
Concen: 9.043 ng
RT: 20.627 min Scan# 2982
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:149 Resp: 343670

Ion	Ratio	Lower	Upper
149	100		
91	69.9	56.4	84.6
206	19.7	16.3	24.5



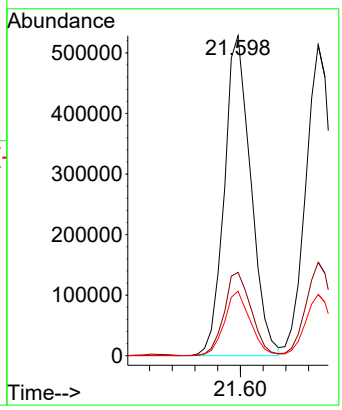


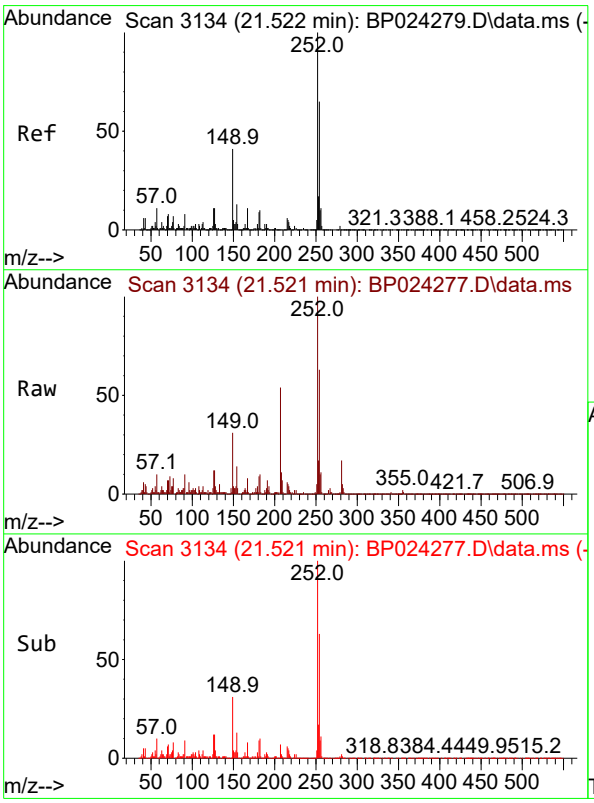
#81
Benzo(a)anthracene
Concen: 9.734 ng
RT: 21.598 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 854983

Ion	Ratio	Lower	Upper
228	100		
226	26.1	21.8	32.8
229	20.2	15.9	23.9

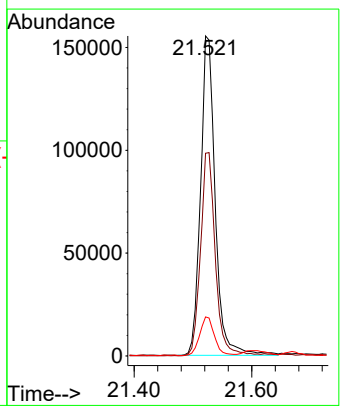


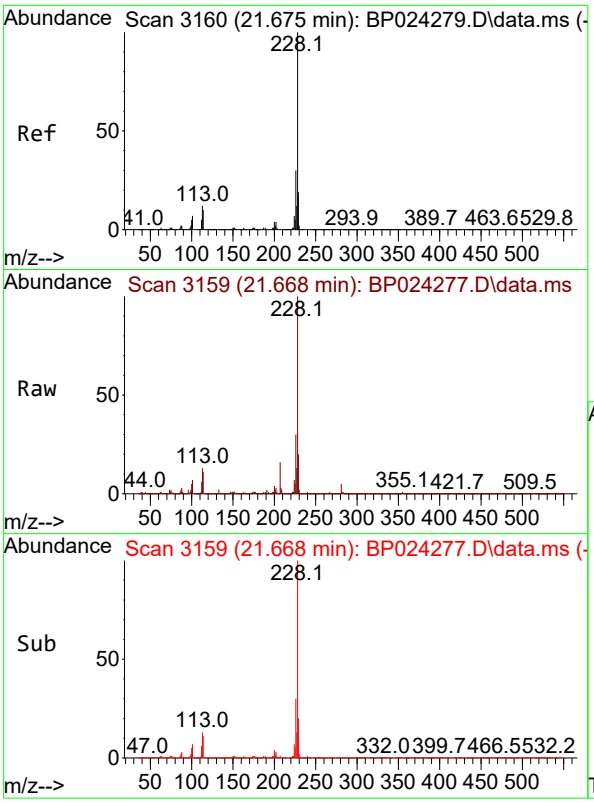


#82
3,3'-Dichlorobenzidine
Concen: 8.857 ng
RT: 21.521 min Scan# 3134
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:252 Resp: 269772

Ion	Ratio	Lower	Upper
252	100		
254	63.4	51.7	77.5
126	12.2	8.8	13.2



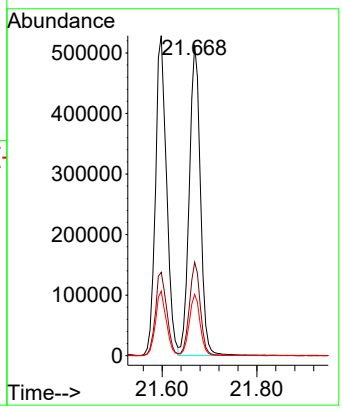


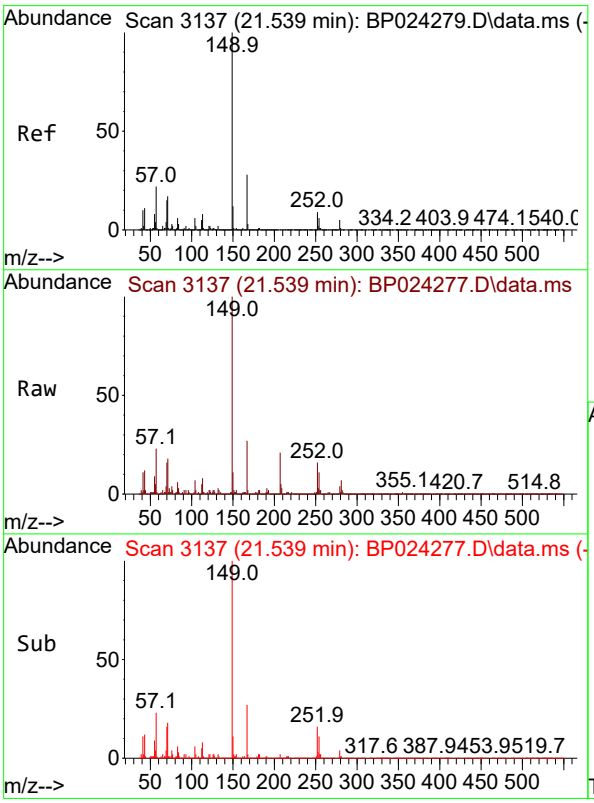
#83
Chrysene
Concen: 9.887 ng
RT: 21.668 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 832263

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.2	36.2
229	19.7	15.6	23.4

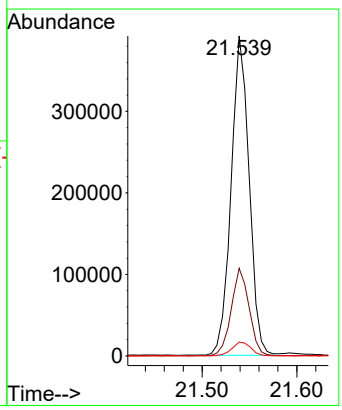


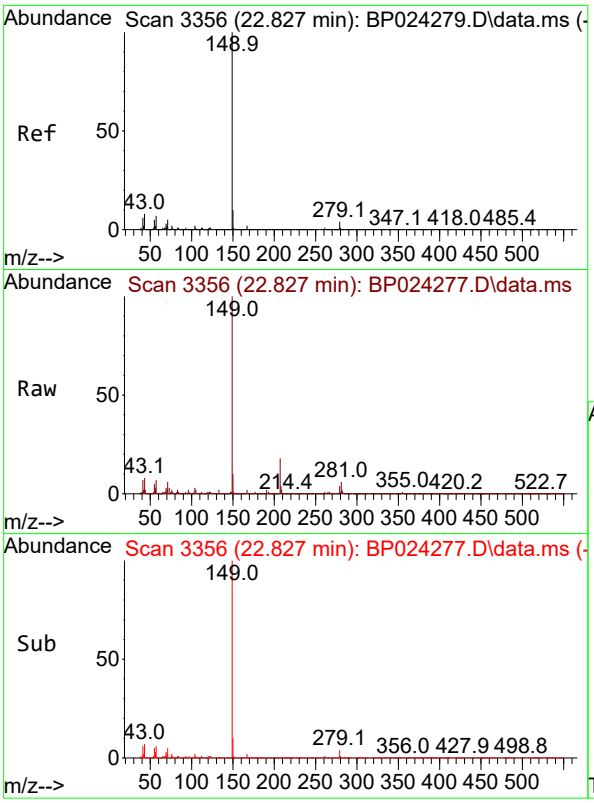


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.253 ng
RT: 21.539 min Scan# 3137
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:149 Resp: 517894

Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.4	33.6
279	4.4	4.0	6.0



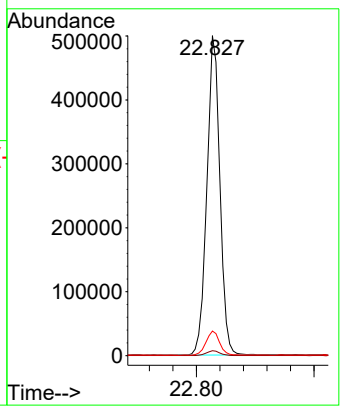


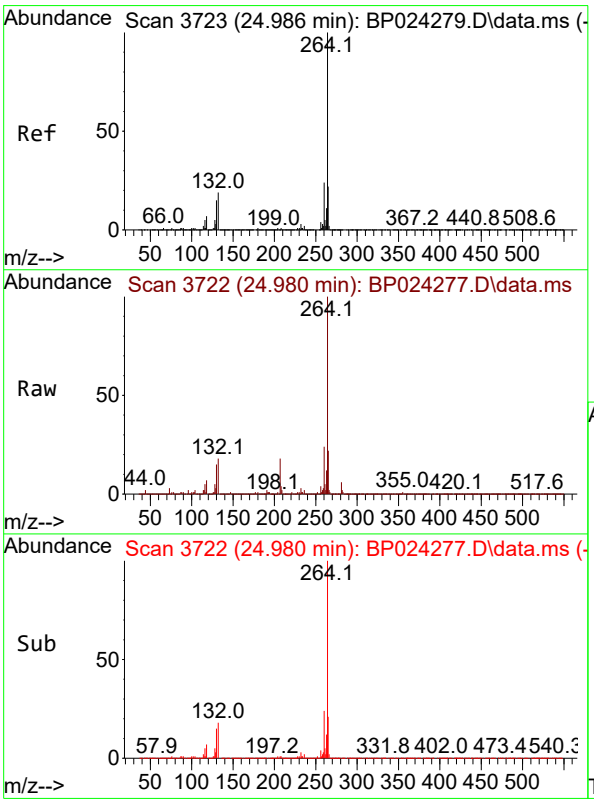
#85
Di-n-octyl phthalate
Concen: 8.584 ng
RT: 22.827 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:149 Resp: 769654

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.9	6.0	9.0

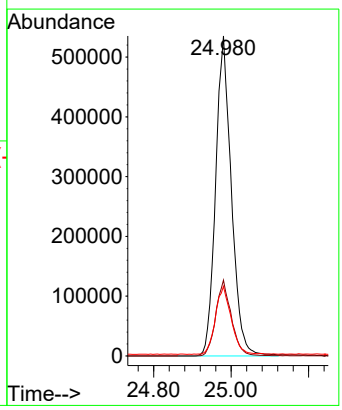


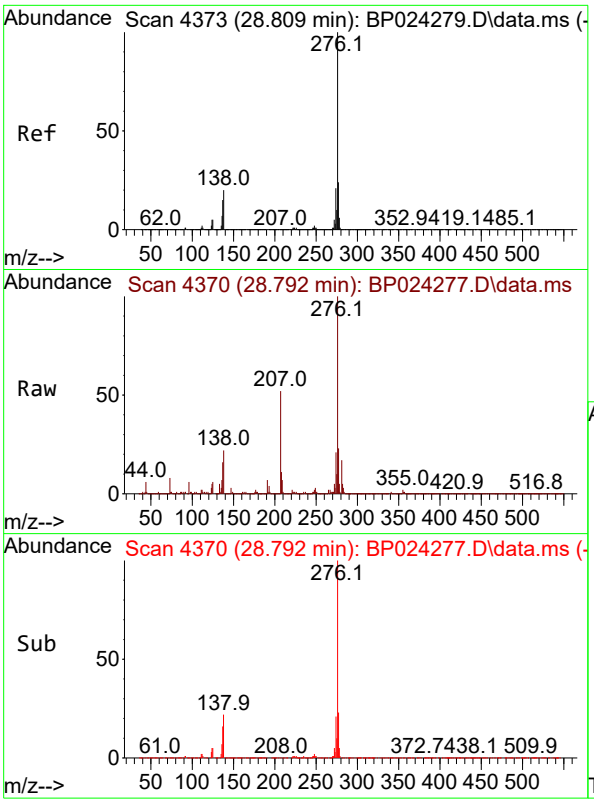


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.980 min Scan# 3722
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:264 Resp: 1508235

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.9	28.3
265	21.8	17.8	26.6



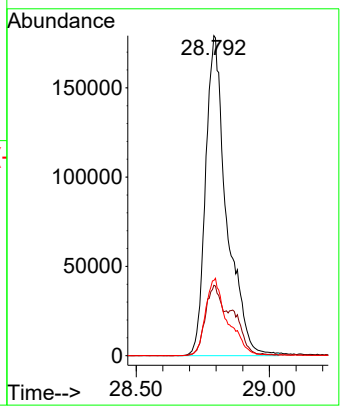


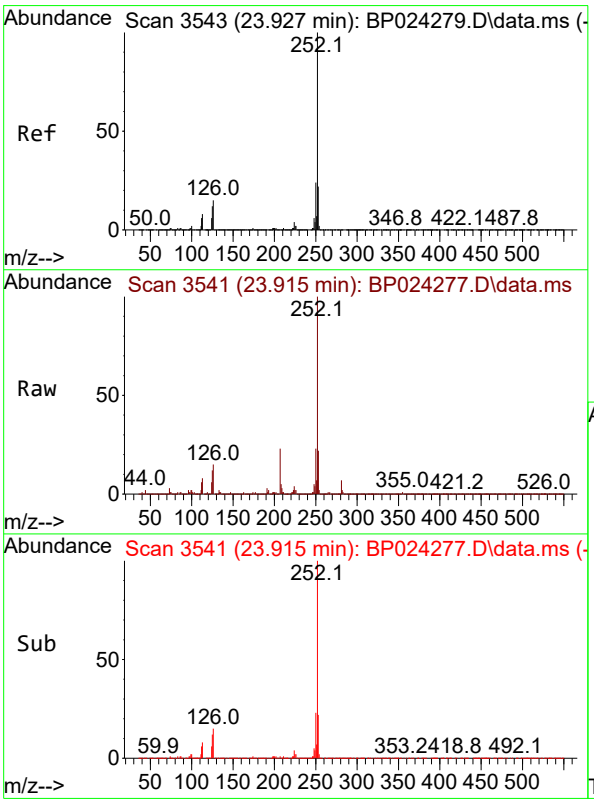
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.480 ng
RT: 28.792 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:276 Resp: 983323

Ion	Ratio	Lower	Upper
276	100		
138	19.2	14.5	21.7
277	25.4	20.2	30.2

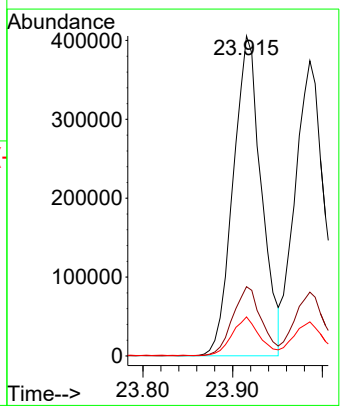


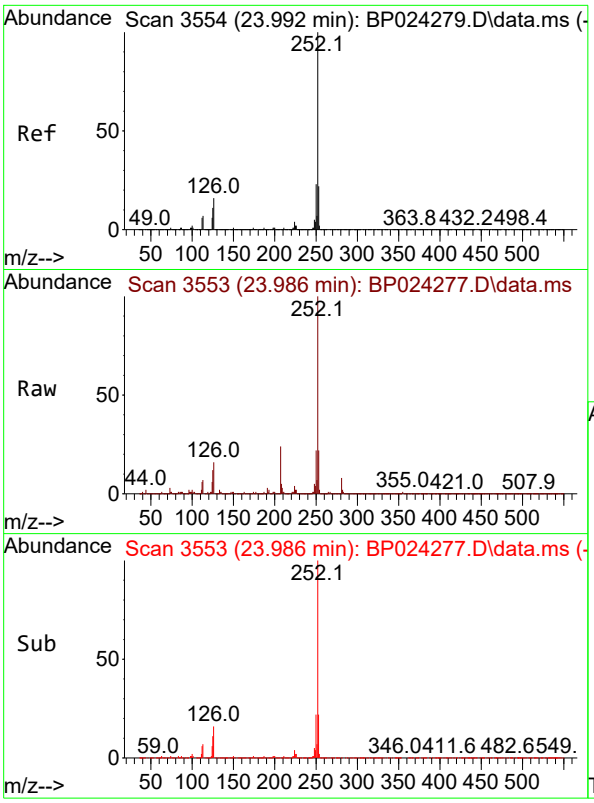


#88
Benzo(b)fluoranthene
Concen: 9.810 ng
RT: 23.915 min Scan# 3541
Delta R.T. -0.012 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:252 Resp: 885212

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	12.2	9.4	14.0



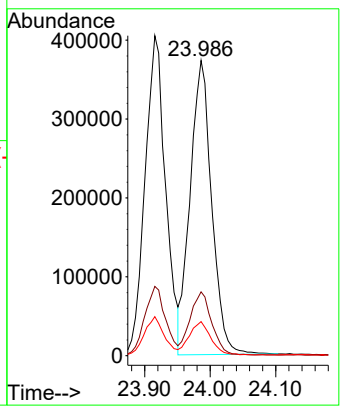


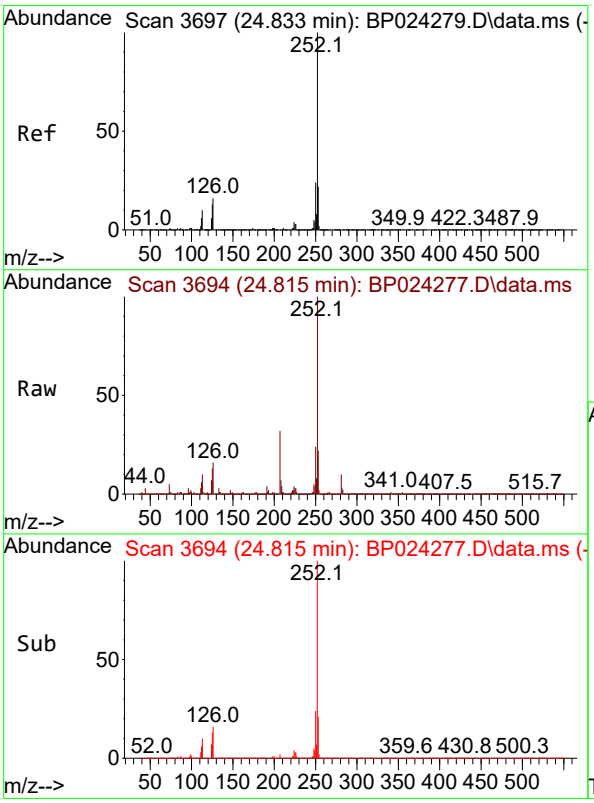
#89
Benzo(k)fluoranthene
Concen: 9.735 ng
RT: 23.986 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:252 Resp: 852606

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	11.5	9.1	13.7

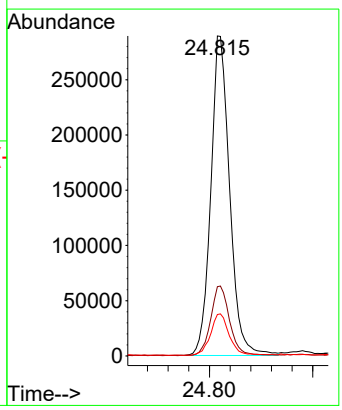


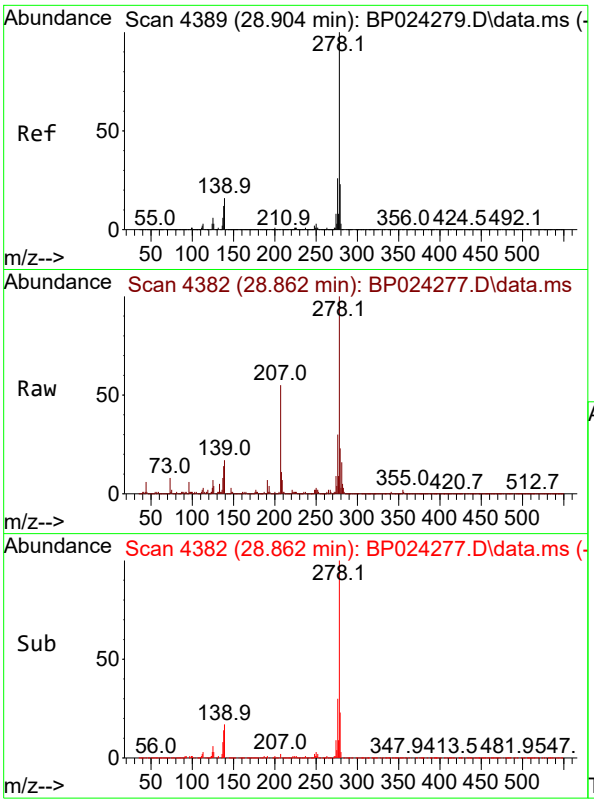


#90
Benzo(a)pyrene
Concen: 9.426 ng
RT: 24.815 min Scan# 3694
Delta R.T. -0.018 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:252 Resp: 732209

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.6	26.4
125	13.0	10.1	15.1



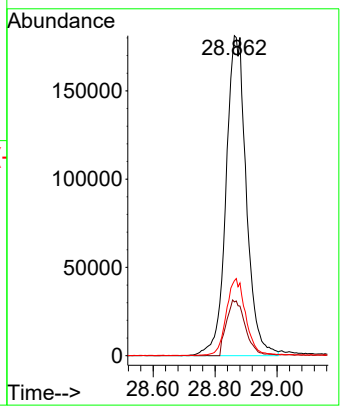


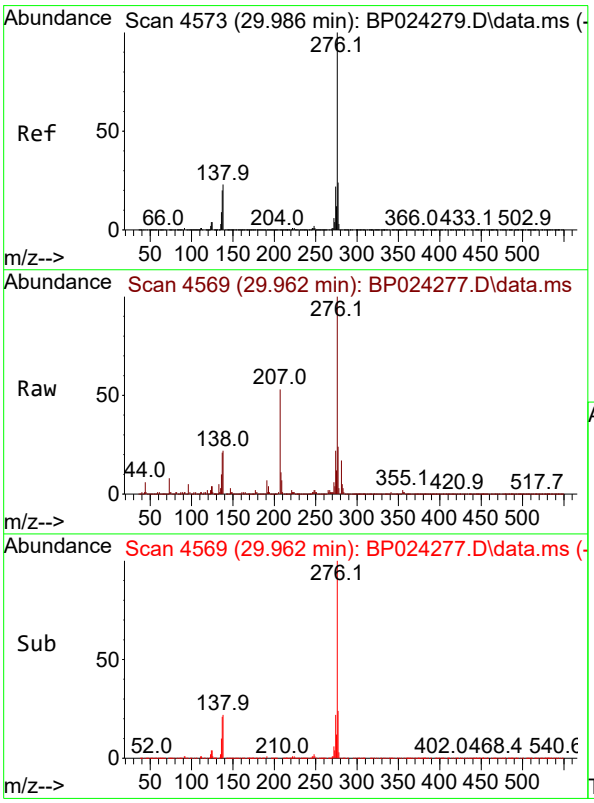
#91
Dibenzo(a,h)anthracene
Concen: 9.517 ng
RT: 28.862 min Scan# 4
Delta R.T. -0.041 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 821160

Ion	Ratio	Lower	Upper
278	100		
139	16.8	12.6	19.0
279	23.4	18.5	27.7

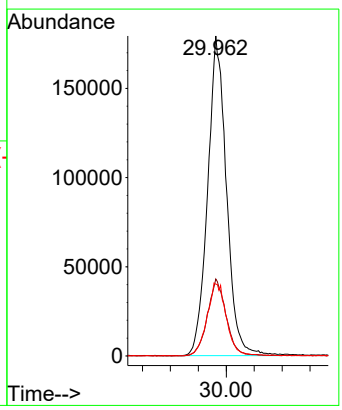




#92
Benzo(g,h,i)perylene
Concen: 9.530 ng
RT: 29.962 min Scan# 4569
Delta R.T. -0.024 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:276 Resp: 836993

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.9	28.3
138	22.5	18.7	28.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024278.D
Acq On : 14 Apr 2025 13:08
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Quant Time: Apr 14 17:26:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.734	152	251998	20.000	ng	0.00
21) Naphthalene-d8	10.505	136	1081087	20.000	ng	0.00
39) Acenaphthene-d10	14.369	164	688775	20.000	ng	0.00
64) Phenanthrene-d10	17.169	188	1378480	20.000	ng	0.00
76) Chrysene-d12	21.616	240	1415765	20.000	ng	0.00
86) Perylene-d12	24.986	264	1549781	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	636245	41.668	ng	0.00
7) Phenol-d6	6.911	99	866004	41.458	ng	0.00
23) Nitrobenzene-d5	8.875	82	794485	41.839	ng	0.00
42) 2,4,6-Tribromophenol	15.875	330	383088	40.617	ng	0.00
45) 2-Fluorobiphenyl	12.975	172	1871534	41.254	ng	0.00
79) Terphenyl-d14	19.898	244	2987245	42.062	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.293	88	139222	21.358	ng	99
3) Pyridine	3.693	79	358370	21.120	ng	99
4) n-Nitrosodimethylamine	3.599	42	118077	20.869	ng	98
6) Aniline	7.069	93	412168	21.857	ng	99
8) 2-Chlorophenol	7.305	128	355815	20.852	ng	99
9) Benzaldehyde	6.881	77	237371	21.940	ng	100
10) Phenol	6.940	94	433531	20.670	ng	98
11) bis(2-Chloroethyl)ether	7.164	93	352530	20.800	ng	100
12) 1,3-Dichlorobenzene	7.622	146	386470	20.903	ng	100
13) 1,4-Dichlorobenzene	7.763	146	390483	20.828	ng	100
14) 1,2-Dichlorobenzene	8.081	146	378518	20.880	ng	99
15) Benzyl Alcohol	7.969	79	278608	20.809	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.258	45	382308	20.734	ng	99
17) 2-Methylphenol	8.175	107	283057	20.942	ng	99
18) Hexachloroethane	8.805	117	140558	20.773	ng	99
19) n-Nitroso-di-n-propyla...	8.528	70	274118	21.127	ng	100
20) 3+4-Methylphenols	8.499	107	393131	20.999	ng	99
22) Acetophenone	8.546	105	563994	20.991	ng	99
24) Nitrobenzene	8.916	77	390911	20.770	ng	98
25) Isophorone	9.446	82	705771	20.588	ng	98
26) 2-Nitrophenol	9.628	139	185740	20.553	ng	99
27) 2,4-Dimethylphenol	9.687	122	236436	20.643	ng	98
28) bis(2-Chloroethoxy)met...	9.916	93	480036	20.575	ng	100
29) 2,4-Dichlorophenol	10.163	162	320579	20.536	ng	99
30) 1,2,4-Trichlorobenzene	10.369	180	343641	20.348	ng	99
31) Naphthalene	10.557	128	1179848	20.618	ng	100
32) Benzoic acid	9.805	122	244213m	19.731	ng	
33) 4-Chloroaniline	10.669	127	420086	21.010	ng	100
34) Hexachlorobutadiene	10.846	225	200785	20.267	ng	99
35) Caprolactam	11.446	113	119912	20.922	ng	98
36) 4-Chloro-3-methylphenol	11.799	107	377768	20.767	ng	99
37) 2-Methylnaphthalene	12.169	142	816314	20.583	ng	100
38) 1-Methylnaphthalene	12.387	142	796550	20.503	ng	100
40) 1,2,4,5-Tetrachloroben...	12.540	216	391241	20.669	ng	100
41) Hexachlorocyclopentadiene	12.522	237	135654	20.414	ng	97
43) 2,4,6-Trichlorophenol	12.787	196	254189	20.410	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024278.D
Acq On : 14 Apr 2025 13:08
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Quant Time: Apr 14 17:26:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.863	196	281887	20.424	ng	99
46) 1,1'-Biphenyl	13.187	154	1052618	20.694	ng	100
47) 2-Chloronaphthalene	13.228	162	782040	20.603	ng	99
48) 2-Nitroaniline	13.440	65	218194	20.811	ng	99
49) Acenaphthylene	14.087	152	1234728	20.726	ng	99
50) Dimethylphthalate	13.822	163	1029599	20.489	ng	100
51) 2,6-Dinitrotoluene	13.940	165	219492	20.731	ng	98
52) Acenaphthene	14.434	154	785789	20.741	ng	99
53) 3-Nitroaniline	14.269	138	233006	21.212	ng	99
54) 2,4-Dinitrophenol	14.481	184	112157	19.785	ng	94
55) Dibenzofuran	14.769	168	1288363	20.735	ng	99
56) 4-Nitrophenol	14.593	139	199315	21.109	ng	99
57) 2,4-Dinitrotoluene	14.734	165	302332	21.126	ng	98
58) Fluorene	15.428	166	1001515	20.876	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.998	232	262077	20.523	ng	99
60) Diethylphthalate	15.198	149	1052183	20.344	ng	100
61) 4-Chlorophenyl-phenyle...	15.422	204	481631	20.675	ng	98
62) 4-Nitroaniline	15.445	138	243257	20.888	ng	96
63) Azobenzene	15.722	77	995912	20.907	ng	100
65) 4,6-Dinitro-2-methylph...	15.510	198	162501	20.176	ng	98
66) n-Nitrosodiphenylamine	15.640	169	849476	20.552	ng	100
67) 4-Bromophenyl-phenylether	16.334	248	302601	20.125	ng	99
68) Hexachlorobenzene	16.451	284	358889	20.077	ng	100
69) Atrazine	16.616	200	184151	17.573	ng	98
70) Pentachlorophenol	16.810	266	241815	19.702	ng	98
71) Phenanthrene	17.210	178	1540112	20.378	ng	100
72) Anthracene	17.298	178	1494006	20.543	ng	99
73) Carbazole	17.581	167	1461729	20.653	ng	100
74) Di-n-butylphthalate	18.175	149	1727074	19.585	ng	100
75) Fluoranthene	19.292	202	1813662	20.218	ng	99
77) Benzidine	19.498	184	154964	8.867	ng	99
78) Pyrene	19.669	202	1904884	21.028	ng	99
80) Butylbenzylphthalate	20.633	149	772776	20.235	ng	96
81) Benzo(a)anthracene	21.598	228	1829798	20.732	ng	99
82) 3,3'-Dichlorobenzidine	21.527	252	610749	19.956	ng	99
83) Chrysene	21.669	228	1739548	20.565	ng	99
84) Bis(2-ethylhexyl)phtha...	21.545	149	1103263	19.616	ng	99
85) Di-n-octyl phthalate	22.827	149	1730436	19.207	ng	100
87) Indeno(1,2,3-cd)pyrene	28.792	276	2180177	20.454	ng	99
88) Benzo(b)fluoranthene	23.916	252	1885654	20.337	ng	99
89) Benzo(k)fluoranthene	23.980	252	1885747	20.955	ng	99
90) Benzo(a)pyrene	24.816	252	1637648	20.518	ng	98
91) Dibenzo(a,h)anthracene	28.868	278	1815743	20.480	ng	98
92) Benzo(g,h,i)perylene	29.951	276	1856380	20.571	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024278.D
Acq On : 14 Apr 2025 13:08
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Quant Time: Apr 14 17:26:39 2025
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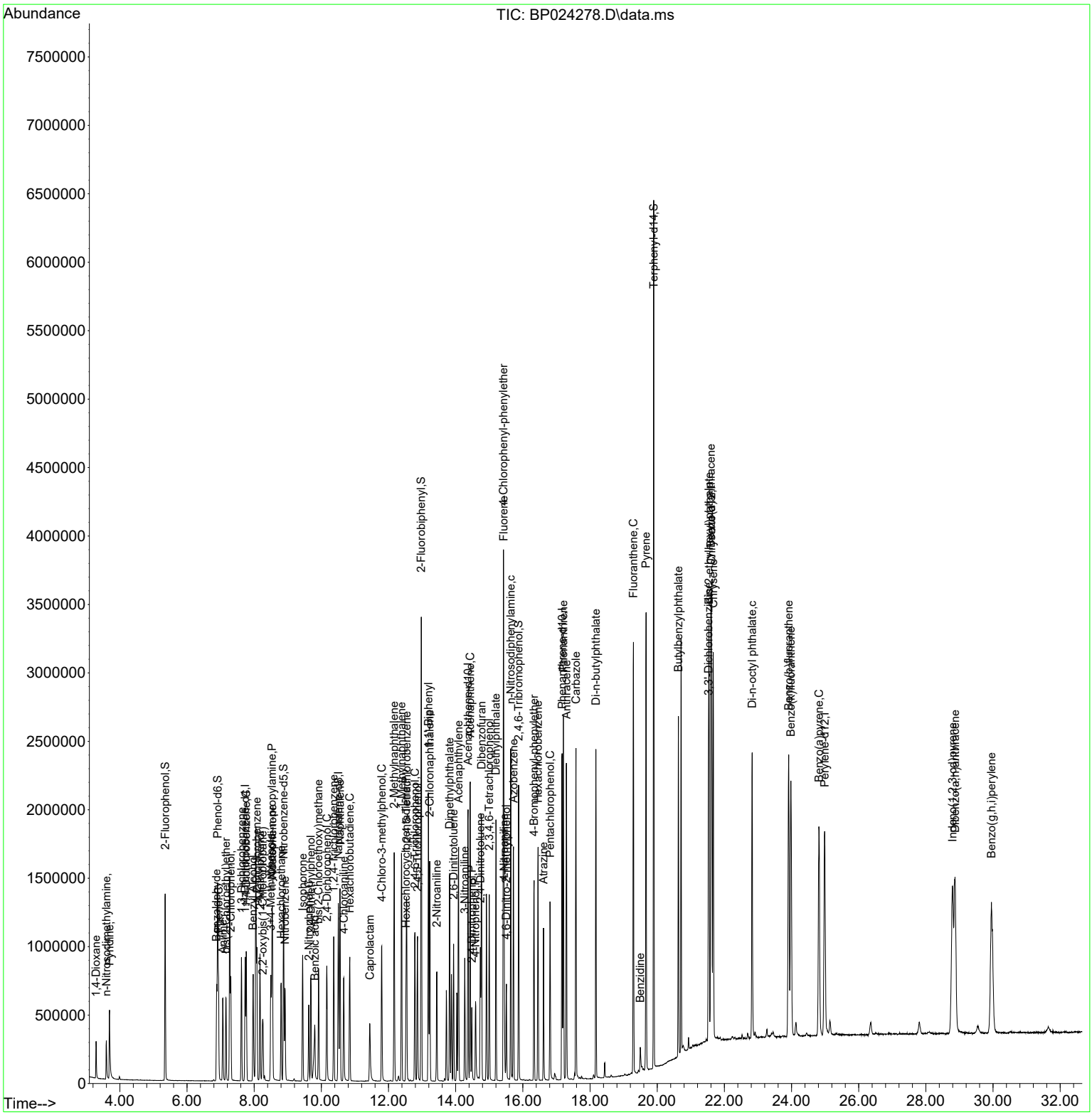
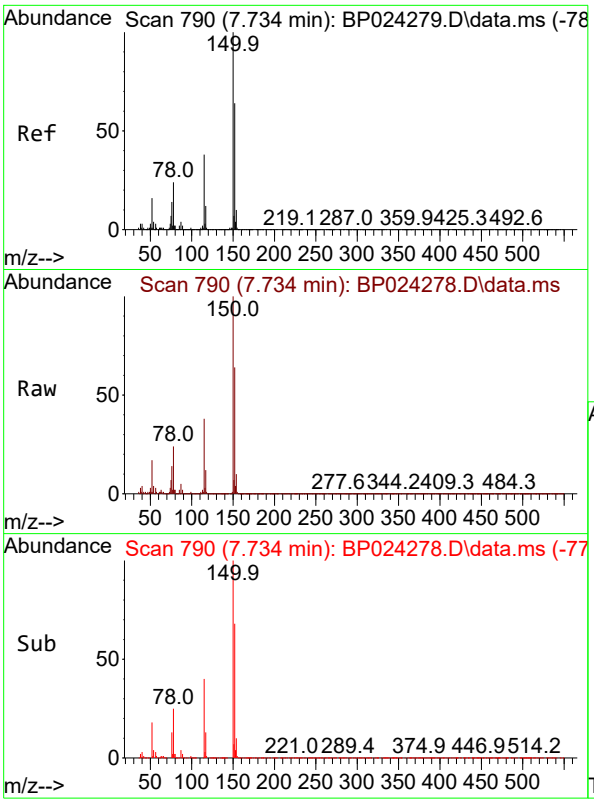
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration



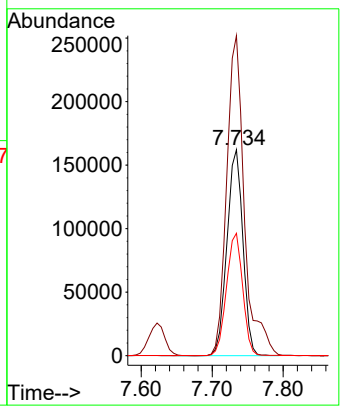


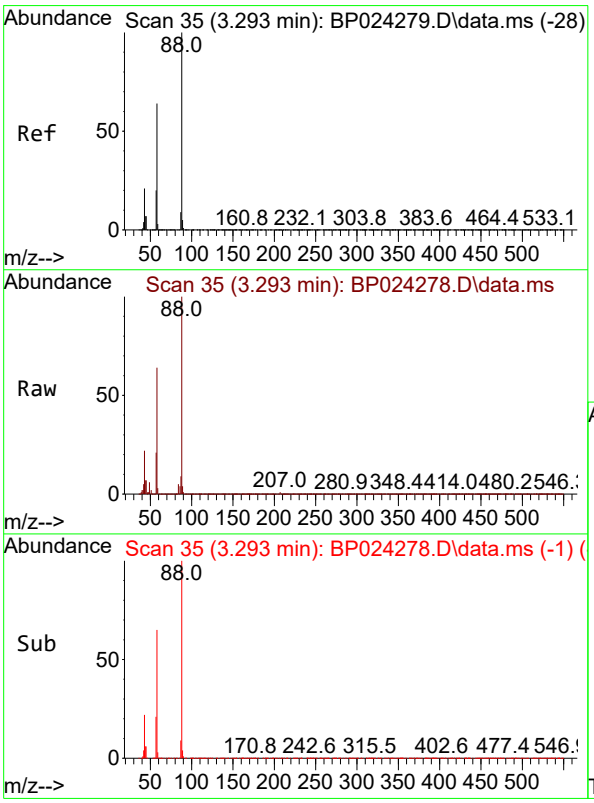
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.734 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 251998

Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.9	187.3
115	59.4	47.7	71.5

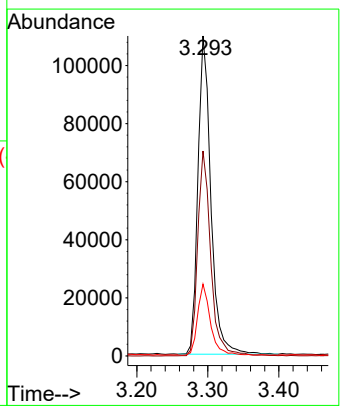


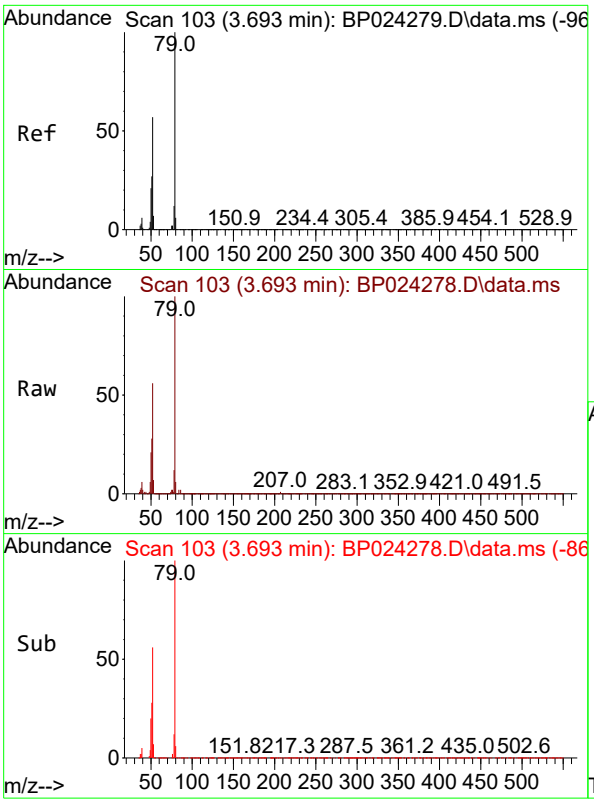


#2
1,4-Dioxane
Concen: 21.358 ng
RT: 3.293 min Scan# 35
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion: 88 Resp: 139222

Ion	Ratio	Lower	Upper
88	100		
58	64.8	51.4	77.2
43	22.2	17.1	25.7



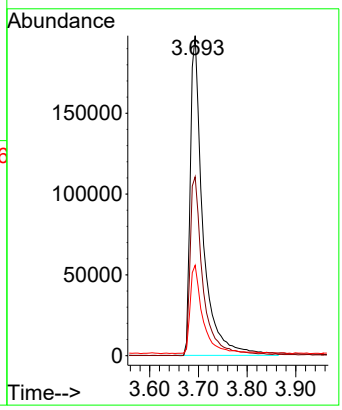


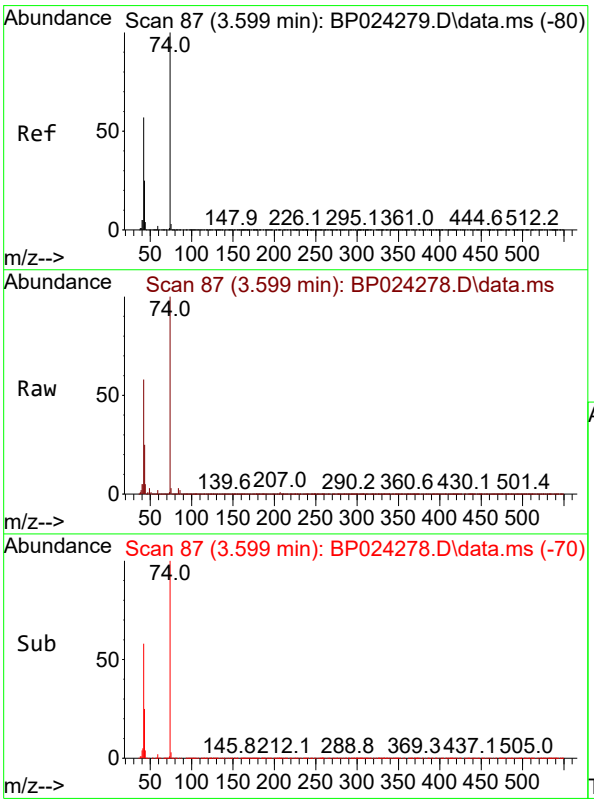
#3
Pyridine
Concen: 21.120 ng
RT: 3.693 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 358370

Ion	Ratio	Lower	Upper
79	100		
52	55.9	45.4	68.2
51	28.3	22.6	33.8

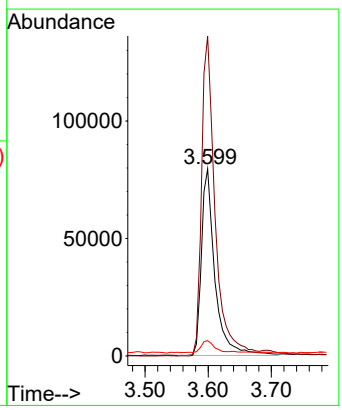


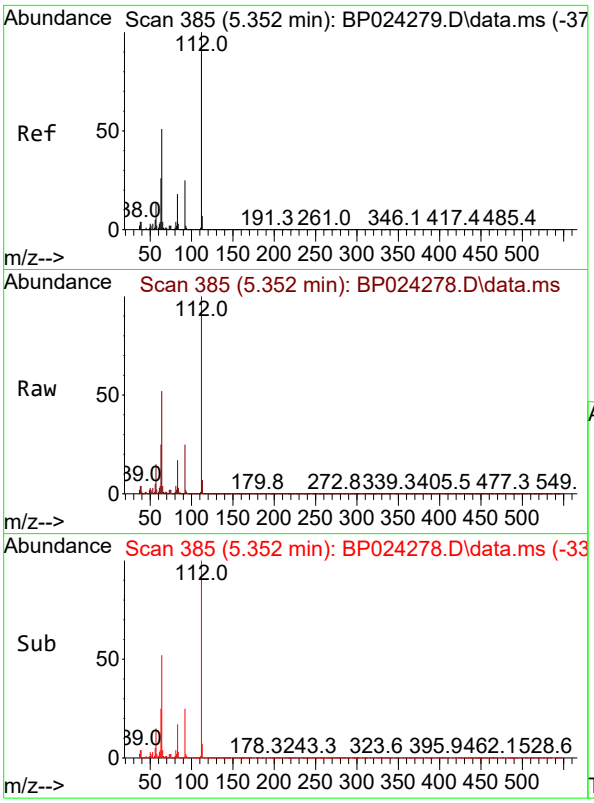


#4
n-Nitrosodimethylamine
Concen: 20.869 ng
RT: 3.599 min Scan# 87
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion: 42 Resp: 118077

Ion	Ratio	Lower	Upper
42	100		
74	171.1	139.5	209.3
44	8.3	5.8	8.8



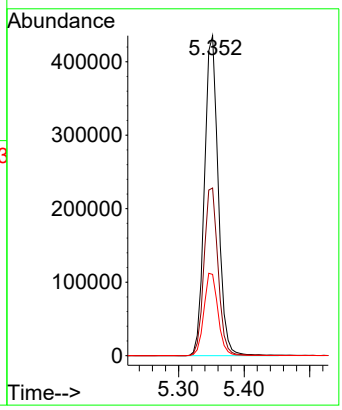


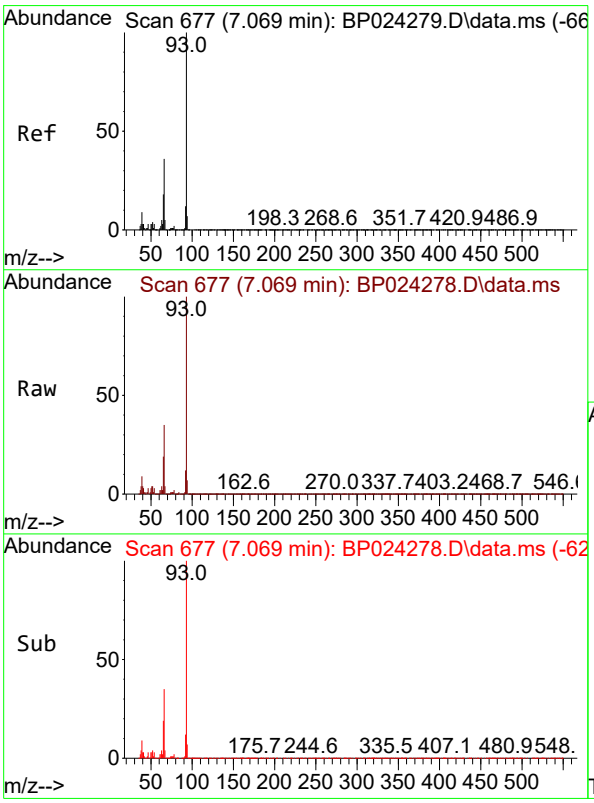
#5
2-Fluorophenol
Concen: 41.668 ng
RT: 5.352 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 636245

Ion	Ratio	Lower	Upper
112	100		
64	52.4	41.1	61.7
63	25.4	20.6	30.8

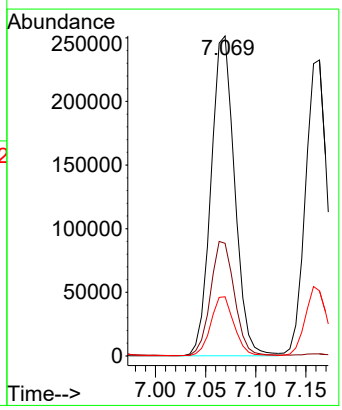


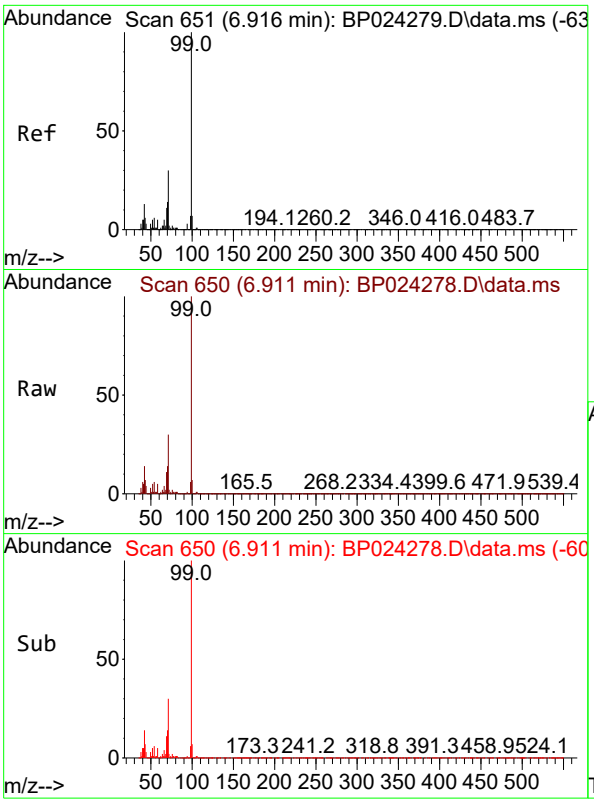


#6
Aniline
Concen: 21.857 ng
RT: 7.069 min Scan# 677
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion: 93 Resp: 412168

Ion	Ratio	Lower	Upper
93	100		
66	35.2	29.1	43.7
65	18.5	14.7	22.1



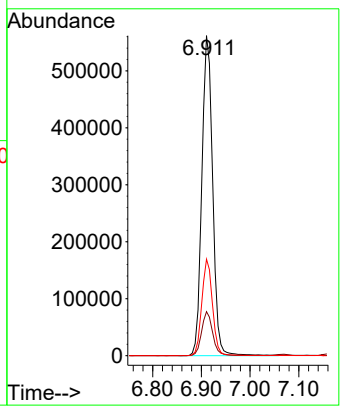


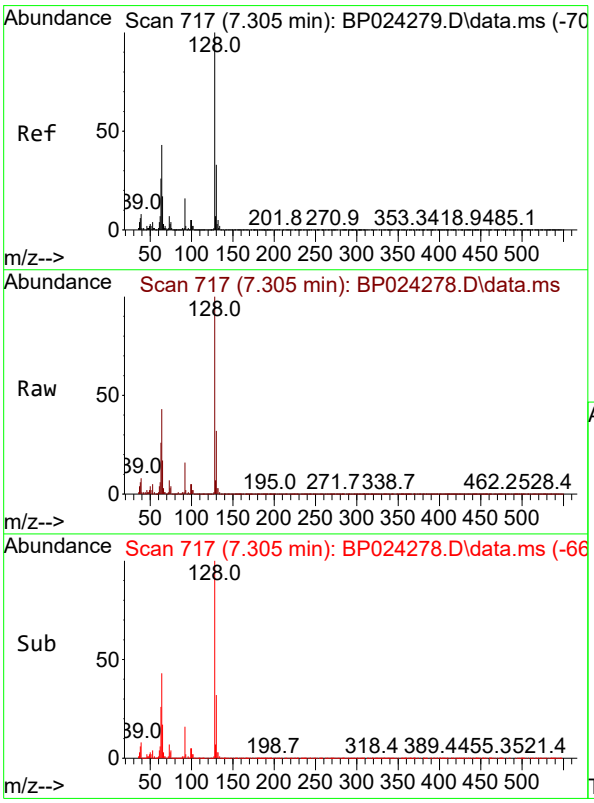
#7
Phenol-d6
Concen: 41.458 ng
RT: 6.911 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 866004

Ion	Ratio	Lower	Upper
99	100		
42	13.7	10.6	16.0
71	30.2	23.7	35.5

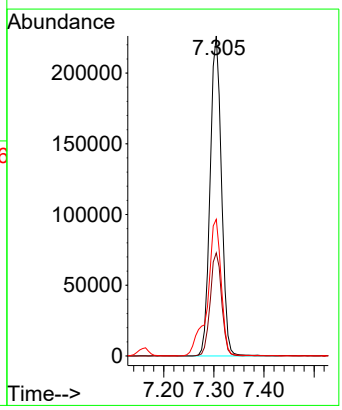


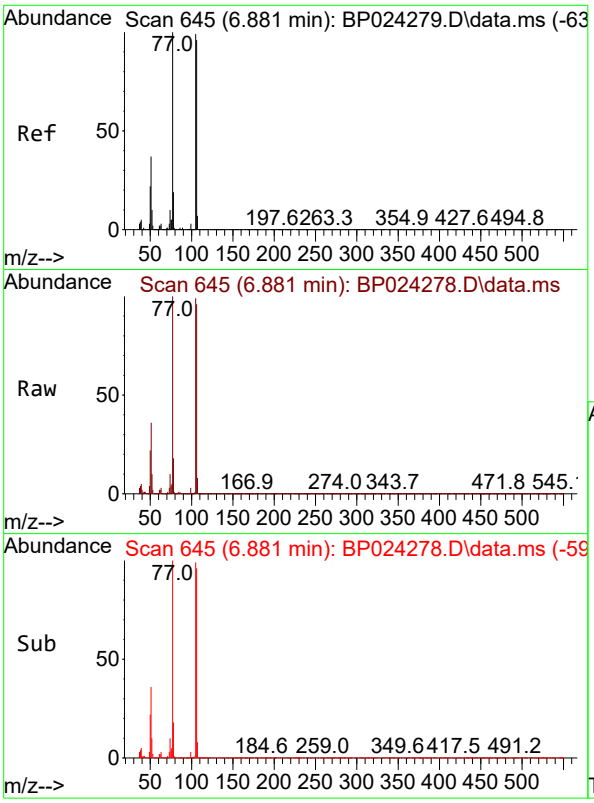


#8
2-Chlorophenol
Concen: 20.852 ng
RT: 7.305 min Scan# 717
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:128 Resp: 355815

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.9	52.9
64	42.7	22.7	62.7



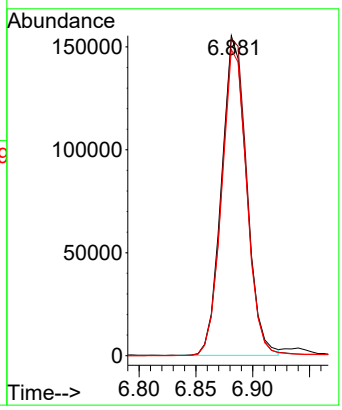


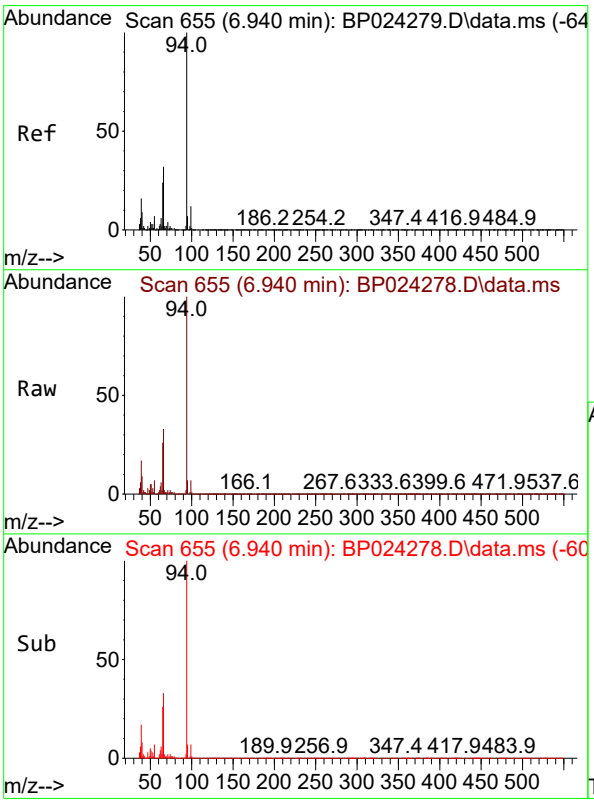
#9
Benzaldehyde
Concen: 21.940 ng
RT: 6.881 min Scan# 64
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 237371

Ion	Ratio	Lower	Upper
77	100		
105	99.1	79.2	119.2
106	95.6	76.2	116.2

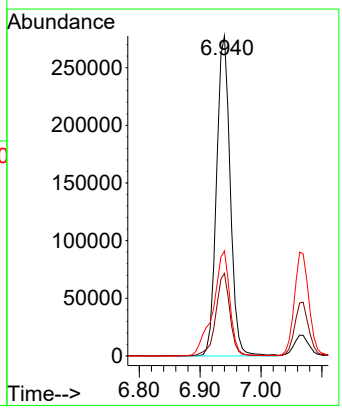


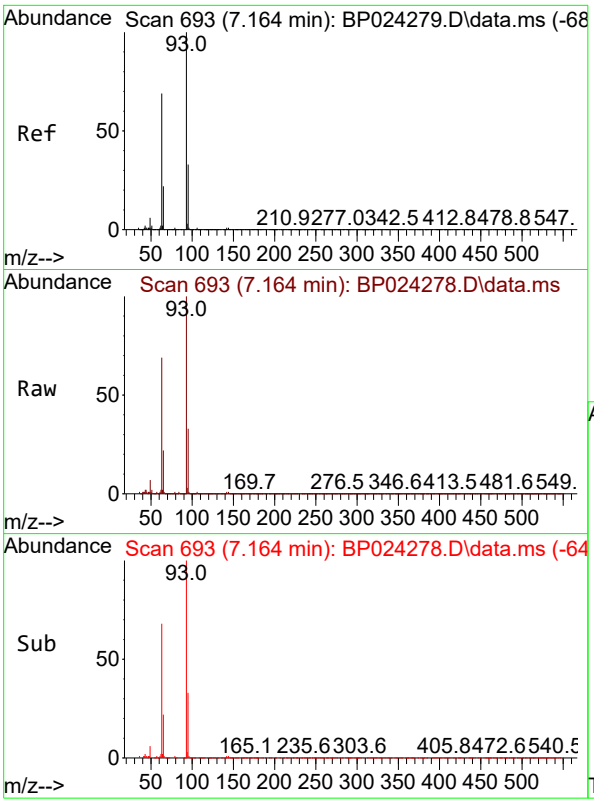


#10
Phenol
Concen: 20.670 ng
RT: 6.940 min Scan# 655
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion: 94 Resp: 433531

Ion	Ratio	Lower	Upper
94	100		
65	25.8	4.5	44.5
66	32.8	12.4	52.4



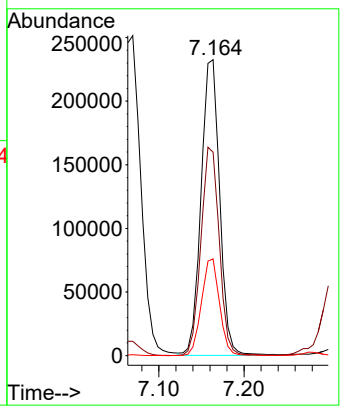


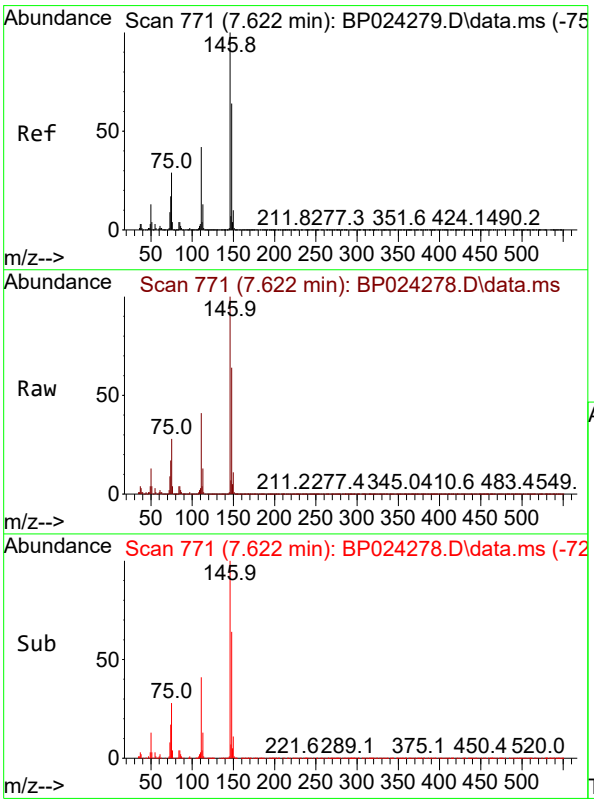
#11
bis(2-Chloroethyl)ether
Concen: 20.800 ng
RT: 7.164 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 352530

Ion	Ratio	Lower	Upper
93	100		
63	68.7	48.6	88.6
95	32.7	12.3	52.3

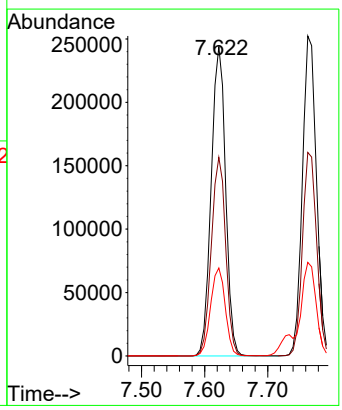


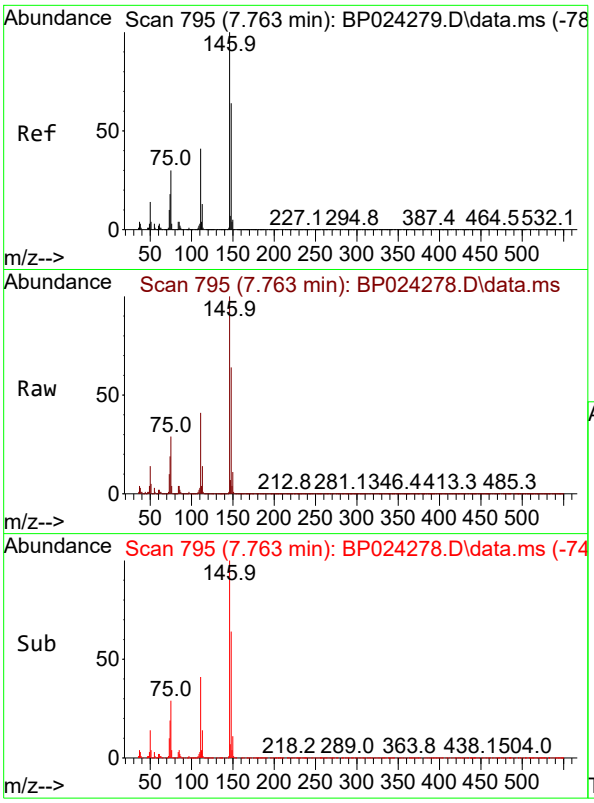


#12
1,3-Dichlorobenzene
Concen: 20.903 ng
RT: 7.622 min Scan# 771
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:146 Resp: 386470

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.4	77.0
75	28.4	22.9	34.3



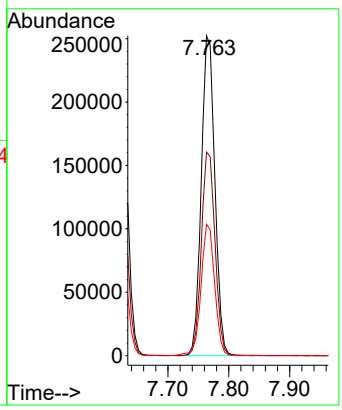


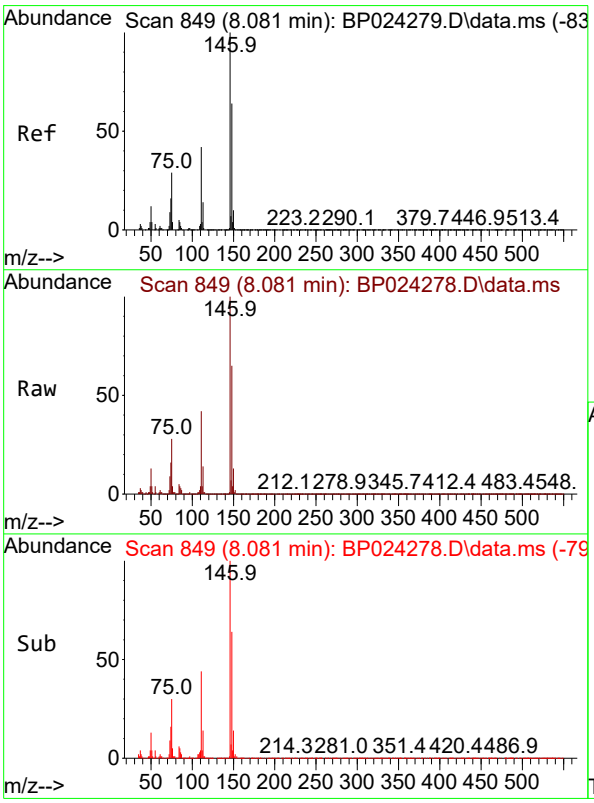
#13
1,4-Dichlorobenzene
Concen: 20.828 ng
RT: 7.763 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 390483

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.1	76.7
111	41.1	32.6	48.8

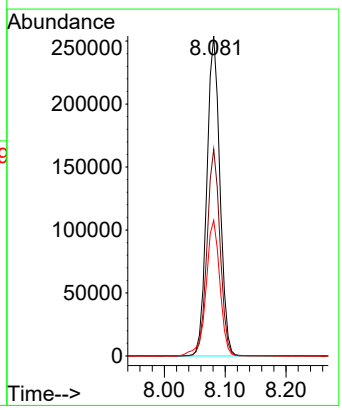


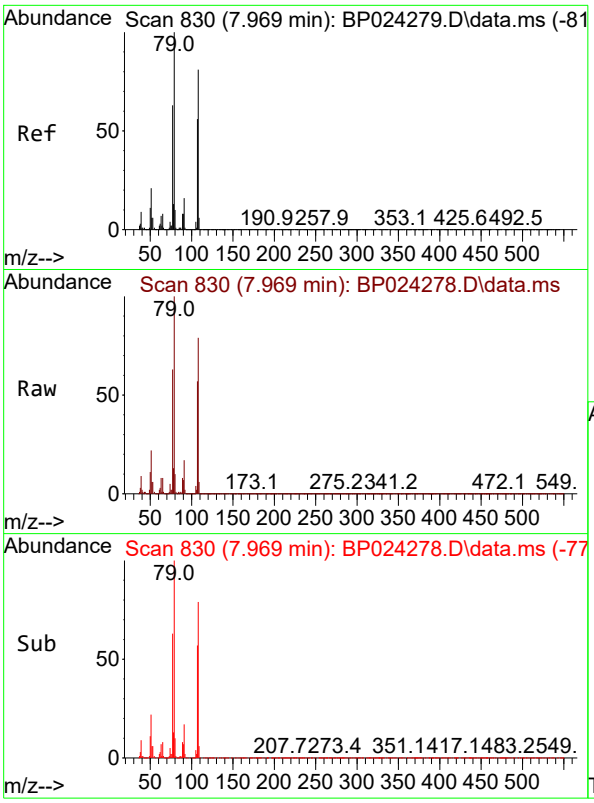


#14
1,2-Dichlorobenzene
Concen: 20.880 ng
RT: 8.081 min Scan# 849
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:146 Resp: 378518

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.0	76.4
111	42.3	33.8	50.8



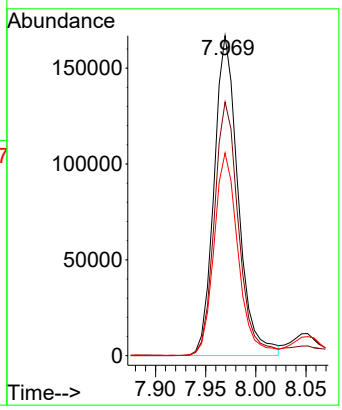


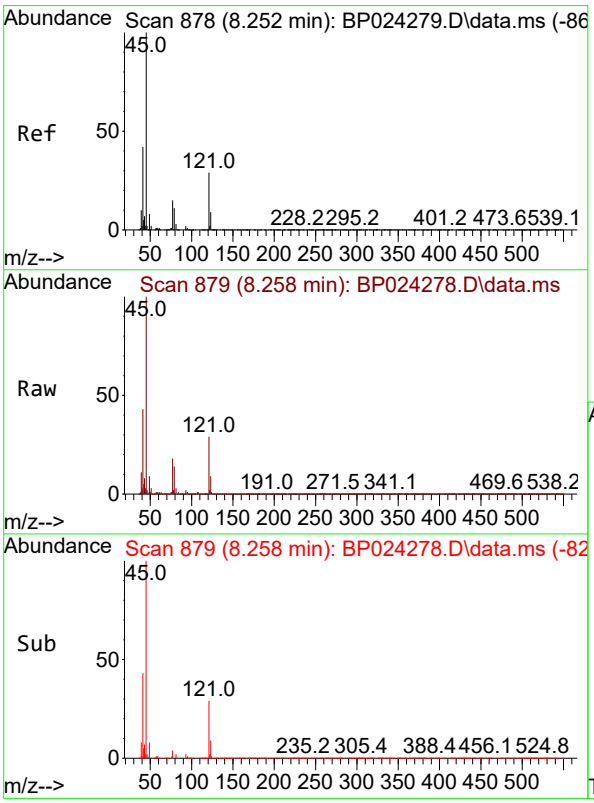
#15
Benzyl Alcohol
Concen: 20.809 ng
RT: 7.969 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 278608

Ion	Ratio	Lower	Upper
79	100		
108	79.3	65.1	97.7
77	63.4	50.7	76.1

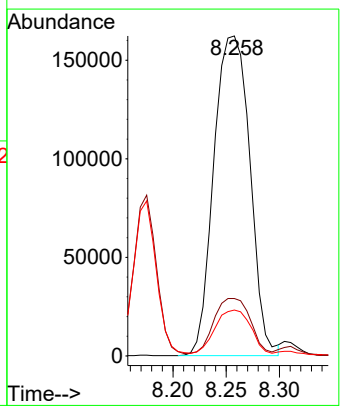


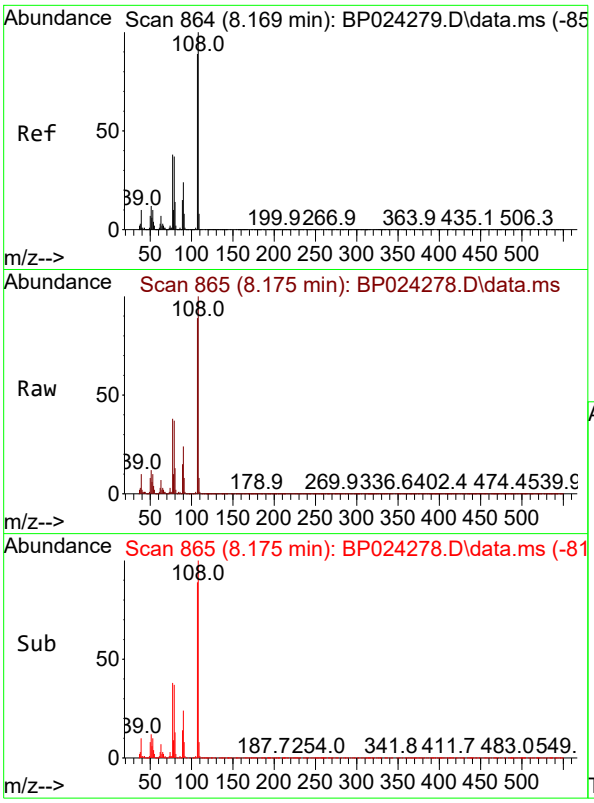


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.734 ng
RT: 8.258 min Scan# 879
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion: 45 Resp: 382308

Ion	Ratio	Lower	Upper
45	100		
77	18.0	0.0	37.7
79	14.4	0.0	33.5



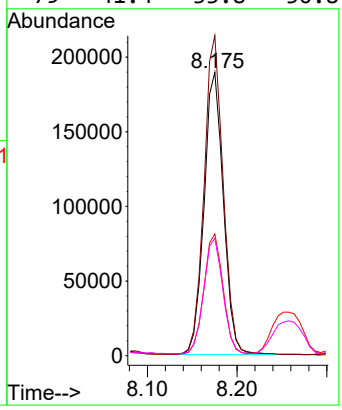


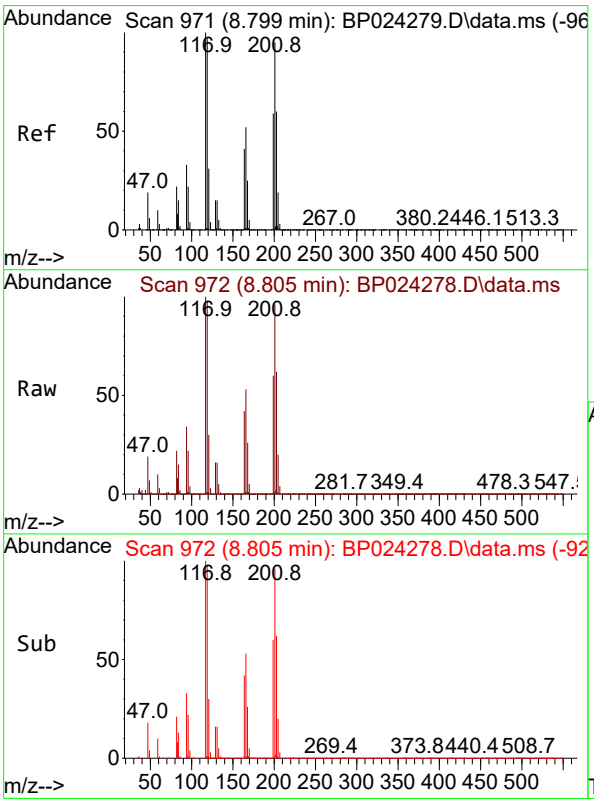
#17
2-Methylphenol
Concen: 20.942 ng
RT: 8.175 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 283057

Ion	Ratio	Lower	Upper
107	100		
108	112.9	89.8	134.6
77	43.0	34.2	51.4
79	41.4	33.8	50.8

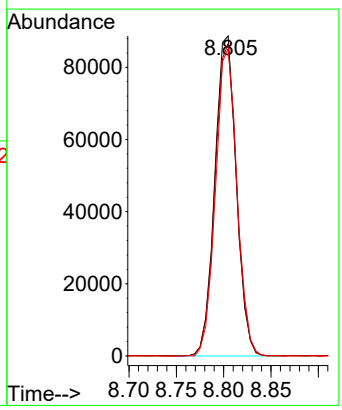


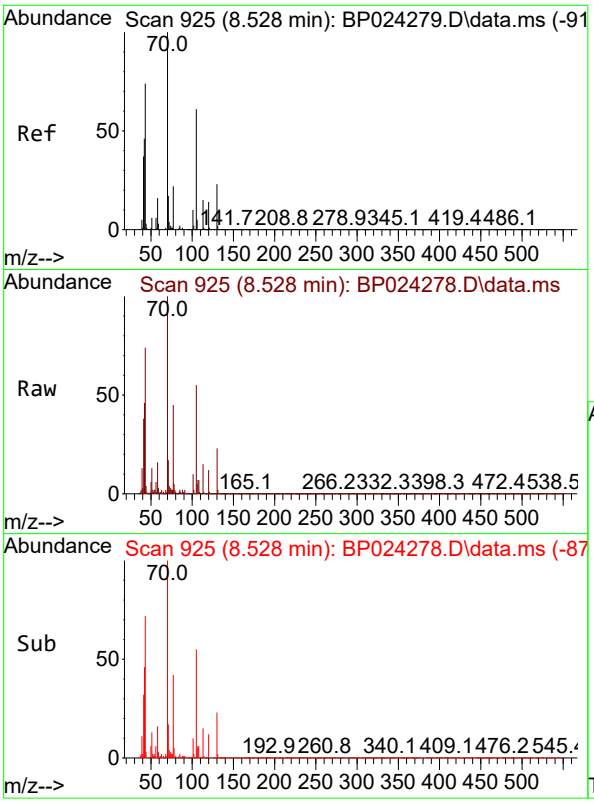


#18
Hexachloroethane
Concen: 20.773 ng
RT: 8.805 min Scan# 972
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:117 Resp: 140558

Ion	Ratio	Lower	Upper
117	100		
119	97.5	77.8	116.6
201	96.0	75.9	113.9



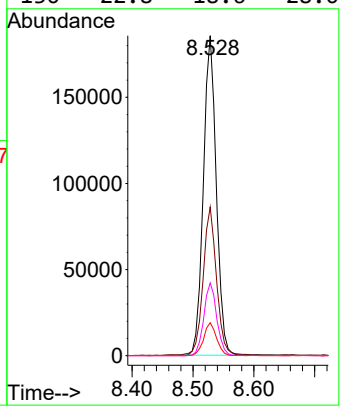


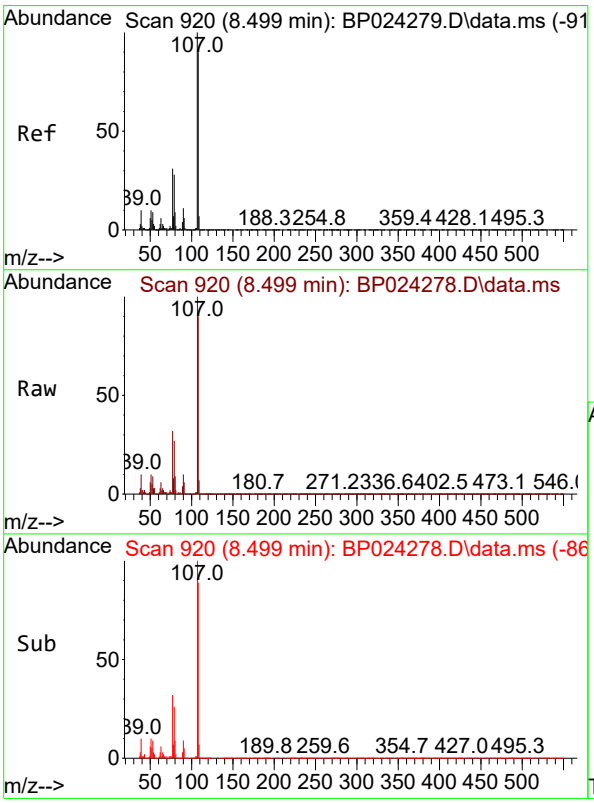
#19
n-Nitroso-di-n-propylamine
Concen: 21.127 ng
RT: 8.528 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 274118

Ion	Ratio	Lower	Upper
70	100		
42	46.5	37.3	55.9
101	10.3	8.2	12.4
130	22.8	18.6	28.0

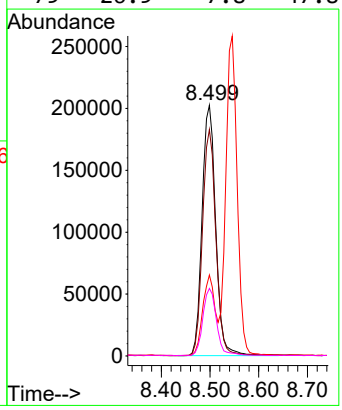


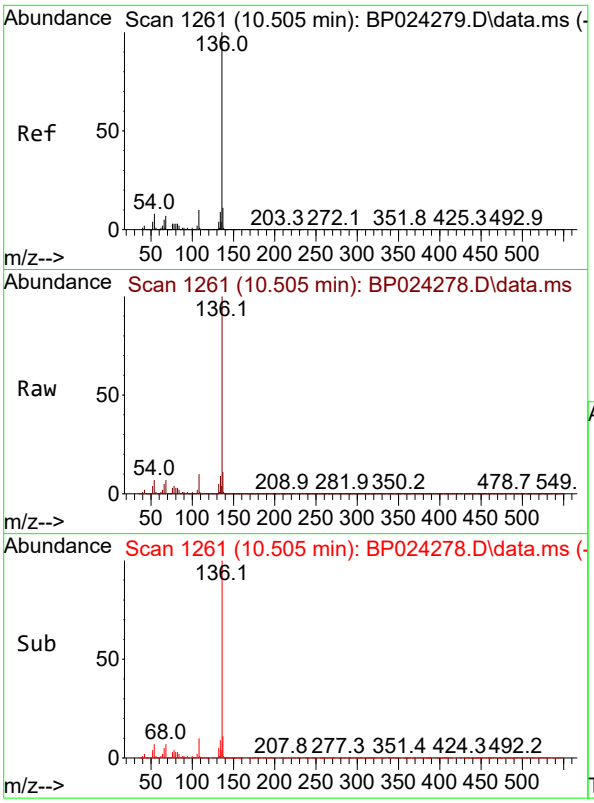


#20
3+4-Methylphenols
Concen: 20.999 ng
RT: 8.499 min Scan# 920
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:107 Resp: 393131

Ion	Ratio	Lower	Upper
107	100		
108	90.3	69.8	109.8
77	32.3	11.5	51.5
79	26.9	7.8	47.8



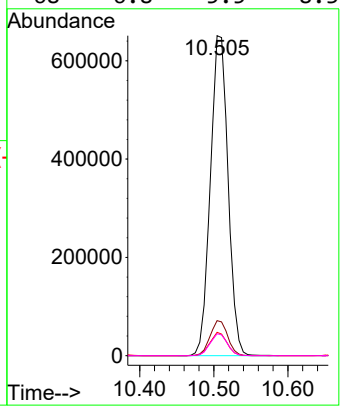


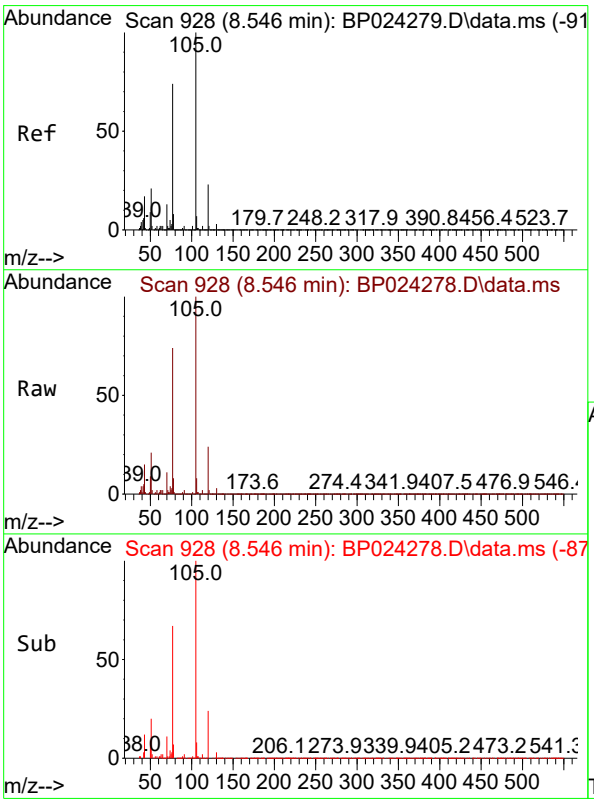
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 1081087

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	7.3	6.0	9.0
68	6.8	5.5	8.3

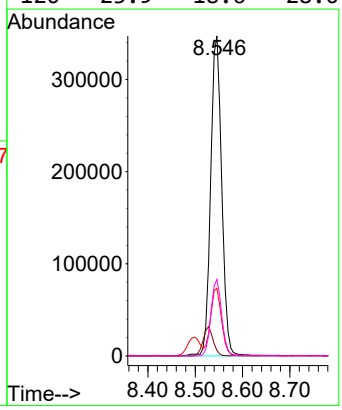


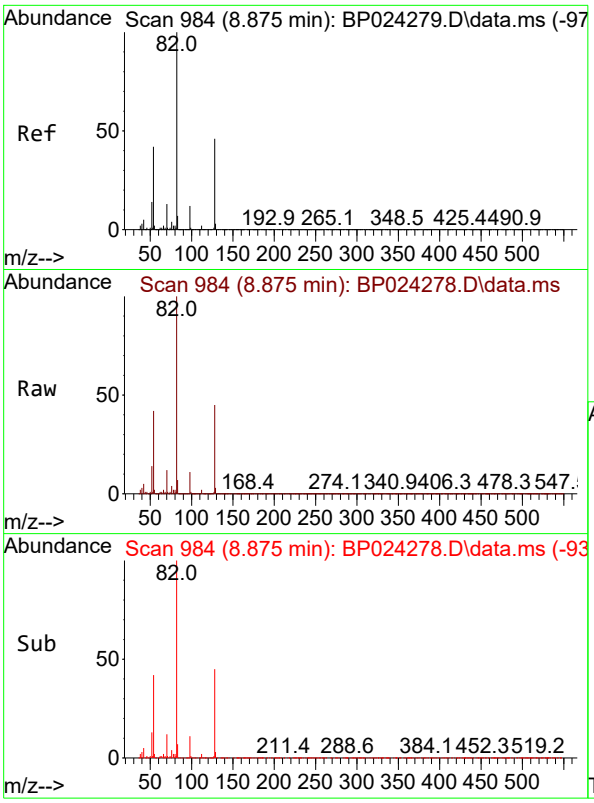


#22
Acetophenone
Concen: 20.991 ng
RT: 8.546 min Scan# 928
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:105 Resp: 563994

Ion	Ratio	Lower	Upper
105	100		
71	1.7	1.7	2.5
51	21.2	16.9	25.3
120	23.9	18.6	28.0



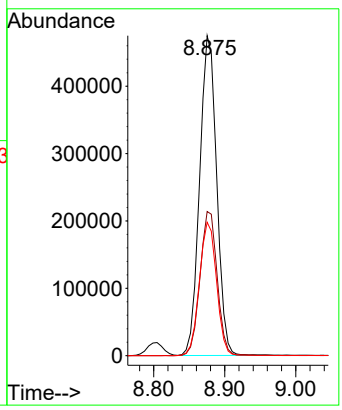


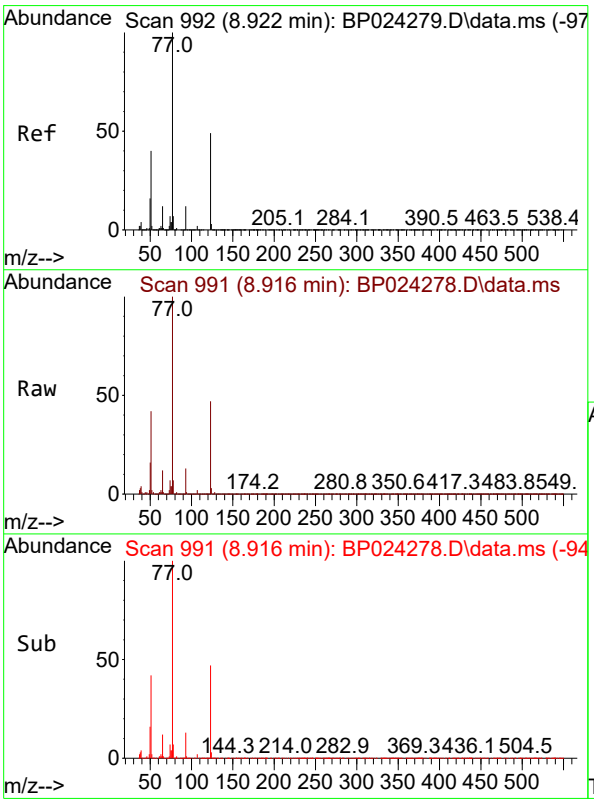
#23
Nitrobenzene-d5
Concen: 41.839 ng
RT: 8.875 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 794485

Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.5	54.7
54	41.7	33.4	50.2

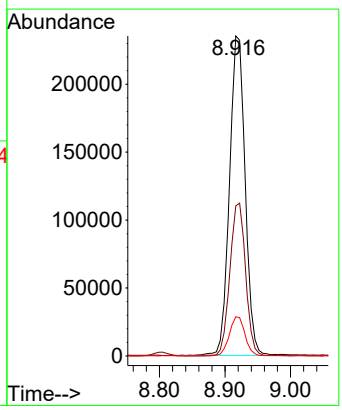


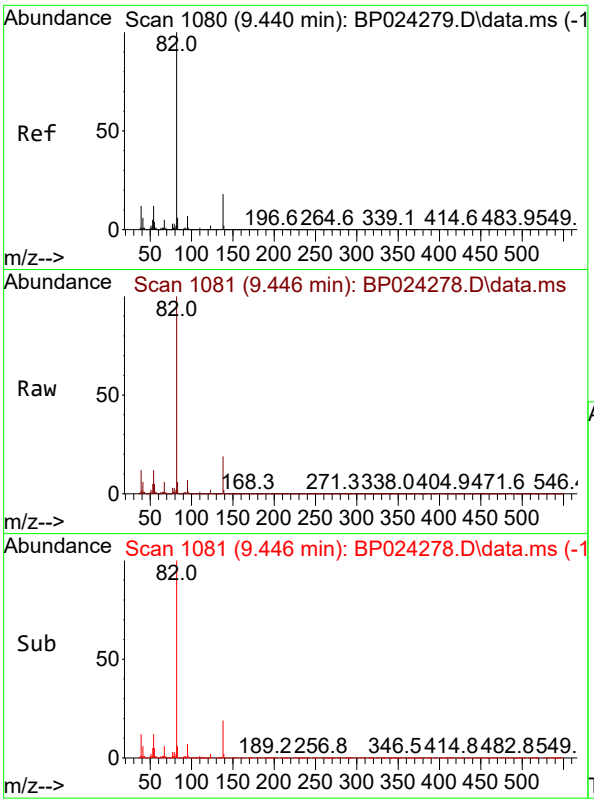


#24
Nitrobenzene
Concen: 20.770 ng
RT: 8.916 min Scan# 991
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion: 77 Resp: 390911

Ion	Ratio	Lower	Upper
77	100		
123	46.9	39.2	58.8
65	12.3	9.8	14.6



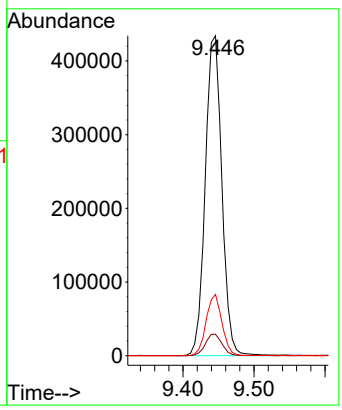


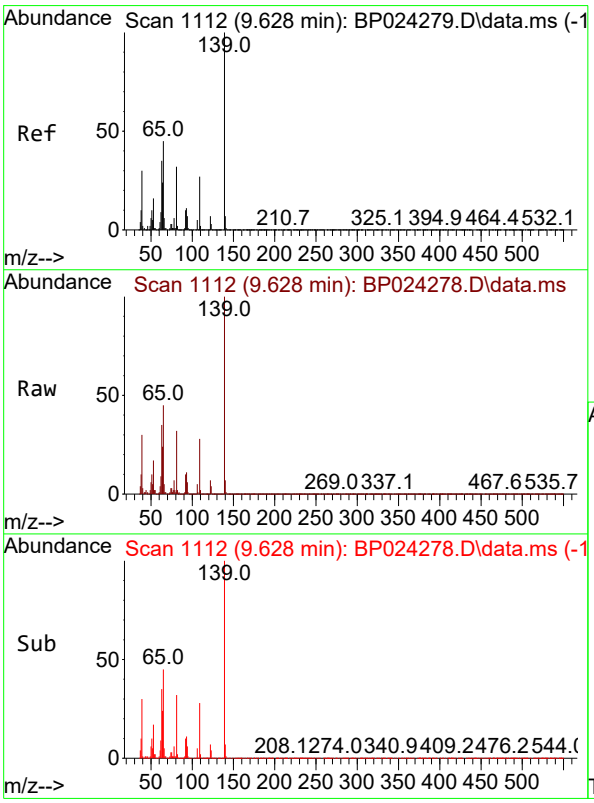
#25
Isophorone
Concen: 20.588 ng
RT: 9.446 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 705771

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.4	8.2
138	19.2	14.4	21.6

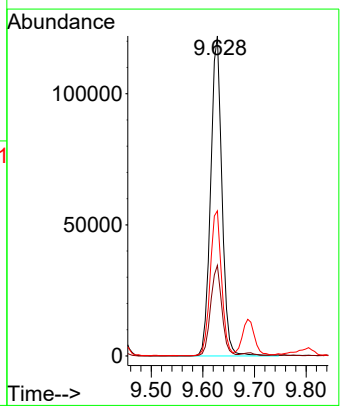


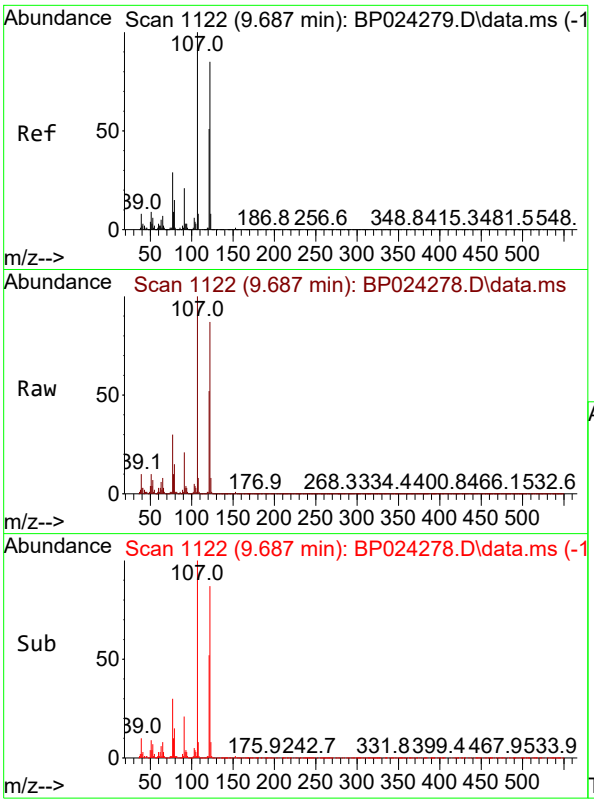


#26
2-Nitrophenol
Concen: 20.553 ng
RT: 9.628 min Scan# 1112
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:139 Resp: 185740

Ion	Ratio	Lower	Upper
139	100		
109	28.3	21.8	32.6
65	45.4	36.2	54.2



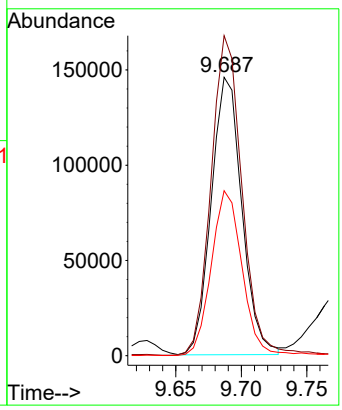


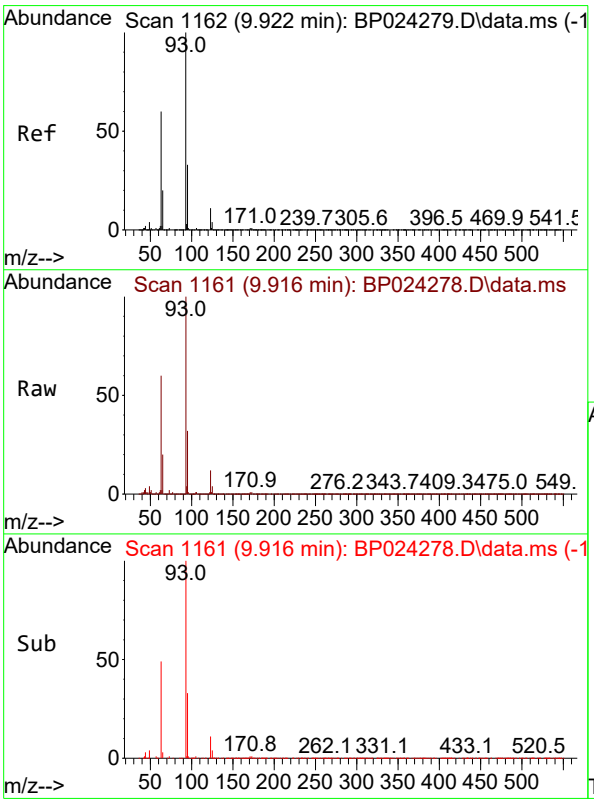
#27
2,4-Dimethylphenol
Concen: 20.643 ng
RT: 9.687 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 236436

Ion	Ratio	Lower	Upper
122	100		
107	114.9	93.7	140.5
121	59.2	48.2	72.2

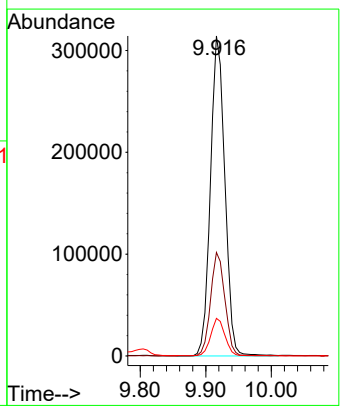


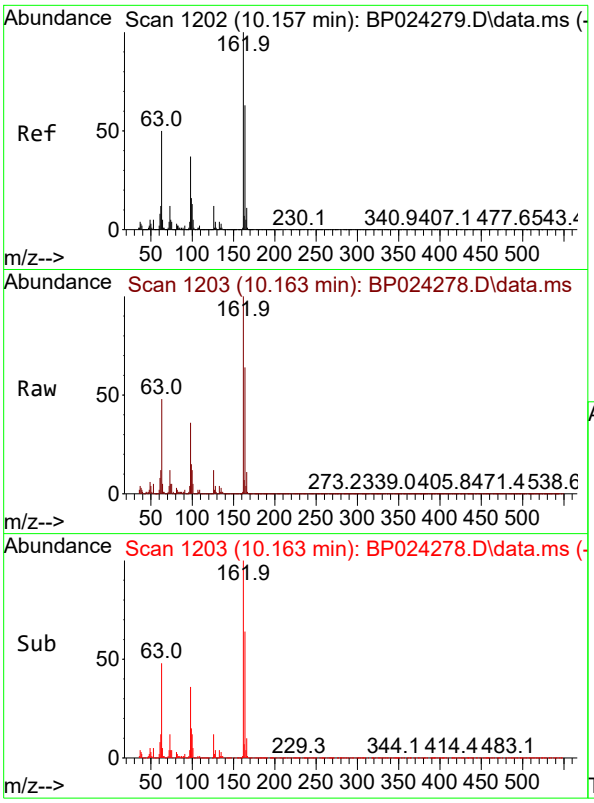


#28
bis(2-Chloroethoxy)methane
Concen: 20.575 ng
RT: 9.916 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion: 93 Resp: 480036

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.0	39.0
123	11.8	9.1	13.7



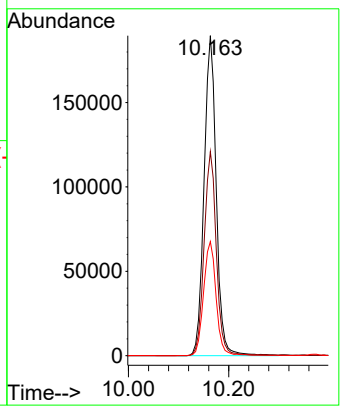


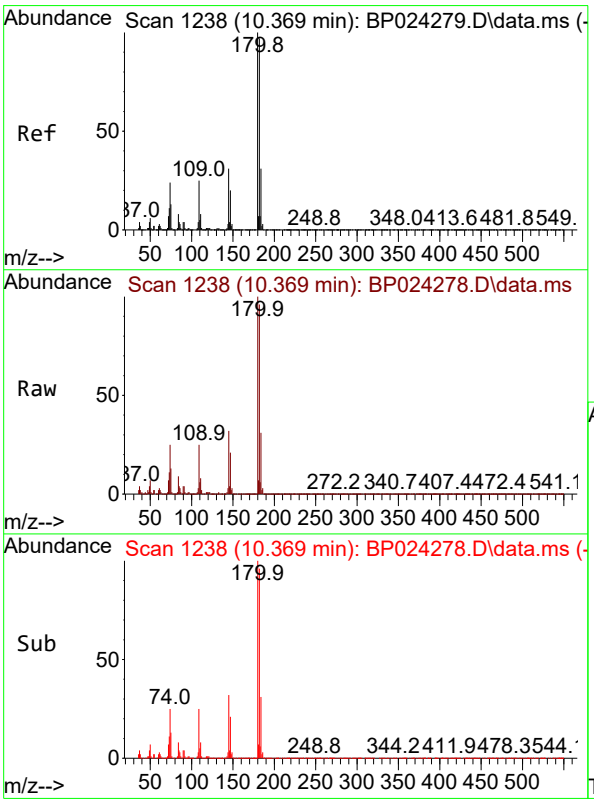
#29
2,4-Dichlorophenol
Concen: 20.536 ng
RT: 10.163 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 320579

Ion	Ratio	Lower	Upper
162	100		
164	63.7	43.3	83.3
98	35.6	16.6	56.6

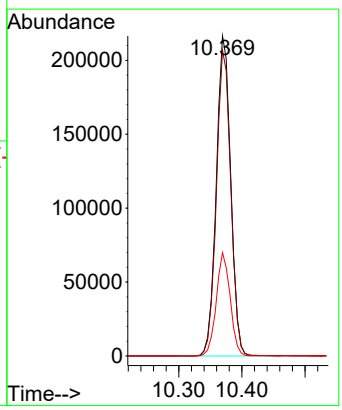


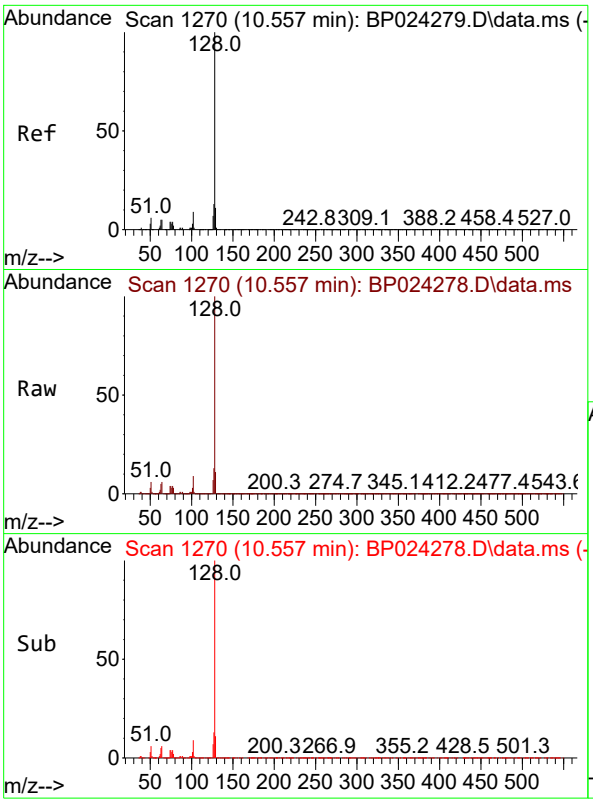


#30
1,2,4-Trichlorobenzene
Concen: 20.348 ng
RT: 10.369 min Scan# 1238
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:180 Resp: 343641

Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.3	115.9
145	32.3	25.1	37.7



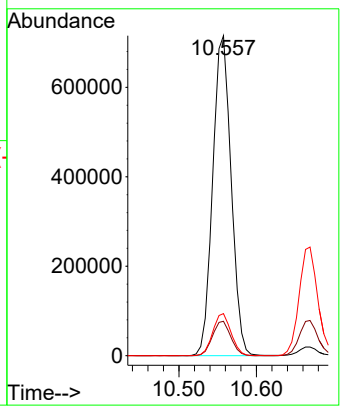


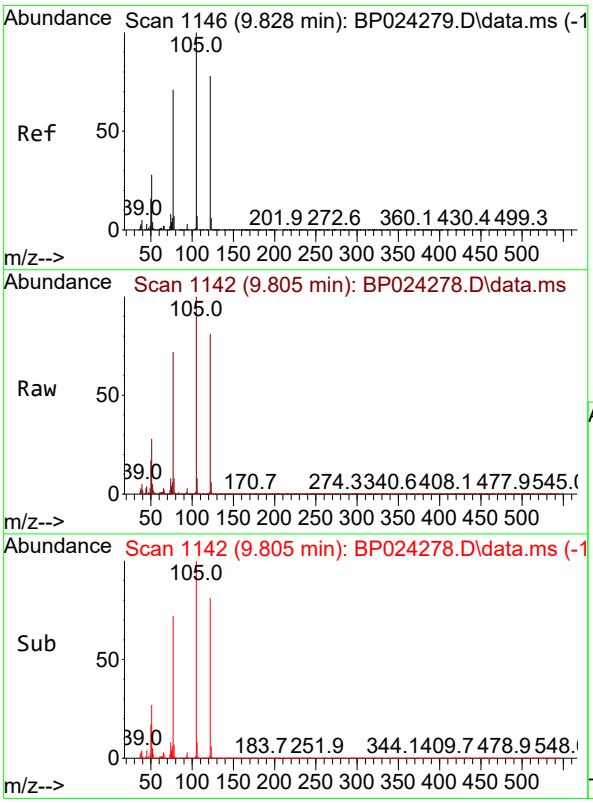
#31
Naphthalene
Concen: 20.618 ng
RT: 10.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 1179848

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	13.2	10.3	15.5

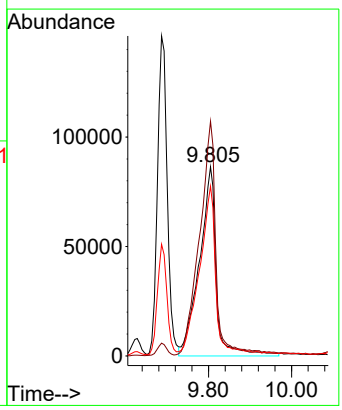


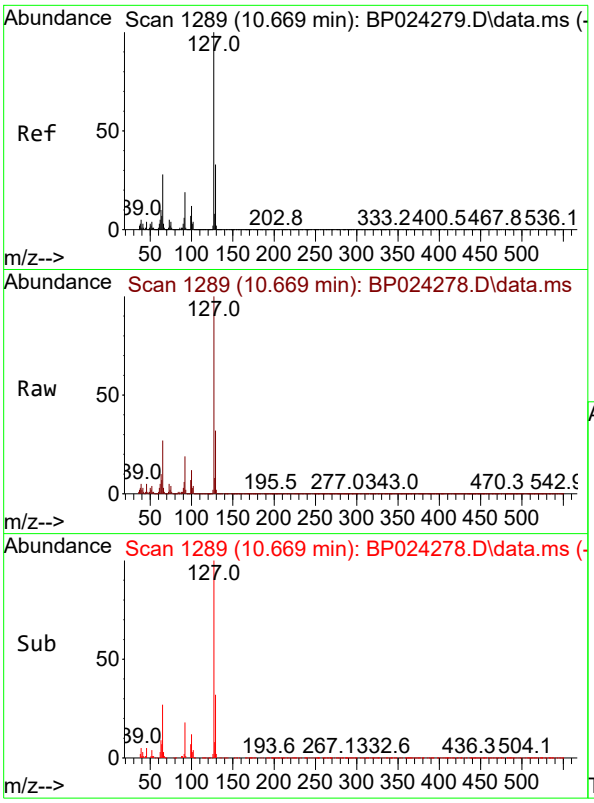


#32
Benzoic acid
Concen: 19.731 ng m
RT: 9.805 min Scan# 1142
Delta R.T. -0.024 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:122 Resp: 244213

Ion	Ratio	Lower	Upper
122	100		
105	124.1	104.8	144.8
77	89.8	69.2	109.2



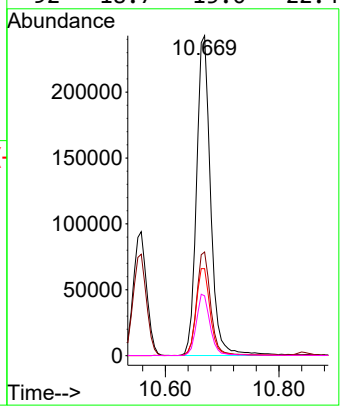


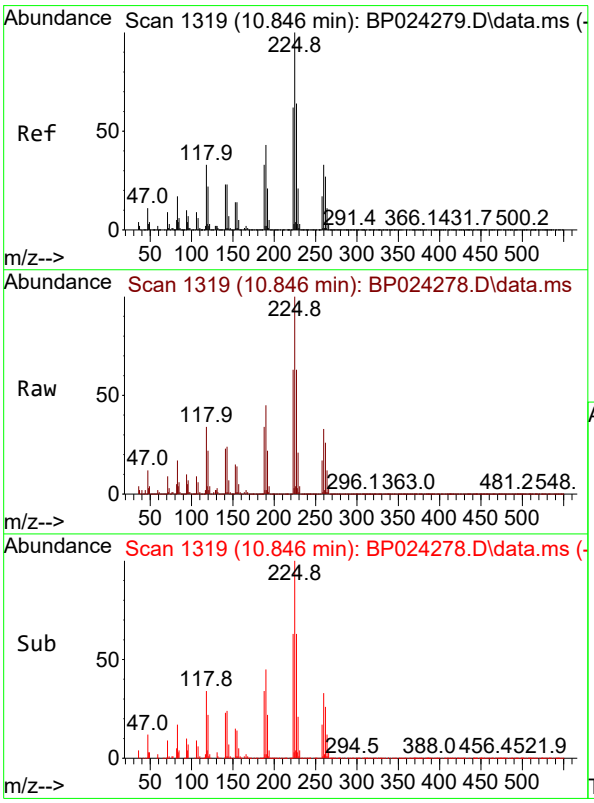
#33
4-Chloroaniline
Concen: 21.010 ng
RT: 10.669 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 420086

Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.1	39.1
65	27.2	22.1	33.1
92	18.7	15.0	22.4

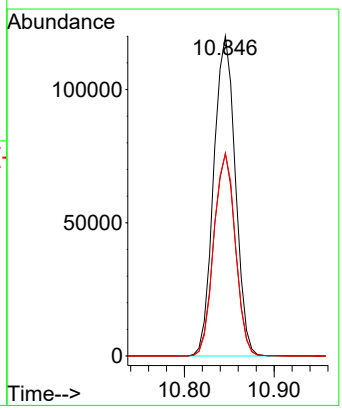


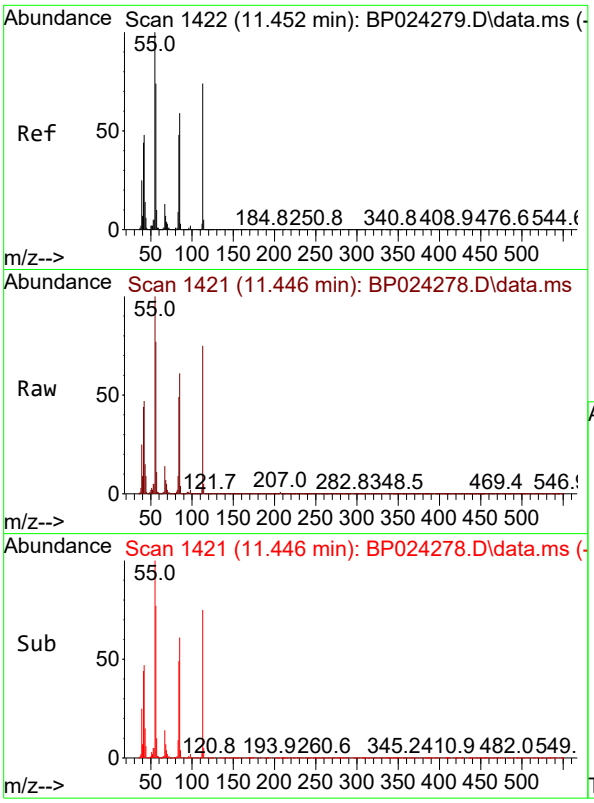


#34
Hexachlorobutadiene
Concen: 20.267 ng
RT: 10.846 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:225 Resp: 200785

Ion	Ratio	Lower	Upper
225	100		
223	63.4	49.5	74.3
227	63.3	50.9	76.3



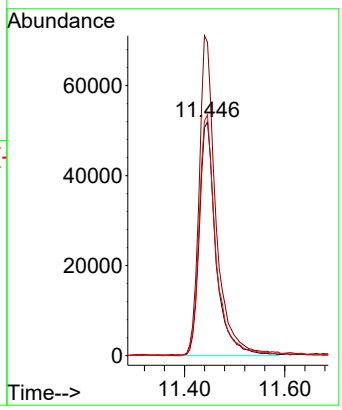


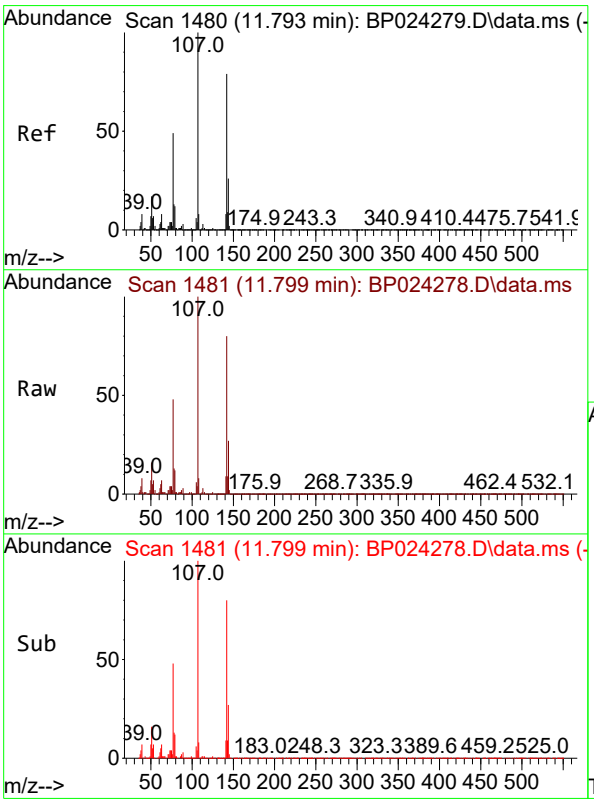
#35
Caprolactam
Concen: 20.922 ng
RT: 11.446 min Scan# 14
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 119912

Ion	Ratio	Lower	Upper
113	100		
55	134.1	115.9	155.9
56	103.0	81.1	121.1

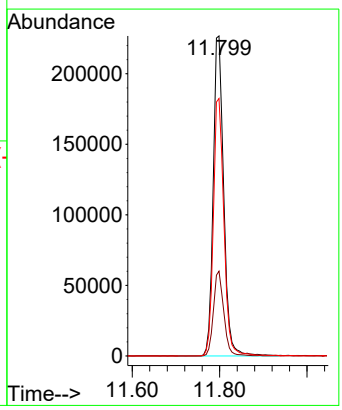


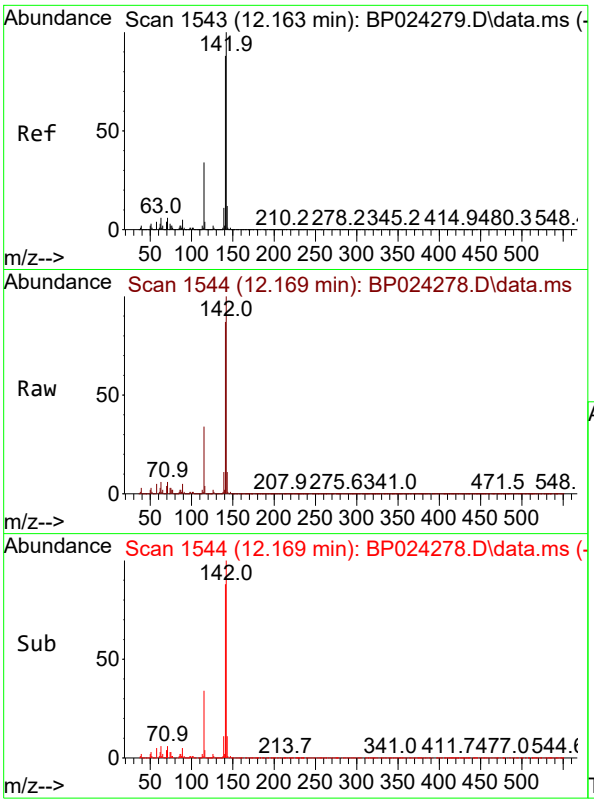


#36
4-Chloro-3-methylphenol
Concen: 20.767 ng
RT: 11.799 min Scan# 1481
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:107 Resp: 377768

Ion	Ratio	Lower	Upper
107	100		
144	26.5	20.5	30.7
142	80.4	63.4	95.2



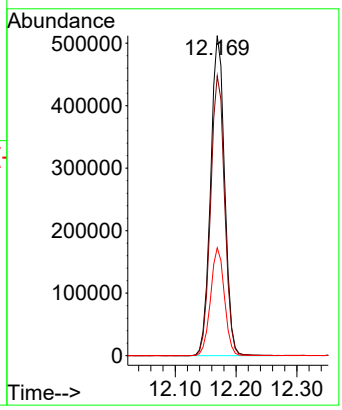


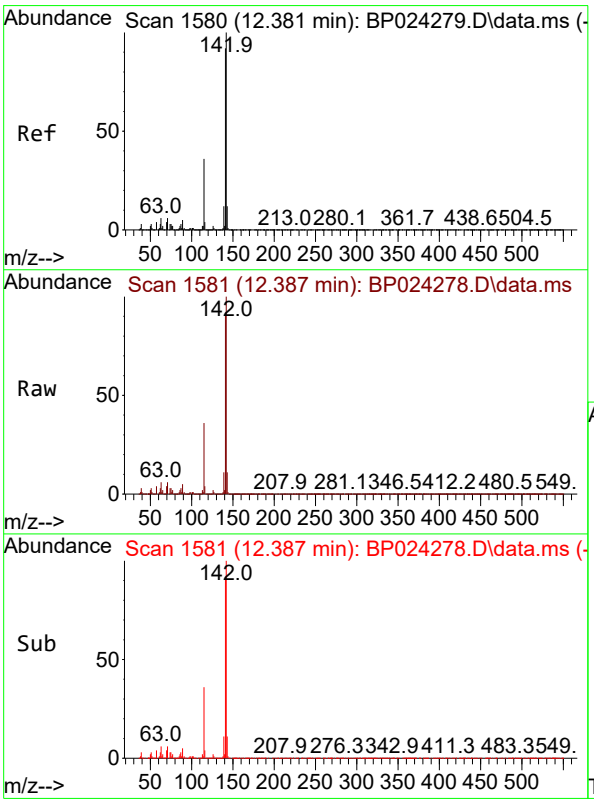
#37
2-Methylnaphthalene
Concen: 20.583 ng
RT: 12.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 816314

Ion	Ratio	Lower	Upper
142	100		
141	87.5	70.3	105.5
115	33.7	26.9	40.3

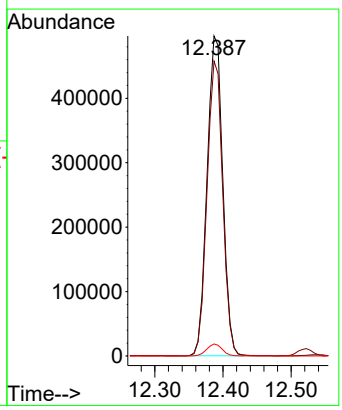


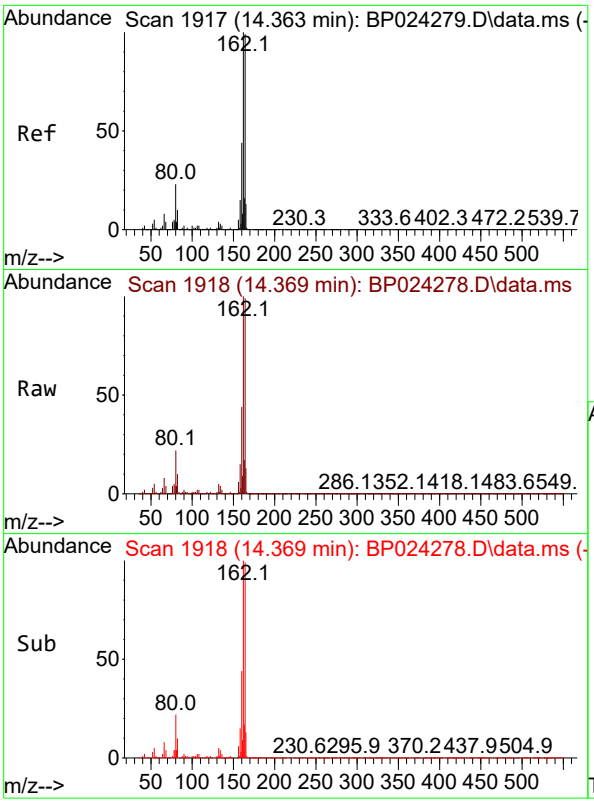


#38
1-Methylnaphthalene
Concen: 20.503 ng
RT: 12.387 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:142 Resp: 796550

Ion	Ratio	Lower	Upper
142	100		
141	92.2	73.6	110.4
116	3.8	3.0	4.6



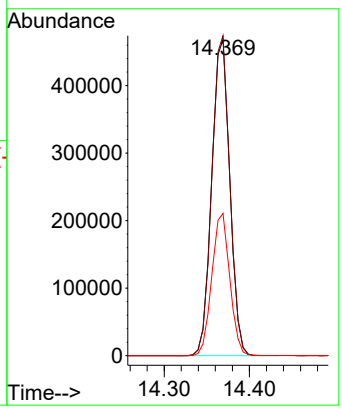


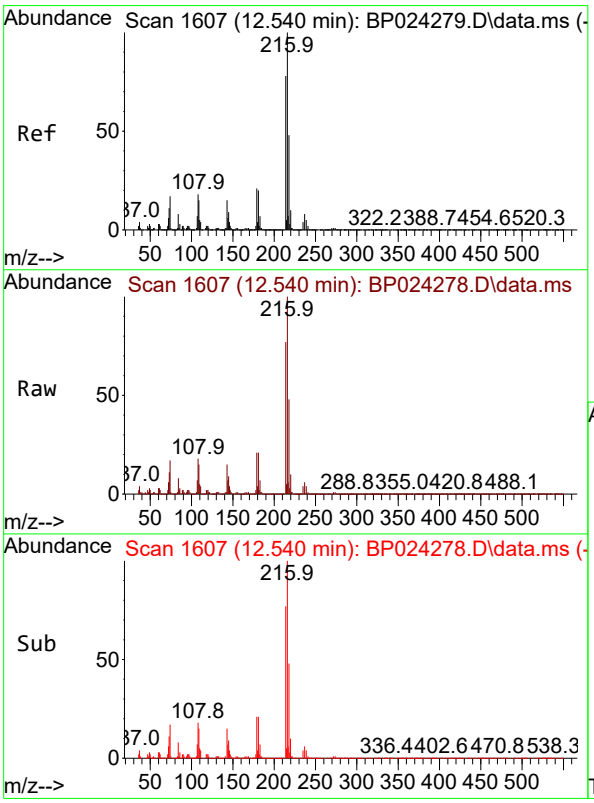
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.369 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 688775

Ion	Ratio	Lower	Upper
164	100		
162	101.2	80.6	120.8
160	45.0	35.3	52.9

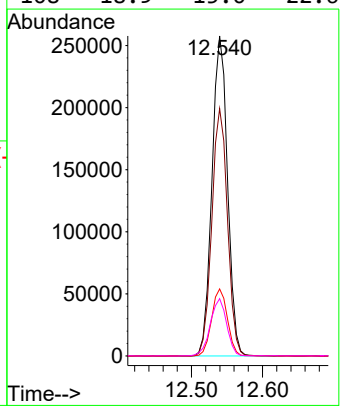


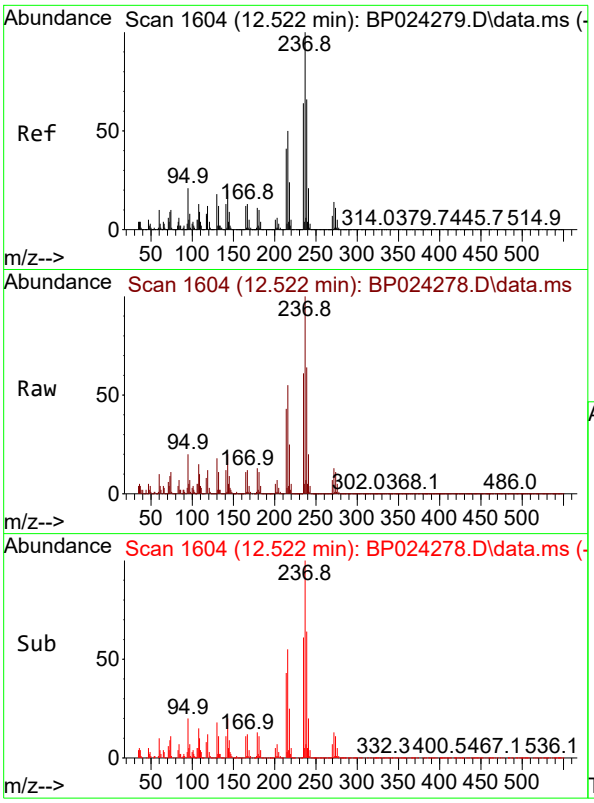


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.669 ng
RT: 12.540 min Scan# 1607
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:216 Resp: 391241

Ion	Ratio	Lower	Upper
216	100		
214	77.8	62.6	93.8
179	21.2	17.2	25.8
108	18.9	15.0	22.6



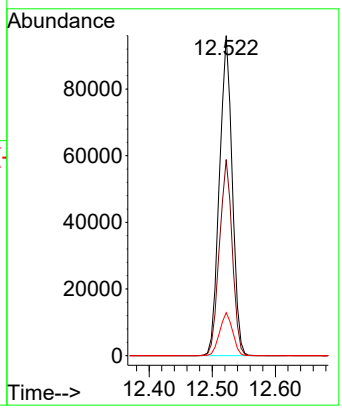


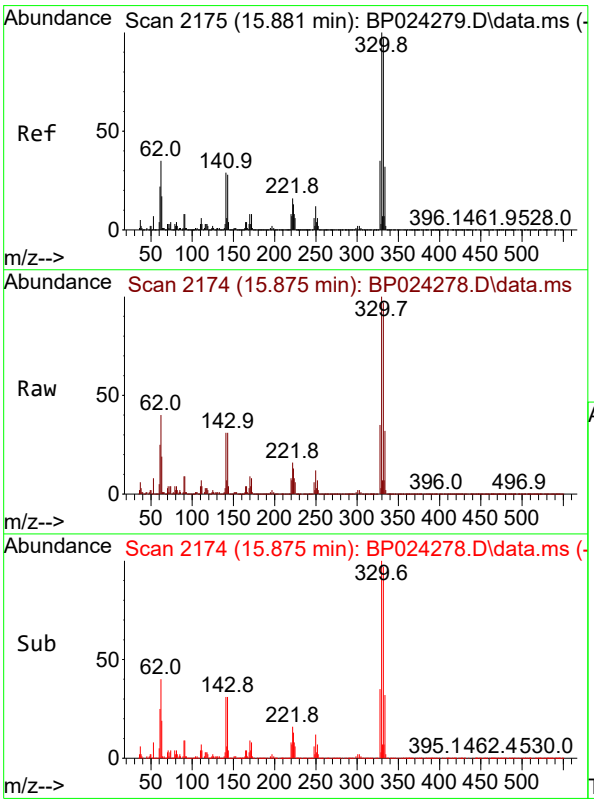
#41
Hexachlorocyclopentadiene
Concen: 20.414 ng
RT: 12.522 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 135654

Ion	Ratio	Lower	Upper
237	100		
235	61.3	43.9	83.9
272	13.5	0.0	33.6

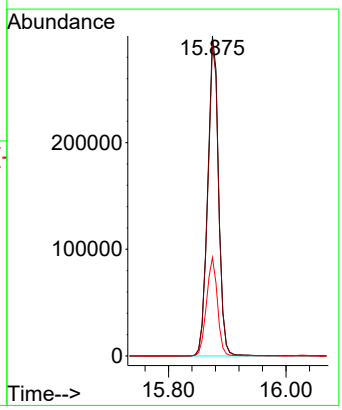


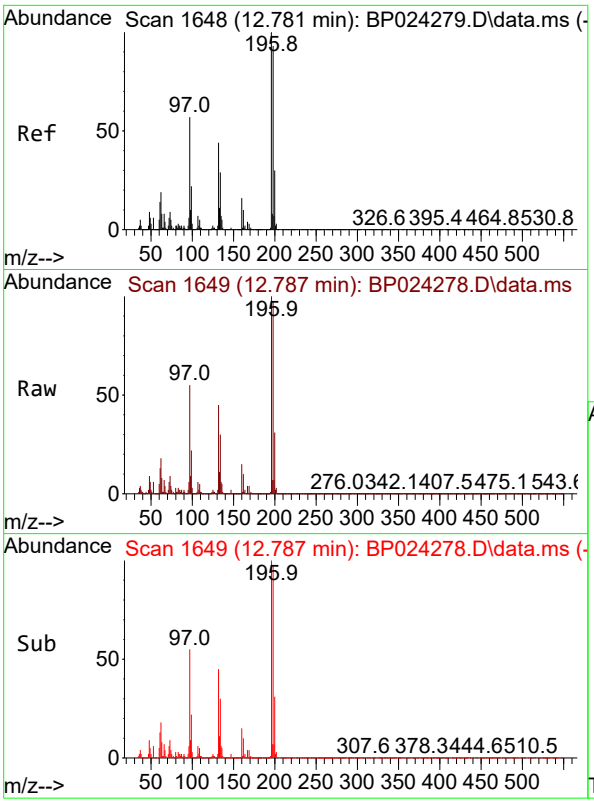


#42
2,4,6-Tribromophenol
Concen: 40.617 ng
RT: 15.875 min Scan# 2174
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:330 Resp: 383088

Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.1	115.7
141	30.9	24.7	37.1



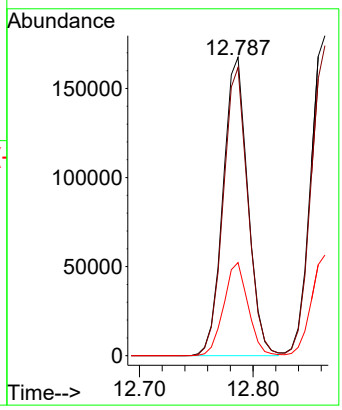


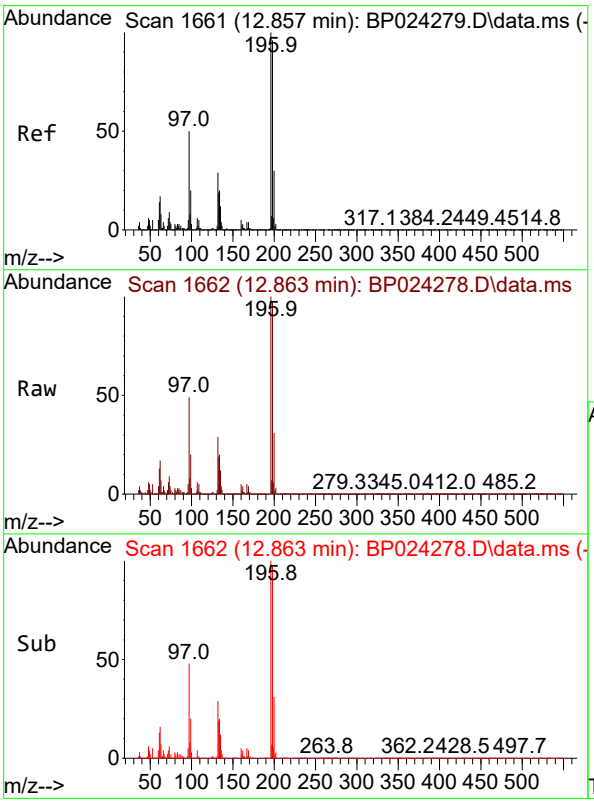
#43
2,4,6-Trichlorophenol
Concen: 20.410 ng
RT: 12.787 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 254189

Ion	Ratio	Lower	Upper
196	100		
198	96.6	74.3	111.5
200	31.2	24.0	36.0

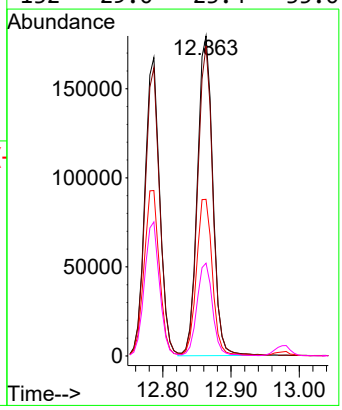


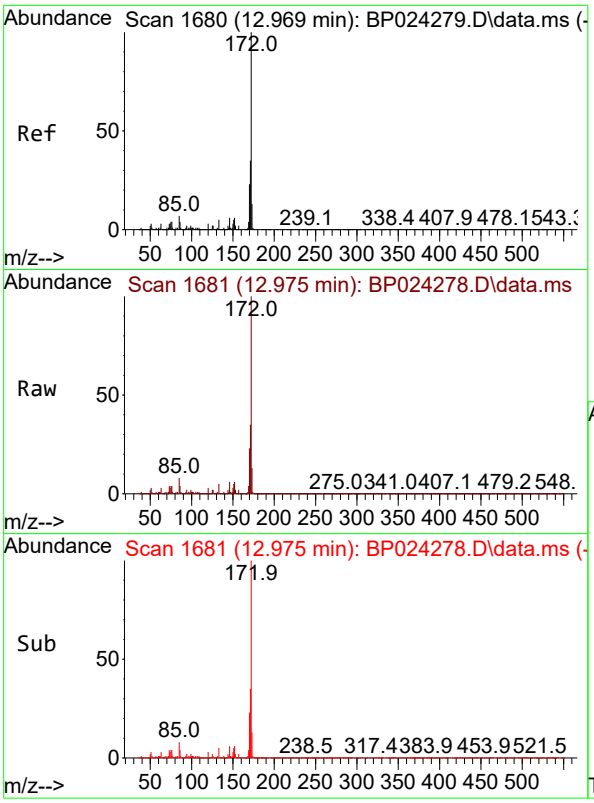


#44
2,4,5-Trichlorophenol
Concen: 20.424 ng
RT: 12.863 min Scan# 1662
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:196 Resp: 281887

Ion	Ratio	Lower	Upper
196	100		
198	96.9	77.3	115.9
97	48.9	40.4	60.6
132	29.0	23.4	35.0



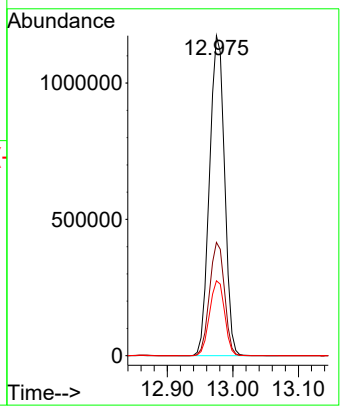


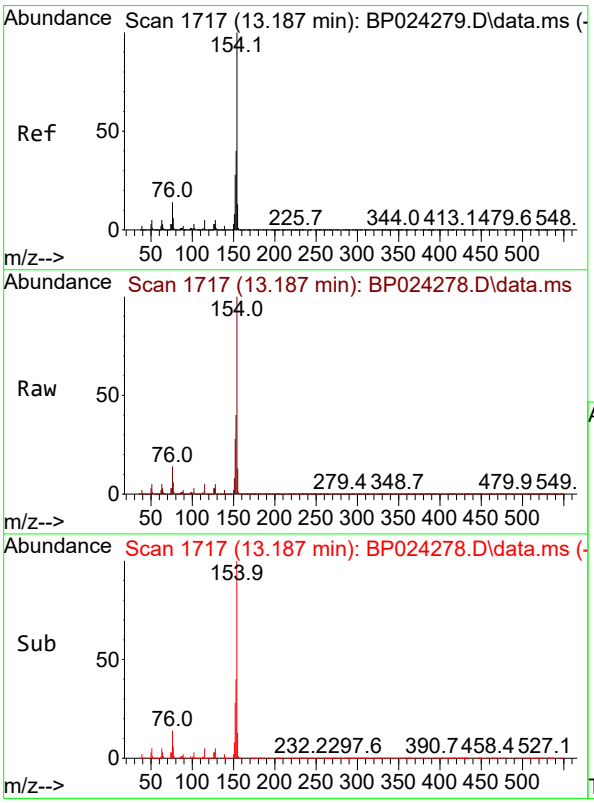
#45
2-Fluorobiphenyl
Concen: 41.254 ng
RT: 12.975 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 1871534

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.2	42.2
170	23.4	18.6	27.8

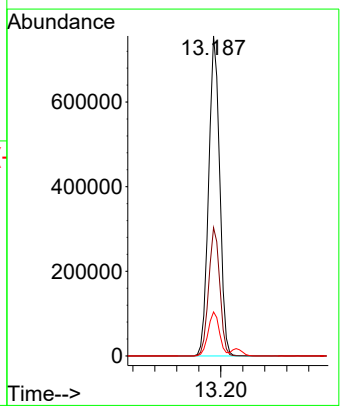


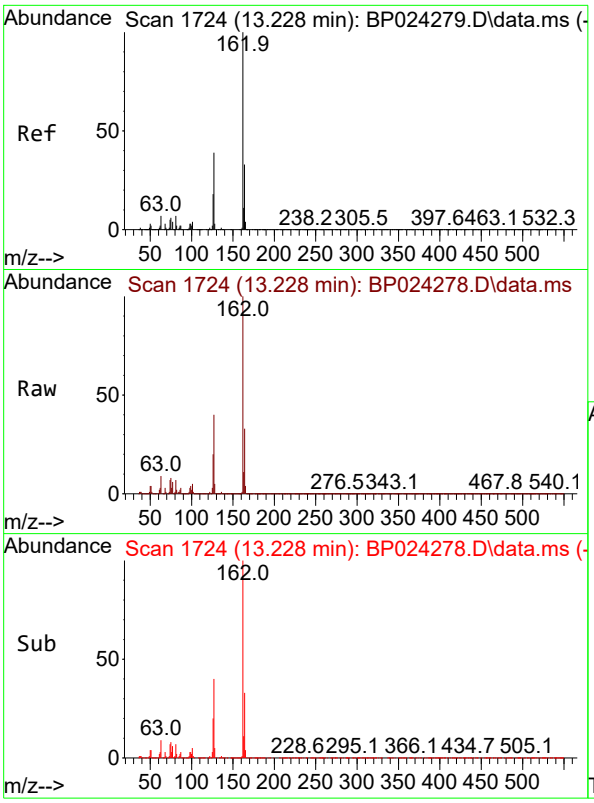


#46
1,1'-Biphenyl
Concen: 20.694 ng
RT: 13.187 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:154 Resp: 1052618

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.3	60.3
76	13.7	0.0	33.5



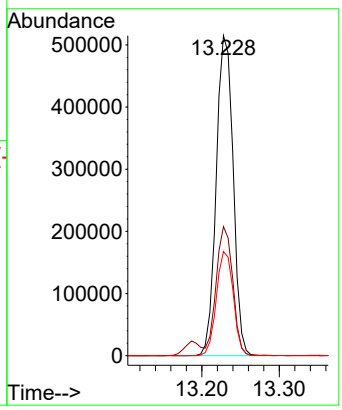


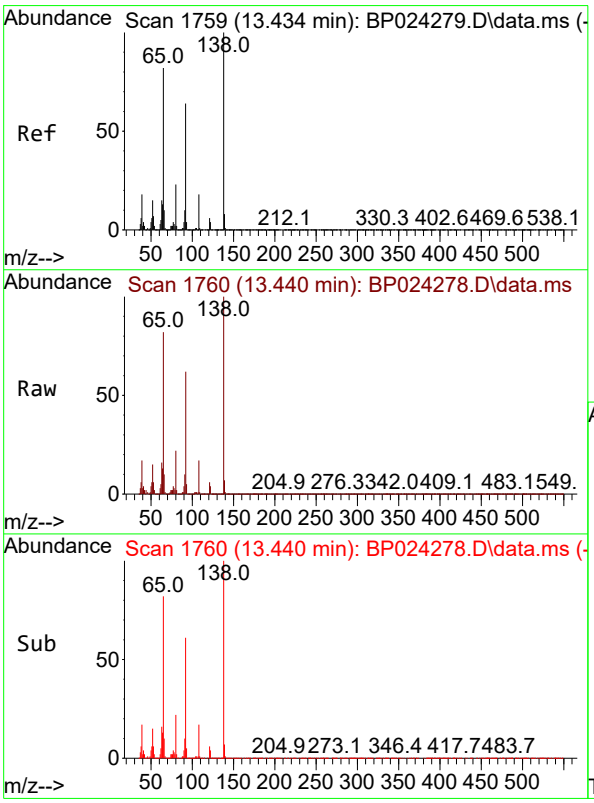
#47
2-Chloronaphthalene
Concen: 20.603 ng
RT: 13.228 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 782040

Ion	Ratio	Lower	Upper
162	100		
127	40.4	31.9	47.9
164	32.6	26.2	39.4

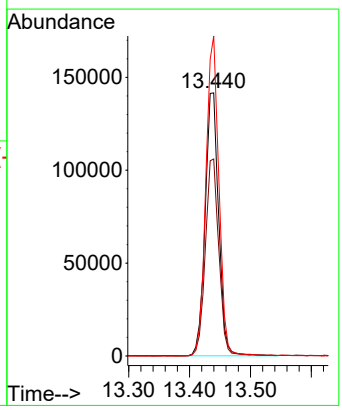


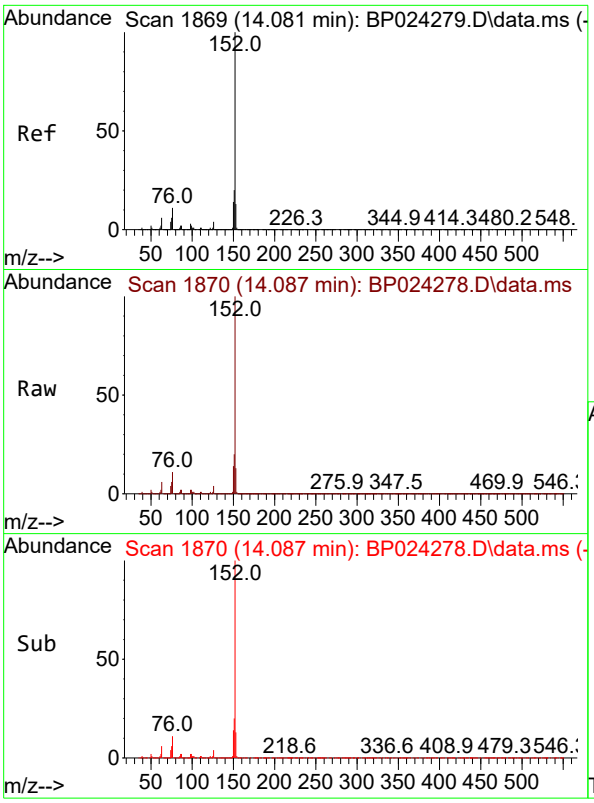


#48
2-Nitroaniline
Concen: 20.811 ng
RT: 13.440 min Scan# 1760
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion: 65 Resp: 218194

Ion	Ratio	Lower	Upper
65	100		
92	74.9	62.3	93.5
138	121.6	97.2	145.8



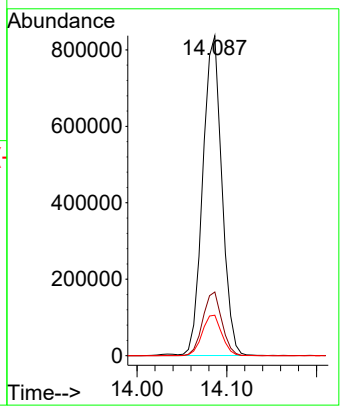


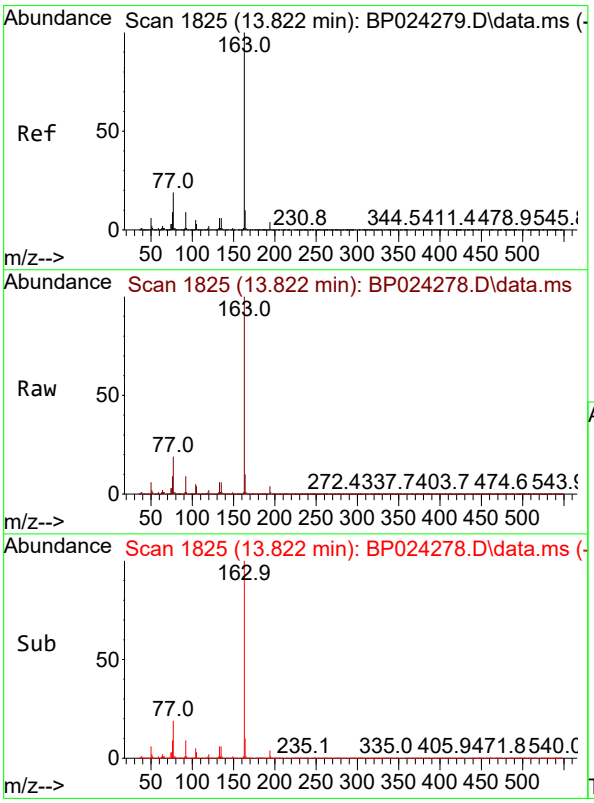
#49
Acenaphthylene
Concen: 20.726 ng
RT: 14.087 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 1234728

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	12.7	10.6	15.8

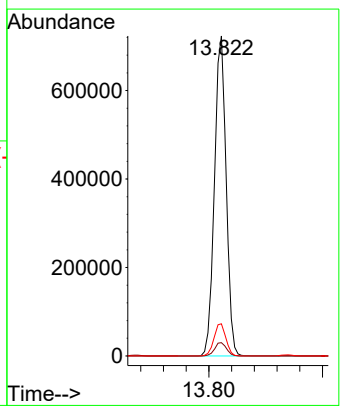


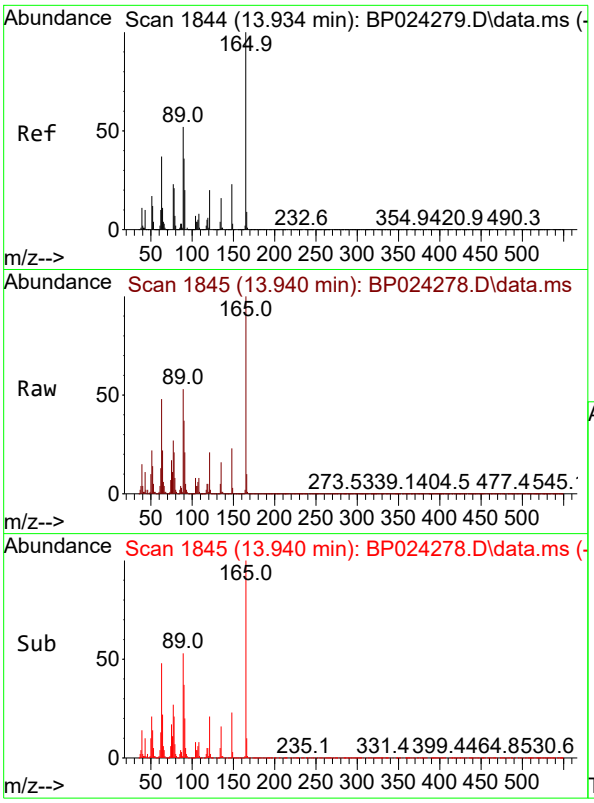


#50
Dimethylphthalate
Concen: 20.489 ng
RT: 13.822 min Scan# 1825
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:163 Resp: 1029599

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.5	5.3
164	10.1	8.0	12.0



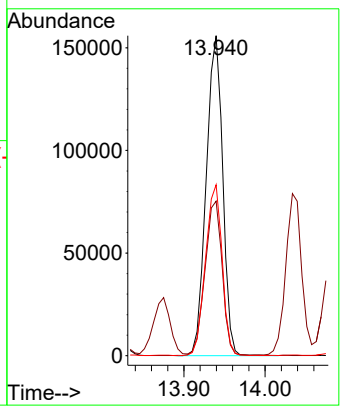


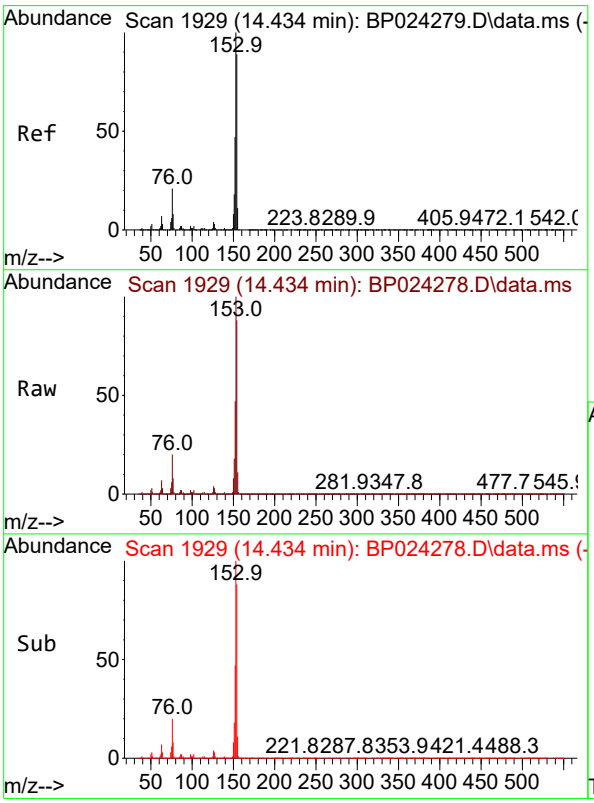
#51
2,6-Dinitrotoluene
Concen: 20.731 ng
RT: 13.940 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 219492

Ion	Ratio	Lower	Upper
165	100		
63	48.3	38.0	57.0
89	53.4	41.7	62.5

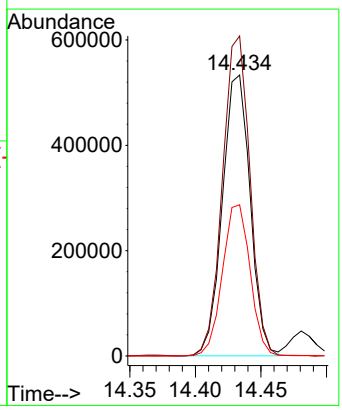


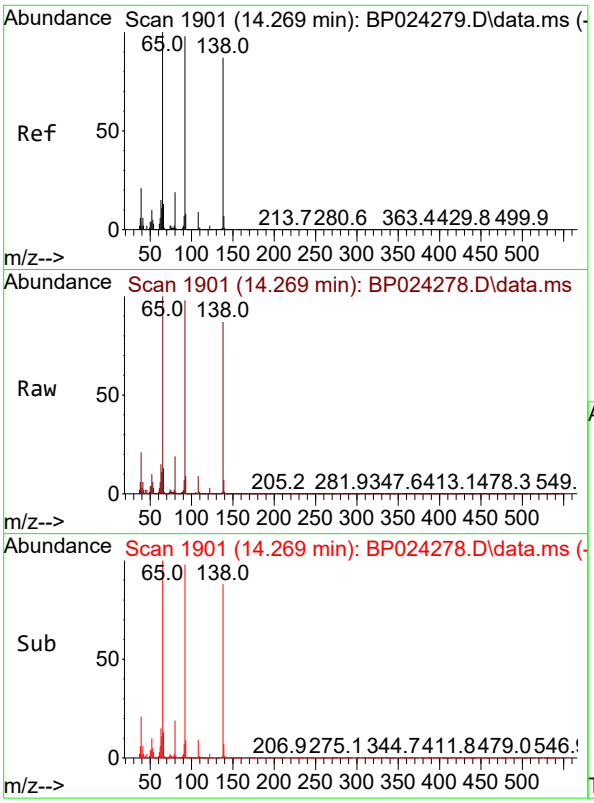


#52
Acenaphthene
Concen: 20.741 ng
RT: 14.434 min Scan# 1929
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:154 Resp: 785789

Ion	Ratio	Lower	Upper
154	100		
153	113.9	89.8	134.6
152	53.8	42.6	63.8



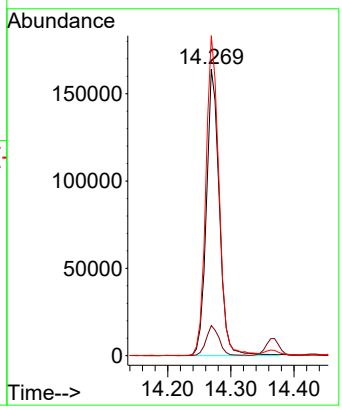


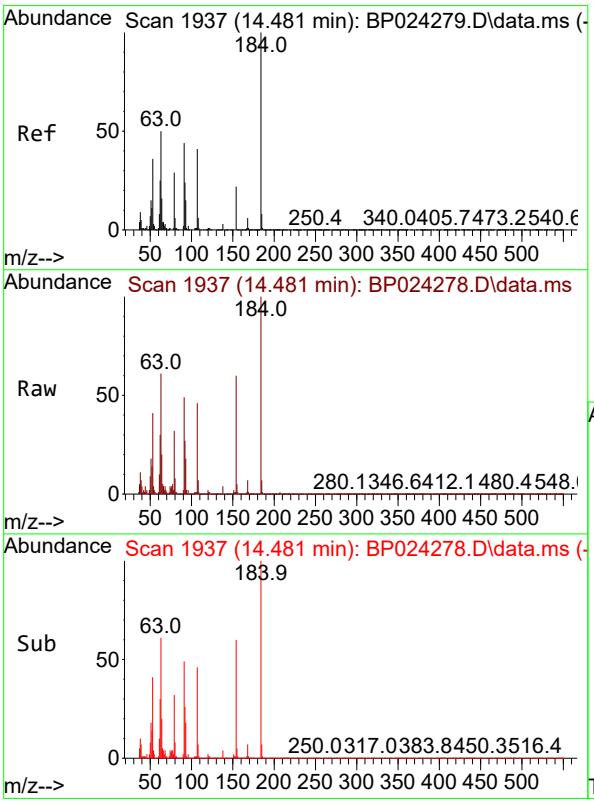
#53
3-Nitroaniline
Concen: 21.212 ng
RT: 14.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 233006

Ion	Ratio	Lower	Upper
138	100		
108	10.5	8.3	12.5
92	111.7	89.8	134.8

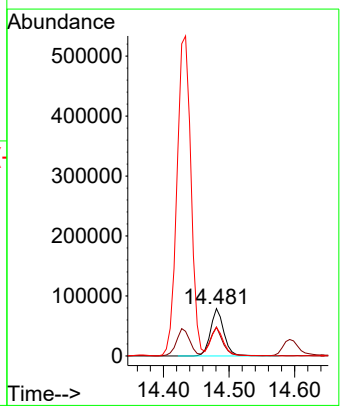


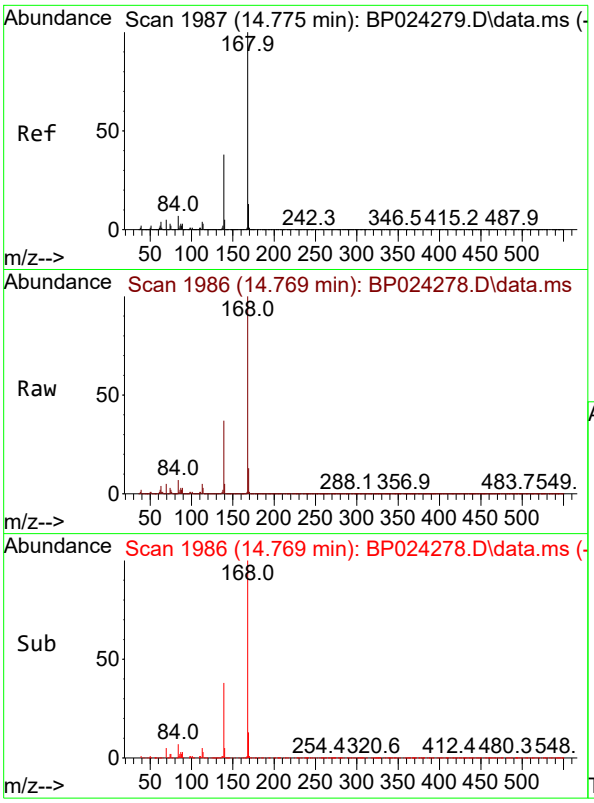


#54
2,4-Dinitrophenol
Concen: 19.785 ng
RT: 14.481 min Scan# 1937
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:184 Resp: 112157

Ion	Ratio	Lower	Upper
184	100		
63	61.0	42.6	64.0
154	60.0	47.2	70.8



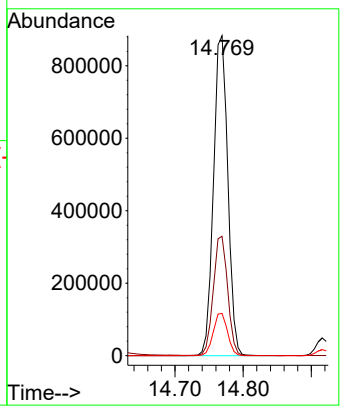


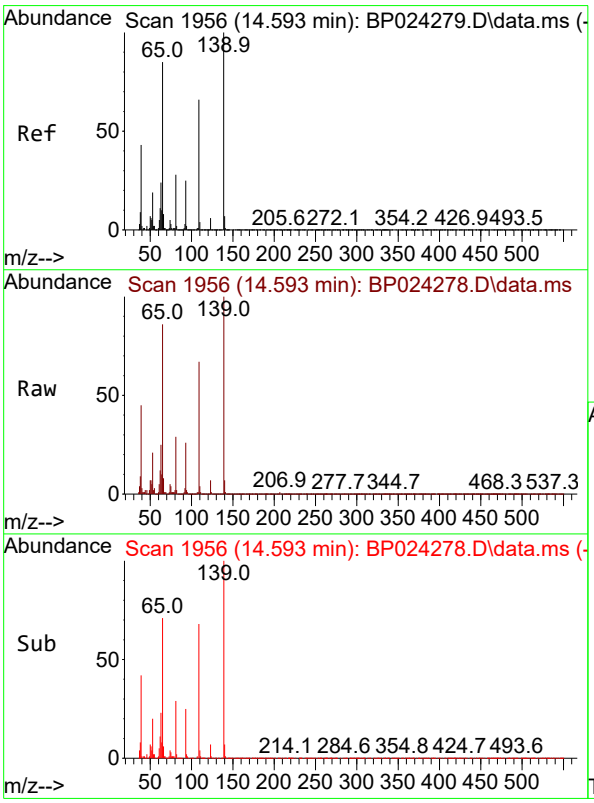
#55
Dibenzofuran
Concen: 20.735 ng
RT: 14.769 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 1288363

Ion	Ratio	Lower	Upper
168	100		
139	37.3	30.3	45.5
169	13.2	10.6	16.0

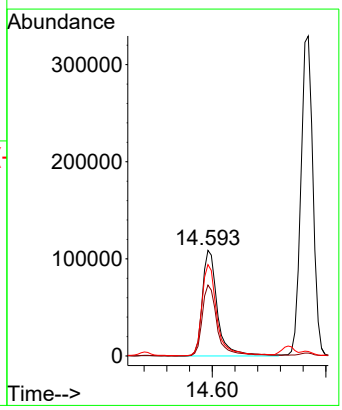


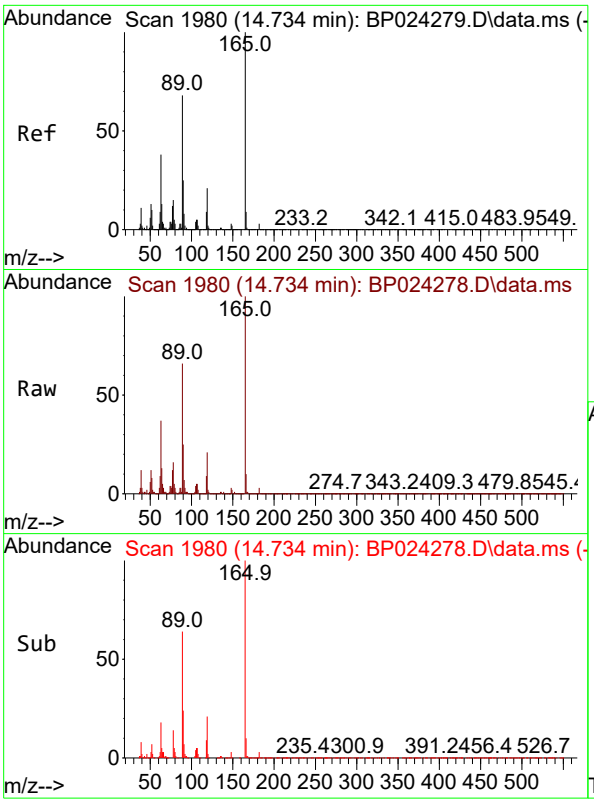


#56
4-Nitrophenol
Concen: 21.109 ng
RT: 14.593 min Scan# 1956
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:139 Resp: 199315

Ion	Ratio	Lower	Upper
139	100		
109	67.0	46.1	86.1
65	86.5	65.0	105.0



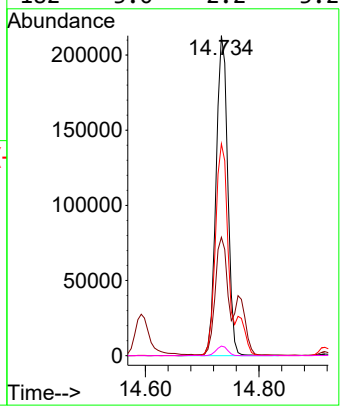


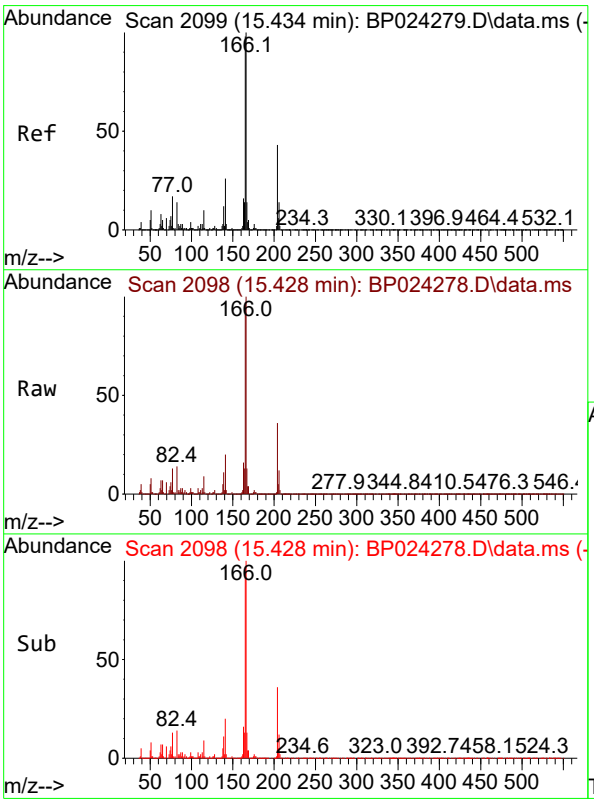
#57
2,4-Dinitrotoluene
Concen: 21.126 ng
RT: 14.734 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 302332

Ion	Ratio	Lower	Upper
165	100		
63	37.0	30.4	45.6
89	66.2	54.6	82.0
182	3.0	2.2	3.2

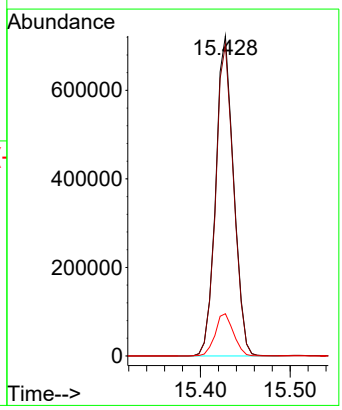


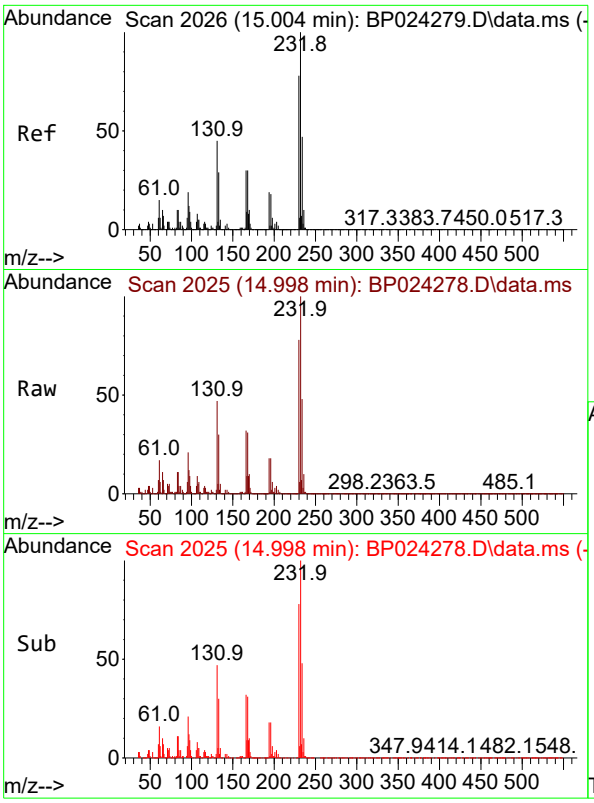


#58
Fluorene
Concen: 20.876 ng
RT: 15.428 min Scan# 2098
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:166 Resp: 1001515

Ion	Ratio	Lower	Upper
166	100		
165	97.3	78.1	117.1
167	13.2	10.9	16.3



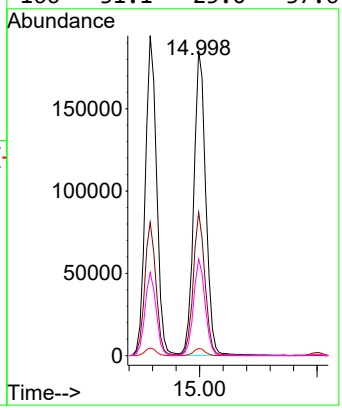


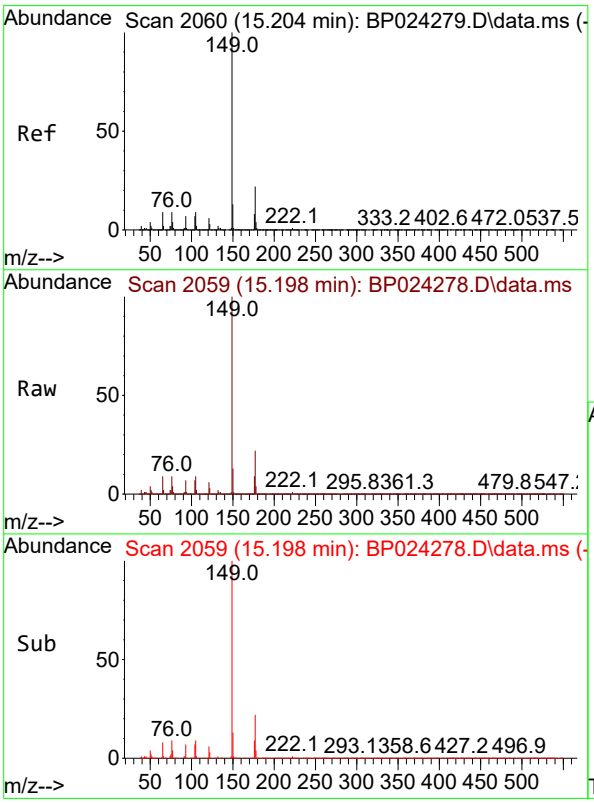
#59
2,3,4,6-Tetrachlorophenol
Concen: 20.523 ng
RT: 14.998 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 262077

Ion	Ratio	Lower	Upper
232	100		
131	45.5	36.8	55.2
130	2.4	1.9	2.9
166	31.1	25.0	37.6

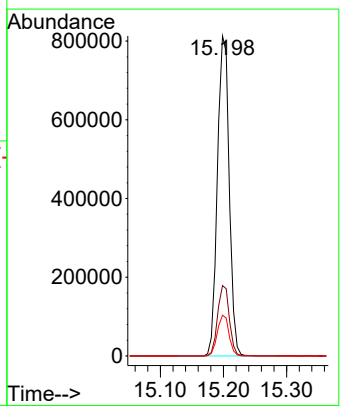


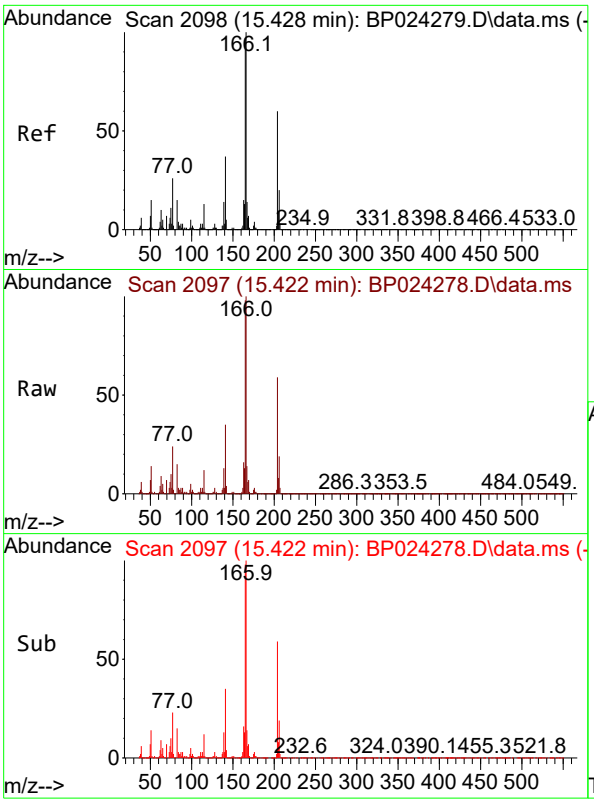


#60
Diethylphthalate
Concen: 20.344 ng
RT: 15.198 min Scan# 2059
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:149 Resp: 1052183

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.4	26.2
150	12.8	10.1	15.1



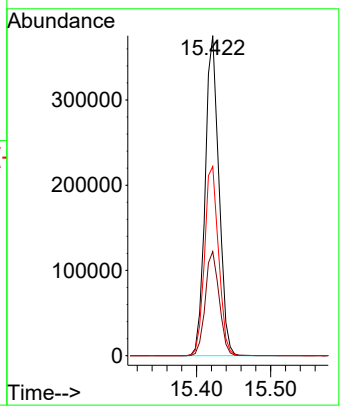


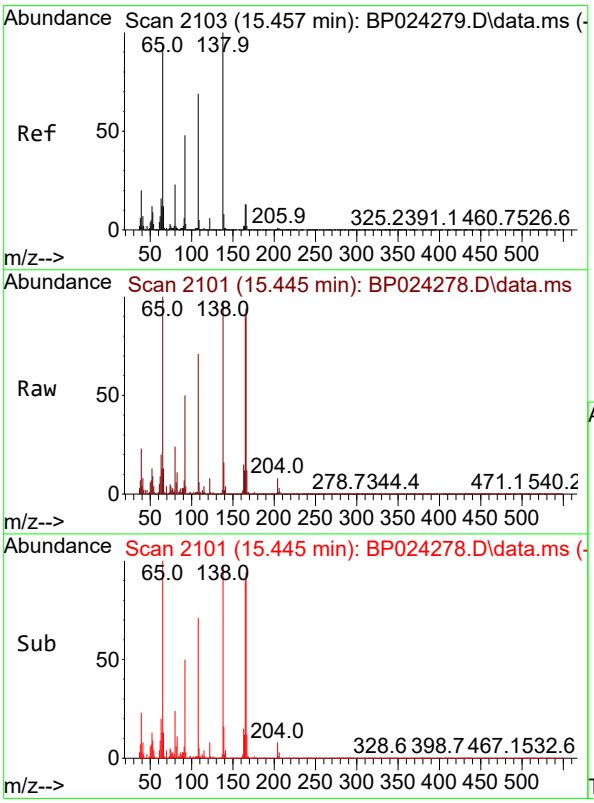
#61
4-Chlorophenyl-phenylether
Concen: 20.675 ng
RT: 15.422 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 481631

Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.5	39.7
141	59.2	49.4	74.0

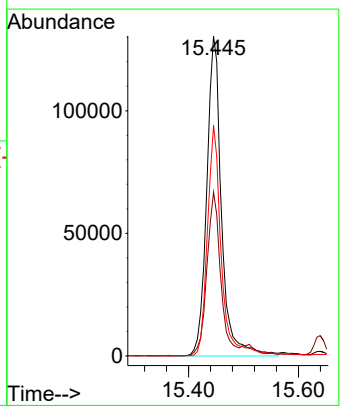


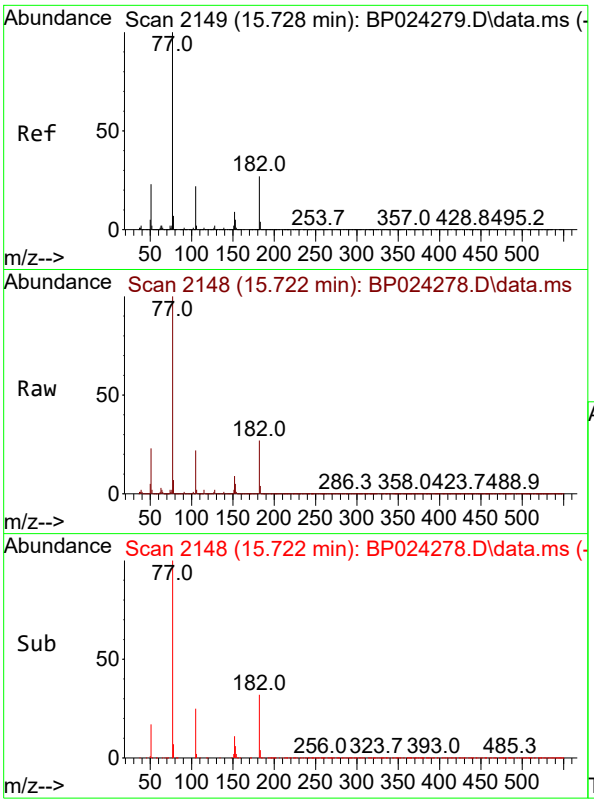


#62
4-Nitroaniline
Concen: 20.888 ng
RT: 15.445 min Scan# 2101
Delta R.T. -0.012 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:138 Resp: 243257

Ion	Ratio	Lower	Upper
138	100		
92	51.2	27.8	67.8
108	72.0	48.9	88.9



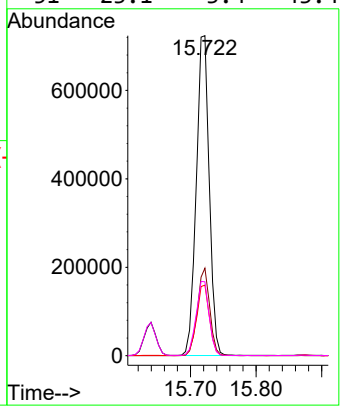


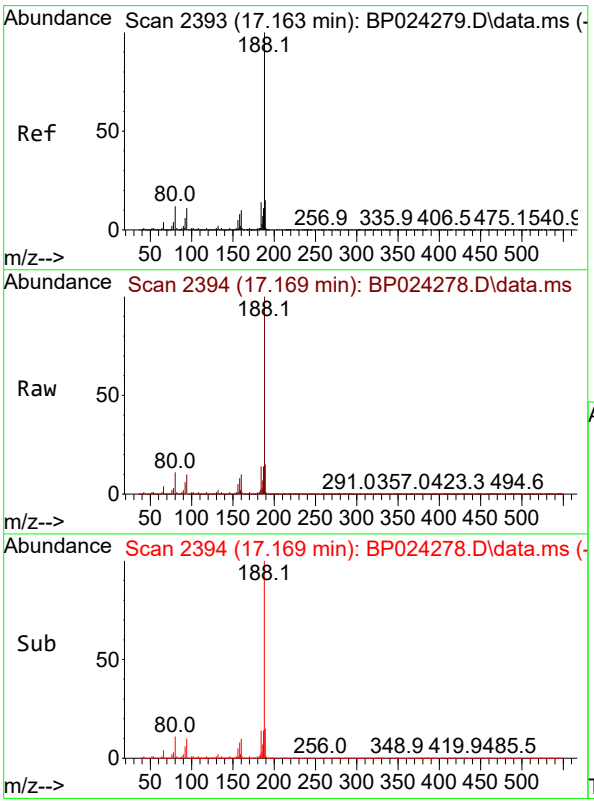
#63
Azobenzene
Concen: 20.907 ng
RT: 15.722 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 995912

Ion	Ratio	Lower	Upper
77	100		
182	27.3	7.3	47.3
105	22.0	2.3	42.3
51	23.1	3.4	43.4

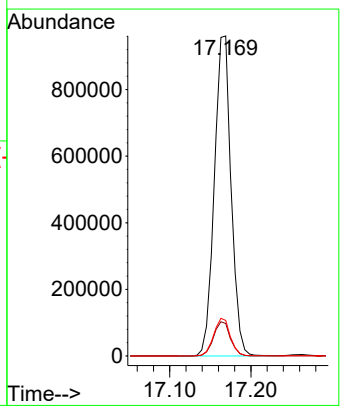


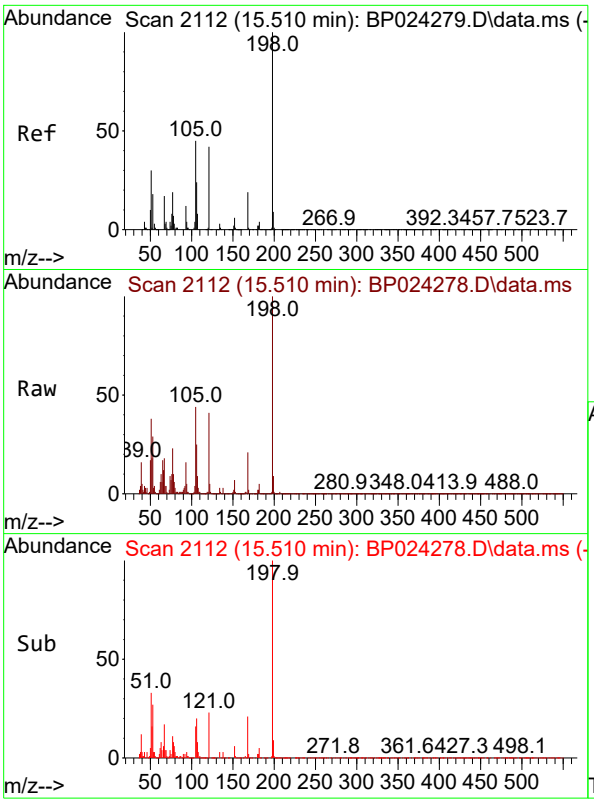


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.169 min Scan# 2394
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:188 Resp: 1378480

Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.6	13.0
80	11.1	9.8	14.6



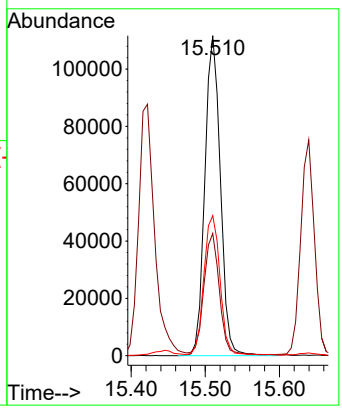


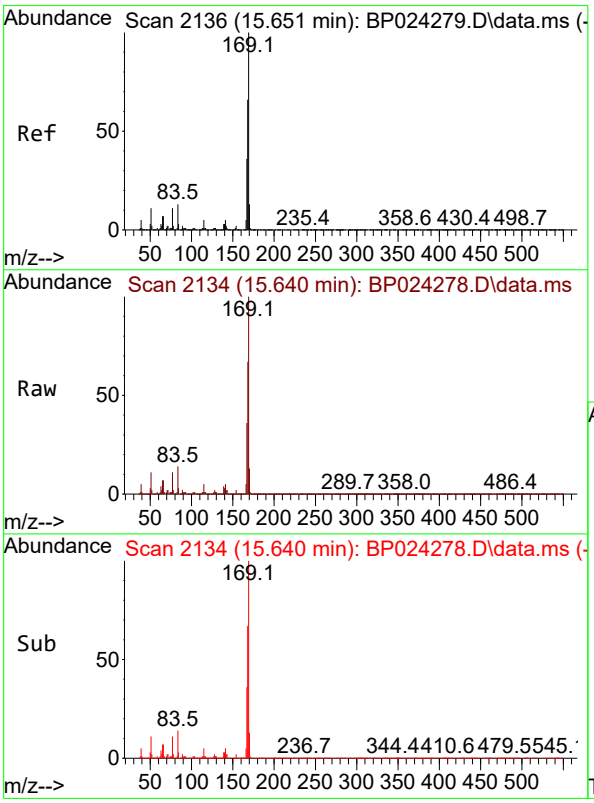
#65
4,6-Dinitro-2-methylphenol
Concen: 20.176 ng
RT: 15.510 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 162501

Ion	Ratio	Lower	Upper
198	100		
51	38.2	18.4	58.4
105	43.8	26.5	66.5

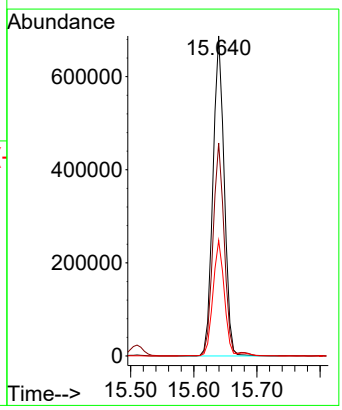


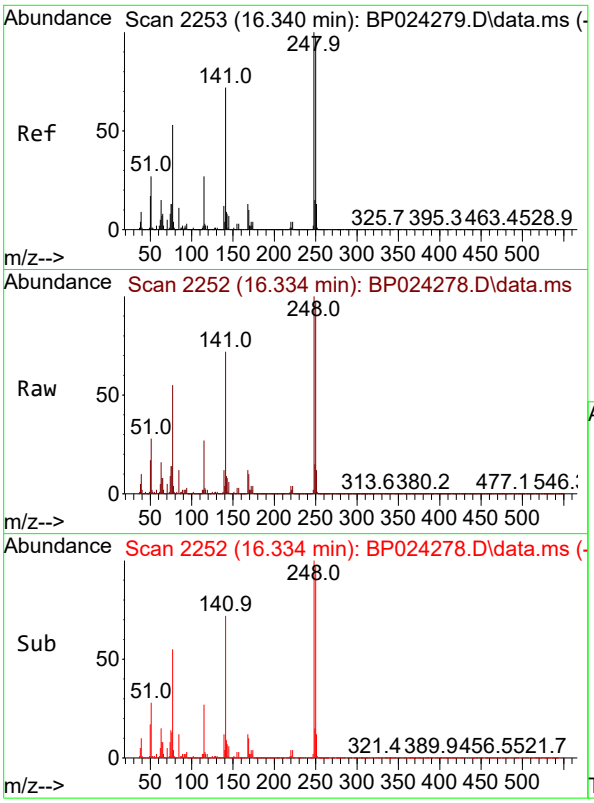


#66
n-Nitrosodiphenylamine
Concen: 20.552 ng
RT: 15.640 min Scan# 2134
Delta R.T. -0.012 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:169 Resp: 849476

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.0	79.4
167	36.1	28.9	43.3



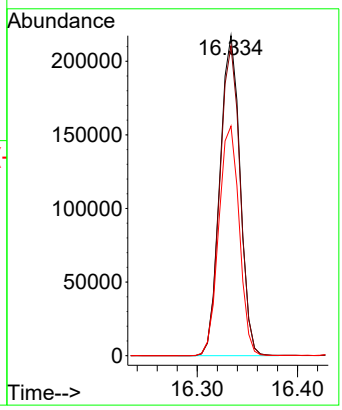


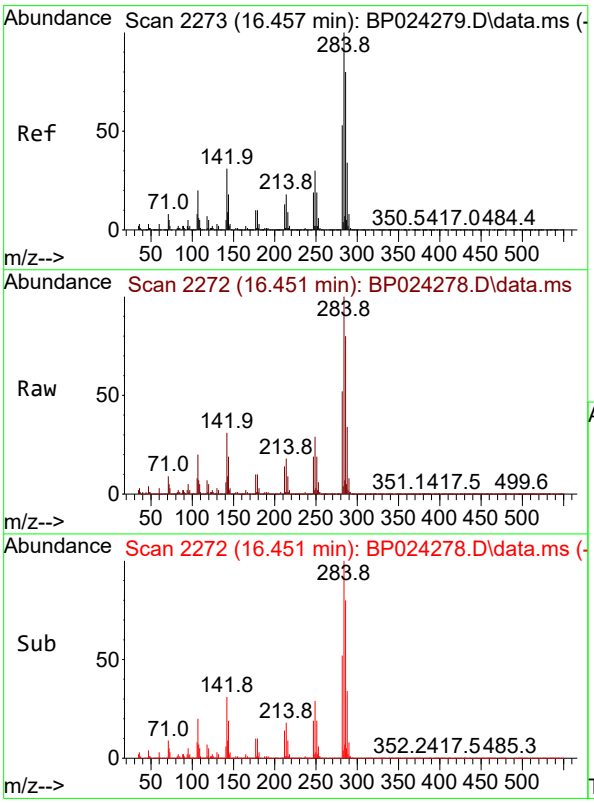
#67
4-Bromophenyl-phenylether
Concen: 20.125 ng
RT: 16.334 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 302601

Ion	Ratio	Lower	Upper
248	100		
250	96.8	78.2	117.4
141	71.8	57.7	86.5

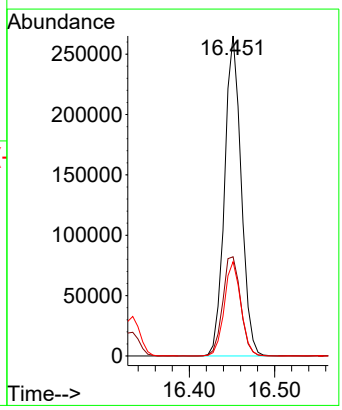


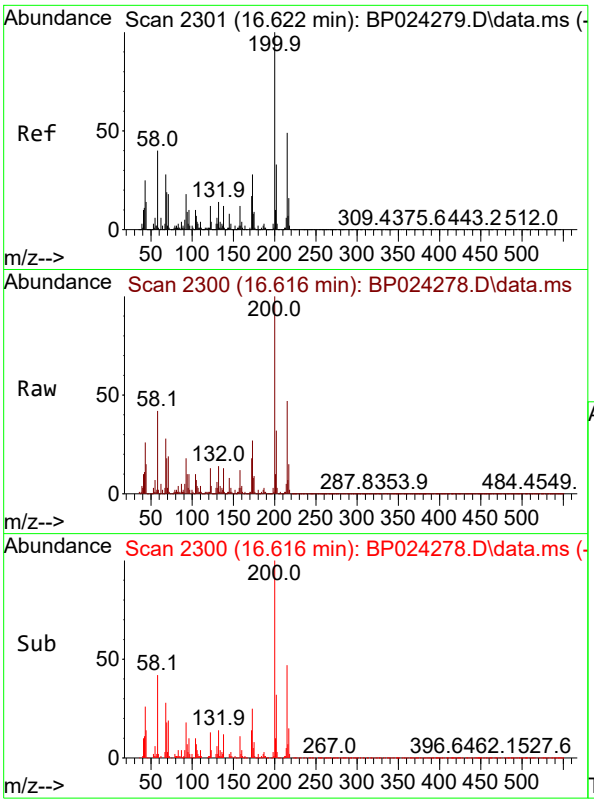


#68
Hexachlorobenzene
Concen: 20.077 ng
RT: 16.451 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:284 Resp: 358889

Ion	Ratio	Lower	Upper
284	100		
142	31.0	24.6	37.0
249	29.5	23.8	35.6



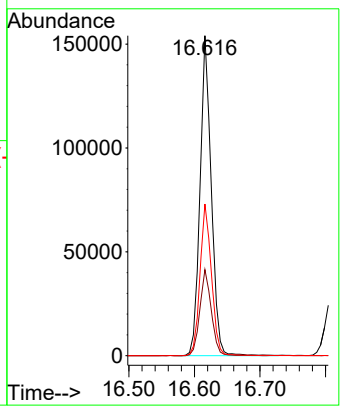


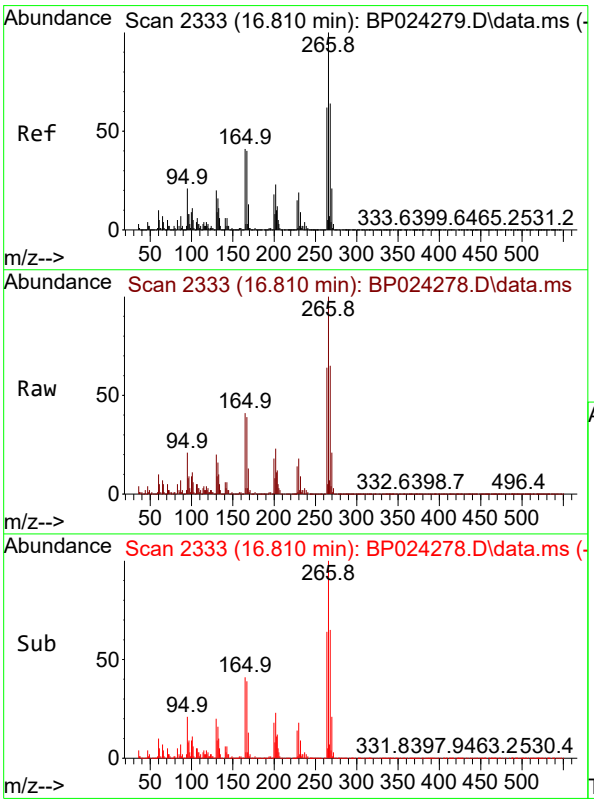
#69
Atrazine
Concen: 17.573 ng
RT: 16.616 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 184151

Ion	Ratio	Lower	Upper
200	100		
173	26.9	7.5	47.5
215	47.4	28.8	68.8

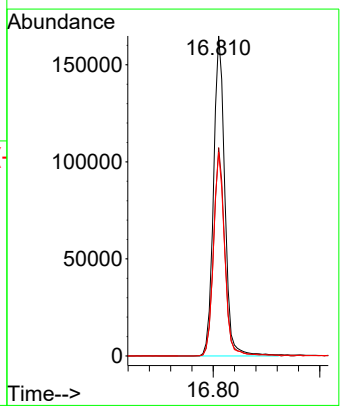


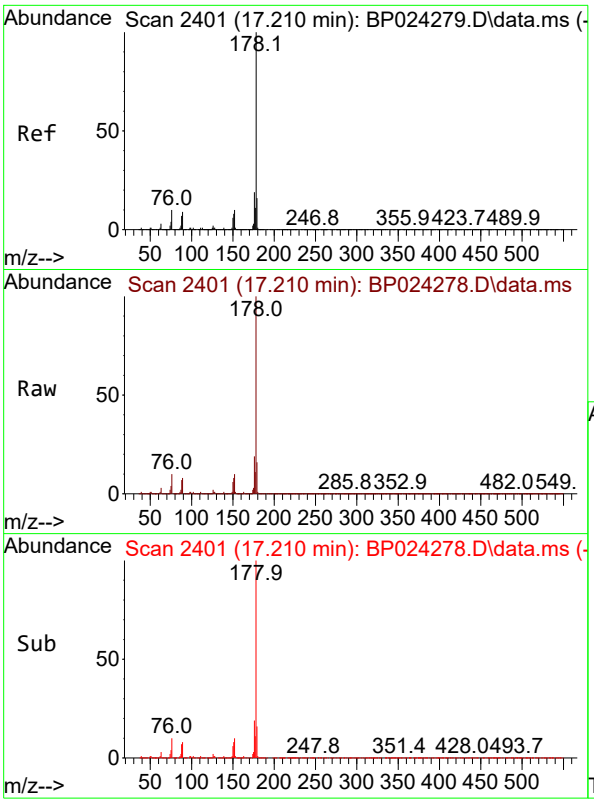


#70
Pentachlorophenol
Concen: 19.702 ng
RT: 16.810 min Scan# 2333
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:266 Resp: 241815

Ion	Ratio	Lower	Upper
266	100		
268	65.1	51.0	76.6
264	63.6	49.8	74.6



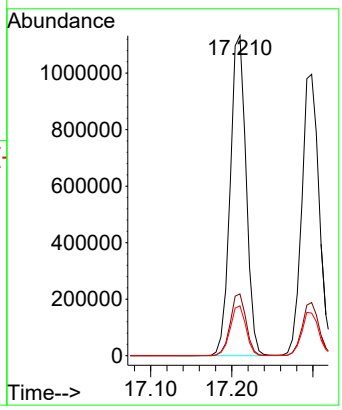


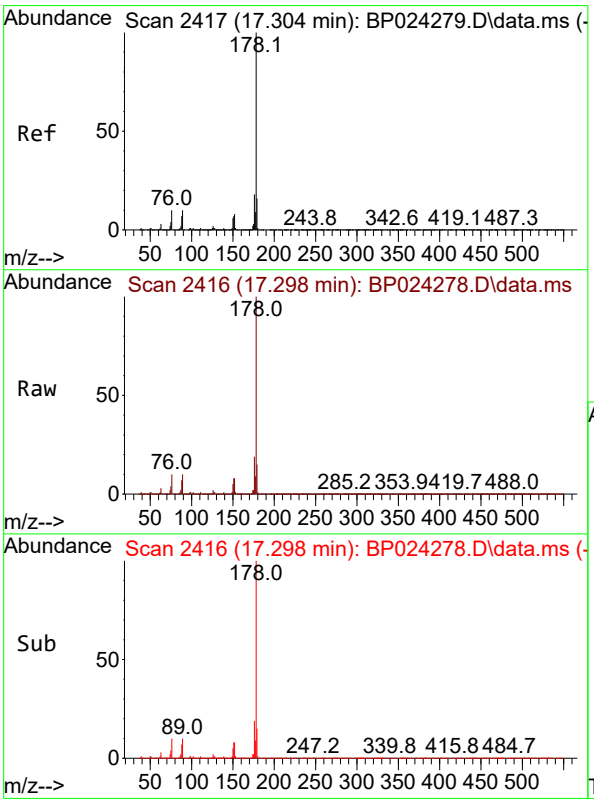
#71
Phenanthrene
Concen: 20.378 ng
RT: 17.210 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 1540112

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.6	12.5	18.7

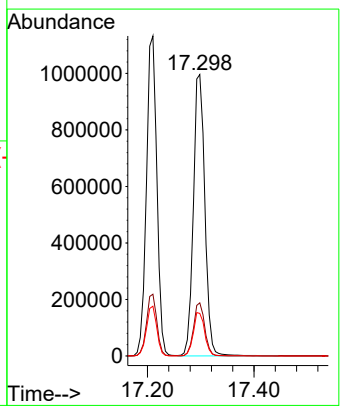


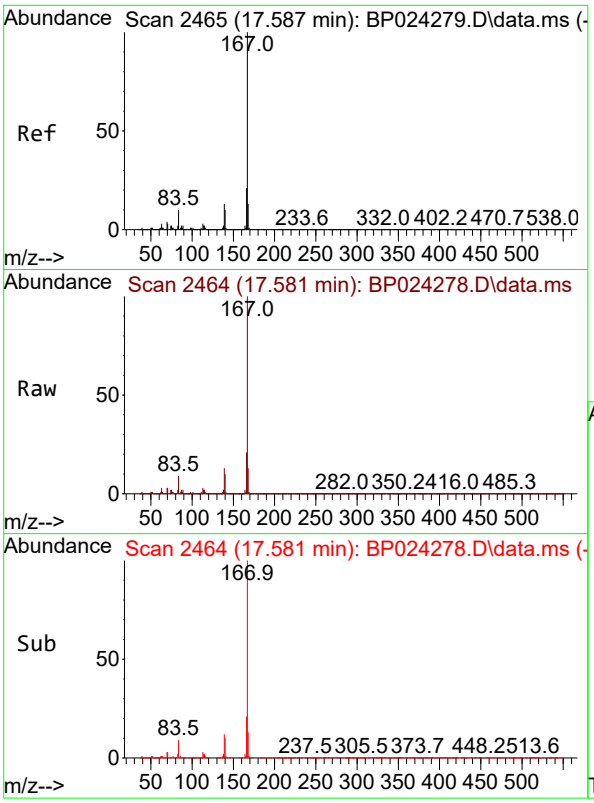


#72
Anthracene
Concen: 20.543 ng
RT: 17.298 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:178 Resp: 1494006

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.7	22.1
179	15.1	12.4	18.6



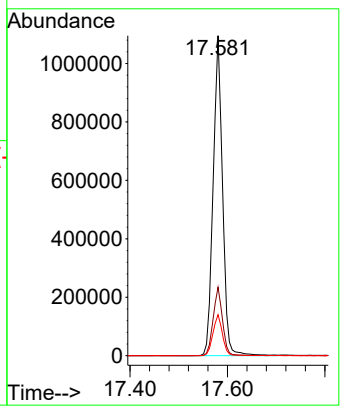


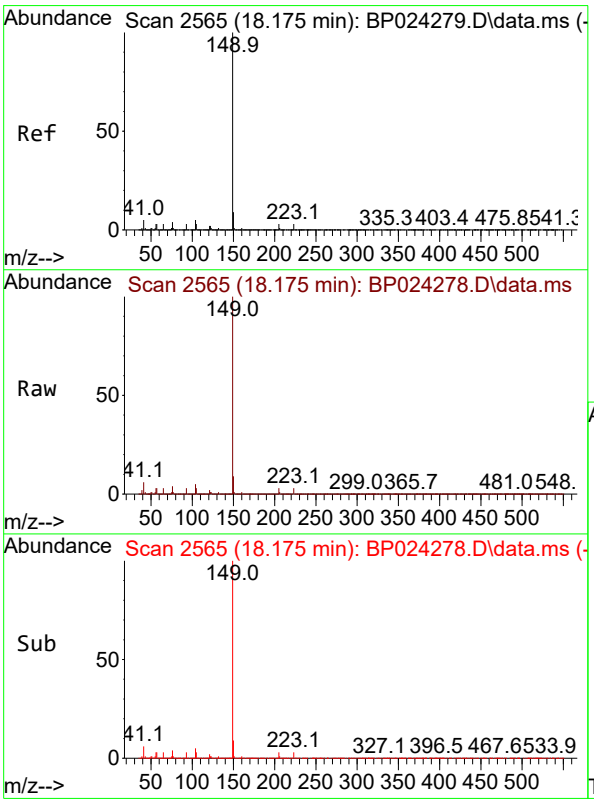
#73
Carbazole
Concen: 20.653 ng
RT: 17.581 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 1461729

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.1	25.7
139	12.8	10.6	16.0

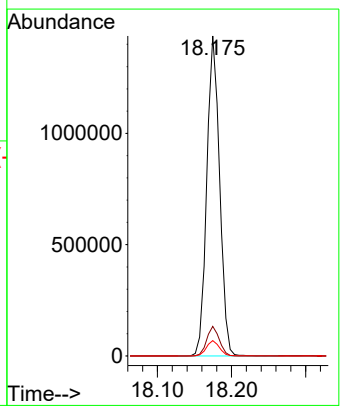


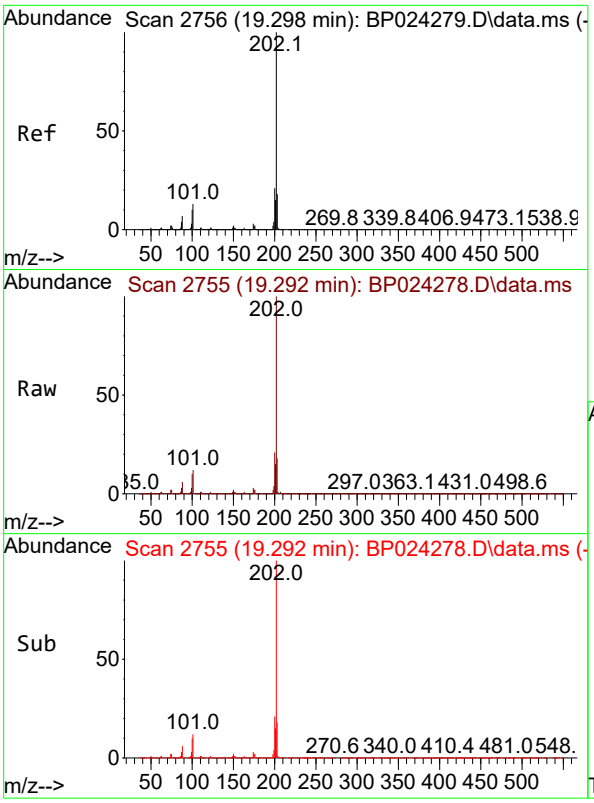


#74
Di-n-butylphthalate
Concen: 19.585 ng
RT: 18.175 min Scan# 2565
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:149 Resp: 1727074

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	4.8	3.9	5.9



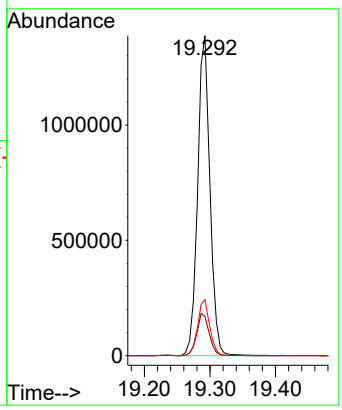


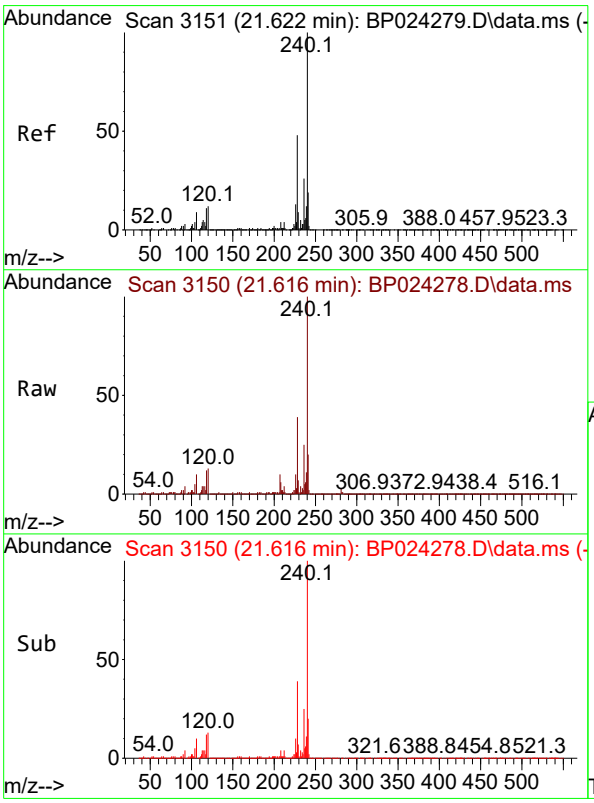
#75
Fluoranthene
Concen: 20.218 ng
RT: 19.292 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 1813662

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	33.2
203	17.6	0.0	37.7

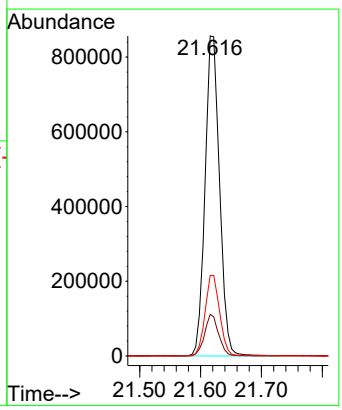


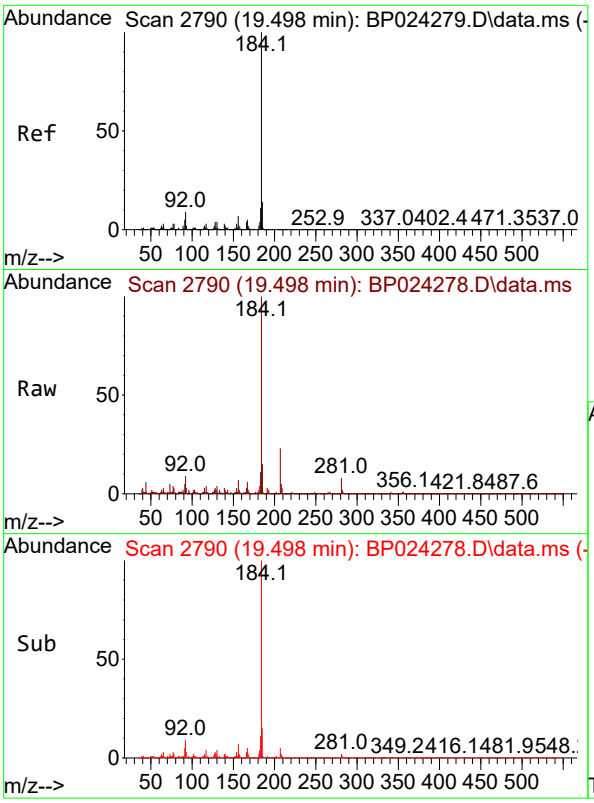


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.616 min Scan# 3150
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:240 Resp: 1415765

Ion	Ratio	Lower	Upper
240	100		
120	13.0	9.8	14.8
236	25.2	20.9	31.3



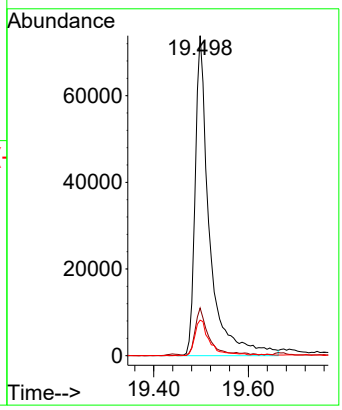


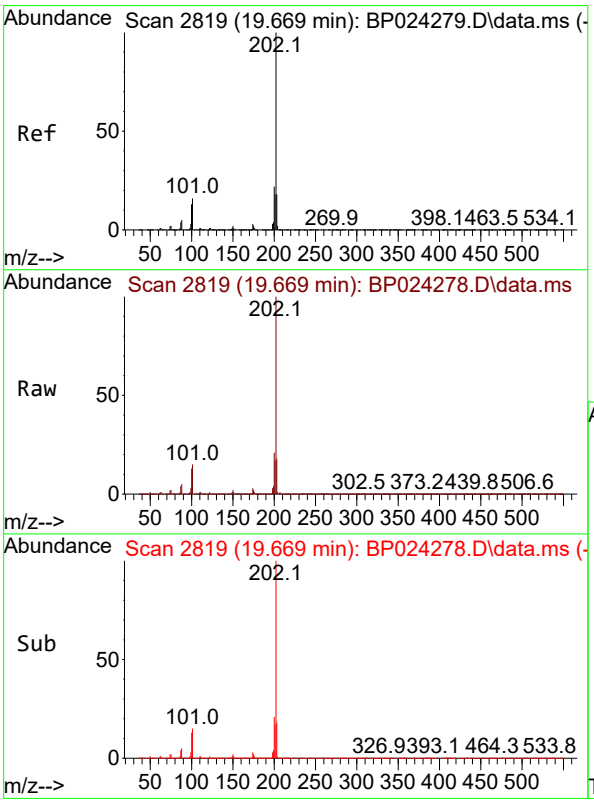
#77
Benzidine
Concen: 8.867 ng
RT: 19.498 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 154964

Ion	Ratio	Lower	Upper
184	100		
185	14.9	11.6	17.4
183	11.1	9.2	13.8

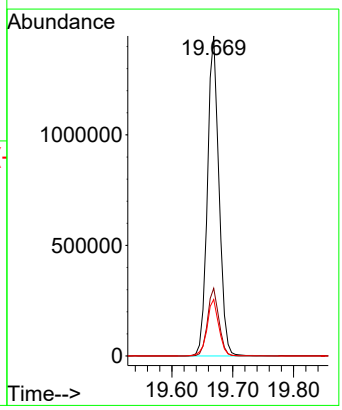


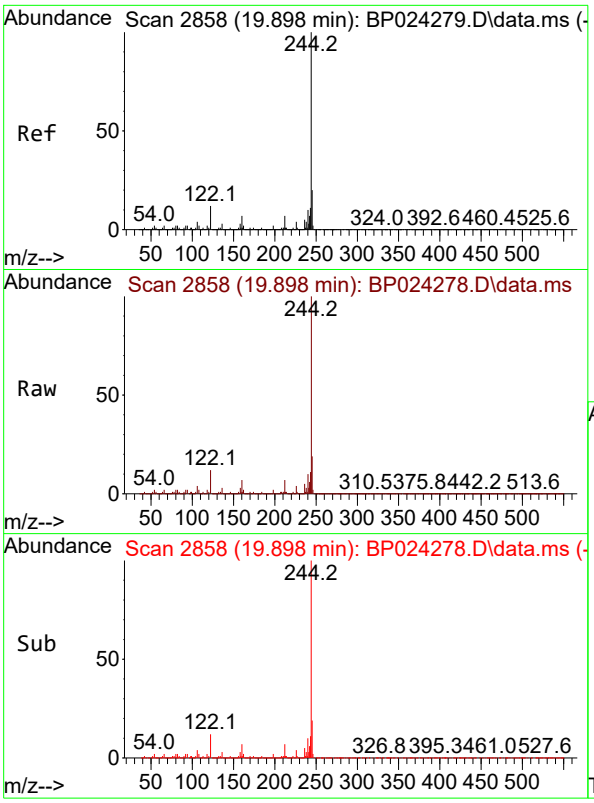


#78
Pyrene
Concen: 21.028 ng
RT: 19.669 min Scan# 2819
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:202 Resp: 1904884

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.2	25.8
203	17.6	14.4	21.6



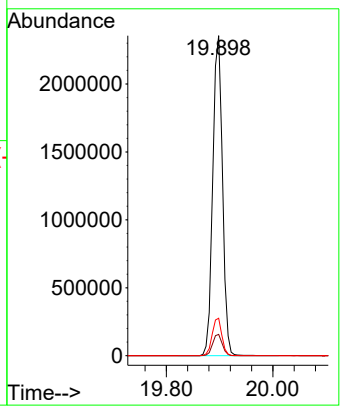


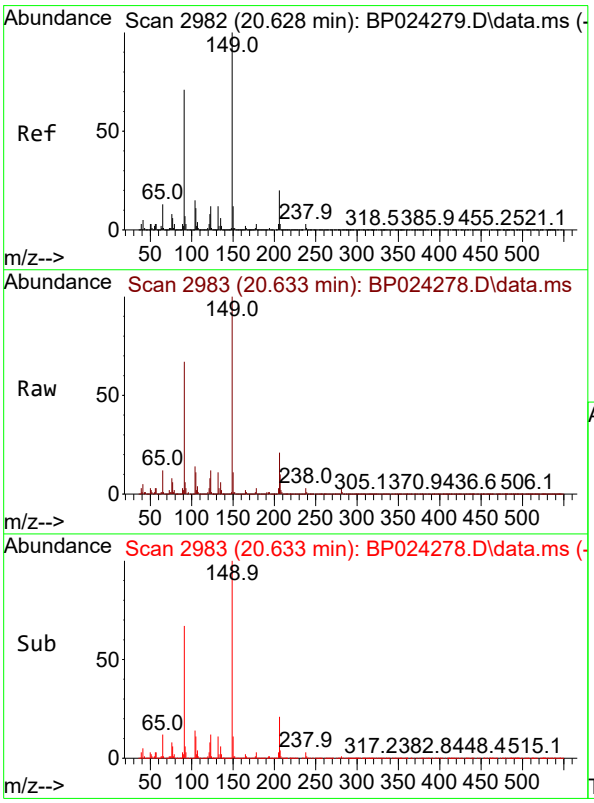
#79
Terphenyl-d14
Concen: 42.062 ng
RT: 19.898 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 2987245

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.6	8.4
122	11.7	9.4	14.0

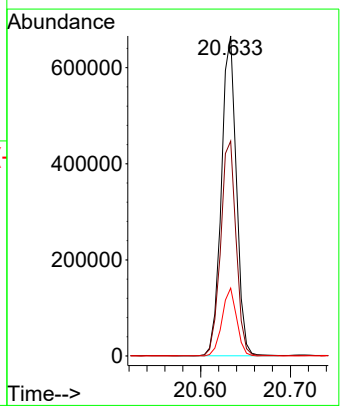


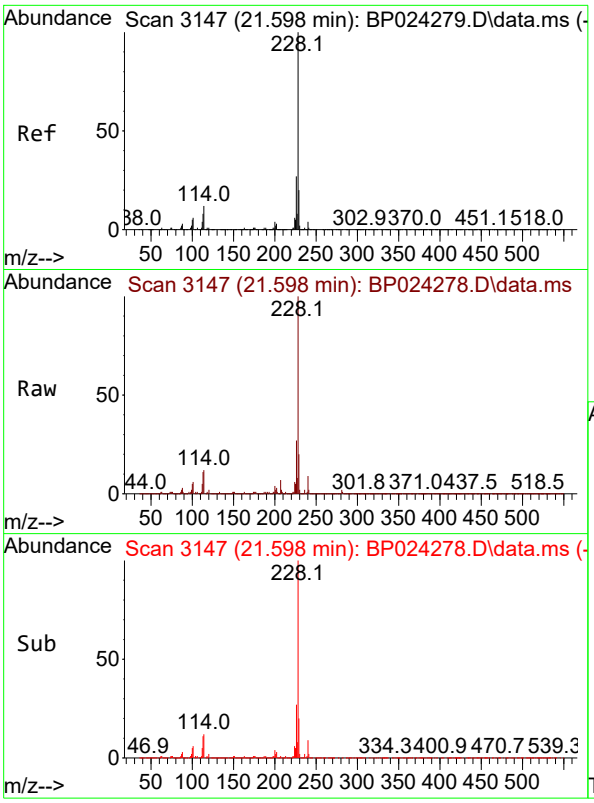


#80
Butylbenzylphthalate
Concen: 20.235 ng
RT: 20.633 min Scan# 2983
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:149 Resp: 772776

Ion	Ratio	Lower	Upper
149	100		
91	67.1	56.4	84.6
206	21.2	16.3	24.5



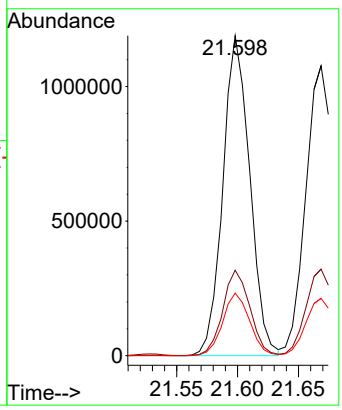


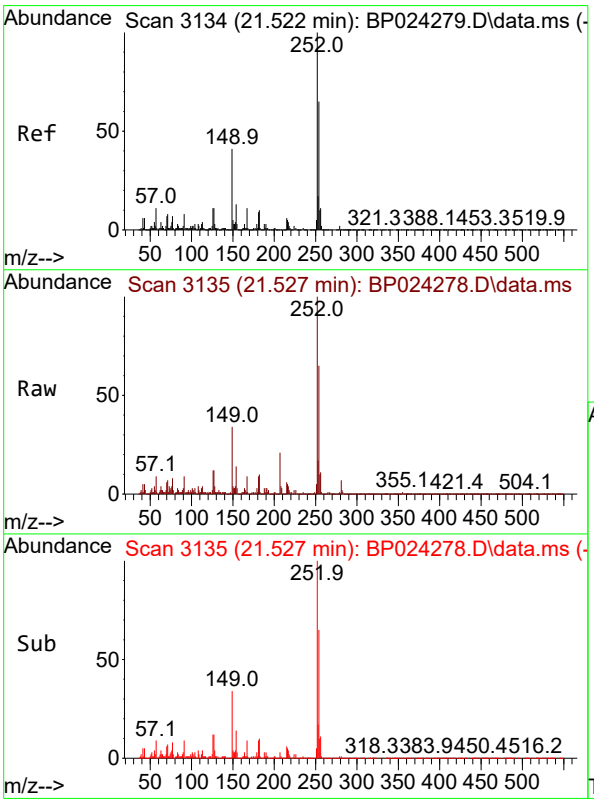
#81
Benzo(a)anthracene
Concen: 20.732 ng
RT: 21.598 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 1829798

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.8	32.8
229	19.6	15.9	23.9

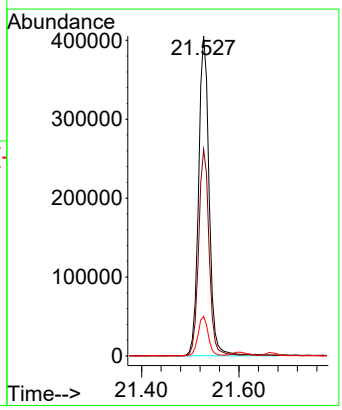


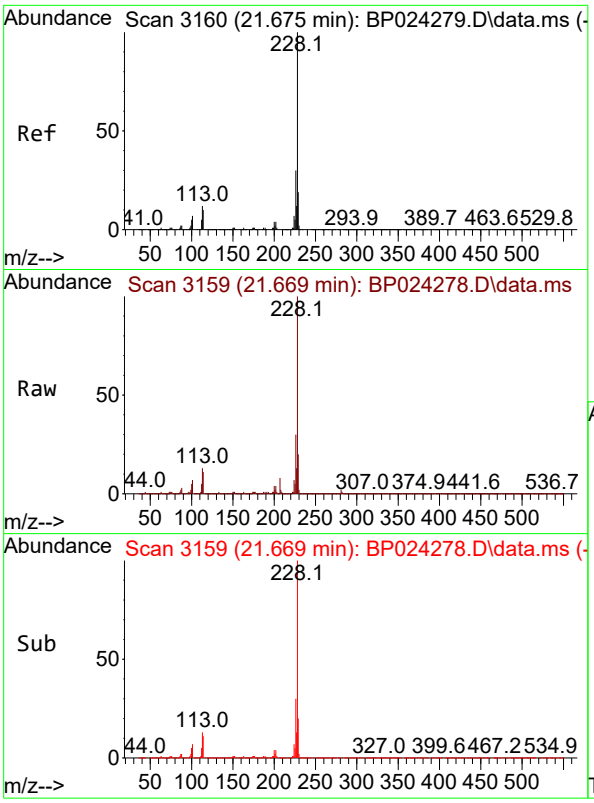


#82
3,3'-Dichlorobenzidine
Concen: 19.956 ng
RT: 21.527 min Scan# 3135
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:252 Resp: 610749

Ion	Ratio	Lower	Upper
252	100		
254	64.5	51.7	77.5
126	12.4	8.8	13.2



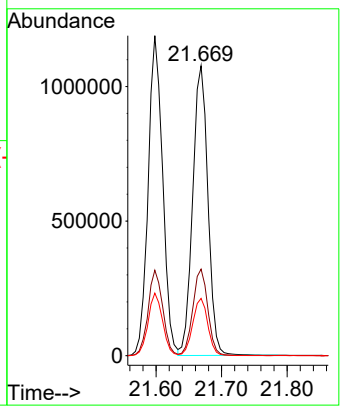


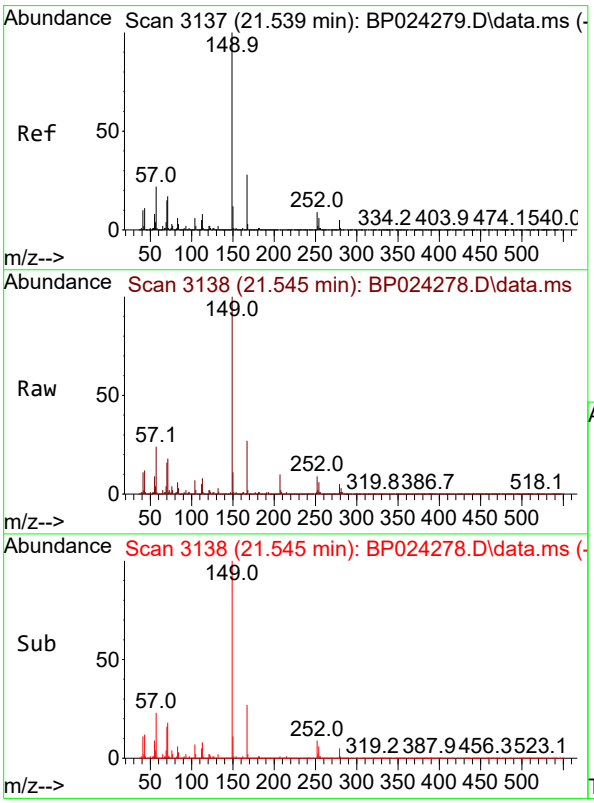
#83
Chrysene
Concen: 20.565 ng
RT: 21.669 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 1739548

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.2	36.2
229	19.8	15.6	23.4

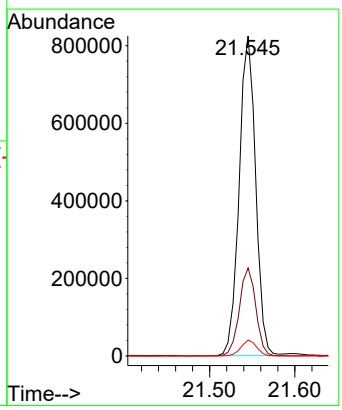


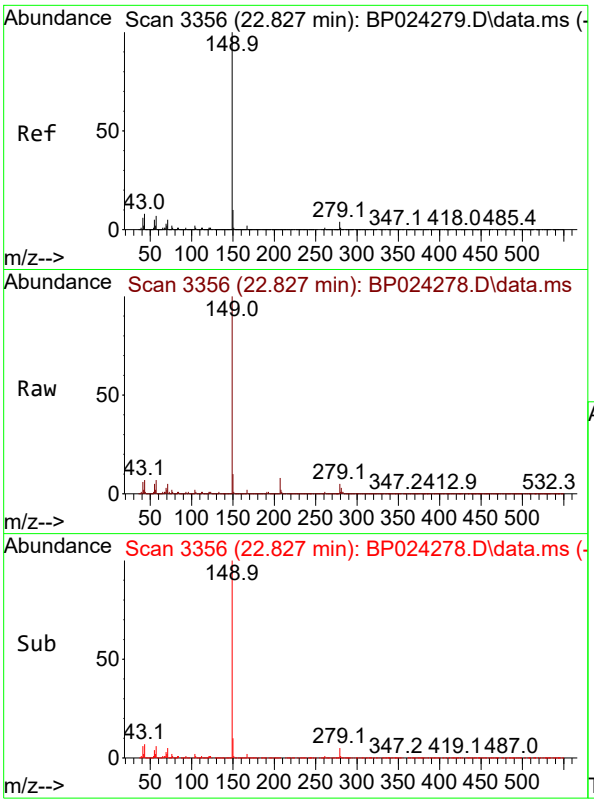


#84
Bis(2-ethylhexyl)phthalate
Concen: 19.616 ng
RT: 21.545 min Scan# 3138
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:149 Resp: 1103263

Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.4	33.6
279	4.9	4.0	6.0



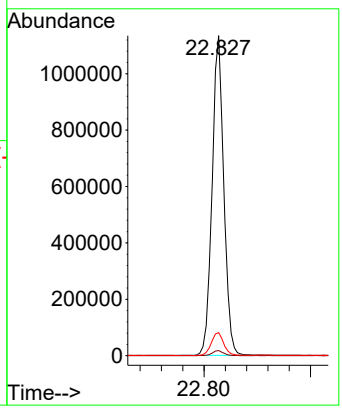


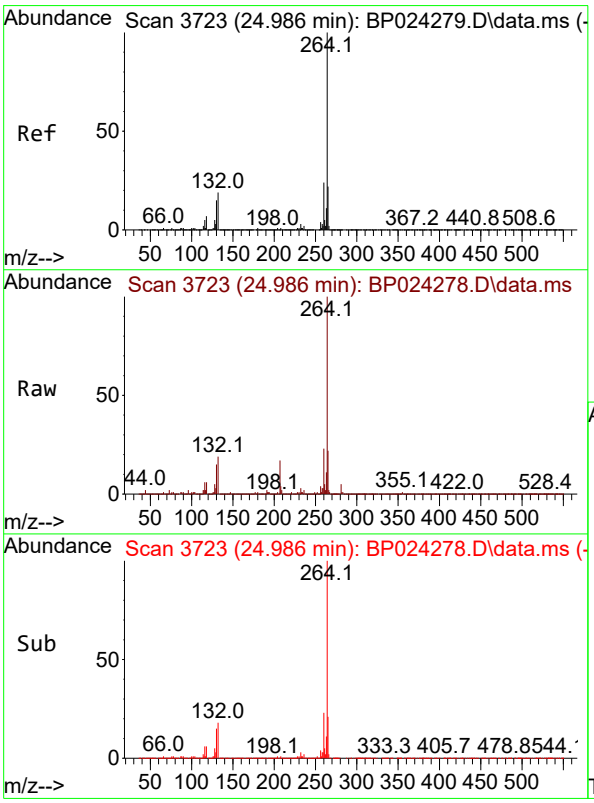
#85
Di-n-octyl phthalate
Concen: 19.207 ng
RT: 22.827 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 1730436

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	7.7	6.0	9.0

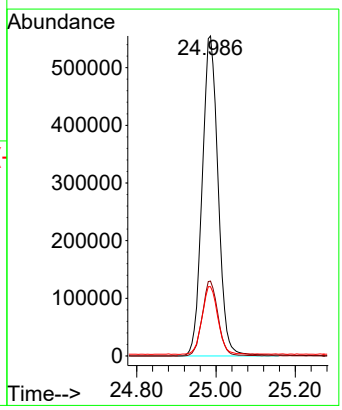


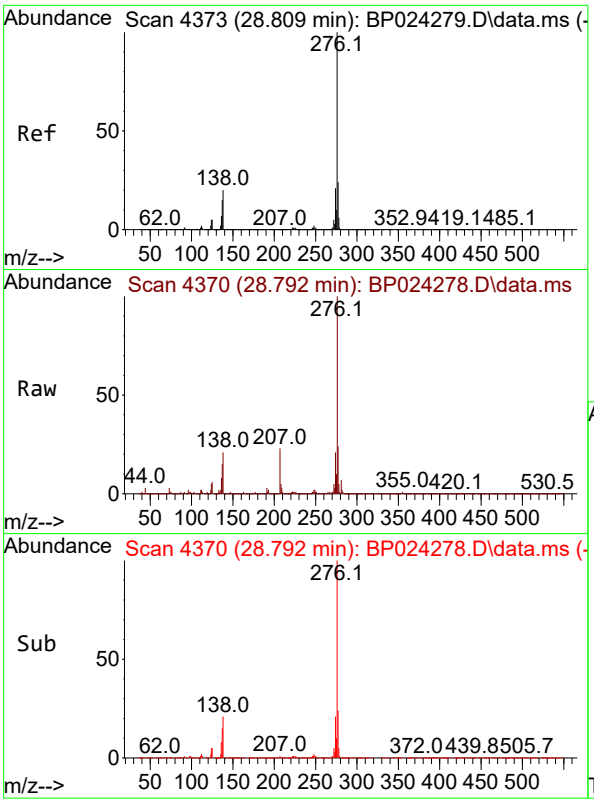


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.986 min Scan# 3723
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:264 Resp: 1549781

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.9	28.3
265	21.7	17.8	26.6



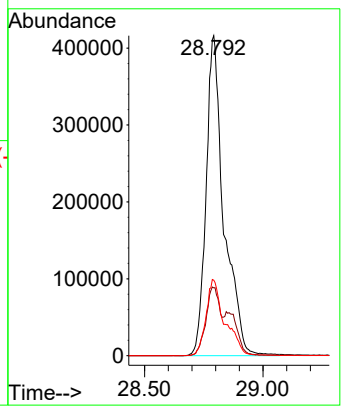


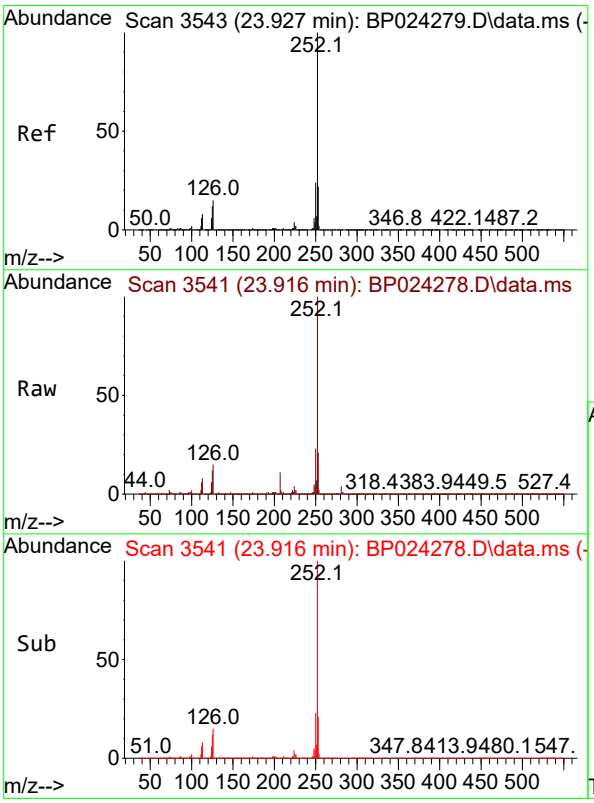
#87
Indeno(1,2,3-cd)pyrene
Concen: 20.454 ng
RT: 28.792 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 2180177

Ion	Ratio	Lower	Upper
276	100		
138	16.7	14.5	21.7
277	25.2	20.2	30.2

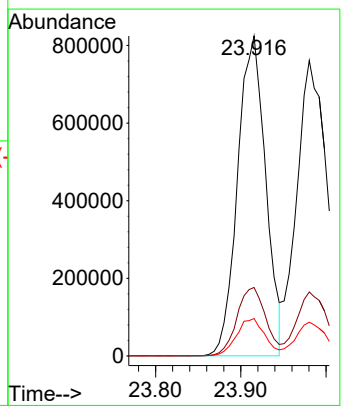


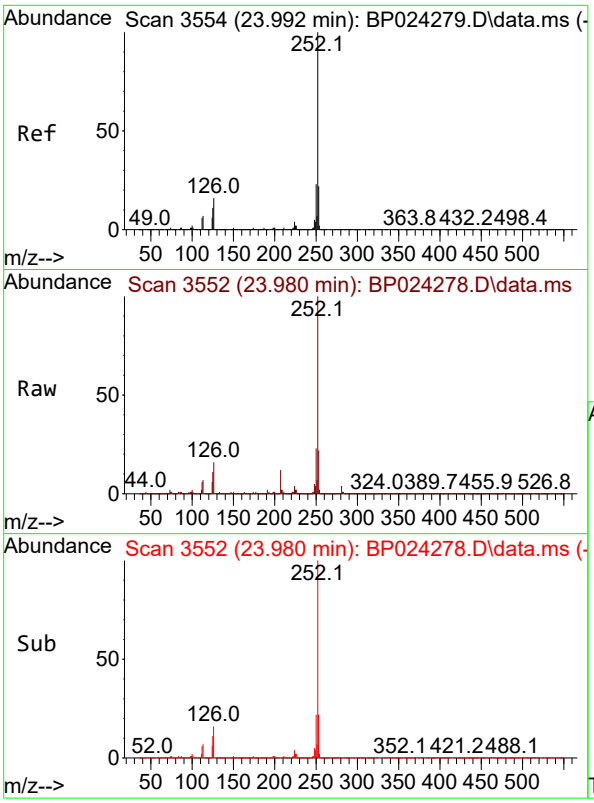


#88
Benzo(b)fluoranthene
Concen: 20.337 ng
RT: 23.916 min Scan# 3541
Delta R.T. -0.012 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:252 Resp: 1885654

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.7	26.5
125	11.7	9.4	14.0



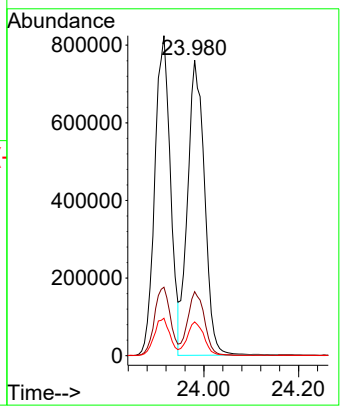


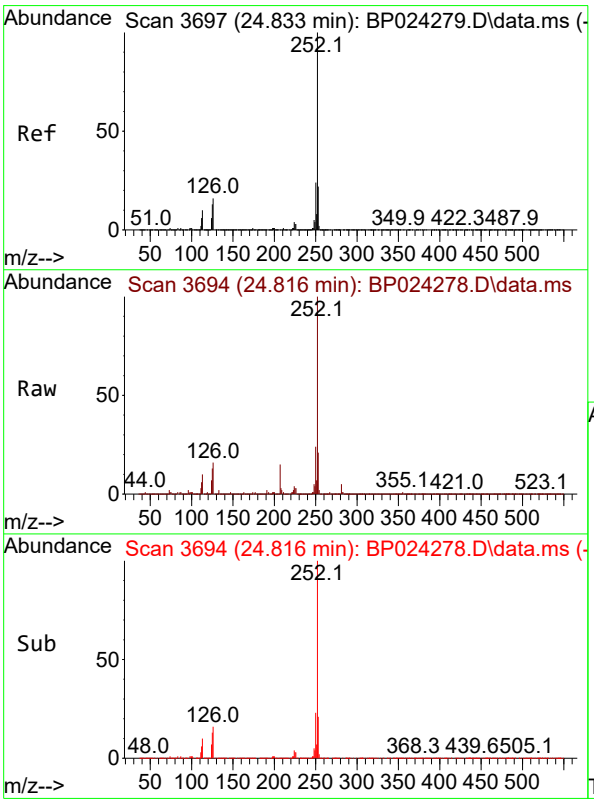
#89
Benzo(k)fluoranthene
Concen: 20.955 ng
RT: 23.980 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 1885747

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	11.4	9.1	13.7

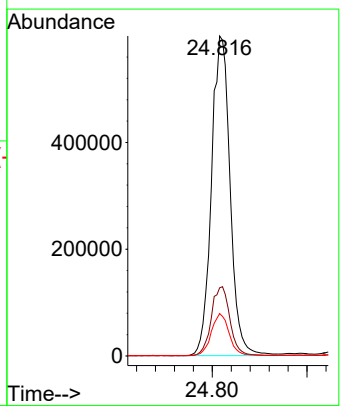


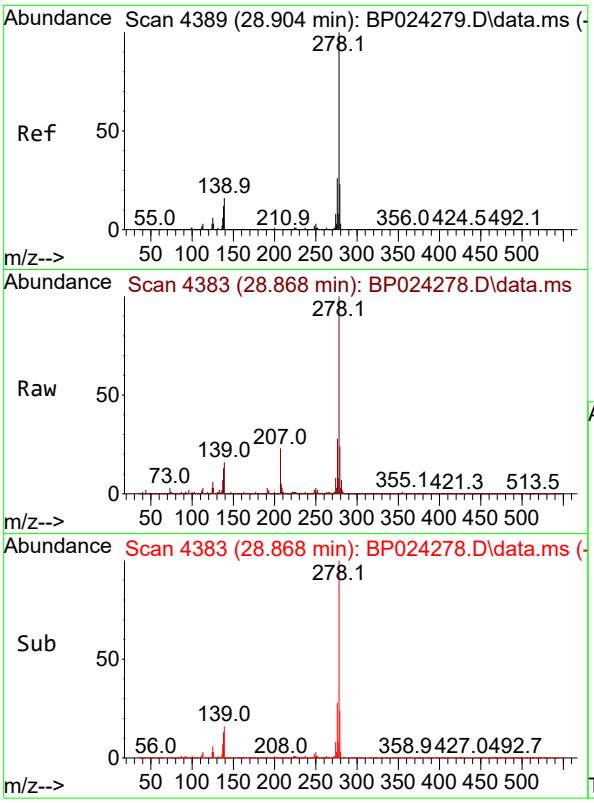


#90
Benzo(a)pyrene
Concen: 20.518 ng
RT: 24.816 min Scan# 3694
Delta R.T. -0.018 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:252 Resp: 1637648

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.6	26.4
125	13.2	10.1	15.1



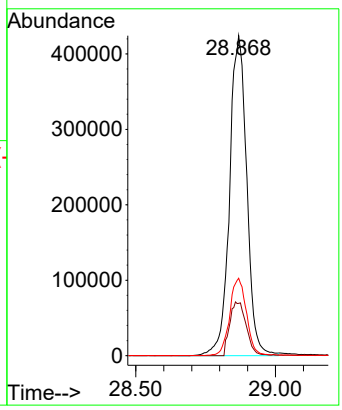


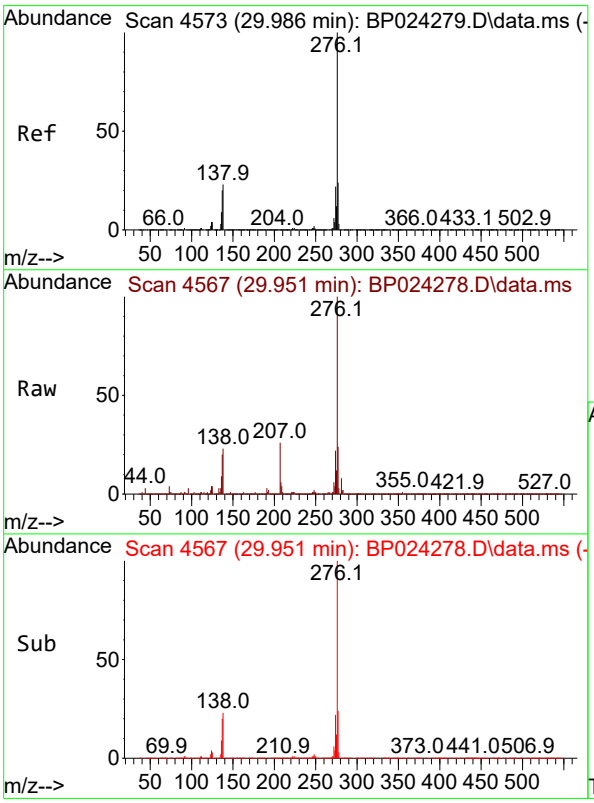
#91
Dibenzo(a,h)anthracene
Concen: 20.480 ng
RT: 28.868 min Scan# 4
Delta R.T. -0.035 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 1815743

Ion	Ratio	Lower	Upper
278	100		
139	16.4	12.6	19.0
279	24.2	18.5	27.7

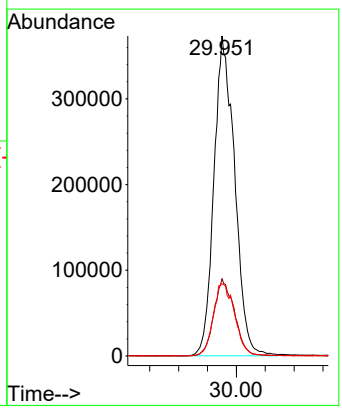




#92
Benzo(g,h,i)perylene
Concen: 20.571 ng
RT: 29.951 min Scan# 4567
Delta R.T. -0.035 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:276 Resp: 1856380

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.9	28.3
138	22.6	18.7	28.1



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Data File : BP024279.D
Acq On : 14 Apr 2025 13:49
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: Apr 14 17:26:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.734	152	246363	20.000	ng	0.00
21) Naphthalene-d8	10.505	136	1046876	20.000	ng	0.00
39) Acenaphthene-d10	14.363	164	657357	20.000	ng	0.00
64) Phenanthrene-d10	17.163	188	1277198	20.000	ng	0.00
76) Chrysene-d12	21.622	240	1349860	20.000	ng	0.00
86) Perylene-d12	24.986	264	1485135	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	1236220	82.813	ng	0.00
7) Phenol-d6	6.916	99	1722202	84.332	ng	0.00
23) Nitrobenzene-d5	8.875	82	1540790	83.791	ng	0.00
42) 2,4,6-Tribromophenol	15.881	330	759528	84.379	ng	0.00
45) 2-Fluorobiphenyl	12.969	172	3591010	82.939	ng	0.00
79) Terphenyl-d14	19.898	244	5570563	82.266	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.293	88	252519	39.624	ng	100
3) Pyridine	3.693	79	687730	41.457	ng	100
4) n-Nitrosodimethylamine	3.599	42	225273	40.725	ng	100
6) Aniline	7.069	93	781907	42.413	ng	100
8) 2-Chlorophenol	7.305	128	689257	41.317	ng	100
9) Benzaldehyde	6.881	77	411846	38.937	ng	100
10) Phenol	6.940	94	862244	42.050	ng	100
11) bis(2-Chloroethyl)ether	7.164	93	688989	41.581	ng	100
12) 1,3-Dichlorobenzene	7.622	146	732329	40.516	ng	100
13) 1,4-Dichlorobenzene	7.763	146	736270	40.171	ng	100
14) 1,2-Dichlorobenzene	8.081	146	711951	40.172	ng	100
15) Benzyl Alcohol	7.969	79	570437	43.581	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.252	45	746041	41.386	ng	100
17) 2-Methylphenol	8.169	107	561621	42.503	ng	100
18) Hexachloroethane	8.799	117	266915	40.349	ng	100
19) n-Nitroso-di-n-propyla...	8.528	70	533912	42.092	ng	100
20) 3+4-Methylphenols	8.499	107	784336	42.854	ng	100
22) Acetophenone	8.546	105	1086788	41.770	ng	100
24) Nitrobenzene	8.922	77	762756	41.852	ng	100
25) Isophorone	9.440	82	1408146	42.419	ng	100
26) 2-Nitrophenol	9.628	139	383751	43.852	ng	100
27) 2,4-Dimethylphenol	9.687	122	472488	42.600	ng	100
28) bis(2-Chloroethoxy)met...	9.922	93	947250	41.926	ng	100
29) 2,4-Dichlorophenol	10.157	162	645849	42.725	ng	100
30) 1,2,4-Trichlorobenzene	10.369	180	671264	41.046	ng	100
31) Naphthalene	10.557	128	2258924	40.765	ng	100
32) Benzoic acid	9.828	122	506813	42.286	ng	100
33) 4-Chloroaniline	10.669	127	830870	42.913	ng	100
34) Hexachlorobutadiene	10.846	225	394737	41.146	ng	100
35) Caprolactam	11.452	113	234519	42.256	ng	100
36) 4-Chloro-3-methylphenol	11.793	107	747541	42.438	ng	100
37) 2-Methylnaphthalene	12.163	142	1580497	41.154	ng	100
38) 1-Methylnaphthalene	12.381	142	1530982	40.695	ng	100
40) 1,2,4,5-Tetrachloroben...	12.540	216	757748	41.945	ng	100
41) Hexachlorocyclopentadiene	12.522	237	286135	45.116	ng	100
43) 2,4,6-Trichlorophenol	12.781	196	511566	43.038	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024279.D
Acq On : 14 Apr 2025 13:49
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: Apr 14 17:26:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

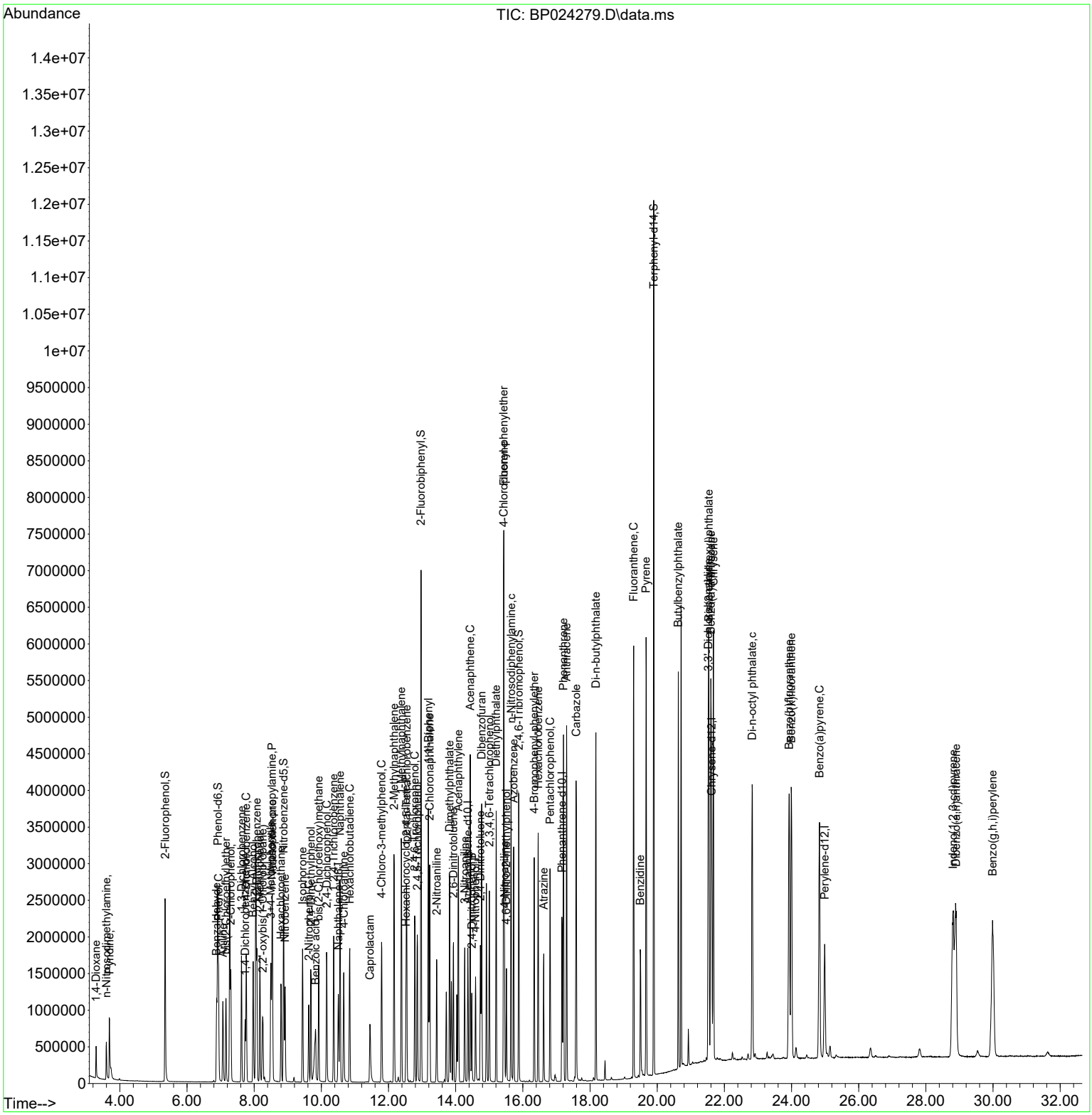
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.857	196	561631	42.637	ng	100
46) 1,1'-Biphenyl	13.187	154	2010029	41.404	ng	100
47) 2-Chloronaphthalene	13.228	162	1497152	41.328	ng	100
48) 2-Nitroaniline	13.434	65	434050	43.377	ng	100
49) Acenaphthylene	14.081	152	2384785	41.944	ng	100
50) Dimethylphthalate	13.822	163	1965142	40.976	ng	100
51) 2,6-Dinitrotoluene	13.934	165	427248	42.283	ng	100
52) Acenaphthene	14.434	154	1480526	40.947	ng	100
53) 3-Nitroaniline	14.269	138	465347	44.389	ng	100
54) 2,4-Dinitrophenol	14.481	184	244714	45.231	ng	100
55) Dibenzofuran	14.775	168	2409526	40.633	ng	100
56) 4-Nitrophenol	14.593	139	401591	44.564	ng	100
57) 2,4-Dinitrotoluene	14.734	165	588798	43.110	ng	100
58) Fluorene	15.434	166	1838264	40.150	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.004	232	511714	41.987	ng	100
60) Diethylphthalate	15.204	149	2037863	41.286	ng	100
61) 4-Chlorophenyl-phenyle...	15.428	204	894350	40.226	ng	100
62) 4-Nitroaniline	15.457	138	485622	43.693	ng	100
63) Azobenzene	15.728	77	1881773	41.392	ng	100
65) 4,6-Dinitro-2-methylph...	15.510	198	335347	44.938	ng	100
66) n-Nitrosodiphenylamine	15.651	169	1609251	42.021	ng	100
67) 4-Bromophenyl-phenylether	16.340	248	587416	42.165	ng	100
68) Hexachlorobenzene	16.457	284	692546	41.815	ng	100
69) Atrazine	16.622	200	308618	31.786	ng	100
70) Pentachlorophenol	16.810	266	499858	43.955	ng	100
71) Phenanthrene	17.210	178	2879498	41.121	ng	100
72) Anthracene	17.304	178	2838724	42.130	ng	100
73) Carbazole	17.587	167	2770072	42.242	ng	100
74) Di-n-butylphthalate	18.175	149	3571220	43.708	ng	100
75) Fluoranthene	19.298	202	3441282	41.404	ng	100
77) Benzidine	19.498	184	1178258	70.714	ng	100
78) Pyrene	19.669	202	3523104	40.790	ng	100
80) Butylbenzylphthalate	20.628	149	1607881	44.158	ng	100
81) Benzo(a)anthracene	21.598	228	3489938	41.472	ng	100
82) 3,3'-Dichlorobenzidine	21.522	252	1311770	44.953	ng	100
83) Chrysene	21.675	228	3274153	40.596	ng	100
84) Bis(2-ethylhexyl)phtha...	21.539	149	2411998	44.979	ng	100
85) Di-n-octyl phthalate	22.827	149	3943939	45.913	ng	100
87) Indeno(1,2,3-cd)pyrene	28.809	276	4288630	41.987	ng	100
88) Benzo(b)fluoranthene	23.927	252	3737035	42.058	ng	100
89) Benzo(k)fluoranthene	23.992	252	3600626	41.753	ng	100
90) Benzo(a)pyrene	24.833	252	3240684	42.369	ng	100
91) Dibenzo(a,h)anthracene	28.904	278	3573562	42.061	ng	100
92) Benzo(g,h,i)perylene	29.986	276	3617069	41.826	ng	100

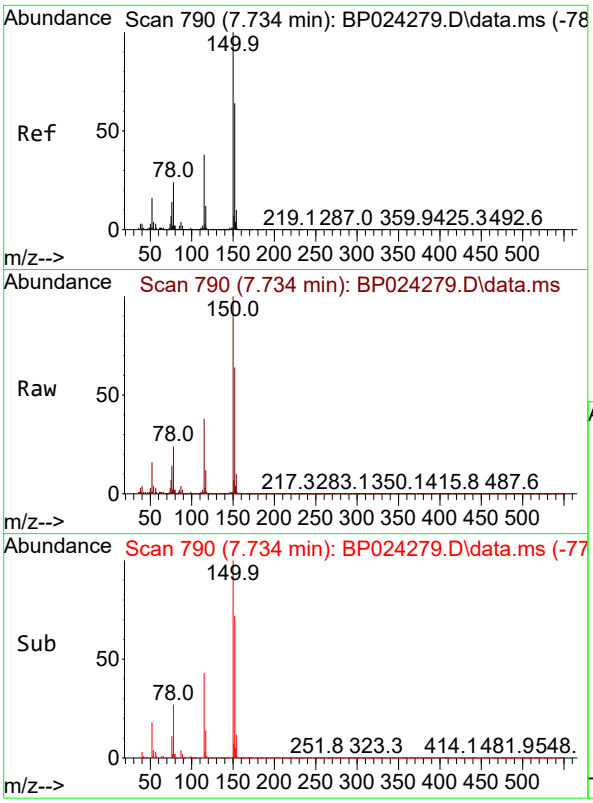
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024279.D
Acq On : 14 Apr 2025 13:49
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: Apr 14 17:26:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration



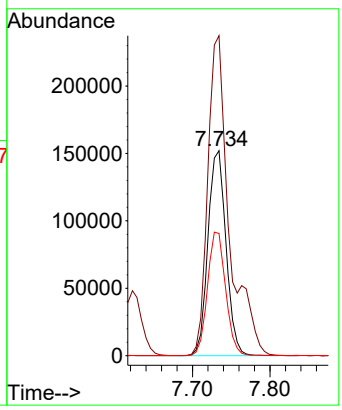


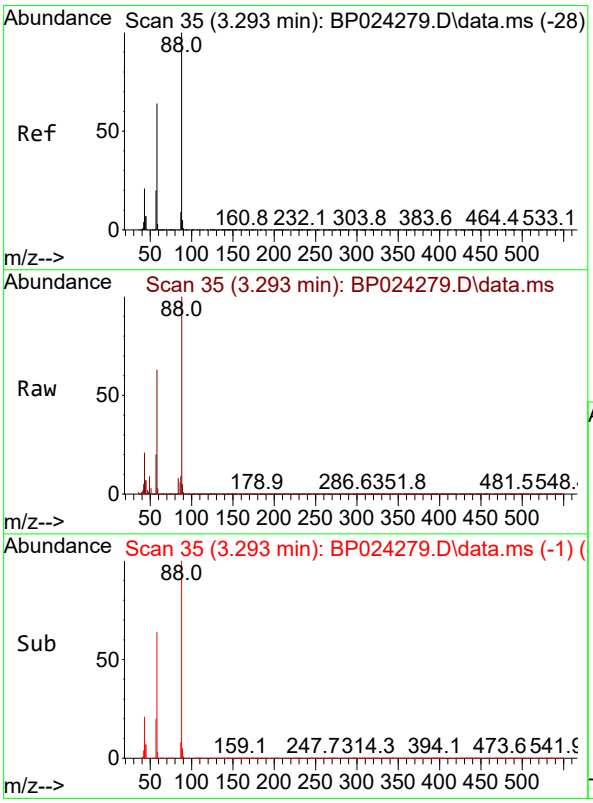
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.734 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 246363

Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.9	187.3
115	59.6	47.7	71.5

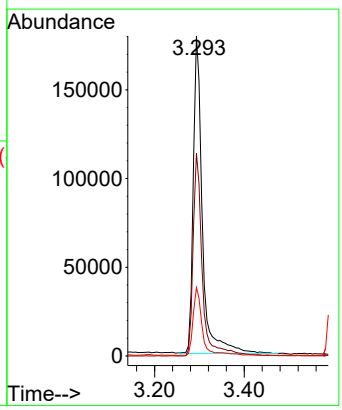


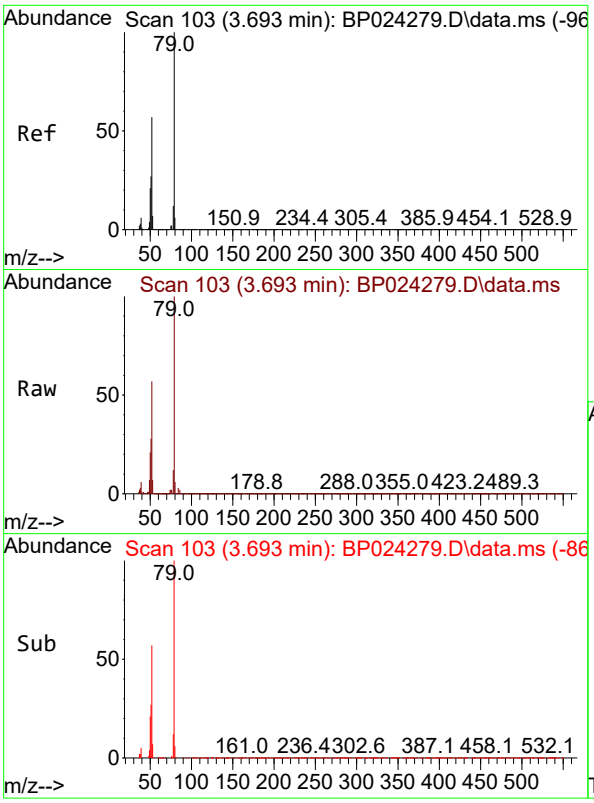


#2
1,4-Dioxane
Concen: 39.624 ng
RT: 3.293 min Scan# 35
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion: 88 Resp: 252519

Ion	Ratio	Lower	Upper
88	100		
58	64.3	51.4	77.2
43	21.4	17.1	25.7



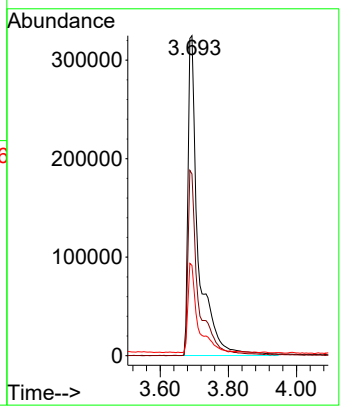


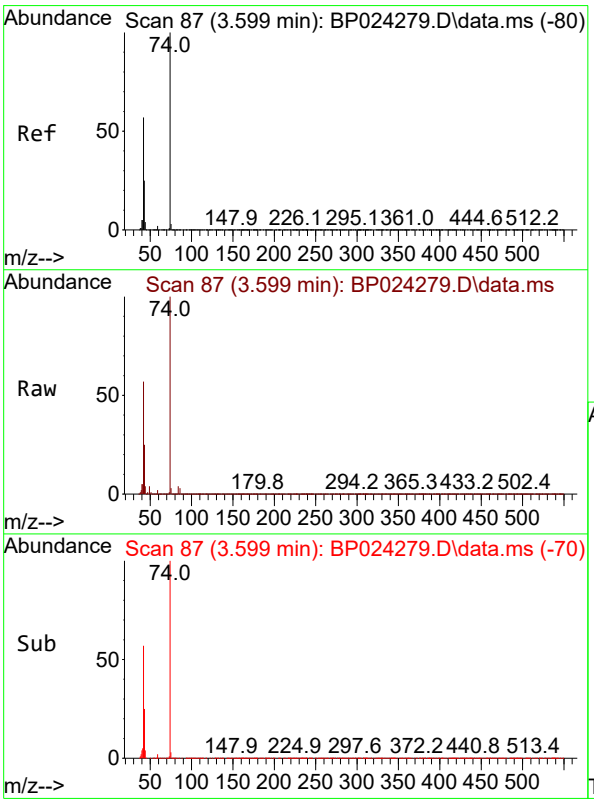
#3
Pyridine
Concen: 41.457 ng
RT: 3.693 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 687730

Ion	Ratio	Lower	Upper
79	100		
52	56.8	45.4	68.2
51	28.2	22.6	33.8

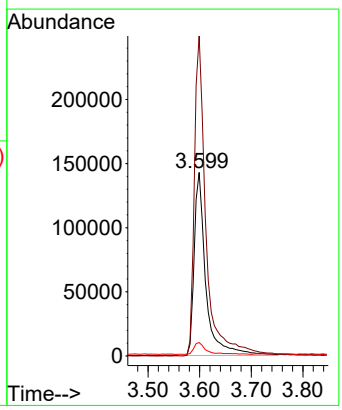


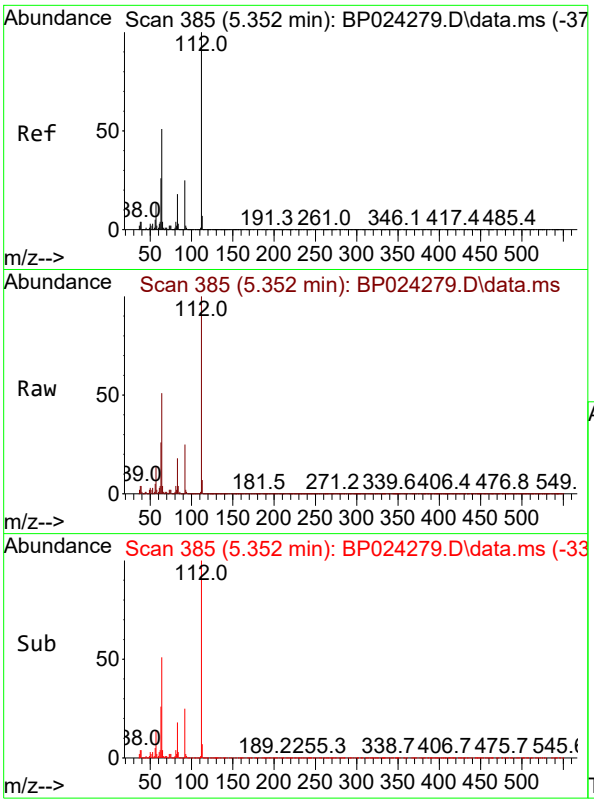


#4
n-Nitrosodimethylamine
Concen: 40.725 ng
RT: 3.599 min Scan# 87
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion: 42 Resp: 225273

Ion	Ratio	Lower	Upper
42	100		
74	174.4	139.5	209.3
44	7.3	5.8	8.8



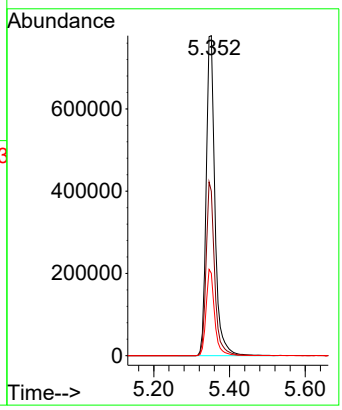


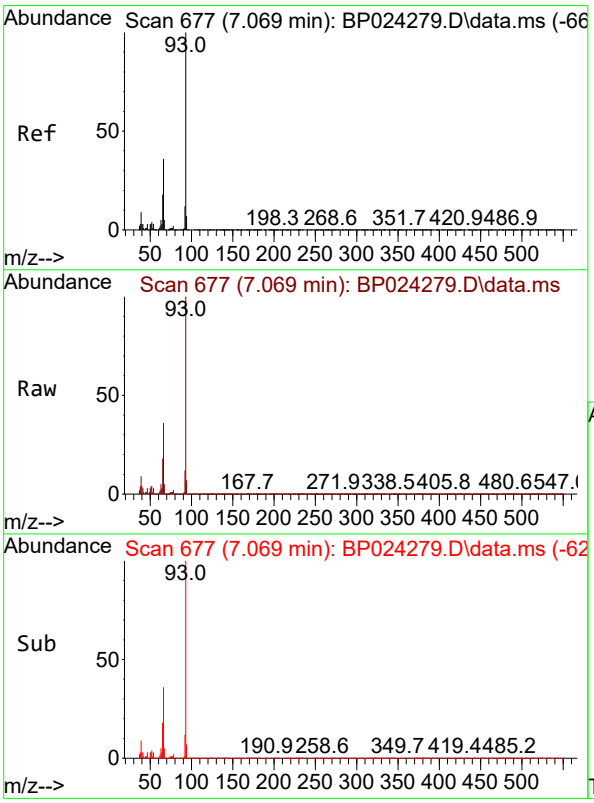
#5
2-Fluorophenol
Concen: 82.813 ng
RT: 5.352 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 1236220

Ion	Ratio	Lower	Upper
112	100		
64	51.4	41.1	61.7
63	25.7	20.6	30.8

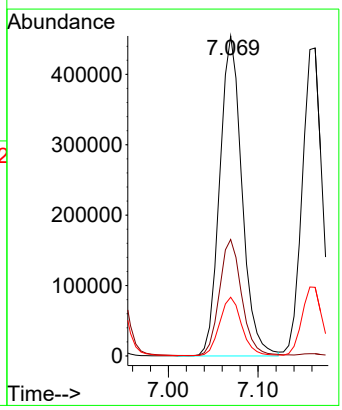


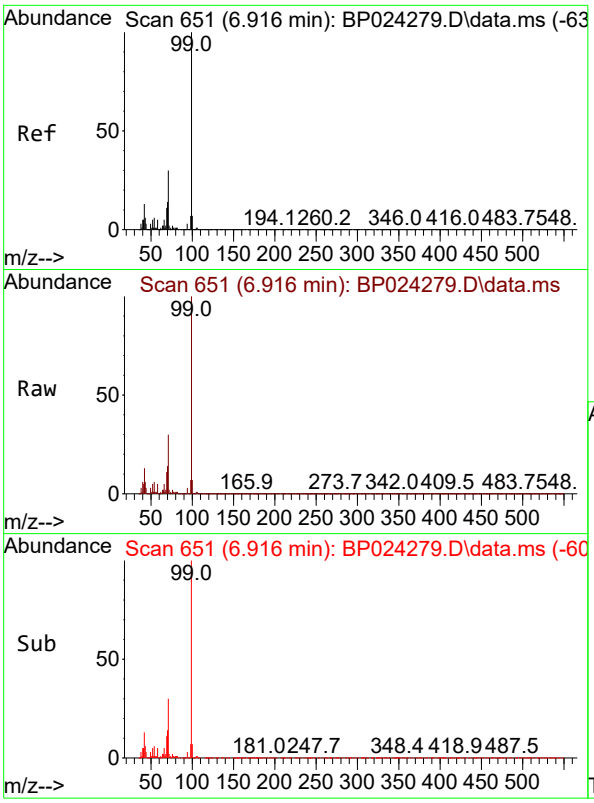


#6
Aniline
Concen: 42.413 ng
RT: 7.069 min Scan# 677
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion: 93 Resp: 781907

Ion	Ratio	Lower	Upper
93	100		
66	36.4	29.1	43.7
65	18.4	14.7	22.1



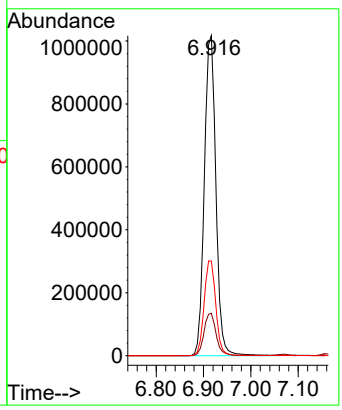


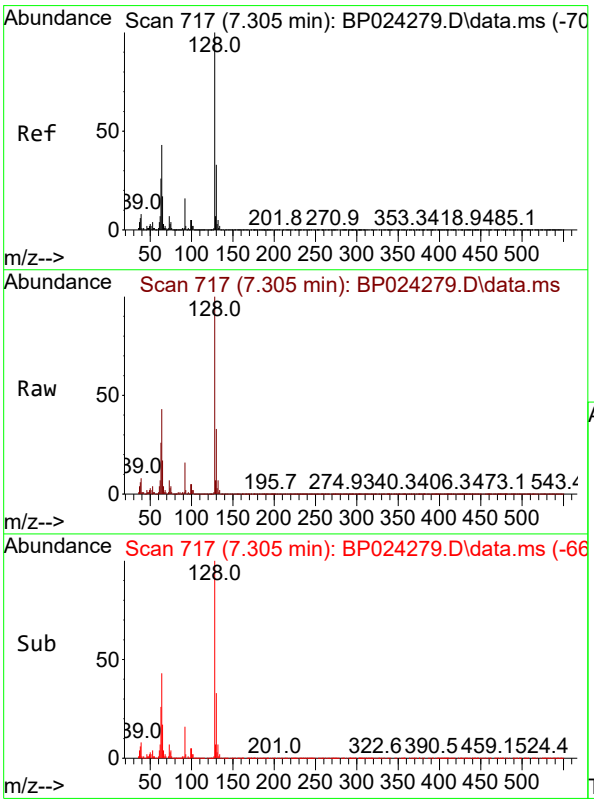
#7
Phenol-d6
Concen: 84.332 ng
RT: 6.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 1722202

Ion	Ratio	Lower	Upper
99	100		
42	13.3	10.6	16.0
71	29.6	23.7	35.5

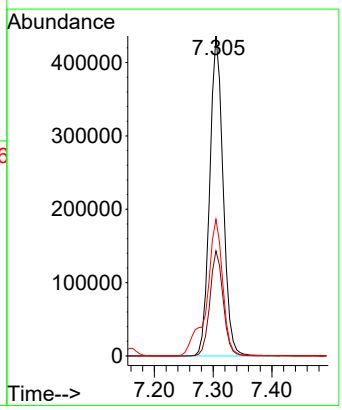


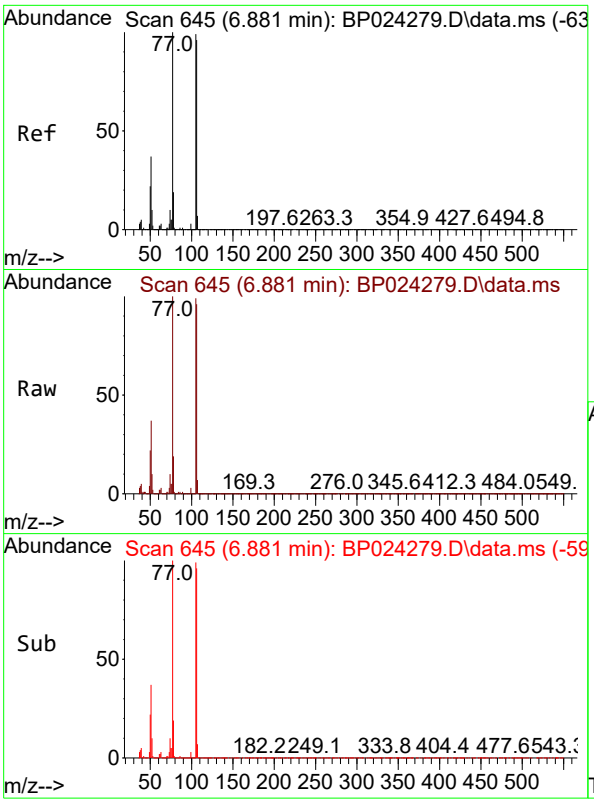


#8
2-Chlorophenol
Concen: 41.317 ng
RT: 7.305 min Scan# 717
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:128 Resp: 689257

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.9	52.9
64	42.7	22.7	62.7



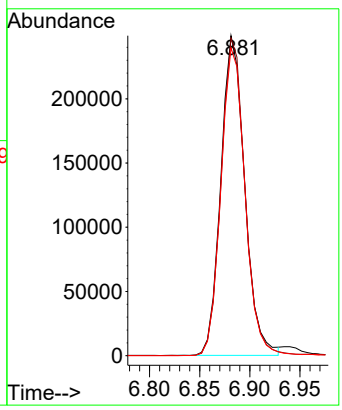


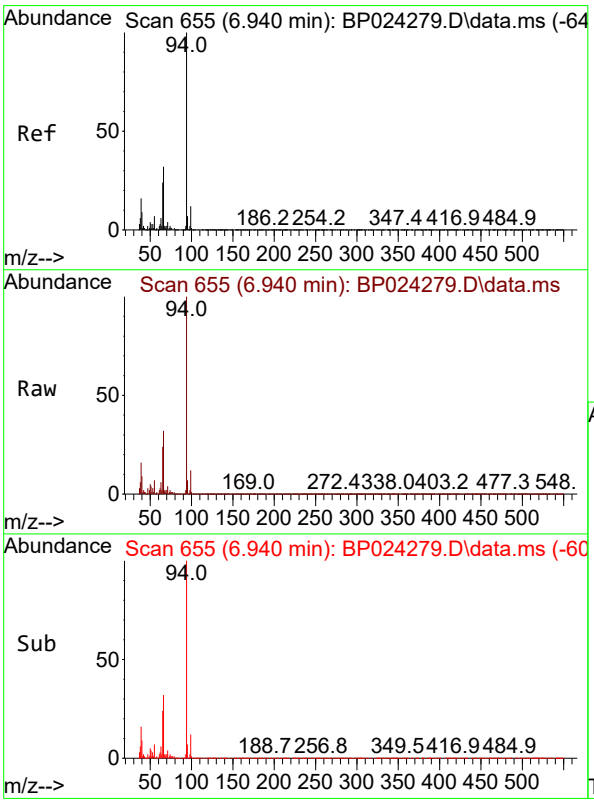
#9
Benzaldehyde
Concen: 38.937 ng
RT: 6.881 min Scan# 64
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 411846

Ion	Ratio	Lower	Upper
77	100		
105	99.2	79.2	119.2
106	96.2	76.2	116.2

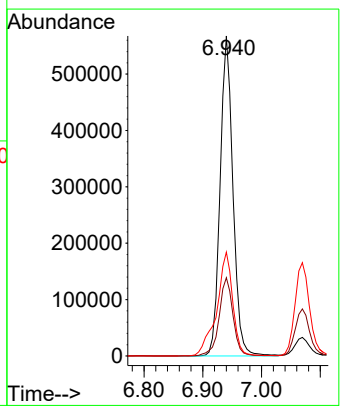


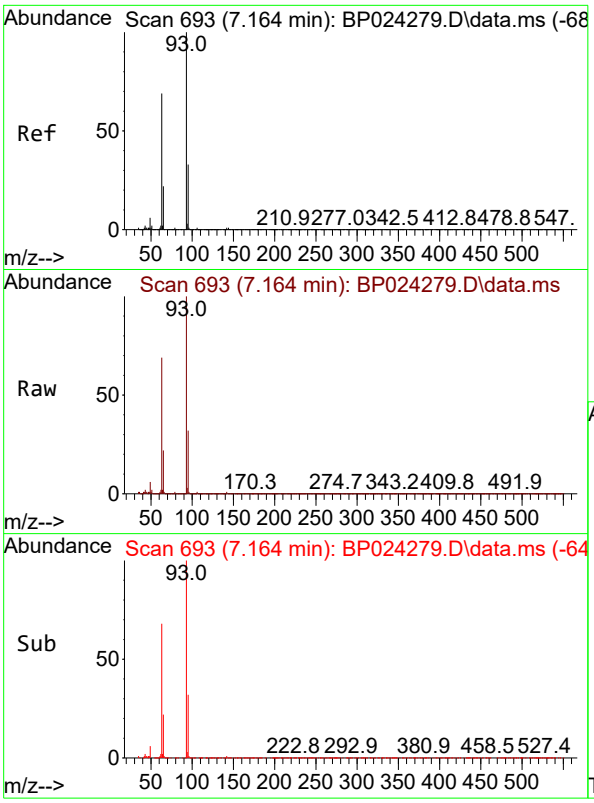


#10
Phenol
Concen: 42.050 ng
RT: 6.940 min Scan# 655
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion: 94 Resp: 862244

Ion	Ratio	Lower	Upper
94	100		
65	24.5	4.5	44.5
66	32.4	12.4	52.4



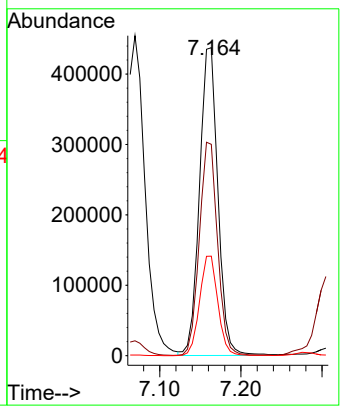


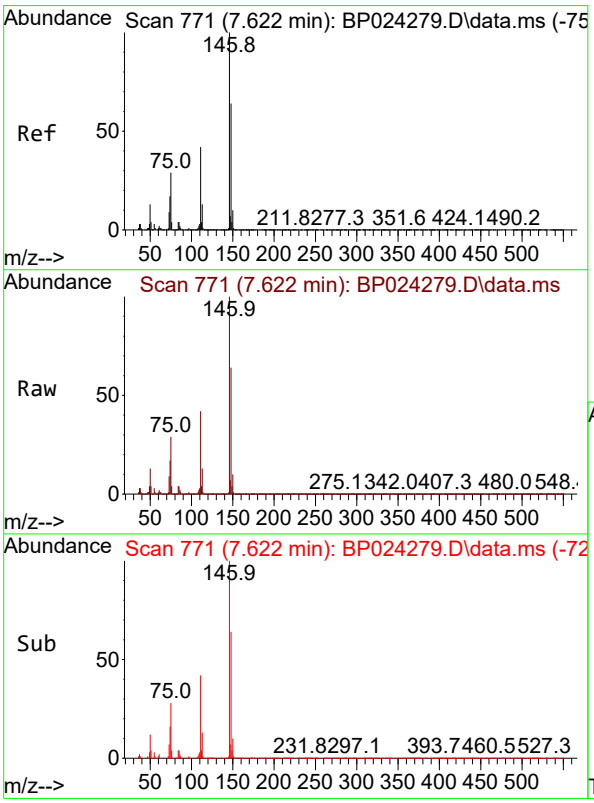
#11
bis(2-Chloroethyl)ether
Concen: 41.581 ng
RT: 7.164 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 688989

Ion	Ratio	Lower	Upper
93	100		
63	68.6	48.6	88.6
95	32.3	12.3	52.3

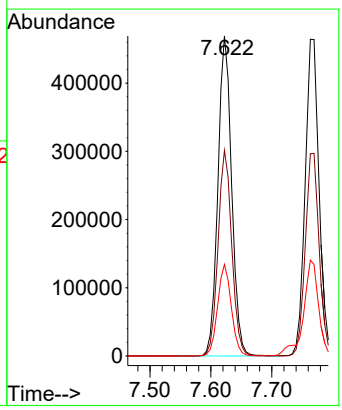


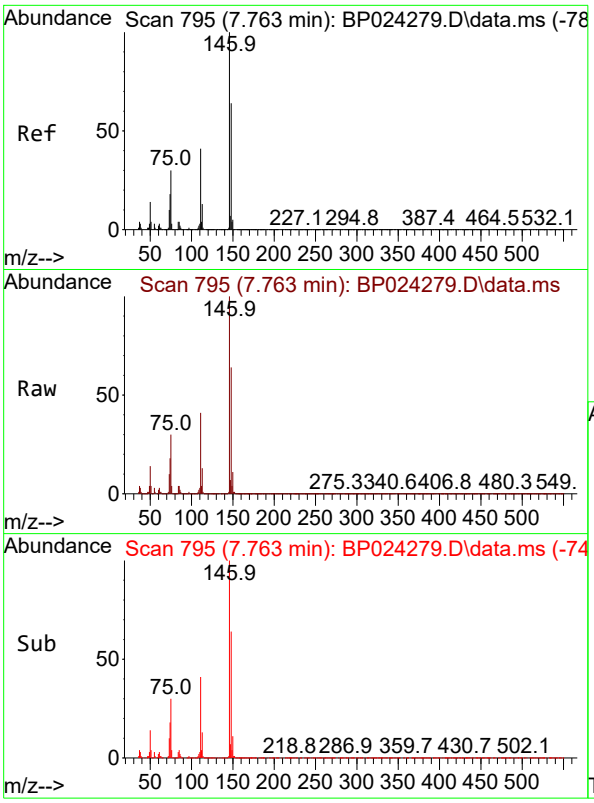


#12
1,3-Dichlorobenzene
Concen: 40.516 ng
RT: 7.622 min Scan# 771
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:146 Resp: 732329

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.4	77.0
75	28.6	22.9	34.3



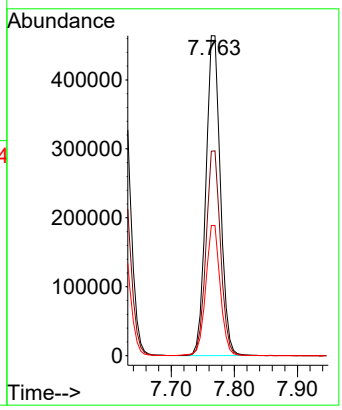


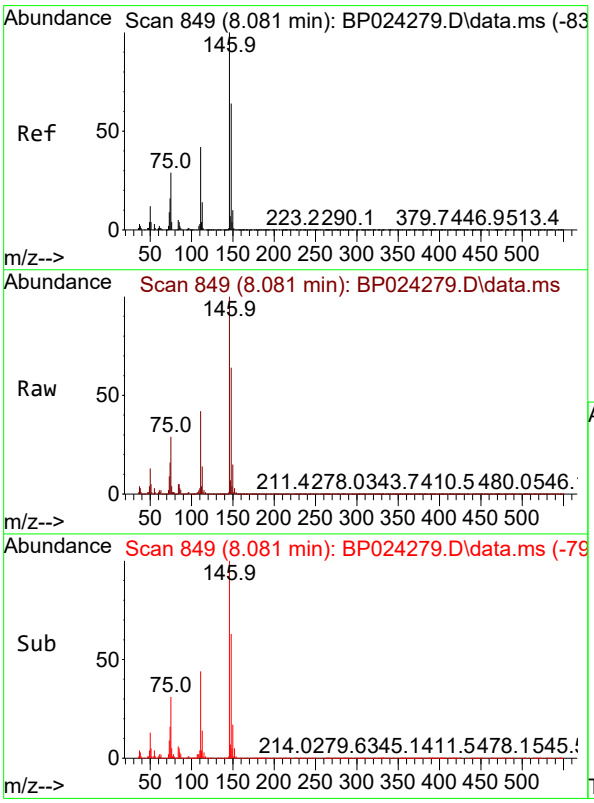
#13
1,4-Dichlorobenzene
Concen: 40.171 ng
RT: 7.763 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 736270

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.1	76.7
111	40.7	32.6	48.8

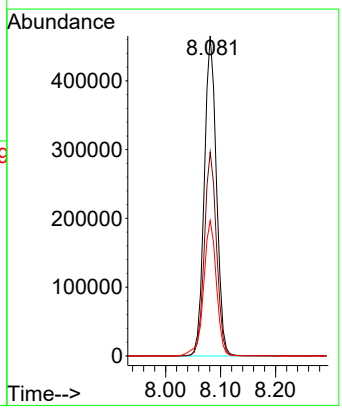


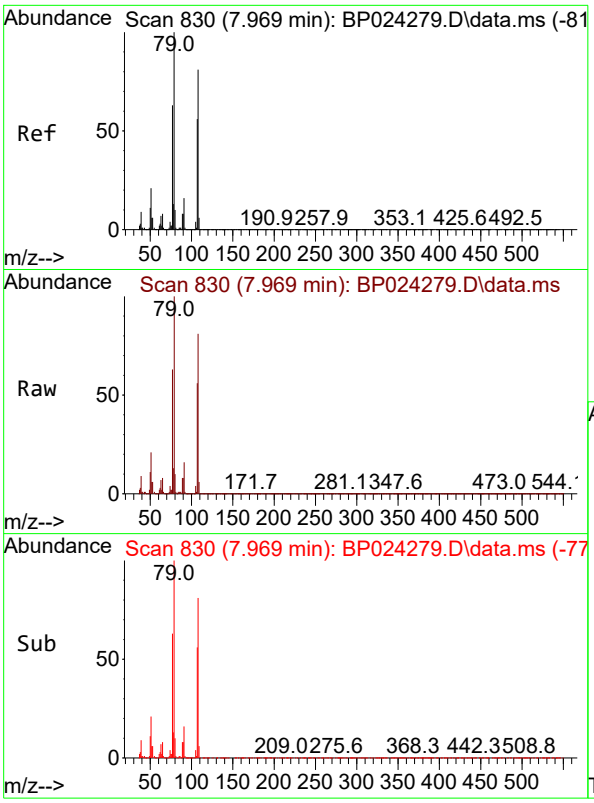


#14
1,2-Dichlorobenzene
Concen: 40.172 ng
RT: 8.081 min Scan# 849
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:146 Resp: 711951

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.4
111	42.3	33.8	50.8



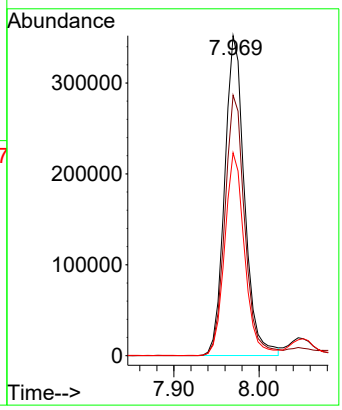


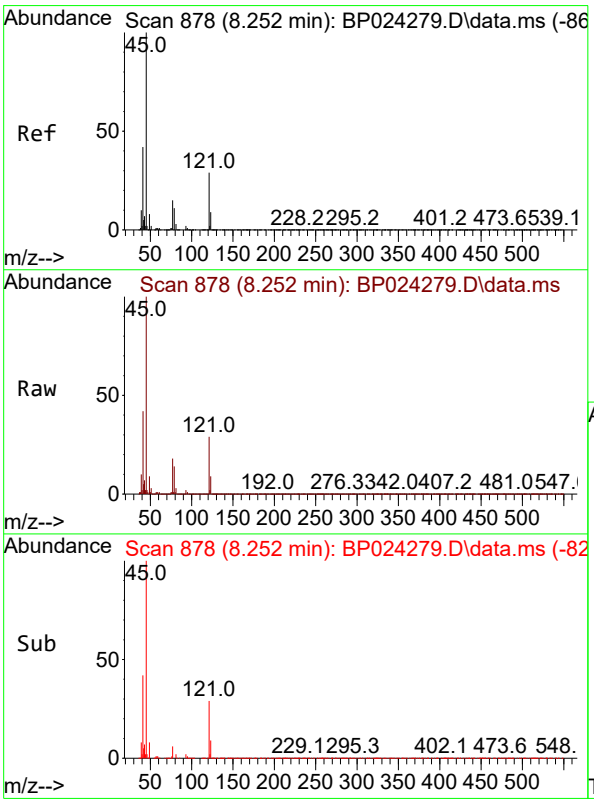
#15
Benzyl Alcohol
Concen: 43.581 ng
RT: 7.969 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 570437

Ion	Ratio	Lower	Upper
79	100		
108	81.4	65.1	97.7
77	63.4	50.7	76.1

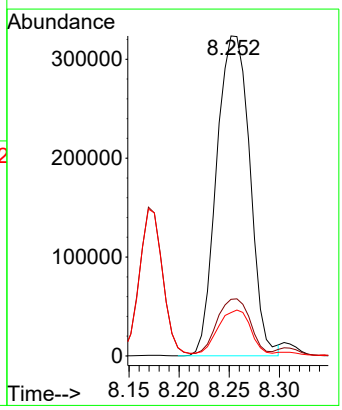


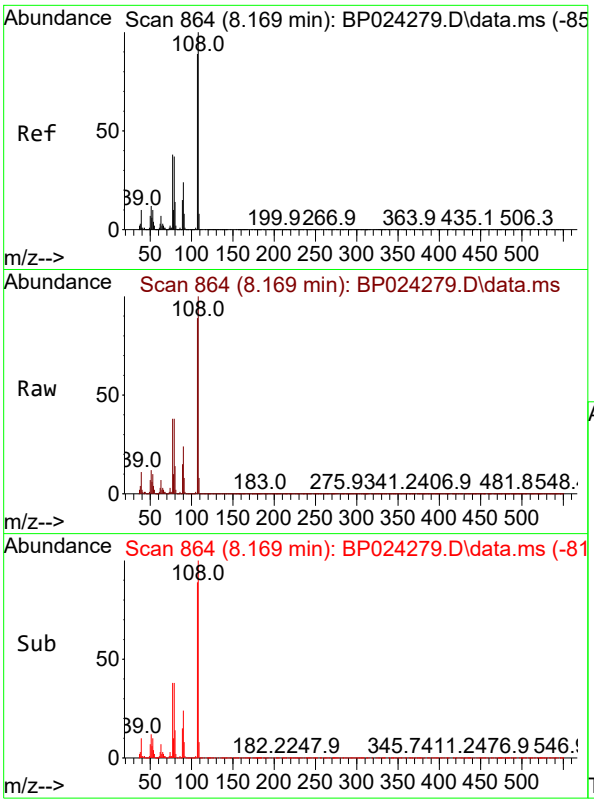


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.386 ng
RT: 8.252 min Scan# 878
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion: 45 Resp: 746041

Ion	Ratio	Lower	Upper
45	100		
77	17.7	0.0	37.7
79	13.5	0.0	33.5



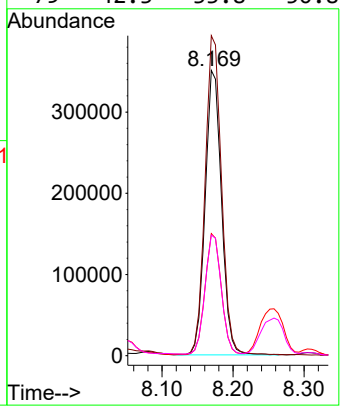


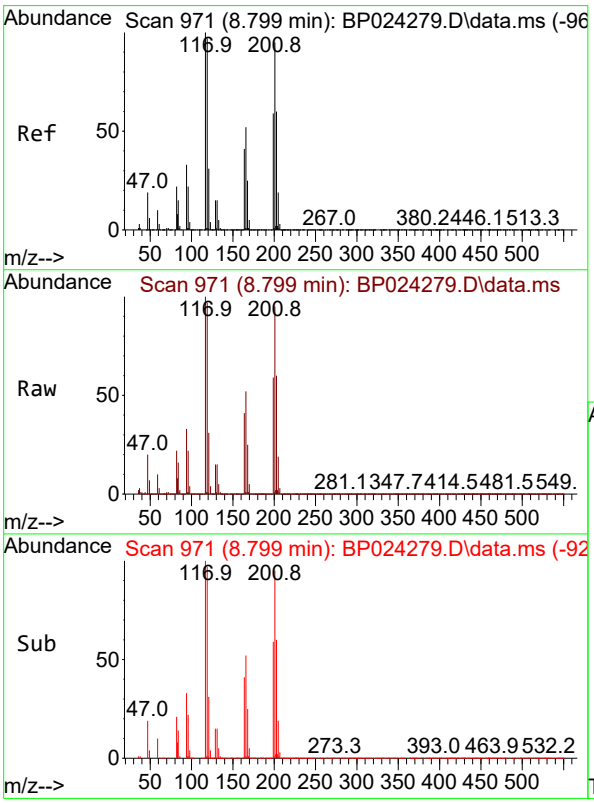
#17
2-Methylphenol
Concen: 42.503 ng
RT: 8.169 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 561621

Ion	Ratio	Lower	Upper
107	100		
108	112.2	89.8	134.6
77	42.8	34.2	51.4
79	42.3	33.8	50.8

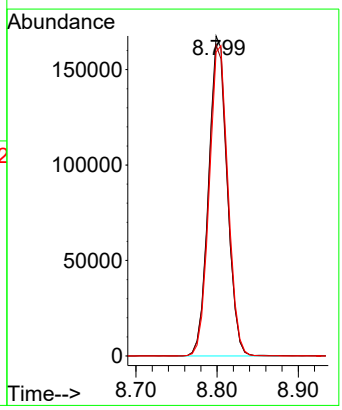


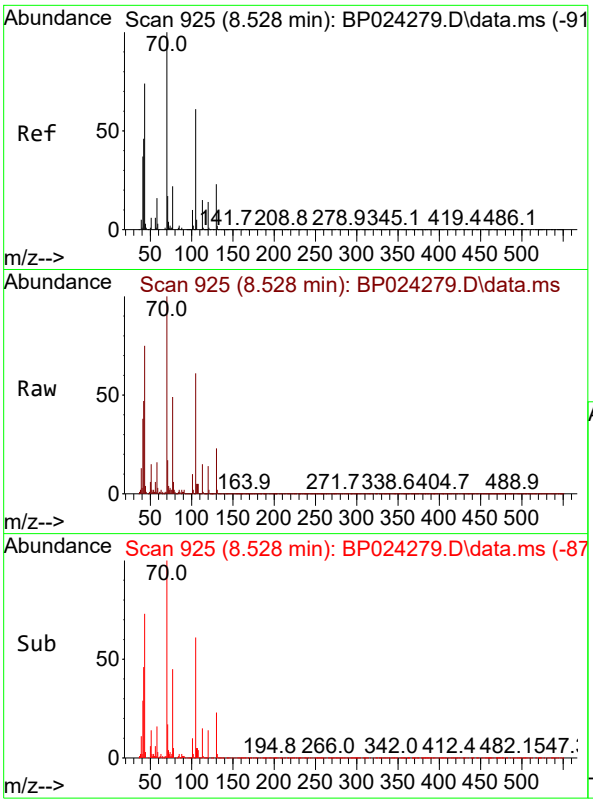


#18
Hexachloroethane
Concen: 40.349 ng
RT: 8.799 min Scan# 971
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:117 Resp: 266915

Ion	Ratio	Lower	Upper
117	100		
119	97.2	77.8	116.6
201	94.9	75.9	113.9



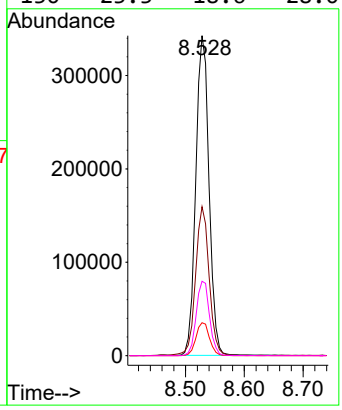


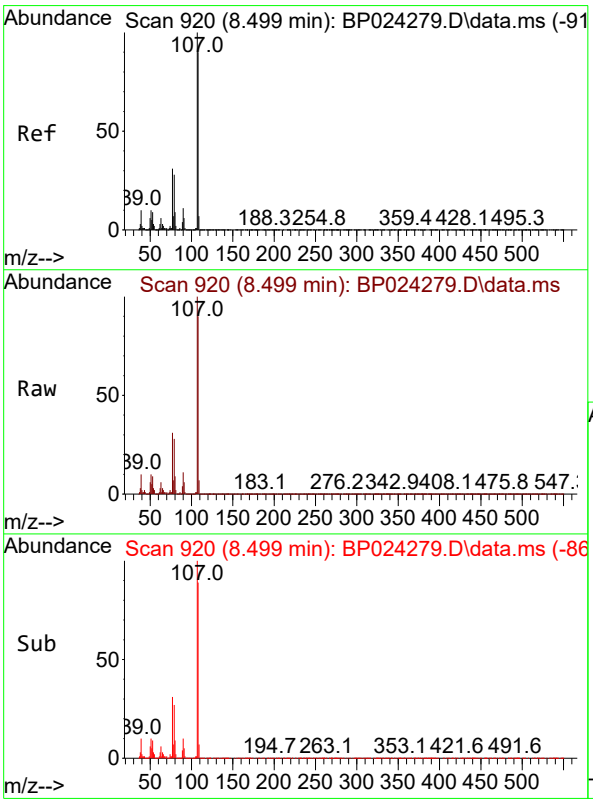
#19
n-Nitroso-di-n-propylamine
Concen: 42.092 ng
RT: 8.528 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 533912

Ion	Ratio	Lower	Upper
70	100		
42	46.6	37.3	55.9
101	10.3	8.2	12.4
130	23.3	18.6	28.0

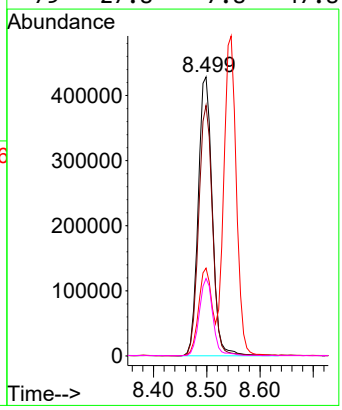


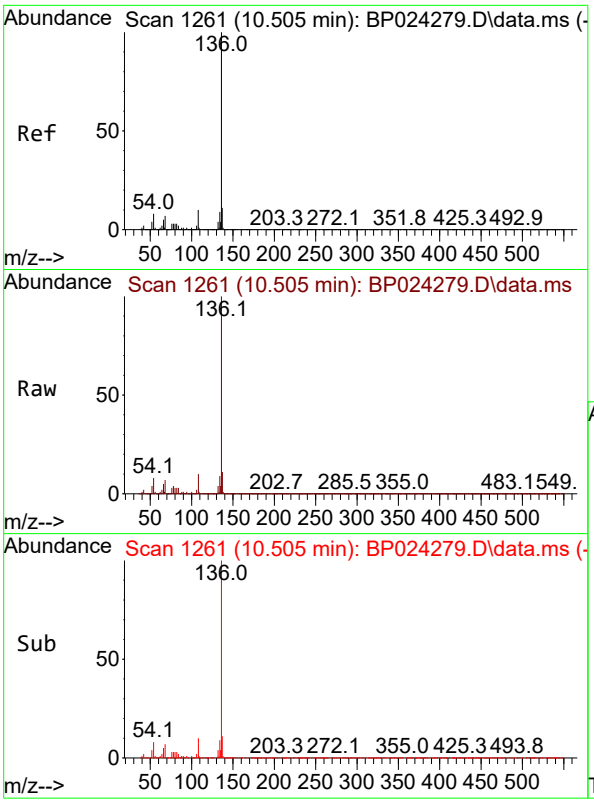


#20
3+4-Methylphenols
Concen: 42.854 ng
RT: 8.499 min Scan# 920
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:107 Resp: 784336

Ion	Ratio	Lower	Upper
107	100		
108	89.8	69.8	109.8
77	31.5	11.5	51.5
79	27.8	7.8	47.8



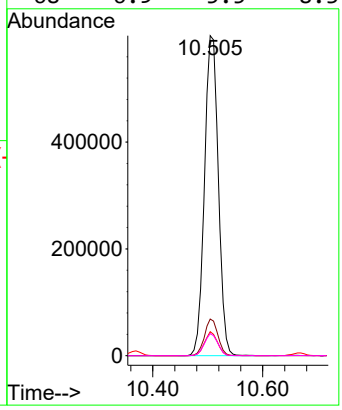


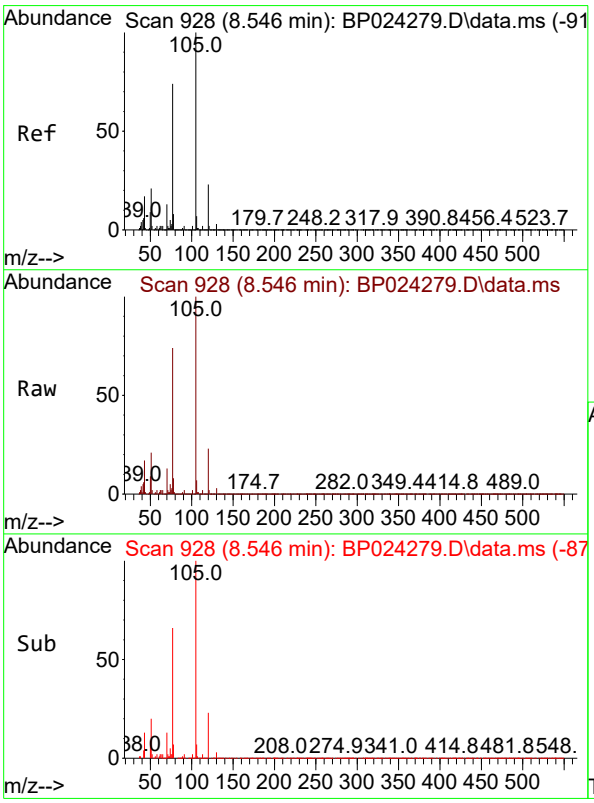
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.505 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 1046876

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	7.5	6.0	9.0
68	6.9	5.5	8.3

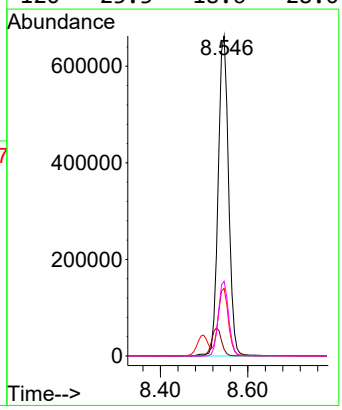


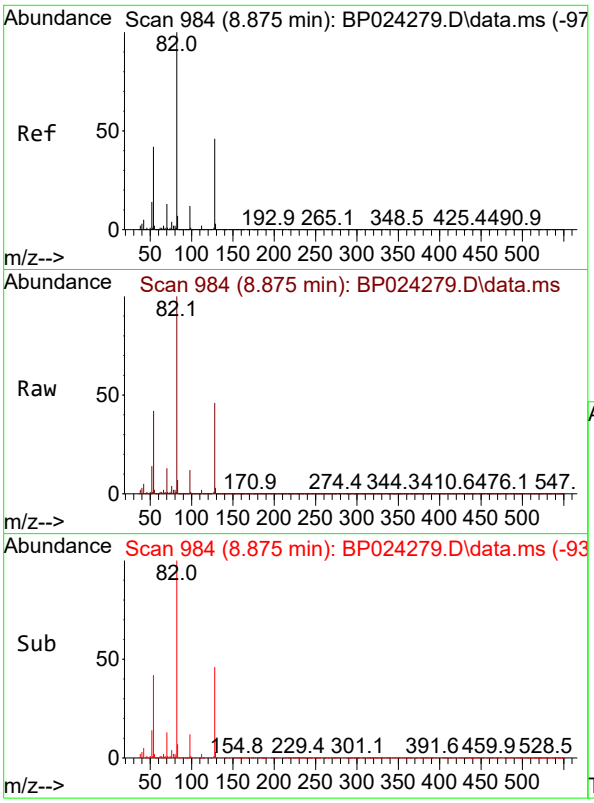


#22
Acetophenone
Concen: 41.770 ng
RT: 8.546 min Scan# 928
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:105 Resp: 1086788

Ion	Ratio	Lower	Upper
105	100		
71	2.1	1.7	2.5
51	21.1	16.9	25.3
120	23.3	18.6	28.0



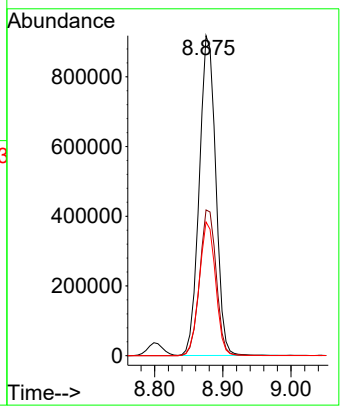


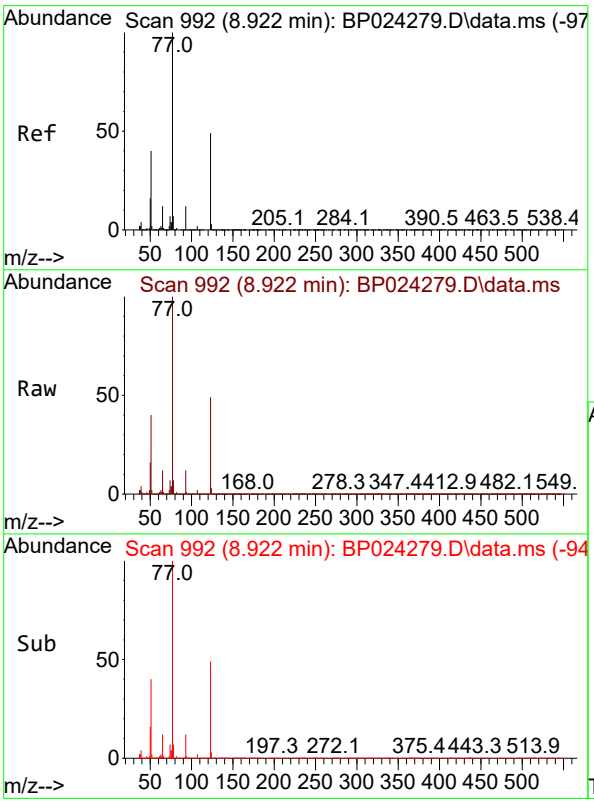
#23
Nitrobenzene-d5
Concen: 83.791 ng
RT: 8.875 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1540790

Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.5	54.7
54	41.8	33.4	50.2

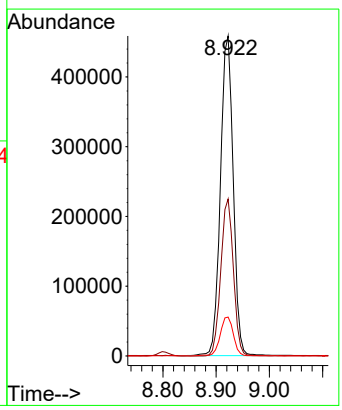


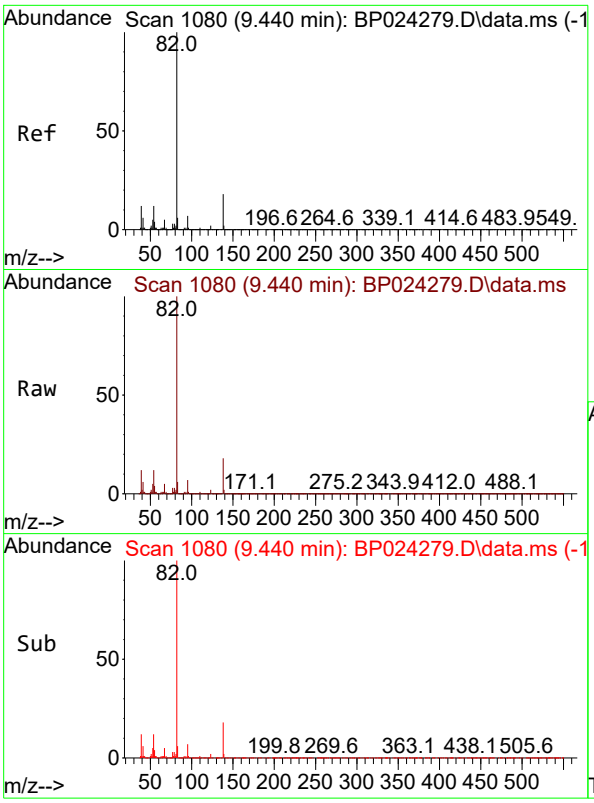


#24
Nitrobenzene
Concen: 41.852 ng
RT: 8.922 min Scan# 992
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion: 77 Resp: 762756

Ion	Ratio	Lower	Upper
77	100		
123	49.0	39.2	58.8
65	12.2	9.8	14.6



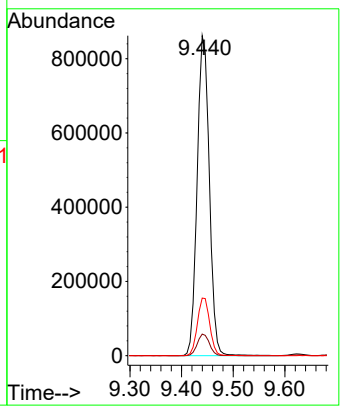


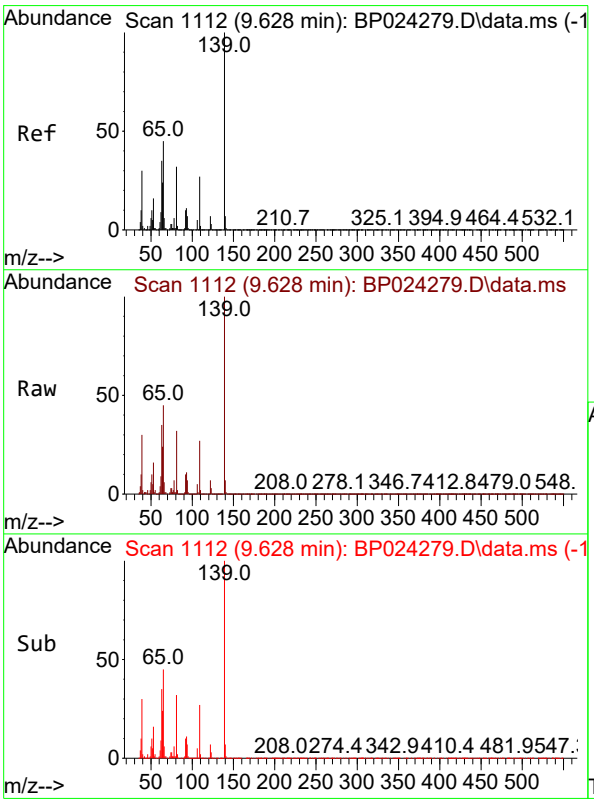
#25
Isophorone
Concen: 42.419 ng
RT: 9.440 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1408146

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.4	8.2
138	18.0	14.4	21.6

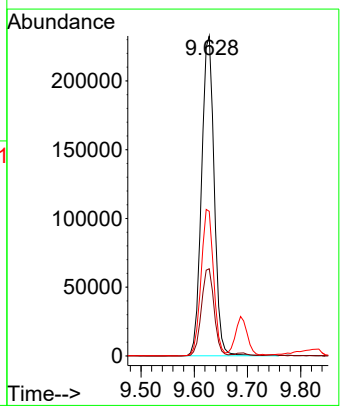


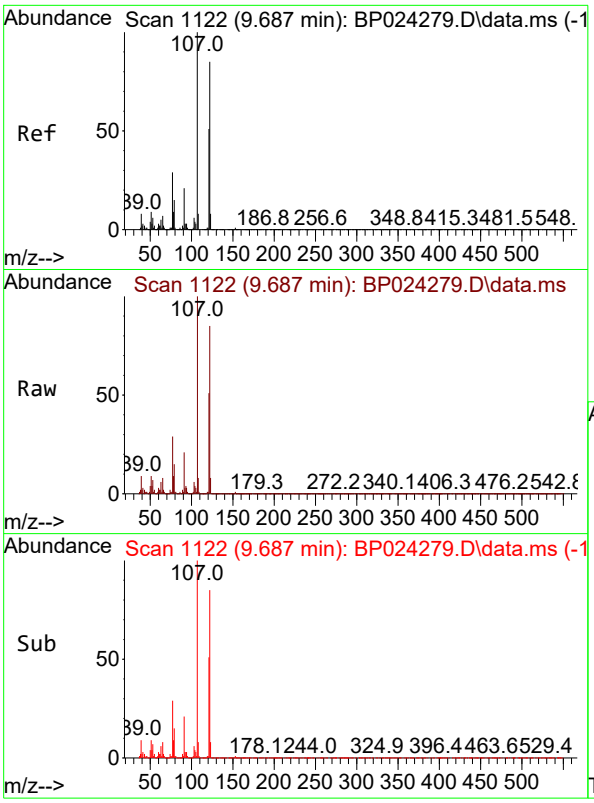


#26
2-Nitrophenol
Concen: 43.852 ng
RT: 9.628 min Scan# 1112
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:139 Resp: 383751

Ion	Ratio	Lower	Upper
139	100		
109	27.2	21.8	32.6
65	45.2	36.2	54.2



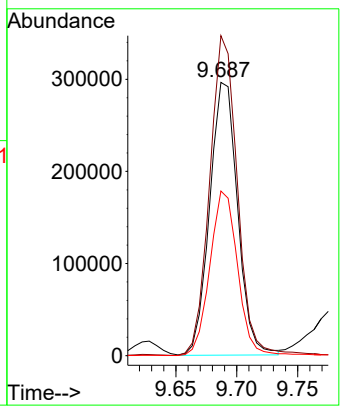


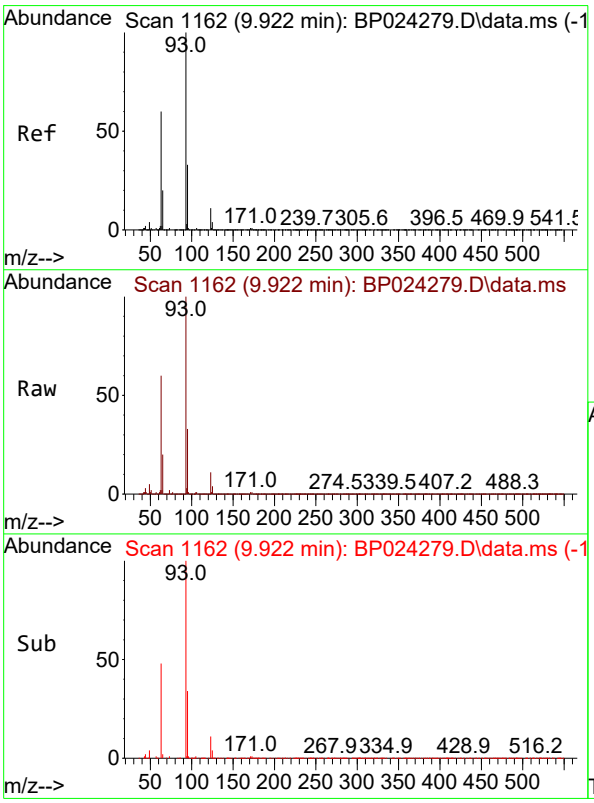
#27
2,4-Dimethylphenol
Concen: 42.600 ng
RT: 9.687 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 472488

Ion	Ratio	Lower	Upper
122	100		
107	117.1	93.7	140.5
121	60.2	48.2	72.2

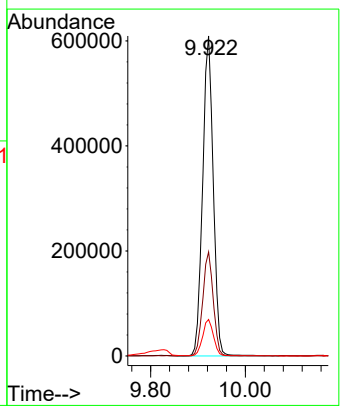


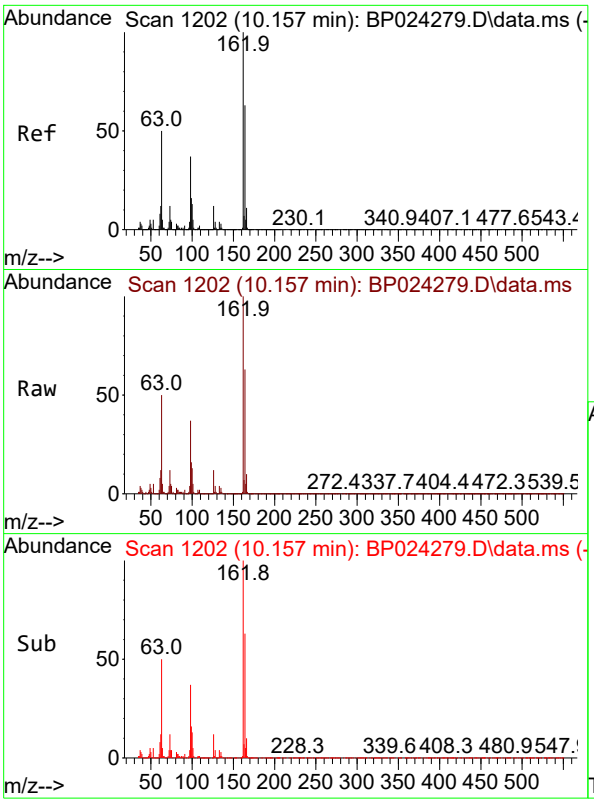


#28
bis(2-Chloroethoxy)methane
Concen: 41.926 ng
RT: 9.922 min Scan# 1162
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion: 93 Resp: 947250

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.0	39.0
123	11.4	9.1	13.7



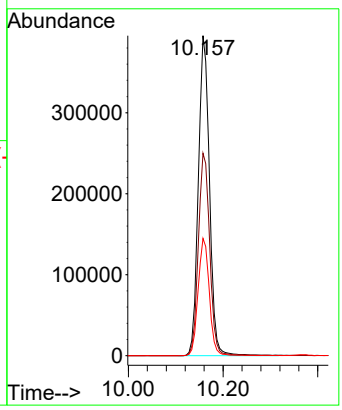


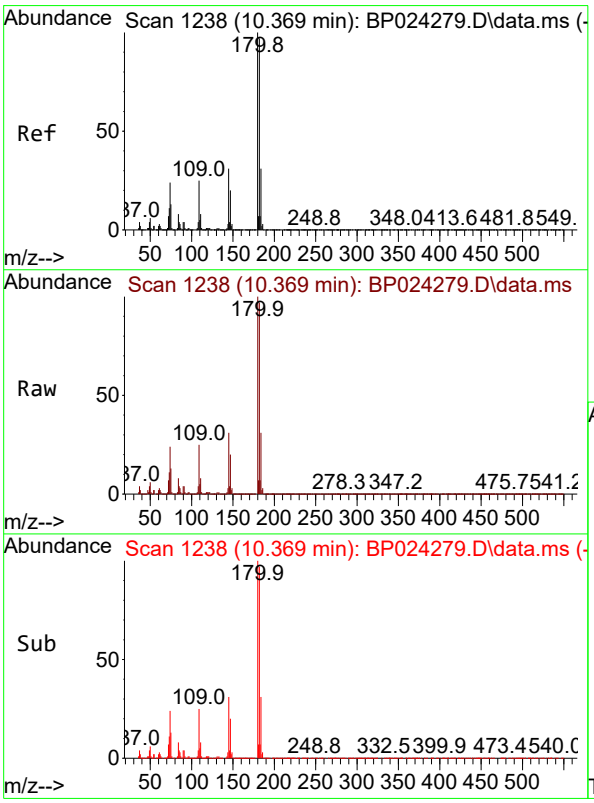
#29
2,4-Dichlorophenol
Concen: 42.725 ng
RT: 10.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 645849

Ion	Ratio	Lower	Upper
162	100		
164	63.3	43.3	83.3
98	36.6	16.6	56.6

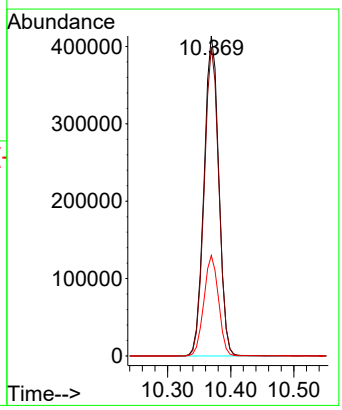


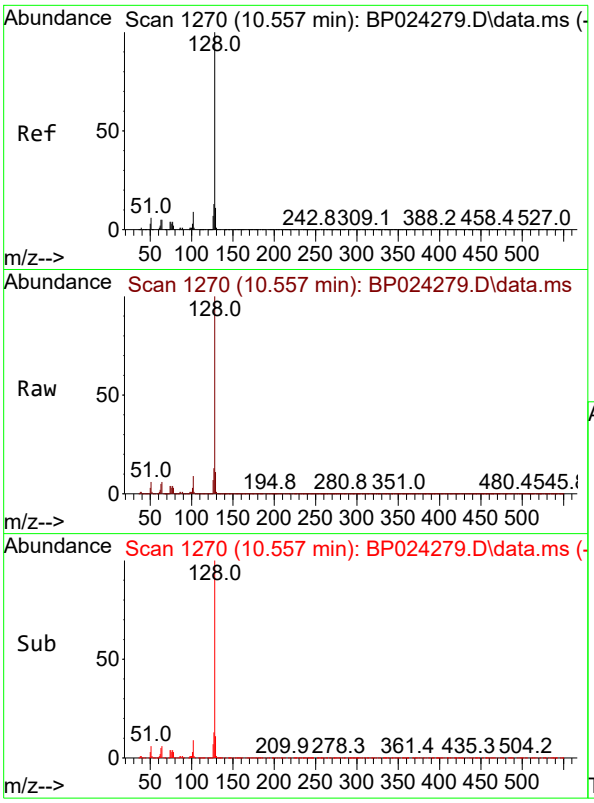


#30
1,2,4-Trichlorobenzene
Concen: 41.046 ng
RT: 10.369 min Scan# 1238
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:180 Resp: 671264

Ion	Ratio	Lower	Upper
180	100		
182	96.6	77.3	115.9
145	31.4	25.1	37.7



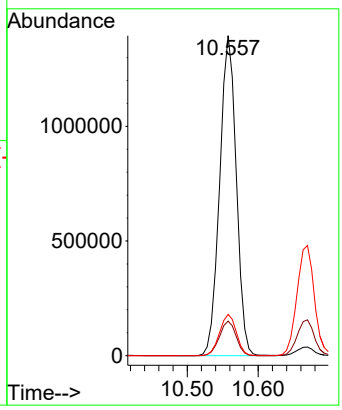


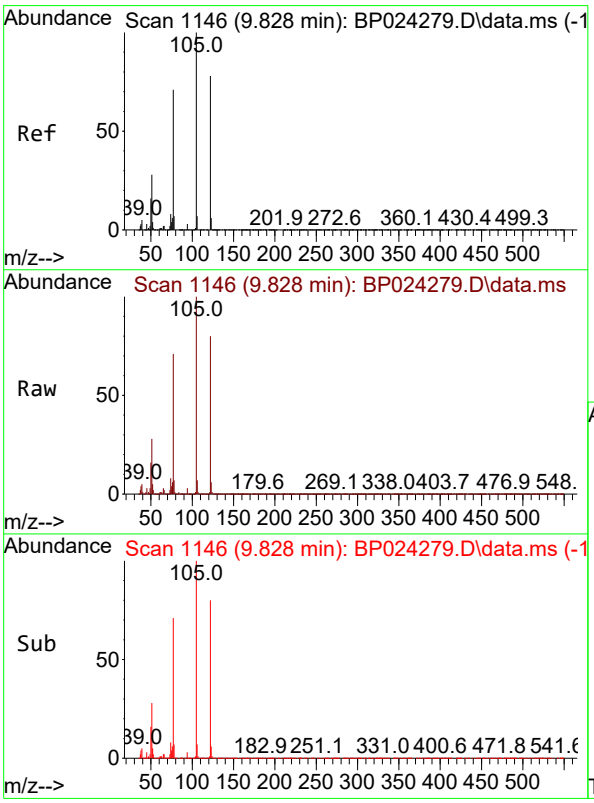
#31
Naphthalene
Concen: 40.765 ng
RT: 10.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 2258924

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	12.9	10.3	15.5

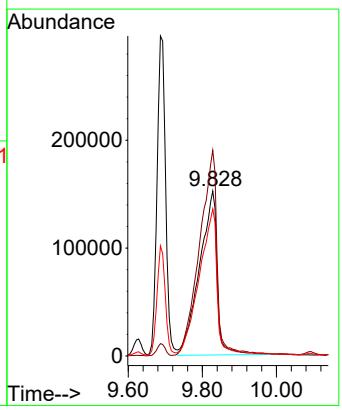


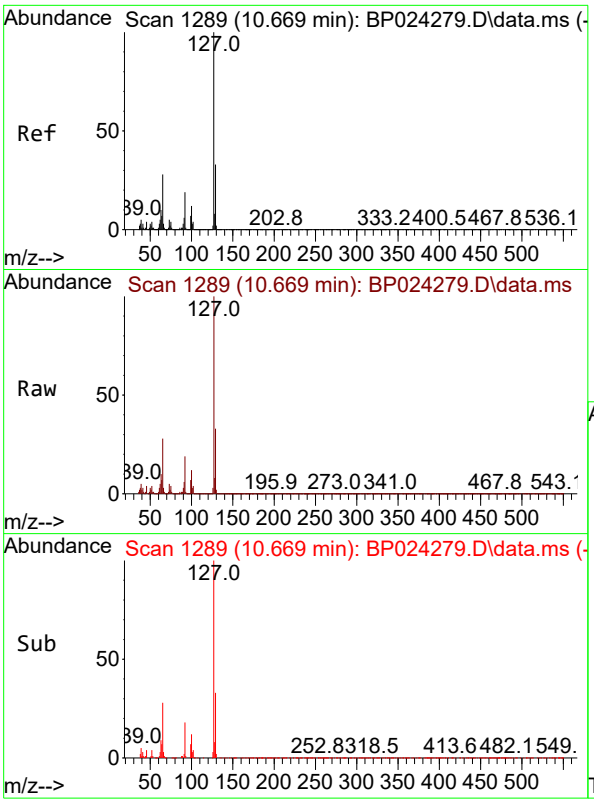


#32
Benzoic acid
Concen: 42.286 ng
RT: 9.828 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:122 Resp: 506813

Ion	Ratio	Lower	Upper
122	100		
105	124.8	104.8	144.8
77	89.2	69.2	109.2



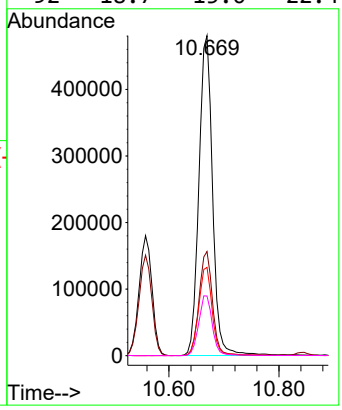


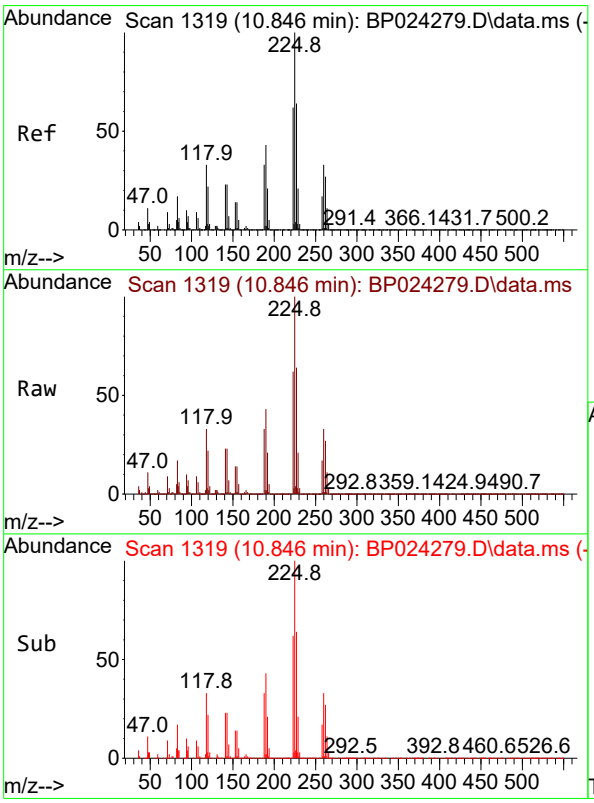
#33
4-Chloroaniline
Concen: 42.913 ng
RT: 10.669 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 830870

Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.1	39.1
65	27.6	22.1	33.1
92	18.7	15.0	22.4

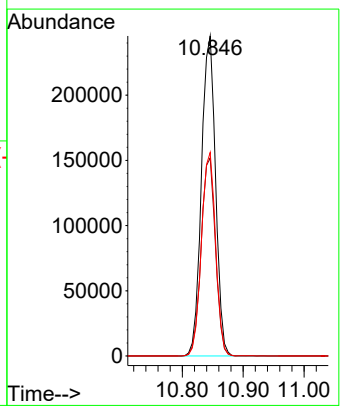


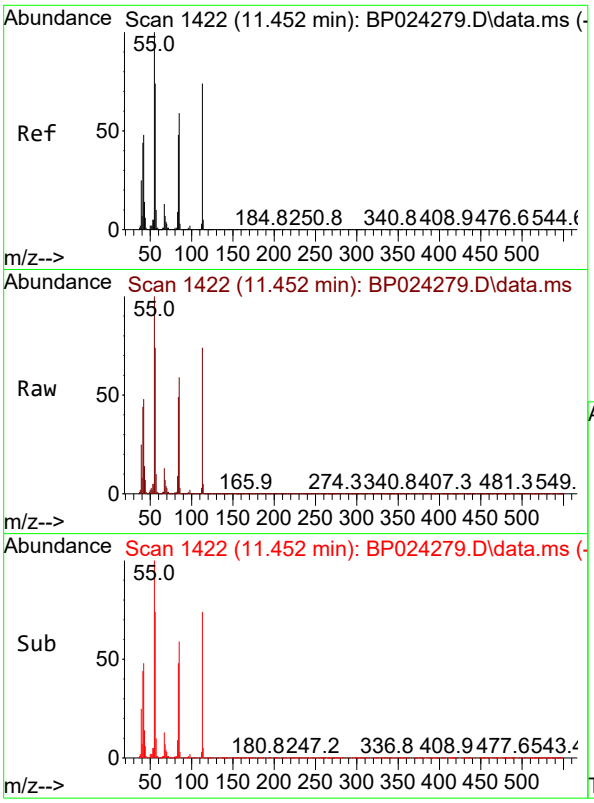


#34
Hexachlorobutadiene
Concen: 41.146 ng
RT: 10.846 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:225 Resp: 394737

Ion	Ratio	Lower	Upper
225	100		
223	61.9	49.5	74.3
227	63.6	50.9	76.3



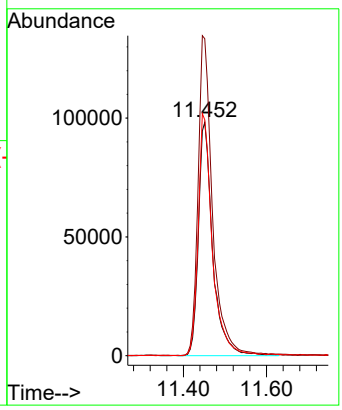


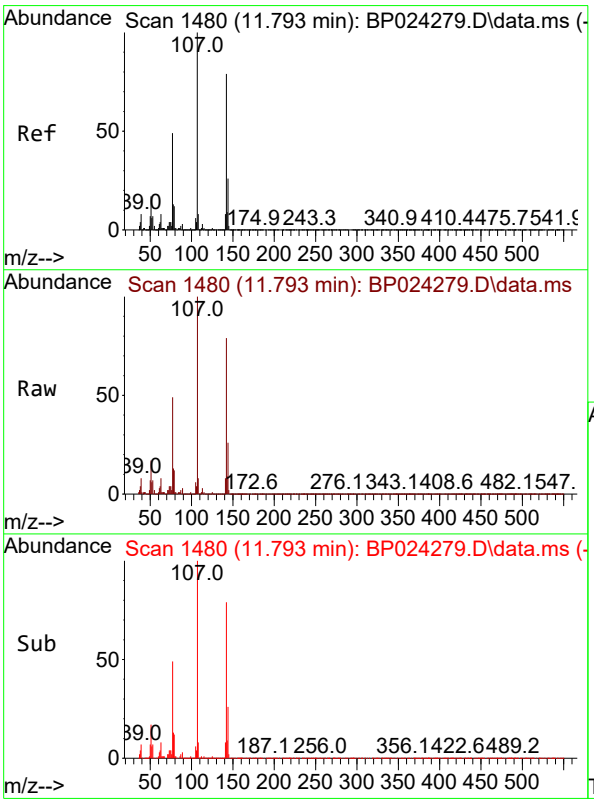
#35
Caprolactam
Concen: 42.256 ng
RT: 11.452 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 234519

Ion	Ratio	Lower	Upper
113	100		
55	135.9	115.9	155.9
56	101.1	81.1	121.1

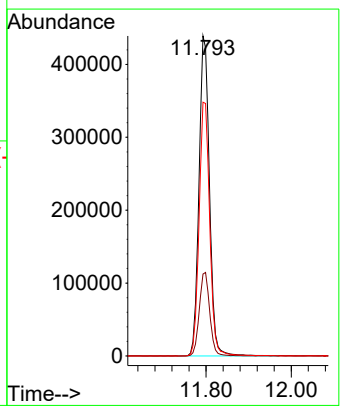


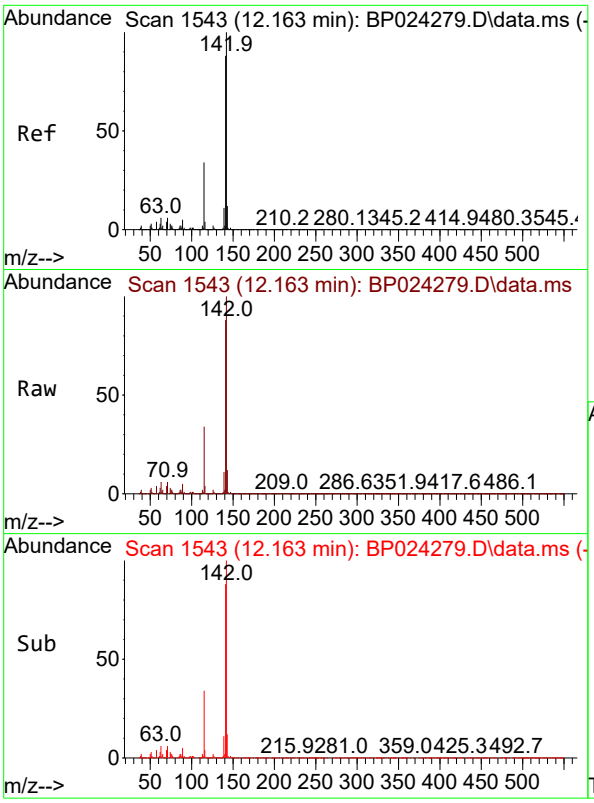


#36
4-Chloro-3-methylphenol
Concen: 42.438 ng
RT: 11.793 min Scan# 1480
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:107 Resp: 747541

Ion	Ratio	Lower	Upper
107	100		
144	25.6	20.5	30.7
142	79.3	63.4	95.2



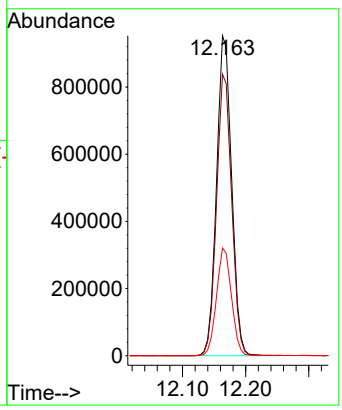


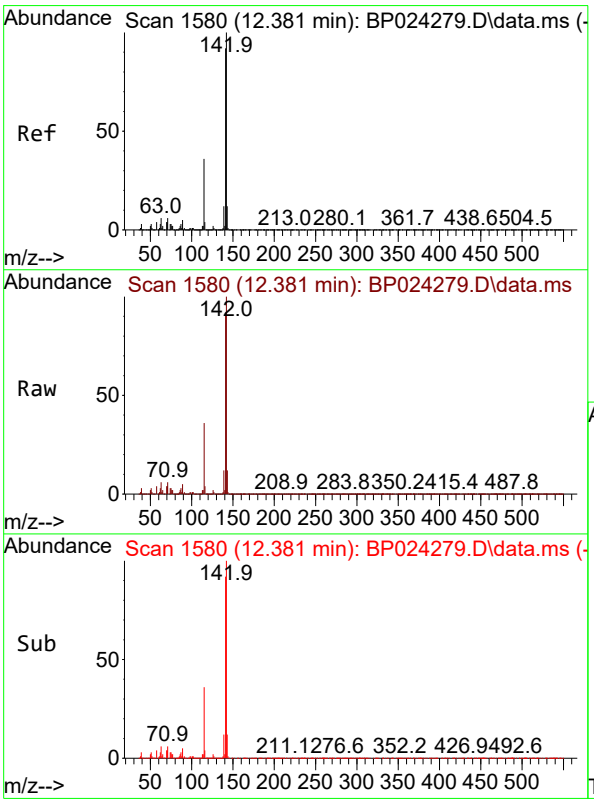
#37
2-Methylnaphthalene
Concen: 41.154 ng
RT: 12.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 1580497

Ion	Ratio	Lower	Upper
142	100		
141	87.9	70.3	105.5
115	33.6	26.9	40.3

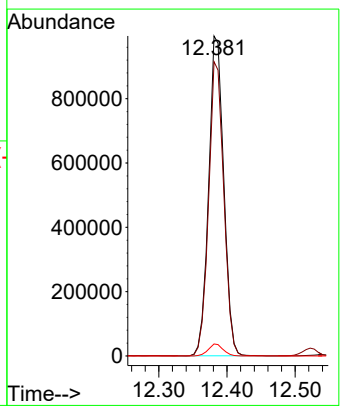


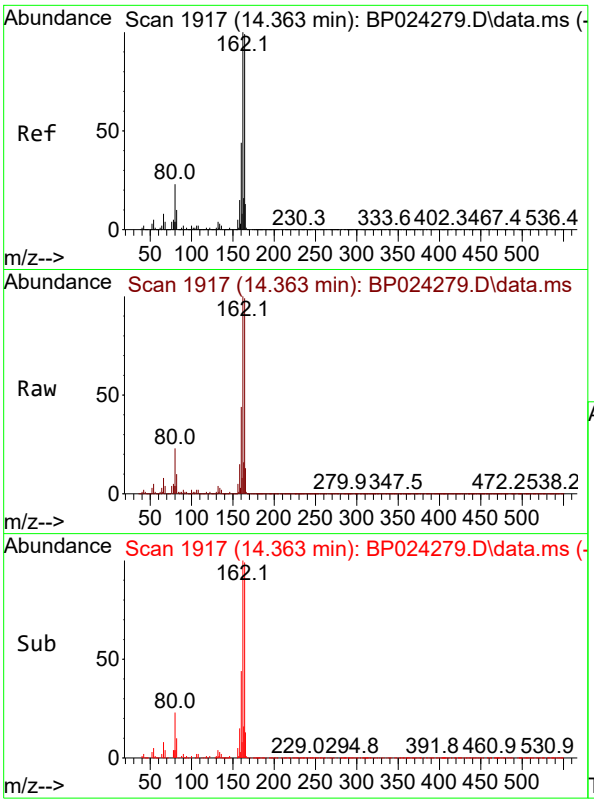


#38
1-Methylnaphthalene
Concen: 40.695 ng
RT: 12.381 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:142 Resp: 1530982

Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.6	110.4
116	3.8	3.0	4.6



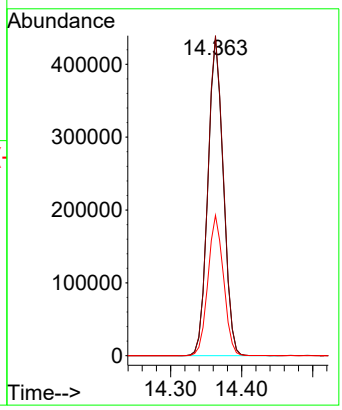


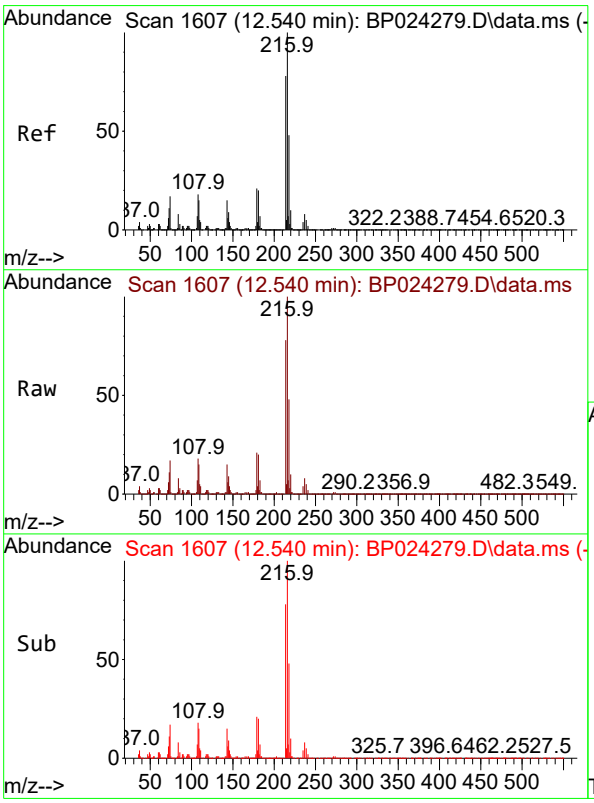
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.363 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 657357

Ion	Ratio	Lower	Upper
164	100		
162	100.7	80.6	120.8
160	44.1	35.3	52.9

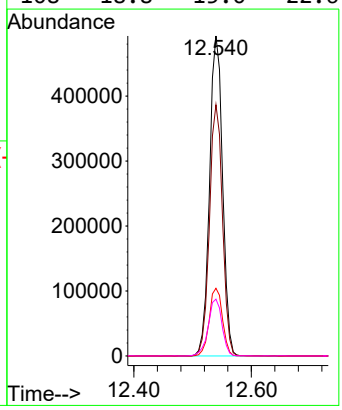


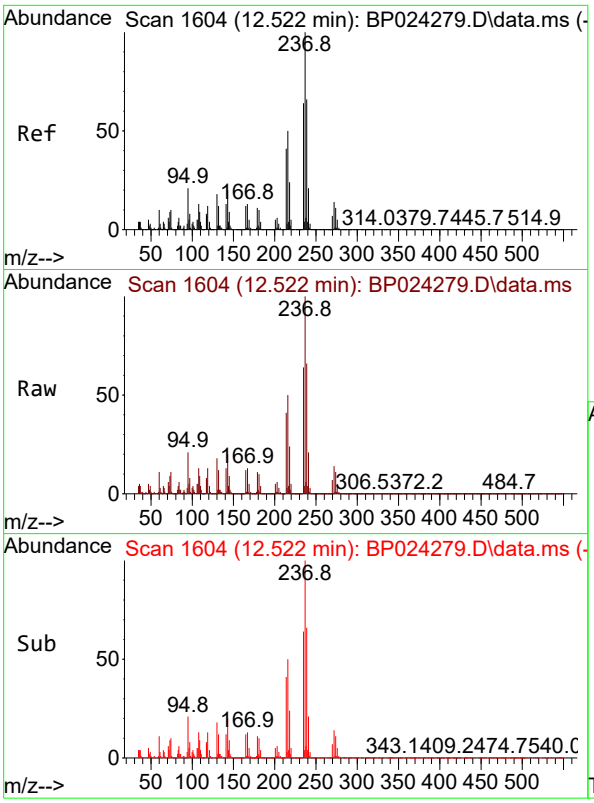


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.945 ng
RT: 12.540 min Scan# 1607
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:216 Resp: 757748

Ion	Ratio	Lower	Upper
216	100		
214	78.2	62.6	93.8
179	21.5	17.2	25.8
108	18.8	15.0	22.6



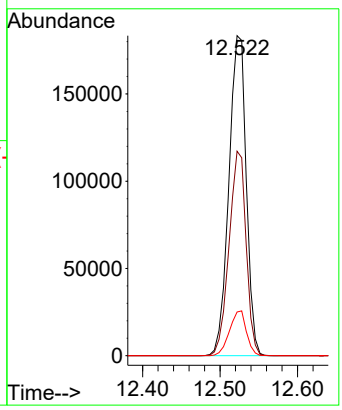


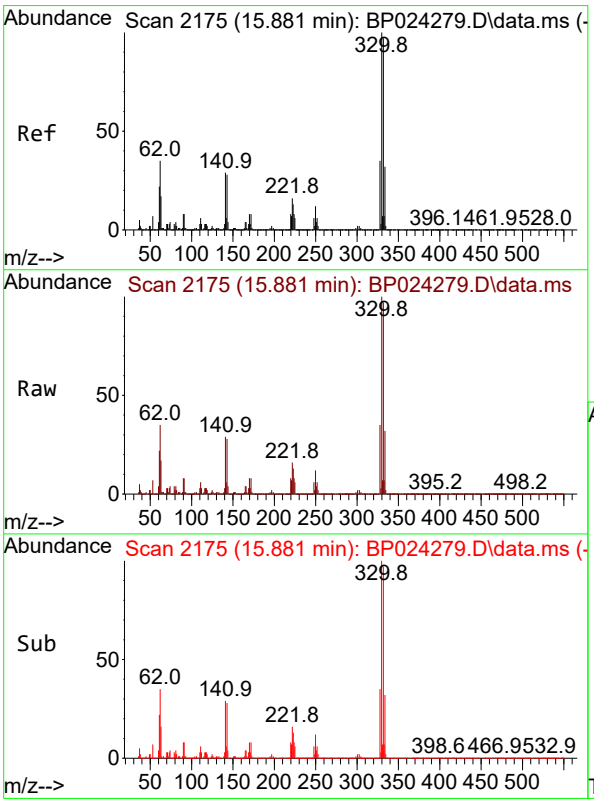
#41
Hexachlorocyclopentadiene
Concen: 45.116 ng
RT: 12.522 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 286135

Ion	Ratio	Lower	Upper
237	100		
235	63.9	43.9	83.9
272	13.6	0.0	33.6

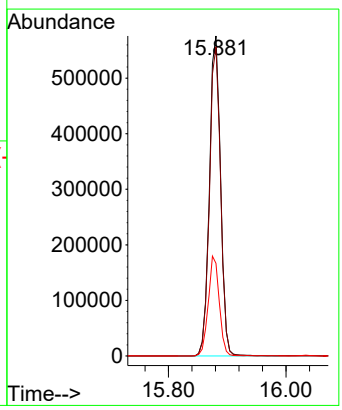


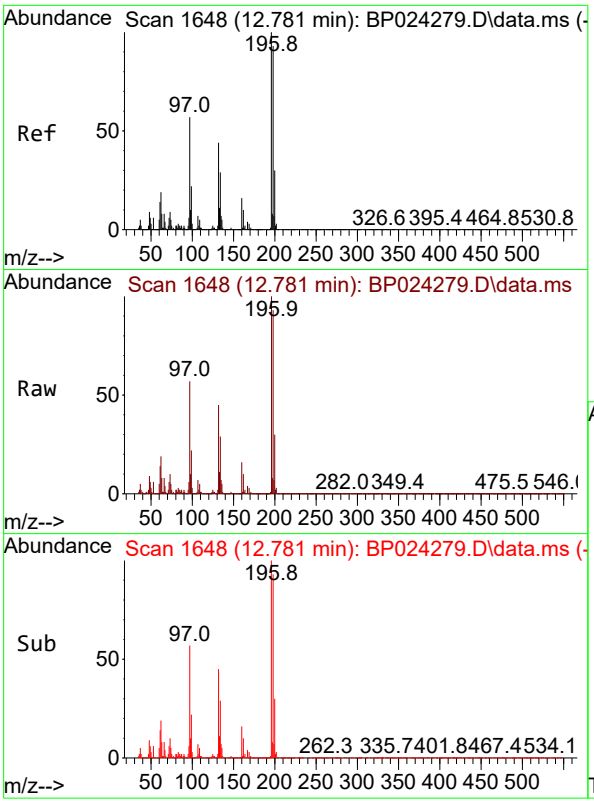


#42
2,4,6-Tribromophenol
Concen: 84.379 ng
RT: 15.881 min Scan# 2175
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:330 Resp: 759528

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.1	115.7
141	30.9	24.7	37.1



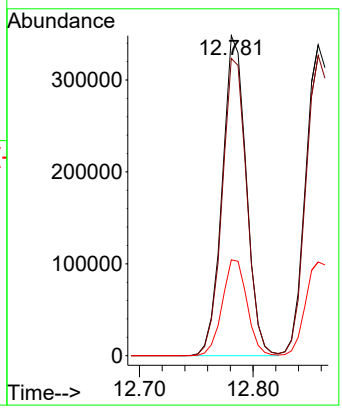


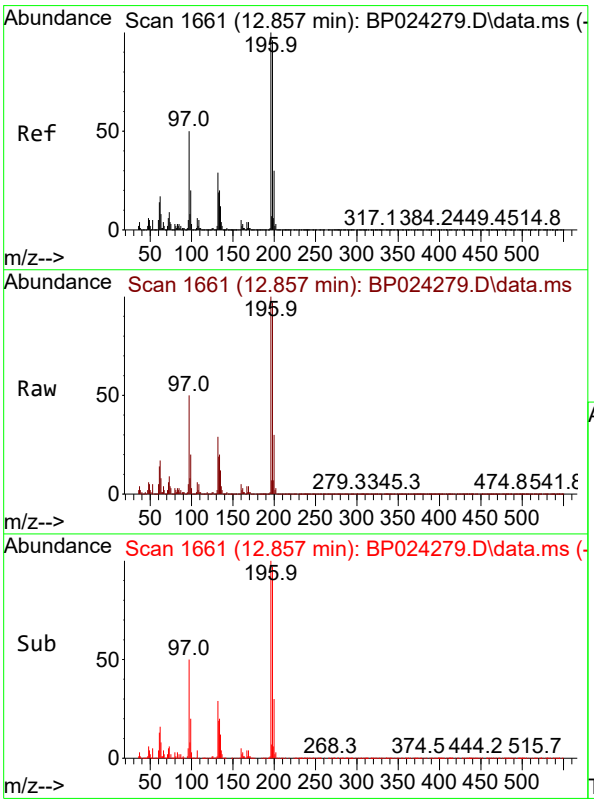
#43
2,4,6-Trichlorophenol
Concen: 43.038 ng
RT: 12.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 511566

Ion	Ratio	Lower	Upper
196	100		
198	92.9	74.3	111.5
200	30.0	24.0	36.0

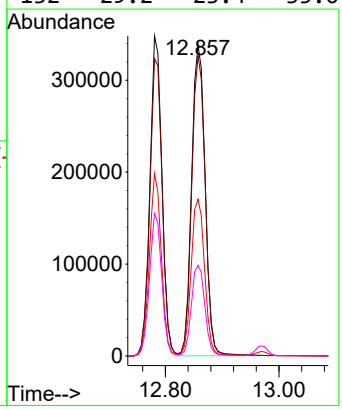


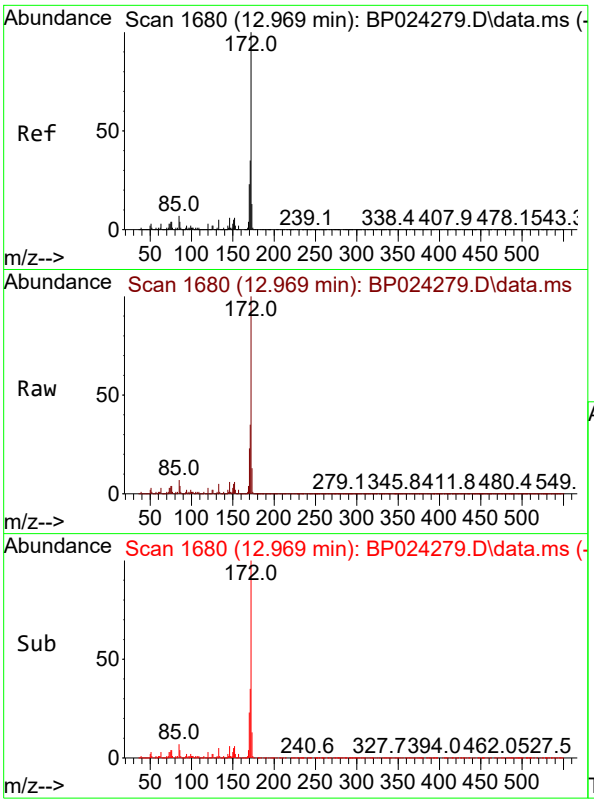


#44
2,4,5-Trichlorophenol
Concen: 42.637 ng
RT: 12.857 min Scan# 1661
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:196 Resp: 561631

Ion	Ratio	Lower	Upper
196	100		
198	96.6	77.3	115.9
97	50.5	40.4	60.6
132	29.2	23.4	35.0



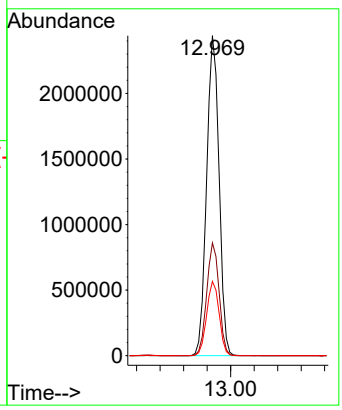


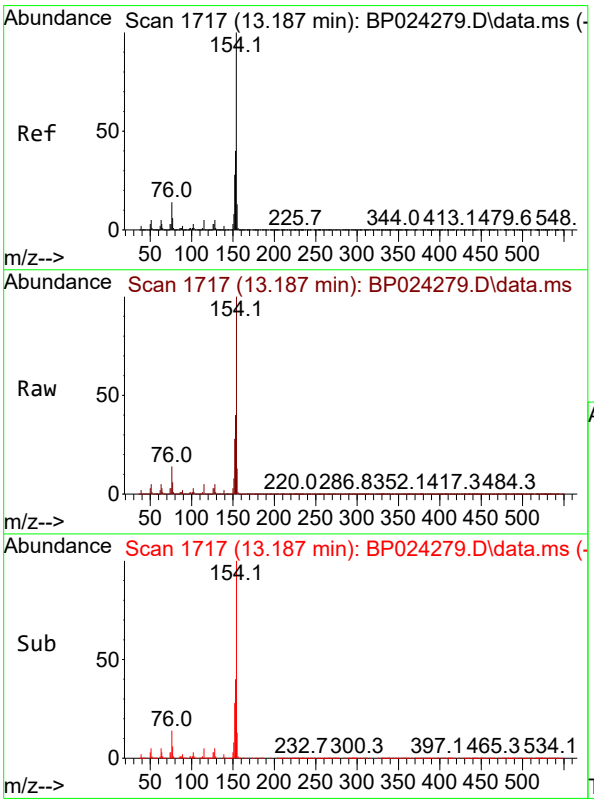
#45
2-Fluorobiphenyl
Concen: 82.939 ng
RT: 12.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 3591010

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.2	42.2
170	23.2	18.6	27.8

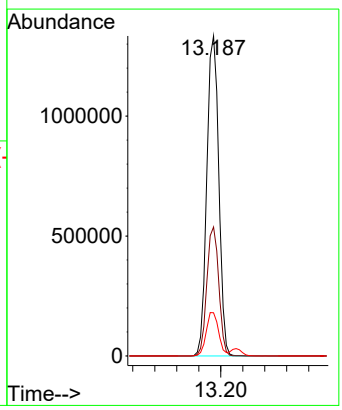


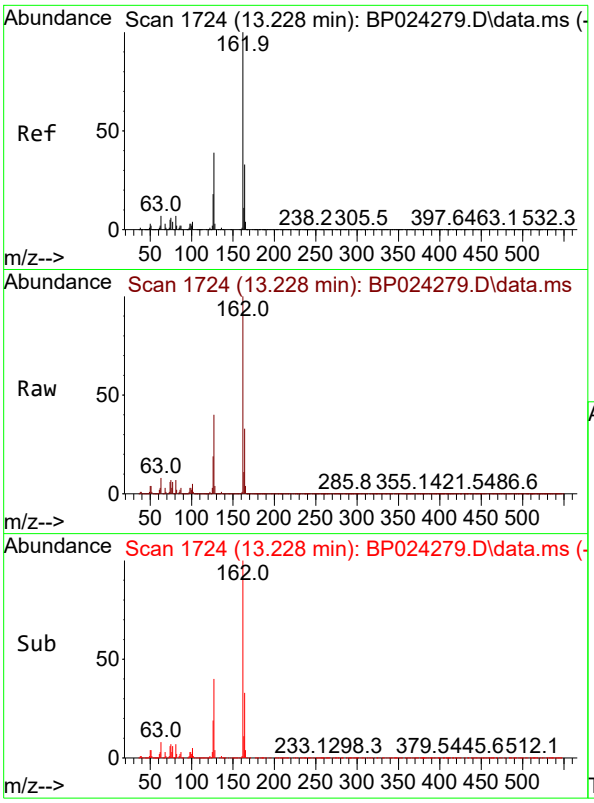


#46
1,1'-Biphenyl
Concen: 41.404 ng
RT: 13.187 min Scan# 1717
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:154 Resp: 2010029

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.3	60.3
76	13.5	0.0	33.5



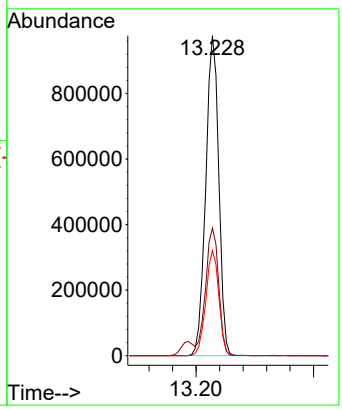


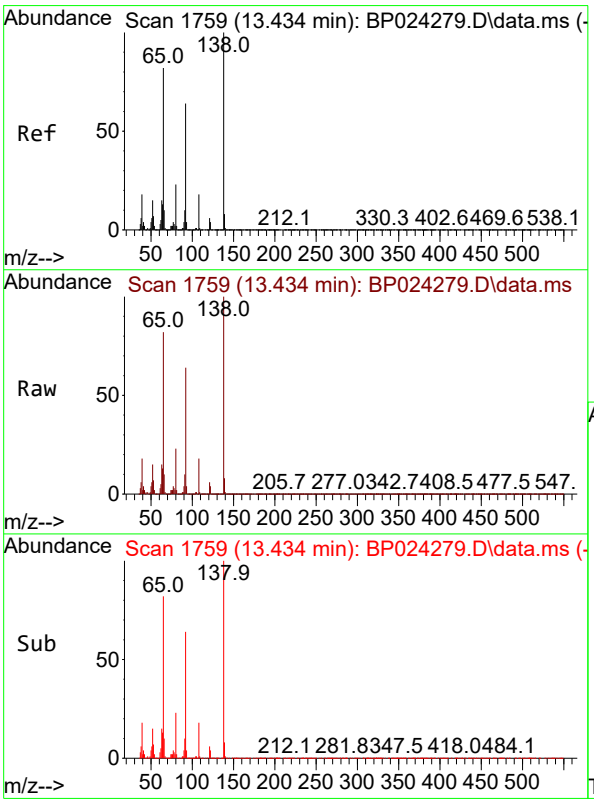
#47
2-Chloronaphthalene
Concen: 41.328 ng
RT: 13.228 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 1497152

Ion	Ratio	Lower	Upper
162	100		
127	39.9	31.9	47.9
164	32.8	26.2	39.4

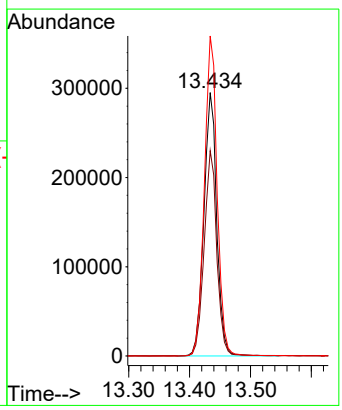


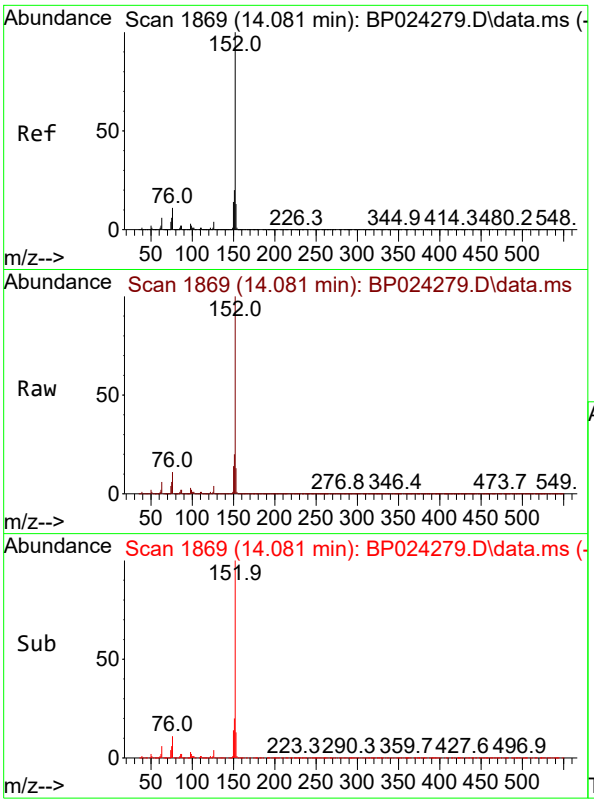


#48
2-Nitroaniline
Concen: 43.377 ng
RT: 13.434 min Scan# 1759
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion: 65 Resp: 434050

Ion	Ratio	Lower	Upper
65	100		
92	77.9	62.3	93.5
138	121.5	97.2	145.8



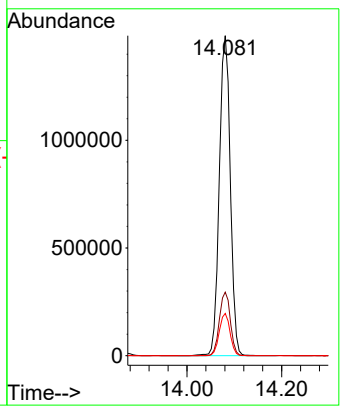


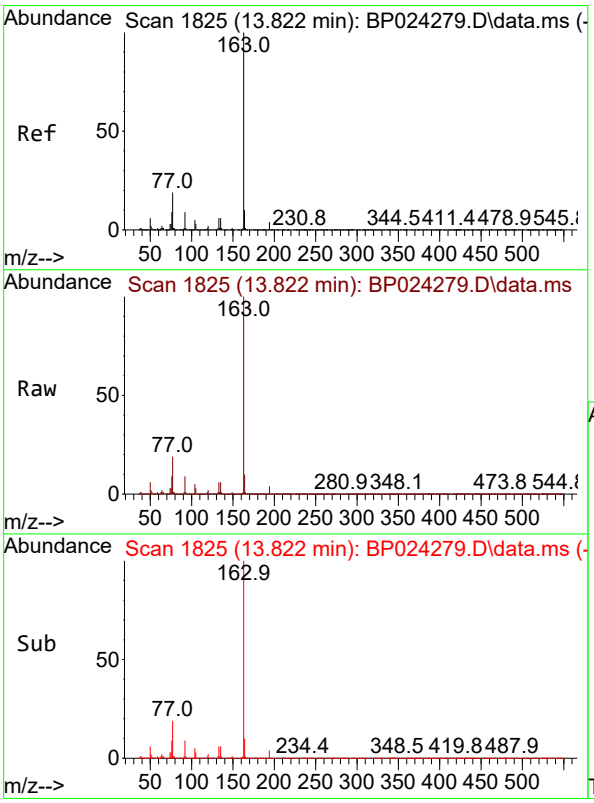
#49
Acenaphthylene
Concen: 41.944 ng
RT: 14.081 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 2384785

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.2	10.6	15.8

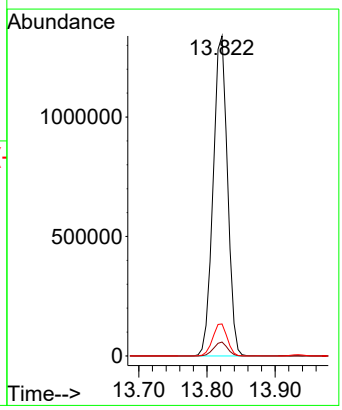


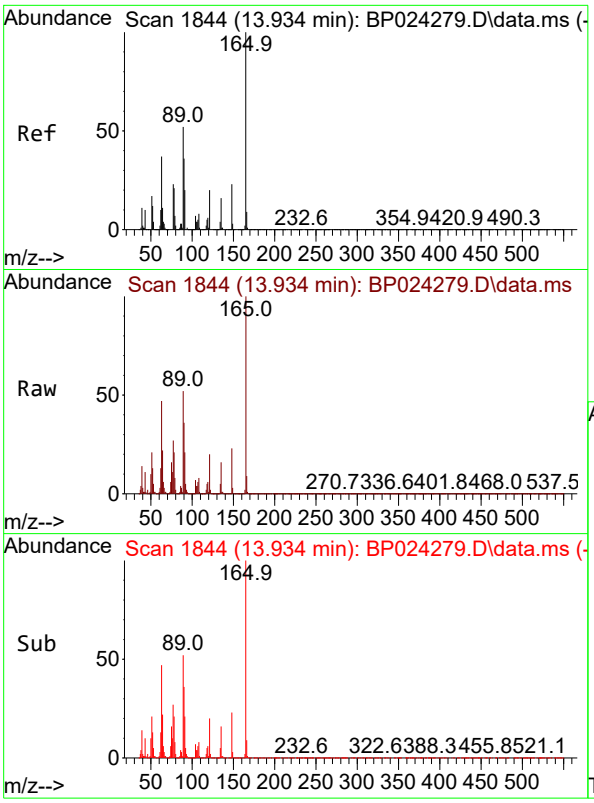


#50
Dimethylphthalate
Concen: 40.976 ng
RT: 13.822 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:163 Resp: 1965142

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	10.0	8.0	12.0



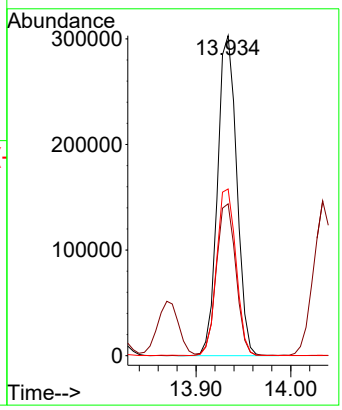


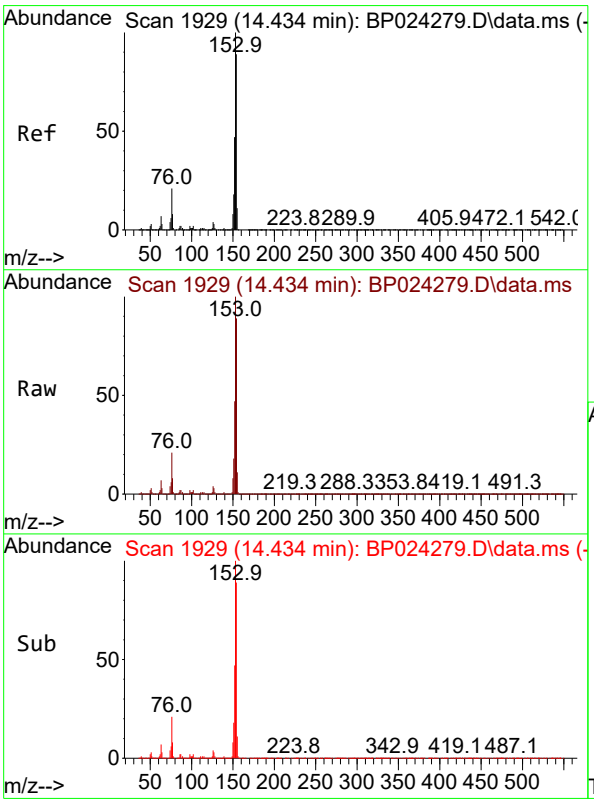
#51
2,6-Dinitrotoluene
Concen: 42.283 ng
RT: 13.934 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 427248

Ion	Ratio	Lower	Upper
165	100		
63	47.5	38.0	57.0
89	52.1	41.7	62.5

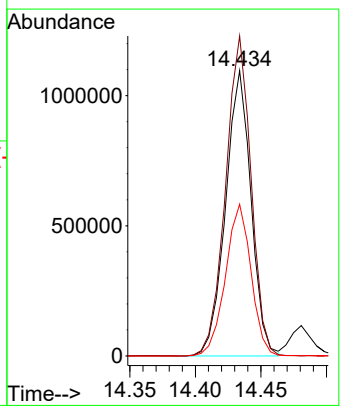


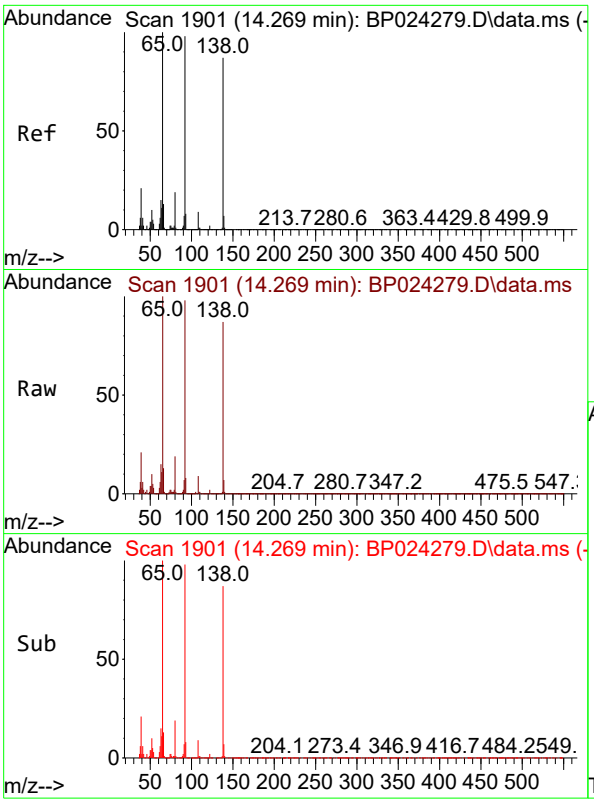


#52
Acenaphthene
Concen: 40.947 ng
RT: 14.434 min Scan# 1929
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:154 Resp: 1480526

Ion	Ratio	Lower	Upper
154	100		
153	112.2	89.8	134.6
152	53.2	42.6	63.8



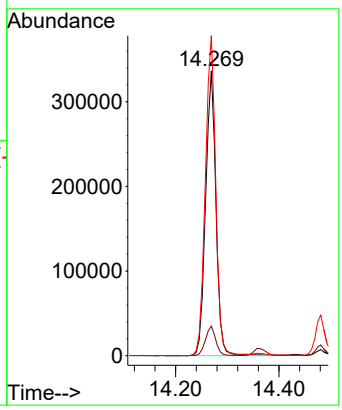


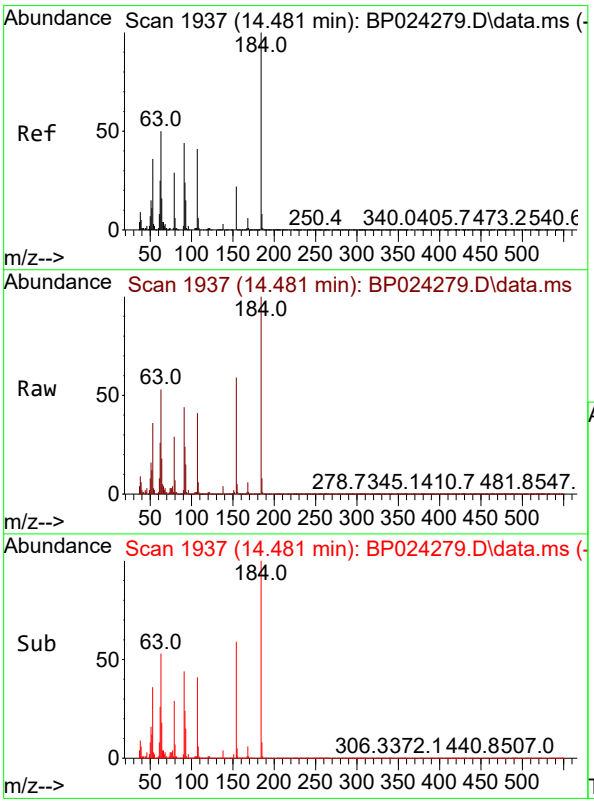
#53
3-Nitroaniline
Concen: 44.389 ng
RT: 14.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 465347

Ion	Ratio	Lower	Upper
138	100		
108	10.4	8.3	12.5
92	112.3	89.8	134.8

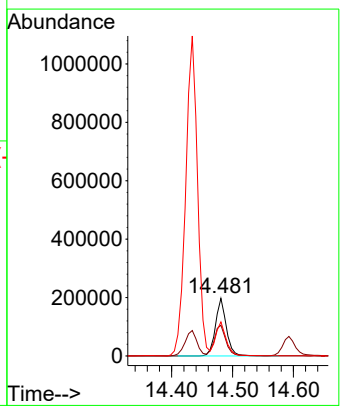


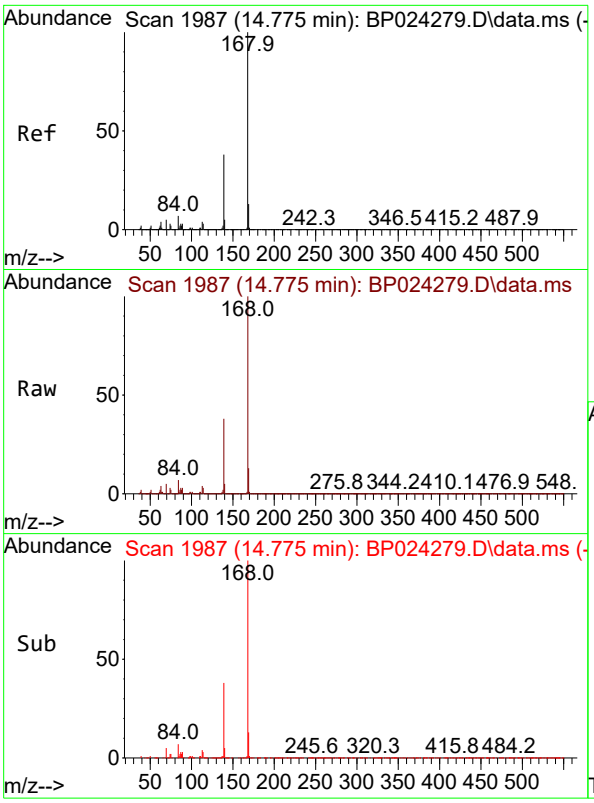


#54
2,4-Dinitrophenol
Concen: 45.231 ng
RT: 14.481 min Scan# 1937
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:184 Resp: 244714

Ion	Ratio	Lower	Upper
184	100		
63	53.3	42.6	64.0
154	59.0	47.2	70.8



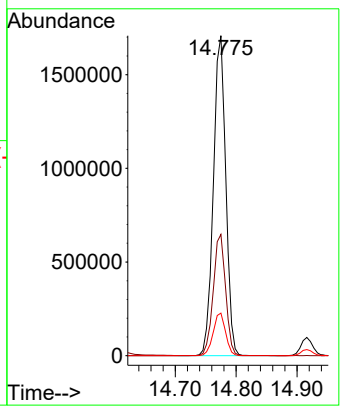


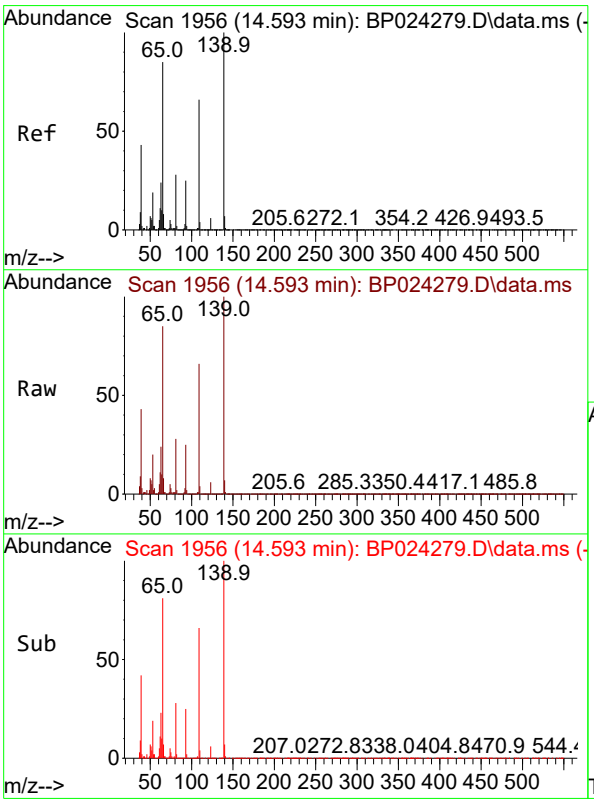
#55
Dibenzofuran
Concen: 40.633 ng
RT: 14.775 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 2409526

Ion	Ratio	Lower	Upper
168	100		
139	37.9	30.3	45.5
169	13.3	10.6	16.0

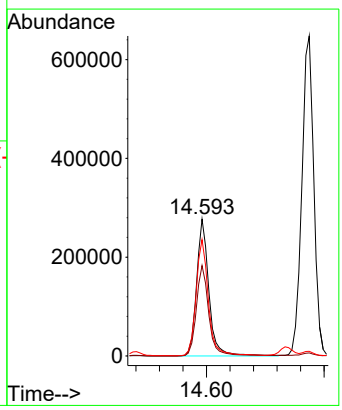


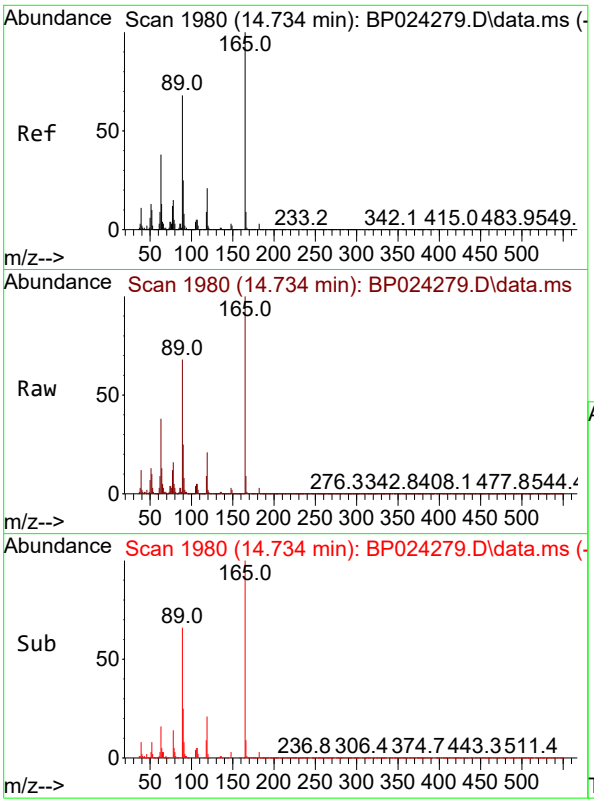


#56
4-Nitrophenol
Concen: 44.564 ng
RT: 14.593 min Scan# 1956
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:139 Resp: 401591

Ion	Ratio	Lower	Upper
139	100		
109	66.1	46.1	86.1
65	85.0	65.0	105.0



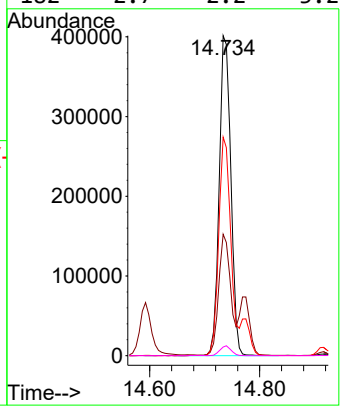


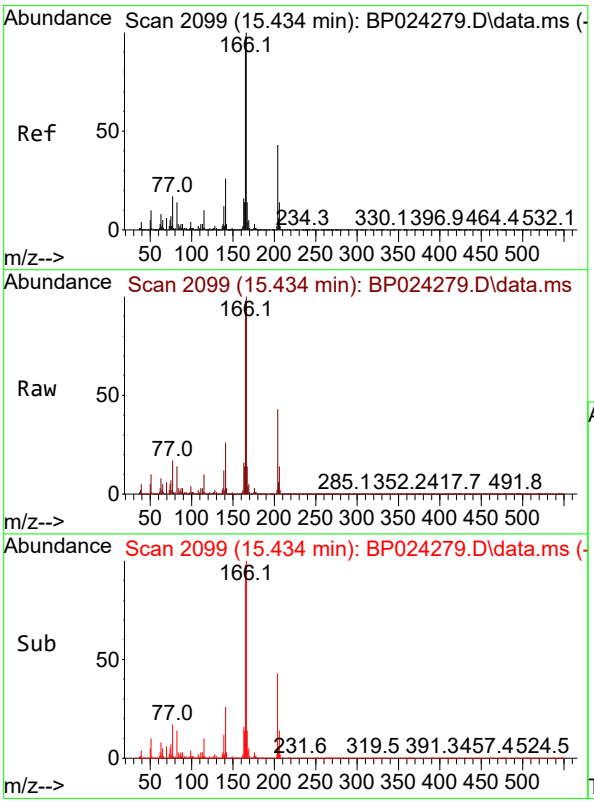
#57
2,4-Dinitrotoluene
Concen: 43.110 ng
RT: 14.734 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 588798

Ion	Ratio	Lower	Upper
165	100		
63	38.0	30.4	45.6
89	68.3	54.6	82.0
182	2.7	2.2	3.2

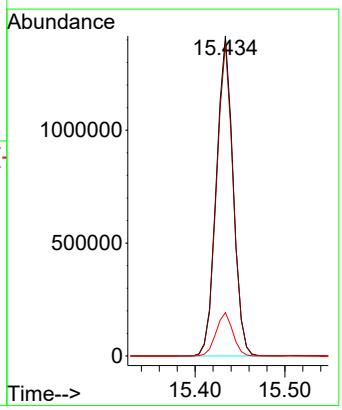


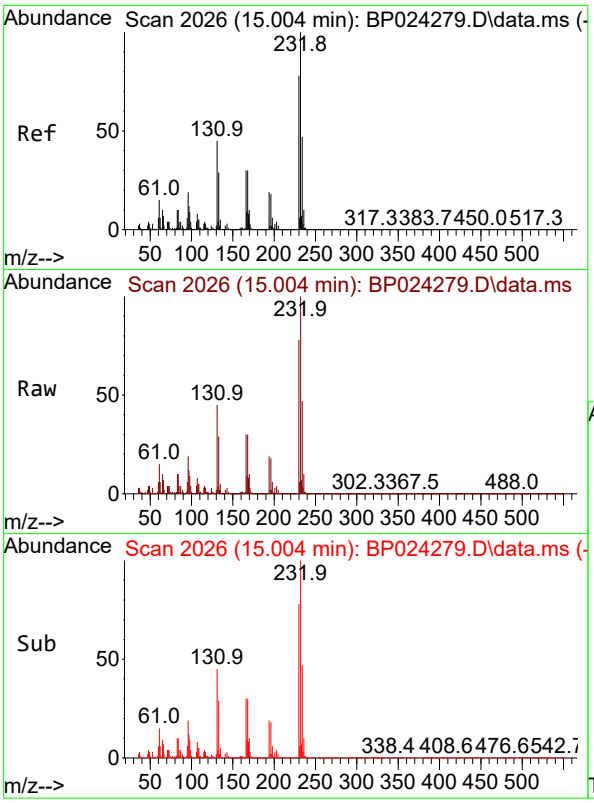


#58
Fluorene
Concen: 40.150 ng
RT: 15.434 min Scan# 2099
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:166 Resp: 1838264

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.1	117.1
167	13.6	10.9	16.3



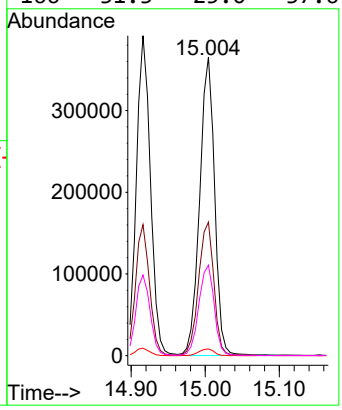


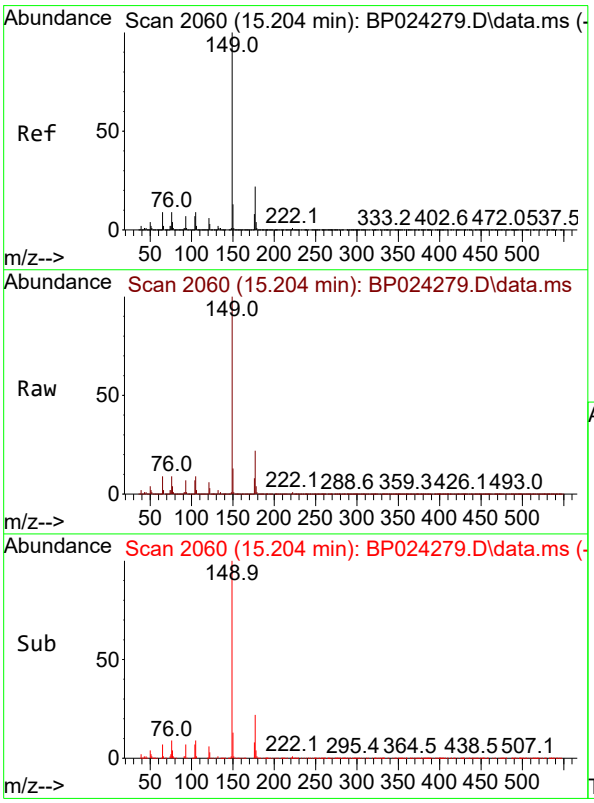
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.987 ng
RT: 15.004 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 511714

Ion	Ratio	Lower	Upper
232	100		
131	46.0	36.8	55.2
130	2.4	1.9	2.9
166	31.3	25.0	37.6

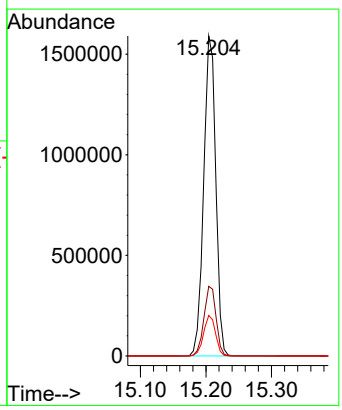


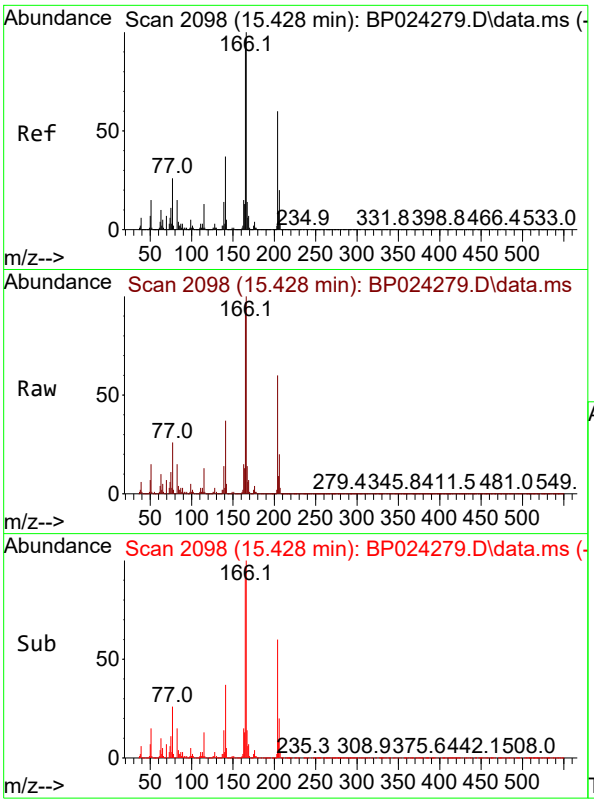


#60
Diethylphthalate
Concen: 41.286 ng
RT: 15.204 min Scan# 2060
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:149 Resp: 2037863

Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.4	26.2
150	12.6	10.1	15.1



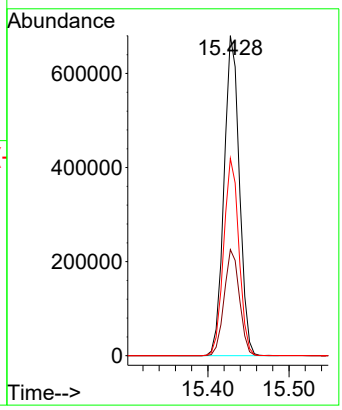


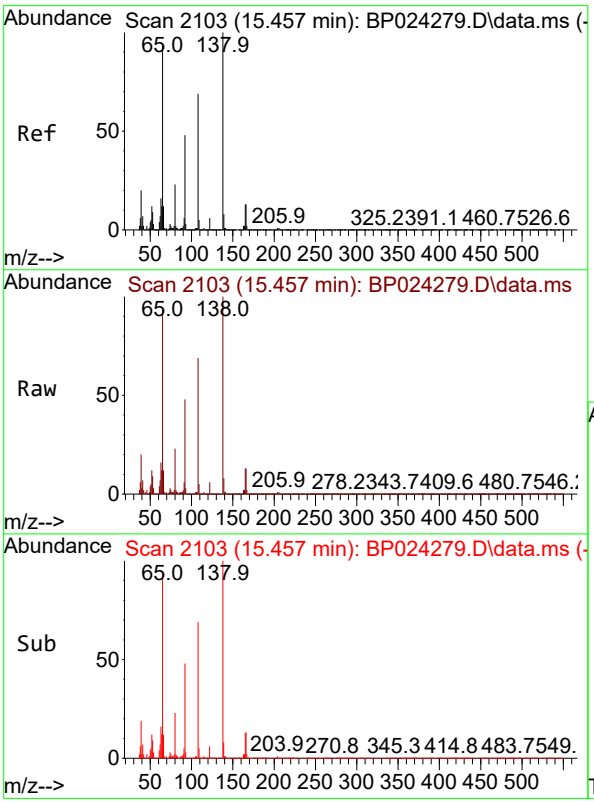
#61
4-Chlorophenyl-phenylether
Concen: 40.226 ng
RT: 15.428 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 894350

Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.5	39.7
141	61.7	49.4	74.0

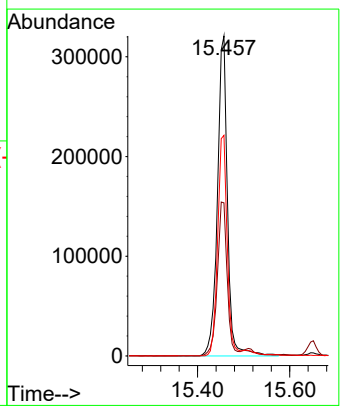


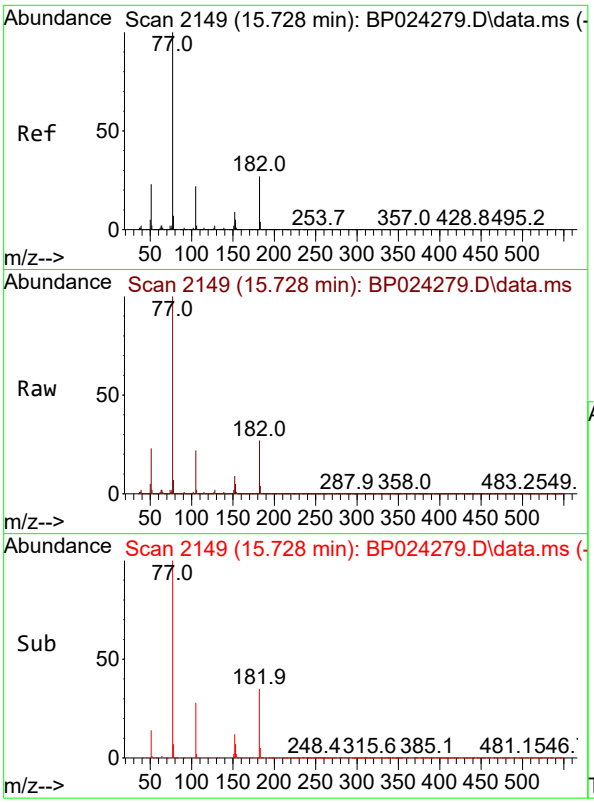


#62
4-Nitroaniline
Concen: 43.693 ng
RT: 15.457 min Scan# 2103
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:138 Resp: 485622

Ion	Ratio	Lower	Upper
138	100		
92	47.8	27.8	67.8
108	68.9	48.9	88.9



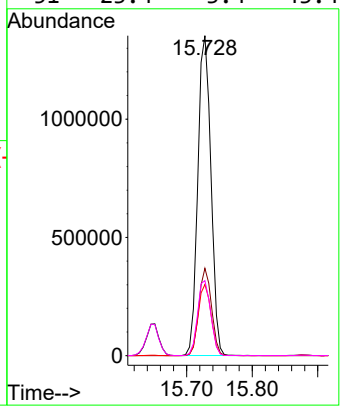


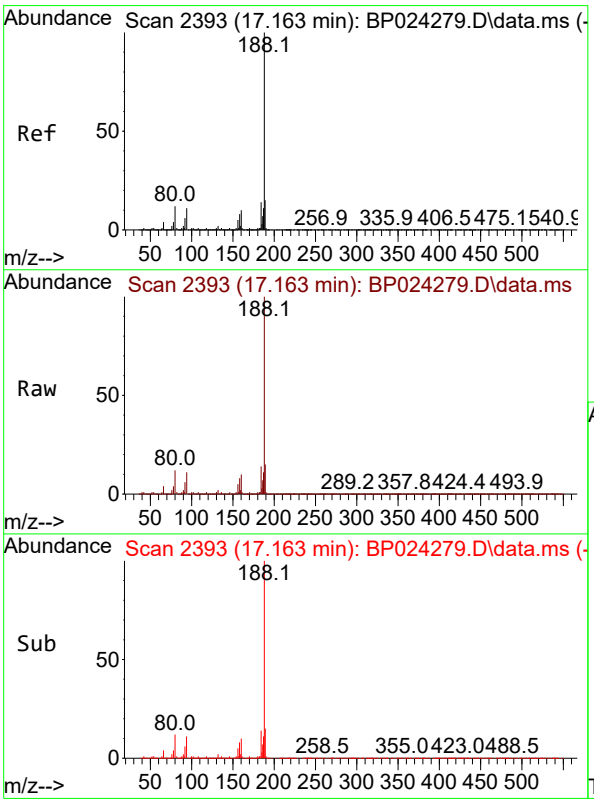
#63
Azobenzene
Concen: 41.392 ng
RT: 15.728 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 1881773

Ion	Ratio	Lower	Upper
77	100		
182	27.3	7.3	47.3
105	22.3	2.3	42.3
51	23.4	3.4	43.4

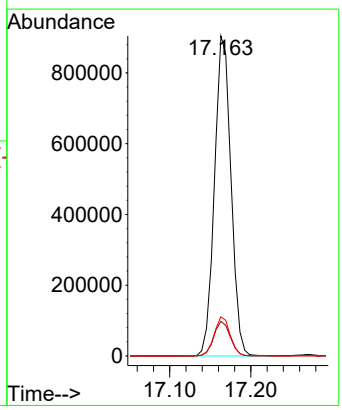


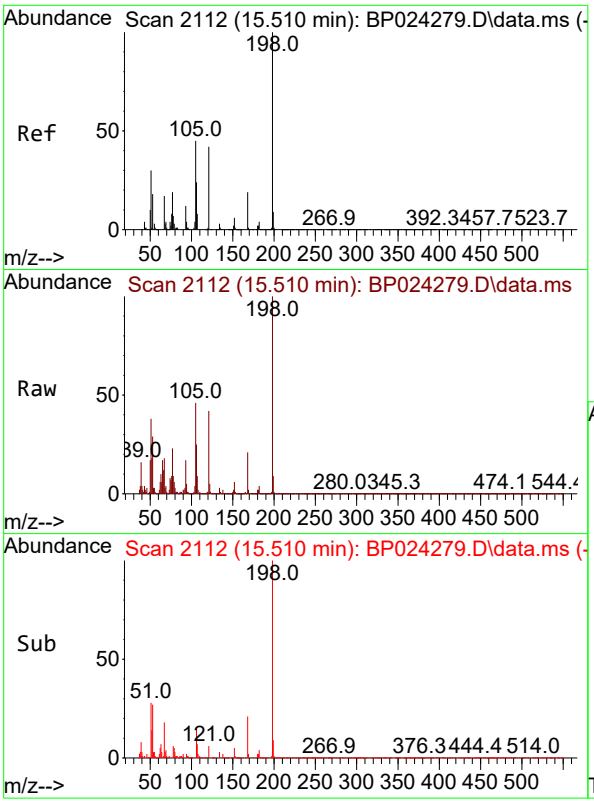


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2393
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:188 Resp: 1277198

Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.6	13.0
80	12.2	9.8	14.6



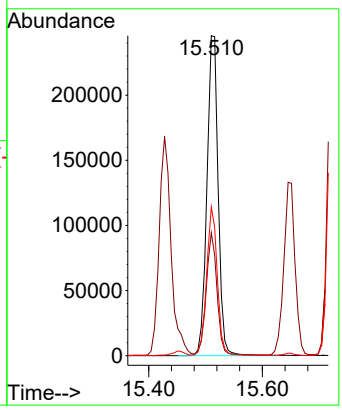


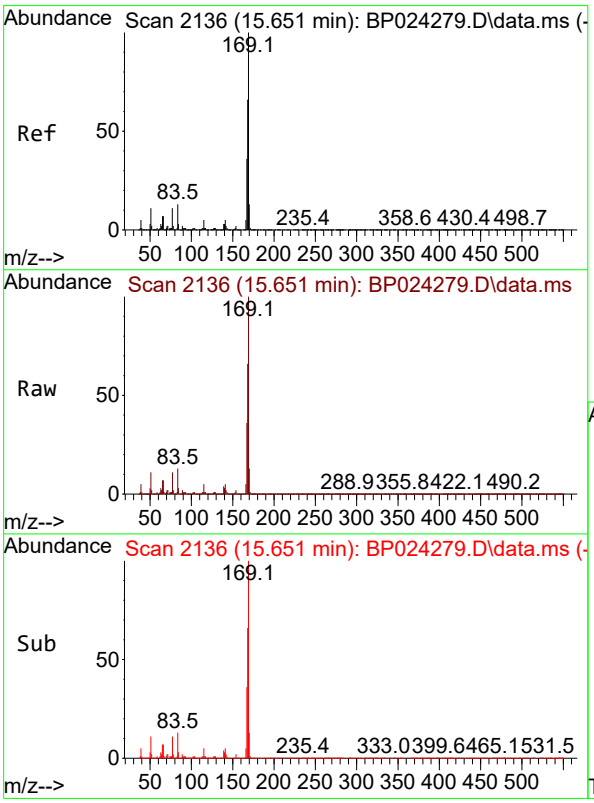
#65
4,6-Dinitro-2-methylphenol
Concen: 44.938 ng
RT: 15.510 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 335347

Ion	Ratio	Lower	Upper
198	100		
51	38.4	18.4	58.4
105	46.5	26.5	66.5

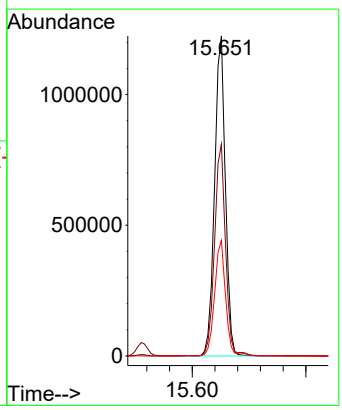


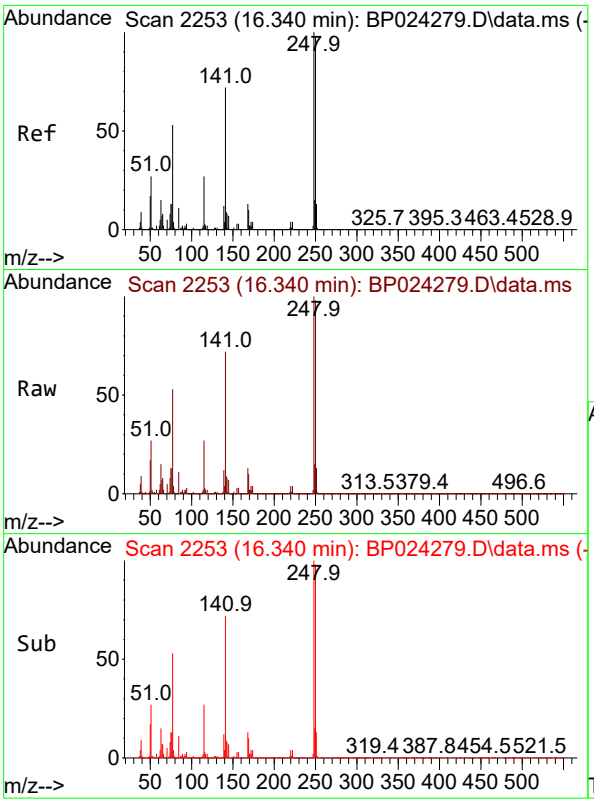


#66
n-Nitrosodiphenylamine
Concen: 42.021 ng
RT: 15.651 min Scan# 2136
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:169 Resp: 1609251

Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.0	79.4
167	36.1	28.9	43.3



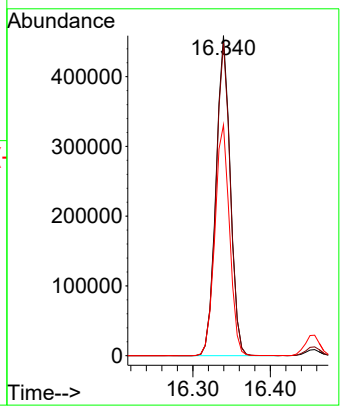


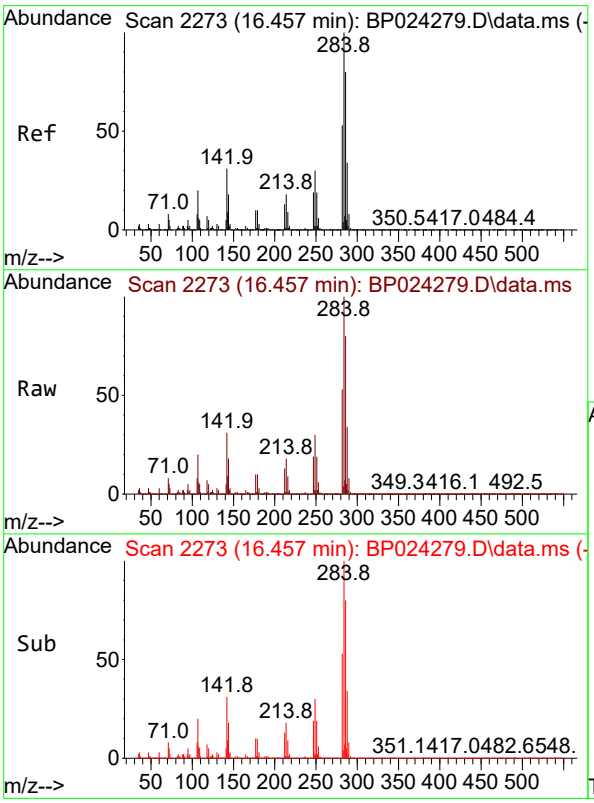
#67
4-Bromophenyl-phenylether
Concen: 42.165 ng
RT: 16.340 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 587416

Ion	Ratio	Lower	Upper
248	100		
250	97.8	78.2	117.4
141	72.1	57.7	86.5

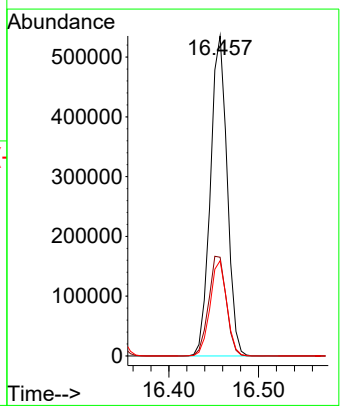


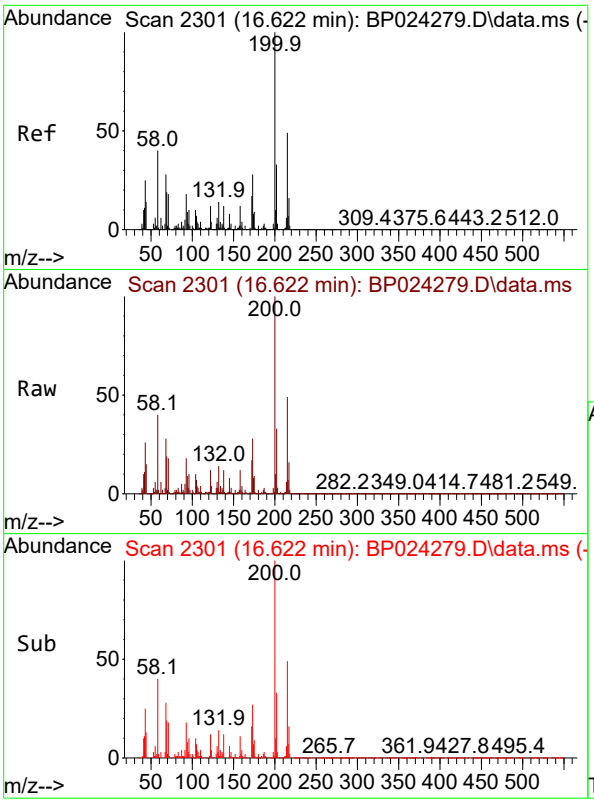


#68
Hexachlorobenzene
Concen: 41.815 ng
RT: 16.457 min Scan# 2273
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:284 Resp: 692546

Ion	Ratio	Lower	Upper
284	100		
142	30.8	24.6	37.0
249	29.7	23.8	35.6



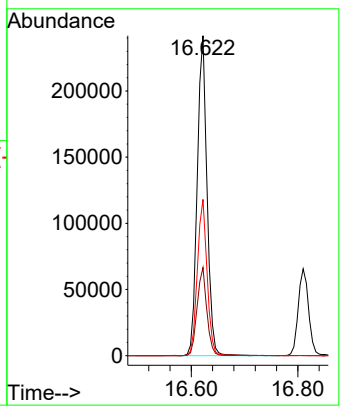


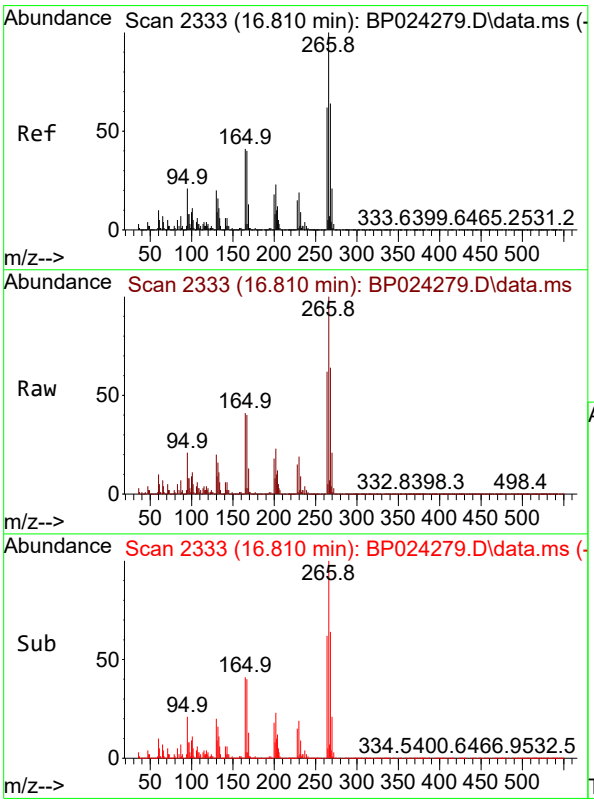
#69
Atrazine
Concen: 31.786 ng
RT: 16.622 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 308618

Ion	Ratio	Lower	Upper
200	100		
173	27.5	7.5	47.5
215	48.8	28.8	68.8

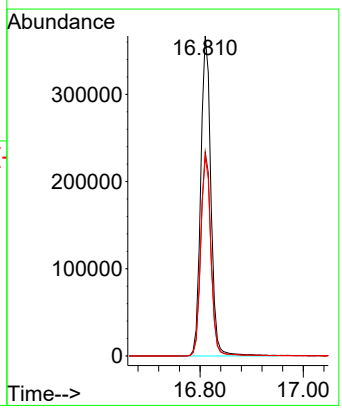


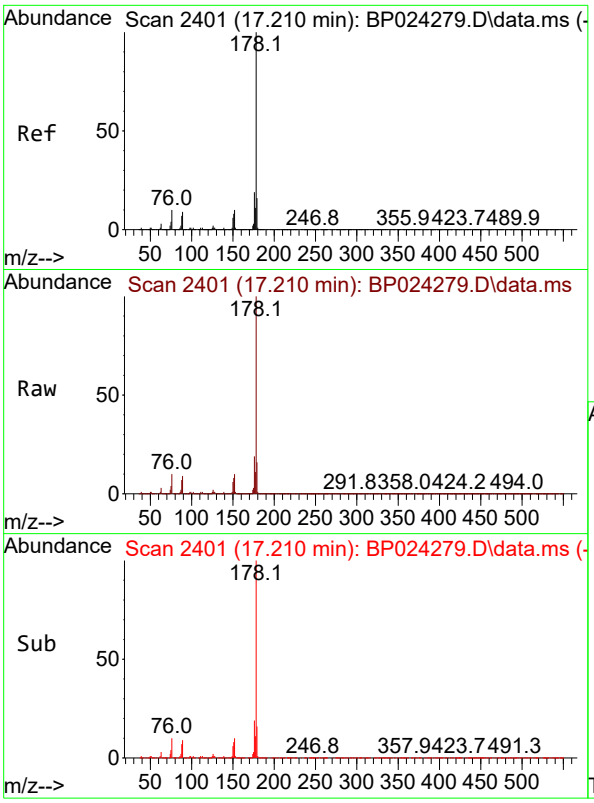


#70
Pentachlorophenol
Concen: 43.955 ng
RT: 16.810 min Scan# 2333
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:266 Resp: 499858

Ion	Ratio	Lower	Upper
266	100		
268	63.8	51.0	76.6
264	62.2	49.8	74.6



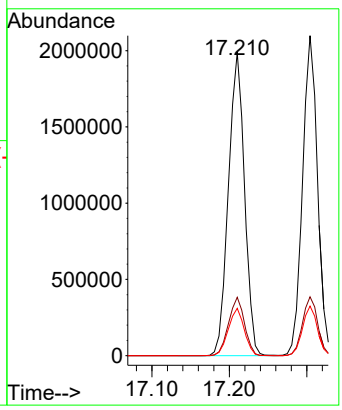


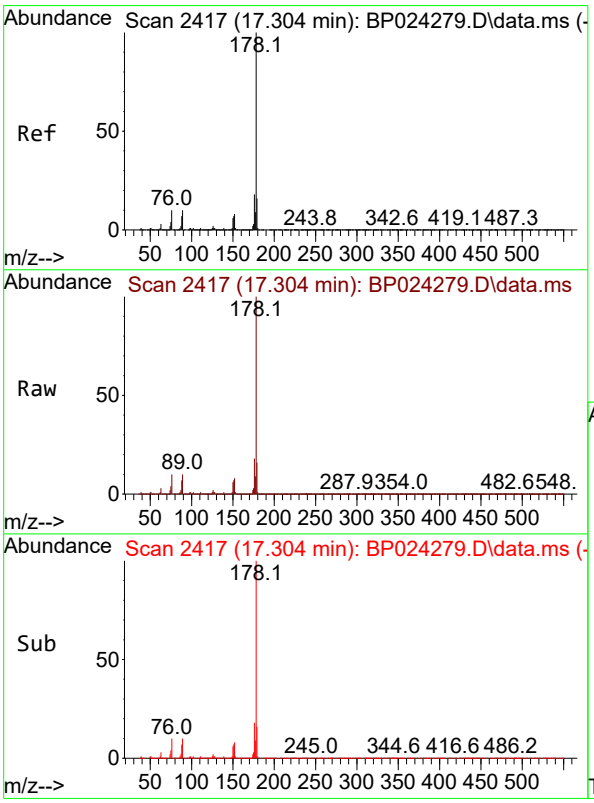
#71
Phenanthrene
Concen: 41.121 ng
RT: 17.210 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 2879498

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.6	12.5	18.7

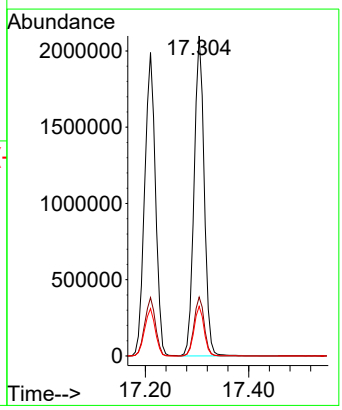


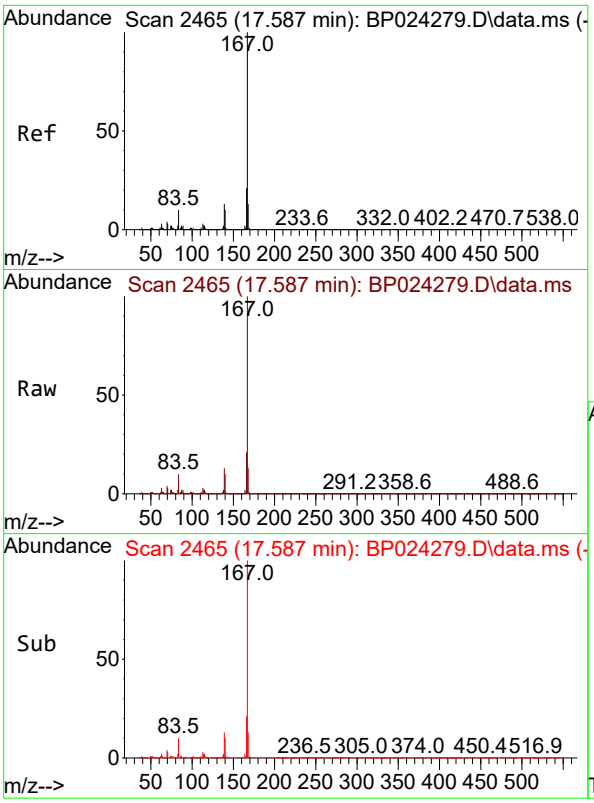


#72
Anthracene
Concen: 42.130 ng
RT: 17.304 min Scan# 2417
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:178 Resp: 2838724

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.5	12.4	18.6



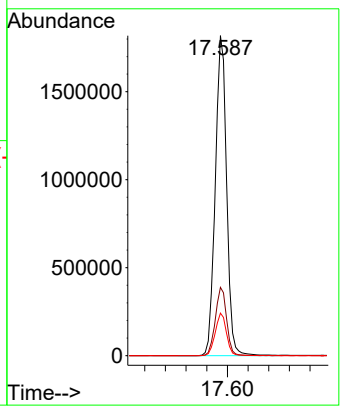


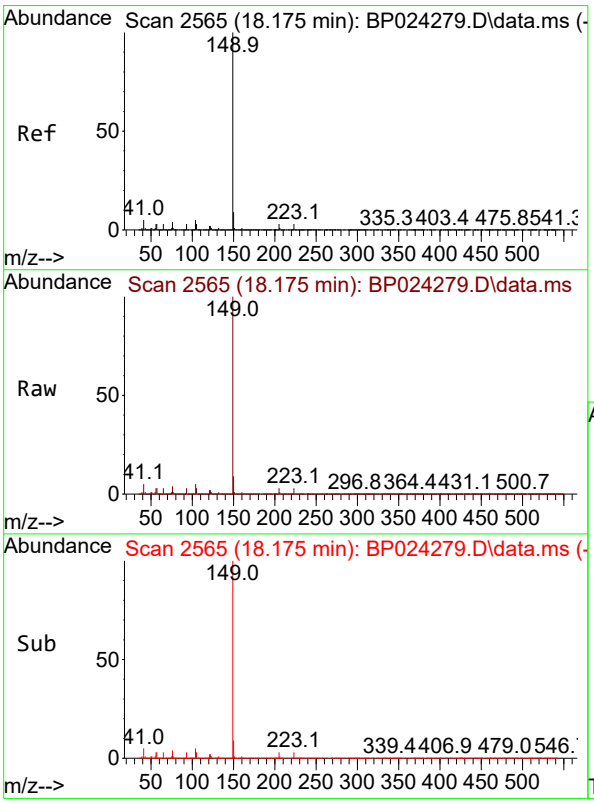
#73
Carbazole
Concen: 42.242 ng
RT: 17.587 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 2770072

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.1	25.7
139	13.3	10.6	16.0

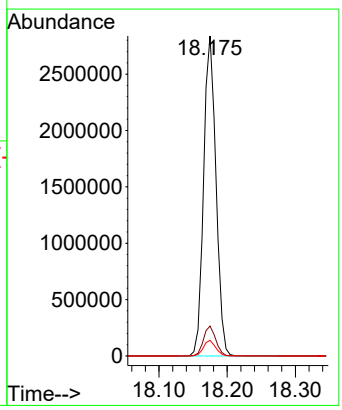


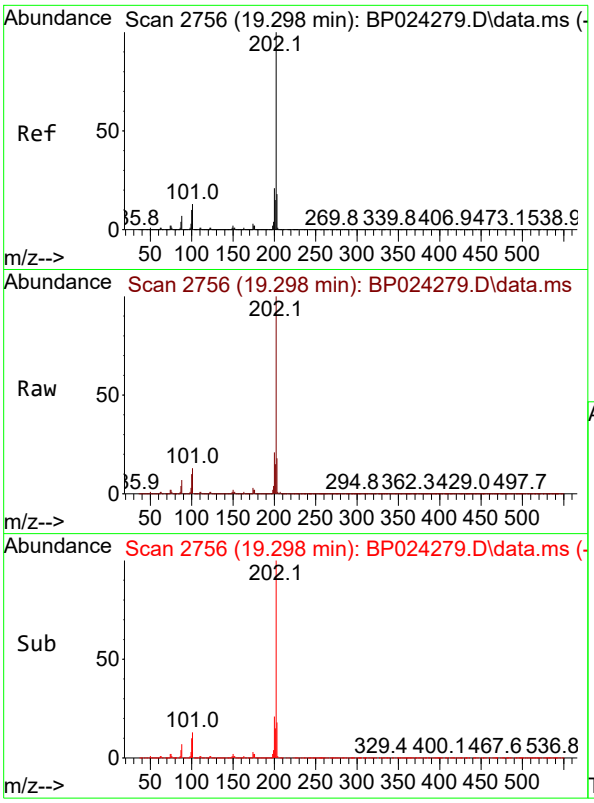


#74
Di-n-butylphthalate
Concen: 43.708 ng
RT: 18.175 min Scan# 2565
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:149 Resp: 3571220

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	4.9	3.9	5.9



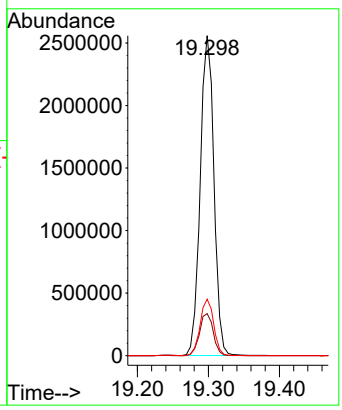


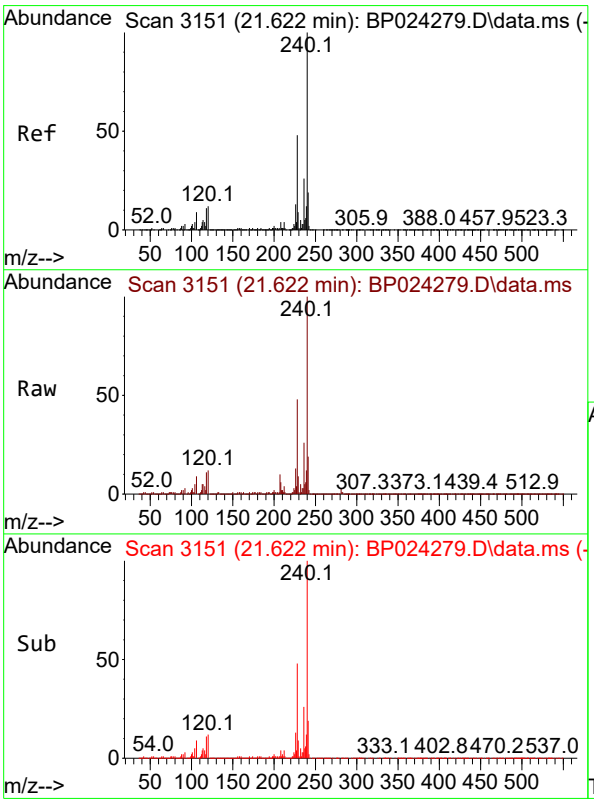
#75
Fluoranthene
Concen: 41.404 ng
RT: 19.298 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 3441282

Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	33.2
203	17.7	0.0	37.7

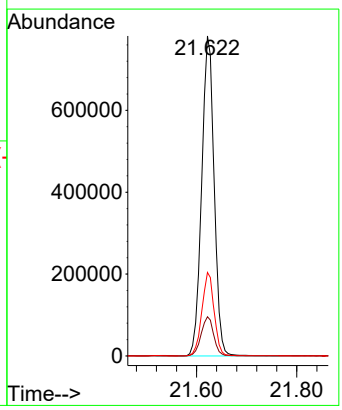


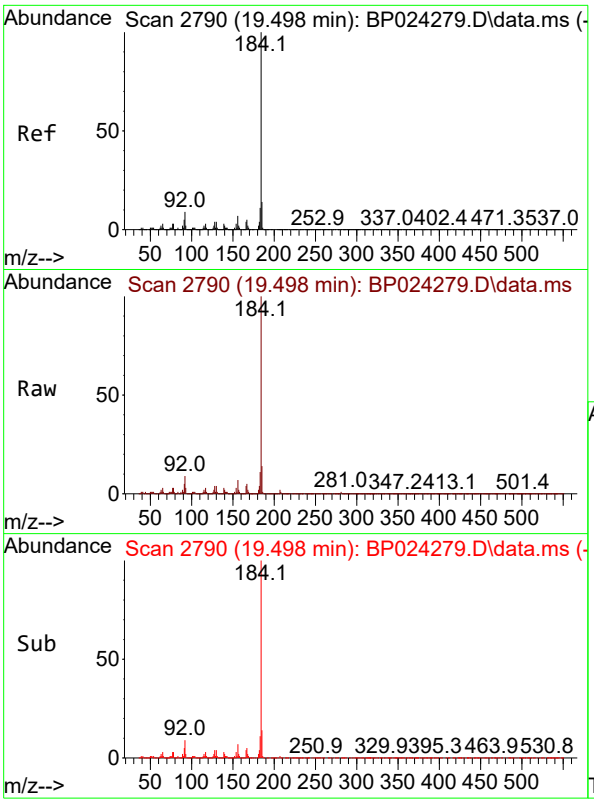


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.622 min Scan# 3151
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:240 Resp: 1349860

Ion	Ratio	Lower	Upper
240	100		
120	12.3	9.8	14.8
236	26.1	20.9	31.3



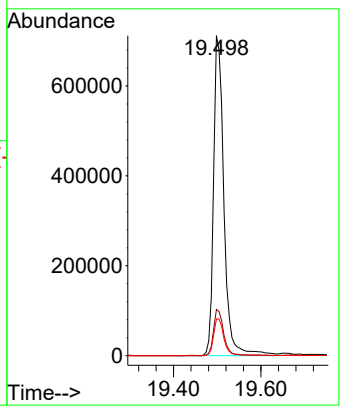


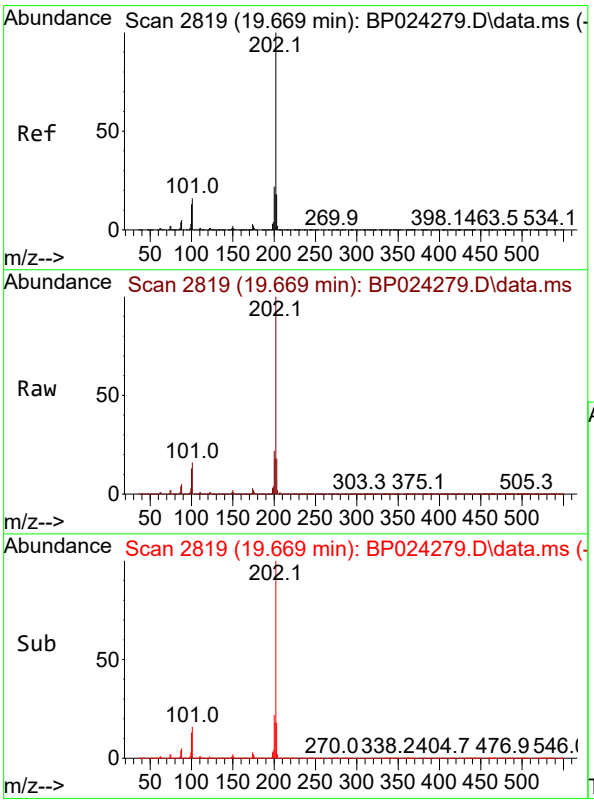
#77
Benzidine
Concen: 70.714 ng
RT: 19.498 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 1178258

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.6	17.4
183	11.5	9.2	13.8

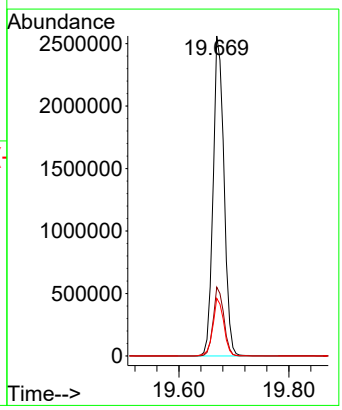


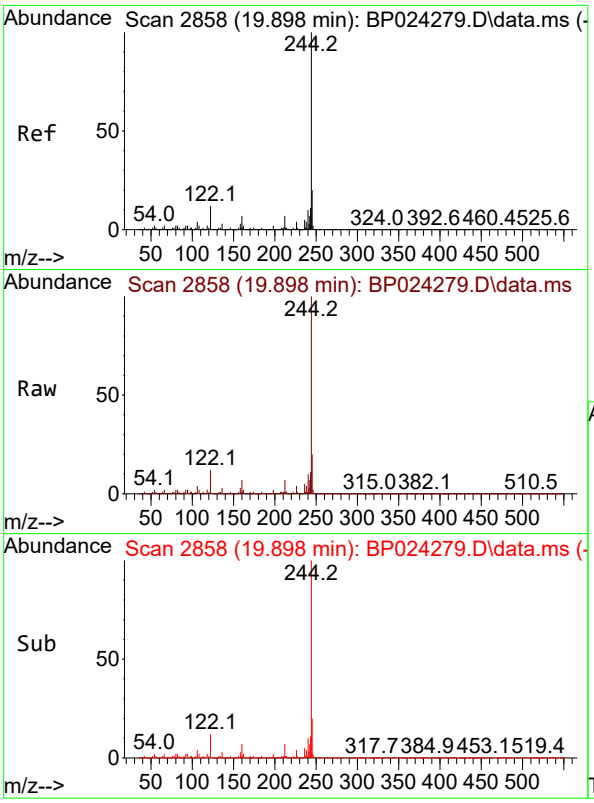


#78
Pyrene
Concen: 40.790 ng
RT: 19.669 min Scan# 2819
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:202 Resp: 3523104

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.2	25.8
203	18.0	14.4	21.6



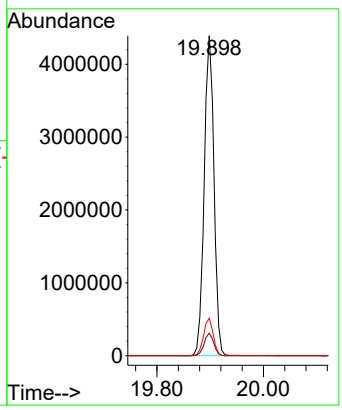


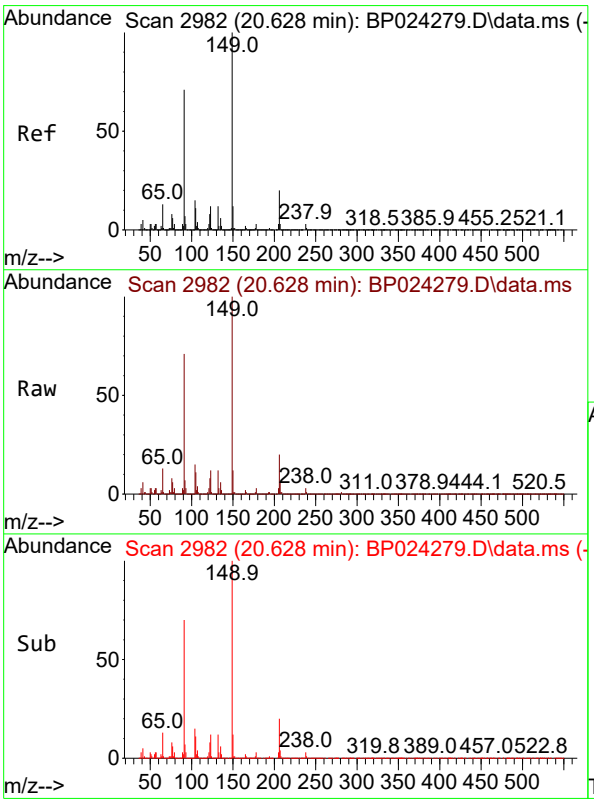
#79
Terphenyl-d14
Concen: 82.266 ng
RT: 19.898 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 5570563

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	11.7	9.4	14.0

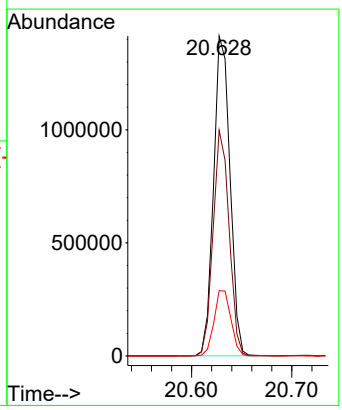


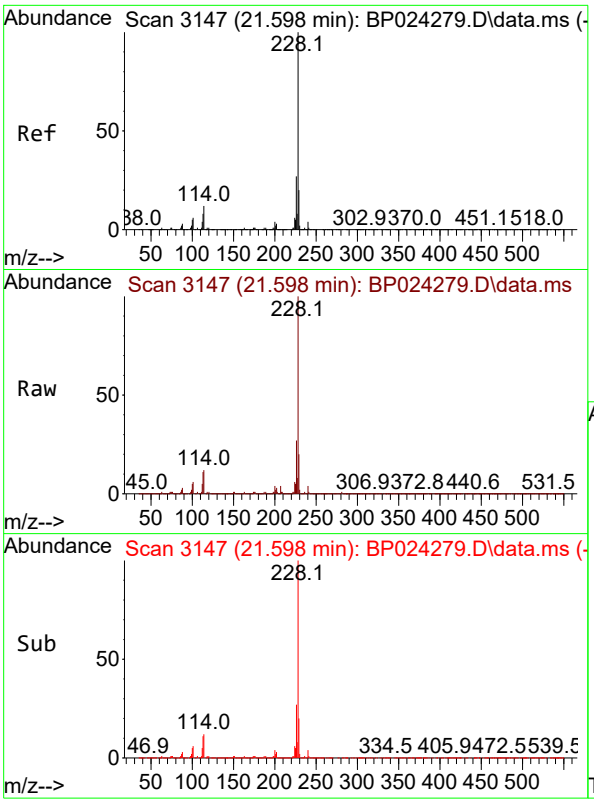


#80
Butylbenzylphthalate
Concen: 44.158 ng
RT: 20.628 min Scan# 2982
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:149 Resp: 1607881

Ion	Ratio	Lower	Upper
149	100		
91	70.5	56.4	84.6
206	20.4	16.3	24.5



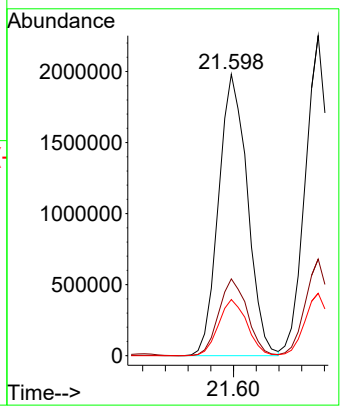


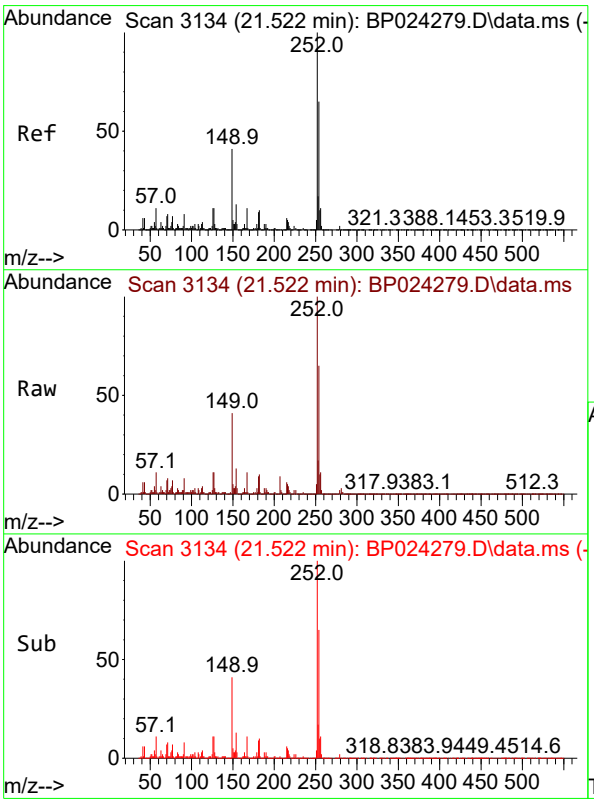
#81
Benzo(a)anthracene
Concen: 41.472 ng
RT: 21.598 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 3489938

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	19.9	15.9	23.9

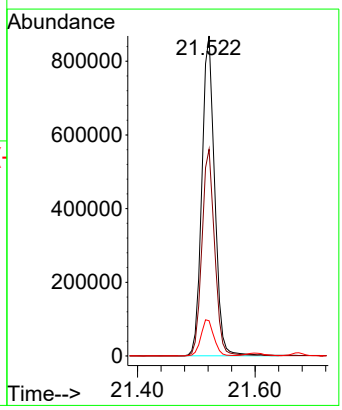


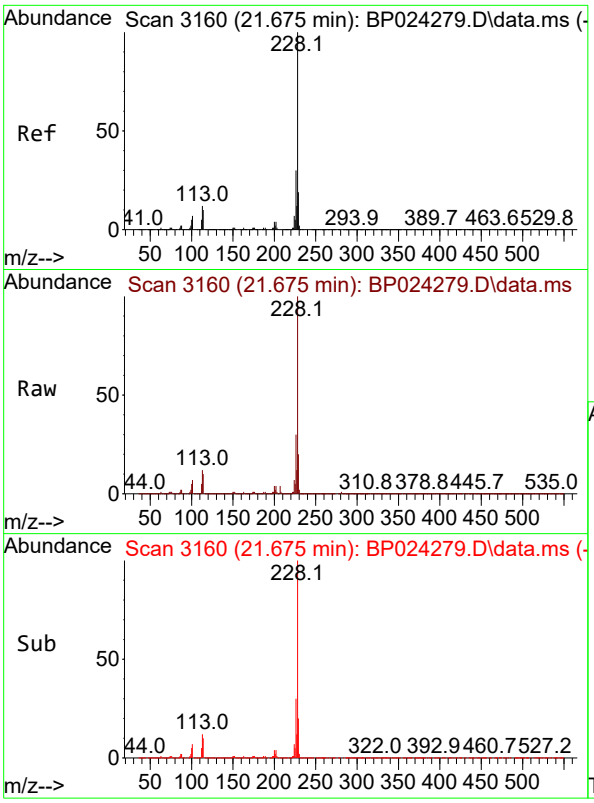


#82
3,3'-Dichlorobenzidine
Concen: 44.953 ng
RT: 21.522 min Scan# 3134
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:252 Resp: 1311770

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.7	77.5
126	11.0	8.8	13.2



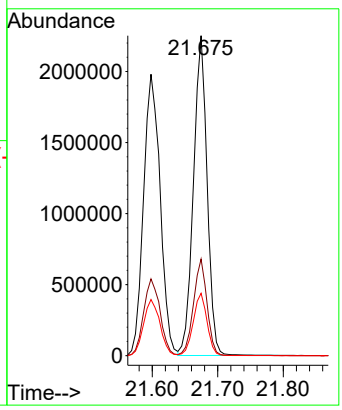


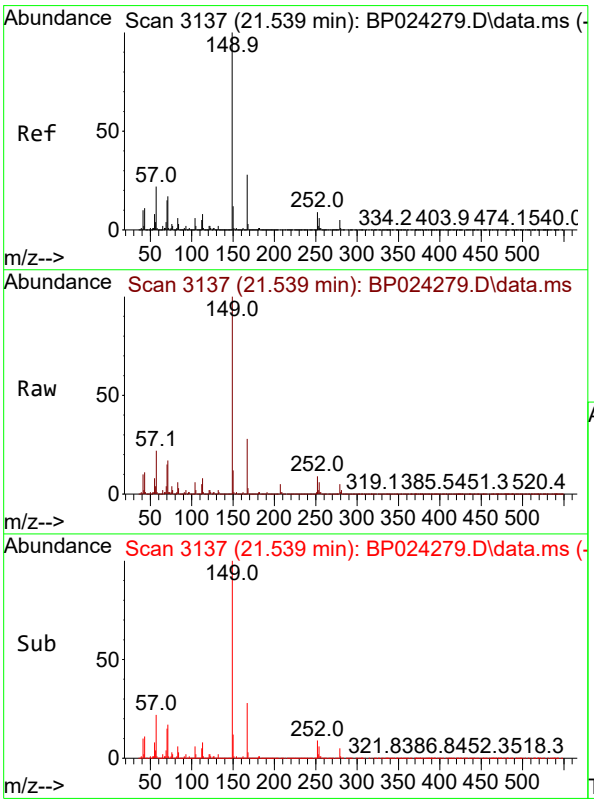
#83
Chrysene
Concen: 40.596 ng
RT: 21.675 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 3274153

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.2	36.2
229	19.5	15.6	23.4

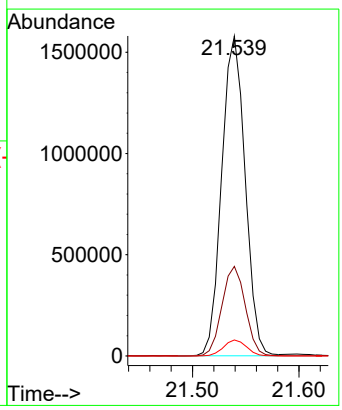


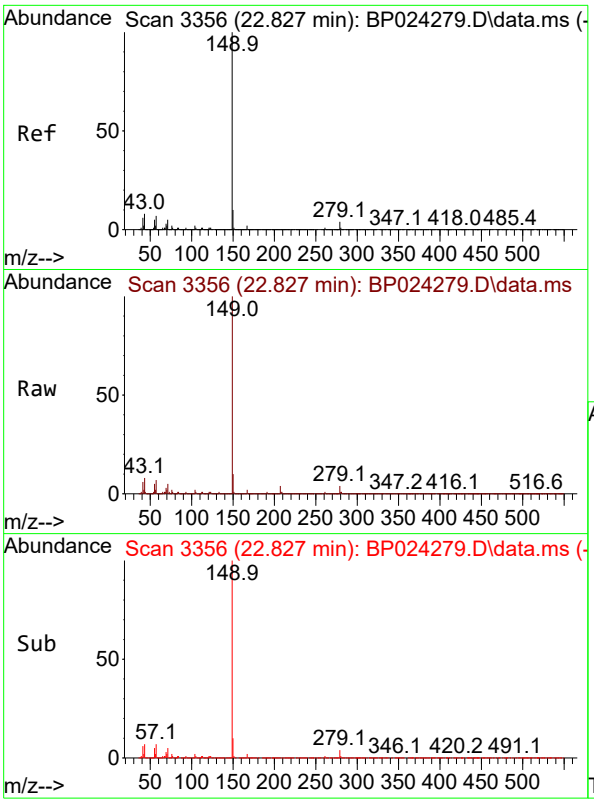


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.979 ng
RT: 21.539 min Scan# 3137
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:149 Resp: 2411998

Ion	Ratio	Lower	Upper
149	100		
167	28.0	22.4	33.6
279	5.0	4.0	6.0



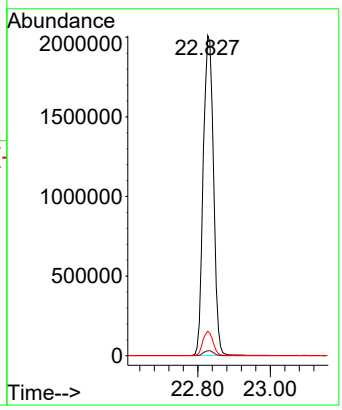


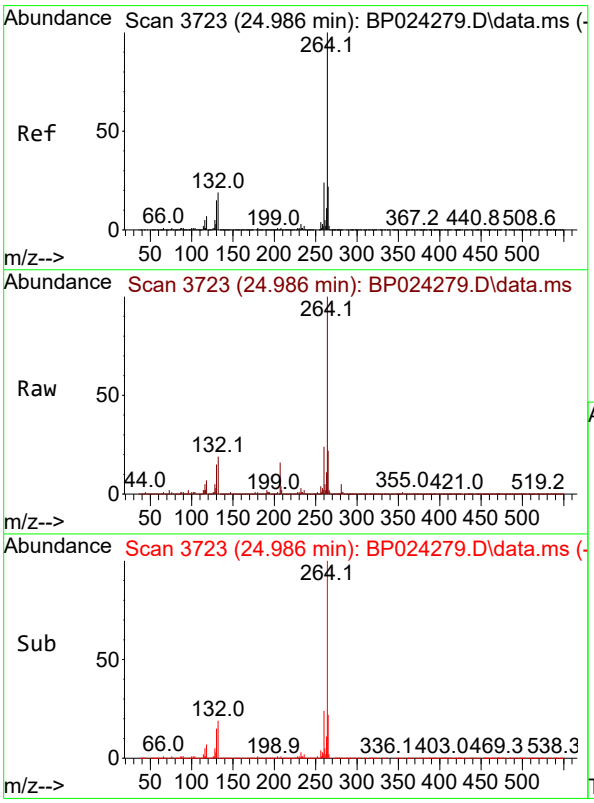
#85
Di-n-octyl phthalate
Concen: 45.913 ng
RT: 22.827 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 3943939

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	7.5	6.0	9.0

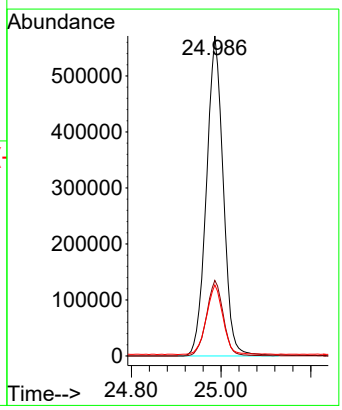


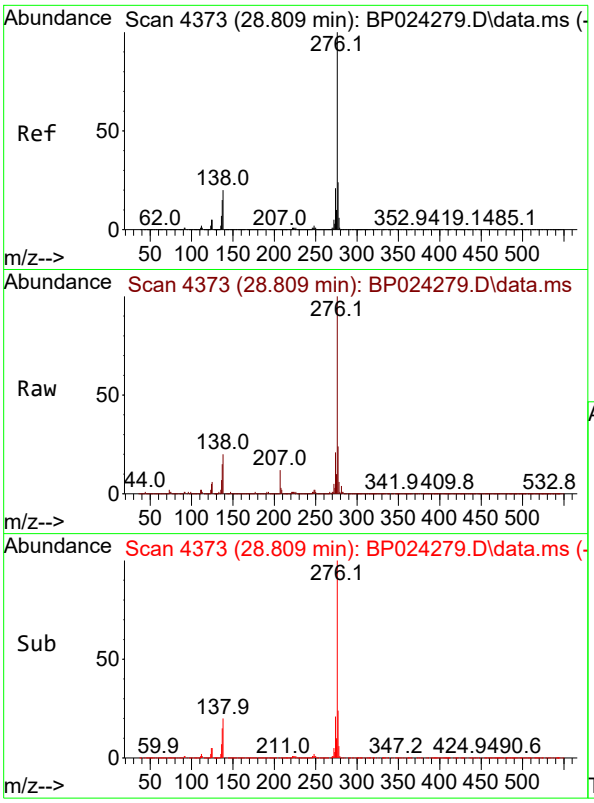


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.986 min Scan# 3723
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:264 Resp: 1485135

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	22.2	17.8	26.6



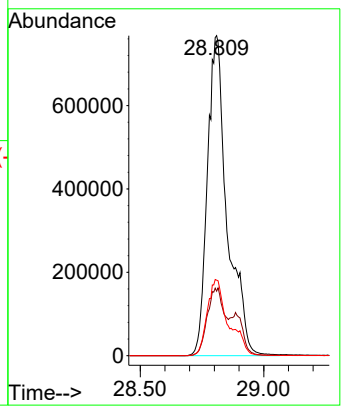


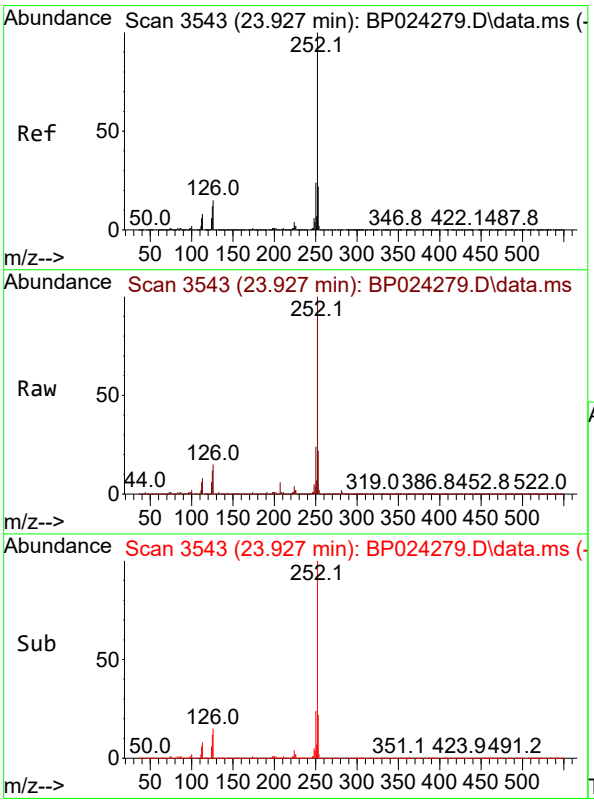
#87
Indeno(1,2,3-cd)pyrene
Concen: 41.987 ng
RT: 28.809 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 4288630

Ion	Ratio	Lower	Upper
276	100		
138	18.1	14.5	21.7
277	25.2	20.2	30.2

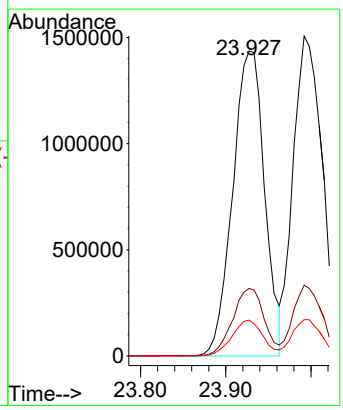


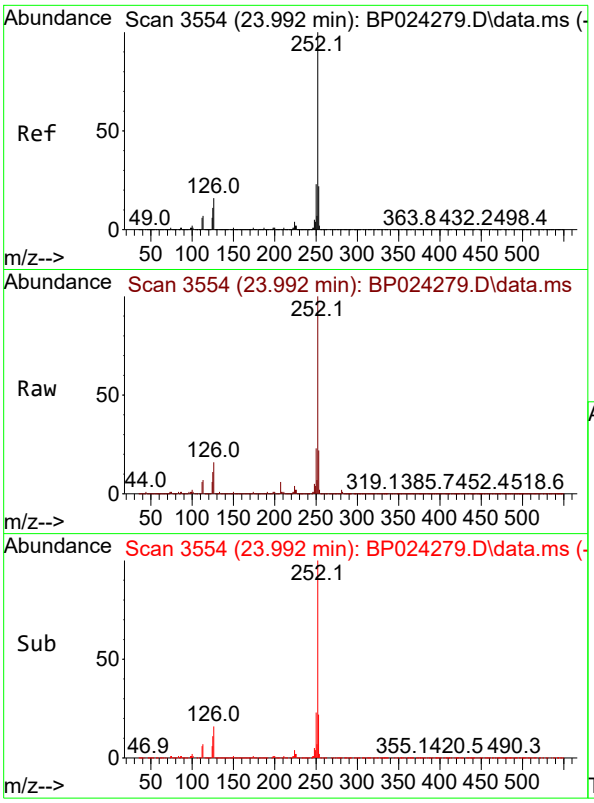


#88
Benzo(b)fluoranthene
Concen: 42.058 ng
RT: 23.927 min Scan# 3543
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:252 Resp: 3737035

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.7	9.4	14.0



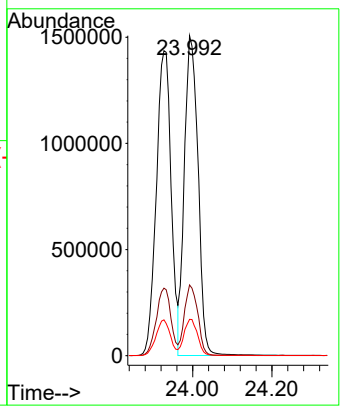


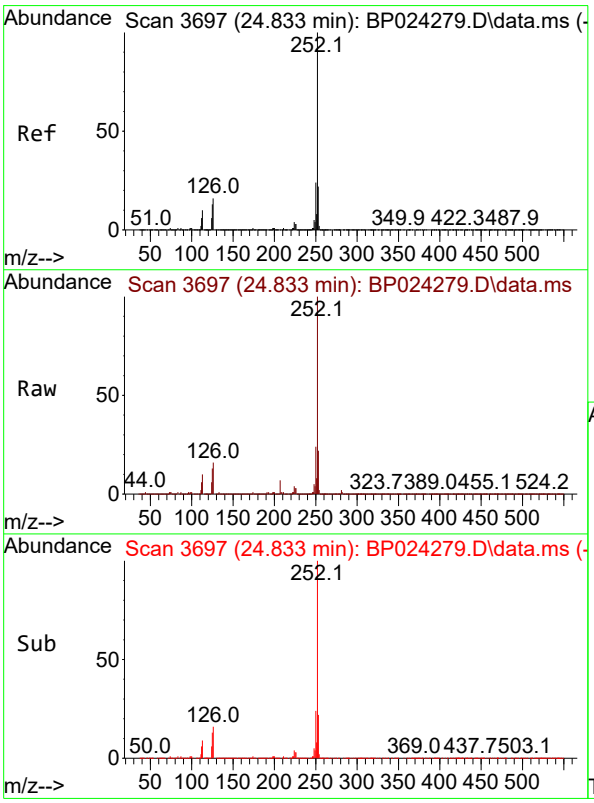
#89
Benzo(k)fluoranthene
Concen: 41.753 ng
RT: 23.992 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 3600626

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.4	9.1	13.7

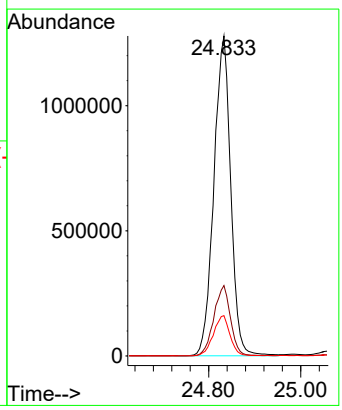


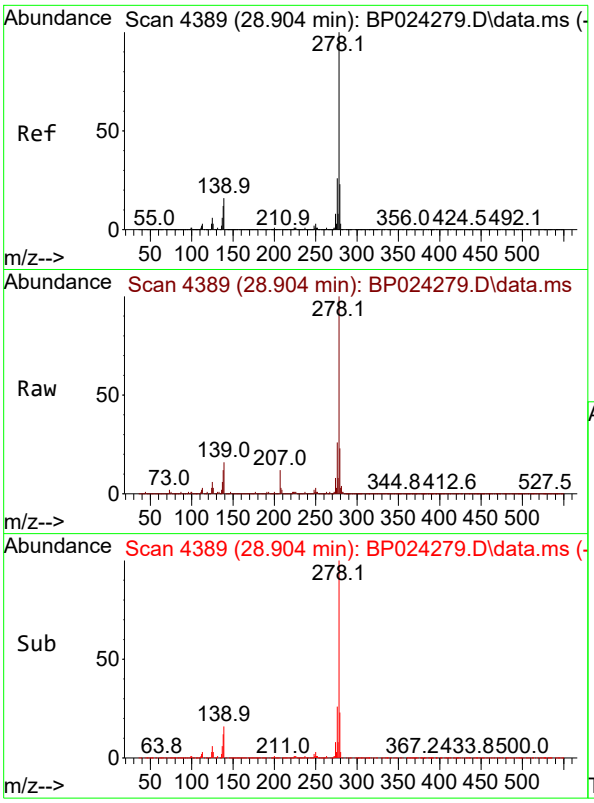


#90
Benzo(a)pyrene
Concen: 42.369 ng
RT: 24.833 min Scan# 3697
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:252 Resp: 3240684

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	12.6	10.1	15.1



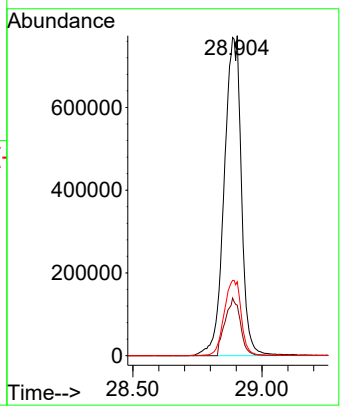


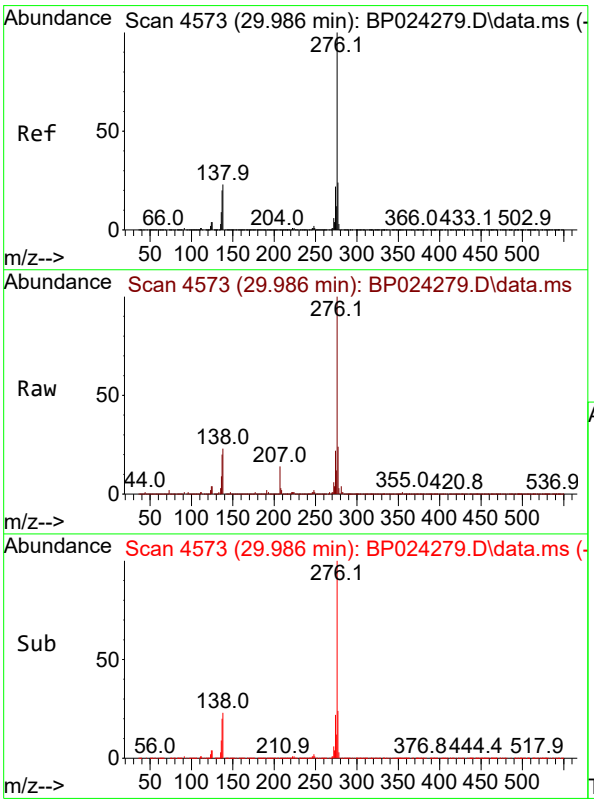
#91
Dibenzo(a,h)anthracene
Concen: 42.061 ng
RT: 28.904 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 3573562

Ion	Ratio	Lower	Upper
278	100		
139	15.8	12.6	19.0
279	23.1	18.5	27.7

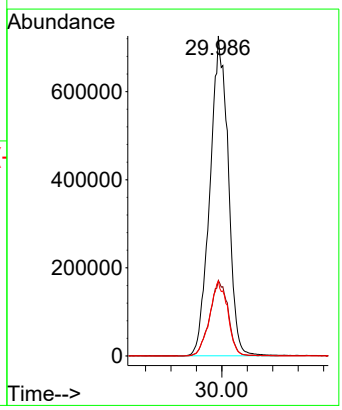




#92
Benzo(g,h,i)perylene
Concen: 41.826 ng
RT: 29.986 min Scan# 4573
Delta R.T. 0.000 min
Lab File: BP024279.D
Acq: 14 Apr 2025 13:49

Tgt Ion:276 Resp: 3617069

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.9	28.3
138	23.4	18.7	28.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024280.D
Acq On : 14 Apr 2025 15:10
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: Apr 14 17:26:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.734	152	277364	20.000	ng		0.00
21) Naphthalene-d8	10.504	136	1176925	20.000	ng		0.00
39) Acenaphthene-d10	14.363	164	760235	20.000	ng		0.00
64) Phenanthrene-d10	17.163	188	1505097	20.000	ng		0.00
76) Chrysene-d12	21.616	240	1527193	20.000	ng		0.00
86) Perylene-d12	24.986	264	1706545	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.352	112	1677842	99.834	ng		0.00
7) Phenol-d6	6.916	99	2353543	102.366	ng		0.00
23) Nitrobenzene-d5	8.881	82	2100100	101.588	ng		0.00
42) 2,4,6-Tribromophenol	15.881	330	1098486	105.521	ng		0.00
45) 2-Fluorobiphenyl	12.975	172	4800845	95.877	ng		0.00
79) Terphenyl-d14	19.898	244	7671902	100.142	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.293	88	333474	46.479	ng		100
3) Pyridine	3.687	79	924382m	49.495	ng		
4) n-Nitrosodimethylamine	3.593	42	306279	49.180	ng		99
6) Aniline	7.075	93	972988	46.879	ng		100
8) 2-Chlorophenol	7.310	128	942078	50.160	ng		99
9) Benzaldehyde	6.887	77	507606	42.627	ng		97
10) Phenol	6.946	94	1177623	51.012	ng		99
11) bis(2-Chloroethyl)ether	7.163	93	915679	49.085	ng		100
12) 1,3-Dichlorobenzene	7.622	146	972089	47.770	ng		100
13) 1,4-Dichlorobenzene	7.769	146	995872	48.262	ng		99
14) 1,2-Dichlorobenzene	8.087	146	944314	47.327	ng		99
15) Benzyl Alcohol	7.975	79	791998	53.745	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.257	45	973910	47.988	ng		99
17) 2-Methylphenol	8.175	107	766536	51.526	ng		100
18) Hexachloroethane	8.805	117	360999	48.472	ng		98
19) n-Nitroso-di-n-propyla...	8.534	70	722064	50.562	ng		98
20) 3+4-Methylphenols	8.505	107	1086273	52.718	ng		99
22) Acetophenone	8.546	105	1441728	49.289	ng	#	99
24) Nitrobenzene	8.922	77	1025983	50.074	ng		99
25) Isophorone	9.446	82	1913172	51.264	ng		99
26) 2-Nitrophenol	9.622	139	541332	55.024	ng		98
27) 2,4-Dimethylphenol	9.687	122	662183	53.106	ng		99
28) bis(2-Chloroethoxy)met...	9.922	93	1265001	49.803	ng		100
29) 2,4-Dichlorophenol	10.157	162	904519	53.225	ng		100
30) 1,2,4-Trichlorobenzene	10.369	180	908732	49.426	ng		98
31) Naphthalene	10.557	128	3049887	48.957	ng		100
32) Benzoic acid	9.851	122	794832	58.988	ng		99
33) 4-Chloroaniline	10.669	127	1110772	51.030	ng		99
34) Hexachlorobutadiene	10.840	225	533336	49.450	ng		99
35) Caprolactam	11.463	113	339834	54.466	ng		100
36) 4-Chloro-3-methylphenol	11.798	107	1046795	52.860	ng		99
37) 2-Methylnaphthalene	12.169	142	2156247	49.942	ng		99
38) 1-Methylnaphthalene	12.393	142	2095184	49.538	ng		99
40) 1,2,4,5-Tetrachloroben...	12.540	216	1034638	49.522	ng		99
41) Hexachlorocyclopentadiene	12.522	237	378578	51.614	ng		99
43) 2,4,6-Trichlorophenol	12.787	196	732902	53.315	ng		96

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024280.D
Acq On : 14 Apr 2025 15:10
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: Apr 14 17:26:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

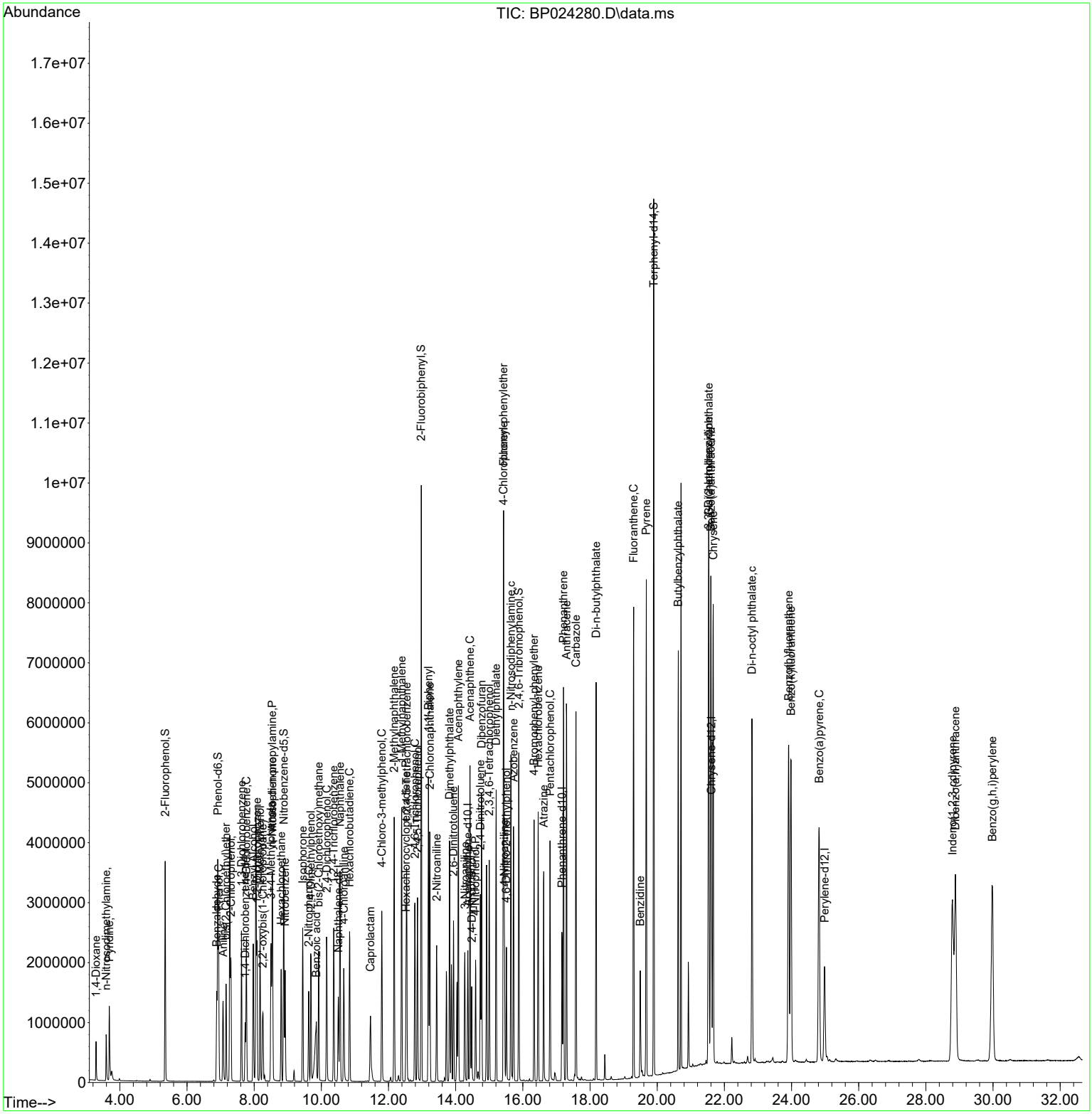
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.863	196	814885	53.491	ng	98
46) 1,1'-Biphenyl	13.187	154	2725840	48.551	ng	99
47) 2-Chloronaphthalene	13.234	162	2062098	49.220	ng	100
48) 2-Nitroaniline	13.434	65	616599	53.282	ng	98
49) Acenaphthylene	14.081	152	3279666	49.877	ng	100
50) Dimethylphthalate	13.822	163	2775759	50.046	ng	100
51) 2,6-Dinitrotoluene	13.934	165	606525	51.903	ng	98
52) Acenaphthene	14.428	154	2054333	49.128	ng	100
53) 3-Nitroaniline	14.275	138	649071	53.536	ng	98
54) 2,4-Dinitrophenol	14.481	184	373165	59.640	ng	99
55) Dibenzofuran	14.769	168	3318798	48.392	ng	100
56) 4-Nitrophenol	14.592	139	581023	55.750	ng	97
57) 2,4-Dinitrotoluene	14.734	165	839701	53.160	ng	99
58) Fluorene	15.428	166	2599105	49.085	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.998	232	734741	52.128	ng	100
60) Diethylphthalate	15.204	149	2849294	49.914	ng	100
61) 4-Chlorophenyl-phenyle...	15.422	204	1267291	49.287	ng	99
62) 4-Nitroaniline	15.451	138	691081	53.764	ng	96
63) Azobenzene	15.722	77	2632843	50.076	ng	99
65) 4,6-Dinitro-2-methylph...	15.510	198	503765	57.285	ng	97
66) n-Nitrosodiphenylamine	15.645	169	2225475	49.312	ng	100
67) 4-Bromophenyl-phenylether	16.334	248	827245	50.389	ng	99
68) Hexachlorobenzene	16.457	284	983768	50.405	ng	98
69) Atrazine	16.622	200	610479	53.356	ng	100
70) Pentachlorophenol	16.810	266	739779	55.203	ng	99
71) Phenanthrene	17.210	178	4024282	48.768	ng	100
72) Anthracene	17.298	178	3960913	49.883	ng	100
73) Carbazole	17.581	167	3814743	49.364	ng	100
74) Di-n-butylphthalate	18.180	149	4930617	51.208	ng	100
75) Fluoranthene	19.298	202	4815021	49.160	ng	99
77) Benzidine	19.498	184	1272924	67.525	ng	99
78) Pyrene	19.675	202	4942328	50.577	ng	100
80) Butylbenzylphthalate	20.627	149	2215843	53.788	ng	97
81) Benzo(a)anthracene	21.598	228	4711301	49.485	ng	99
82) 3,3'-Dichlorobenzidine	21.527	252	1768950	53.582	ng	99
83) Chrysene	21.669	228	4480150	49.099	ng	100
84) Bis(2-ethylhexyl)phtha...	21.539	149	3256722	53.679	ng	99
85) Di-n-octyl phthalate	22.821	149	5458484	56.166	ng	99
87) Indeno(1,2,3-cd)pyrene	28.792	276	5977144m	50.926	ng	
88) Benzo(b)fluoranthene	23.915	252	5102465	49.975	ng	99
89) Benzo(k)fluoranthene	23.986	252	4923203	49.683	ng	99
90) Benzo(a)pyrene	24.821	252	4490517	51.093	ng	100
91) Dibenzo(a,h)anthracene	28.880	278	4987219	51.084	ng	98
92) Benzo(g,h,i)perylene	29.980	276	5033807	50.656	ng	99

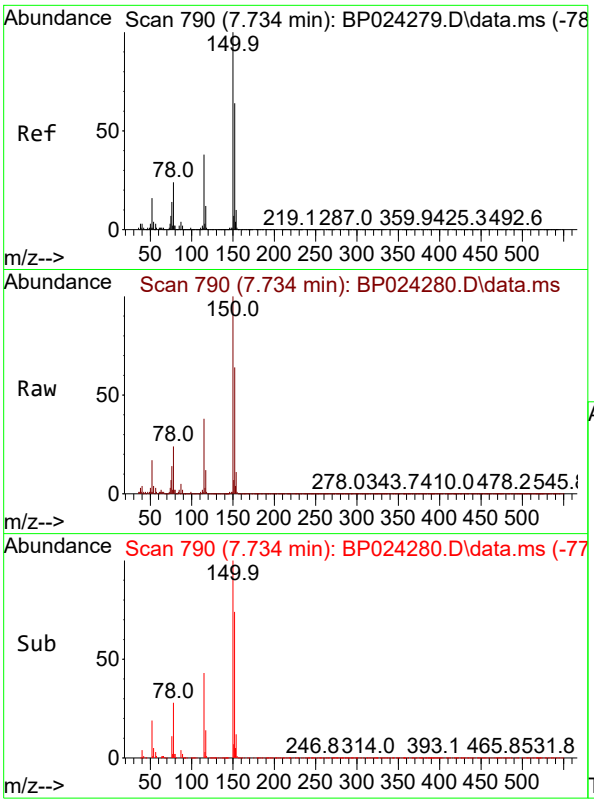
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024280.D
Acq On : 14 Apr 2025 15:10
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: Apr 14 17:26:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration



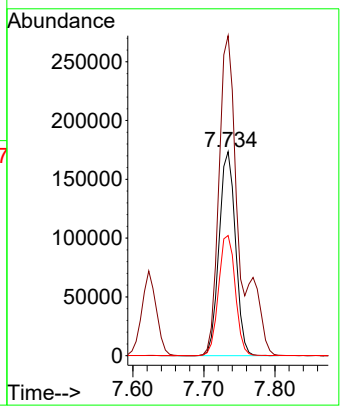


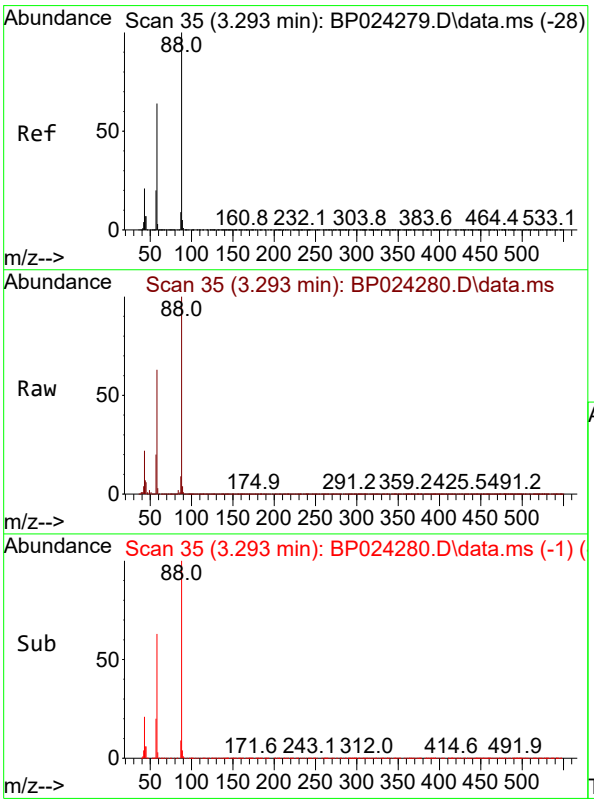
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.734 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 277364

Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.9	187.3
115	58.9	47.7	71.5

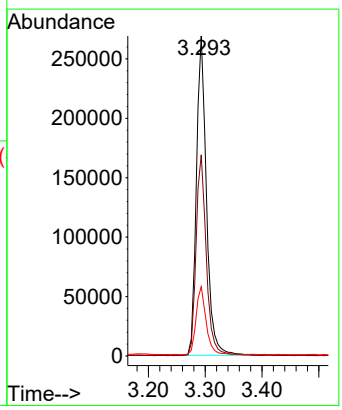


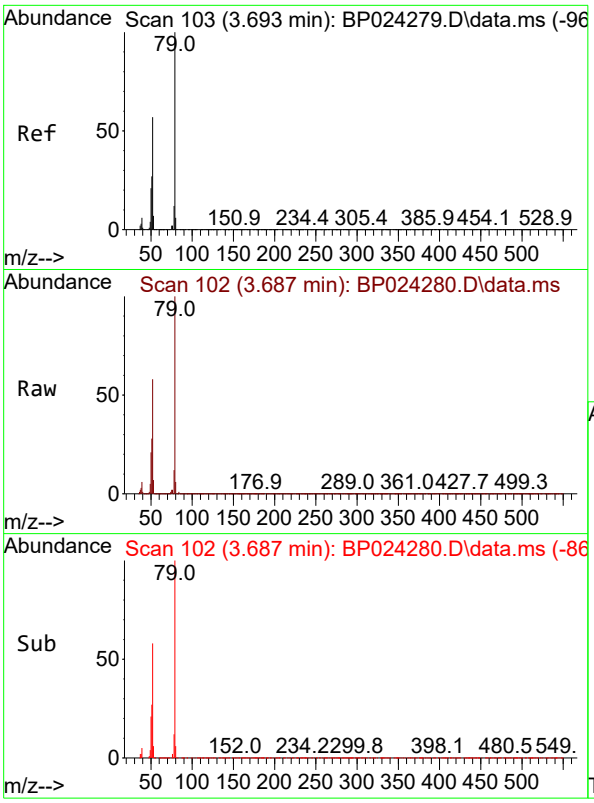


#2
1,4-Dioxane
Concen: 46.479 ng
RT: 3.293 min Scan# 35
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion: 88 Resp: 333474

Ion	Ratio	Lower	Upper
88	100		
58	64.0	51.4	77.2
43	21.2	17.1	25.7



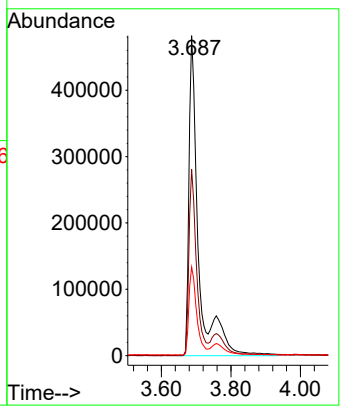


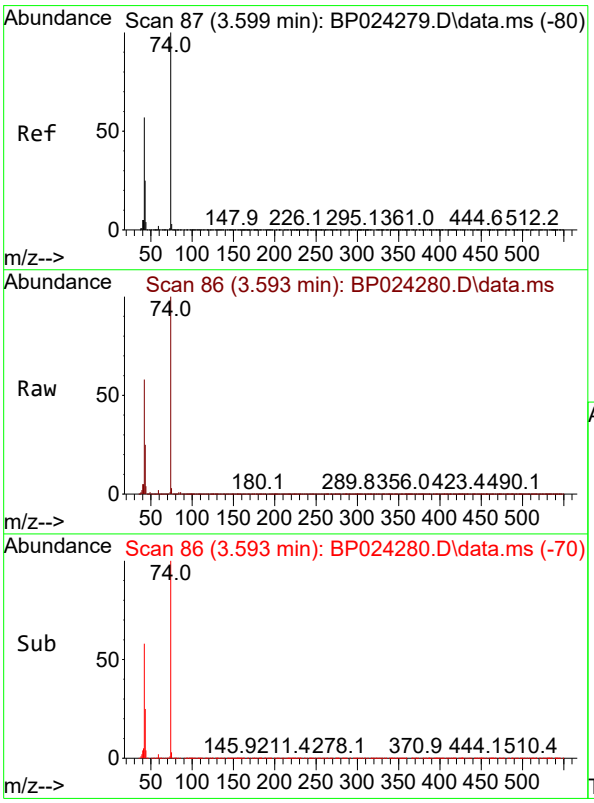
#3
Pyridine
Concen: 49.495 ng m
RT: 3.687 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 924382

Ion	Ratio	Lower	Upper
79	100		
52	58.2	45.4	68.2
51	27.7	22.6	33.8

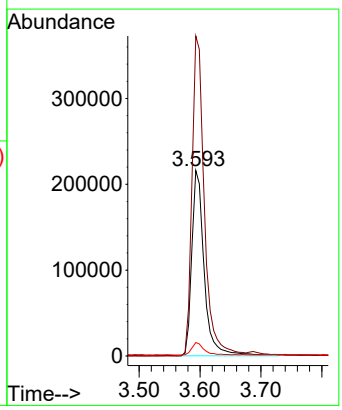


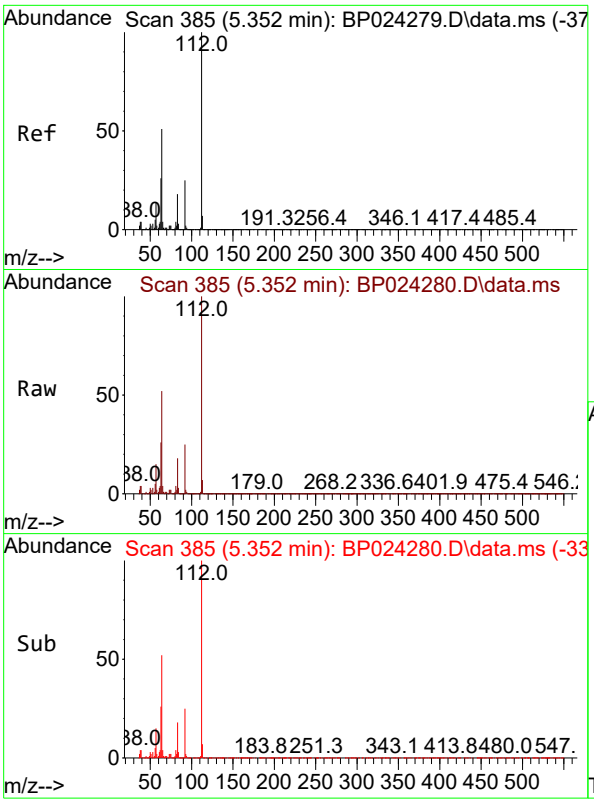


#4
n-Nitrosodimethylamine
Concen: 49.180 ng
RT: 3.593 min Scan# 86
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion: 42 Resp: 306279

Ion	Ratio	Lower	Upper
42	100		
74	172.6	139.5	209.3
44	7.3	5.8	8.8



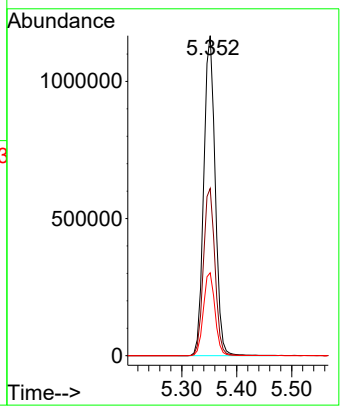


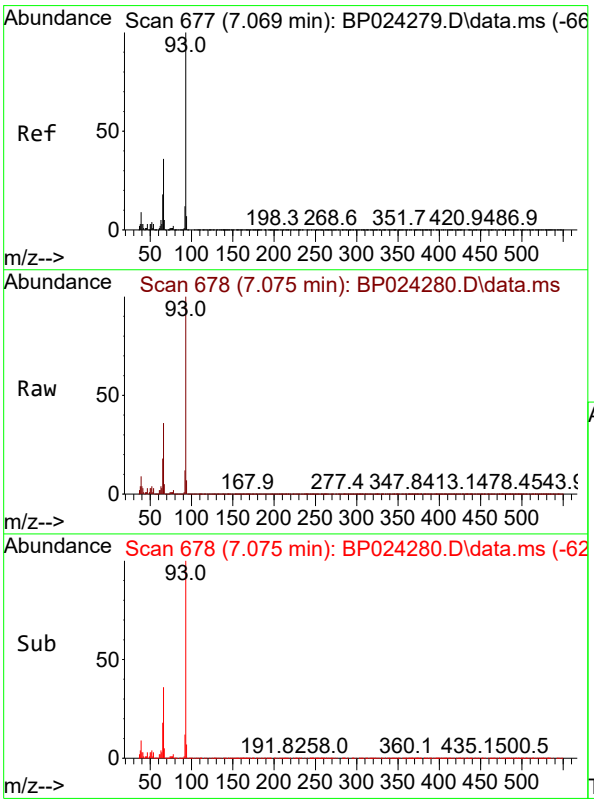
#5
2-Fluorophenol
Concen: 99.834 ng
RT: 5.352 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 1677842

Ion	Ratio	Lower	Upper
112	100		
64	52.2	41.1	61.7
63	25.9	20.6	30.8

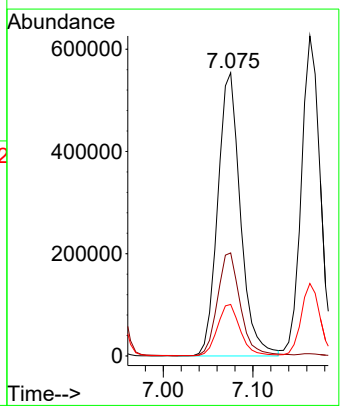


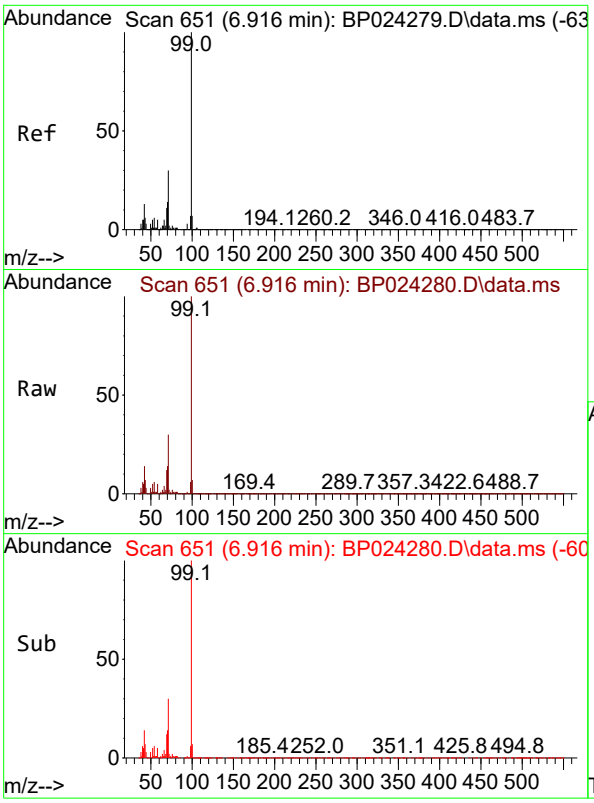


#6
Aniline
Concen: 46.879 ng
RT: 7.075 min Scan# 678
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion: 93 Resp: 972988

Ion	Ratio	Lower	Upper
93	100		
66	36.4	29.1	43.7
65	18.2	14.7	22.1



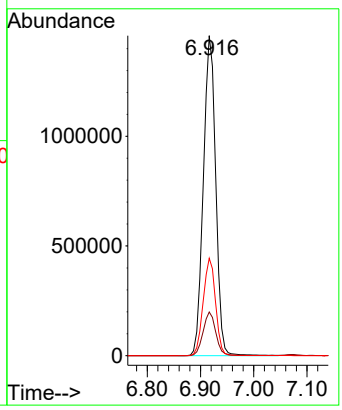


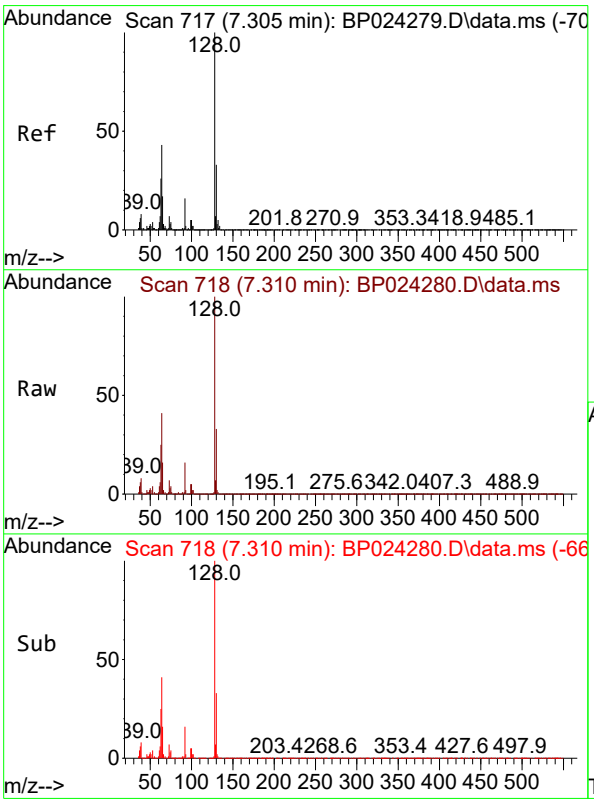
#7
Phenol-d6
Concen: 102.366 ng
RT: 6.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 2353543

Ion	Ratio	Lower	Upper
99	100		
42	13.7	10.6	16.0
71	30.4	23.7	35.5

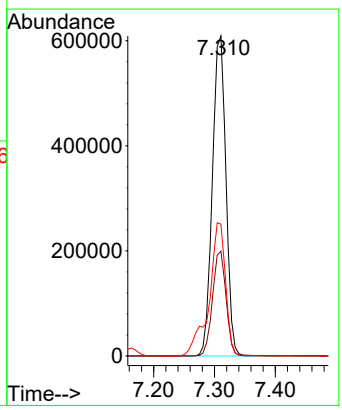


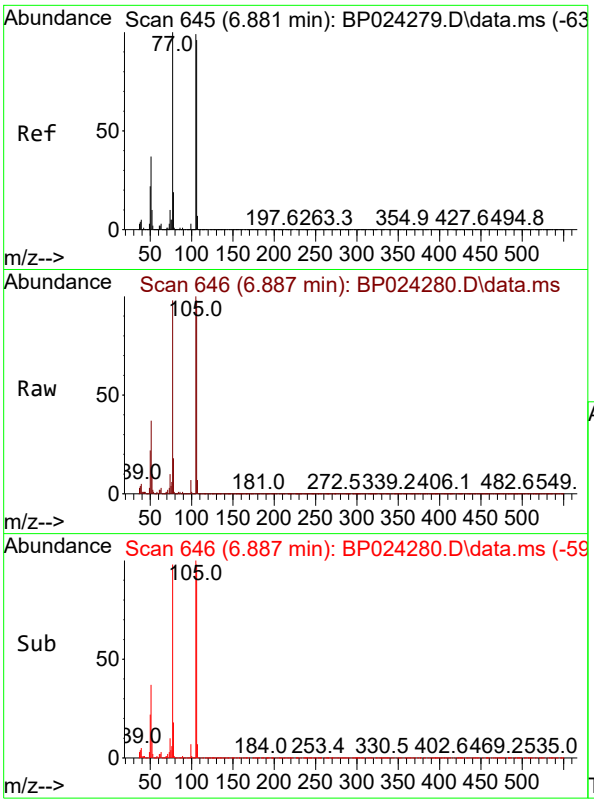


#8
2-Chlorophenol
Concen: 50.160 ng
RT: 7.310 min Scan# 718
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:128 Resp: 942078

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.9	52.9
64	41.2	22.7	62.7



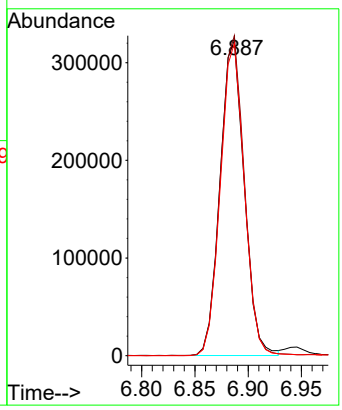


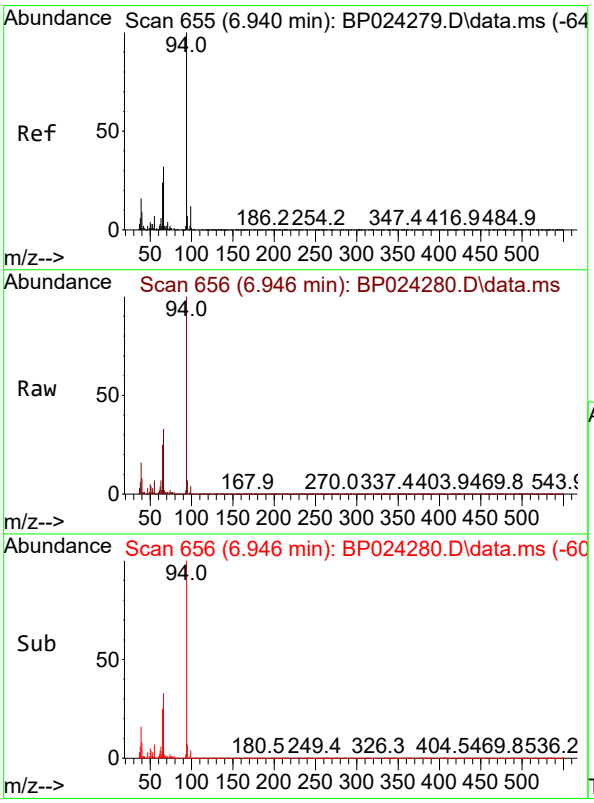
#9
Benzaldehyde
Concen: 42.627 ng
RT: 6.887 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 507606

Ion	Ratio	Lower	Upper
77	100		
105	101.5	79.2	119.2
106	99.2	76.2	116.2

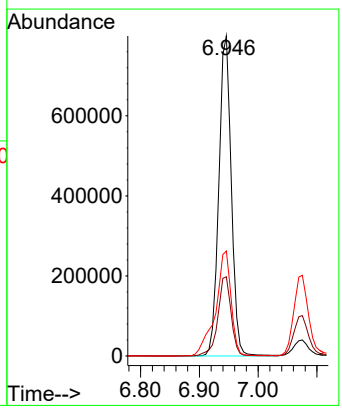


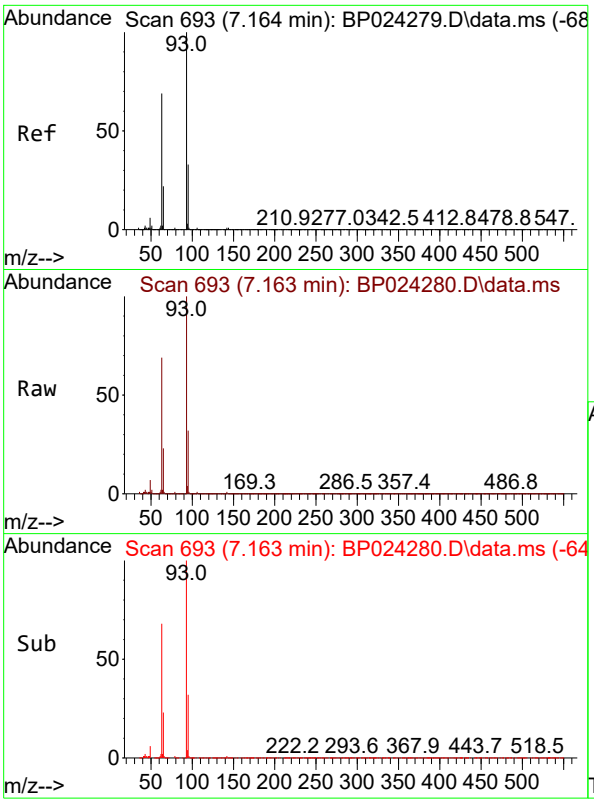


#10
Phenol
Concen: 51.012 ng
RT: 6.946 min Scan# 656
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion: 94 Resp: 1177623

Ion	Ratio	Lower	Upper
94	100		
65	24.8	4.5	44.5
66	32.8	12.4	52.4



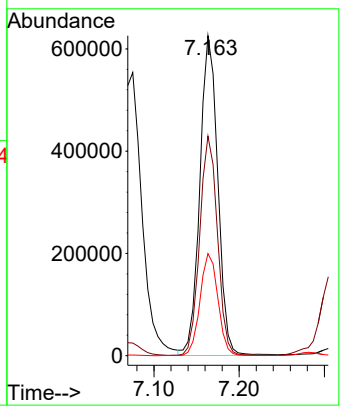


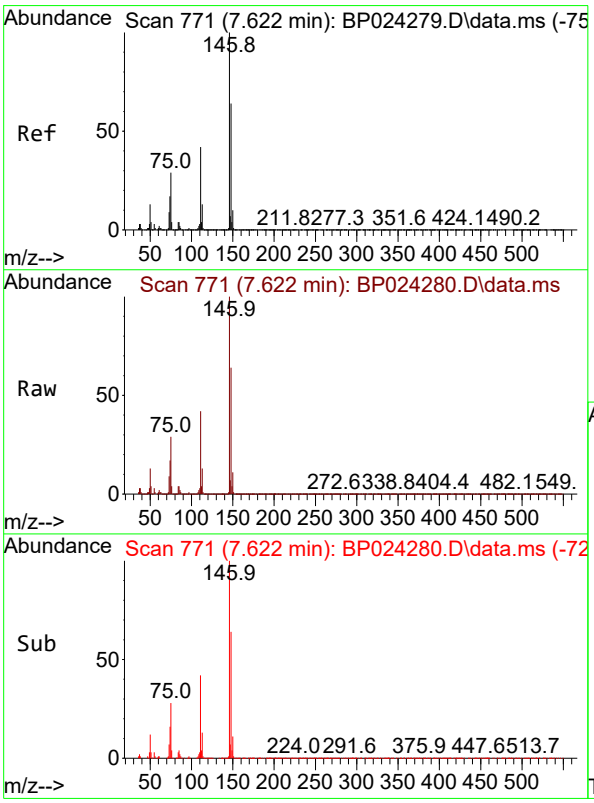
#11
bis(2-Chloroethyl)ether
Concen: 49.085 ng
RT: 7.163 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 915679

Ion	Ratio	Lower	Upper
93	100		
63	68.6	48.6	88.6
95	31.9	12.3	52.3

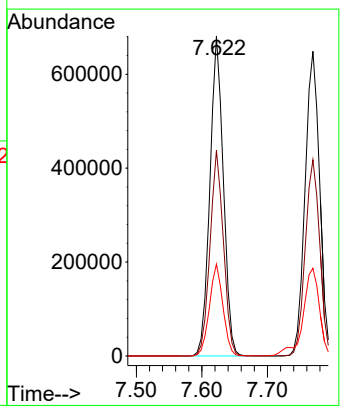


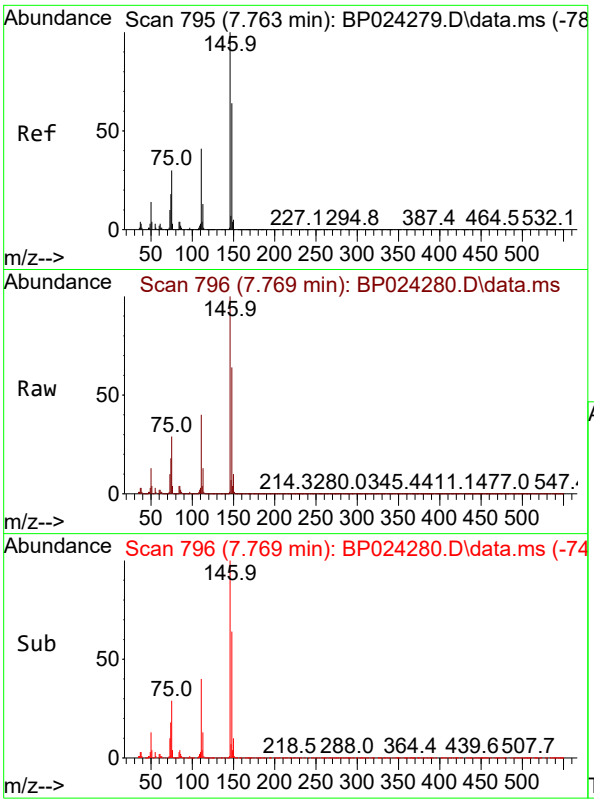


#12
1,3-Dichlorobenzene
Concen: 47.770 ng
RT: 7.622 min Scan# 771
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:146 Resp: 972089

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.4	77.0
75	28.7	22.9	34.3



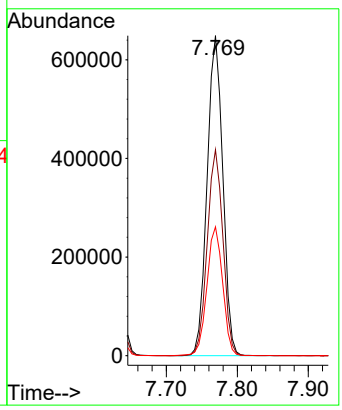


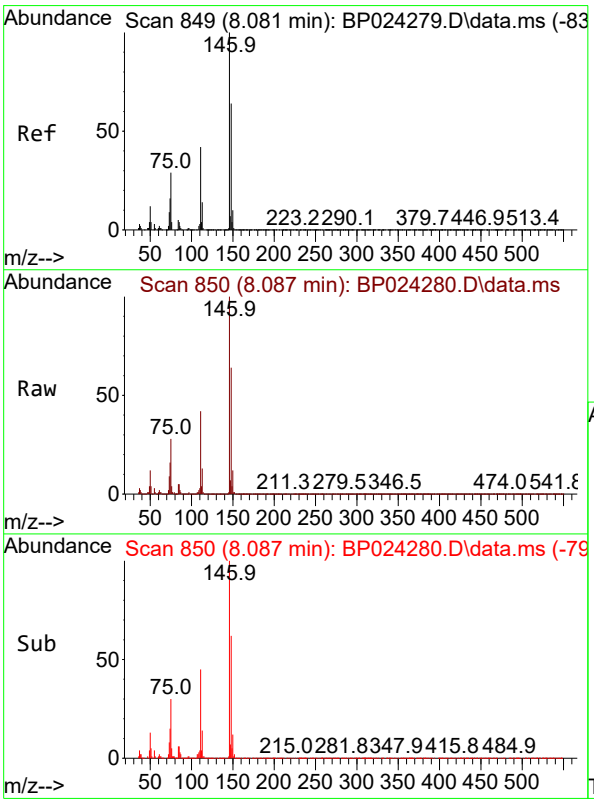
#13
1,4-Dichlorobenzene
Concen: 48.262 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 995872

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.1	76.7
111	40.3	32.6	48.8

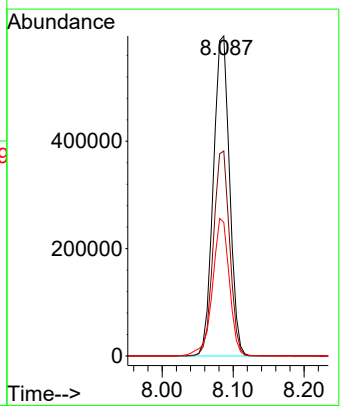


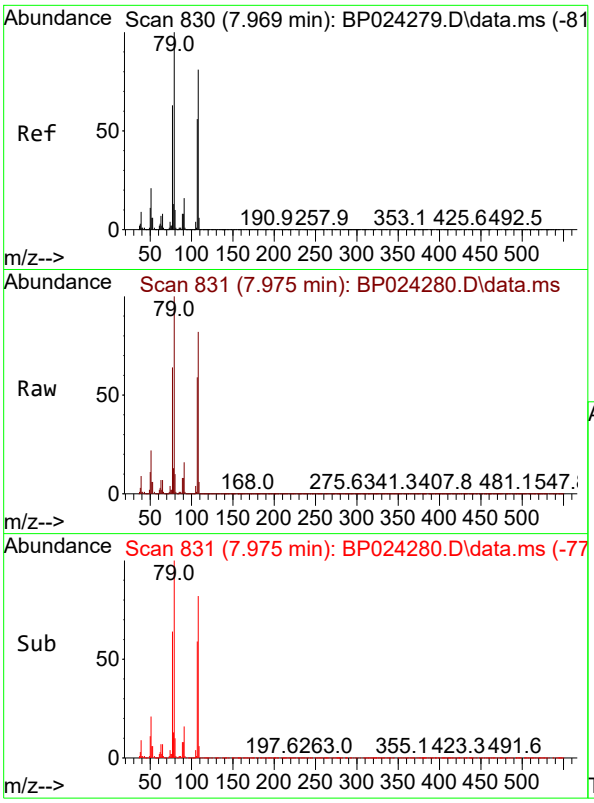


#14
1,2-Dichlorobenzene
Concen: 47.327 ng
RT: 8.087 min Scan# 850
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:146 Resp: 944314

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.0	76.4
111	41.8	33.8	50.8



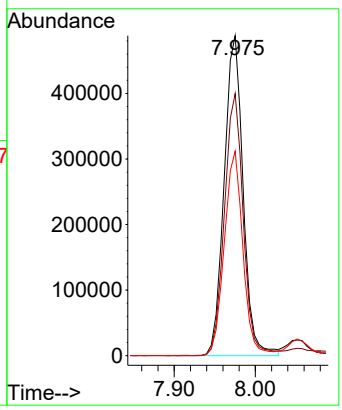


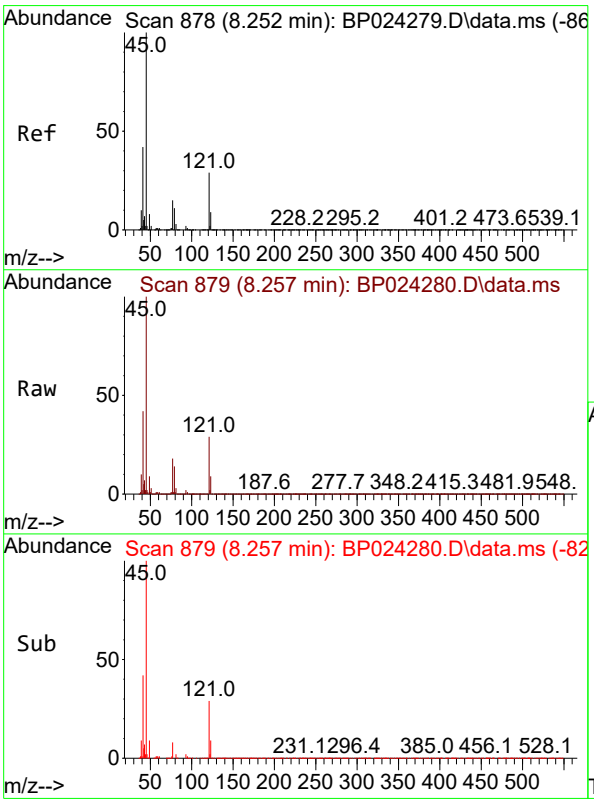
#15
Benzyl Alcohol
Concen: 53.745 ng
RT: 7.975 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 791998

Ion	Ratio	Lower	Upper
79	100		
108	81.9	65.1	97.7
77	63.9	50.7	76.1

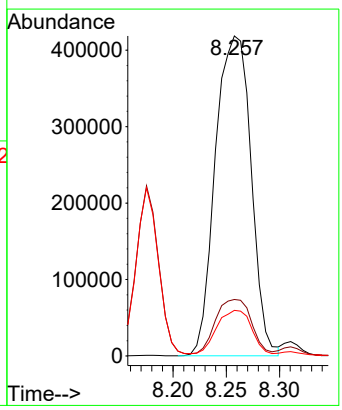


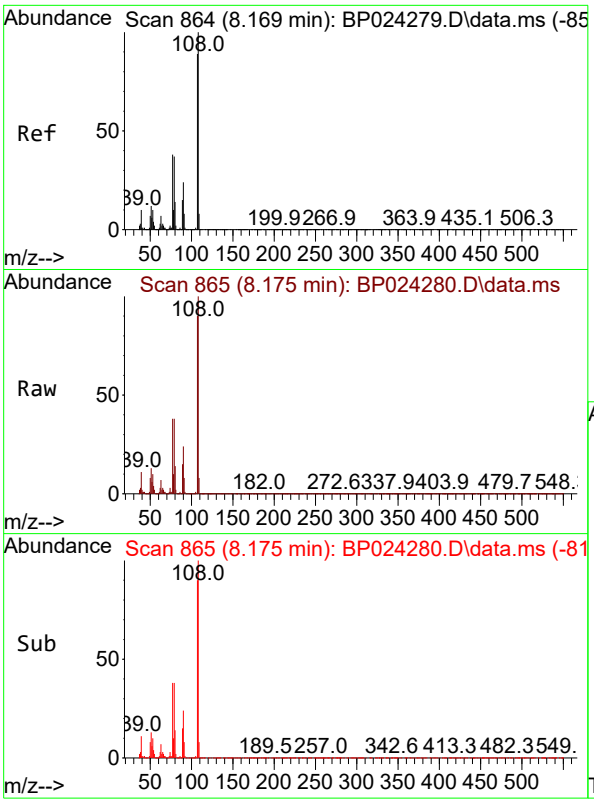


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.988 ng
RT: 8.257 min Scan# 879
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion: 45 Resp: 973910

Ion	Ratio	Lower	Upper
45	100		
77	17.6	0.0	37.7
79	14.2	0.0	33.5



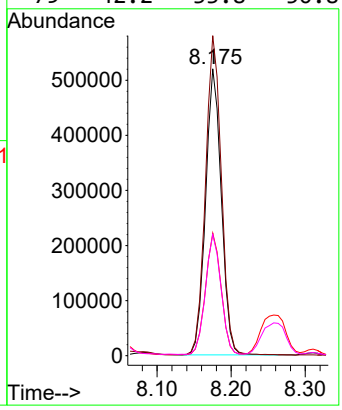


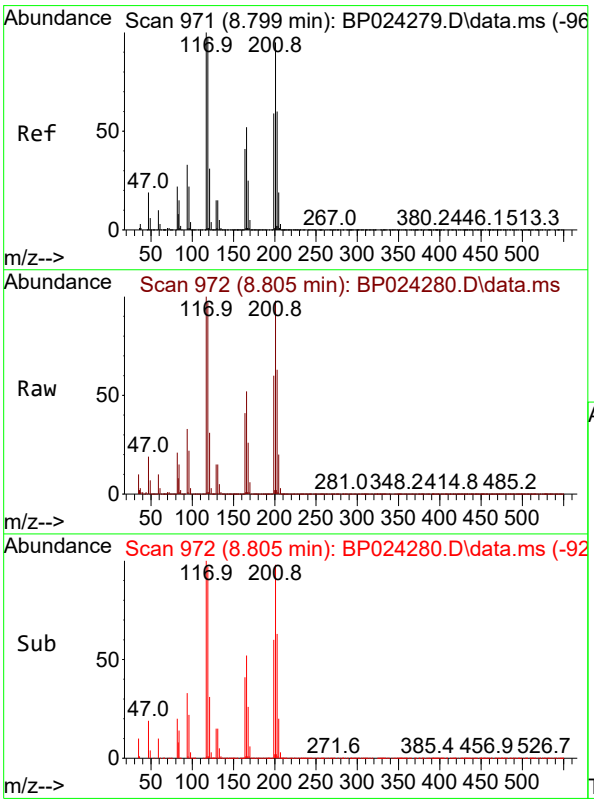
#17
2-Methylphenol
Concen: 51.526 ng
RT: 8.175 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 766536

Ion	Ratio	Lower	Upper
107	100		
108	111.5	89.8	134.6
77	42.7	34.2	51.4
79	42.2	33.8	50.8

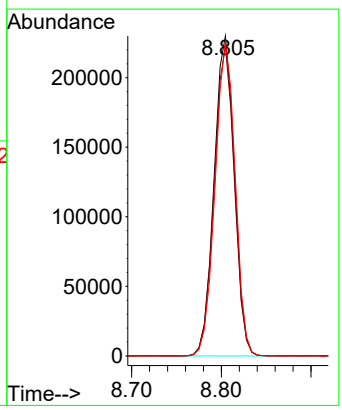


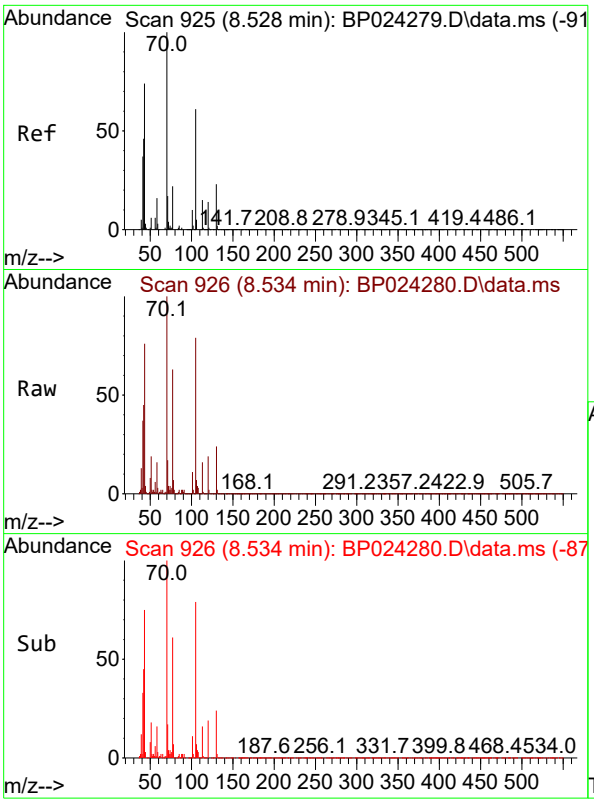


#18
Hexachloroethane
Concen: 48.472 ng
RT: 8.805 min Scan# 972
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:117 Resp: 360999

Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.8	116.6
201	98.2	75.9	113.9



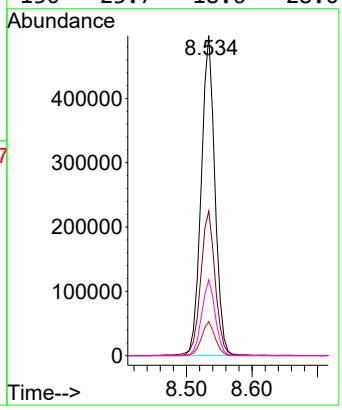


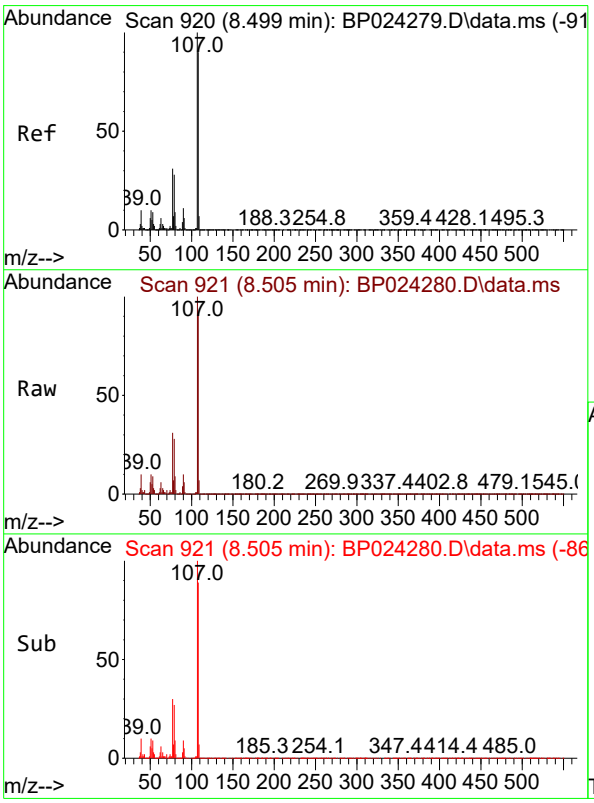
#19
n-Nitroso-di-n-propylamine
Concen: 50.562 ng
RT: 8.534 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 722064

Ion	Ratio	Lower	Upper
70	100		
42	45.2	37.3	55.9
101	10.6	8.2	12.4
130	23.7	18.6	28.0

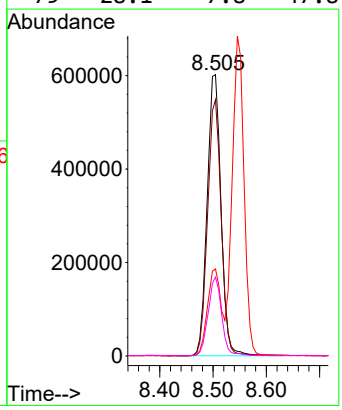


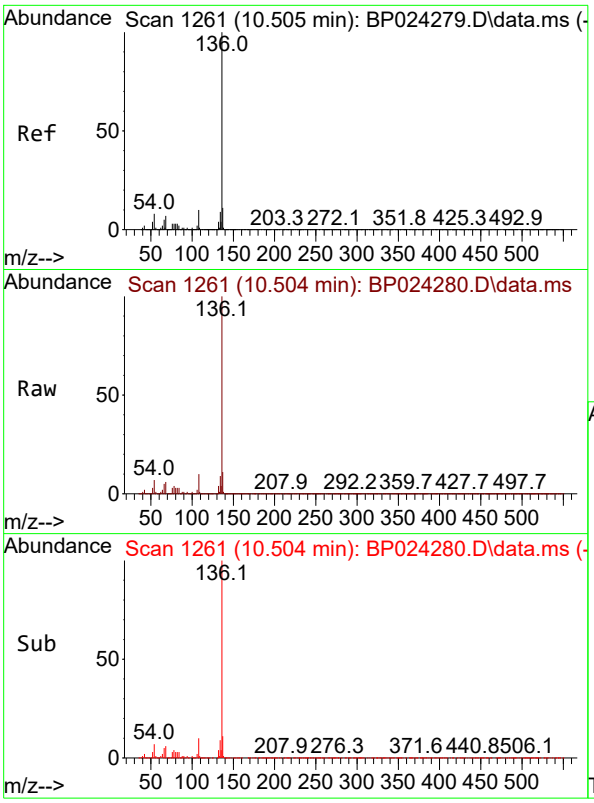


#20
3+4-Methylphenols
Concen: 52.718 ng
RT: 8.505 min Scan# 921
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:107 Resp: 1086273

Ion	Ratio	Lower	Upper
107	100		
108	91.1	69.8	109.8
77	31.0	11.5	51.5
79	28.1	7.8	47.8



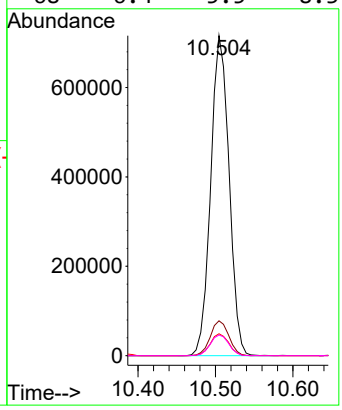


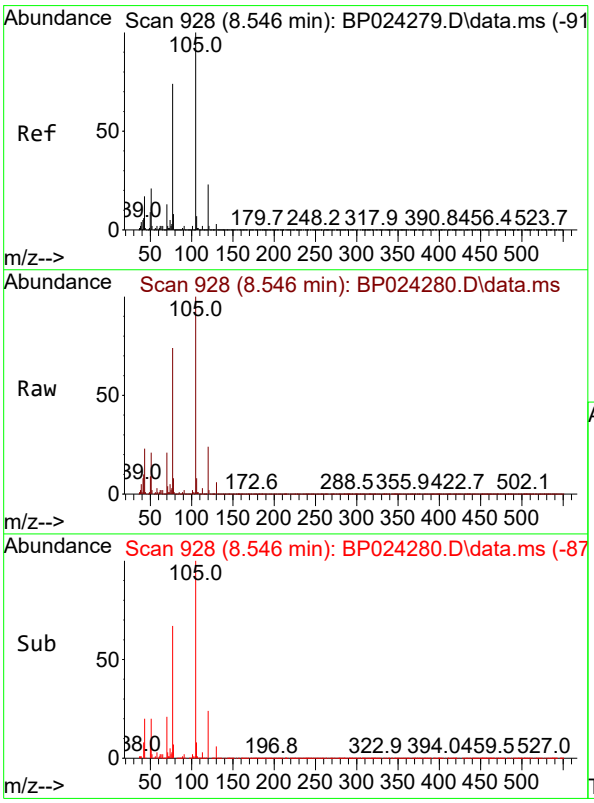
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.504 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 1176925

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	6.9	6.0	9.0
68	6.4	5.5	8.3

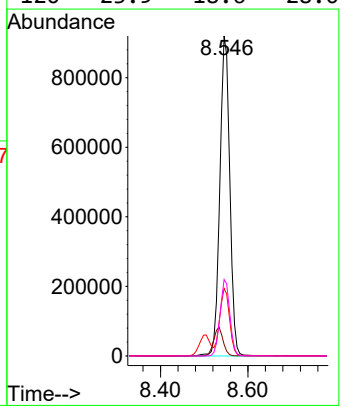


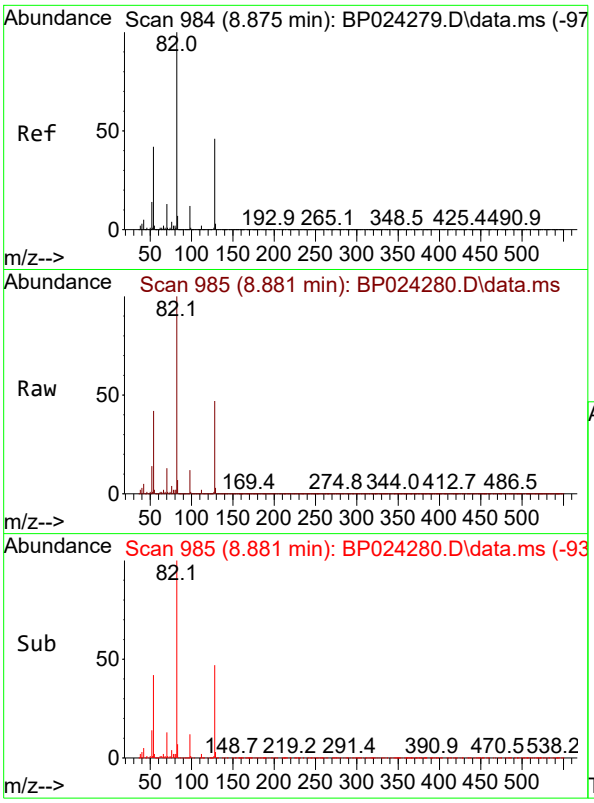


#22
Acetophenone
Concen: 49.289 ng
RT: 8.546 min Scan# 928
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:105 Resp: 1441728

Ion	Ratio	Lower	Upper
105	100		
71	3.6	1.7	2.5#
51	21.1	16.9	25.3
120	23.9	18.6	28.0



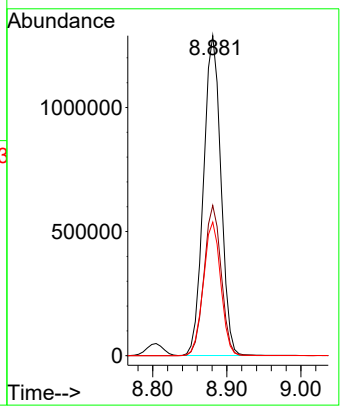


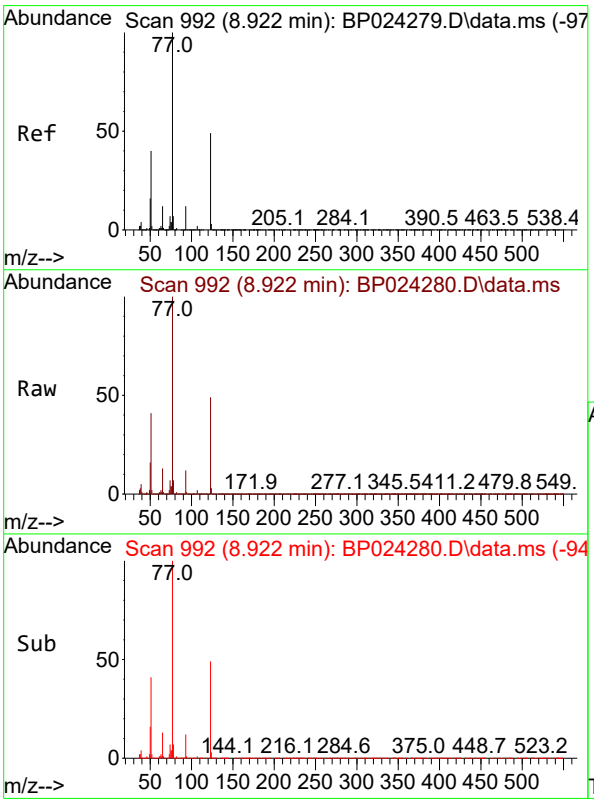
#23
Nitrobenzene-d5
Concen: 101.588 ng
RT: 8.881 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 2100100

Ion	Ratio	Lower	Upper
82	100		
128	46.9	36.5	54.7
54	41.8	33.4	50.2

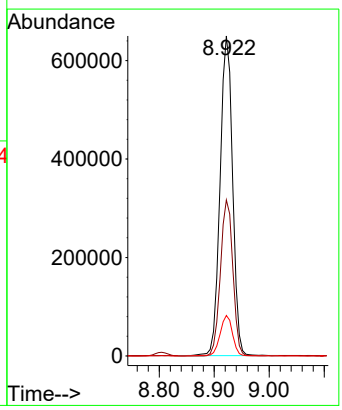


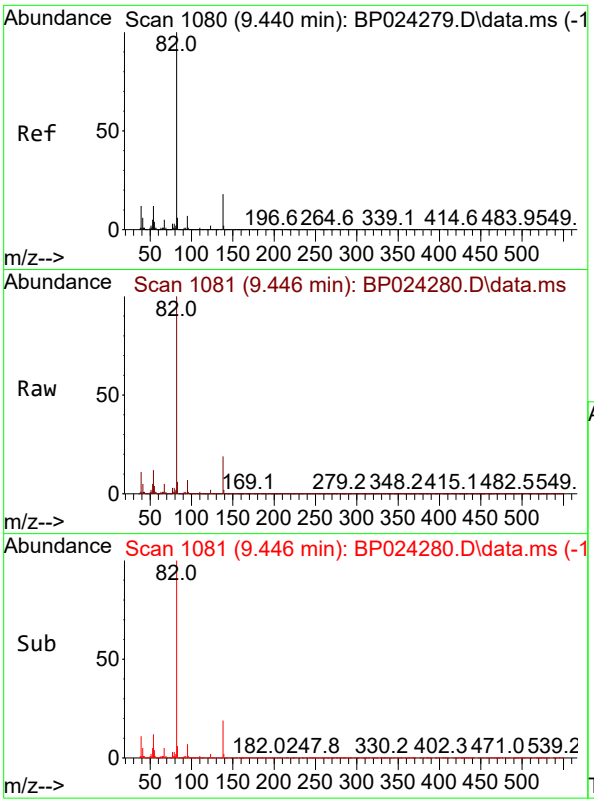


#24
Nitrobenzene
Concen: 50.074 ng
RT: 8.922 min Scan# 992
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion: 77 Resp: 1025983

Ion	Ratio	Lower	Upper
77	100		
123	48.7	39.2	58.8
65	12.7	9.8	14.6



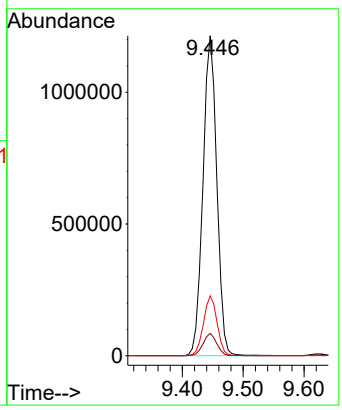


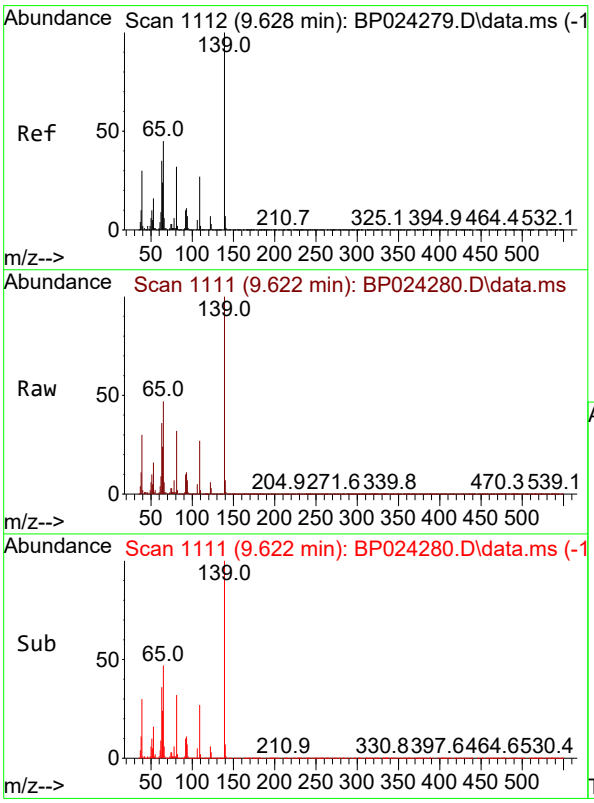
#25
Isophorone
Concen: 51.264 ng
RT: 9.446 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1913172

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.4	8.2
138	18.7	14.4	21.6

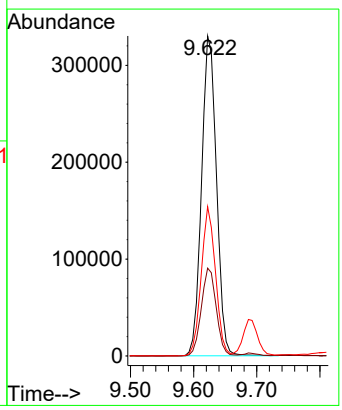


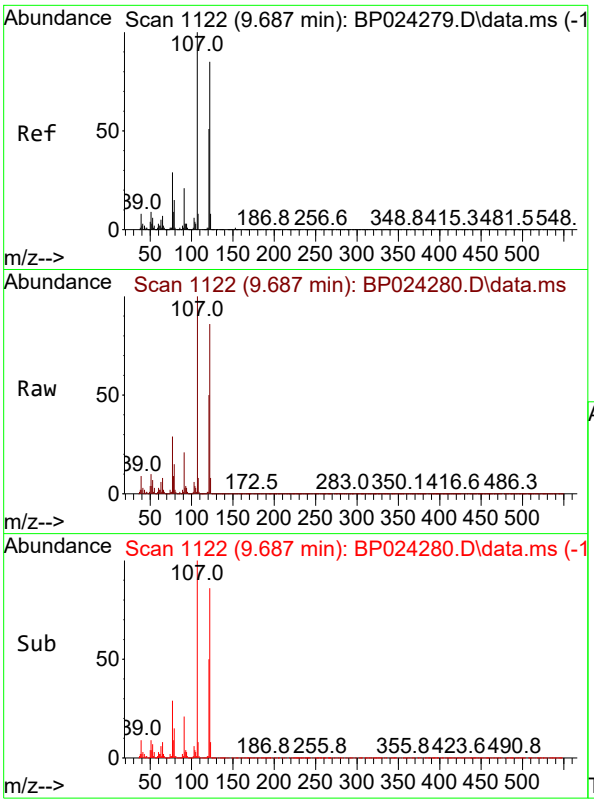


#26
2-Nitrophenol
Concen: 55.024 ng
RT: 9.622 min Scan# 1111
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:139 Resp: 541332

Ion	Ratio	Lower	Upper
139	100		
109	27.5	21.8	32.6
65	46.7	36.2	54.2



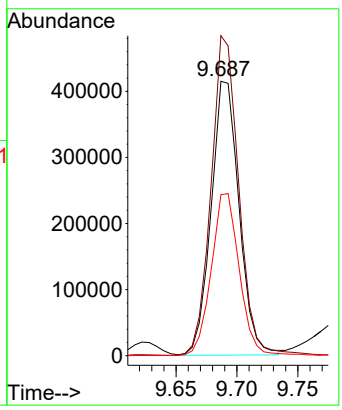


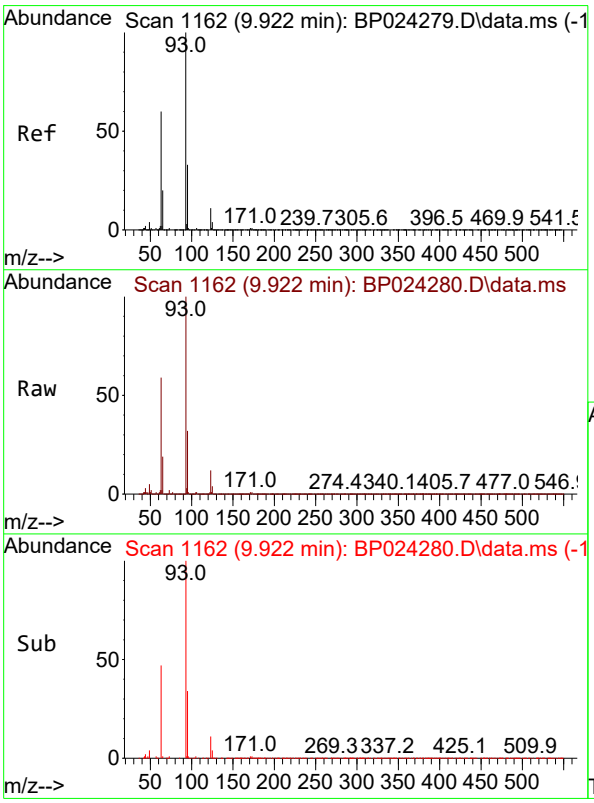
#27
2,4-Dimethylphenol
Concen: 53.106 ng
RT: 9.687 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 662183

Ion	Ratio	Lower	Upper
122	100		
107	116.6	93.7	140.5
121	58.7	48.2	72.2

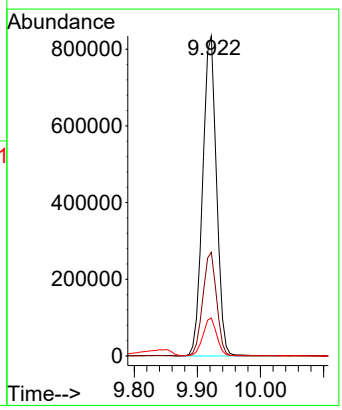


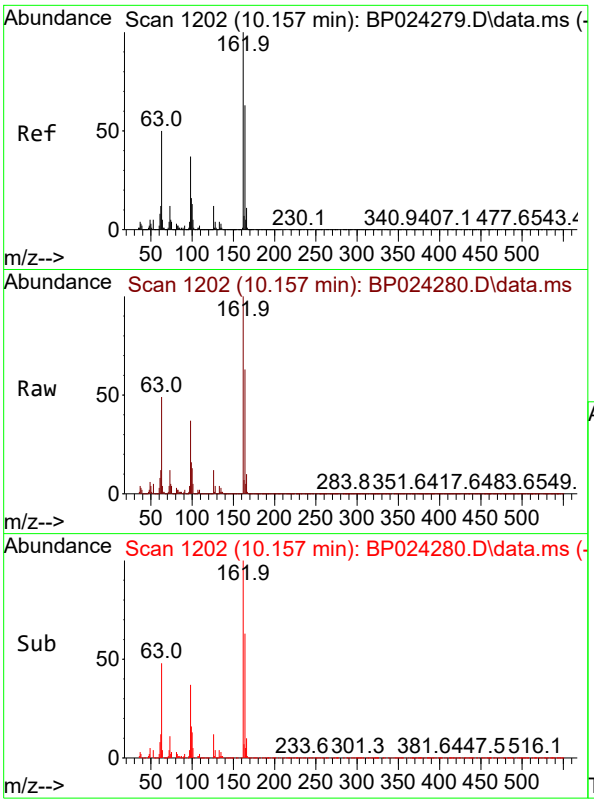


#28
bis(2-Chloroethoxy)methane
Concen: 49.803 ng
RT: 9.922 min Scan# 1162
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion: 93 Resp: 1265001

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.0	39.0
123	11.8	9.1	13.7



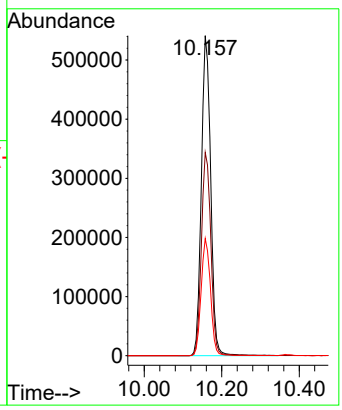


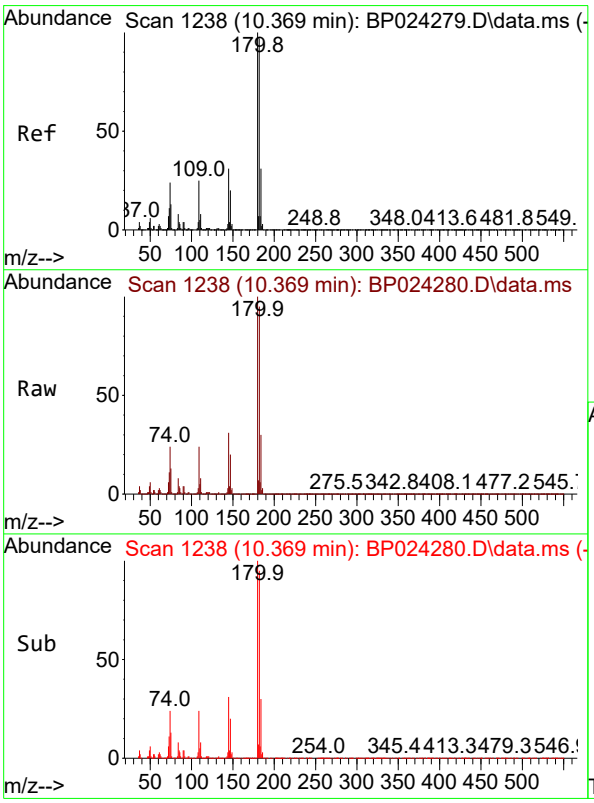
#29
2,4-Dichlorophenol
Concen: 53.225 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 904519

Ion	Ratio	Lower	Upper
162	100		
164	63.5	43.3	83.3
98	36.6	16.6	56.6

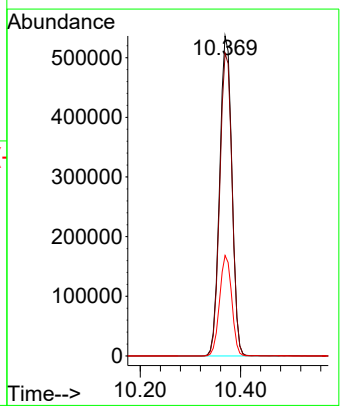


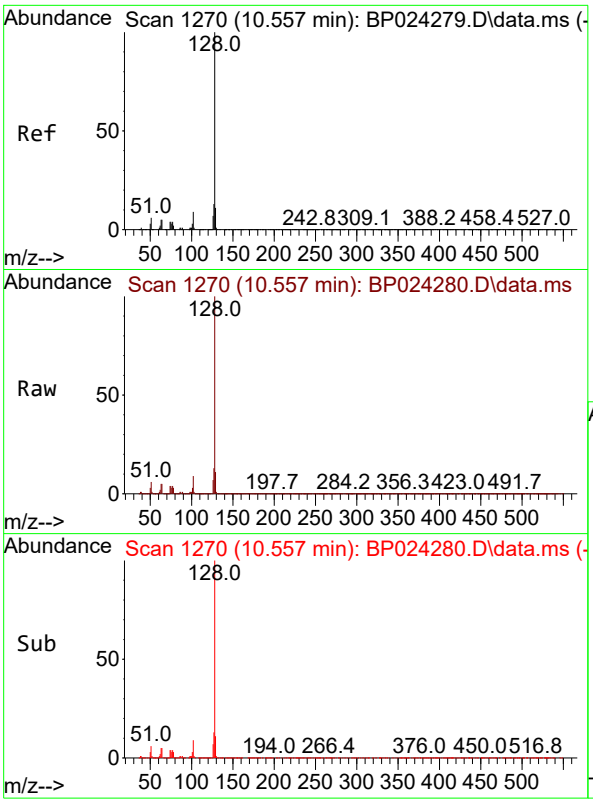


#30
1,2,4-Trichlorobenzene
Concen: 49.426 ng
RT: 10.369 min Scan# 1238
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:180 Resp: 908732

Ion	Ratio	Lower	Upper
180	100		
182	94.5	77.3	115.9
145	31.4	25.1	37.7



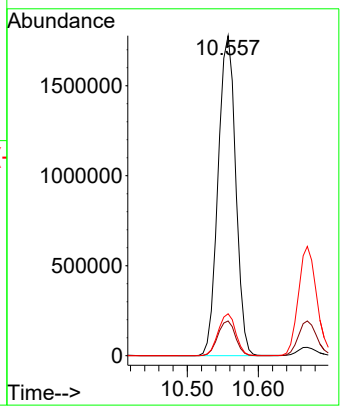


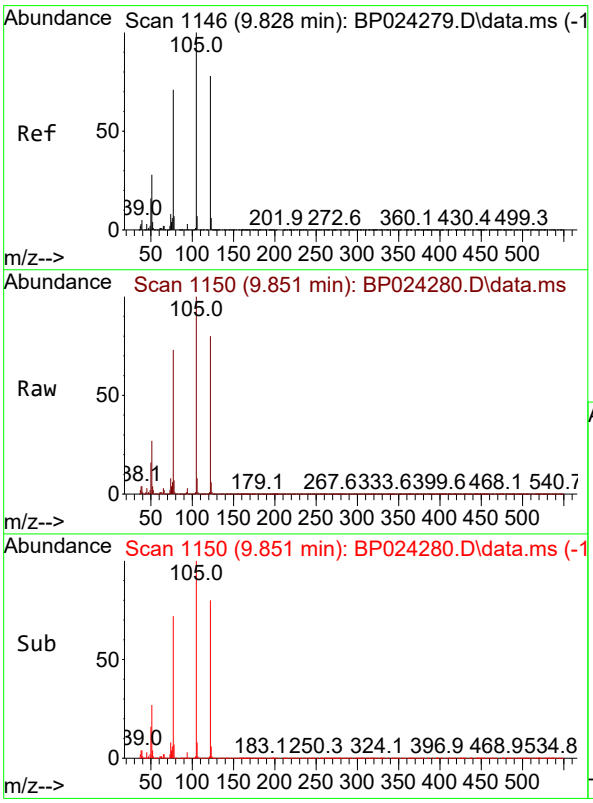
#31
Naphthalene
Concen: 48.957 ng
RT: 10.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 3049887

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	13.1	10.3	15.5

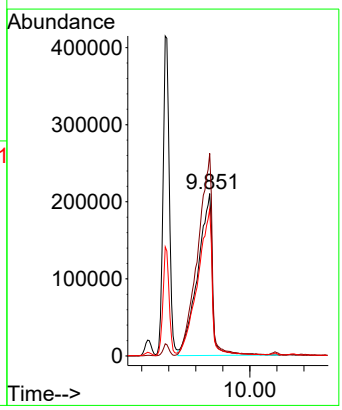


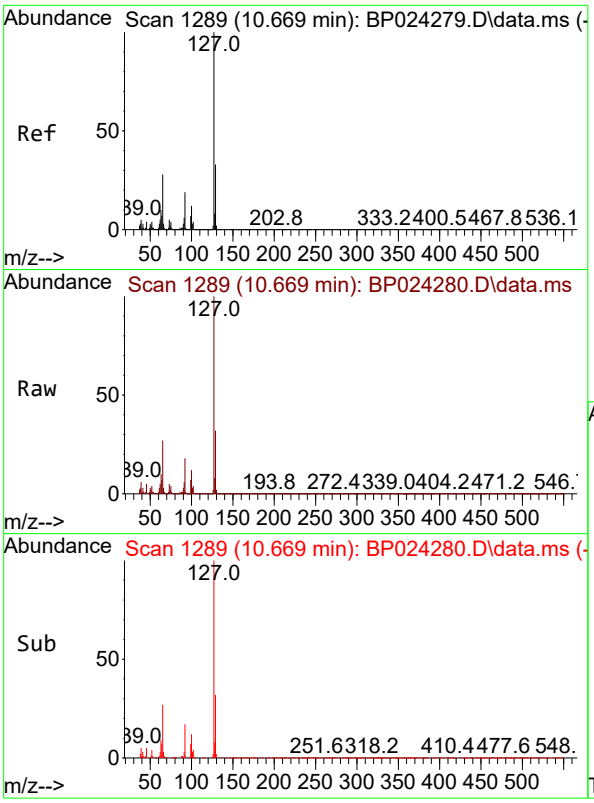


#32
Benzoic acid
Concen: 58.988 ng
RT: 9.851 min Scan# 1150
Delta R.T. 0.023 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:122 Resp: 794832

Ion	Ratio	Lower	Upper
122	100		
105	124.7	104.8	144.8
77	90.5	69.2	109.2



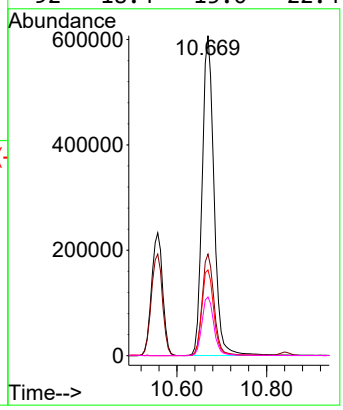


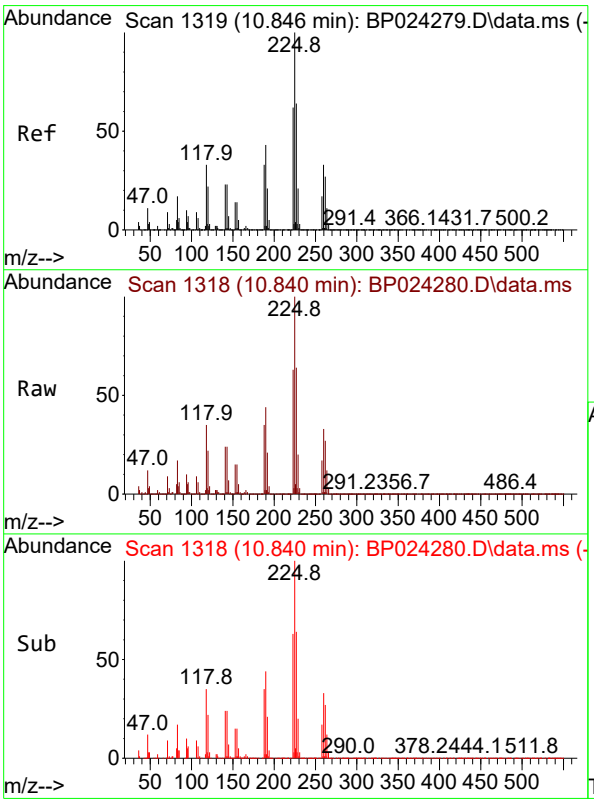
#33
4-Chloroaniline
Concen: 51.030 ng
RT: 10.669 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 1110772

Ion	Ratio	Lower	Upper
127	100		
129	31.7	26.1	39.1
65	26.8	22.1	33.1
92	18.4	15.0	22.4

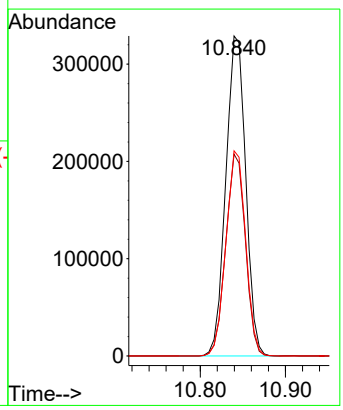


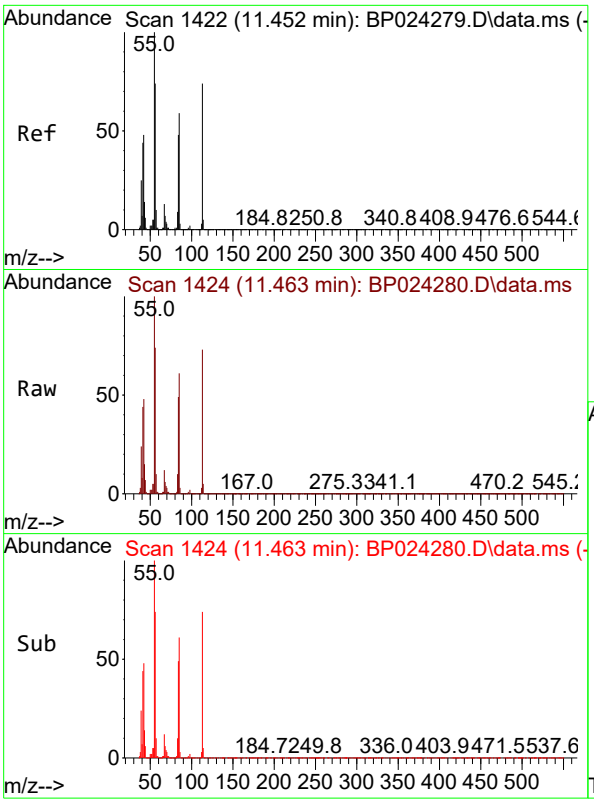


#34
Hexachlorobutadiene
Concen: 49.450 ng
RT: 10.840 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:225 Resp: 533336

Ion	Ratio	Lower	Upper
225	100		
223	63.1	49.5	74.3
227	64.1	50.9	76.3



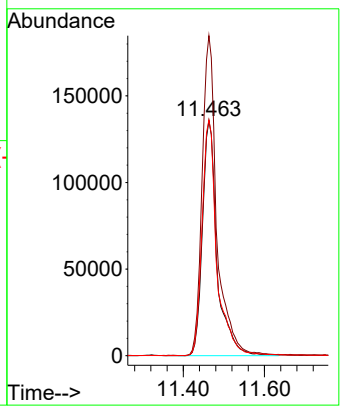


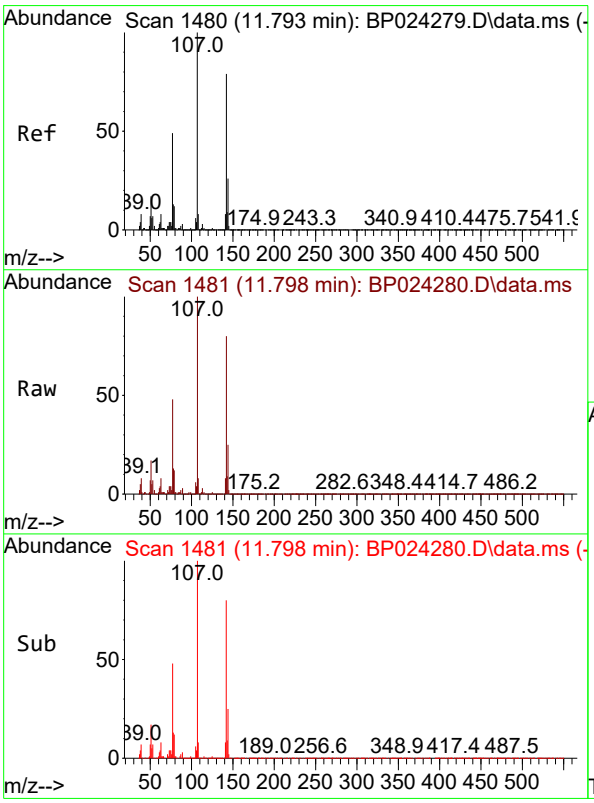
#35
Caprolactam
Concen: 54.466 ng
RT: 11.463 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 339834

Ion	Ratio	Lower	Upper
113	100		
55	136.1	115.9	155.9
56	100.2	81.1	121.1

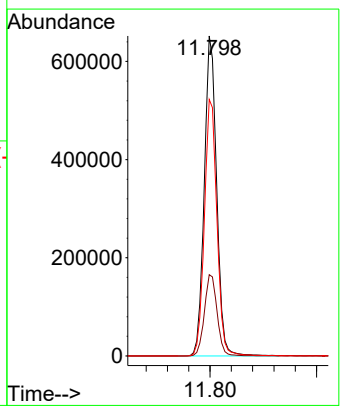


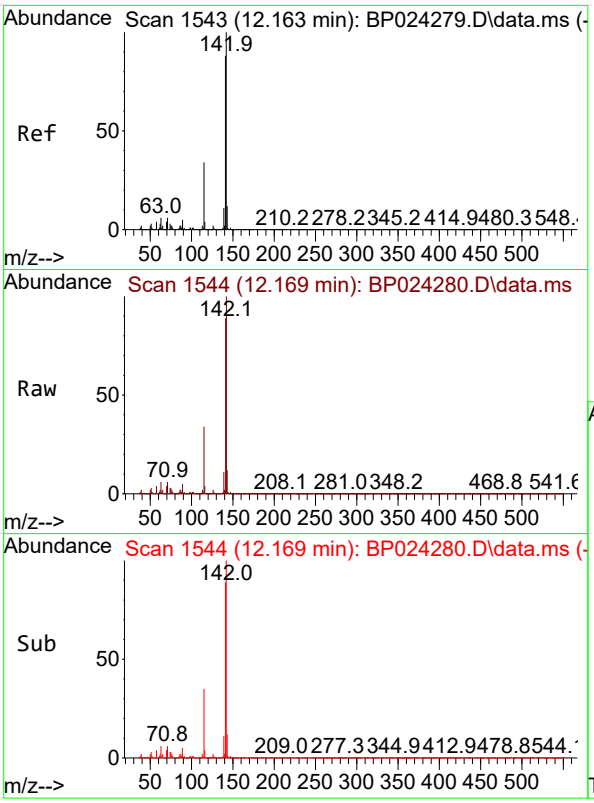


#36
4-Chloro-3-methylphenol
Concen: 52.860 ng
RT: 11.798 min Scan# 1481
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:107 Resp: 1046795

Ion	Ratio	Lower	Upper
107	100		
144	25.4	20.5	30.7
142	80.1	63.4	95.2



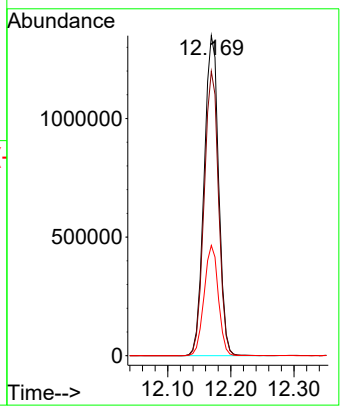


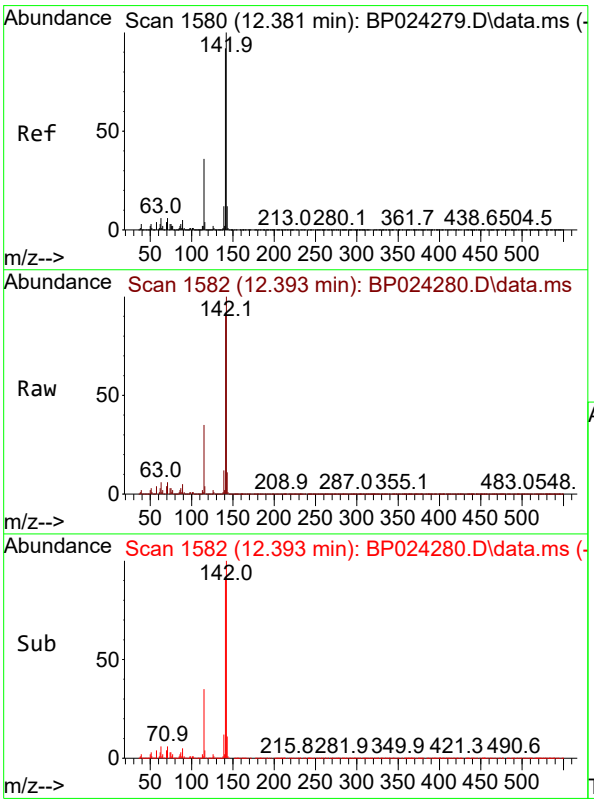
#37
2-Methylnaphthalene
Concen: 49.942 ng
RT: 12.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 2156247

Ion	Ratio	Lower	Upper
142	100		
141	88.8	70.3	105.5
115	34.5	26.9	40.3

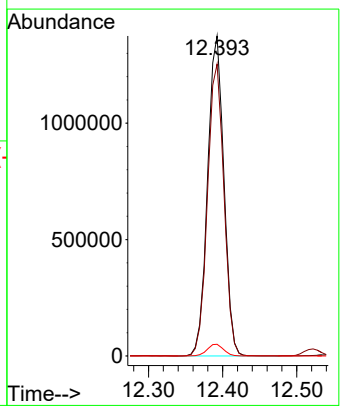


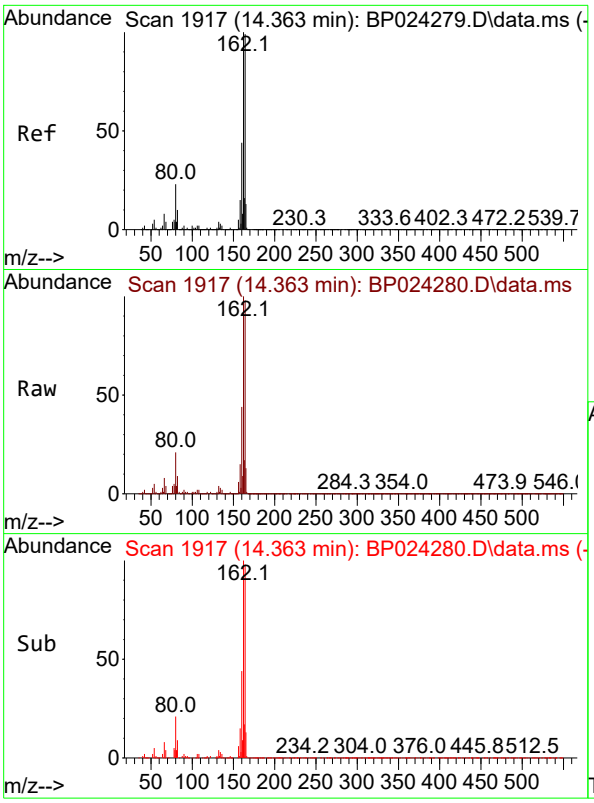


#38
1-Methylnaphthalene
Concen: 49.538 ng
RT: 12.393 min Scan# 1582
Delta R.T. 0.012 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:142 Resp: 2095184

Ion	Ratio	Lower	Upper
142	100		
141	91.2	73.6	110.4
116	3.7	3.0	4.6



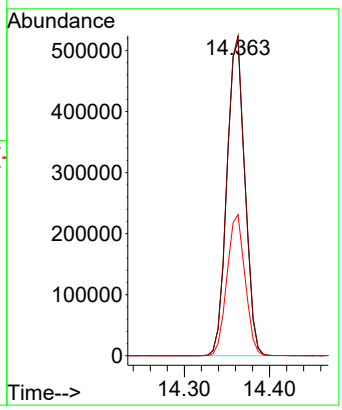


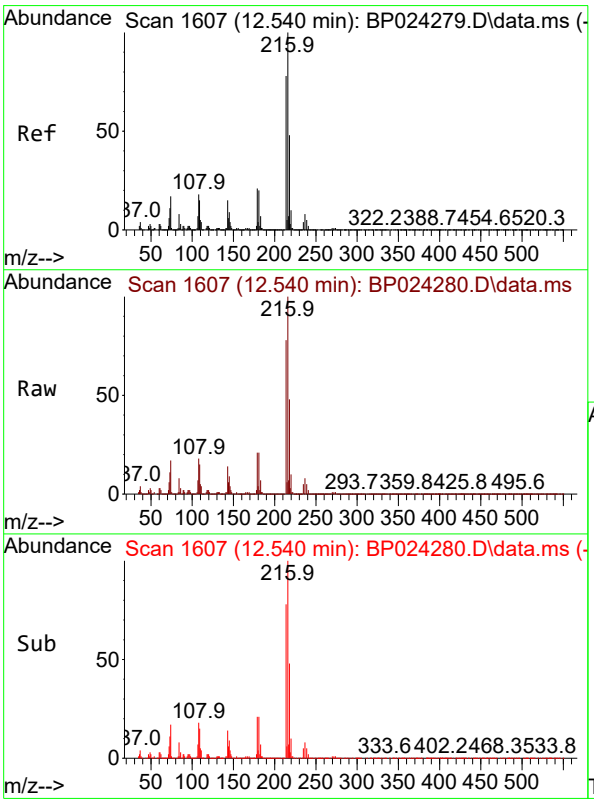
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.363 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 760235

Ion	Ratio	Lower	Upper
164	100		
162	101.6	80.6	120.8
160	44.8	35.3	52.9

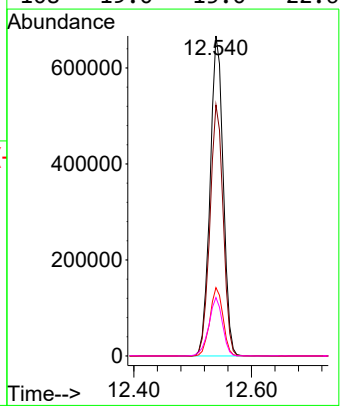


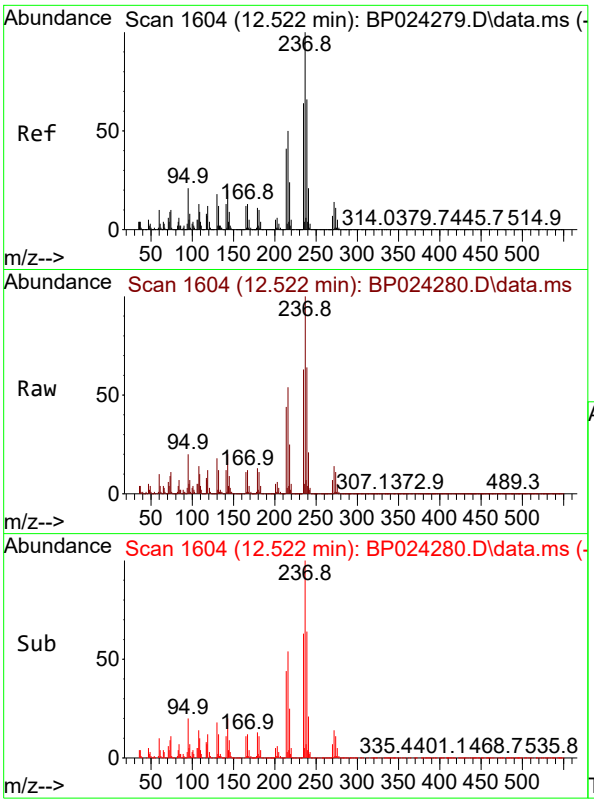


#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.522 ng
RT: 12.540 min Scan# 1607
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:216 Resp: 1034638

Ion	Ratio	Lower	Upper
216	100		
214	78.9	62.6	93.8
179	21.4	17.2	25.8
108	19.0	15.0	22.6



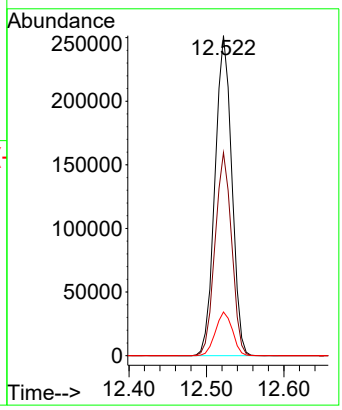


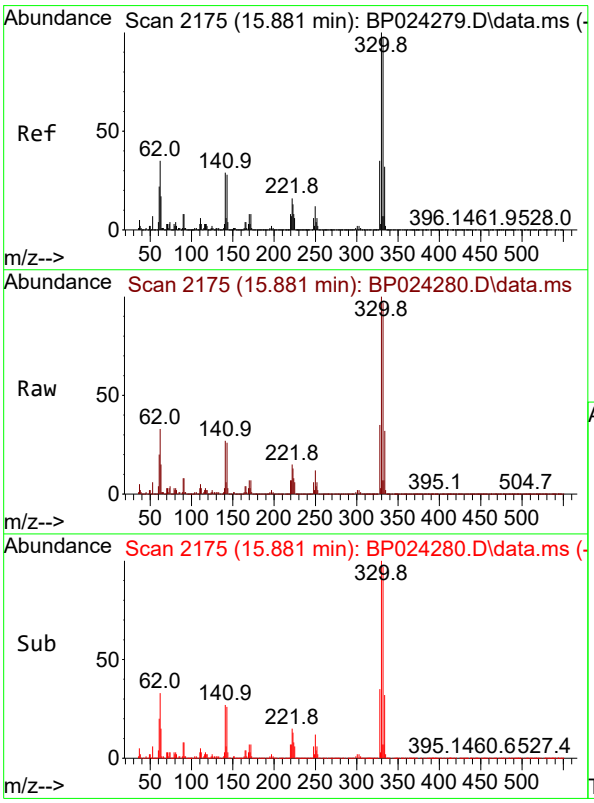
#41
Hexachlorocyclopentadiene
Concen: 51.614 ng
RT: 12.522 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 378578

Ion	Ratio	Lower	Upper
237	100		
235	63.4	43.9	83.9
272	13.7	0.0	33.6

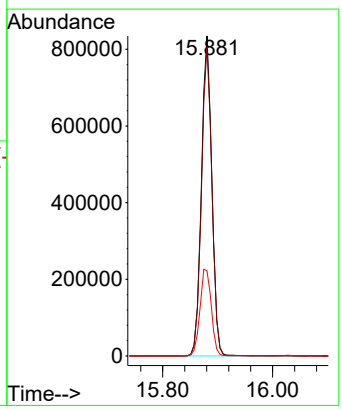


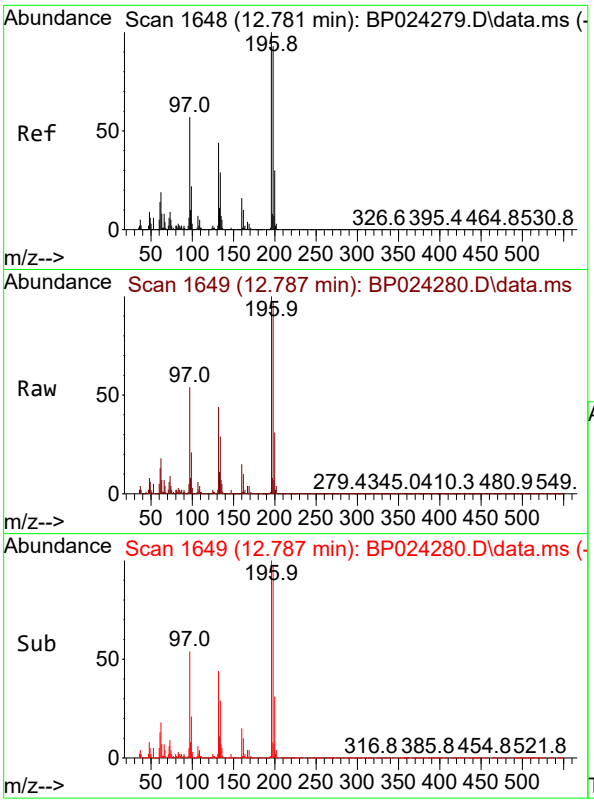


#42
2,4,6-Tribromophenol
Concen: 105.521 ng
RT: 15.881 min Scan# 2175
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:330 Resp: 1098486

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.1	115.7
141	29.5	24.7	37.1



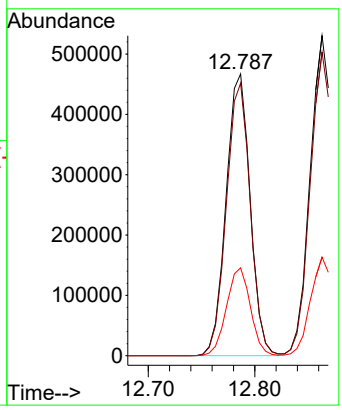


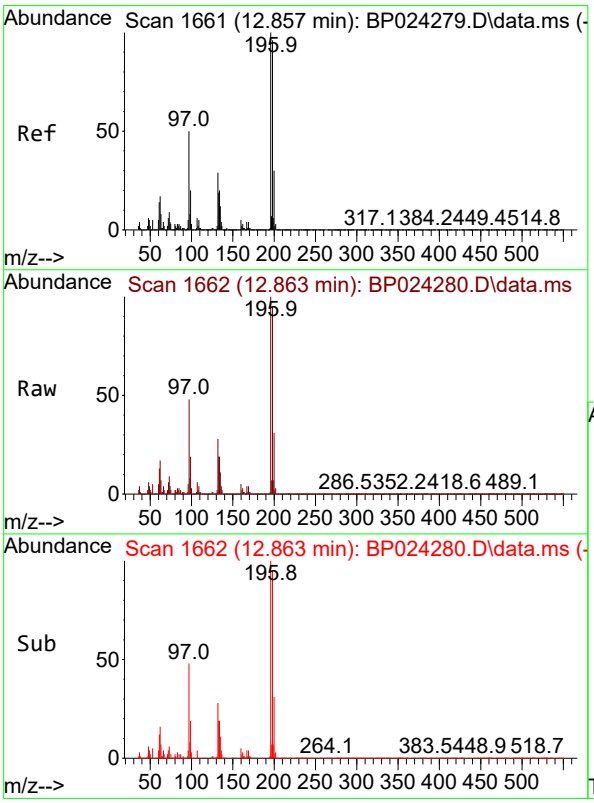
#43
2,4,6-Trichlorophenol
Concen: 53.315 ng
RT: 12.787 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 732902

Ion	Ratio	Lower	Upper
196	100		
198	96.7	74.3	111.5
200	31.2	24.0	36.0

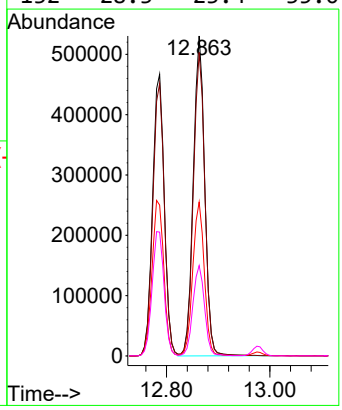


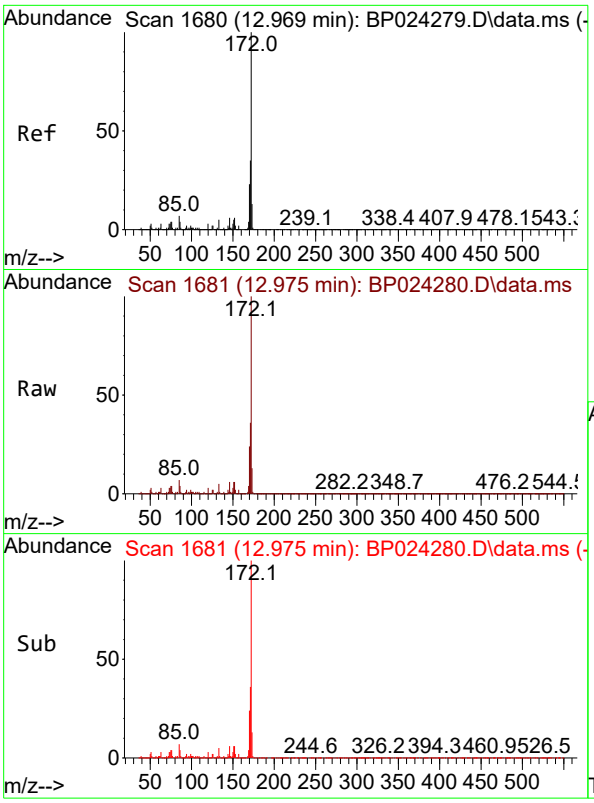


#44
2,4,5-Trichlorophenol
Concen: 53.491 ng
RT: 12.863 min Scan# 1662
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:196 Resp: 814885

Ion	Ratio	Lower	Upper
196	100		
198	94.8	77.3	115.9
97	48.1	40.4	60.6
132	28.3	23.4	35.0



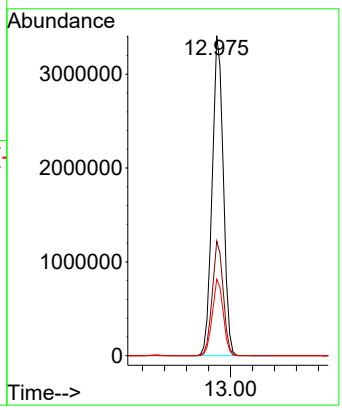


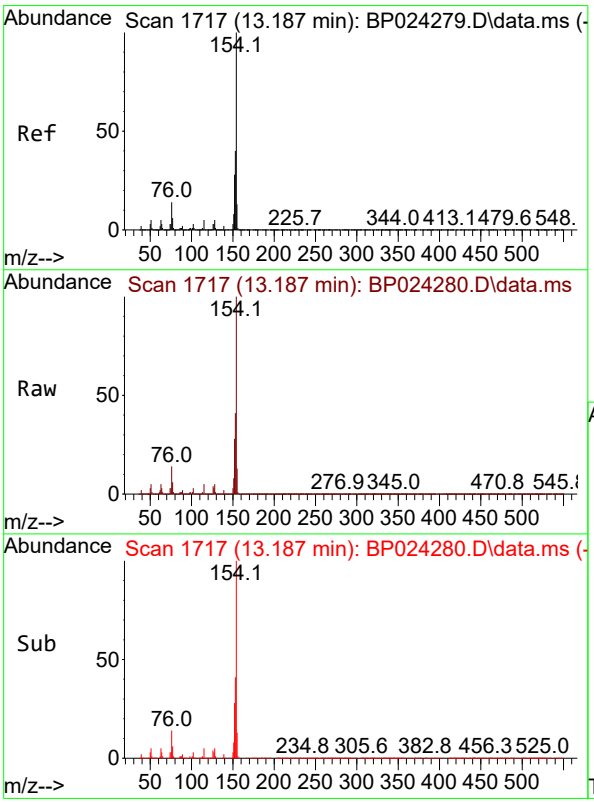
#45
2-Fluorobiphenyl
Concen: 95.877 ng
RT: 12.975 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 4800845

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.2	42.2
170	23.9	18.6	27.8

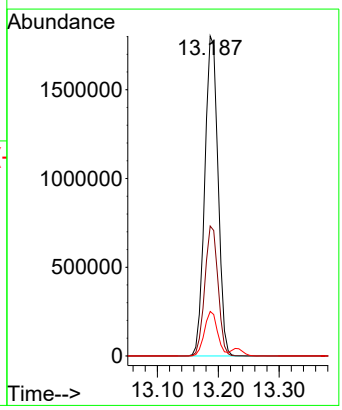


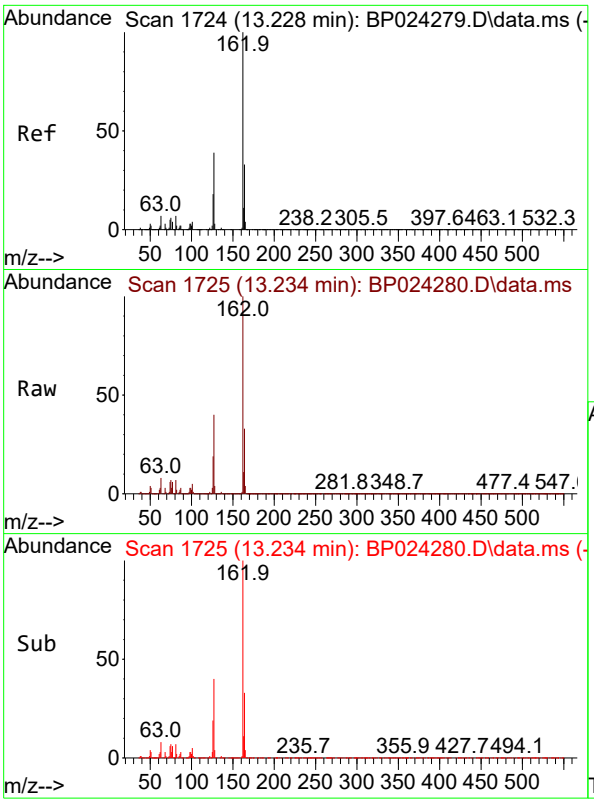


#46
1,1'-Biphenyl
Concen: 48.551 ng
RT: 13.187 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:154 Resp: 2725840

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.3	60.3
76	13.9	0.0	33.5



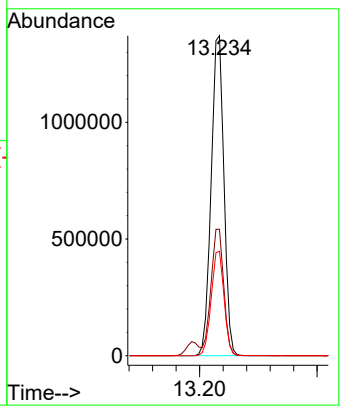


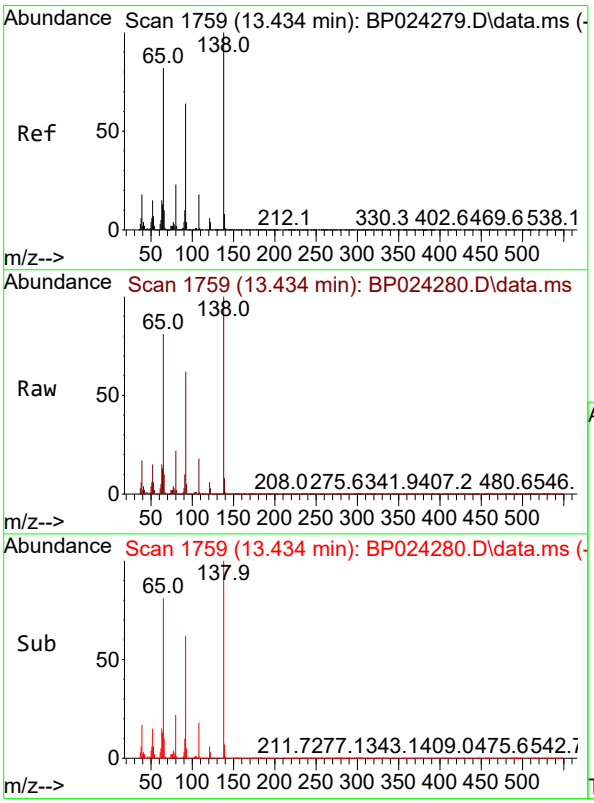
#47
2-Chloronaphthalene
Concen: 49.220 ng
RT: 13.234 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 2062098

Ion	Ratio	Lower	Upper
162	100		
127	39.5	31.9	47.9
164	32.7	26.2	39.4

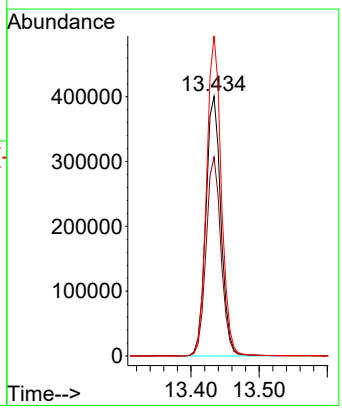


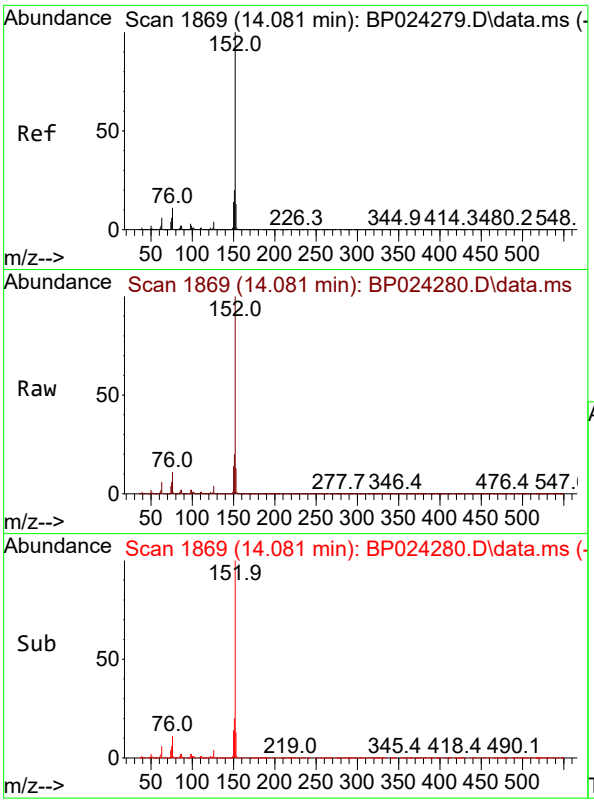


#48
2-Nitroaniline
Concen: 53.282 ng
RT: 13.434 min Scan# 1759
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion: 65 Resp: 616599

Ion	Ratio	Lower	Upper
65	100		
92	76.6	62.3	93.5
138	123.3	97.2	145.8



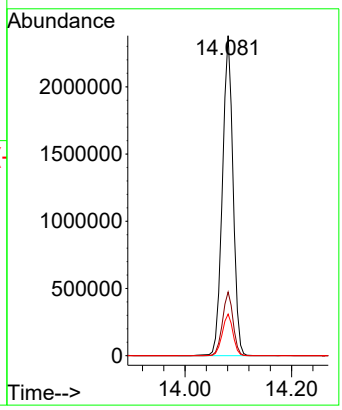


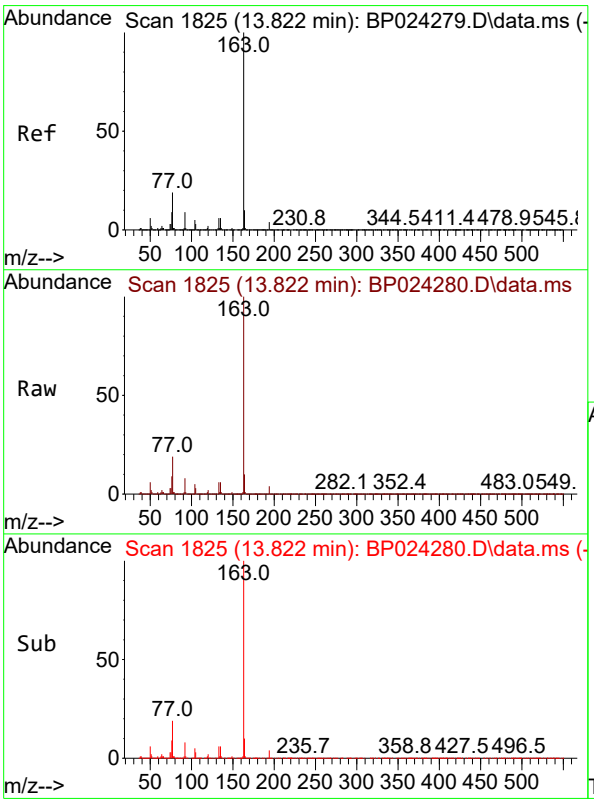
#49
Acenaphthylene
Concen: 49.877 ng
RT: 14.081 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 3279666

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.0	10.6	15.8

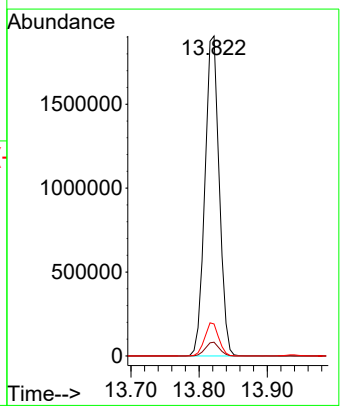


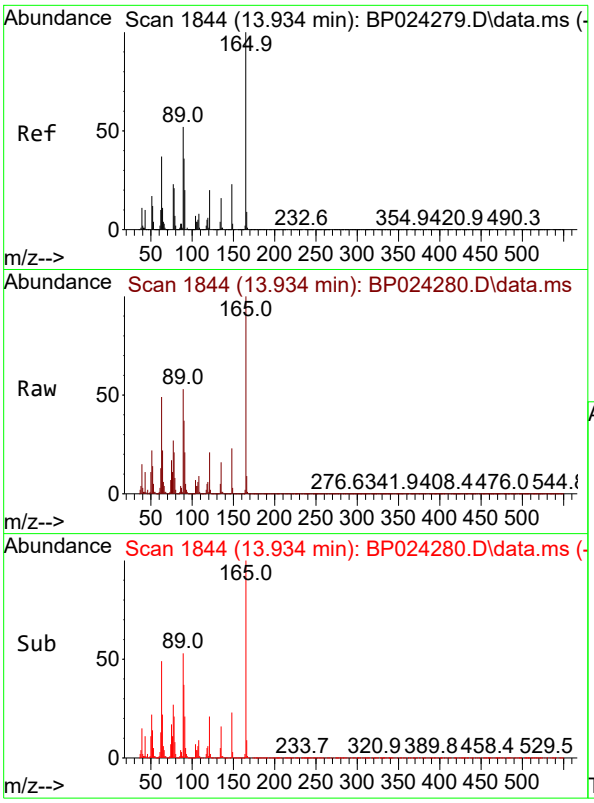


#50
Dimethylphthalate
Concen: 50.046 ng
RT: 13.822 min Scan# 1825
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:163 Resp: 2775759

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.0	8.0	12.0



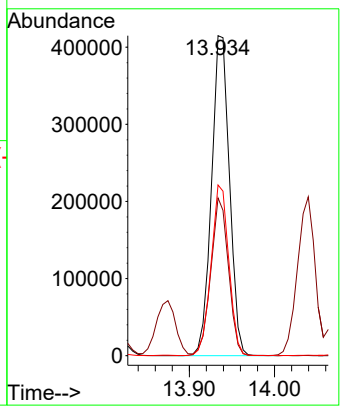


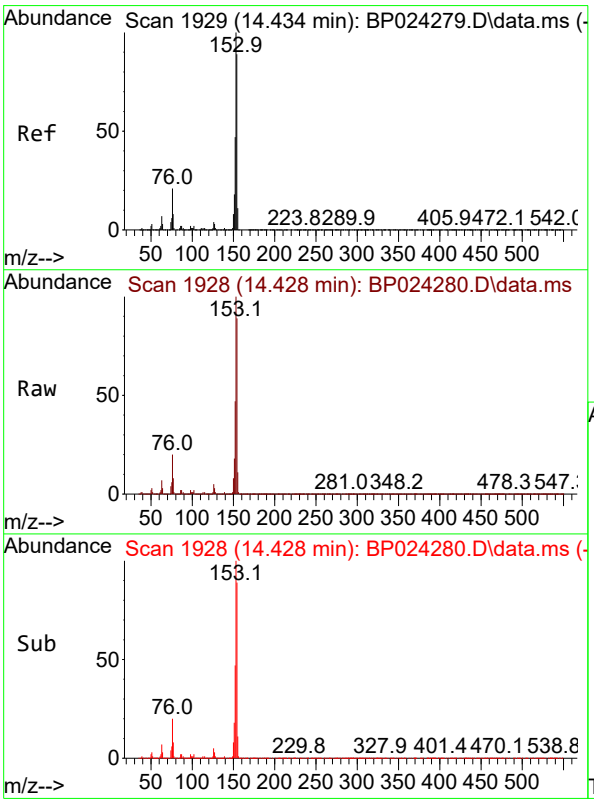
#51
2,6-Dinitrotoluene
Concen: 51.903 ng
RT: 13.934 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 606525

Ion	Ratio	Lower	Upper
165	100		
63	49.3	38.0	57.0
89	53.4	41.7	62.5

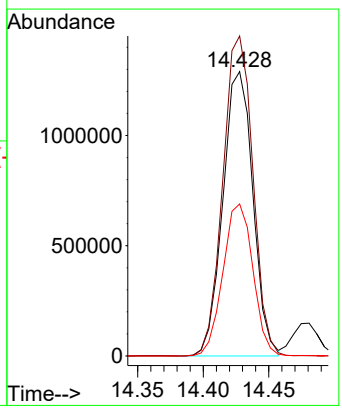


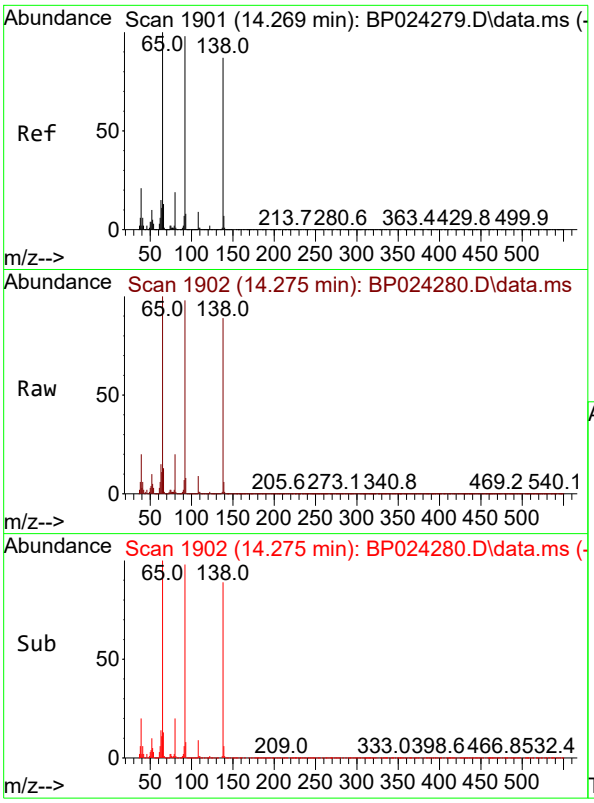


#52
Acenaphthene
Concen: 49.128 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:154 Resp: 2054333

Ion	Ratio	Lower	Upper
154	100		
153	112.5	89.8	134.6
152	53.4	42.6	63.8



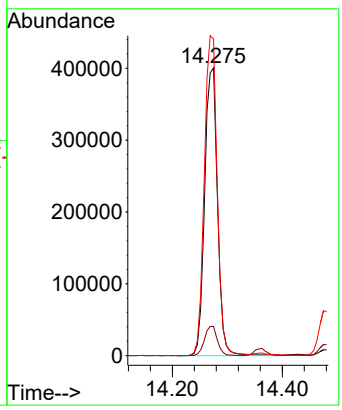


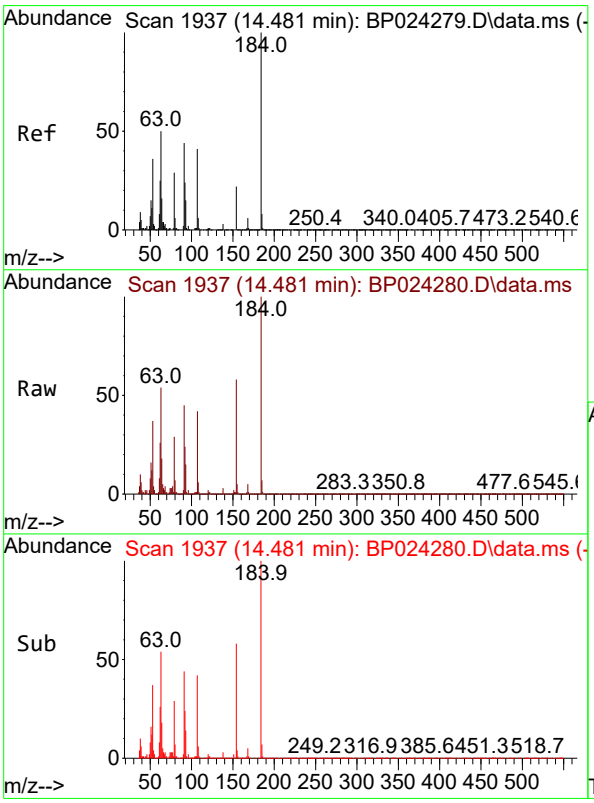
#53
3-Nitroaniline
Concen: 53.536 ng
RT: 14.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 649071

Ion	Ratio	Lower	Upper
138	100		
108	10.2	8.3	12.5
92	110.0	89.8	134.8

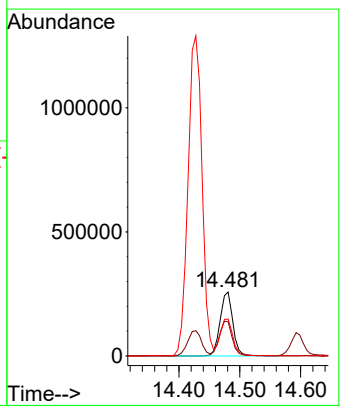


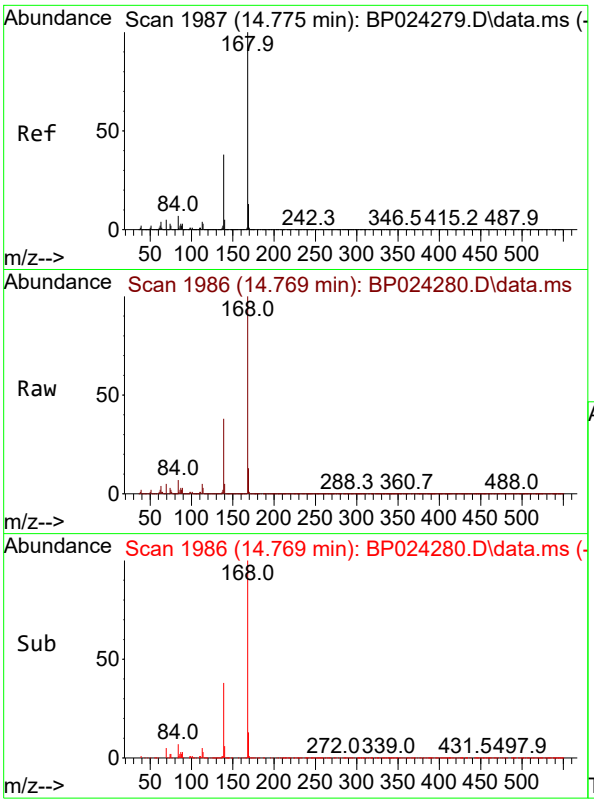


#54
2,4-Dinitrophenol
Concen: 59.640 ng
RT: 14.481 min Scan# 1937
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:184 Resp: 373165

Ion	Ratio	Lower	Upper
184	100		
63	53.7	42.6	64.0
154	57.8	47.2	70.8



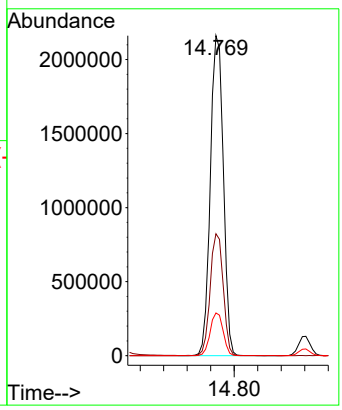


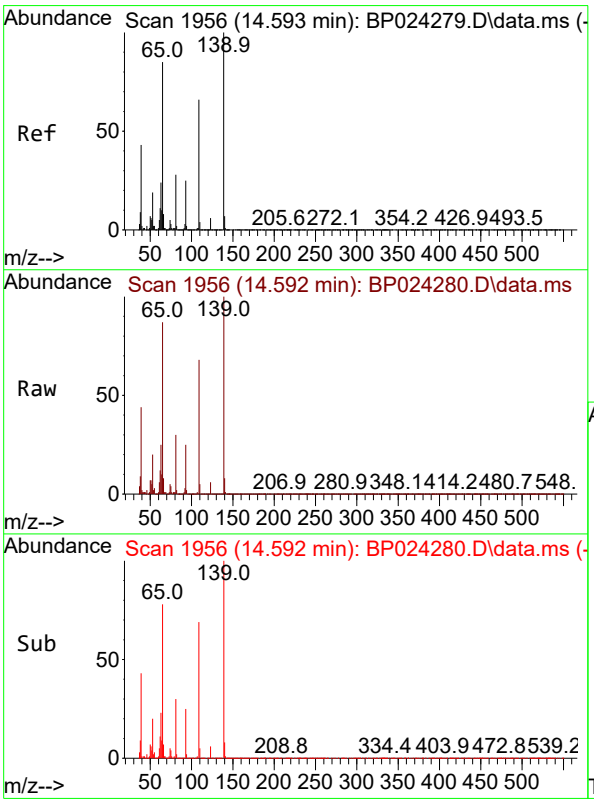
#55
Dibenzofuran
Concen: 48.392 ng
RT: 14.769 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 3318798

Ion	Ratio	Lower	Upper
168	100		
139	38.1	30.3	45.5
169	13.4	10.6	16.0

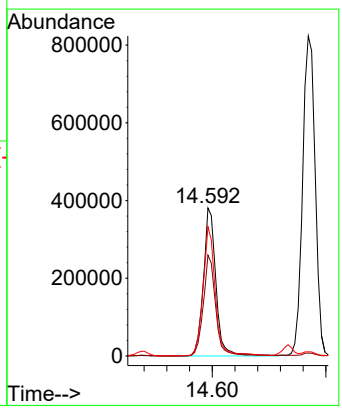


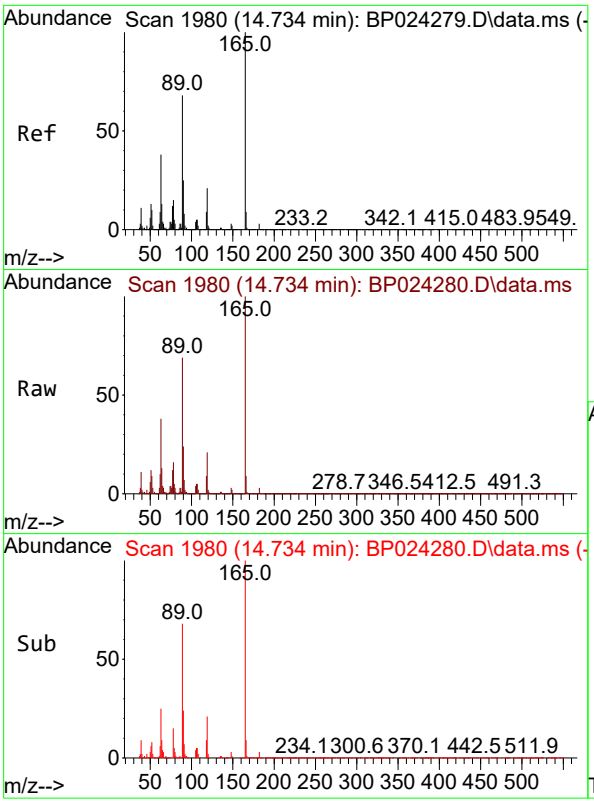


#56
4-Nitrophenol
Concen: 55.750 ng
RT: 14.592 min Scan# 1956
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:139 Resp: 581023

Ion	Ratio	Lower	Upper
139	100		
109	68.1	46.1	86.1
65	87.3	65.0	105.0



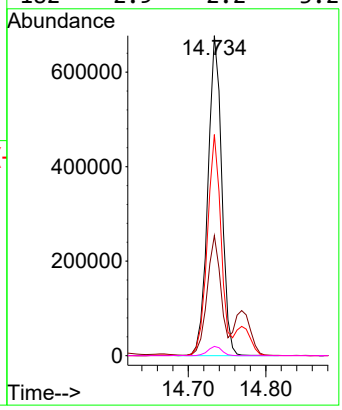


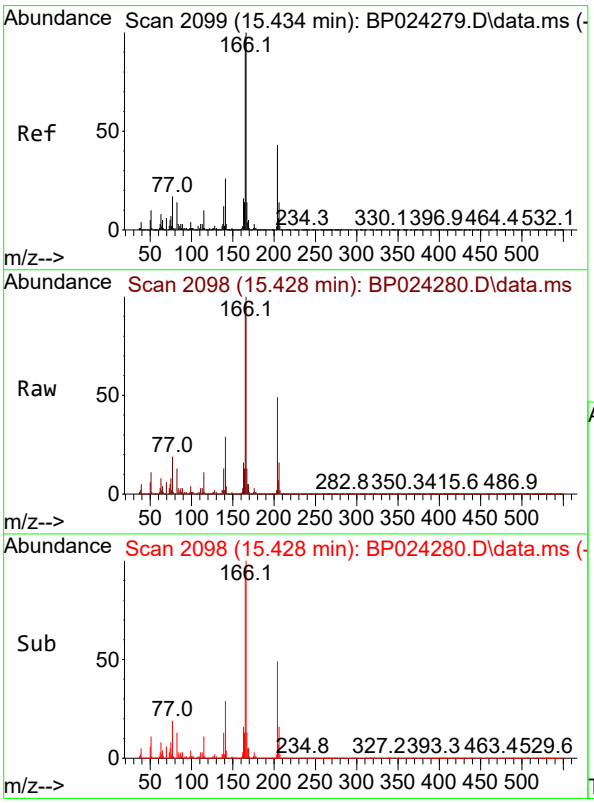
#57
2,4-Dinitrotoluene
Concen: 53.160 ng
RT: 14.734 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 839701

Ion	Ratio	Lower	Upper
165	100		
63	37.5	30.4	45.6
89	69.1	54.6	82.0
182	2.9	2.2	3.2

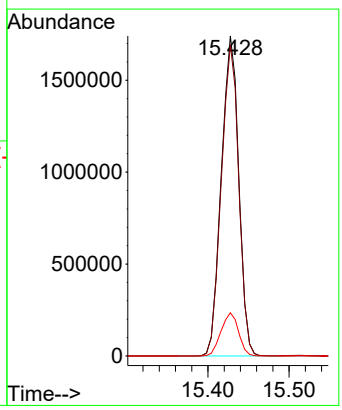


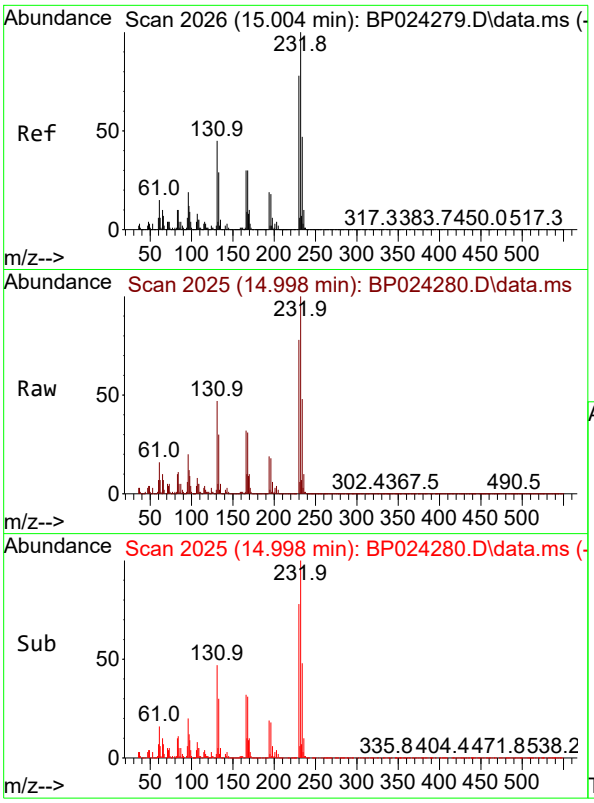


#58
Fluorene
Concen: 49.085 ng
RT: 15.428 min Scan# 2098
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:166 Resp: 2599105

Ion	Ratio	Lower	Upper
166	100		
165	97.2	78.1	117.1
167	13.5	10.9	16.3



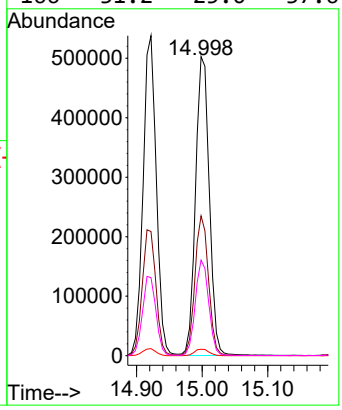


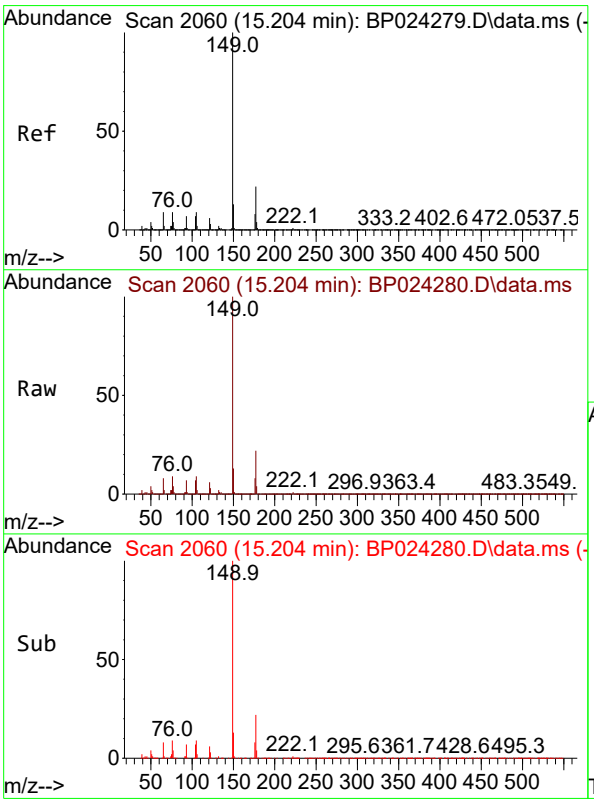
#59
2,3,4,6-Tetrachlorophenol
Concen: 52.128 ng
RT: 14.998 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 734741

Ion	Ratio	Lower	Upper
232	100		
131	46.0	36.8	55.2
130	2.3	1.9	2.9
166	31.2	25.0	37.6

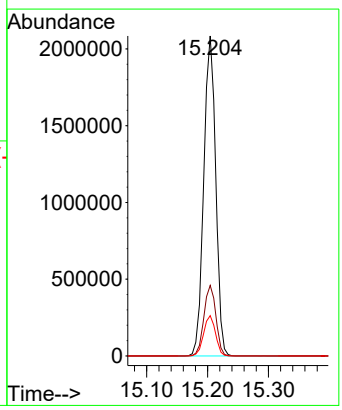


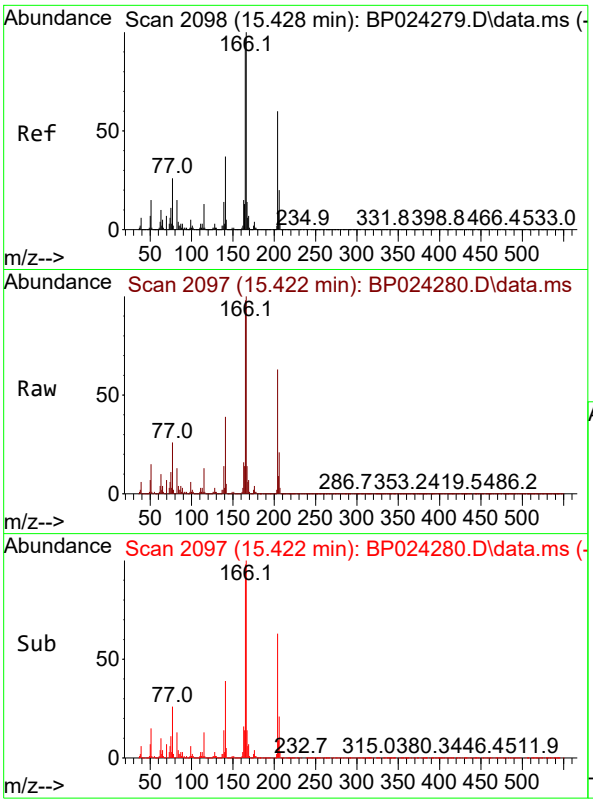


#60
Diethylphthalate
Concen: 49.914 ng
RT: 15.204 min Scan# 2060
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:149 Resp: 2849294

Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.4	26.2
150	12.6	10.1	15.1



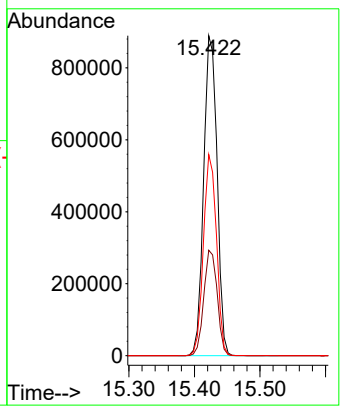


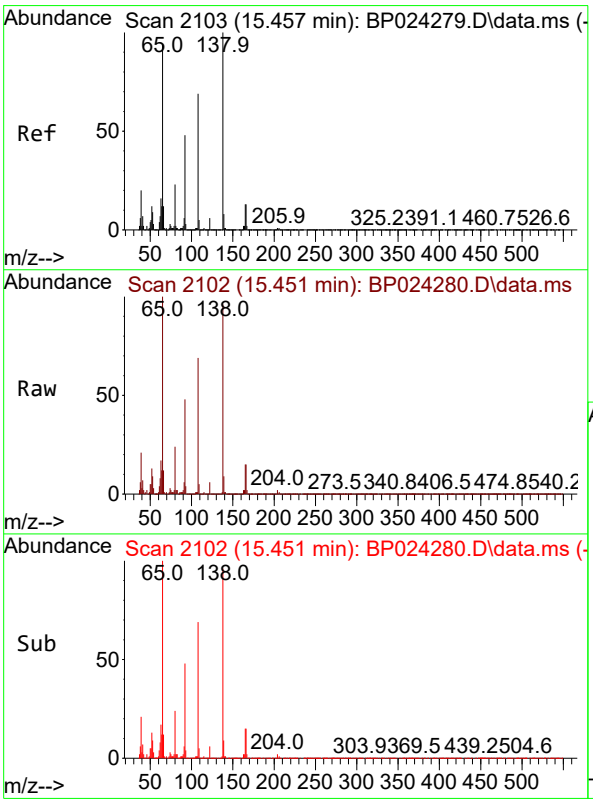
#61
4-Chlorophenyl-phenylether
Concen: 49.287 ng
RT: 15.422 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 1267291

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.5	39.7
141	62.8	49.4	74.0

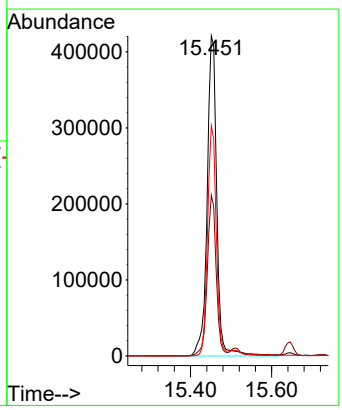


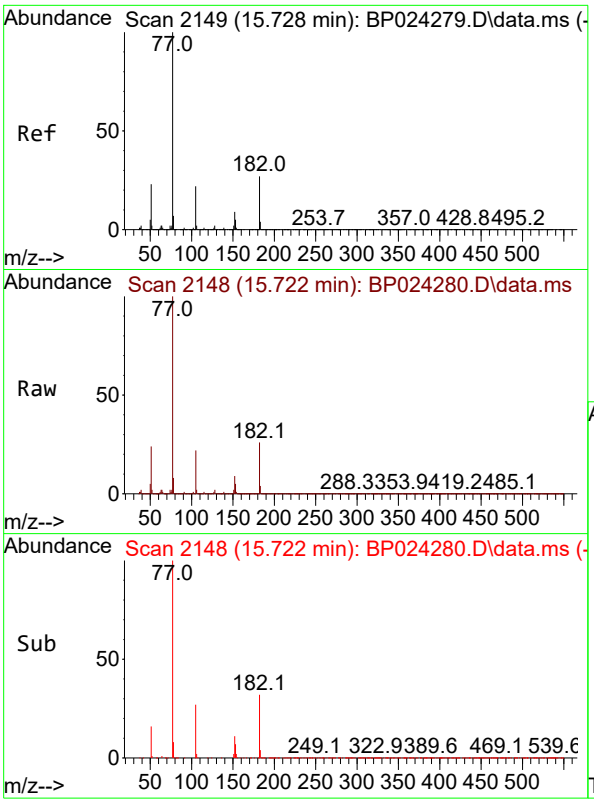


#62
4-Nitroaniline
Concen: 53.764 ng
RT: 15.451 min Scan# 2102
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:138 Resp: 691081

Ion	Ratio	Lower	Upper
138	100		
92	50.2	27.8	67.8
108	72.0	48.9	88.9



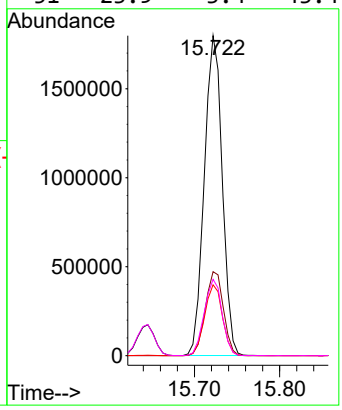


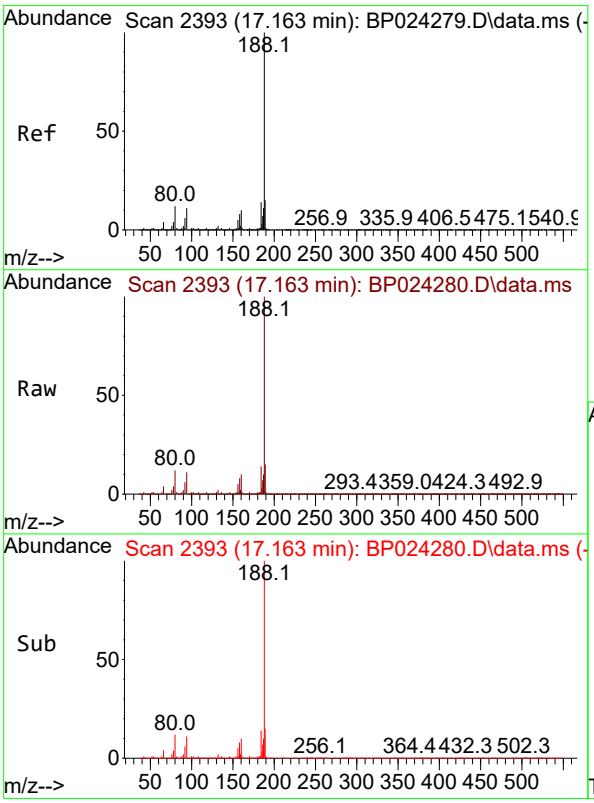
#63
Azobenzene
Concen: 50.076 ng
RT: 15.722 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 2632843

Ion	Ratio	Lower	Upper
77	100		
182	26.3	7.3	47.3
105	22.1	2.3	42.3
51	23.9	3.4	43.4

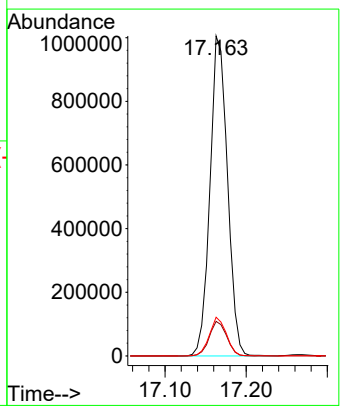


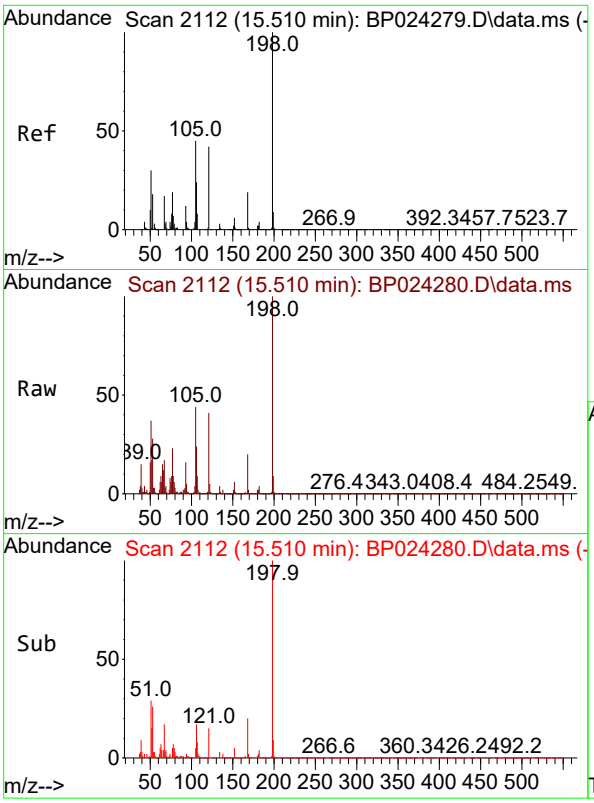


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2393
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:188 Resp: 1505097

Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.6	13.0
80	12.1	9.8	14.6



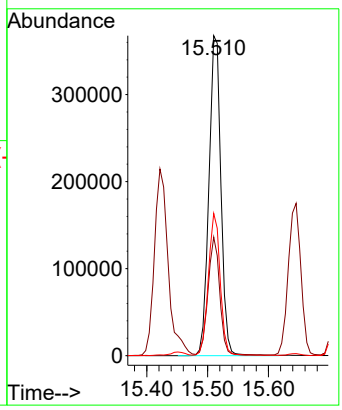


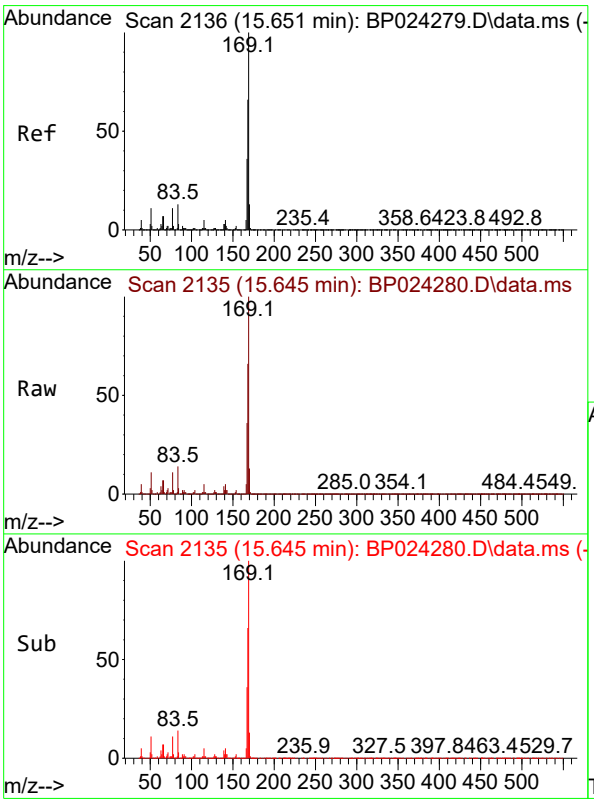
#65
4,6-Dinitro-2-methylphenol
Concen: 57.285 ng
RT: 15.510 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 503765

Ion	Ratio	Lower	Upper
198	100		
51	37.1	18.4	58.4
105	44.5	26.5	66.5

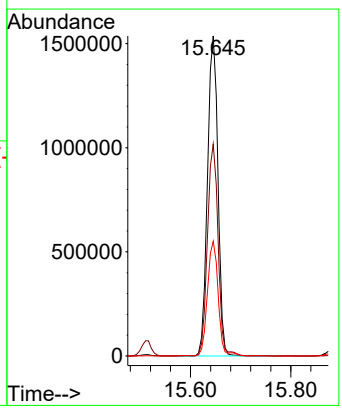


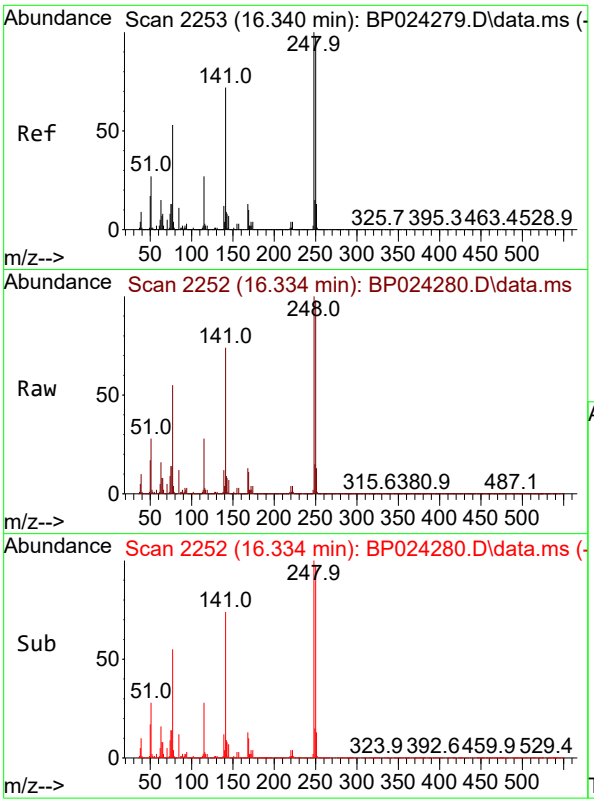


#66
n-Nitrosodiphenylamine
Concen: 49.312 ng
RT: 15.645 min Scan# 2135
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:169 Resp: 2225475

Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.0	79.4
167	35.9	28.9	43.3



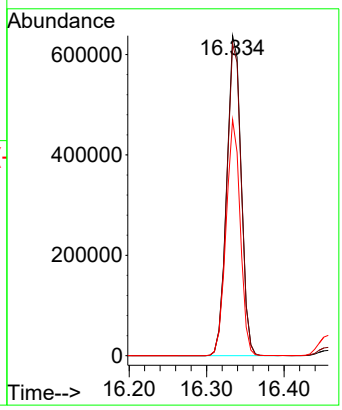


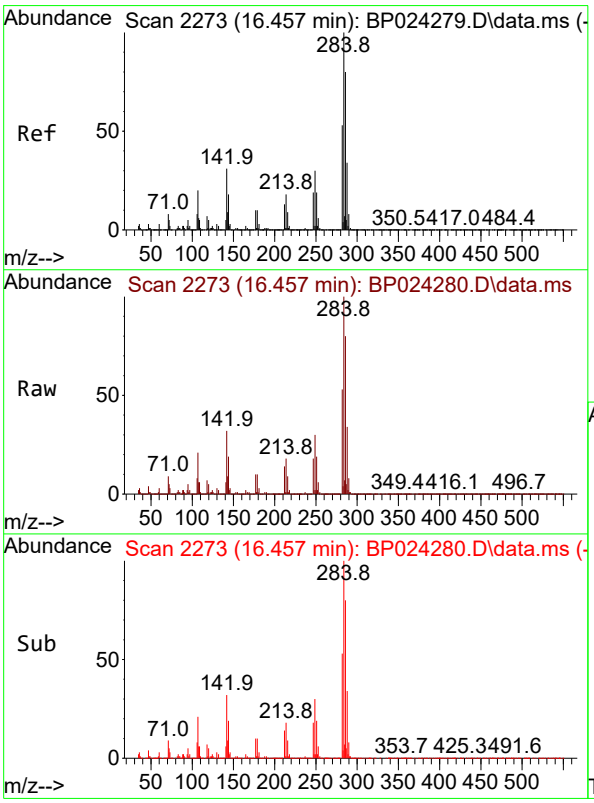
#67
4-Bromophenyl-phenylether
Concen: 50.389 ng
RT: 16.334 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 827245

Ion	Ratio	Lower	Upper
248	100		
250	97.5	78.2	117.4
141	73.8	57.7	86.5

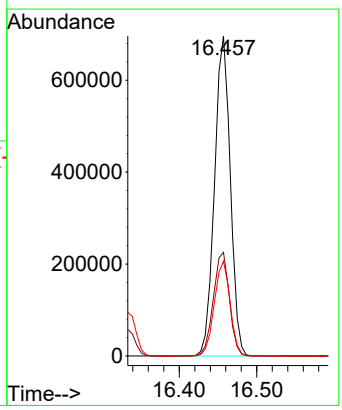


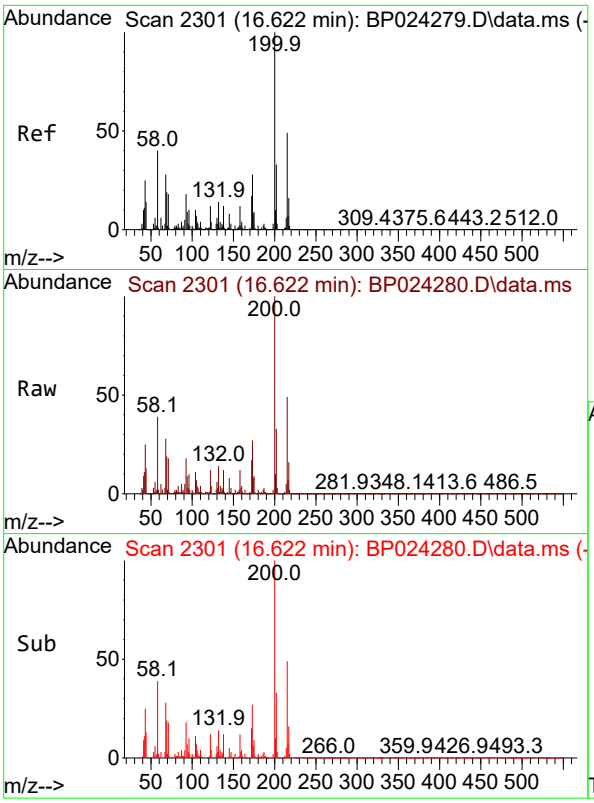


#68
Hexachlorobenzene
Concen: 50.405 ng
RT: 16.457 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:284 Resp: 983768

Ion	Ratio	Lower	Upper
284	100		
142	32.4	24.6	37.0
249	29.7	23.8	35.6



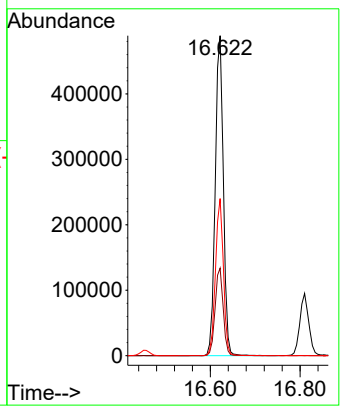


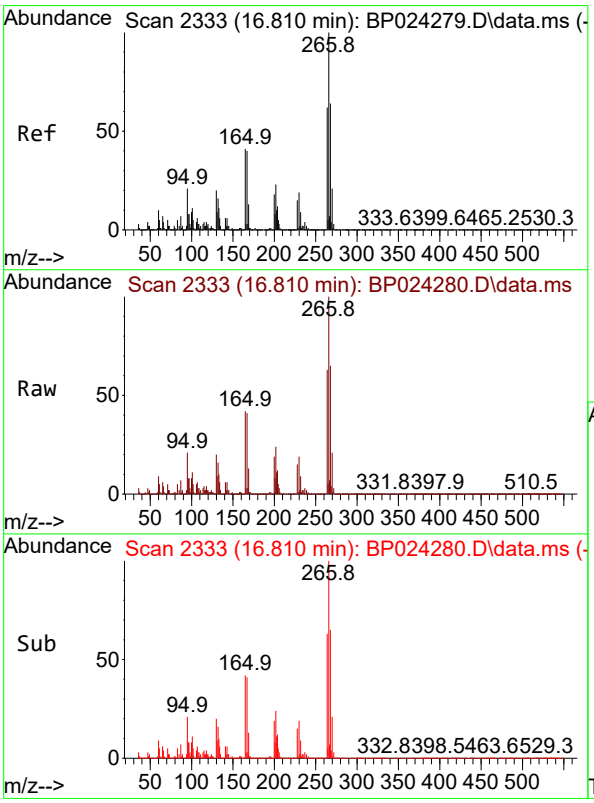
#69
Atrazine
Concen: 53.356 ng
RT: 16.622 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 610479

Ion	Ratio	Lower	Upper
200	100		
173	27.4	7.5	47.5
215	49.1	28.8	68.8

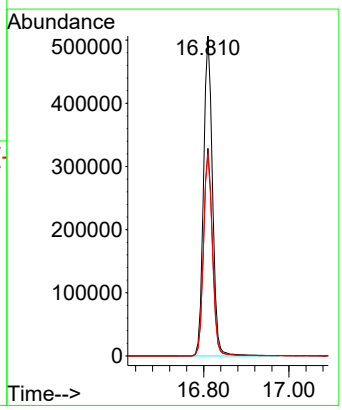


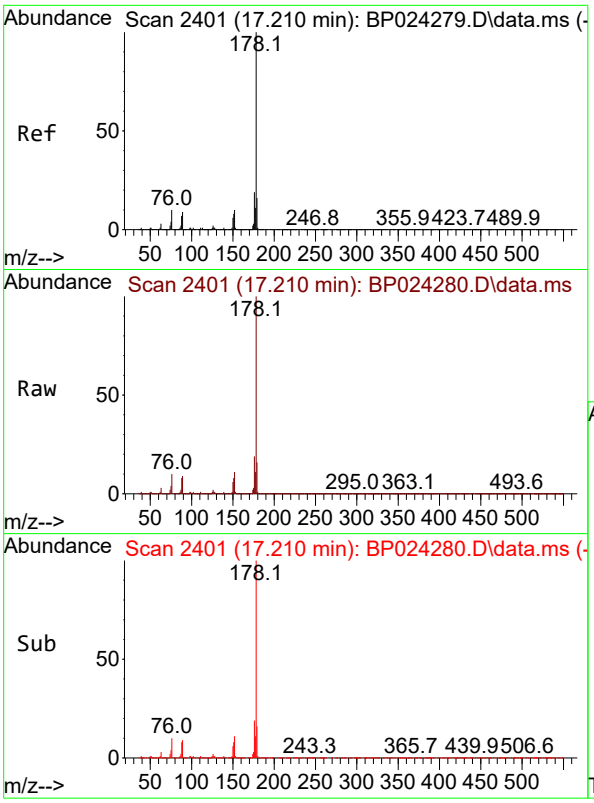


#70
Pentachlorophenol
Concen: 55.203 ng
RT: 16.810 min Scan# 2333
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:266 Resp: 739779

Ion	Ratio	Lower	Upper
266	100		
268	64.9	51.0	76.6
264	62.9	49.8	74.6



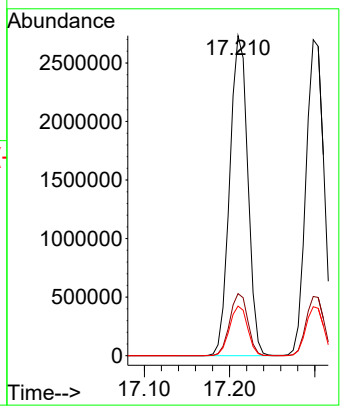


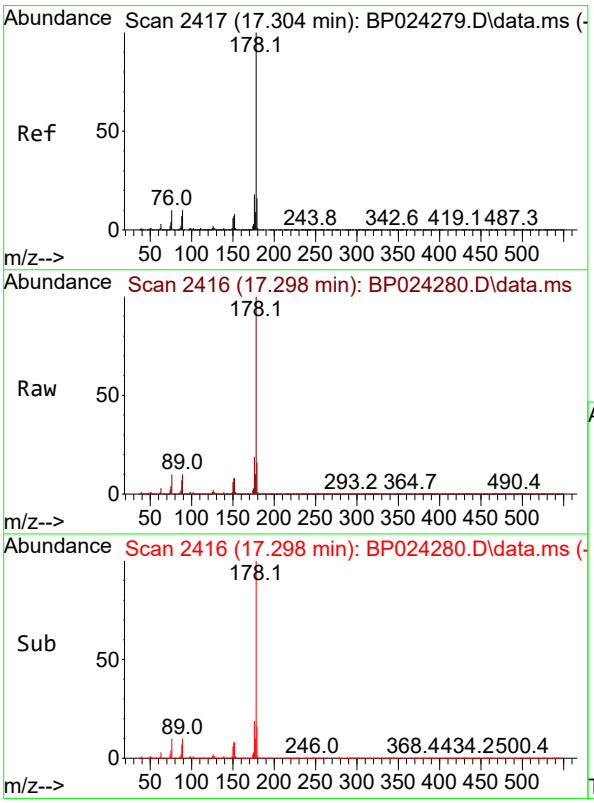
#71
Phenanthrene
Concen: 48.768 ng
RT: 17.210 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 4024282

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.5	12.5	18.7

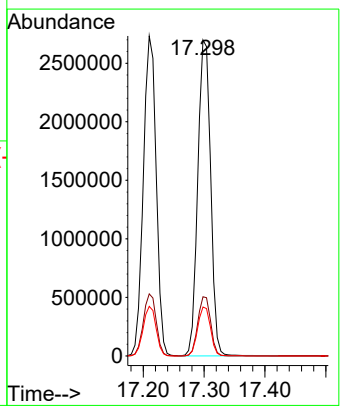


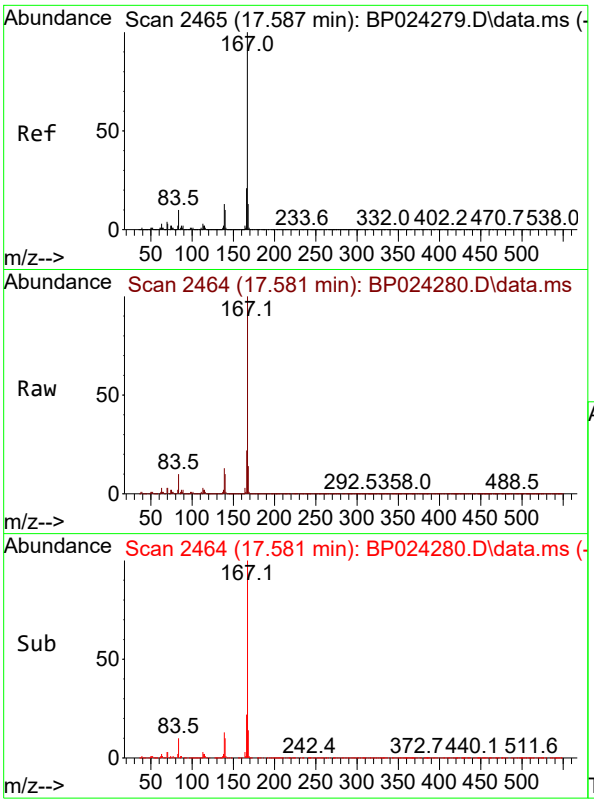


#72
Anthracene
Concen: 49.883 ng
RT: 17.298 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:178 Resp: 3960913

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.7	22.1
179	15.5	12.4	18.6



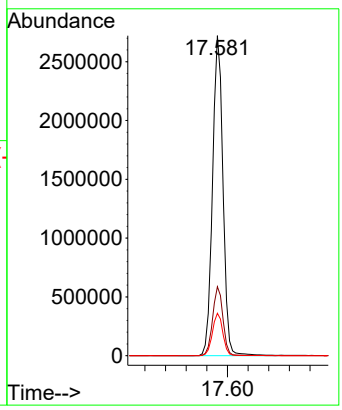


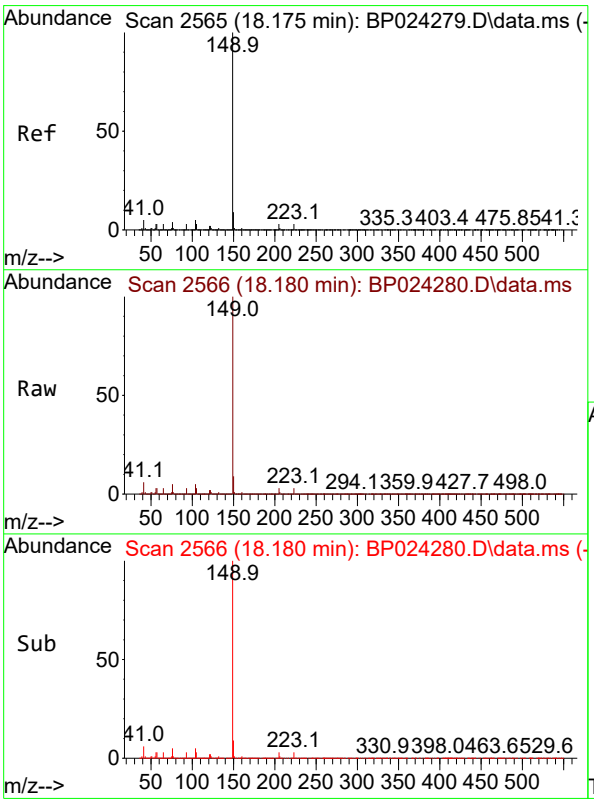
#73
Carbazole
Concen: 49.364 ng
RT: 17.581 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 3814743

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.1	25.7
139	13.3	10.6	16.0

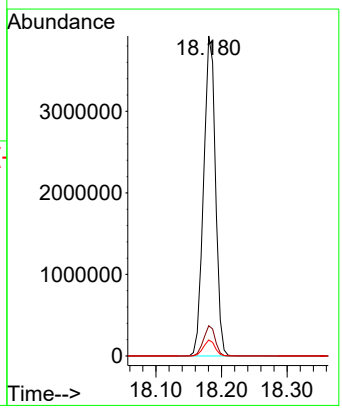


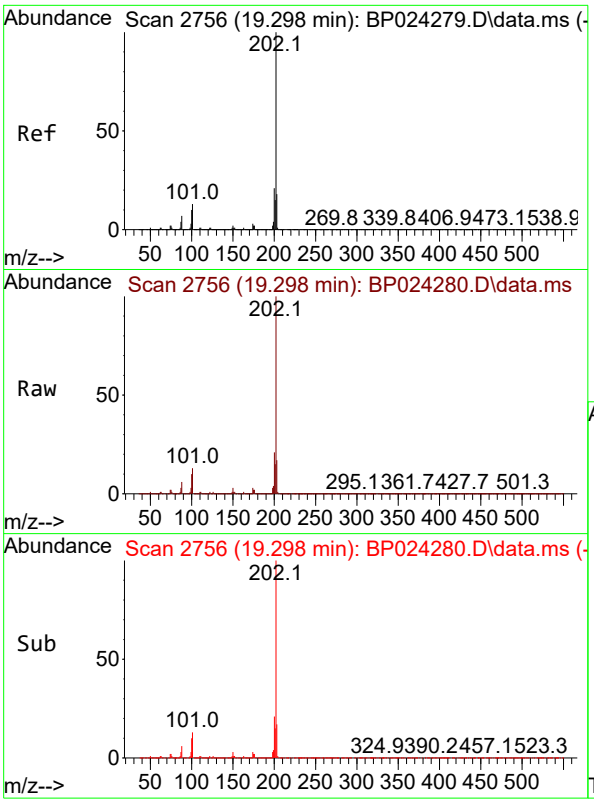


#74
Di-n-butylphthalate
Concen: 51.208 ng
RT: 18.180 min Scan# 2566
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:149 Resp: 4930617

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	5.0	3.9	5.9



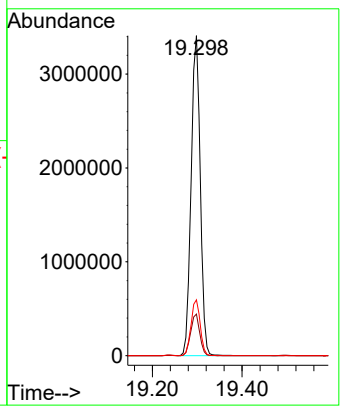


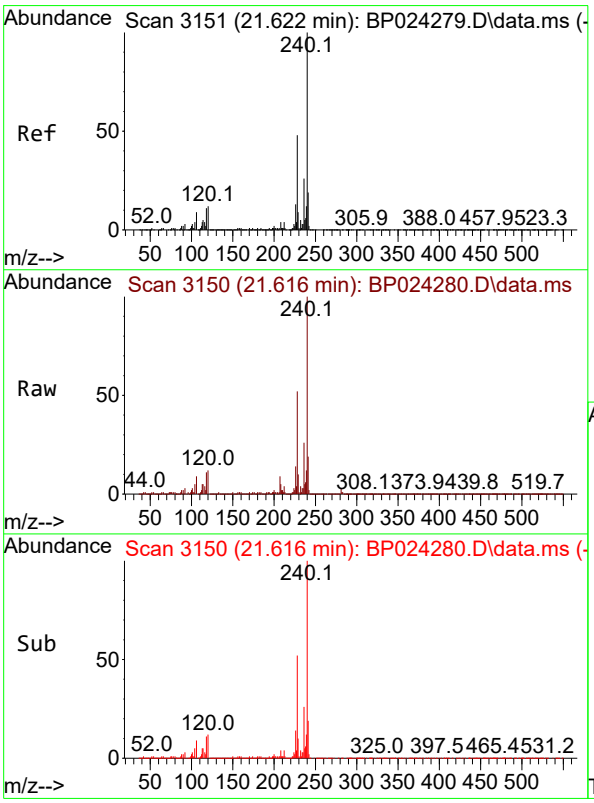
#75
Fluoranthene
Concen: 49.160 ng
RT: 19.298 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 4815021

Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	33.2
203	17.4	0.0	37.7

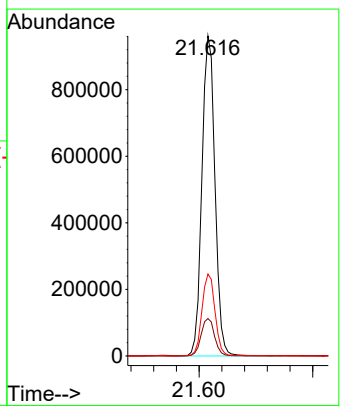


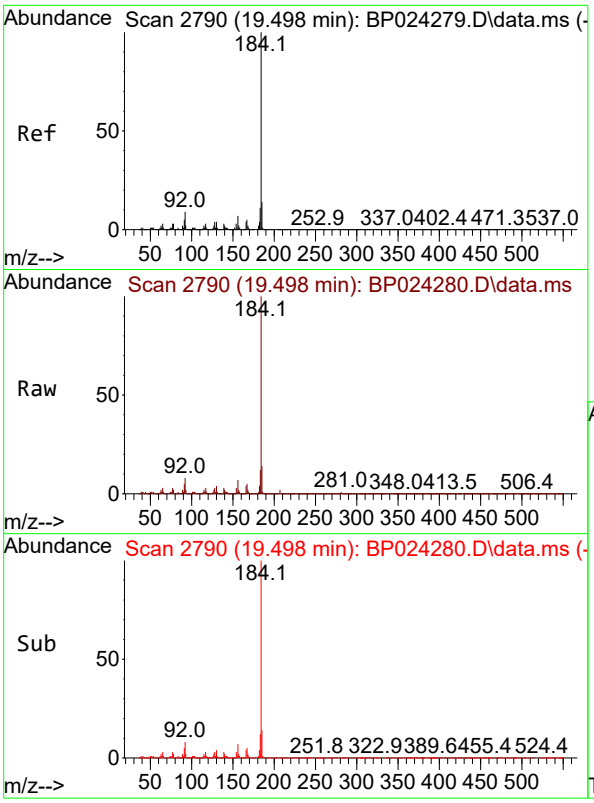


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.616 min Scan# 3150
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:240 Resp: 1527193

Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.8	14.8
236	25.6	20.9	31.3



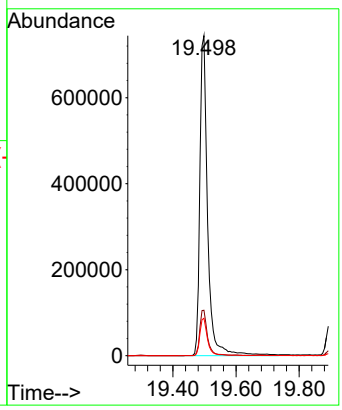


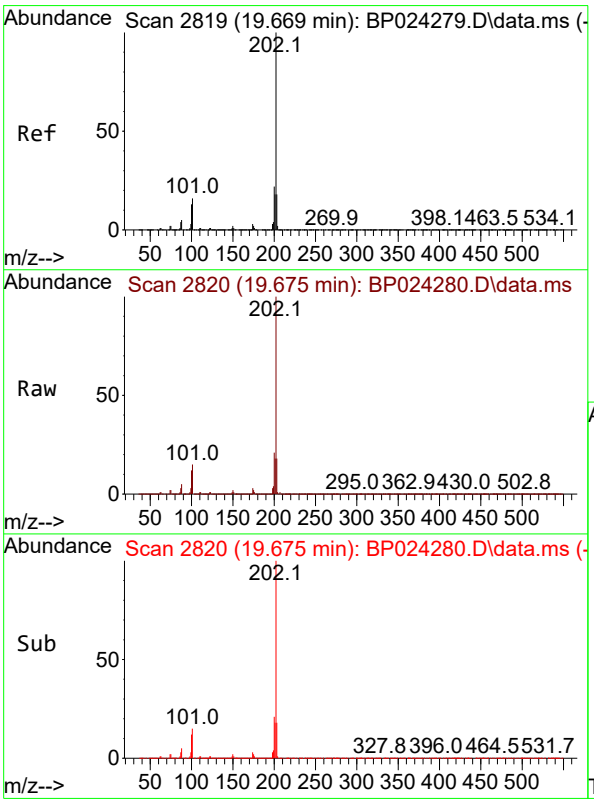
#77
Benzidine
Concen: 67.525 ng
RT: 19.498 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 1272924

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.6	17.4
183	11.7	9.2	13.8

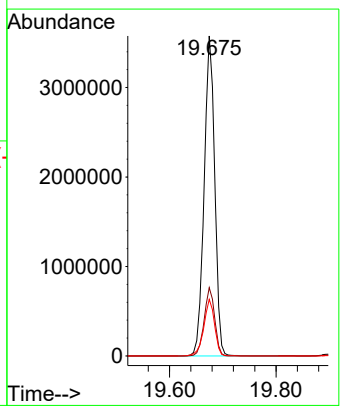


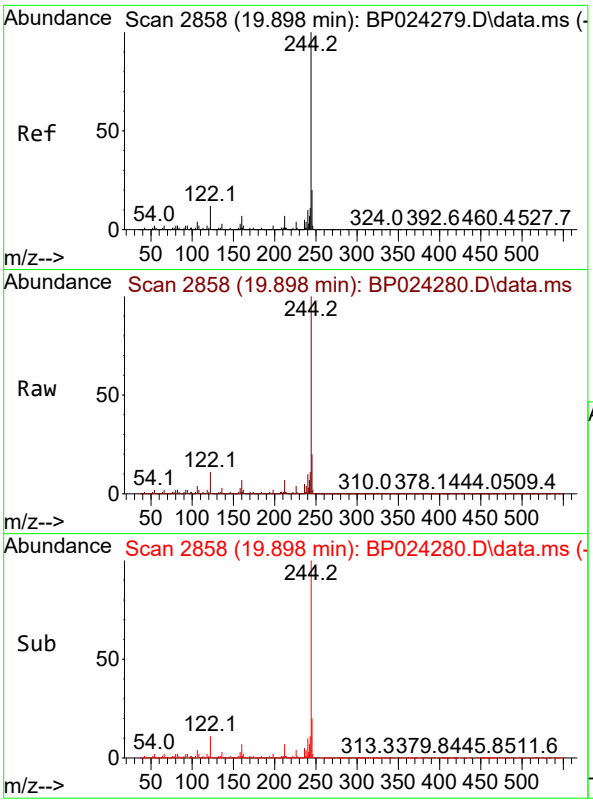


#78
Pyrene
Concen: 50.577 ng
RT: 19.675 min Scan# 2820
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:202 Resp: 4942328

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.2	25.8
203	17.7	14.4	21.6



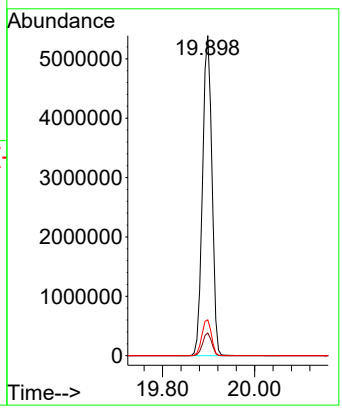


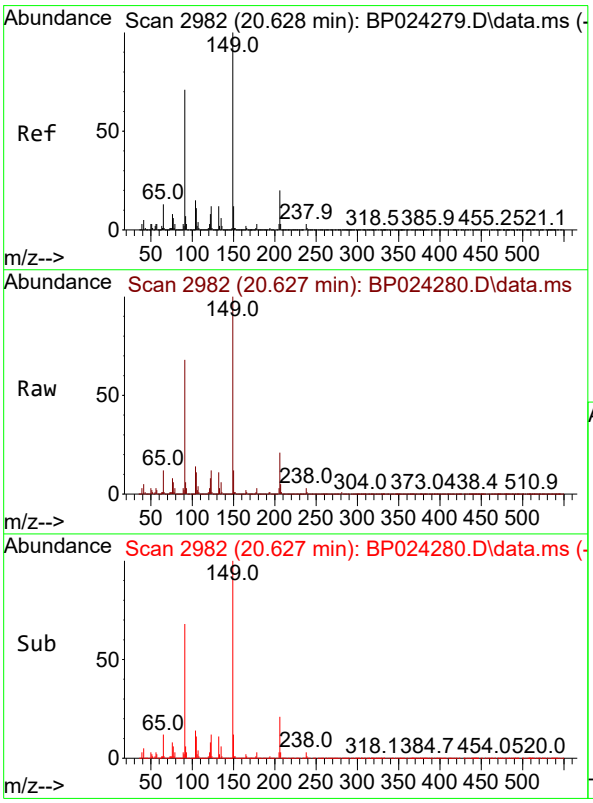
#79
Terphenyl-d14
Concen: 100.142 ng
RT: 19.898 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 7671902

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	11.2	9.4	14.0

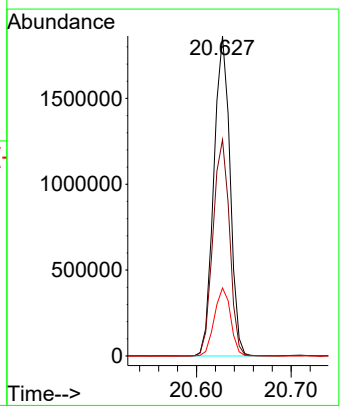


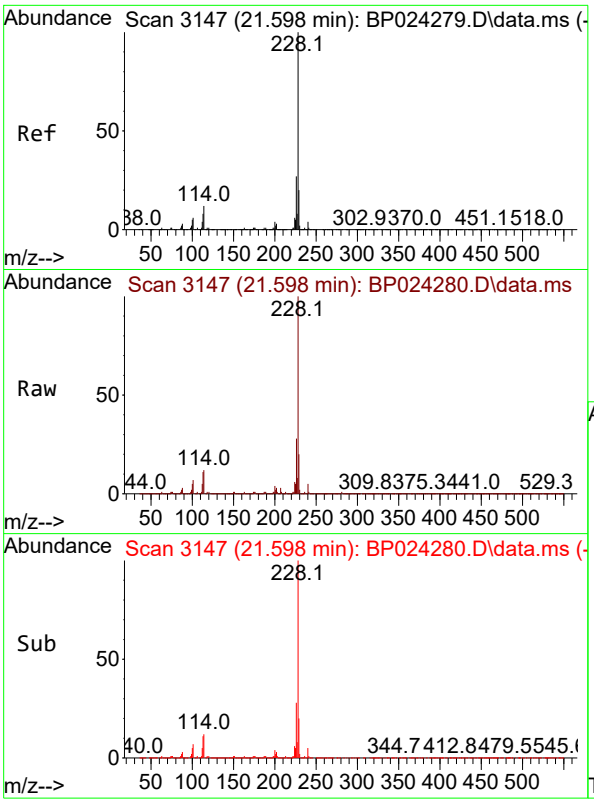


#80
Butylbenzylphthalate
Concen: 53.788 ng
RT: 20.627 min Scan# 2982
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:149 Resp: 2215843

Ion	Ratio	Lower	Upper
149	100		
91	67.6	56.4	84.6
206	21.3	16.3	24.5



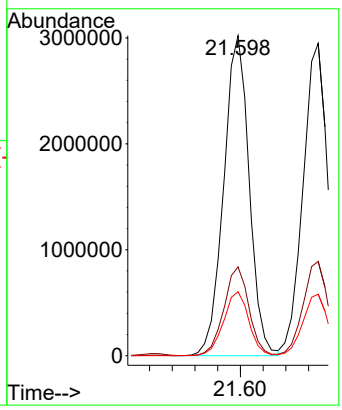


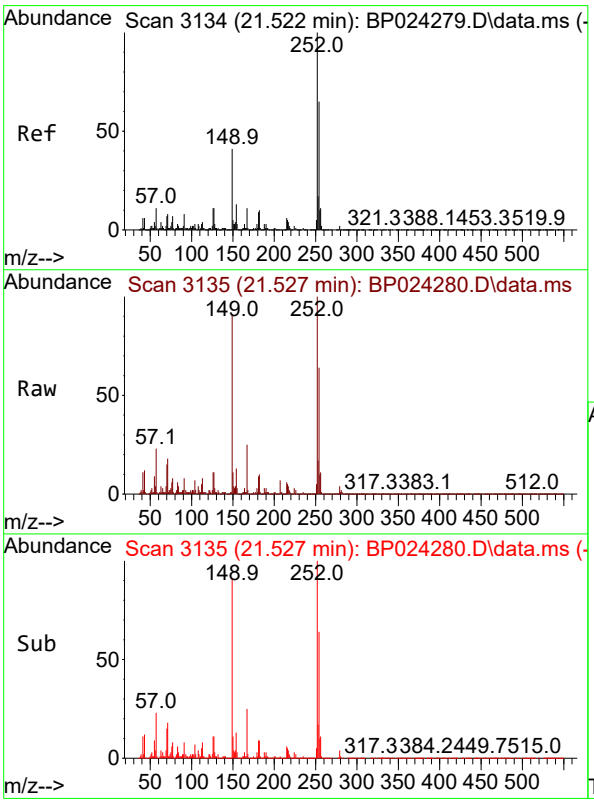
#81
Benzo(a)anthracene
Concen: 49.485 ng
RT: 21.598 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 4711301

Ion	Ratio	Lower	Upper
228	100		
226	27.7	21.8	32.8
229	20.0	15.9	23.9

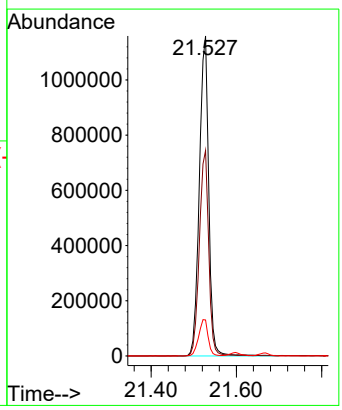


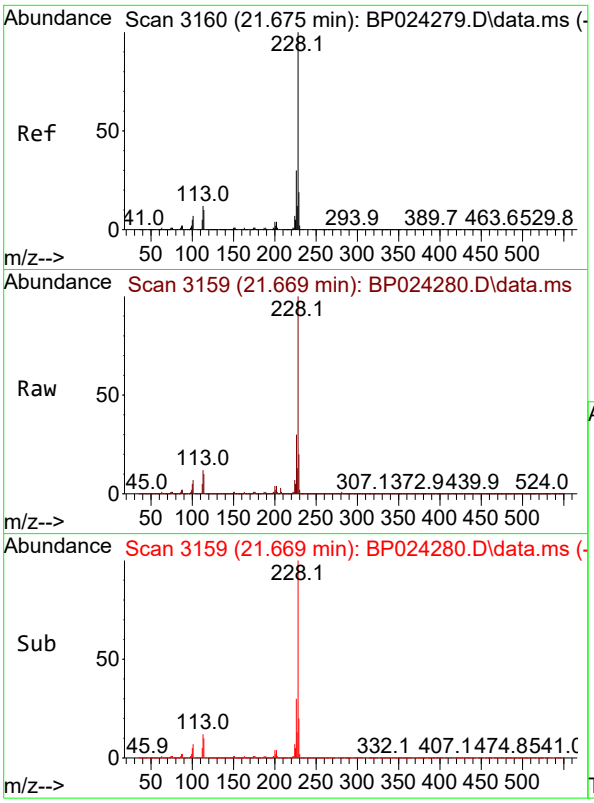


#82
3,3'-Dichlorobenzidine
Concen: 53.582 ng
RT: 21.527 min Scan# 3135
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:252 Resp: 1768950

Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.7	77.5
126	11.3	8.8	13.2



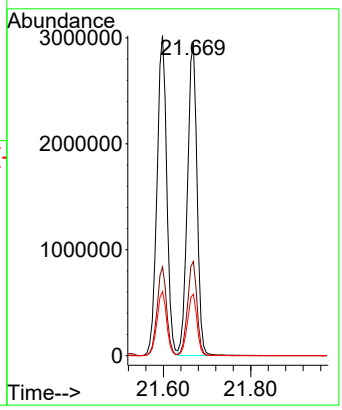


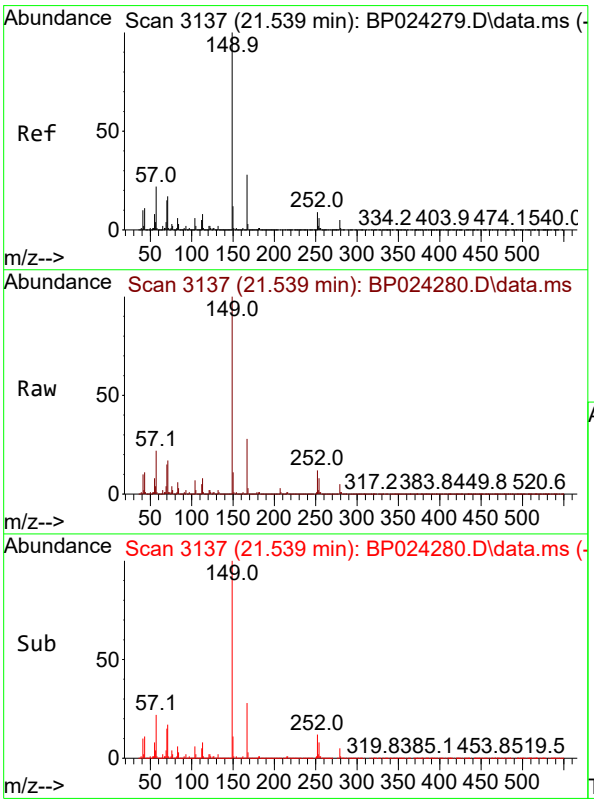
#83
Chrysene
Concen: 49.099 ng
RT: 21.669 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 4480150

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.2	36.2
229	19.7	15.6	23.4

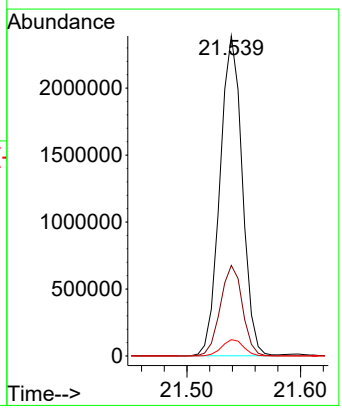


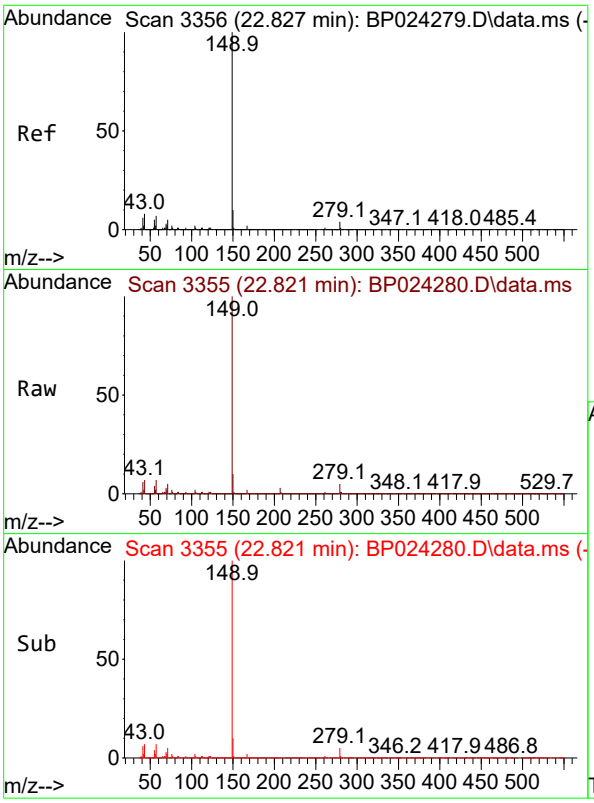


#84
Bis(2-ethylhexyl)phthalate
Concen: 53.679 ng
RT: 21.539 min Scan# 3137
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:149 Resp: 3256722

Ion	Ratio	Lower	Upper
149	100		
167	28.3	22.4	33.6
279	5.1	4.0	6.0



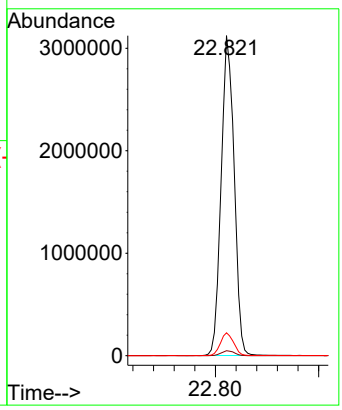


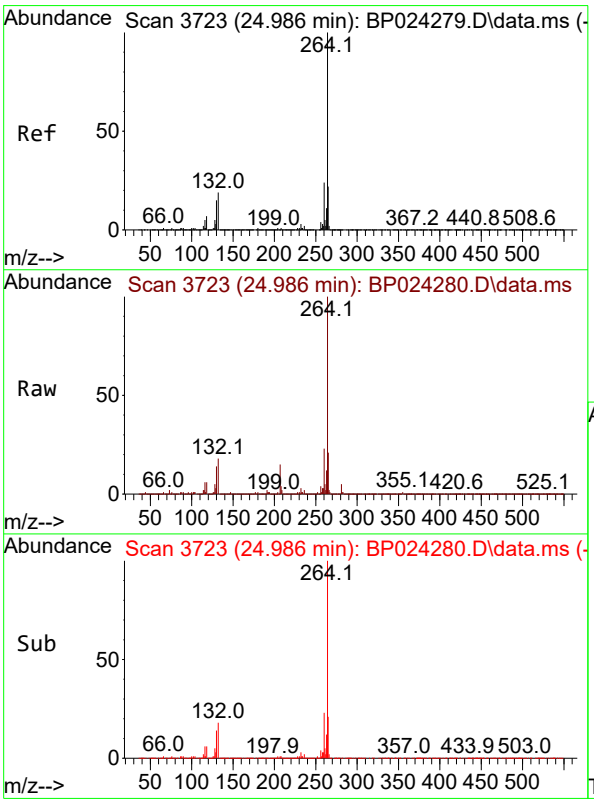
#85
Di-n-octyl phthalate
Concen: 56.166 ng
RT: 22.821 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 5458484

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.2	6.0	9.0

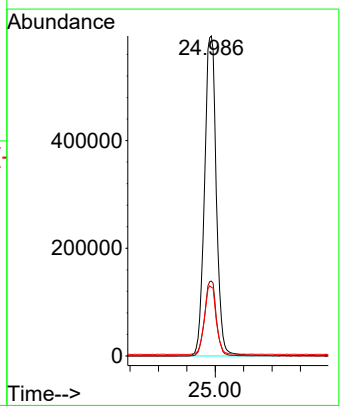


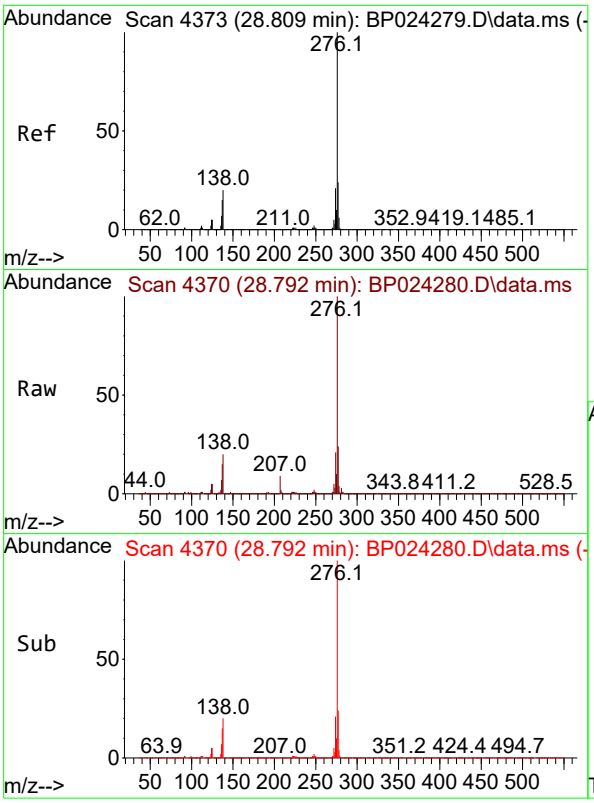


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.986 min Scan# 3723
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:264 Resp: 1706545

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.9	28.3
265	21.5	17.8	26.6



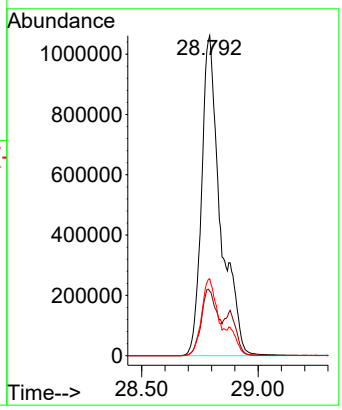


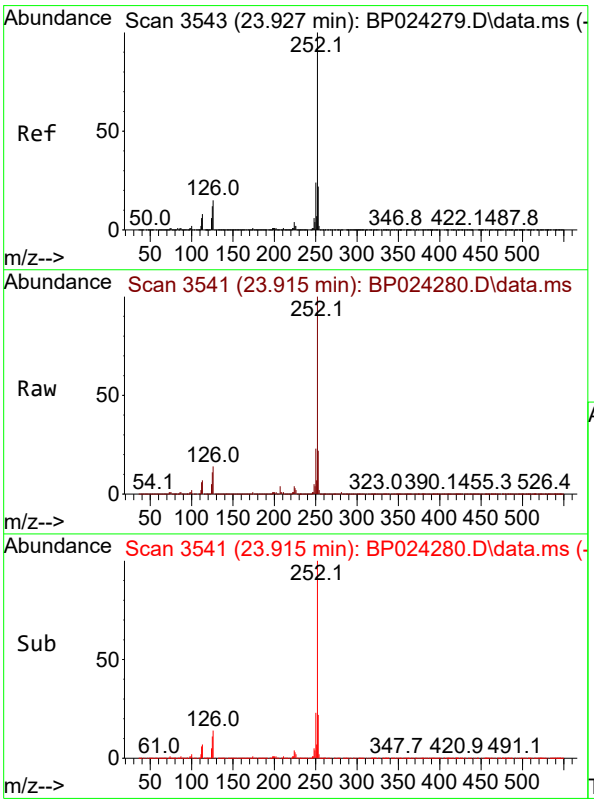
#87
Indeno(1,2,3-cd)pyrene
Concen: 50.926 ng m
RT: 28.792 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 5977144

Ion	Ratio	Lower	Upper
276	100		
138	17.7	14.5	21.7
277	20.8	20.2	30.2

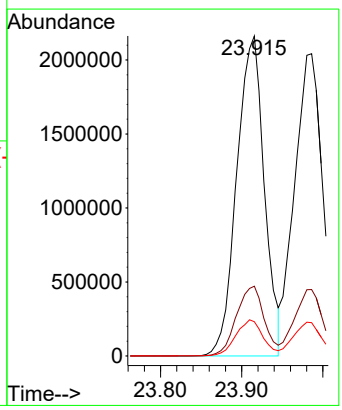


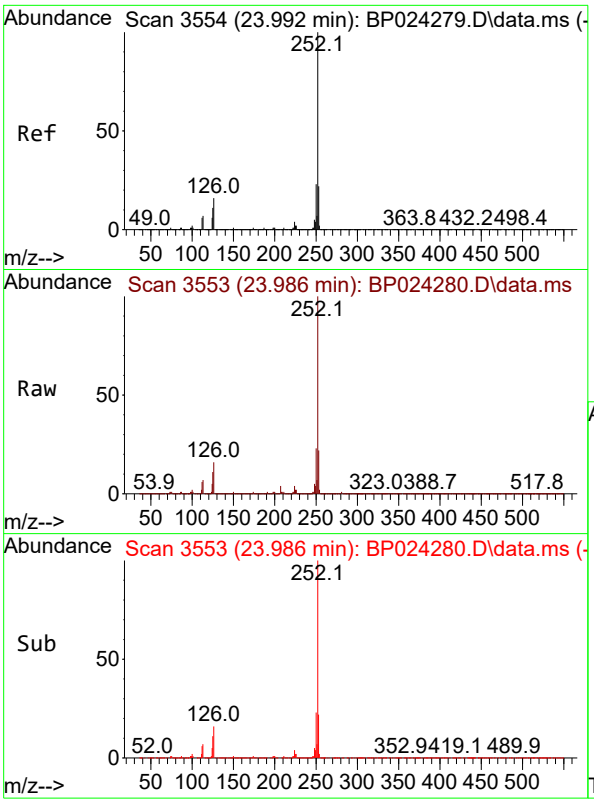


#88
Benzo(b)fluoranthene
Concen: 49.975 ng
RT: 23.915 min Scan# 3541
Delta R.T. -0.012 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:252 Resp: 5102465

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	10.7	9.4	14.0



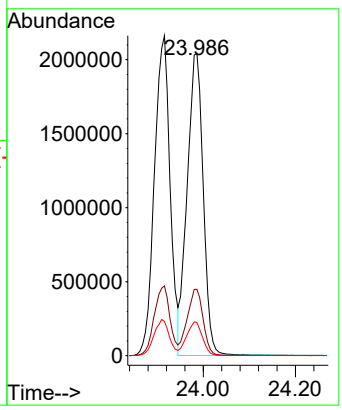


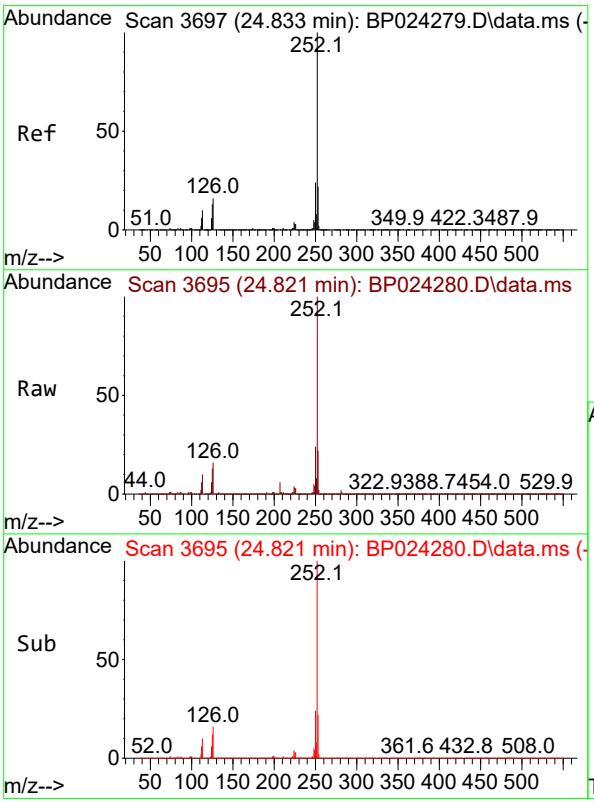
#89
Benzo(k)fluoranthene
Concen: 49.683 ng
RT: 23.986 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 4923203

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	11.0	9.1	13.7

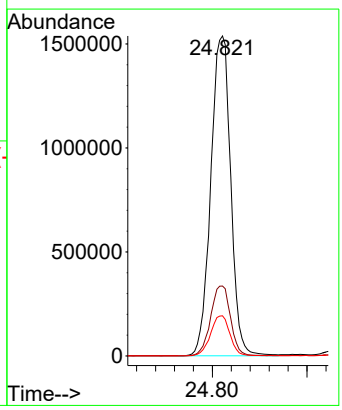


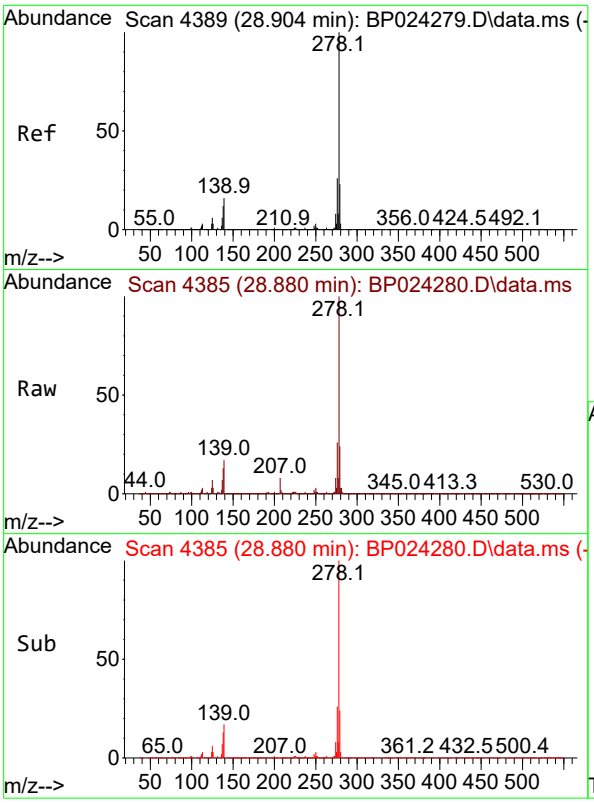


#90
Benzo(a)pyrene
Concen: 51.093 ng
RT: 24.821 min Scan# 3695
Delta R.T. -0.012 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:252 Resp: 4490517

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	12.5	10.1	15.1



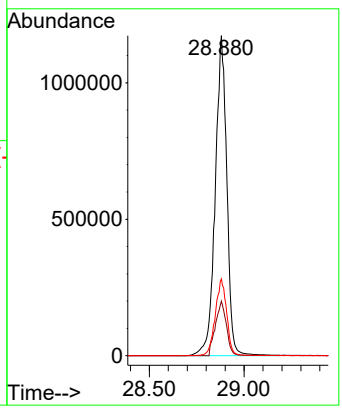


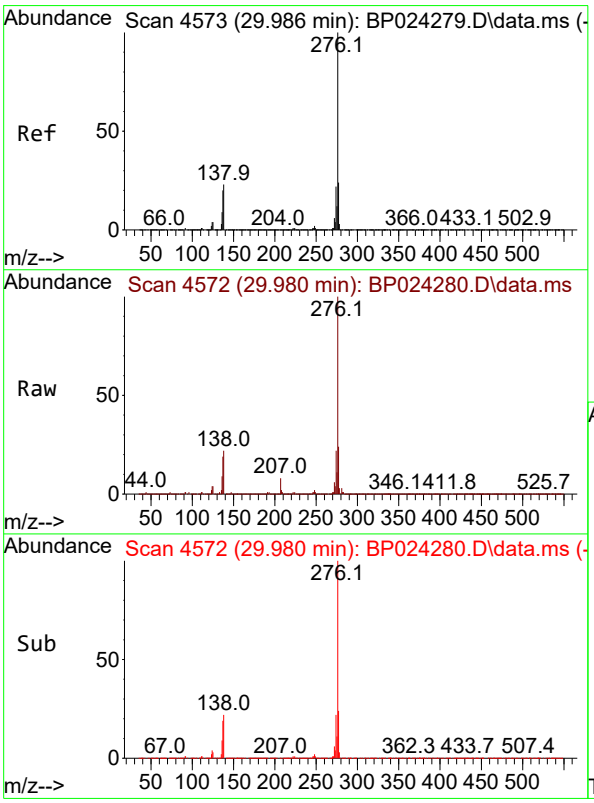
#91
Dibenzo(a,h)anthracene
Concen: 51.084 ng
RT: 28.880 min Scan# 4
Delta R.T. -0.024 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 4987219

Ion	Ratio	Lower	Upper
278	100		
139	17.1	12.6	19.0
279	24.0	18.5	27.7

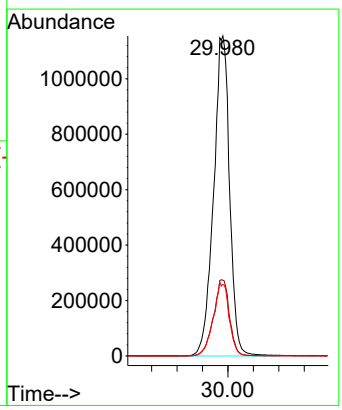




#92
Benzo(g,h,i)perylene
Concen: 50.656 ng
RT: 29.980 min Scan# 4572
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:276 Resp: 5033807

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.9	28.3
138	22.4	18.7	28.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024281.D
Acq On : 14 Apr 2025 16:32
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Apr 14 17:27:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.728	152	283549	20.000	ng		0.00
21) Naphthalene-d8	10.510	136	1206231	20.000	ng		0.00
39) Acenaphthene-d10	14.363	164	777459	20.000	ng		0.00
64) Phenanthrene-d10	17.169	188	1536805	20.000	ng		0.00
76) Chrysene-d12	21.621	240	1596148	20.000	ng		0.00
86) Perylene-d12	24.986	264	1858365	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.352	112	2173071	126.481	ng		0.00
7) Phenol-d6	6.916	99	3009690	128.049	ng		0.00
23) Nitrobenzene-d5	8.881	82	2579126	121.729	ng		0.00
42) 2,4,6-Tribromophenol	15.881	330	1382037	129.818	ng		0.00
45) 2-Fluorobiphenyl	12.975	172	5835791	113.964	ng		0.00
79) Terphenyl-d14	19.898	244	9228969	115.262	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.293	88	417124	56.869	ng		100
3) Pyridine	3.687	79	1176097m	61.599	ng		
4) n-Nitrosodimethylamine	3.599	42	391176	61.443	ng		99
6) Aniline	7.069	93	1214636	57.245	ng		100
8) 2-Chlorophenol	7.305	128	1190812	62.021	ng		99
9) Benzaldehyde	6.881	77	617878	50.755	ng		99
10) Phenol	6.946	94	1513303	64.123	ng		99
11) bis(2-Chloroethyl)ether	7.163	93	1155297	60.579	ng		100
12) 1,3-Dichlorobenzene	7.622	146	1218832	58.589	ng		100
13) 1,4-Dichlorobenzene	7.763	146	1244205	58.981	ng		100
14) 1,2-Dichlorobenzene	8.081	146	1199988	58.830	ng		100
15) Benzyl Alcohol	7.975	79	1002308	66.533	ng		100
16) 2,2'-oxybis(1-Chloropr...	8.257	45	1187992	57.259	ng		99
17) 2-Methylphenol	8.175	107	978531	64.342	ng		99
18) Hexachloroethane	8.804	117	453349	59.545	ng		98
19) n-Nitroso-di-n-propyla...	8.534	70	883042	60.486	ng		99
20) 3+4-Methylphenols	8.499	107	1367005	64.895	ng		99
22) Acetophenone	8.546	105	1792666	59.797	ng	#	99
24) Nitrobenzene	8.922	77	1276229	60.775	ng		100
25) Isophorone	9.446	82	2365423	61.842	ng		99
26) 2-Nitrophenol	9.628	139	690735	68.504	ng		99
27) 2,4-Dimethylphenol	9.693	122	826335	64.660	ng		98
28) bis(2-Chloroethoxy)met...	9.922	93	1539129	59.124	ng		99
29) 2,4-Dichlorophenol	10.157	162	1124170	64.543	ng		99
30) 1,2,4-Trichlorobenzene	10.369	180	1138896	60.440	ng		99
31) Naphthalene	10.557	128	3790924	59.373	ng		99
32) Benzoic acid	9.869	122	1032910m	74.795	ng		
33) 4-Chloroaniline	10.675	127	1372601	61.527	ng		100
34) Hexachlorobutadiene	10.845	225	660129	59.719	ng		99
35) Caprolactam	11.475	113	437691	68.445	ng		99
36) 4-Chloro-3-methylphenol	11.804	107	1314421	64.762	ng		98
37) 2-Methylnaphthalene	12.169	142	2676555	60.487	ng		99
38) 1-Methylnaphthalene	12.387	142	2599119	59.960	ng		100
40) 1,2,4,5-Tetrachloroben...	12.540	216	1281552	59.981	ng		100
41) Hexachlorocyclopentadiene	12.522	237	459486	61.257	ng		99
43) 2,4,6-Trichlorophenol	12.787	196	909999	64.732	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024281.D
Acq On : 14 Apr 2025 16:32
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Apr 14 17:27:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

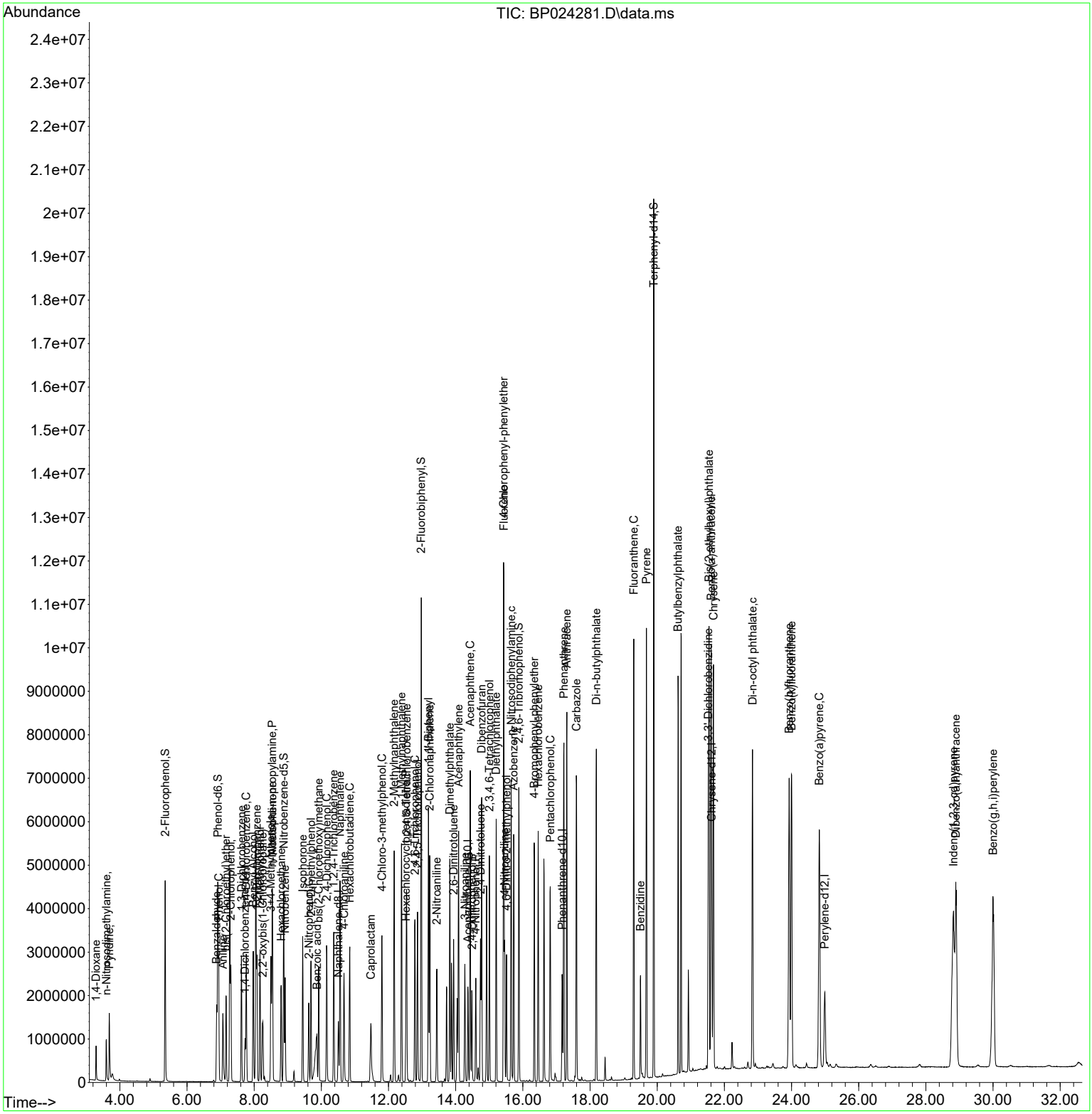
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.863	196	1017414	65.306	ng	99
46) 1,1'-Biphenyl	13.187	154	3330176	58.001	ng	99
47) 2-Chloronaphthalene	13.228	162	2542212	59.336	ng	99
48) 2-Nitroaniline	13.439	65	781584	66.042	ng	98
49) Acenaphthylene	14.087	152	4111553	61.143	ng	99
50) Dimethylphthalate	13.828	163	3404463	60.022	ng	100
51) 2,6-Dinitrotoluene	13.939	165	764810	63.998	ng	98
52) Acenaphthene	14.434	154	2516981	58.858	ng	99
53) 3-Nitroaniline	14.275	138	793796	64.022	ng	99
54) 2,4-Dinitrophenol	14.486	184	490497	76.655	ng	97
55) Dibenzofuran	14.775	168	4124640	58.810	ng	100
56) 4-Nitrophenol	14.598	139	754038	70.748	ng	99
57) 2,4-Dinitrotoluene	14.739	165	1079633	66.836	ng	98
58) Fluorene	15.434	166	3184960	58.817	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.004	232	909497	63.097	ng	100
60) Diethylphthalate	15.204	149	3495577	59.879	ng	100
61) 4-Chlorophenyl-phenyle...	15.428	204	1563042	59.442	ng	99
62) 4-Nitroaniline	15.457	138	886163	67.414	ng	98
63) Azobenzene	15.728	77	3229873	60.070	ng	98
65) 4,6-Dinitro-2-methylph...	15.516	198	647253	72.083	ng	94
66) n-Nitrosodiphenylamine	15.651	169	2805137	60.874	ng	100
67) 4-Bromophenyl-phenylether	16.339	248	1038071	61.926	ng	98
68) Hexachlorobenzene	16.457	284	1239550	62.200	ng	97
70) Pentachlorophenol	16.816	266	936562	68.445	ng	100
71) Phenanthrene	17.222	178	4988840	59.209	ng	99
72) Anthracene	17.310	178	4938117	60.907	ng	99
73) Carbazole	17.592	167	4780408	60.584	ng	99
74) Di-n-butylphthalate	18.186	149	6167206	62.730	ng	100
75) Fluoranthene	19.304	202	6009748	60.092	ng	98
77) Benzidine	19.504	184	1446166	73.401	ng	100
78) Pyrene	19.680	202	6250781	61.204	ng	100
80) Butylbenzylphthalate	20.621	149	2840001	65.961	ng	98
81) Benzo(a)anthracene	21.604	228	6002059	60.318	ng	99
82) 3,3'-Dichlorobenzidine	21.521	252	2323294	67.333	ng	100
83) Chrysene	21.674	228	5714775	59.924	ng	99
84) Bis(2-ethylhexyl)phtha...	21.545	149	4153128	65.497	ng	99
85) Di-n-octyl phthalate	22.839	149	7116217	70.060	ng	99
87) Indeno(1,2,3-cd)pyrene	28.821	276	8057576m	63.043	ng	
88) Benzo(b)fluoranthene	23.927	252	6715444	60.400	ng	99
89) Benzo(k)fluoranthene	24.004	252	6500782	60.244	ng	99
90) Benzo(a)pyrene	24.827	252	5964163	62.316	ng	99
91) Dibenzo(a,h)anthracene	28.892	278	6614173	62.214	ng	98
92) Benzo(g,h,i)perylene	30.003	276	6740929	62.294	ng	98

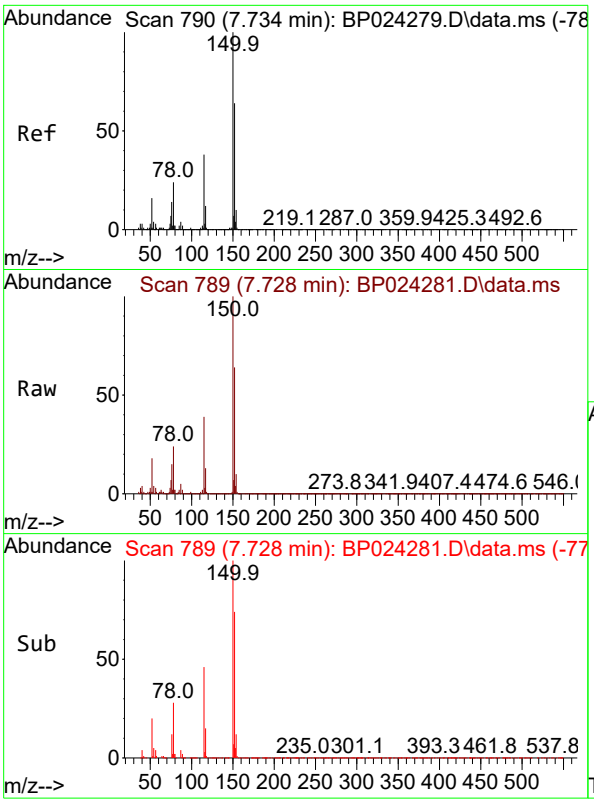
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024281.D
Acq On : 14 Apr 2025 16:32
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Apr 14 17:27:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration



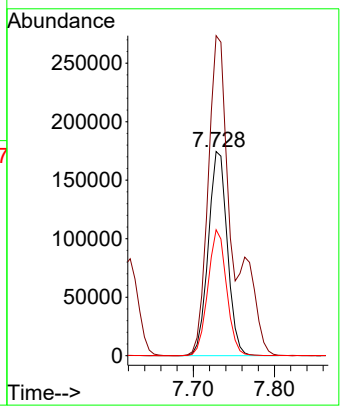


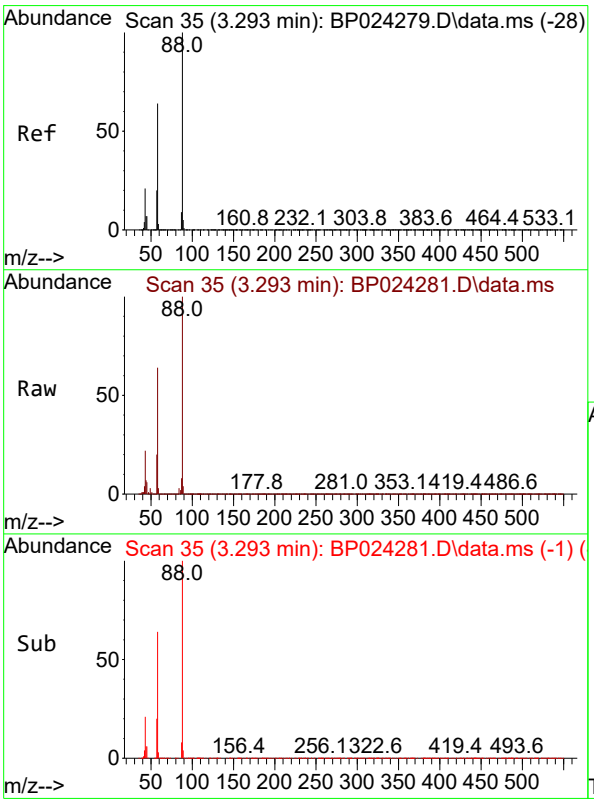
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.728 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 283549

Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.9	187.3
115	61.7	47.7	71.5

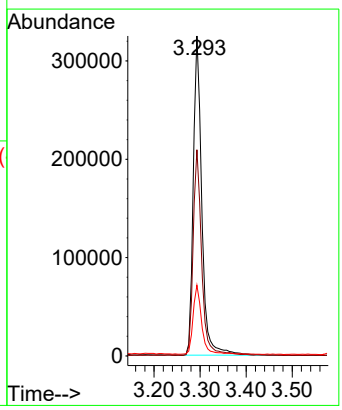


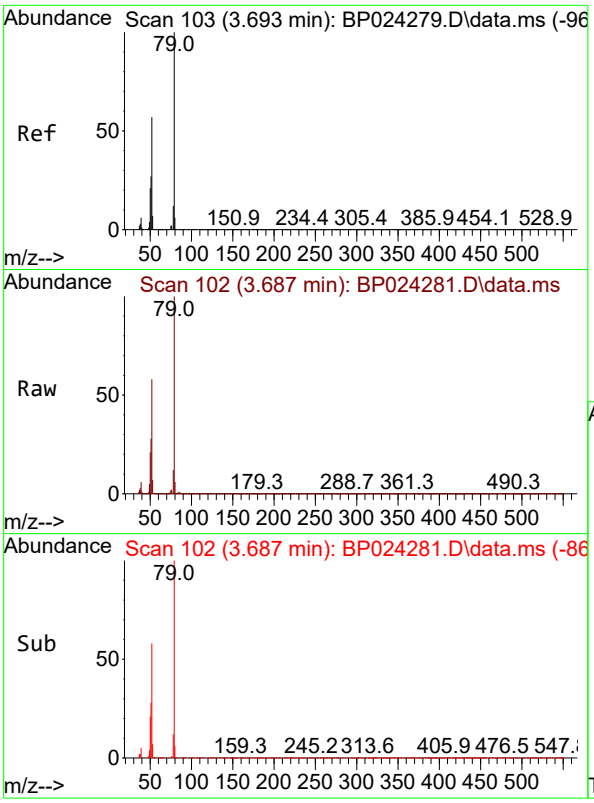


#2
1,4-Dioxane
Concen: 56.869 ng
RT: 3.293 min Scan# 35
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion: 88 Resp: 417124

Ion	Ratio	Lower	Upper
88	100		
58	64.4	51.4	77.2
43	21.4	17.1	25.7



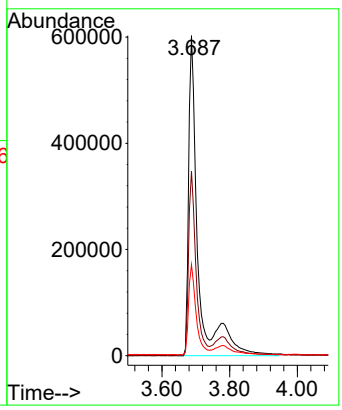


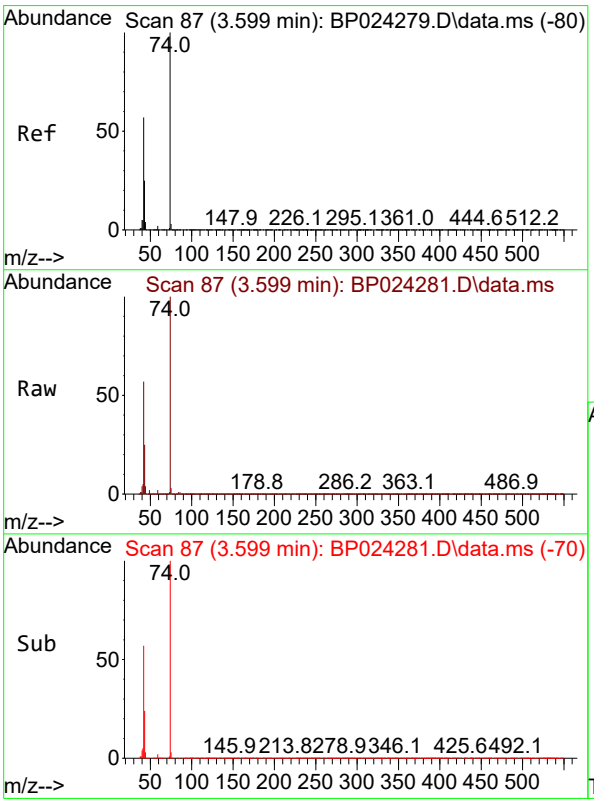
#3
Pyridine
Concen: 61.599 ng m
RT: 3.687 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 1176097

Ion	Ratio	Lower	Upper
79	100		
52	57.7	45.4	68.2
51	28.4	22.6	33.8

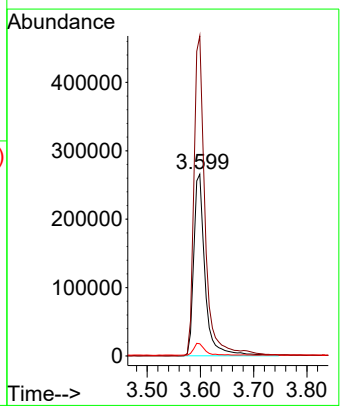


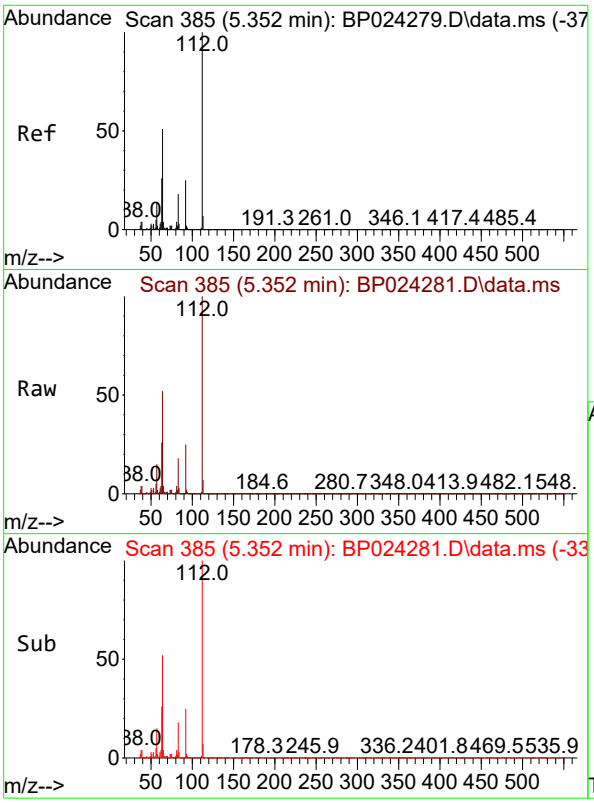


#4
n-Nitrosodimethylamine
Concen: 61.443 ng
RT: 3.599 min Scan# 87
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion: 42 Resp: 391176

Ion	Ratio	Lower	Upper
42	100		
74	176.0	139.5	209.3
44	6.7	5.8	8.8



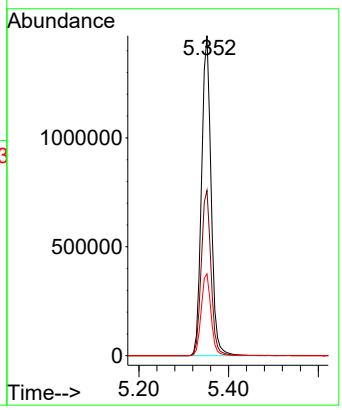


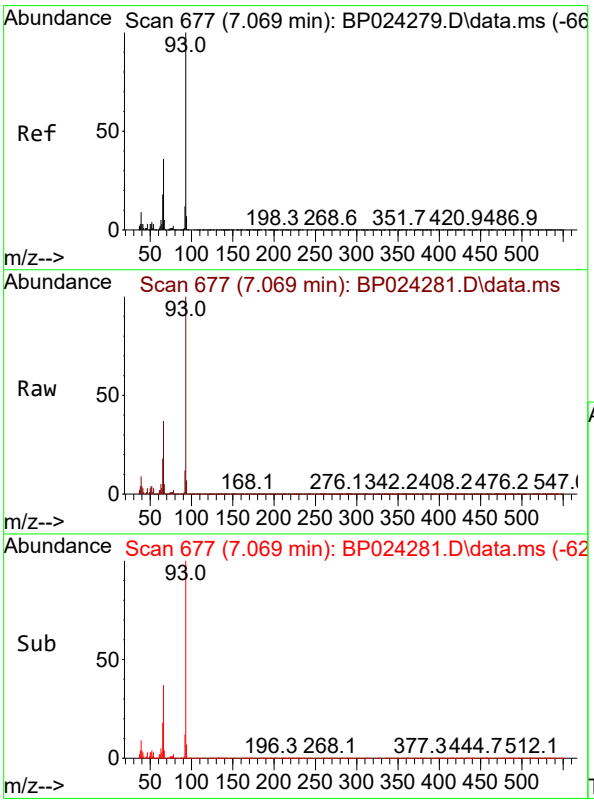
#5
2-Fluorophenol
Concen: 126.481 ng
RT: 5.352 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 2173071

Ion	Ratio	Lower	Upper
112	100		
64	51.6	41.1	61.7
63	25.5	20.6	30.8

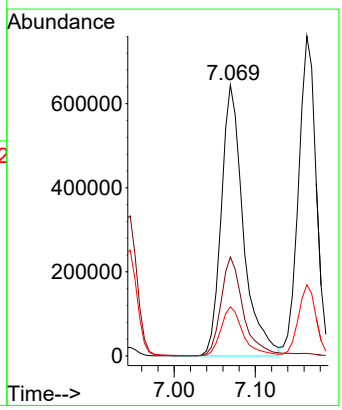


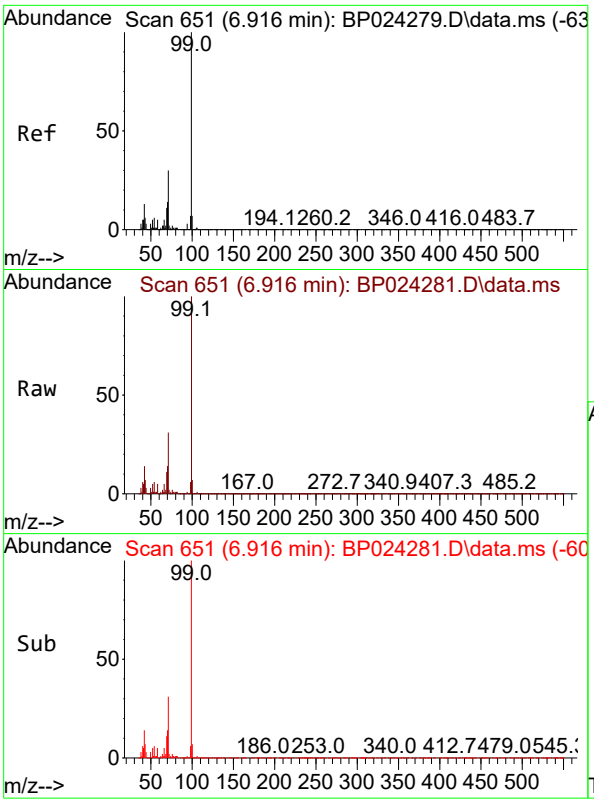


#6
Aniline
Concen: 57.245 ng
RT: 7.069 min Scan# 677
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion: 93 Resp: 1214636

Ion	Ratio	Lower	Upper
93	100		
66	36.6	29.1	43.7
65	18.1	14.7	22.1



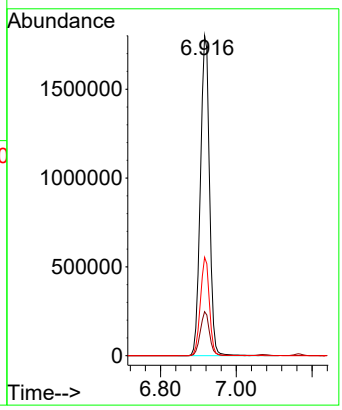


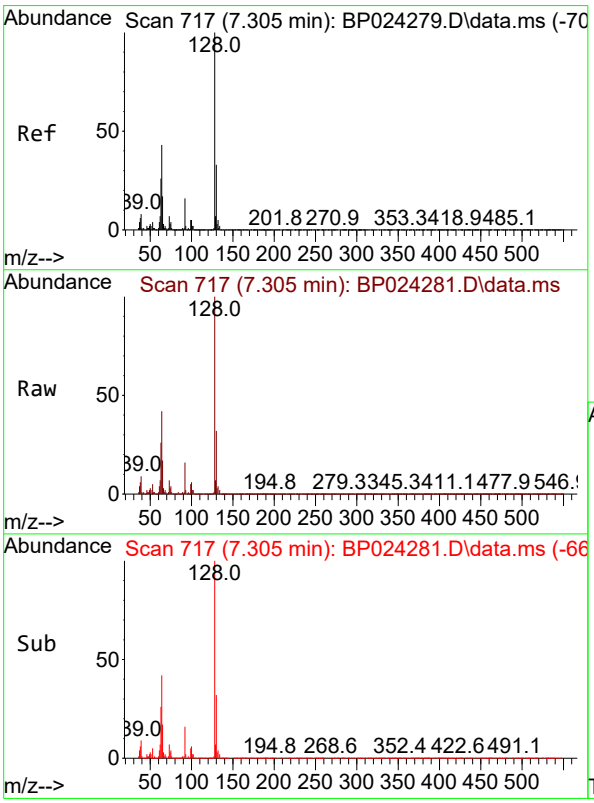
#7
Phenol-d6
Concen: 128.049 ng
RT: 6.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 3009690

Ion	Ratio	Lower	Upper
99	100		
42	13.8	10.6	16.0
71	30.8	23.7	35.5

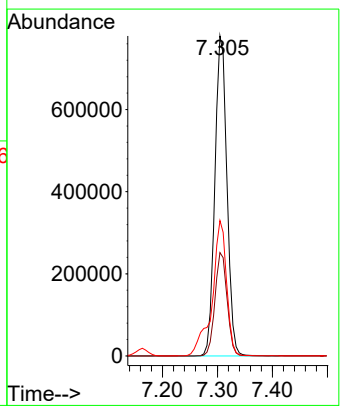


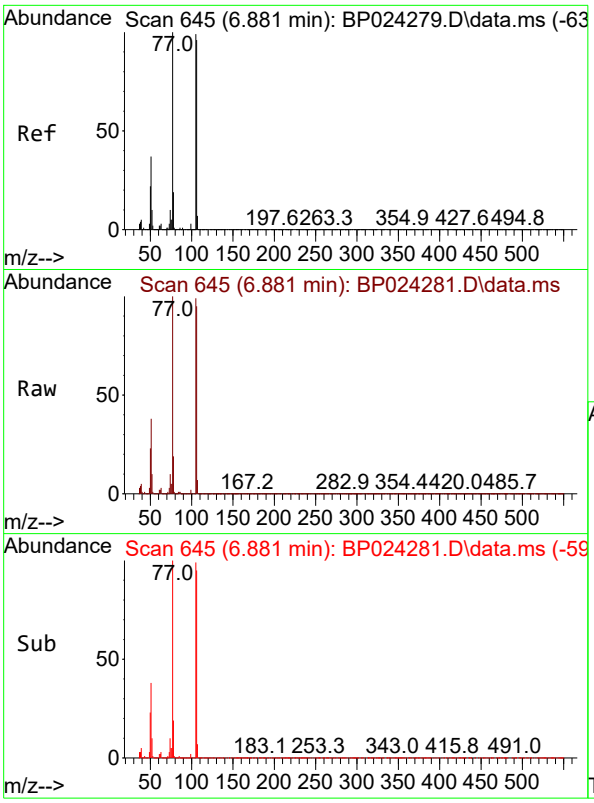


#8
2-Chlorophenol
Concen: 62.021 ng
RT: 7.305 min Scan# 717
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:128 Resp: 1190812

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.9	52.9
64	42.3	22.7	62.7



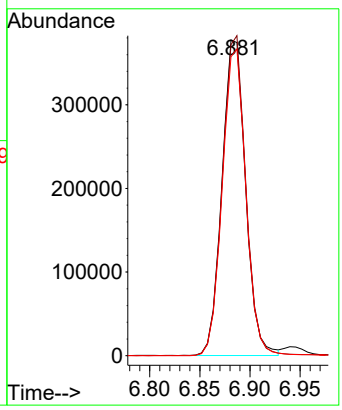


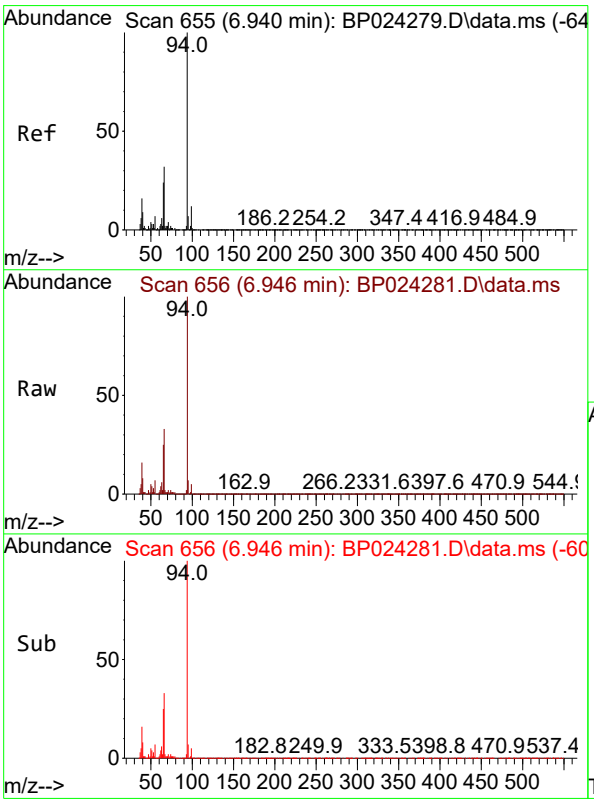
#9
Benzaldehyde
Concen: 50.755 ng
RT: 6.881 min Scan# 64
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 617878

Ion	Ratio	Lower	Upper
77	100		
105	98.5	79.2	119.2
106	94.7	76.2	116.2

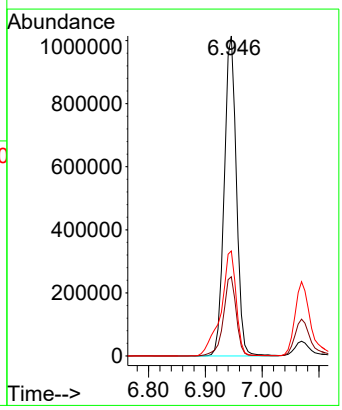


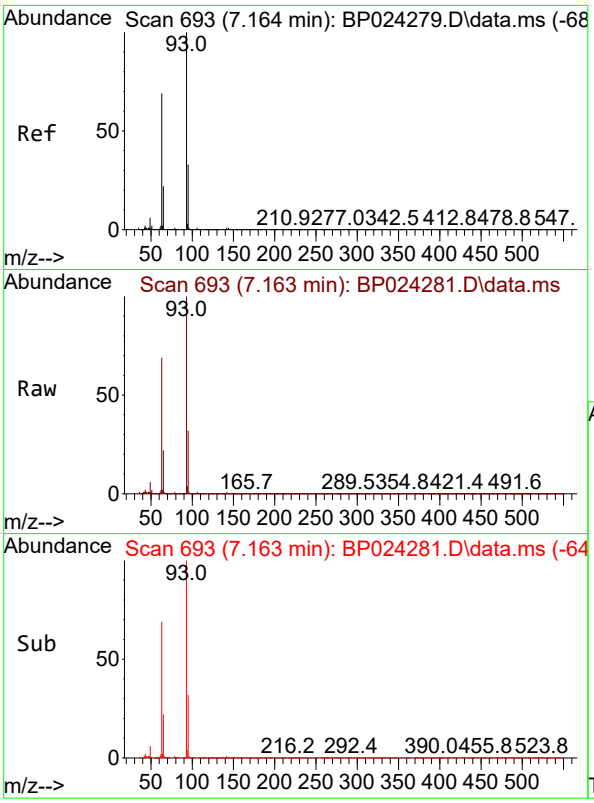


#10
Phenol
Concen: 64.123 ng
RT: 6.946 min Scan# 656
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion: 94 Resp: 1513303

Ion	Ratio	Lower	Upper
94	100		
65	24.8	4.5	44.5
66	32.8	12.4	52.4



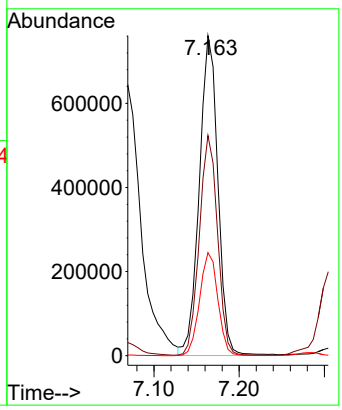


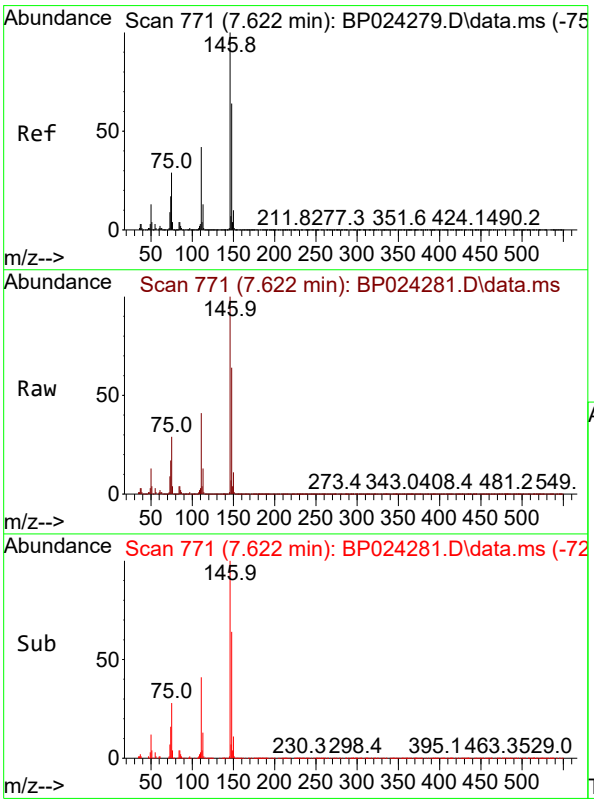
#11
bis(2-Chloroethyl)ether
Concen: 60.579 ng
RT: 7.163 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 1155297

Ion	Ratio	Lower	Upper
93	100		
63	68.8	48.6	88.6
95	32.2	12.3	52.3

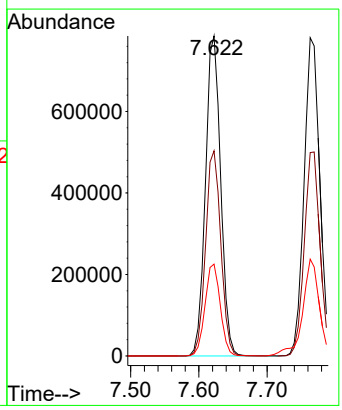


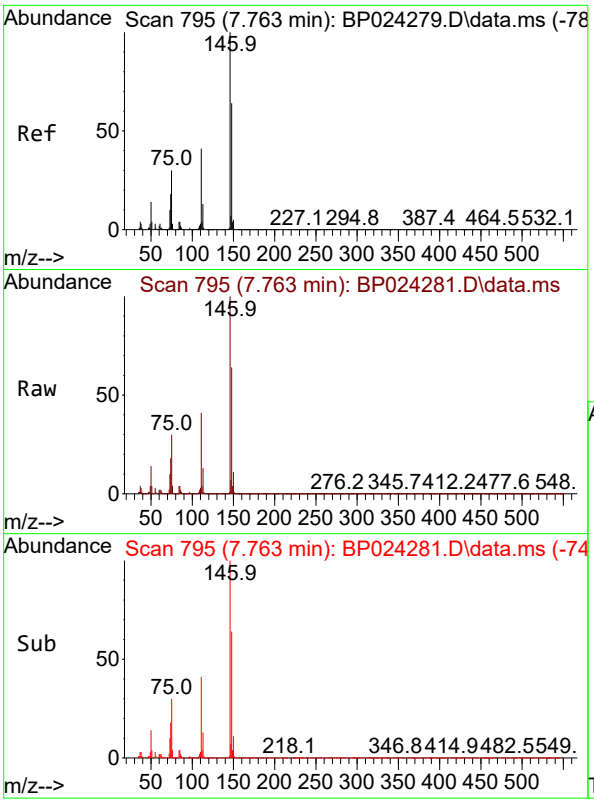


#12
1,3-Dichlorobenzene
Concen: 58.589 ng
RT: 7.622 min Scan# 771
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:146 Resp: 1218832

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.4	77.0
75	28.7	22.9	34.3



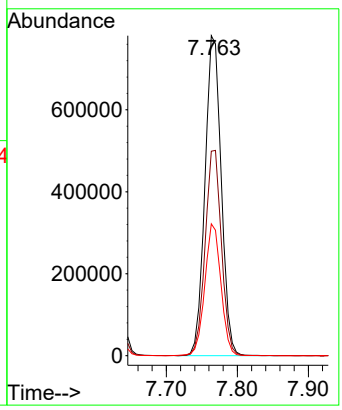


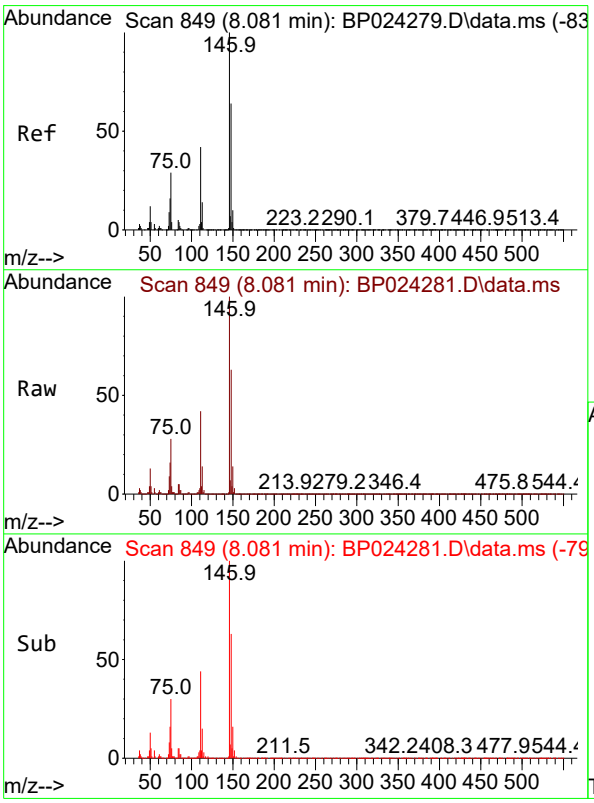
#13
1,4-Dichlorobenzene
Concen: 58.981 ng
RT: 7.763 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 1244205

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.1	76.7
111	41.2	32.6	48.8

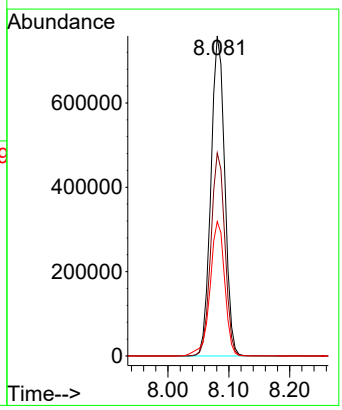


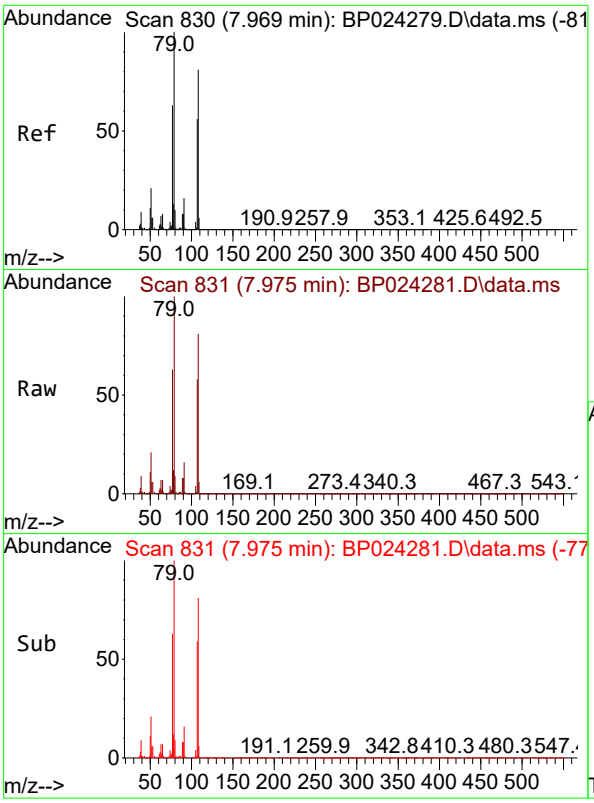


#14
1,2-Dichlorobenzene
Concen: 58.830 ng
RT: 8.081 min Scan# 849
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:146 Resp: 1199988

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.0	76.4
111	42.0	33.8	50.8



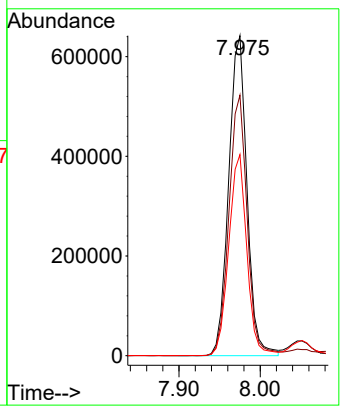


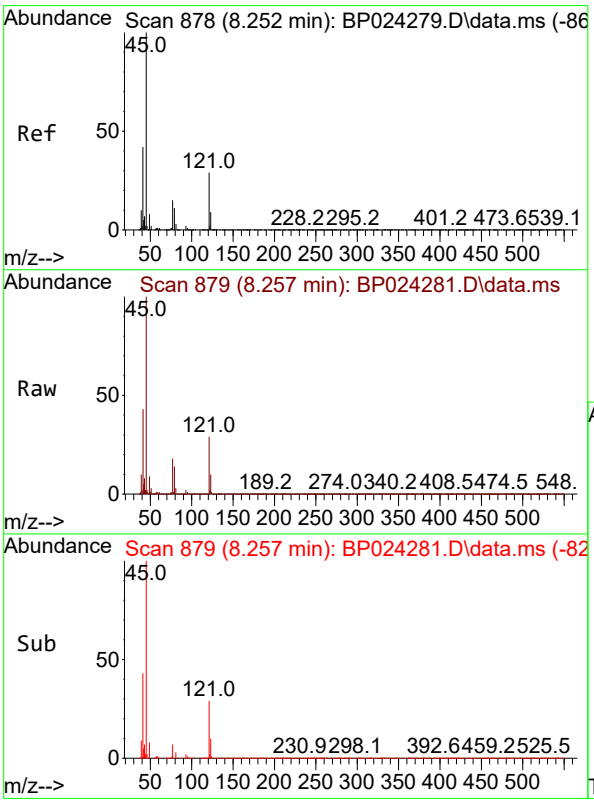
#15
Benzyl Alcohol
Concen: 66.533 ng
RT: 7.975 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 1002308

Ion	Ratio	Lower	Upper
79	100		
108	81.4	65.1	97.7
77	62.9	50.7	76.1

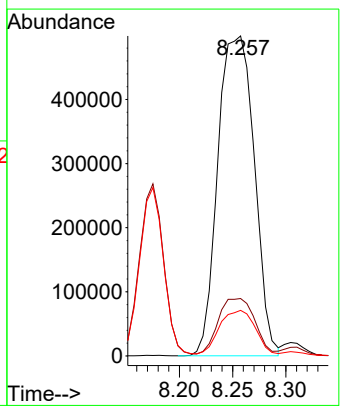


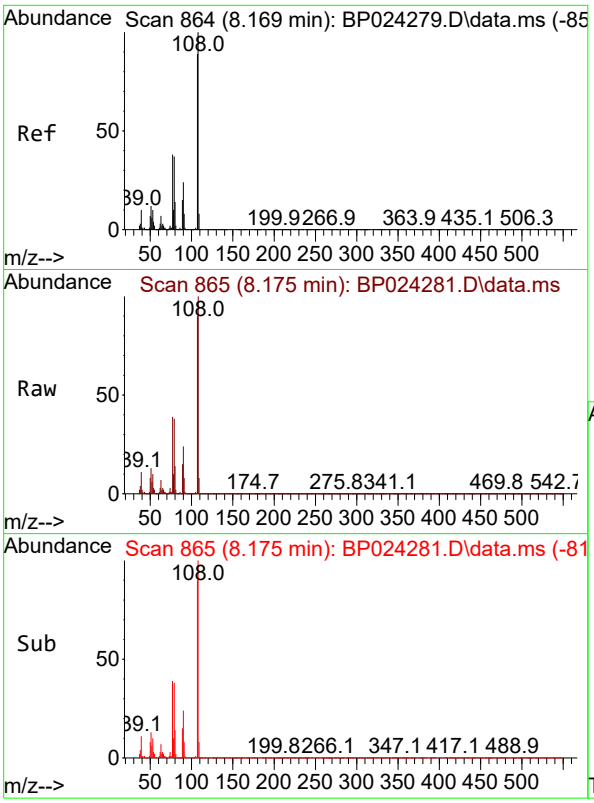


#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.259 ng
RT: 8.257 min Scan# 879
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion: 45 Resp: 1187992

Ion	Ratio	Lower	Upper
45	100		
77	17.9	0.0	37.7
79	14.3	0.0	33.5



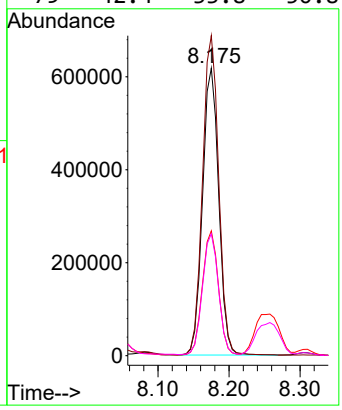


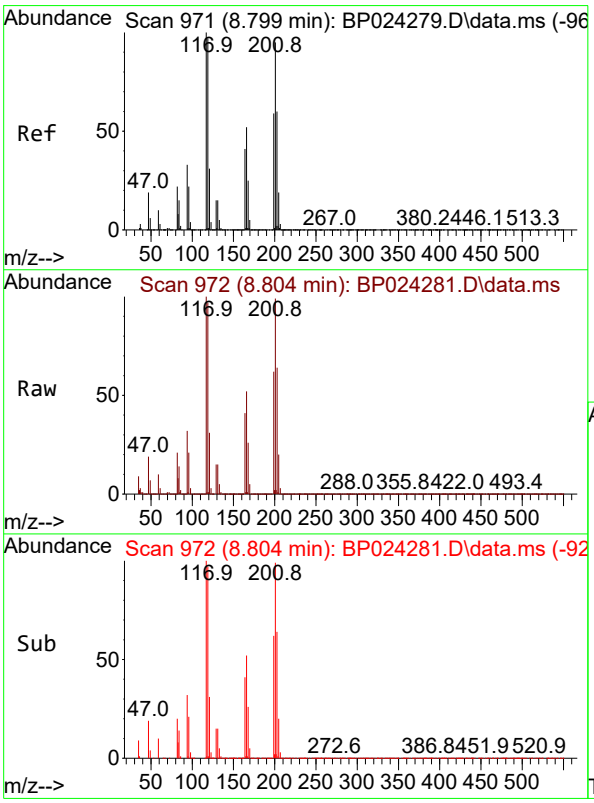
#17
2-Methylphenol
Concen: 64.342 ng
RT: 8.175 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 978531

Ion	Ratio	Lower	Upper
107	100		
108	111.3	89.8	134.6
77	43.4	34.2	51.4
79	42.4	33.8	50.8

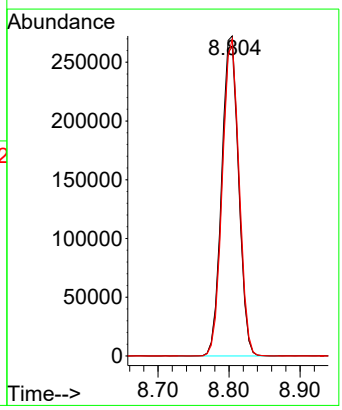


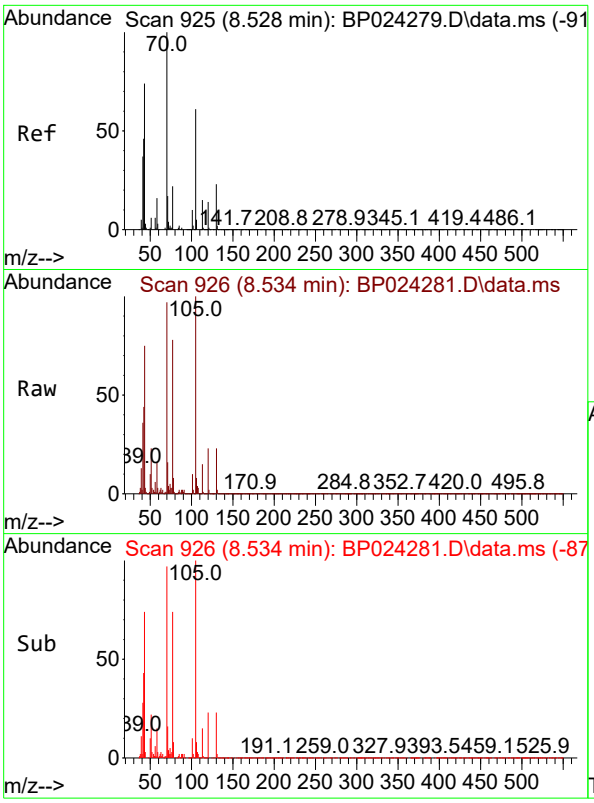


#18
Hexachloroethane
Concen: 59.545 ng
RT: 8.804 min Scan# 972
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:117 Resp: 453349

Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.8	116.6
201	99.1	75.9	113.9



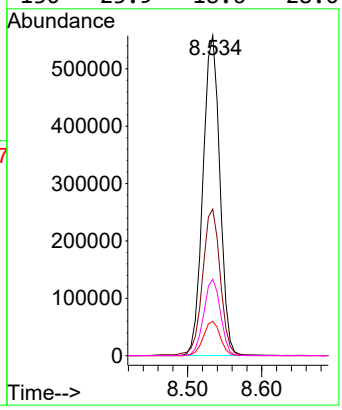


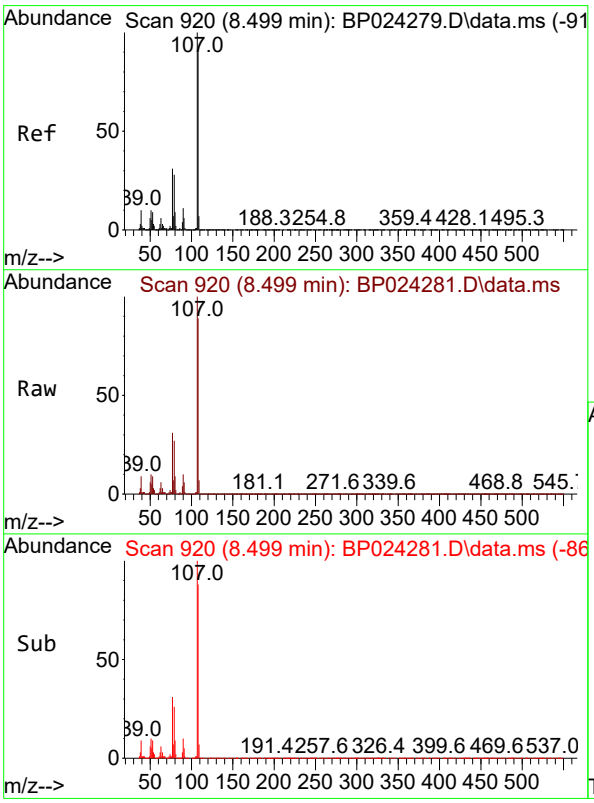
#19
n-Nitroso-di-n-propylamine
Concen: 60.486 ng
RT: 8.534 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 883042

Ion	Ratio	Lower	Upper
70	100		
42	45.8	37.3	55.9
101	10.7	8.2	12.4
130	23.9	18.6	28.0

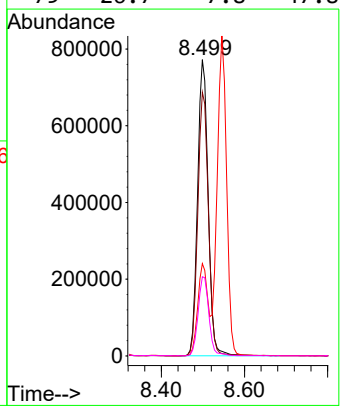


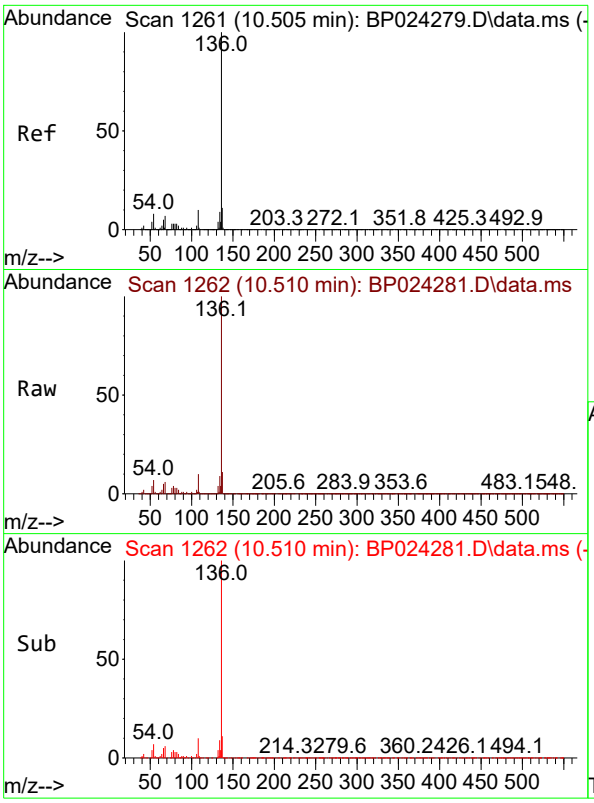


#20
3+4-Methylphenols
Concen: 64.895 ng
RT: 8.499 min Scan# 920
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:107 Resp: 1367005

Ion	Ratio	Lower	Upper
107	100		
108	89.0	69.8	109.8
77	31.1	11.5	51.5
79	26.7	7.8	47.8



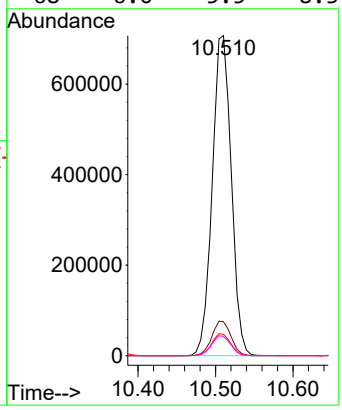


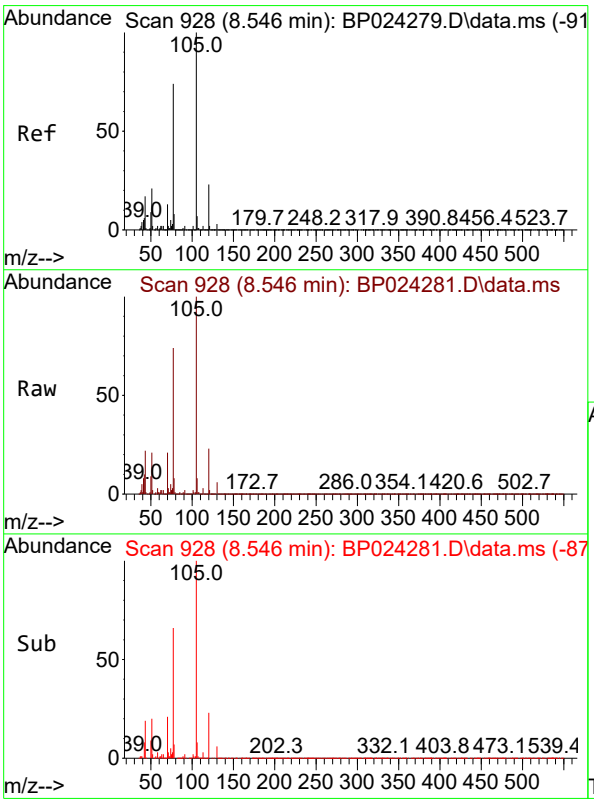
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.510 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 1206231

Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	6.7	6.0	9.0
68	6.0	5.5	8.3

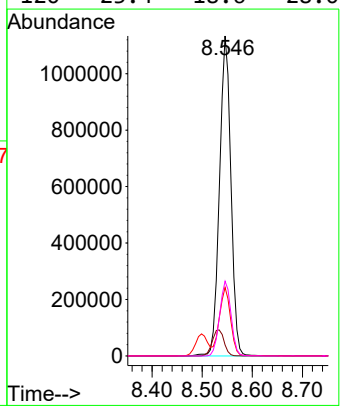


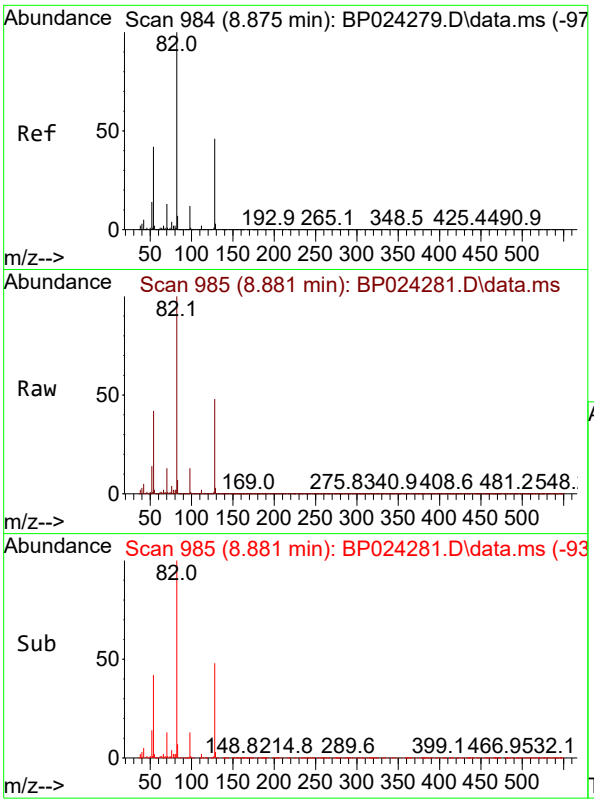


#22
Acetophenone
Concen: 59.797 ng
RT: 8.546 min Scan# 928
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:105 Resp: 1792666

Ion	Ratio	Lower	Upper
105	100		
71	3.4	1.7	2.5#
51	21.4	16.9	25.3
120	23.4	18.6	28.0



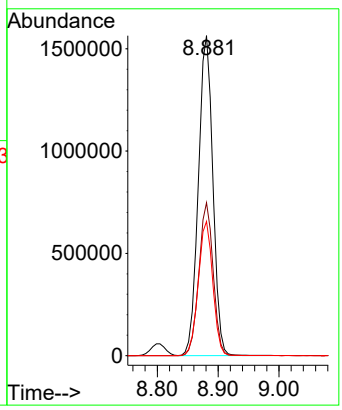


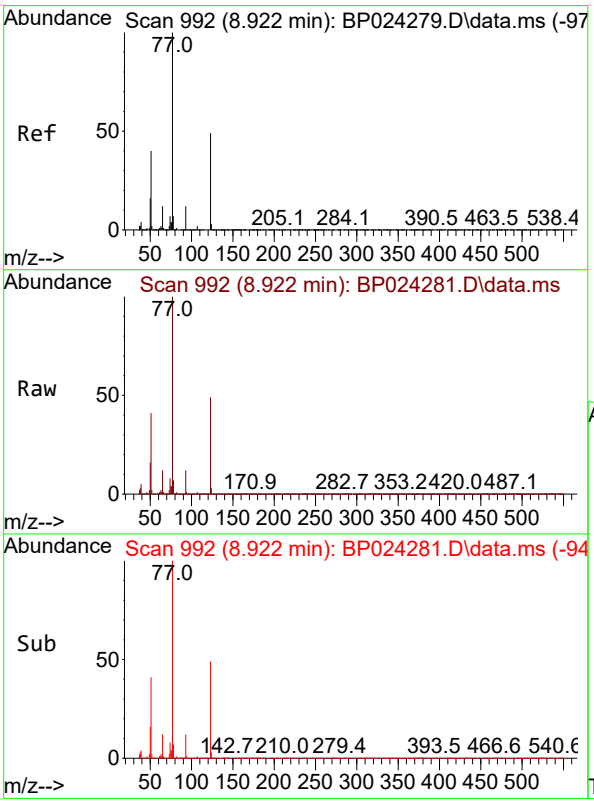
#23
Nitrobenzene-d5
Concen: 121.729 ng
RT: 8.881 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 2579126

Ion	Ratio	Lower	Upper
82	100		
128	47.8	36.5	54.7
54	41.9	33.4	50.2

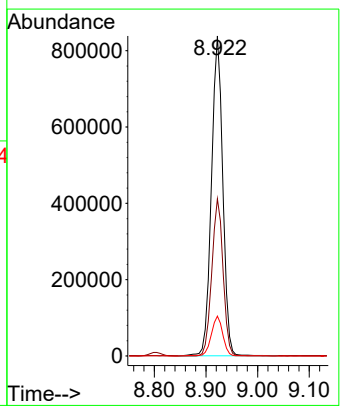


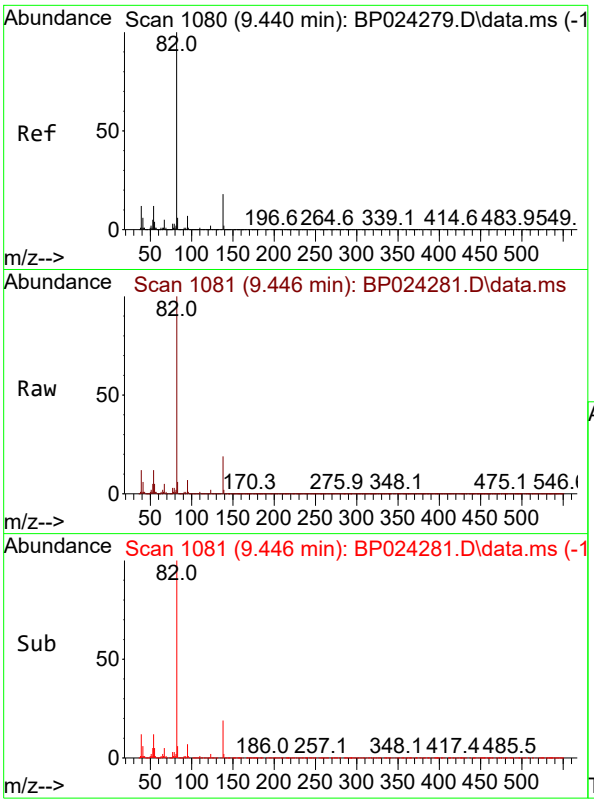


#24
Nitrobenzene
Concen: 60.775 ng
RT: 8.922 min Scan# 992
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion: 77 Resp: 1276229

Ion	Ratio	Lower	Upper
77	100		
123	49.1	39.2	58.8
65	12.4	9.8	14.6



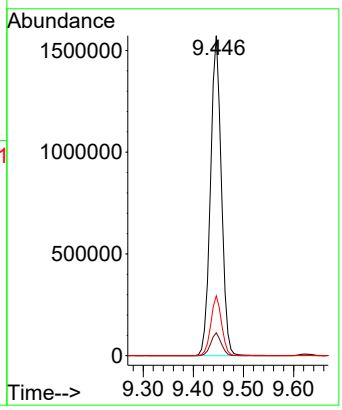


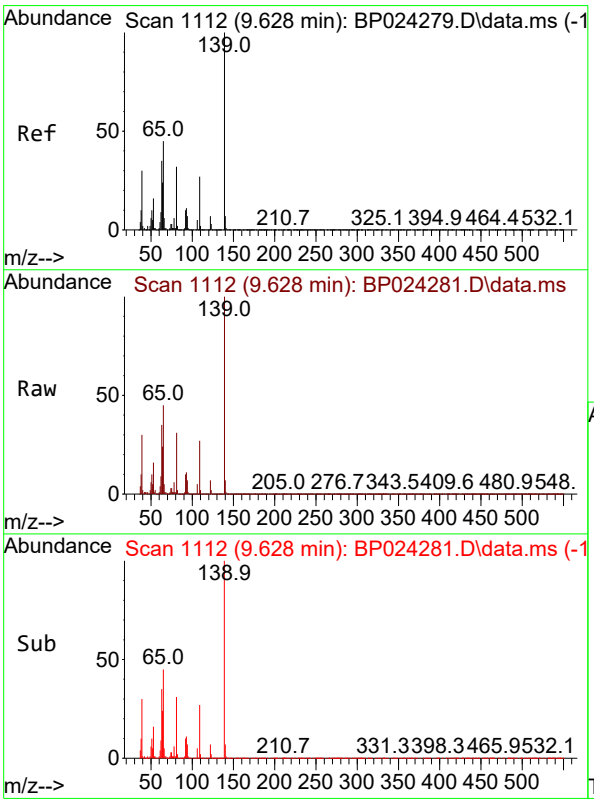
#25
Isophorone
Concen: 61.842 ng
RT: 9.446 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 2365423

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.4	8.2
138	18.7	14.4	21.6

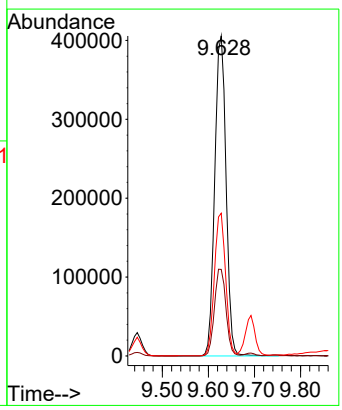


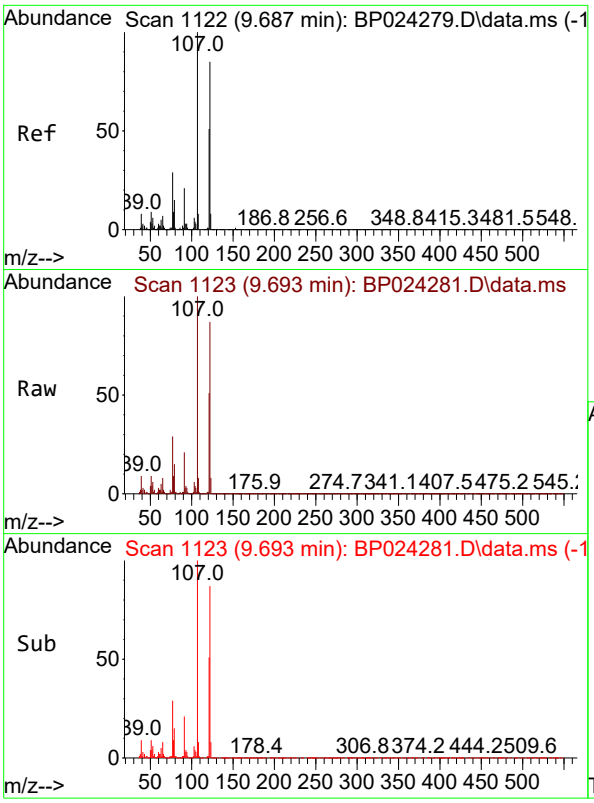


#26
2-Nitrophenol
Concen: 68.504 ng
RT: 9.628 min Scan# 1112
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:139 Resp: 690735

Ion	Ratio	Lower	Upper
139	100		
109	27.1	21.8	32.6
65	44.6	36.2	54.2



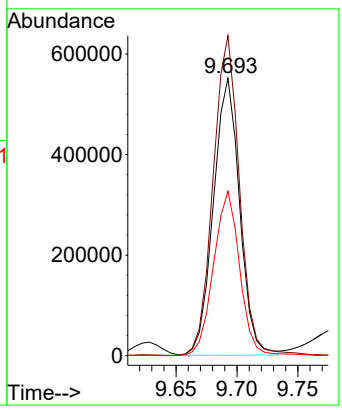


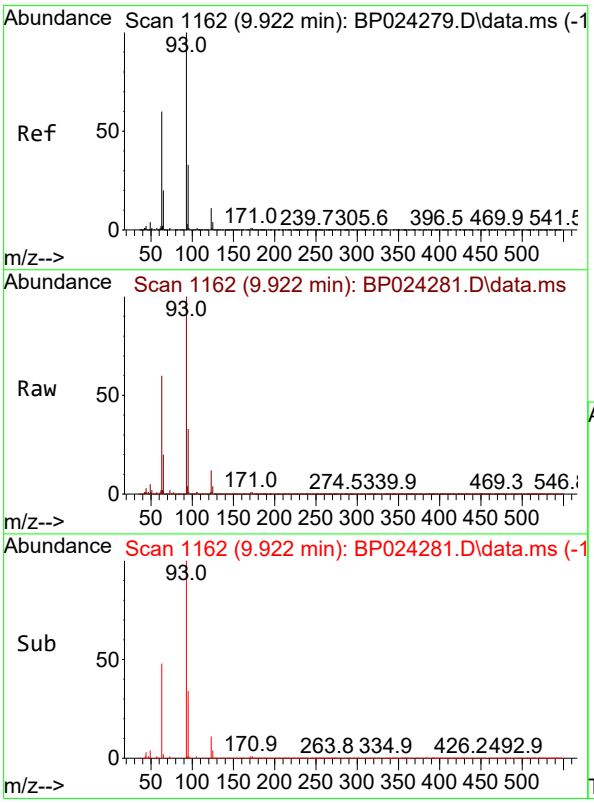
#27
2,4-Dimethylphenol
Concen: 64.660 ng
RT: 9.693 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 826335

Ion	Ratio	Lower	Upper
122	100		
107	115.3	93.7	140.5
121	59.3	48.2	72.2

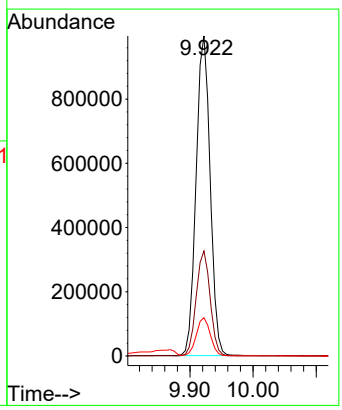


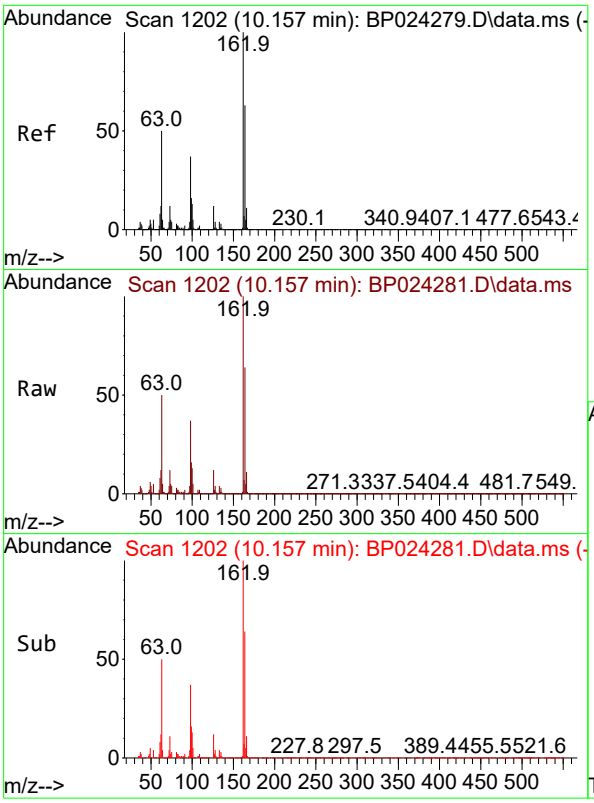


#28
bis(2-Chloroethoxy)methane
Concen: 59.124 ng
RT: 9.922 min Scan# 1162
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion: 93 Resp: 1539129

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.0	39.0
123	11.9	9.1	13.7



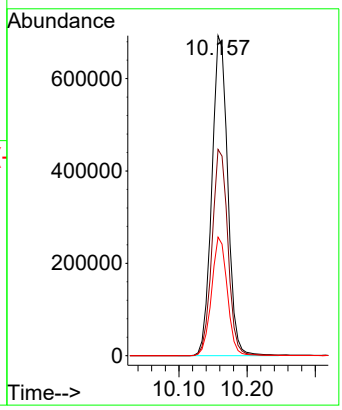


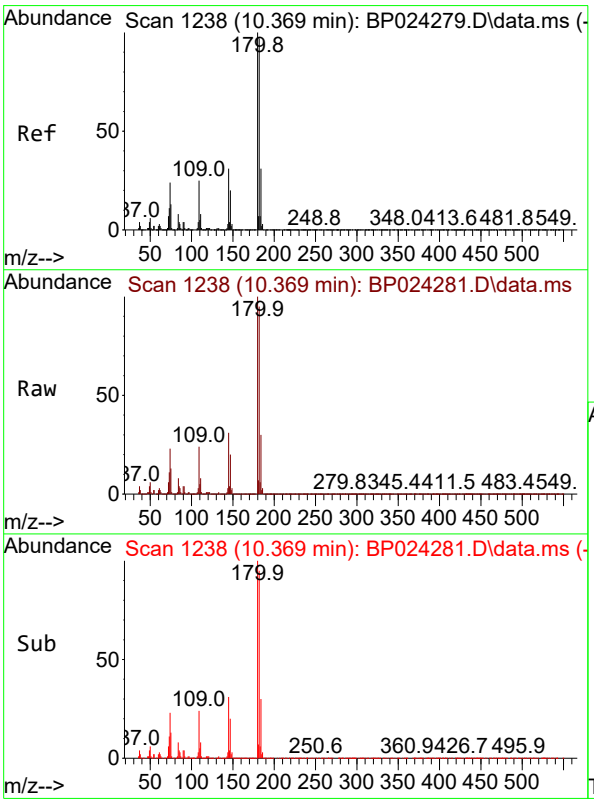
#29
2,4-Dichlorophenol
Concen: 64.543 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 1124170

Ion	Ratio	Lower	Upper
162	100		
164	64.5	43.3	83.3
98	37.0	16.6	56.6

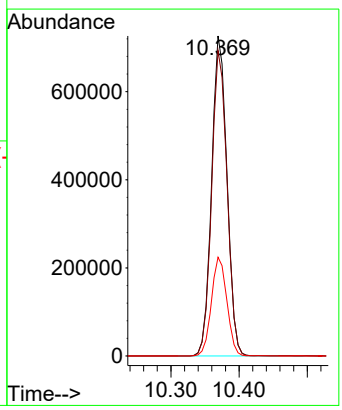


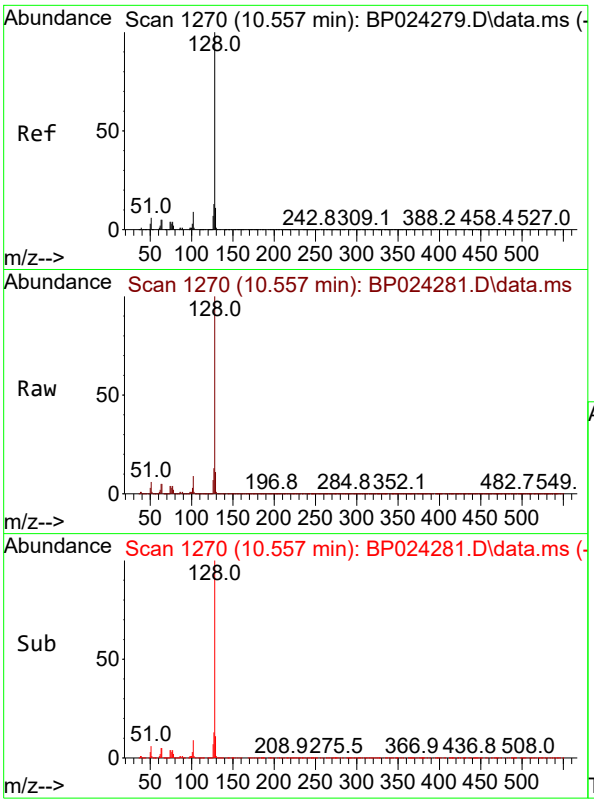


#30
1,2,4-Trichlorobenzene
Concen: 60.440 ng
RT: 10.369 min Scan# 1238
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:180 Resp: 1138896

Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.3	115.9
145	30.8	25.1	37.7



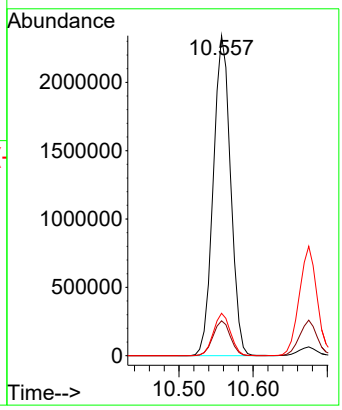


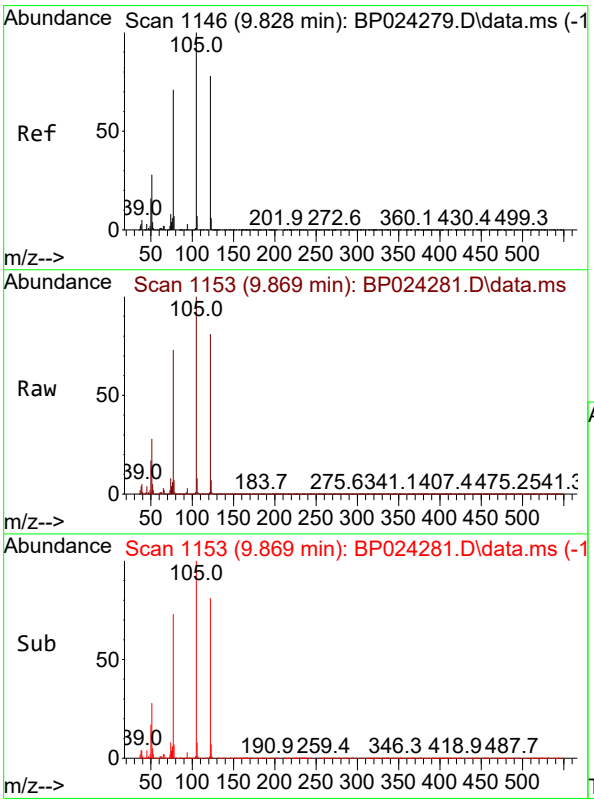
#31
Naphthalene
Concen: 59.373 ng
RT: 10.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 3790924

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	13.2	10.3	15.5

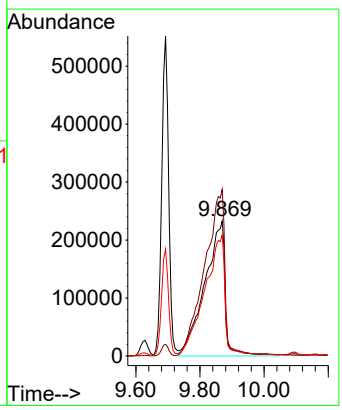


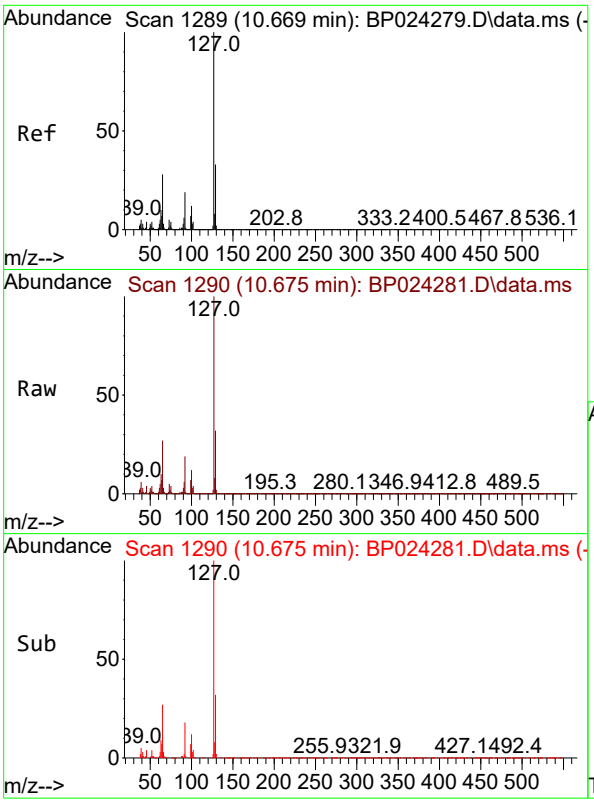


#32
Benzoic acid
Concen: 74.795 ng m
RT: 9.869 min Scan# 1153
Delta R.T. 0.041 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:122 Resp: 1032910

Ion	Ratio	Lower	Upper
122	100		
105	123.4	104.8	144.8
77	89.7	69.2	109.2



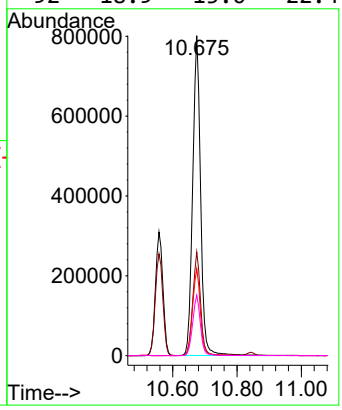


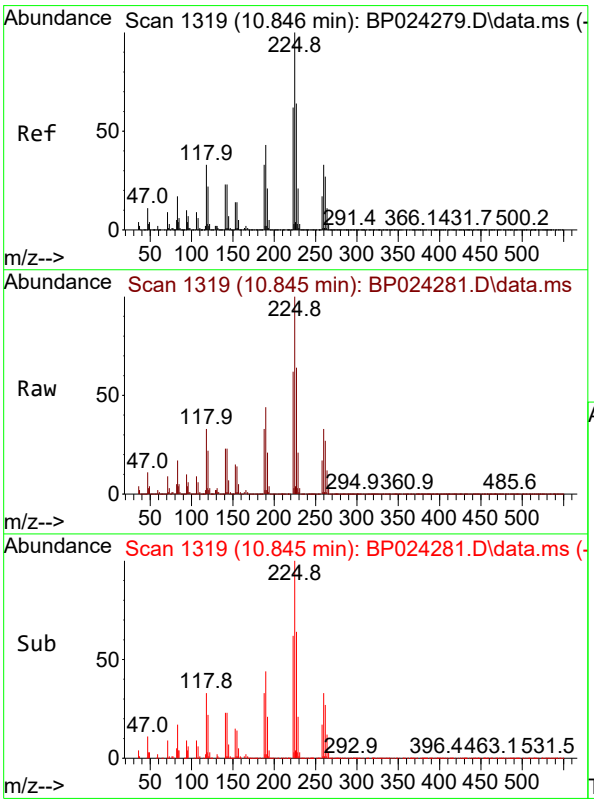
#33
4-Chloroaniline
Concen: 61.527 ng
RT: 10.675 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 1372601

Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.1	39.1
65	27.2	22.1	33.1
92	18.9	15.0	22.4

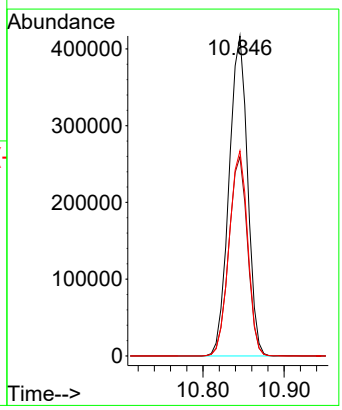


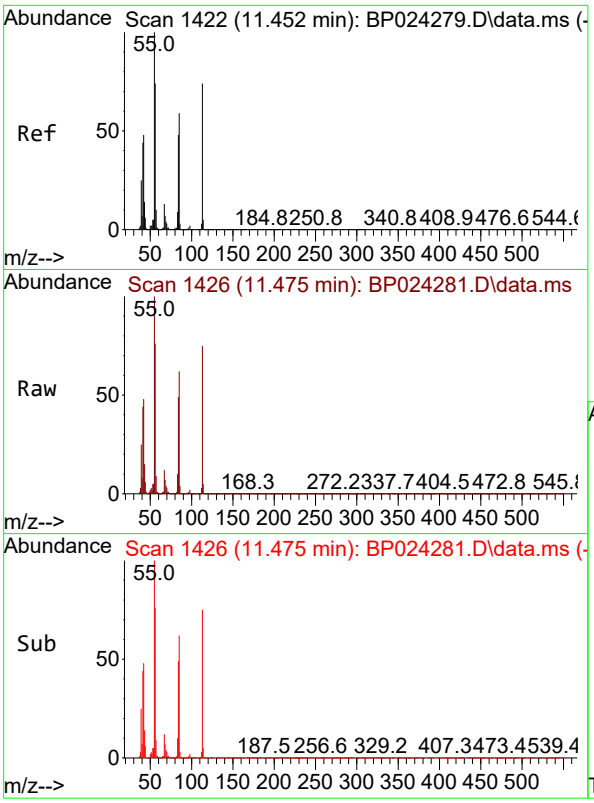


#34
Hexachlorobutadiene
Concen: 59.719 ng
RT: 10.845 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:225 Resp: 660129

Ion	Ratio	Lower	Upper
225	100		
223	62.2	49.5	74.3
227	64.1	50.9	76.3



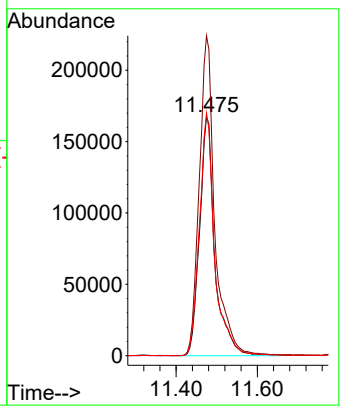


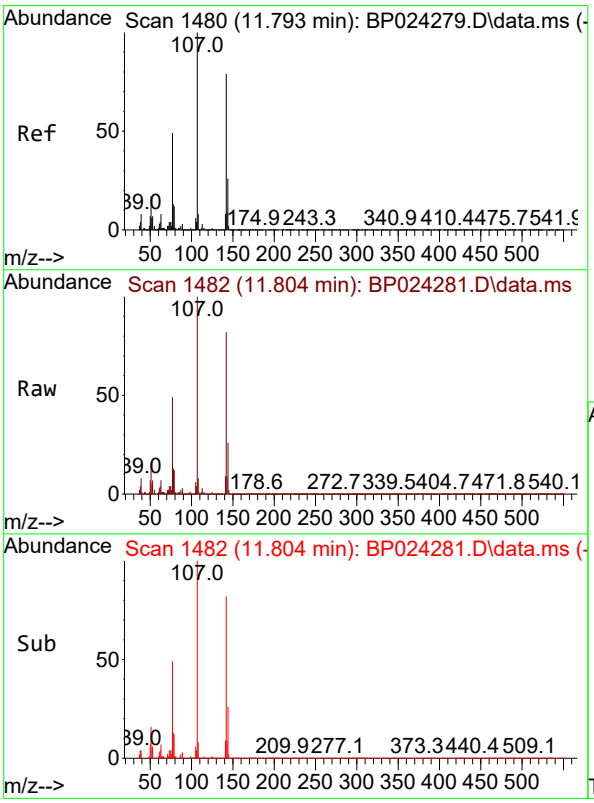
#35
Caprolactam
Concen: 68.445 ng
RT: 11.475 min Scan# 14
Delta R.T. 0.023 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 437691

Ion	Ratio	Lower	Upper
113	100		
55	134.0	115.9	155.9
56	101.6	81.1	121.1

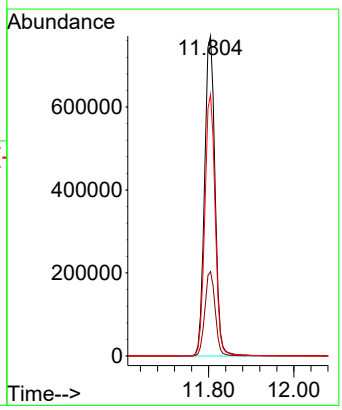


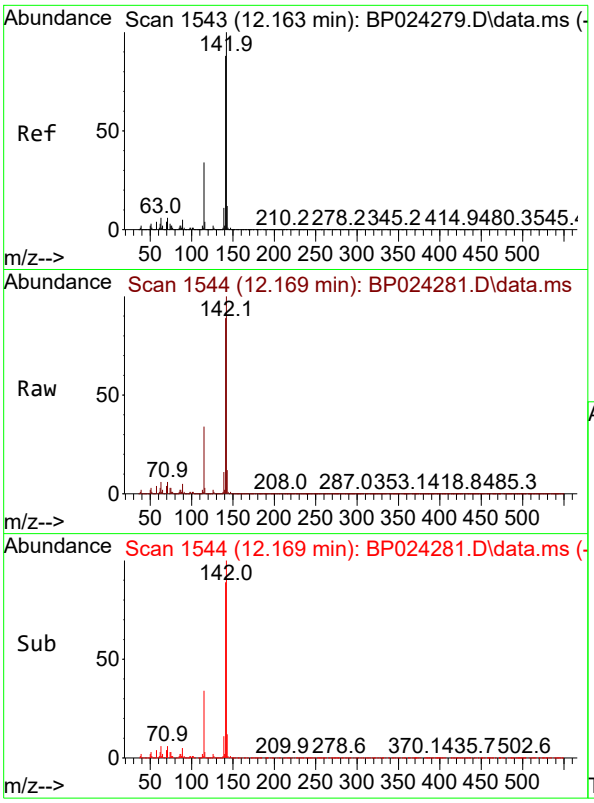


#36
4-Chloro-3-methylphenol
Concen: 64.762 ng
RT: 11.804 min Scan# 1482
Delta R.T. 0.012 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:107 Resp: 1314421

Ion	Ratio	Lower	Upper
107	100		
144	26.3	20.5	30.7
142	81.7	63.4	95.2



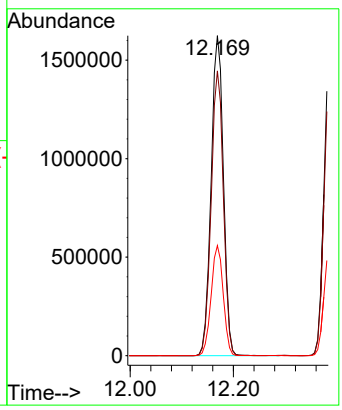


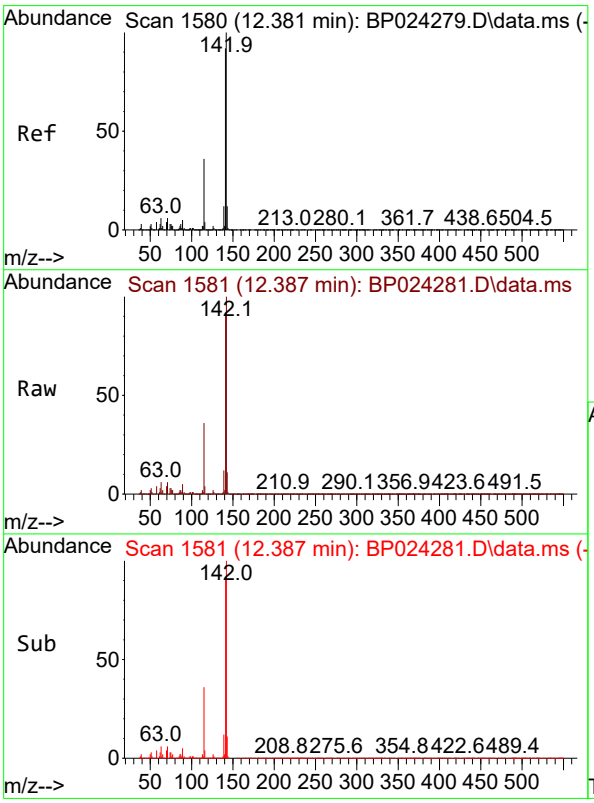
#37
2-Methylnaphthalene
Concen: 60.487 ng
RT: 12.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 2676555

Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.3	105.5
115	34.4	26.9	40.3

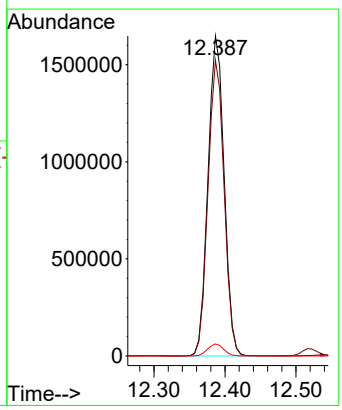


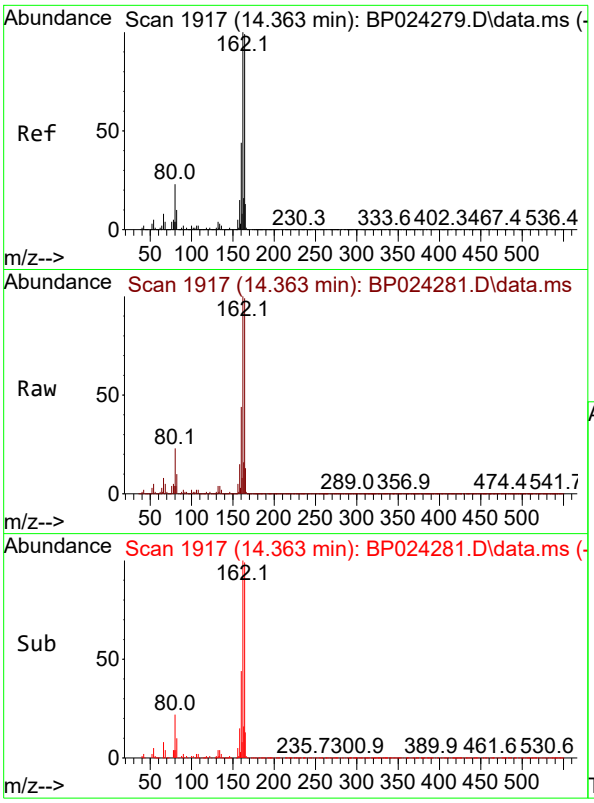


#38
1-Methylnaphthalene
Concen: 59.960 ng
RT: 12.387 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:142 Resp: 2599119

Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.6	110.4
116	3.7	3.0	4.6



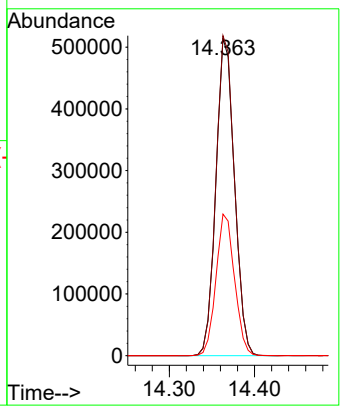


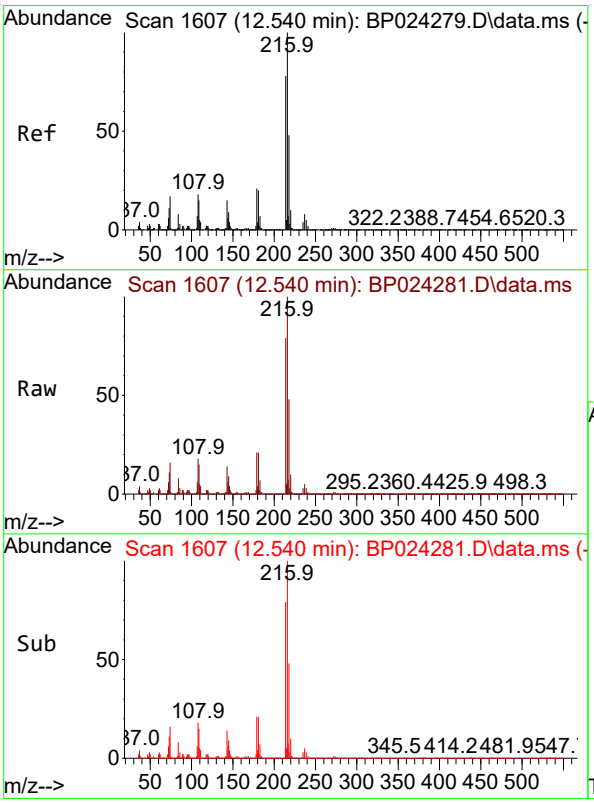
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.363 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 777459

Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.6	120.8
160	44.6	35.3	52.9

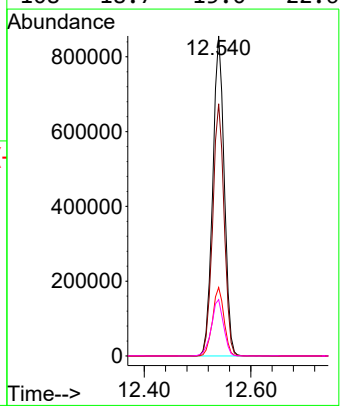


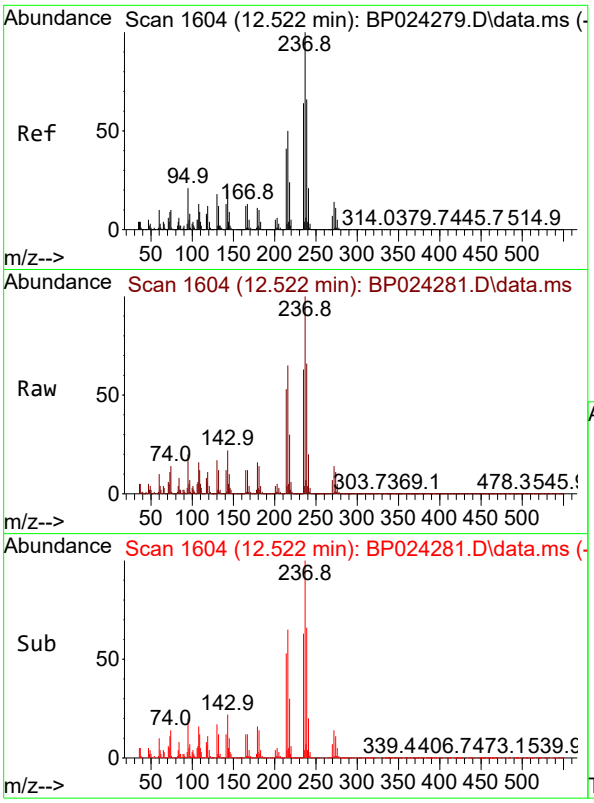


#40
1,2,4,5-Tetrachlorobenzene
Concen: 59.981 ng
RT: 12.540 min Scan# 1607
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:216 Resp: 1281552

Ion	Ratio	Lower	Upper
216	100		
214	78.7	62.6	93.8
179	21.4	17.2	25.8
108	18.7	15.0	22.6



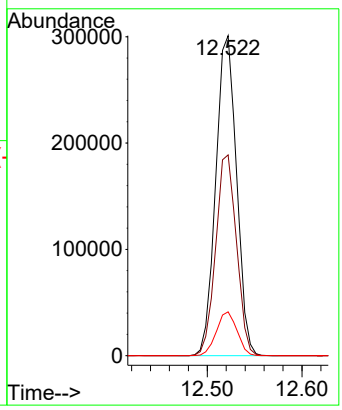


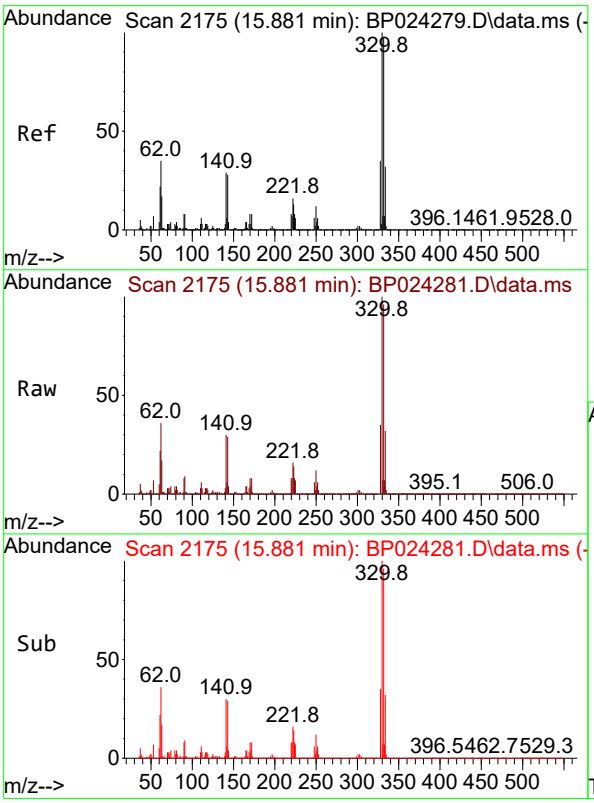
#41
Hexachlorocyclopentadiene
Concen: 61.257 ng
RT: 12.522 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 459486

Ion	Ratio	Lower	Upper
237	100		
235	62.7	43.9	83.9
272	13.7	0.0	33.6

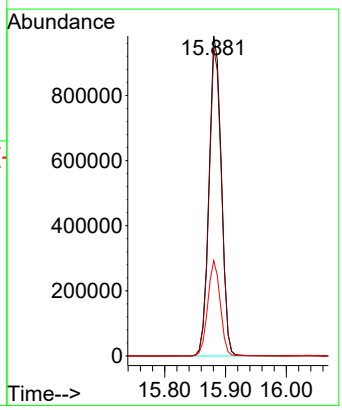


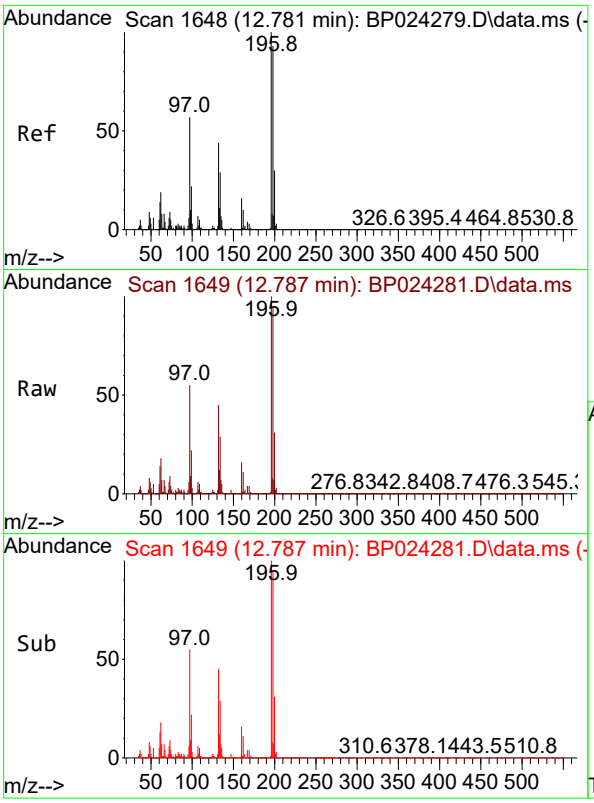


#42
2,4,6-Tribromophenol
Concen: 129.818 ng
RT: 15.881 min Scan# 2175
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:330 Resp: 1382037

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.1	115.7
141	30.0	24.7	37.1



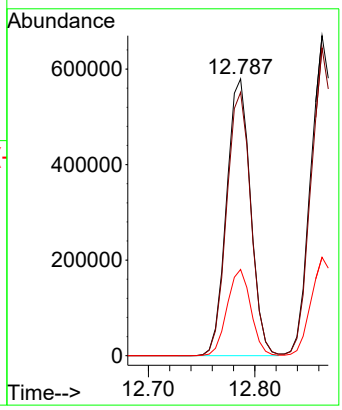


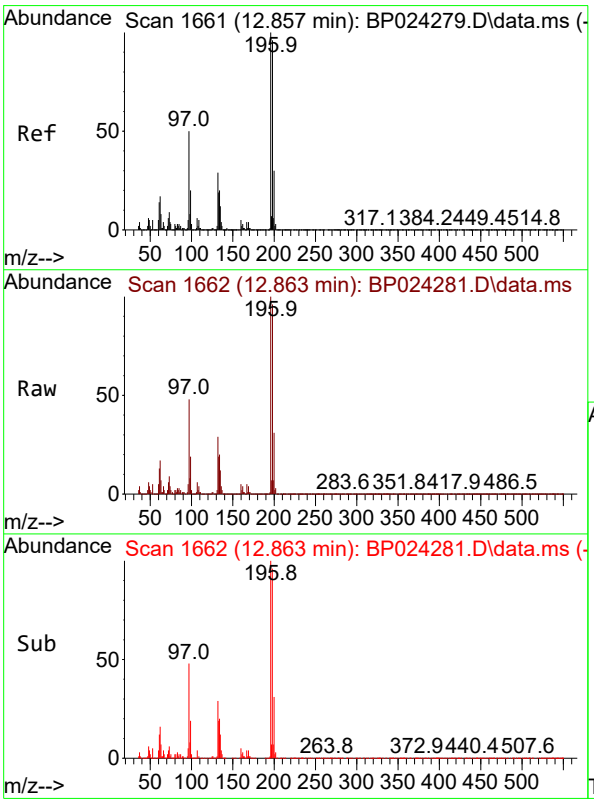
#43
2,4,6-Trichlorophenol
Concen: 64.732 ng
RT: 12.787 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 909999

Ion	Ratio	Lower	Upper
196	100		
198	95.1	74.3	111.5
200	31.2	24.0	36.0

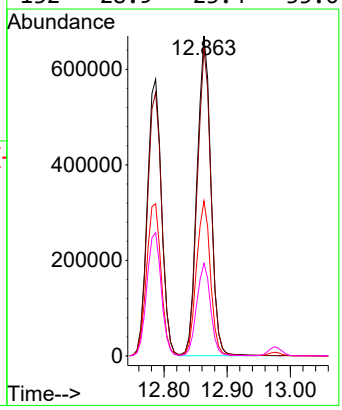


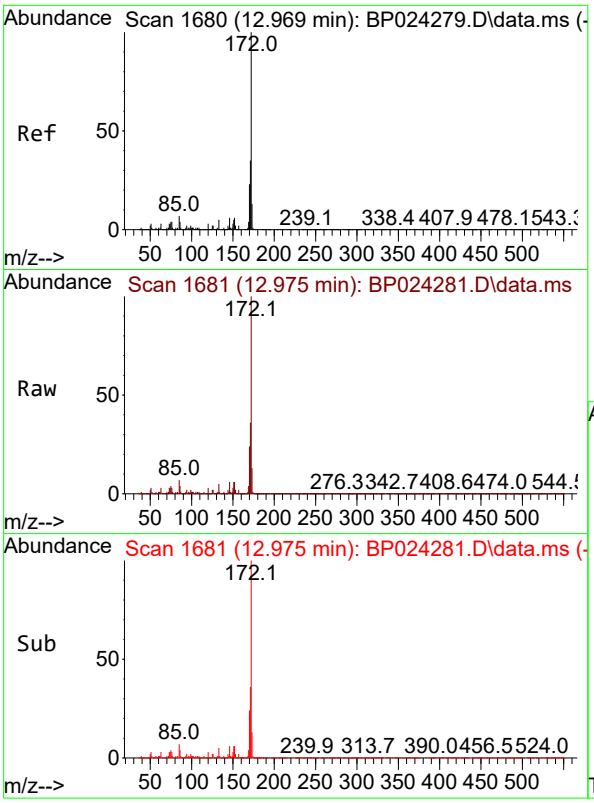


#44
2,4,5-Trichlorophenol
Concen: 65.306 ng
RT: 12.863 min Scan# 1662
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:196 Resp: 1017414

Ion	Ratio	Lower	Upper
196	100		
198	96.2	77.3	115.9
97	48.5	40.4	60.6
132	28.9	23.4	35.0



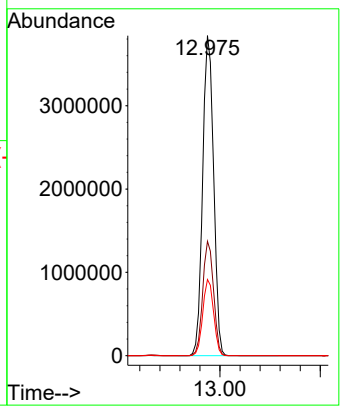


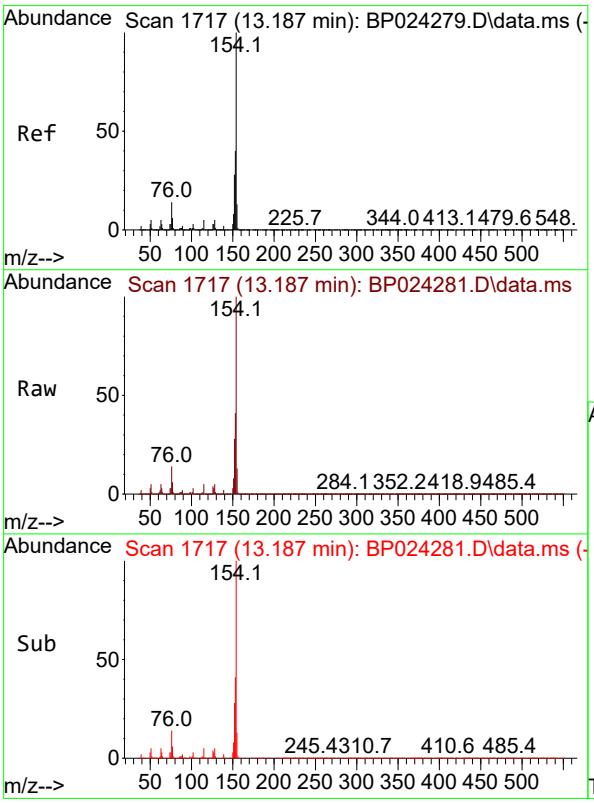
#45
2-Fluorobiphenyl
Concen: 113.964 ng
RT: 12.975 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 5835791

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.2	42.2
170	23.8	18.6	27.8

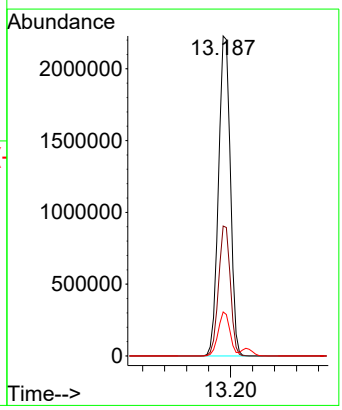


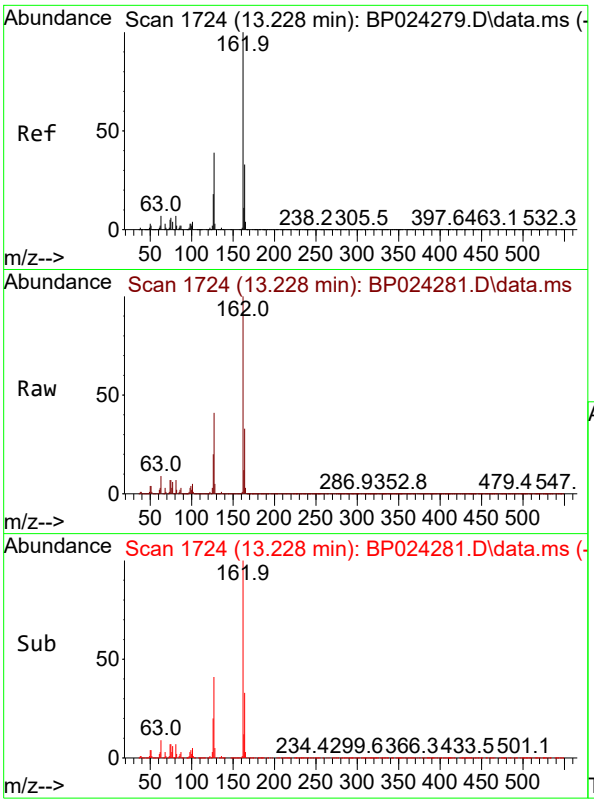


#46
1,1'-Biphenyl
Concen: 58.001 ng
RT: 13.187 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:154 Resp: 3330176

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.3	60.3
76	13.8	0.0	33.5



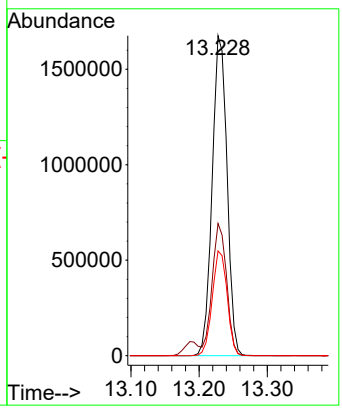


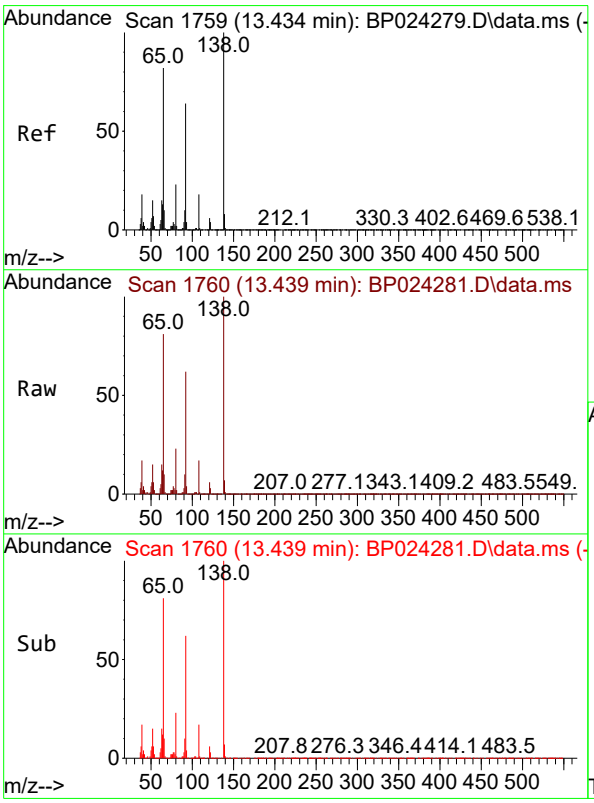
#47
2-Chloronaphthalene
Concen: 59.336 ng
RT: 13.228 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 2542212

Ion	Ratio	Lower	Upper
162	100		
127	41.3	31.9	47.9
164	32.8	26.2	39.4

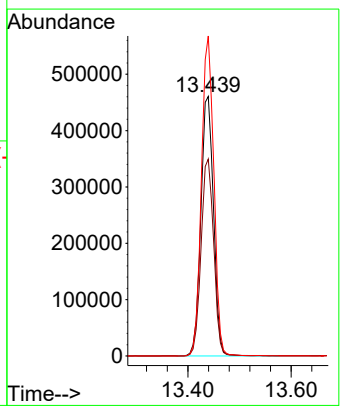


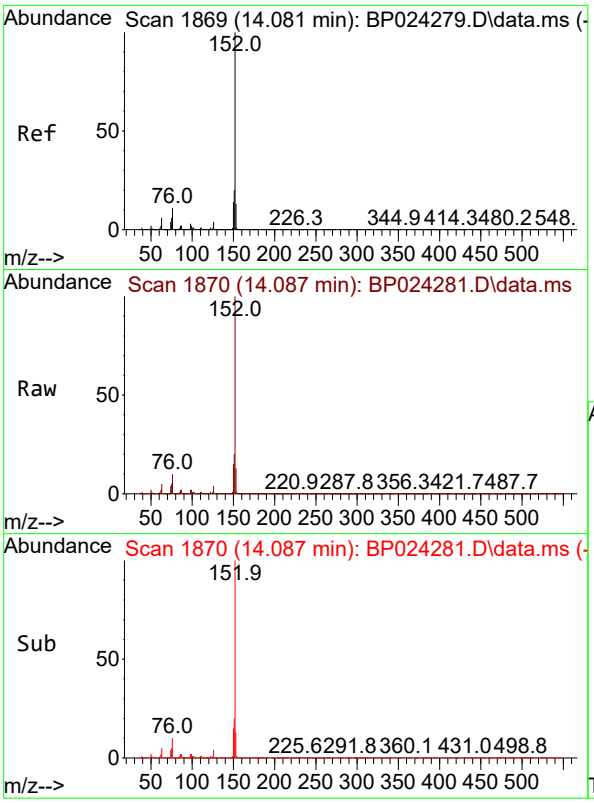


#48
2-Nitroaniline
Concen: 66.042 ng
RT: 13.439 min Scan# 1760
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion: 65 Resp: 781584

Ion	Ratio	Lower	Upper
65	100		
92	75.9	62.3	93.5
138	123.3	97.2	145.8



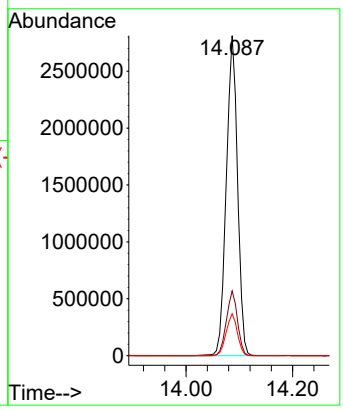


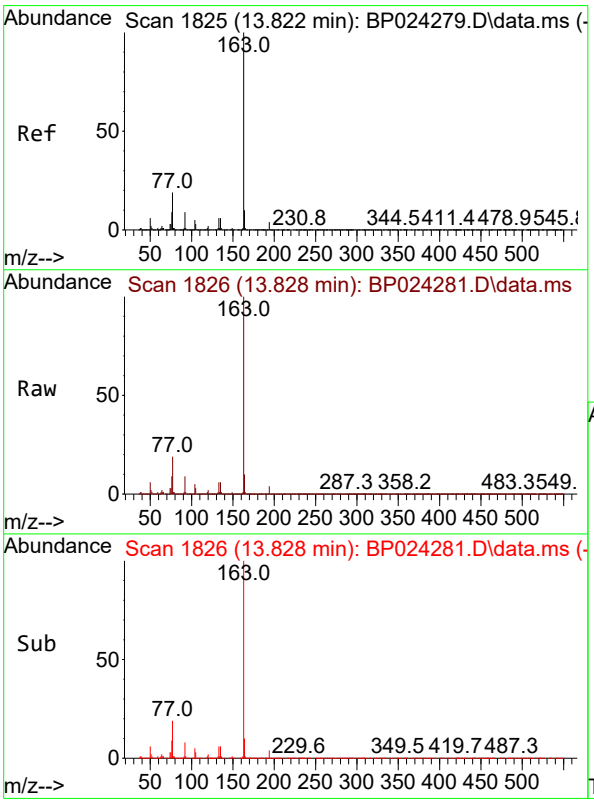
#49
Acenaphthylene
Concen: 61.143 ng
RT: 14.087 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 4111553

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.9	23.9
153	13.1	10.6	15.8

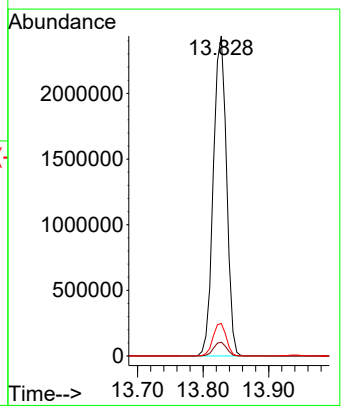


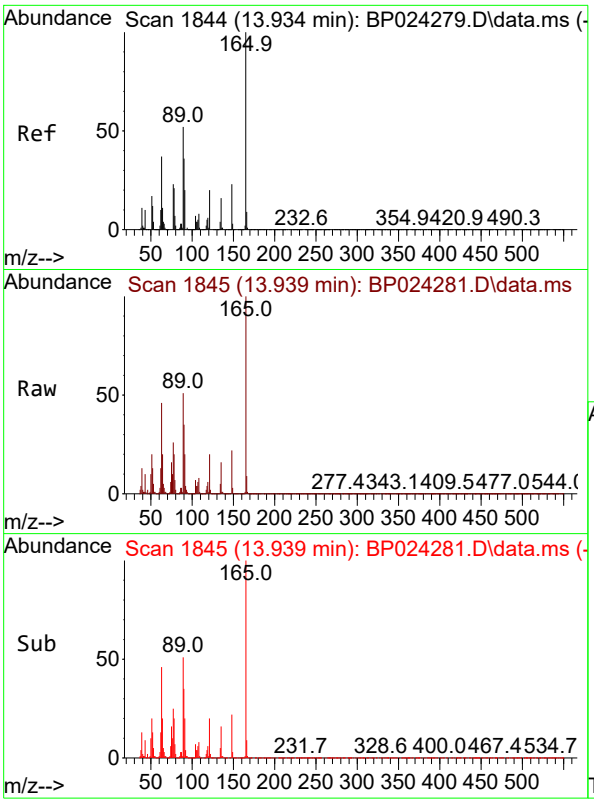


#50
Dimethylphthalate
Concen: 60.022 ng
RT: 13.828 min Scan# 1826
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:163 Resp: 3404463

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.1	8.0	12.0



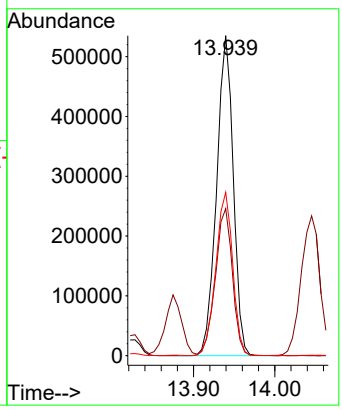


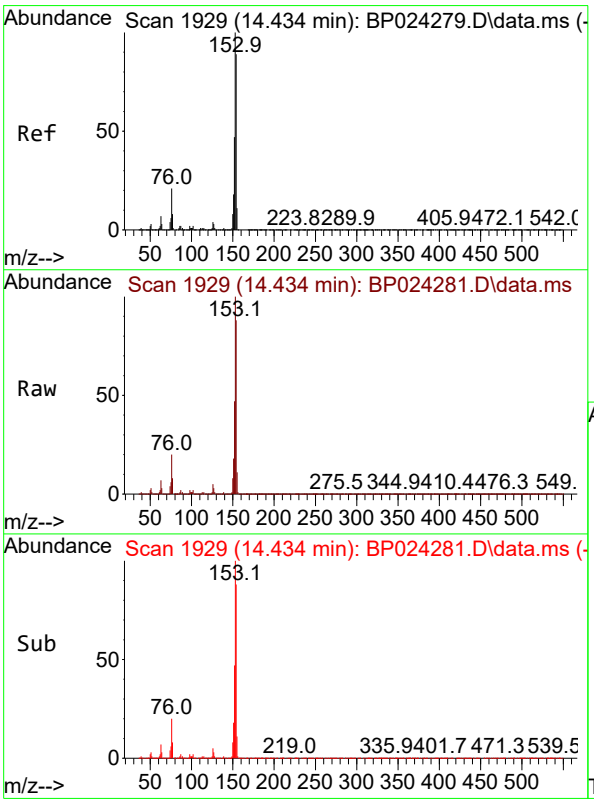
#51
2,6-Dinitrotoluene
Concen: 63.998 ng
RT: 13.939 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 764810

Ion	Ratio	Lower	Upper
165	100		
63	45.9	38.0	57.0
89	51.1	41.7	62.5

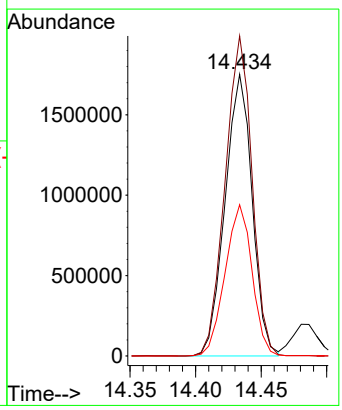


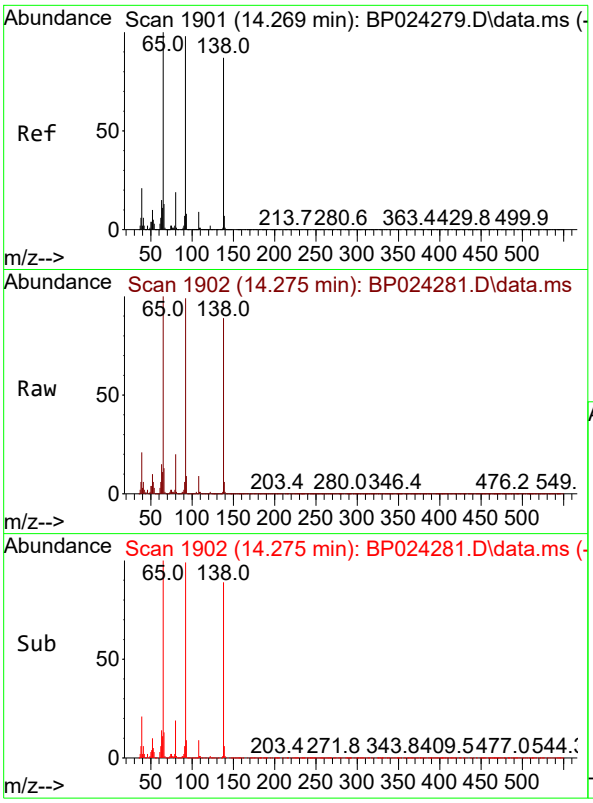


#52
Acenaphthene
Concen: 58.858 ng
RT: 14.434 min Scan# 1929
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:154 Resp: 2516981

Ion	Ratio	Lower	Upper
154	100		
153	113.6	89.8	134.6
152	53.7	42.6	63.8



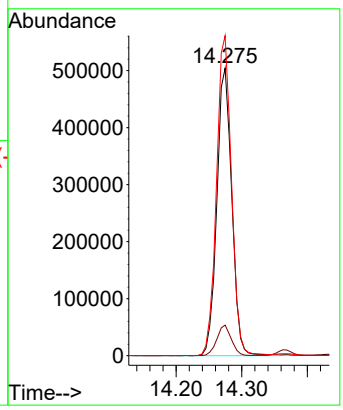


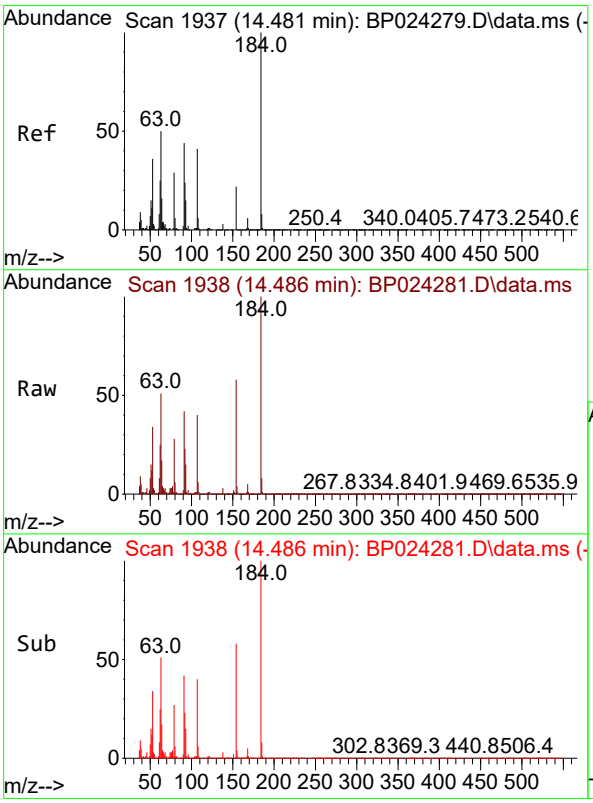
#53
3-Nitroaniline
Concen: 64.022 ng
RT: 14.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 793796

Ion	Ratio	Lower	Upper
138	100		
108	10.7	8.3	12.5
92	111.3	89.8	134.8

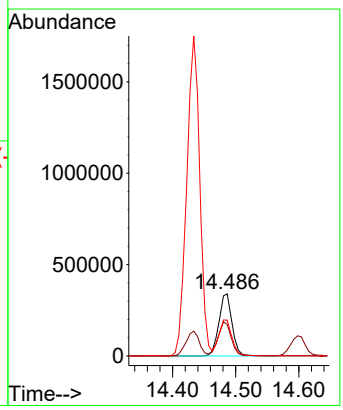


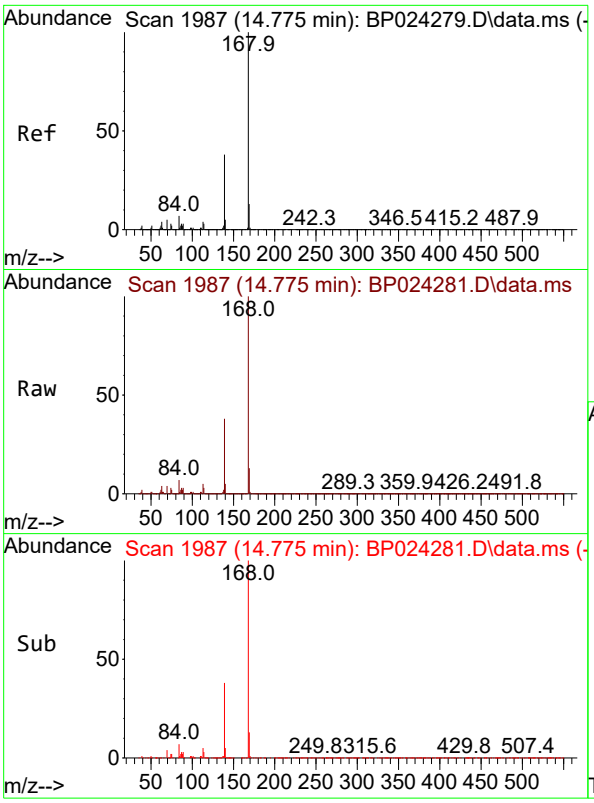


#54
2,4-Dinitrophenol
Concen: 76.655 ng
RT: 14.486 min Scan# 1938
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:184 Resp: 490497

Ion	Ratio	Lower	Upper
184	100		
63	50.8	42.6	64.0
154	57.7	47.2	70.8



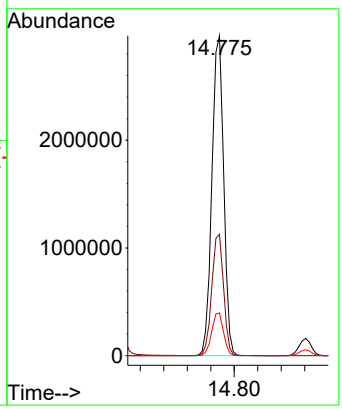


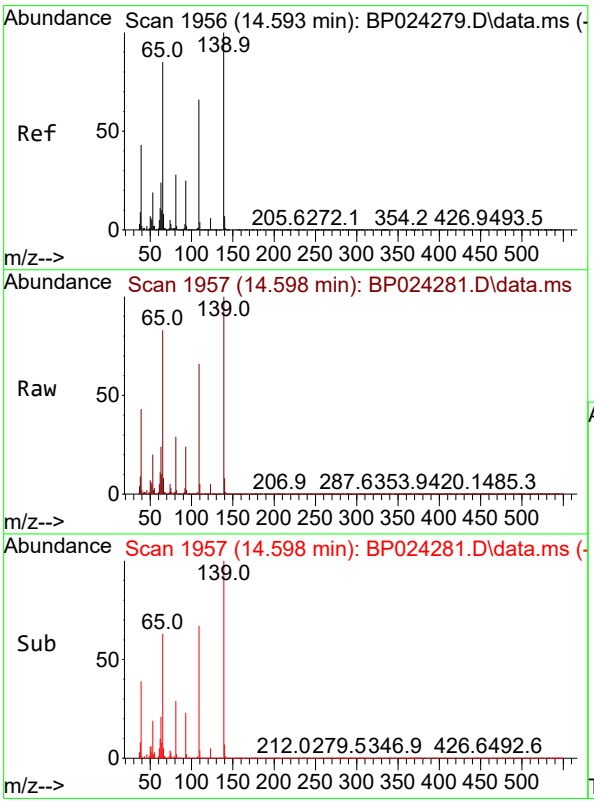
#55
Dibenzofuran
Concen: 58.810 ng
RT: 14.775 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 4124640

Ion	Ratio	Lower	Upper
168	100		
139	37.9	30.3	45.5
169	13.3	10.6	16.0

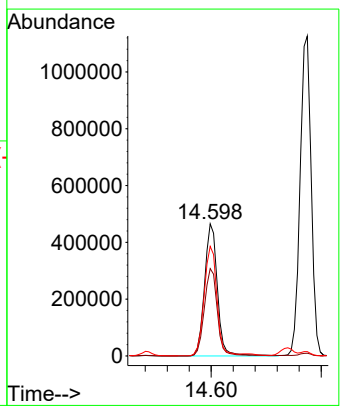


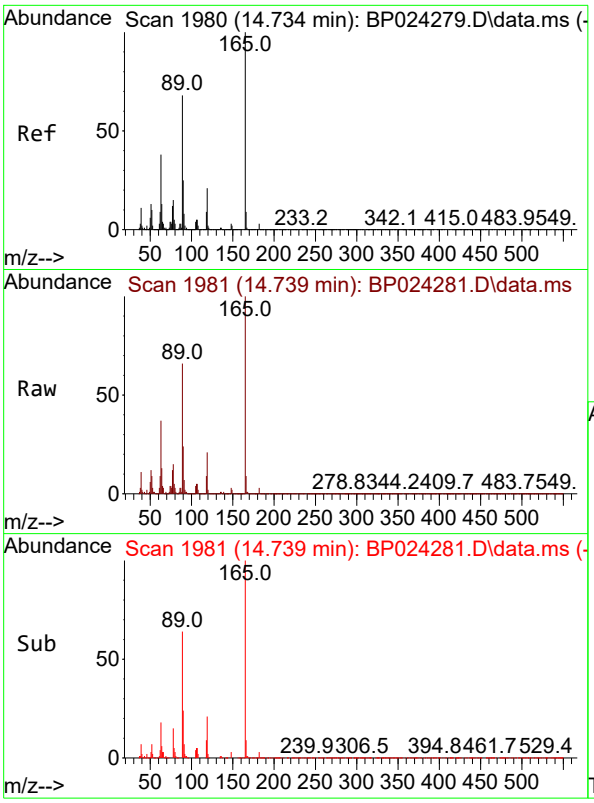


#56
4-Nitrophenol
Concen: 70.748 ng
RT: 14.598 min Scan# 1957
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:139 Resp: 754038

Ion	Ratio	Lower	Upper
139	100		
109	66.1	46.1	86.1
65	82.9	65.0	105.0



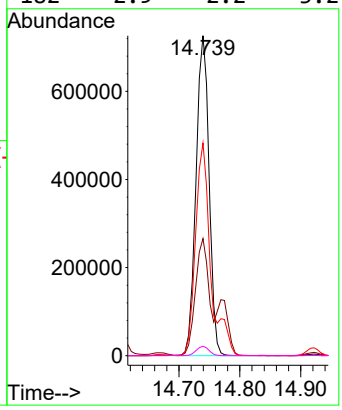


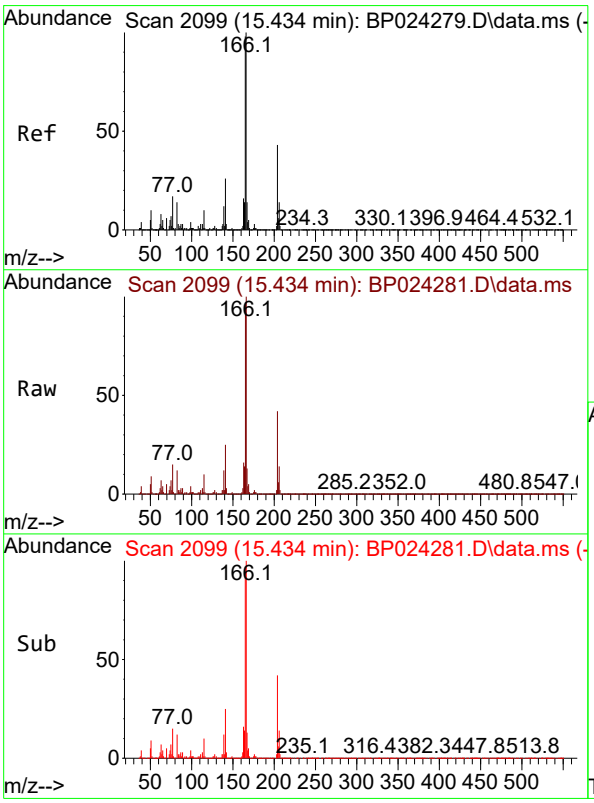
#57
2,4-Dinitrotoluene
Concen: 66.836 ng
RT: 14.739 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 1079633

Ion	Ratio	Lower	Upper
165	100		
63	36.6	30.4	45.6
89	66.4	54.6	82.0
182	2.9	2.2	3.2

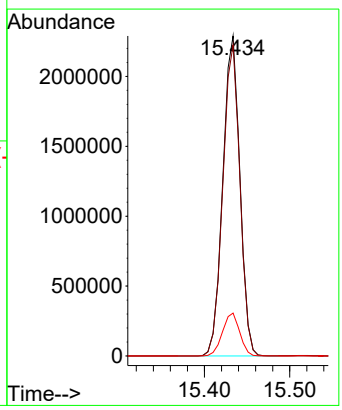


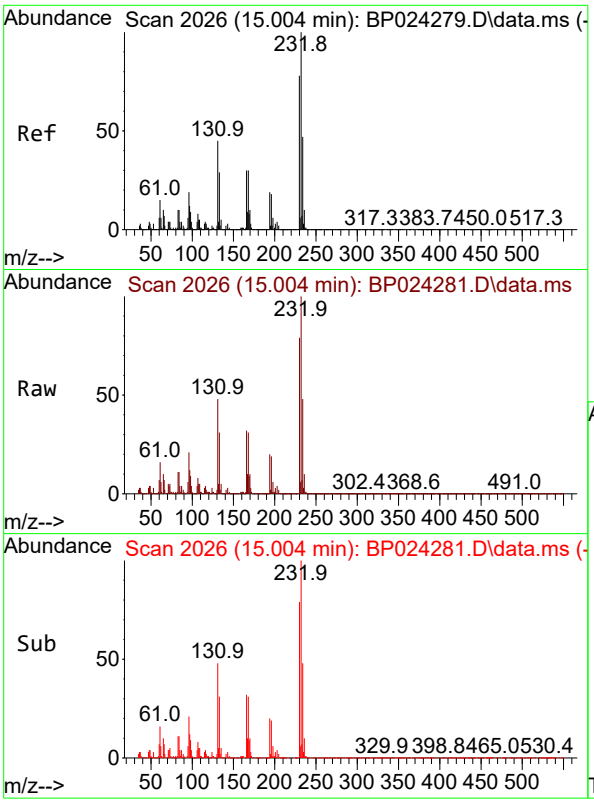


#58
Fluorene
Concen: 58.817 ng
RT: 15.434 min Scan# 2099
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:166 Resp: 3184960

Ion	Ratio	Lower	Upper
166	100		
165	97.2	78.1	117.1
167	13.4	10.9	16.3



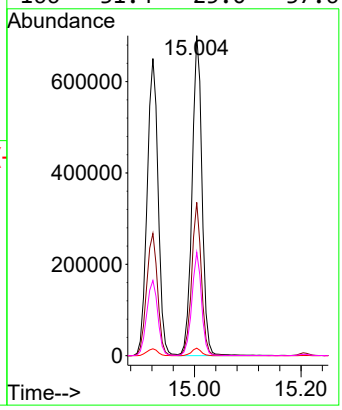


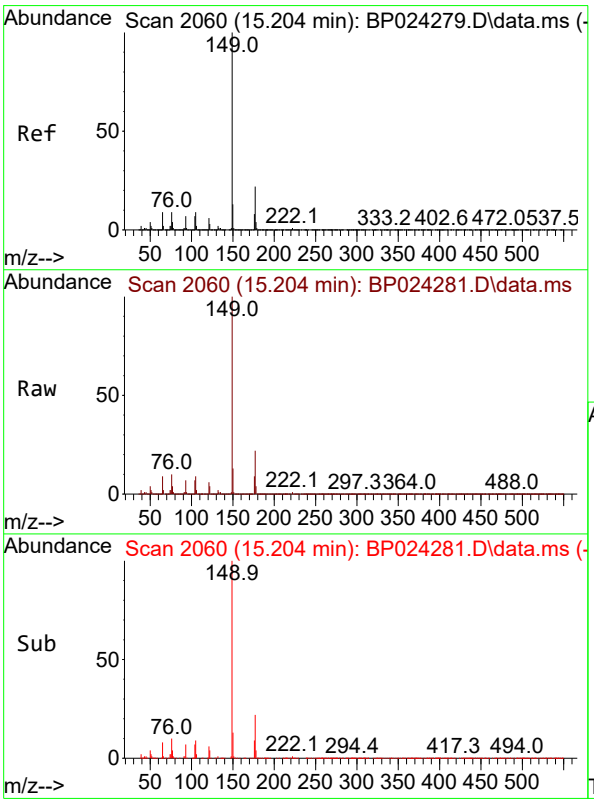
#59
2,3,4,6-Tetrachlorophenol
Concen: 63.097 ng
RT: 15.004 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 909497

Ion	Ratio	Lower	Upper
232	100		
131	46.4	36.8	55.2
130	2.3	1.9	2.9
166	31.4	25.0	37.6

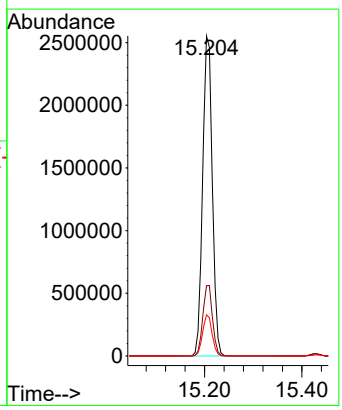


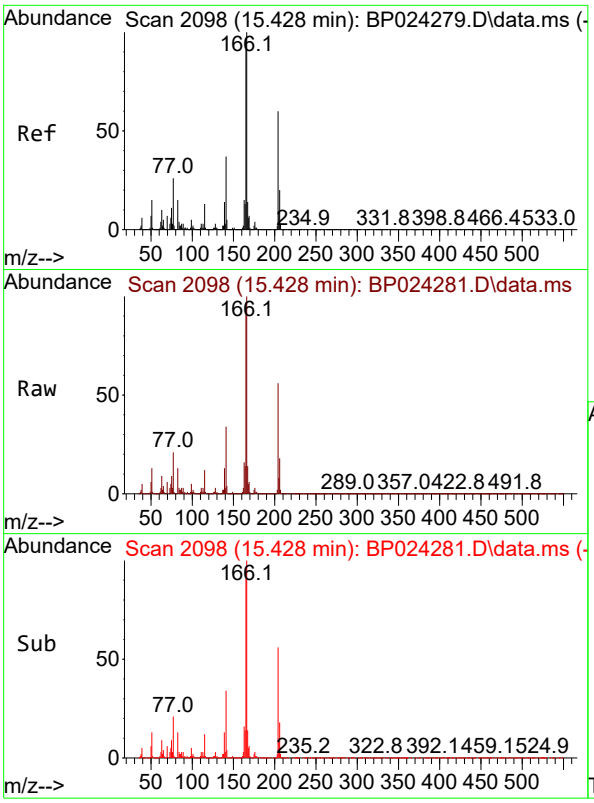


#60
Diethylphthalate
Concen: 59.879 ng
RT: 15.204 min Scan# 2060
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:149 Resp: 3495577

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.4	26.2
150	12.9	10.1	15.1



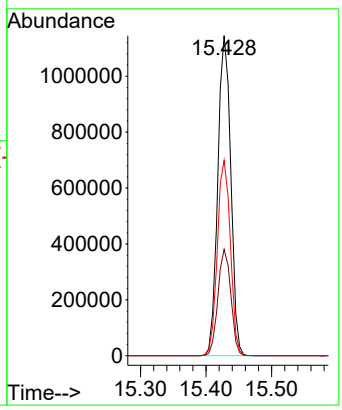


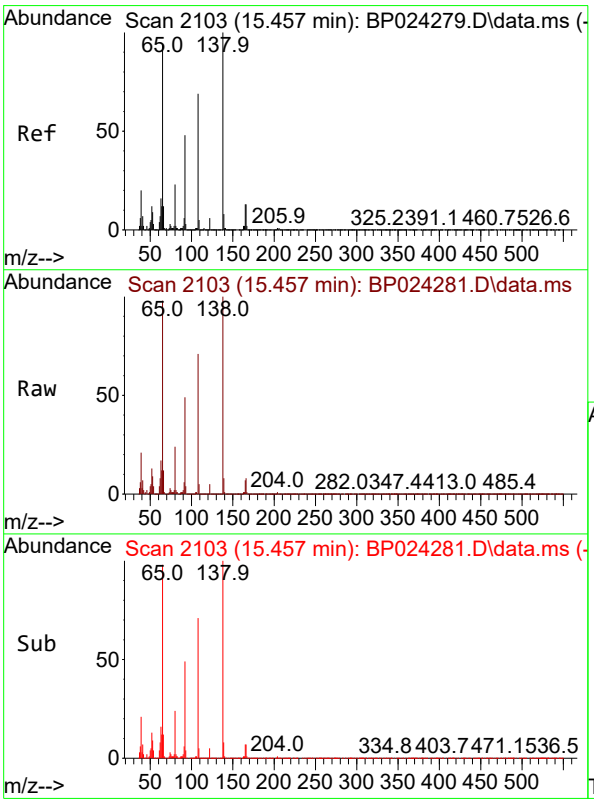
#61
4-Chlorophenyl-phenylether
Concen: 59.442 ng
RT: 15.428 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 1563042

Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.5	39.7
141	61.1	49.4	74.0

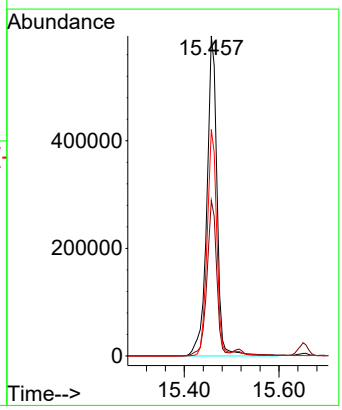


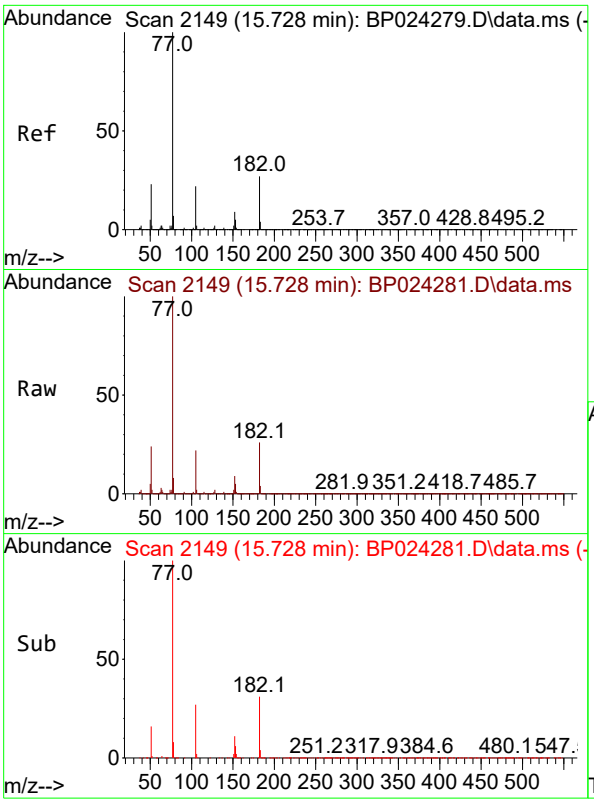


#62
4-Nitroaniline
Concen: 67.414 ng
RT: 15.457 min Scan# 2103
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:138 Resp: 886163

Ion	Ratio	Lower	Upper
138	100		
92	48.6	27.8	67.8
108	70.7	48.9	88.9



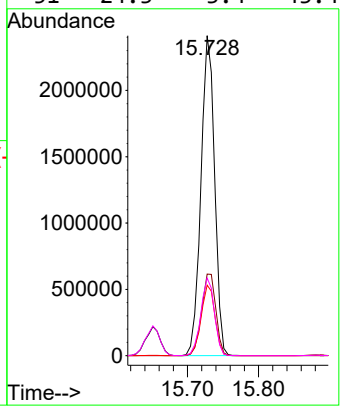


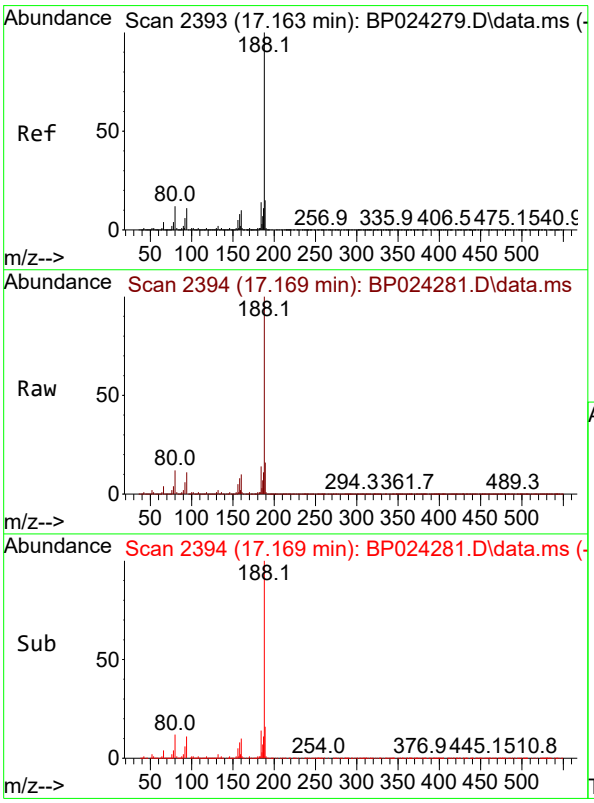
#63
Azobenzene
Concen: 60.070 ng
RT: 15.728 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 3229873

Ion	Ratio	Lower	Upper
77	100		
182	25.5	7.3	47.3
105	22.1	2.3	42.3
51	24.3	3.4	43.4

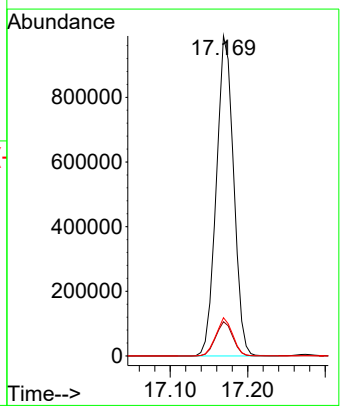


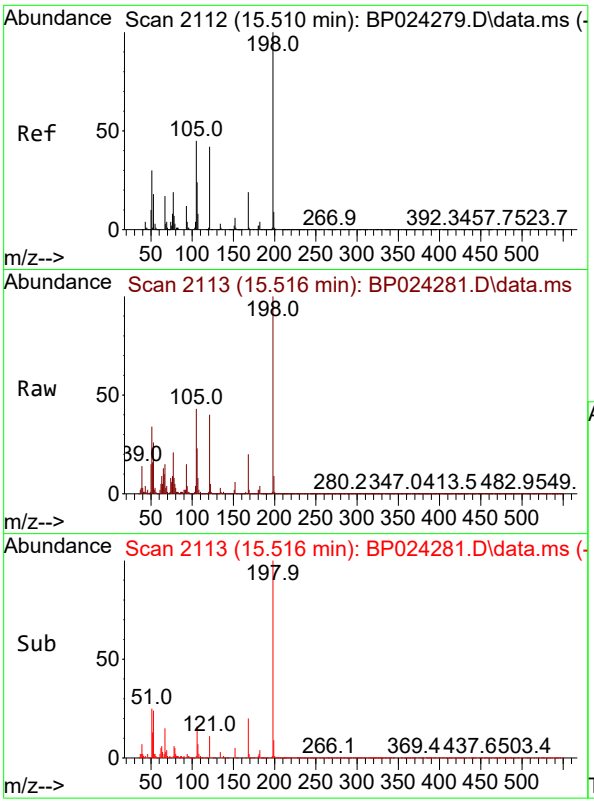


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.169 min Scan# 2394
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:188 Resp: 1536805

Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.6	13.0
80	12.0	9.8	14.6



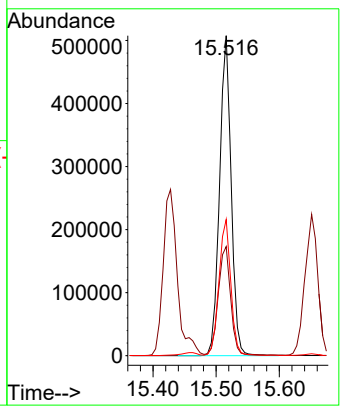


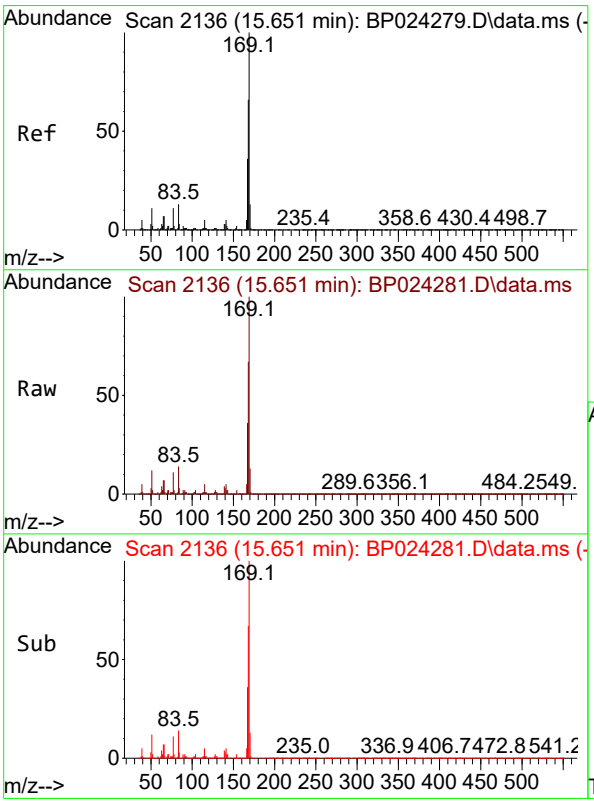
#65
4,6-Dinitro-2-methylphenol
Concen: 72.083 ng
RT: 15.516 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 647253

Ion	Ratio	Lower	Upper
198	100		
51	34.1	18.4	58.4
105	42.6	26.5	66.5

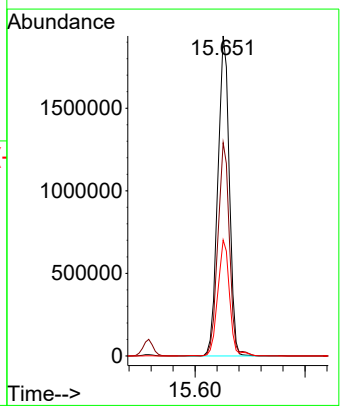


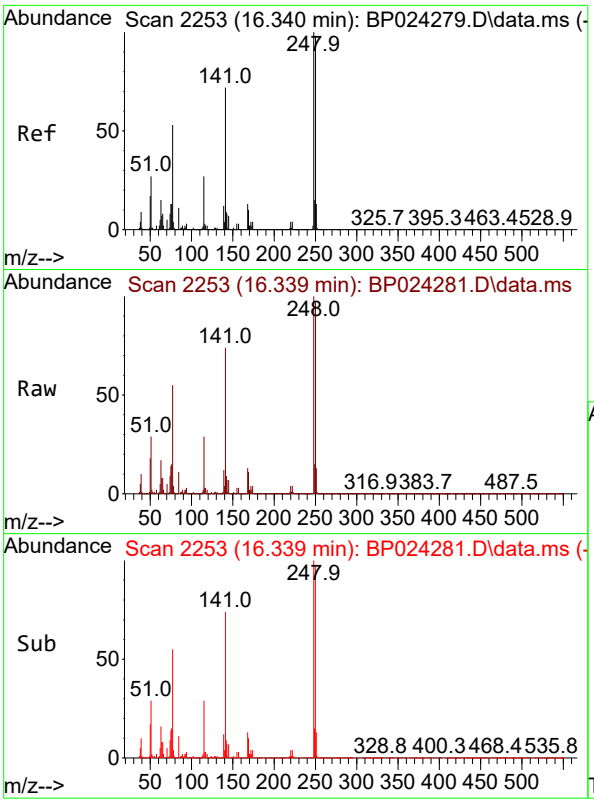


#66
n-Nitrosodiphenylamine
Concen: 60.874 ng
RT: 15.651 min Scan# 2136
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:169 Resp: 2805137

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.0	79.4
167	36.3	28.9	43.3



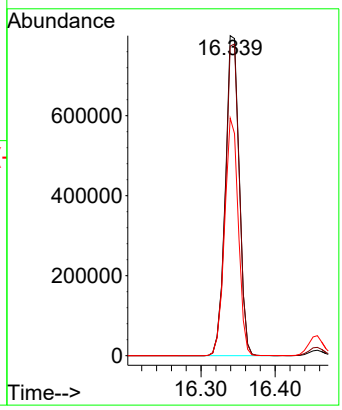


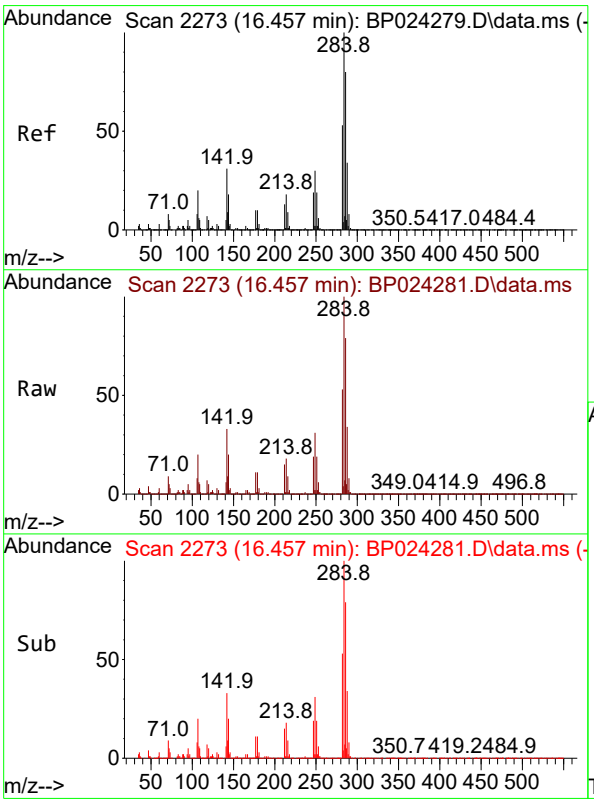
#67
4-Bromophenyl-phenylether
Concen: 61.926 ng
RT: 16.339 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 1038071

Ion	Ratio	Lower	Upper
248	100		
250	96.7	78.2	117.4
141	74.2	57.7	86.5

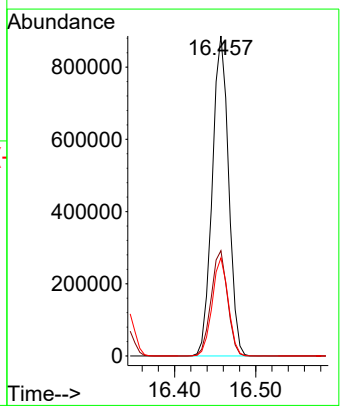


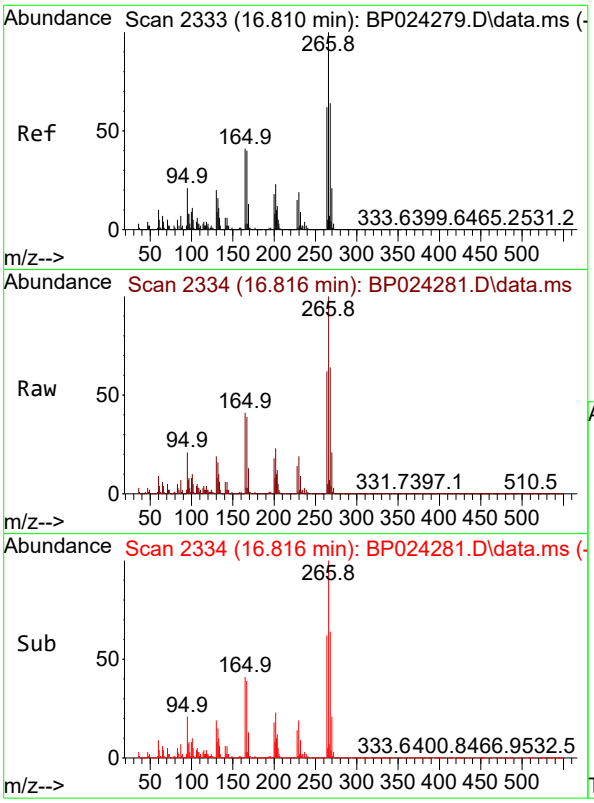


#68
Hexachlorobenzene
Concen: 62.200 ng
RT: 16.457 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:284 Resp: 1239550

Ion	Ratio	Lower	Upper
284	100		
142	32.9	24.6	37.0
249	30.7	23.8	35.6



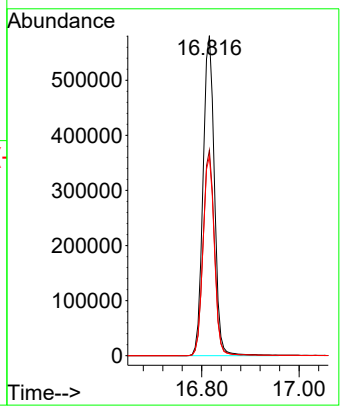


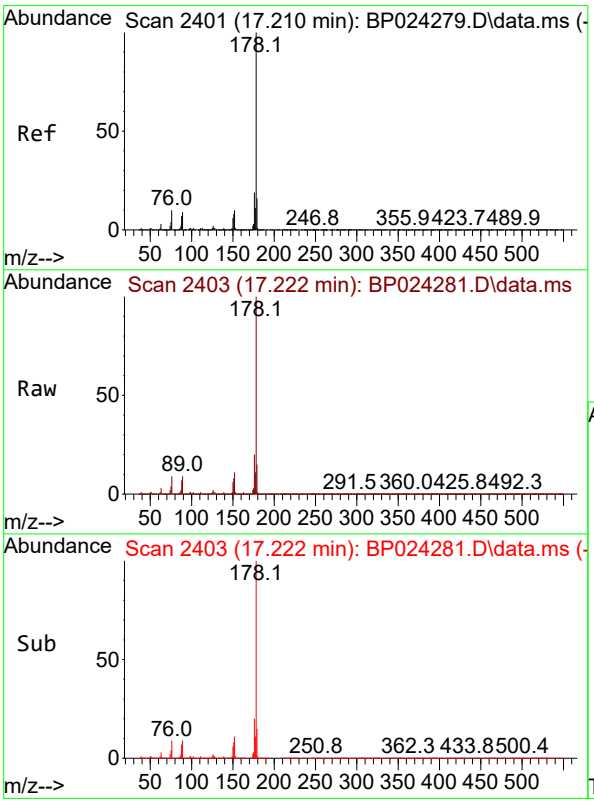
#70
Pentachlorophenol
Concen: 68.445 ng
RT: 16.816 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:266 Resp: 936562

Ion	Ratio	Lower	Upper
266	100		
268	64.2	51.0	76.6
264	62.3	49.8	74.6

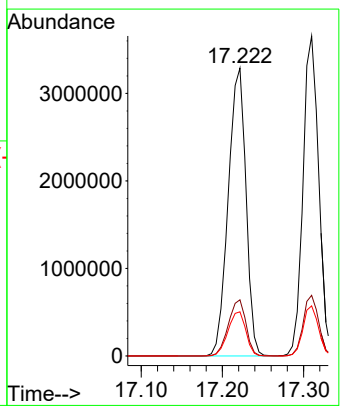


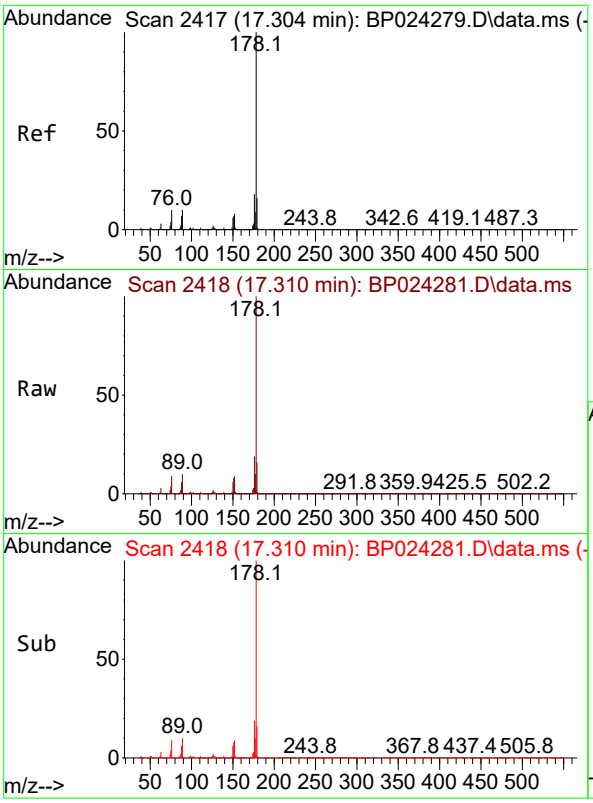


#71
Phenanthrene
Concen: 59.209 ng
RT: 17.222 min Scan# 2403
Delta R.T. 0.012 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:178 Resp: 4988840

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.0
179	15.3	12.5	18.7



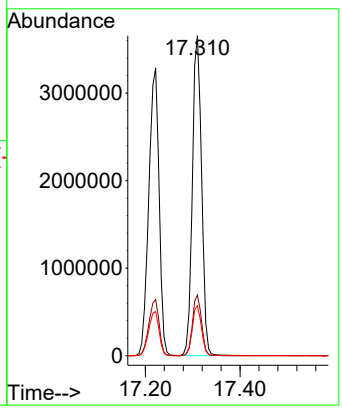


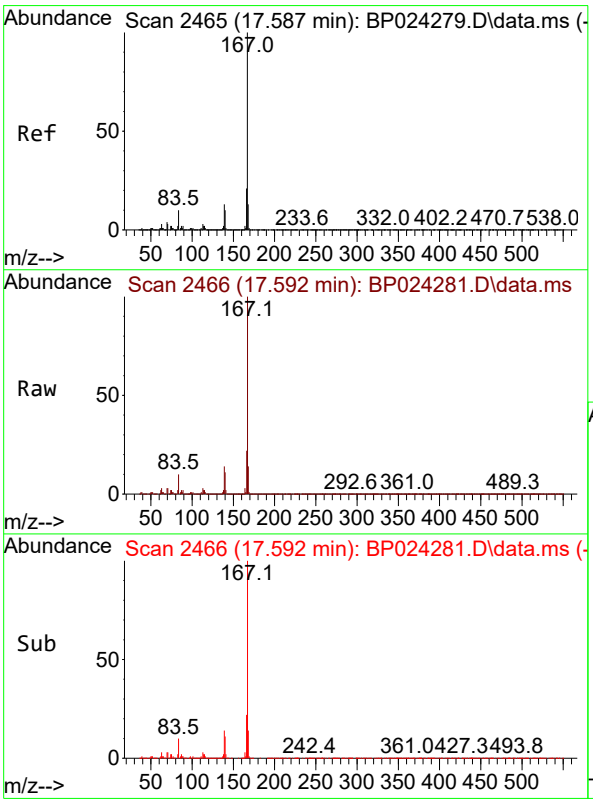
#72
Anthracene
Concen: 60.907 ng
RT: 17.310 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 4938117

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.7	22.1
179	15.7	12.4	18.6

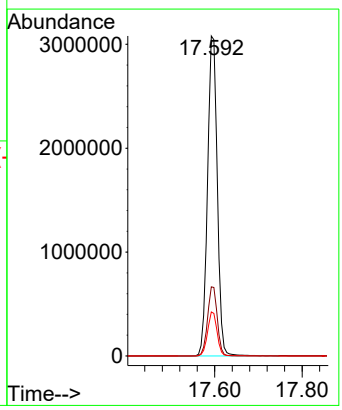


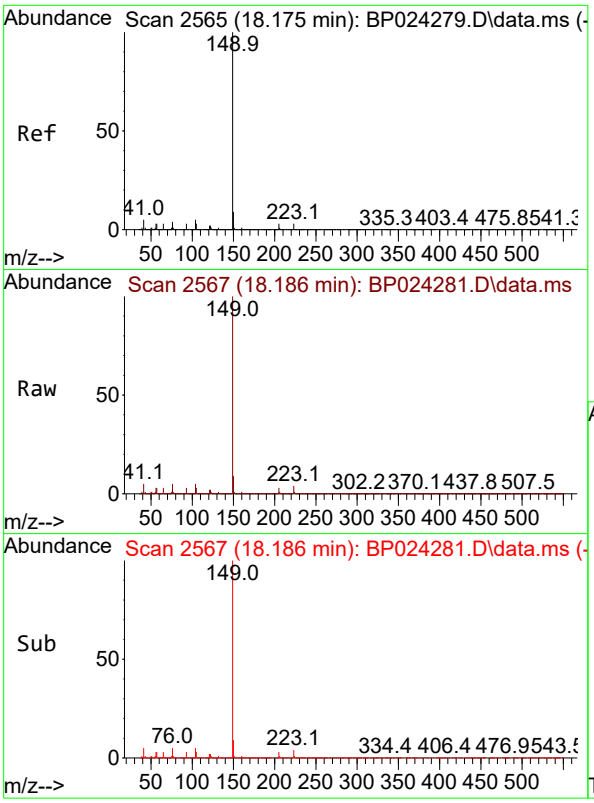


#73
Carbazole
Concen: 60.584 ng
RT: 17.592 min Scan# 2466
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:167 Resp: 4780408

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.1	25.7
139	13.7	10.6	16.0



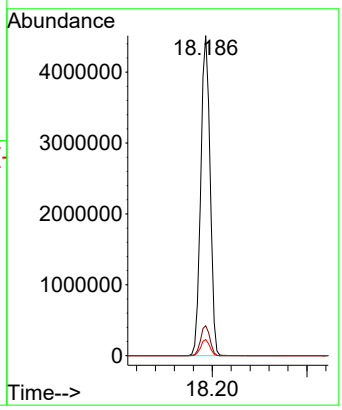


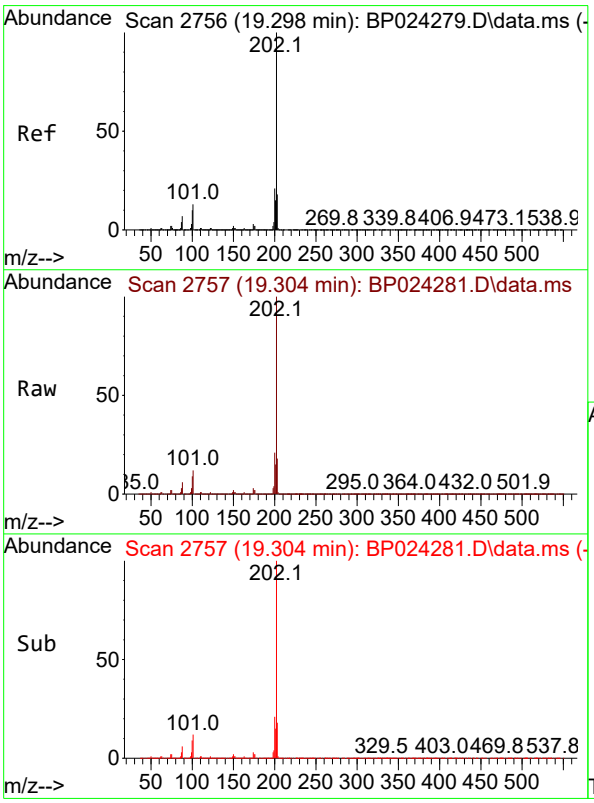
#74
Di-n-butylphthalate
Concen: 62.730 ng
RT: 18.186 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 6167206

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.0	3.9	5.9

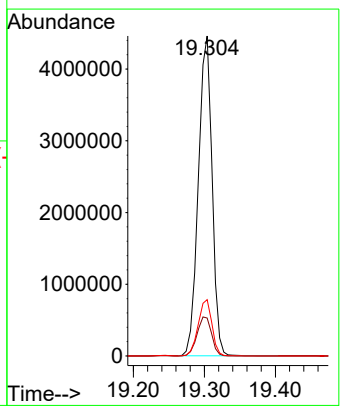


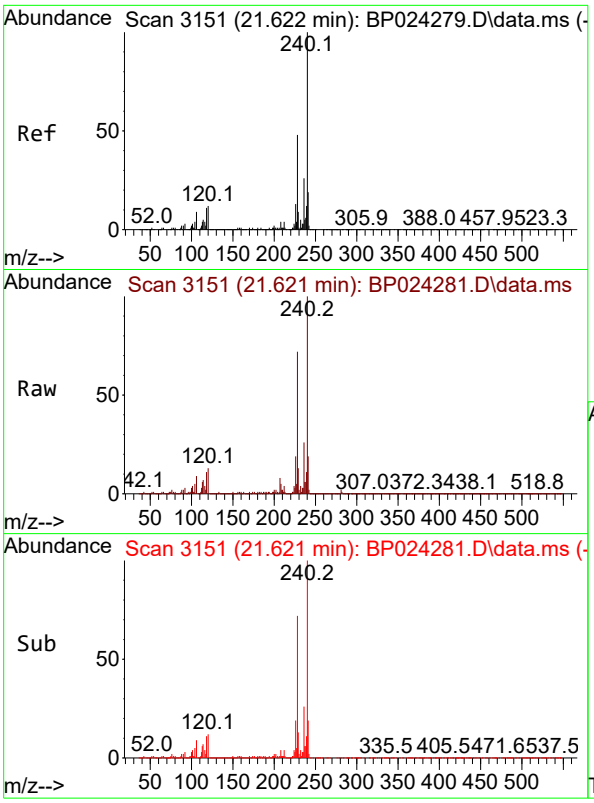


#75
Fluoranthene
Concen: 60.092 ng
RT: 19.304 min Scan# 2757
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:202 Resp: 6009748

Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	33.2
203	17.6	0.0	37.7



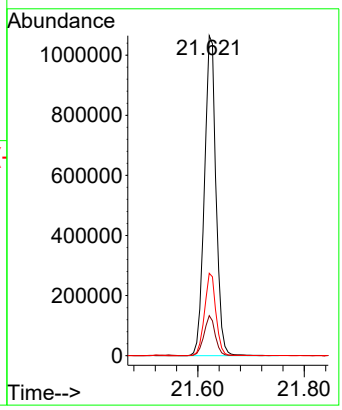


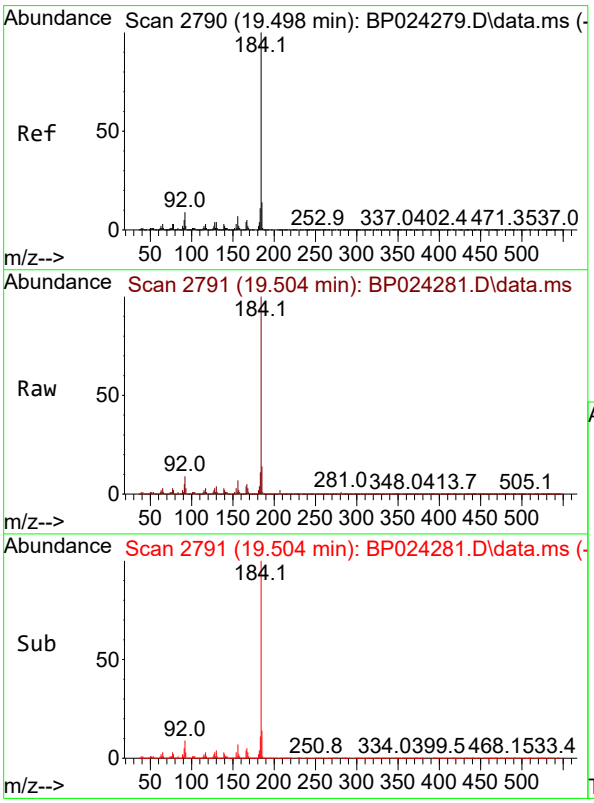
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.621 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:240 Resp: 1596148

Ion	Ratio	Lower	Upper
240	100		
120	12.5	9.8	14.8
236	25.8	20.9	31.3

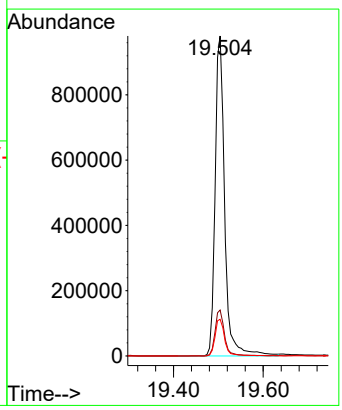


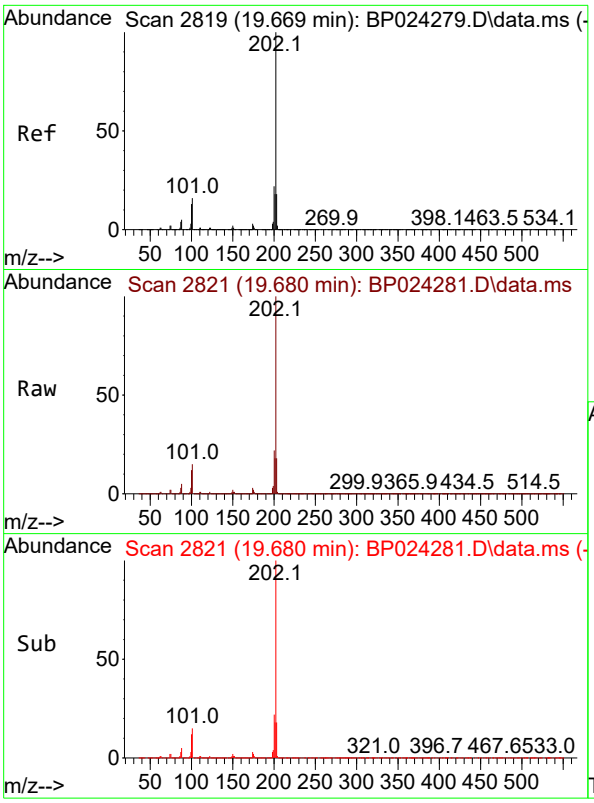


#77
Benzidine
Concen: 73.401 ng
RT: 19.504 min Scan# 2791
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:184 Resp: 1446166

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.6	17.4
183	11.5	9.2	13.8



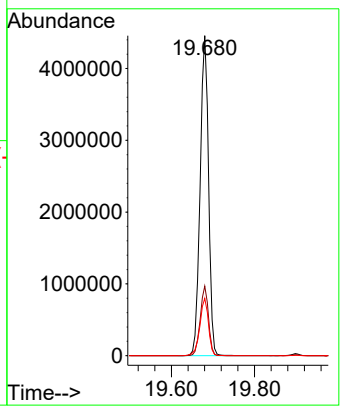


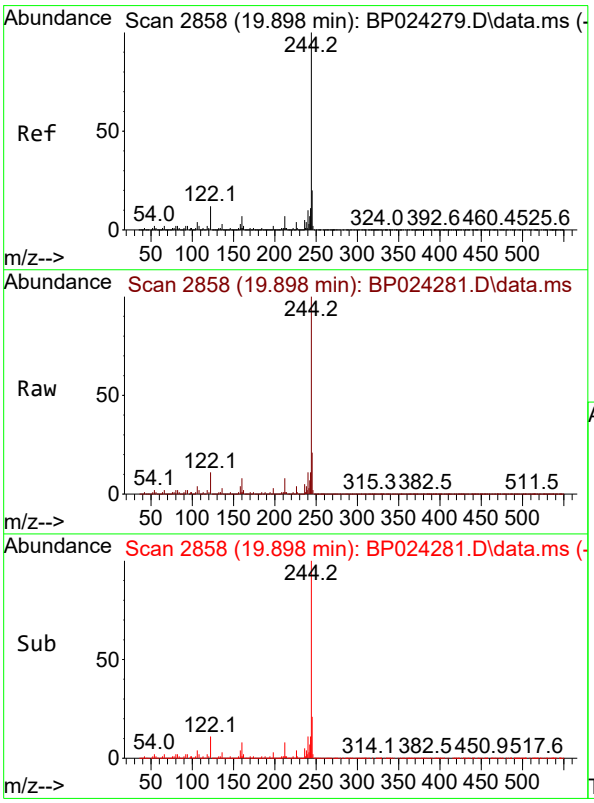
#78
Pyrene
Concen: 61.204 ng
RT: 19.680 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 6250781

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.2	25.8
203	17.9	14.4	21.6

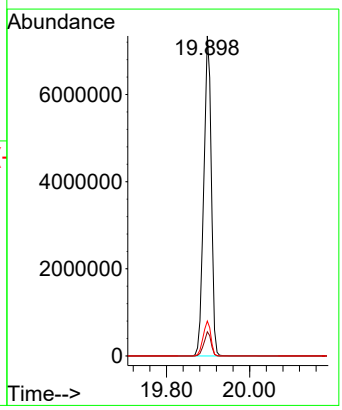


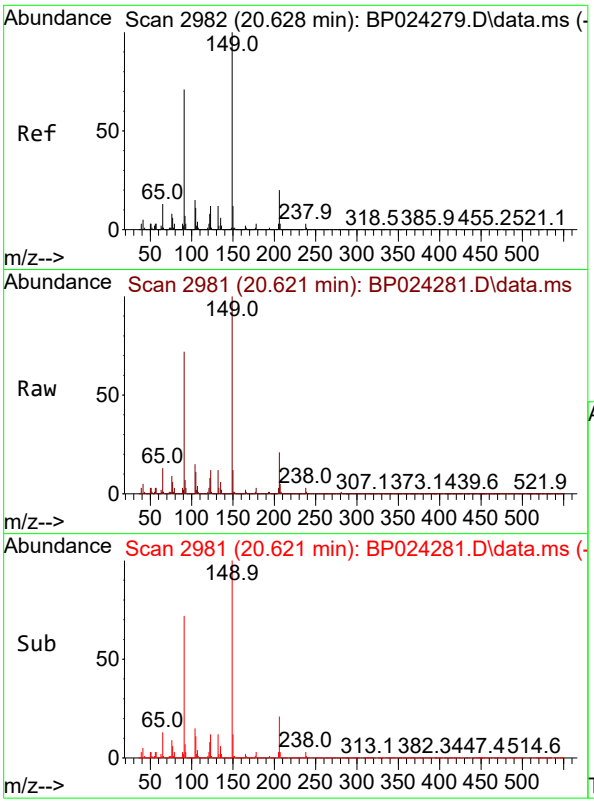


#79
Terphenyl-d14
Concen: 115.262 ng
RT: 19.898 min Scan# 2858
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:244 Resp: 9228969

Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.6	8.4
122	10.9	9.4	14.0



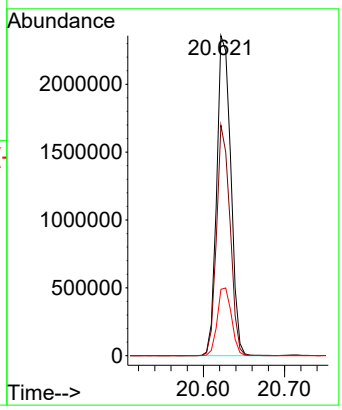


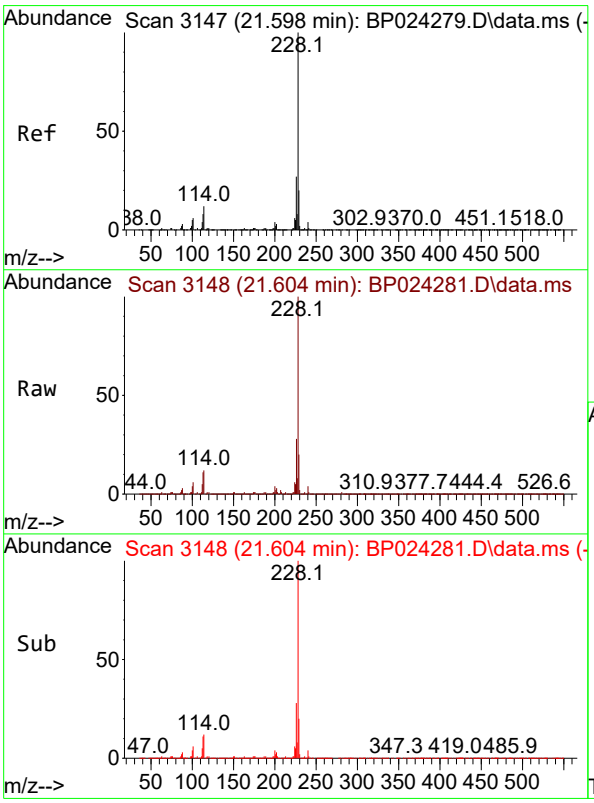
#80
Butylbenzylphthalate
Concen: 65.961 ng
RT: 20.621 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 2840001

Ion	Ratio	Lower	Upper
149	100		
91	72.0	56.4	84.6
206	20.7	16.3	24.5

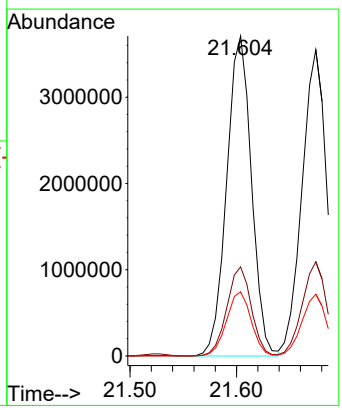


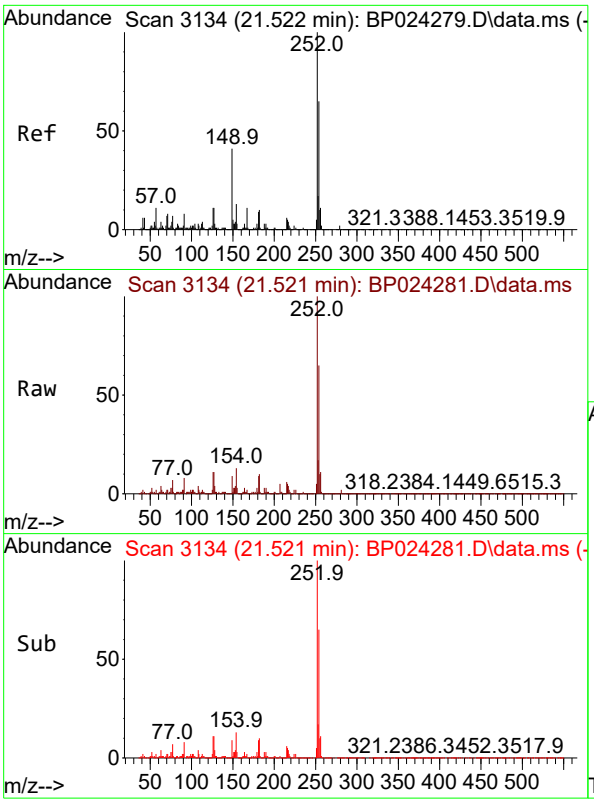


#81
Benzo(a)anthracene
Concen: 60.318 ng
RT: 21.604 min Scan# 3148
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:228 Resp: 6002059

Ion	Ratio	Lower	Upper
228	100		
226	27.9	21.8	32.8
229	20.1	15.9	23.9



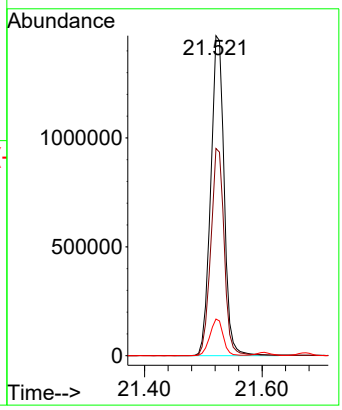


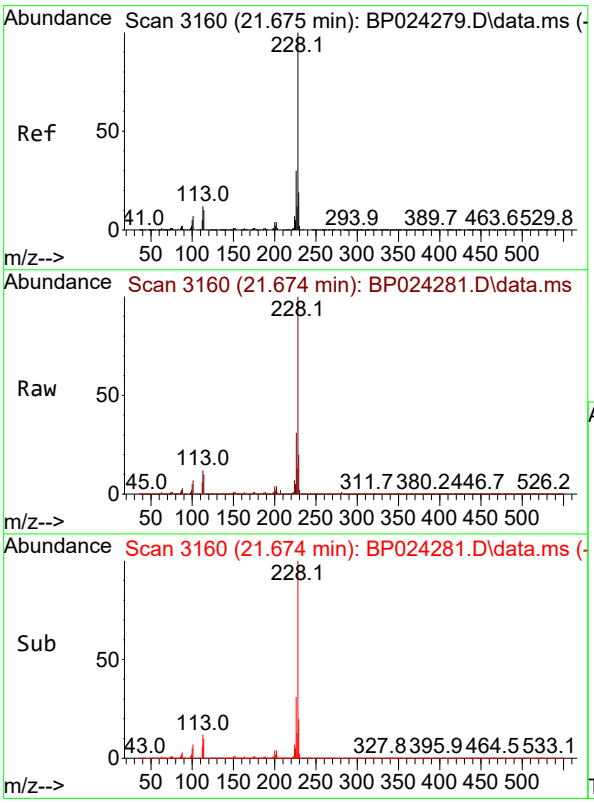
#82
3,3'-Dichlorobenzidine
Concen: 67.333 ng
RT: 21.521 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 2323294

Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.7	77.5
126	11.5	8.8	13.2

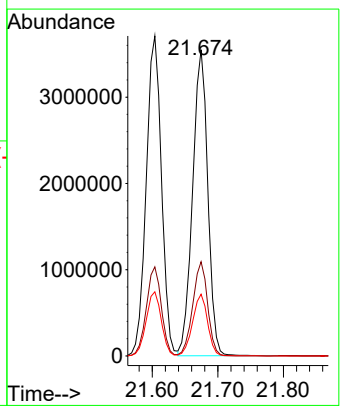


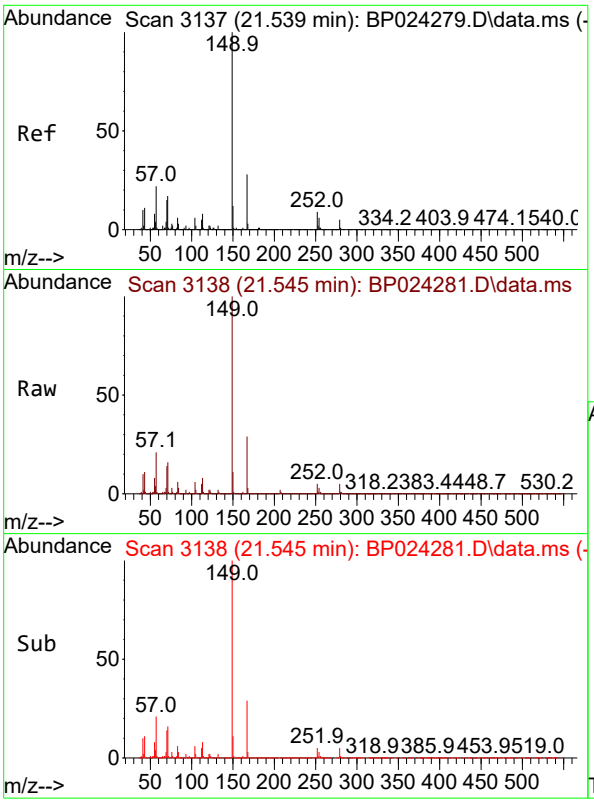


#83
Chrysene
Concen: 59.924 ng
RT: 21.674 min Scan# 3160
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:228 Resp: 5714775

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.2	36.2
229	20.2	15.6	23.4



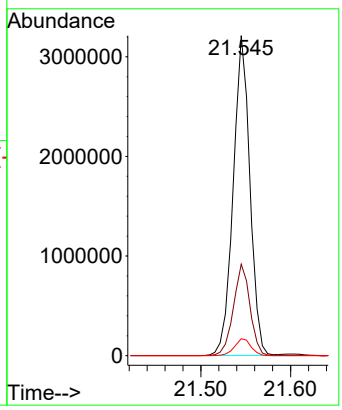


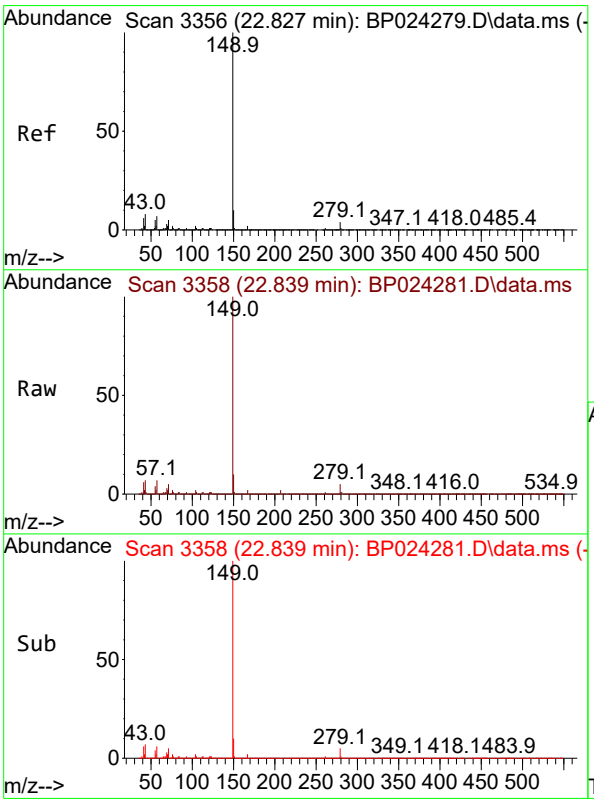
#84
Bis(2-ethylhexyl)phthalate
Concen: 65.497 ng
RT: 21.545 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 4153128

Ion	Ratio	Lower	Upper
149	100		
167	28.6	22.4	33.6
279	5.3	4.0	6.0

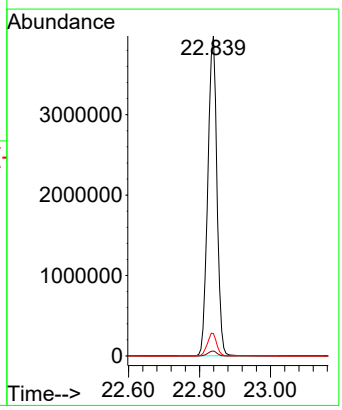


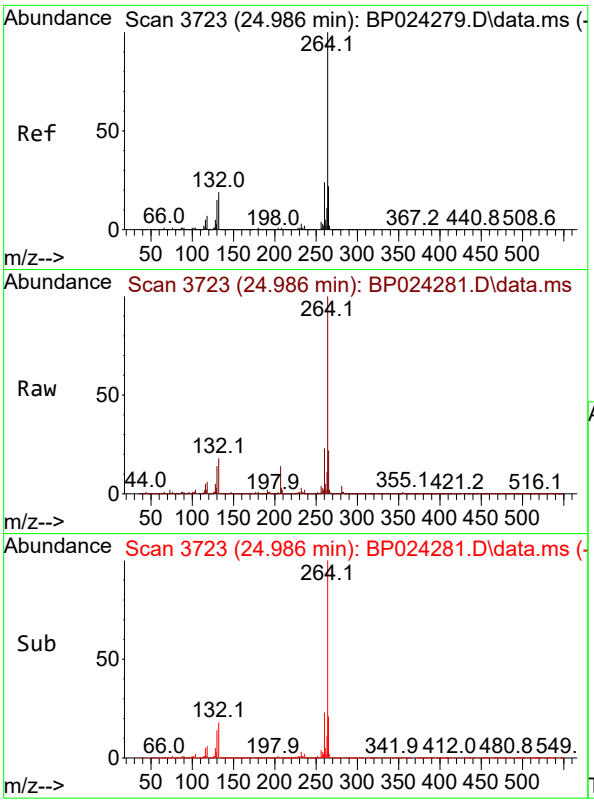


#85
Di-n-octyl phthalate
Concen: 70.060 ng
RT: 22.839 min Scan# 3358
Delta R.T. 0.012 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:149 Resp: 7116217

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.2	6.0	9.0



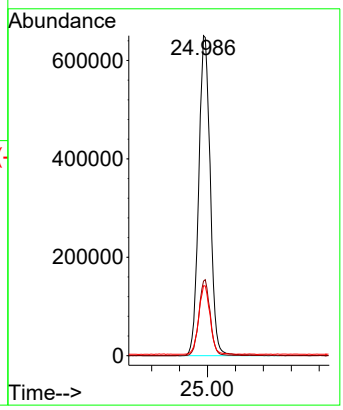


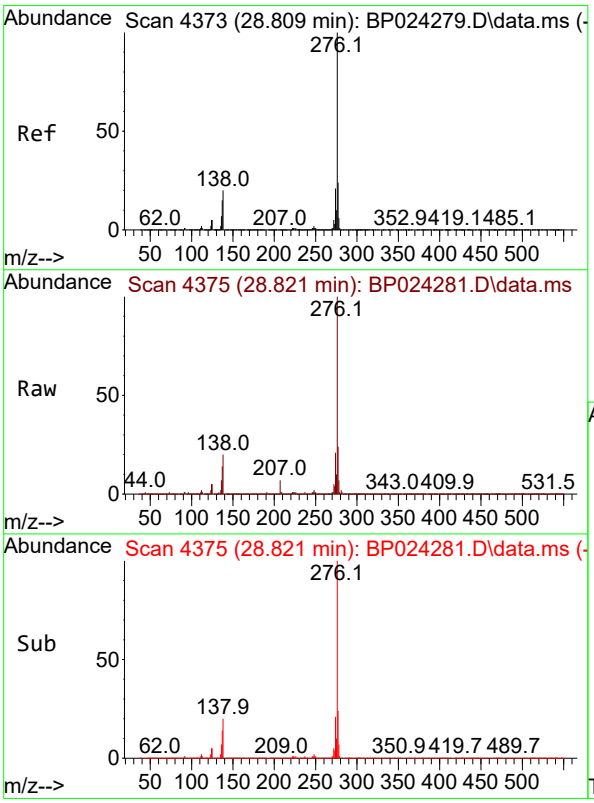
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.986 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:264 Resp: 1858365

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.9	28.3
265	21.8	17.8	26.6

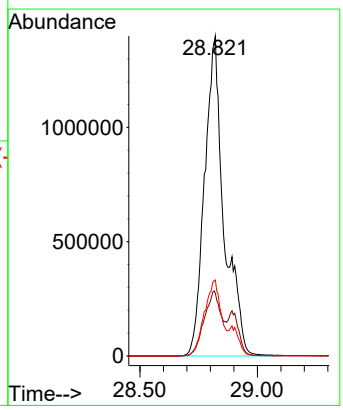


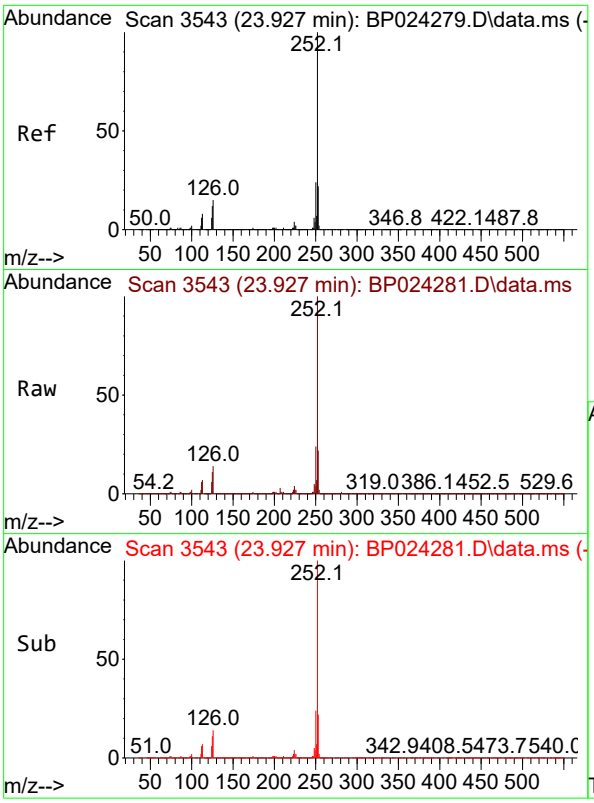


#87
Indeno(1,2,3-cd)pyrene
Concen: 63.043 ng m
RT: 28.821 min Scan# 4375
Delta R.T. 0.012 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:276 Resp: 8057576

Ion	Ratio	Lower	Upper
276	100		
138	18.2	14.5	21.7
277	20.7	20.2	30.2



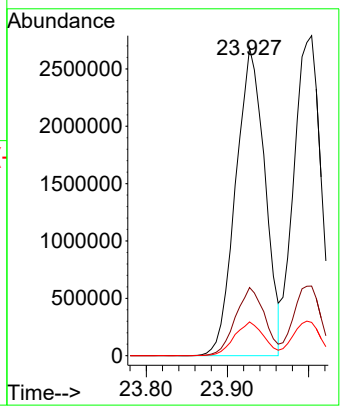


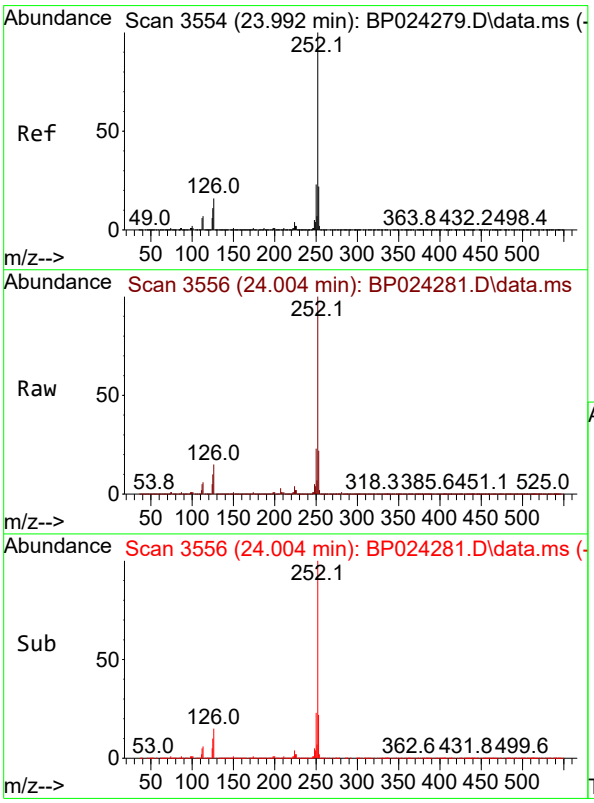
#88
Benzo(b)fluoranthene
Concen: 60.400 ng
RT: 23.927 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 6715444

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.0	9.4	14.0

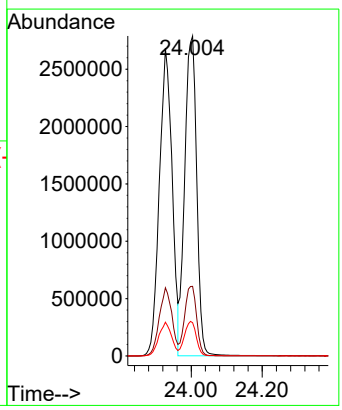


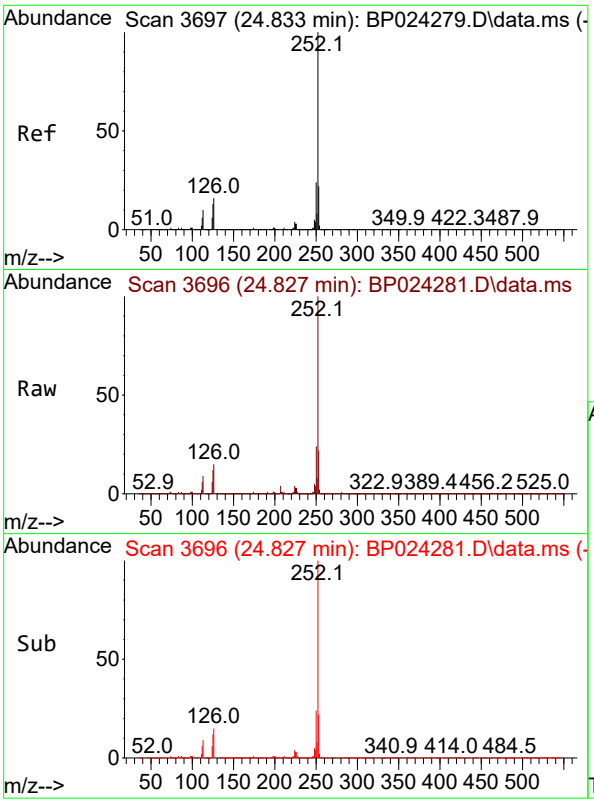


#89
Benzo(k)fluoranthene
Concen: 60.244 ng
RT: 24.004 min Scan# 3556
Delta R.T. 0.012 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:252 Resp: 6500782

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	10.4	9.1	13.7



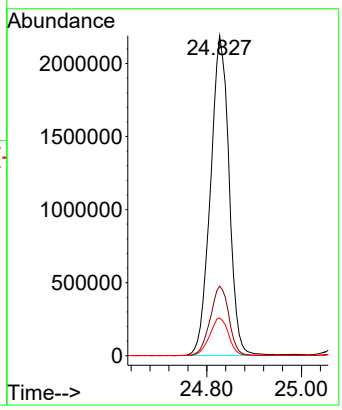


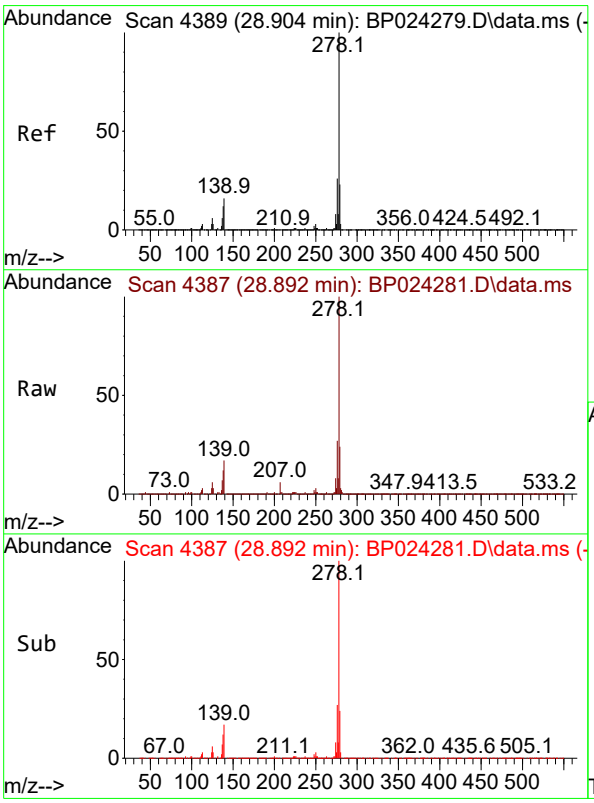
#90
Benzo(a)pyrene
Concen: 62.316 ng
RT: 24.827 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 5964163

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	11.8	10.1	15.1

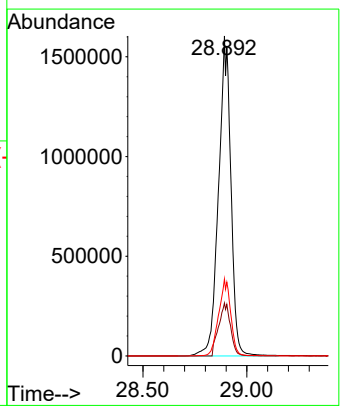


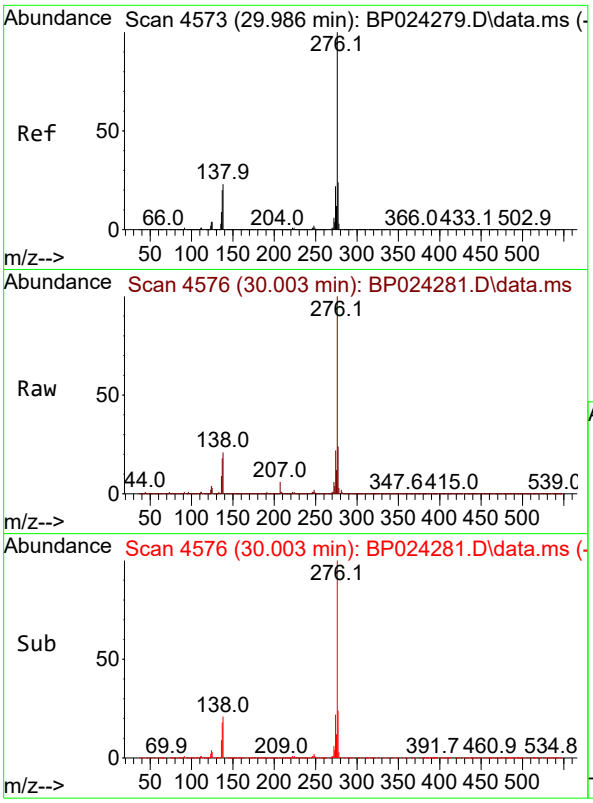


#91
Dibenzo(a,h)anthracene
Concen: 62.214 ng
RT: 28.892 min Scan# 4387
Delta R.T. -0.012 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:278 Resp: 6614173

Ion	Ratio	Lower	Upper
278	100		
139	16.6	12.6	19.0
279	24.1	18.5	27.7



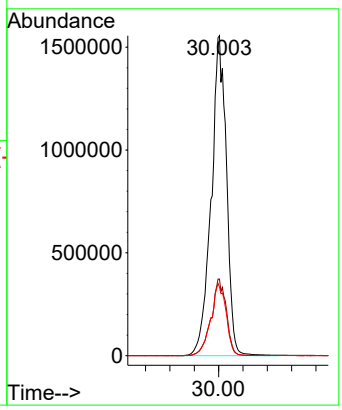


#92
Benzo(g,h,i)perylene
Concen: 62.294 ng
RT: 30.003 min Scan# 4
Delta R.T. 0.017 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 6740929

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.9	28.3
138	21.5	18.7	28.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024282.D
Acq On : 14 Apr 2025 17:13
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Quant Time: Apr 14 18:14:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.728	152	244732	20.000	ng		0.00
21) Naphthalene-d8	10.504	136	1024316	20.000	ng		0.00
39) Acenaphthene-d10	14.369	164	641442	20.000	ng		0.00
64) Phenanthrene-d10	17.180	188	1279313	20.000	ng		0.02
76) Chrysene-d12	21.621	240	1378105	20.000	ng		0.00
86) Perylene-d12	24.986	264	1583281	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.352	112	2341577	157.905	ng		0.00
7) Phenol-d6	6.916	99	3224074	158.927	ng		0.00
23) Nitrobenzene-d5	8.881	82	2847003	158.236	ng		0.00
42) 2,4,6-Tribromophenol	15.892	330	1507534	171.633	ng		0.01
45) 2-Fluorobiphenyl	12.981	172	6362479	150.596	ng		0.01
79) Terphenyl-d14	19.922	244	10209149	147.678	ng		0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.293	88	467234	73.805	ng		99
3) Pyridine	3.687	79	1349044m	81.864	ng		
4) n-Nitrosodimethylamine	3.593	42	434861	79.138	ng		97
6) Aniline	7.069	93	1351337	73.789	ng		100
8) 2-Chlorophenol	7.305	128	1299769	78.433	ng		99
9) Benzaldehyde	6.881	77	608272	57.891	ng		99
10) Phenol	6.946	94	1608027	78.944	ng		98
11) bis(2-Chloroethyl)ether	7.163	93	1272327	77.297	ng		99
12) 1,3-Dichlorobenzene	7.622	146	1344292	74.869	ng		100
13) 1,4-Dichlorobenzene	7.763	146	1369087	75.195	ng		99
14) 1,2-Dichlorobenzene	8.075	146	1310407	74.432	ng		100
15) Benzyl Alcohol	7.975	79	1098602	84.492	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.257	45	1319830	73.704	ng		98
17) 2-Methylphenol	8.175	107	1064555	81.101	ng		100
18) Hexachloroethane	8.799	117	498897	75.920	ng		99
19) n-Nitroso-di-n-propyla...	8.534	70	968278	76.844	ng		99
20) 3+4-Methylphenols	8.499	107	1492527	82.092	ng		99
22) Acetophenone	8.546	105	1977578	77.680	ng	#	100
24) Nitrobenzene	8.922	77	1392093	78.066	ng		98
25) Isophorone	9.446	82	2617853	80.596	ng		99
26) 2-Nitrophenol	9.628	139	760077	88.768	ng		98
27) 2,4-Dimethylphenol	9.693	122	905891	83.475	ng		99
28) bis(2-Chloroethoxy)met...	9.922	93	1689686	76.434	ng		99
29) 2,4-Dichlorophenol	10.157	162	1238253	83.719	ng		99
30) 1,2,4-Trichlorobenzene	10.369	180	1252476	78.272	ng		99
31) Naphthalene	10.557	128	4190486	77.287	ng		100
32) Benzoic acid	9.875	122	1154243m	98.425	ng		
33) 4-Chloroaniline	10.669	127	1547427	81.682	ng		99
34) Hexachlorobutadiene	10.840	225	743811	79.240	ng		99
35) Caprolactam	11.481	113	469910	86.534	ng		98
36) 4-Chloro-3-methylphenol	11.804	107	1438601	83.468	ng		98
37) 2-Methylnaphthalene	12.169	142	2918685	77.673	ng		99
38) 1-Methylnaphthalene	12.393	142	2831173	76.912	ng		100
40) 1,2,4,5-Tetrachloroben...	12.545	216	1416894	80.378	ng		100
41) Hexachlorocyclopentadiene	12.528	237	523136	84.532	ng		99
43) 2,4,6-Trichlorophenol	12.787	196	1000309	86.244	ng		97

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024282.D
Acq On : 14 Apr 2025 17:13
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Quant Time: Apr 14 18:14:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

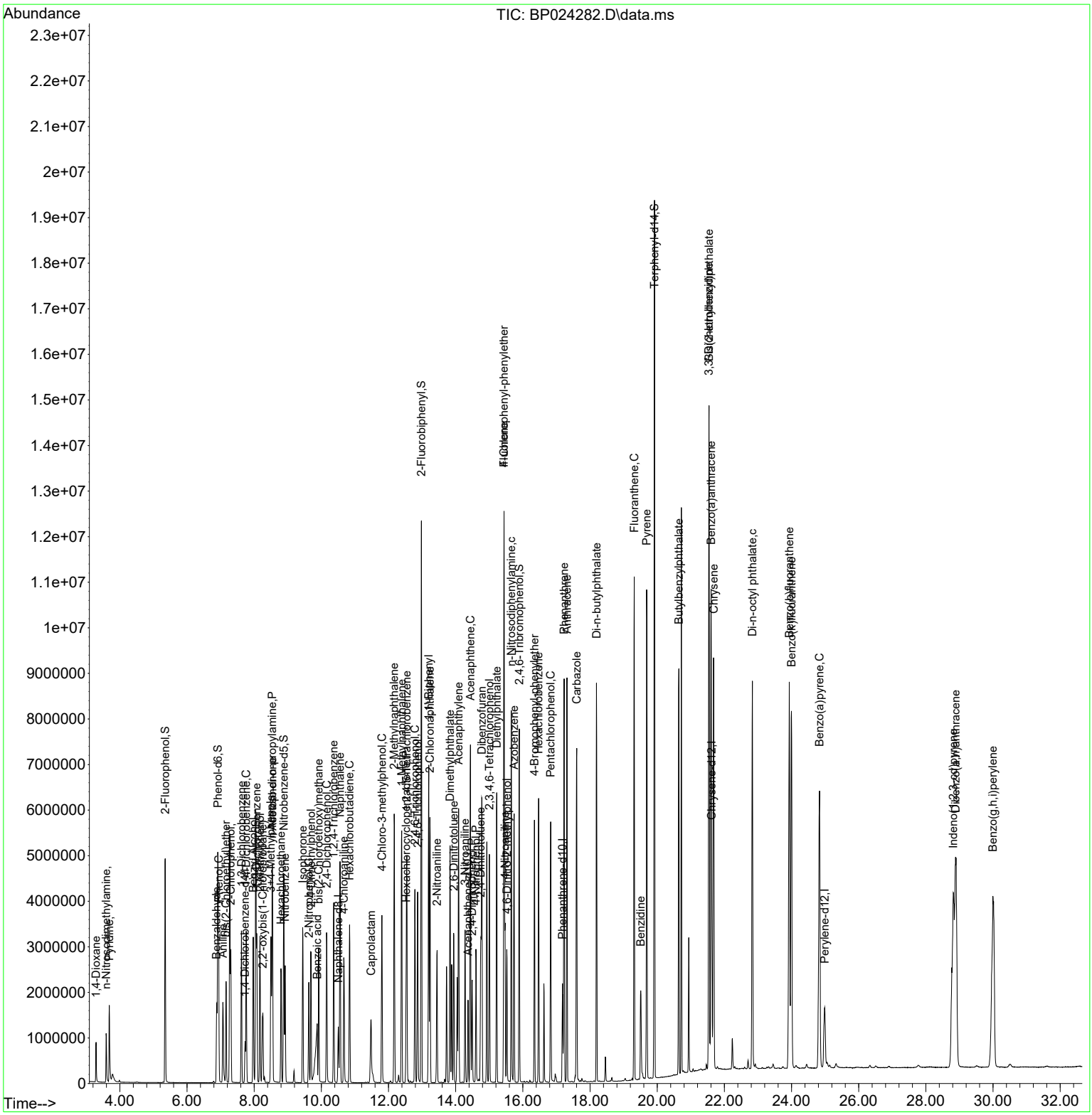
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.869	196	1103073	85.819	ng	98
46) 1,1'-Biphenyl	13.198	154	3665607	77.381	ng	99
47) 2-Chloronaphthalene	13.234	162	2766302	78.257	ng	99
48) 2-Nitroaniline	13.445	65	848619	86.912	ng	98
49) Acenaphthylene	14.087	152	4438648	80.004	ng	100
50) Dimethylphthalate	13.834	163	3659579	78.201	ng	99
51) 2,6-Dinitrotoluene	13.945	165	814314	82.589	ng	98
52) Acenaphthene	14.439	154	2761536	78.270	ng	100
53) 3-Nitroaniline	14.281	138	919775	89.913	ng	99
54) 2,4-Dinitrophenol	14.492	184	541483	102.567	ng	99
55) Dibenzofuran	14.781	168	4420987	76.402	ng	99
56) 4-Nitrophenol	14.604	139	814261	92.599	ng	98
57) 2,4-Dinitrotoluene	14.745	165	1169554	87.755	ng	98
58) Fluorene	15.439	166	3479094	77.873	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.004	232	999335	84.031	ng	100
60) Diethylphthalate	15.222	149	3800651	78.910	ng	99
61) 4-Chlorophenyl-phenyle...	15.439	204	1689620	77.881	ng	100
62) 4-Nitroaniline	15.469	138	965926	89.063	ng	98
63) Azobenzene	15.739	77	3448680	77.741	ng	98
65) 4,6-Dinitro-2-methylph...	15.528	198	705506	94.385	ng	92
66) n-Nitrosodiphenylamine	15.657	169	2970516	77.438	ng	99
67) 4-Bromophenyl-phenylether	16.345	248	1137128	81.488	ng	99
68) Hexachlorobenzene	16.469	284	1347567	81.231	ng	97
70) Pentachlorophenol	16.828	266	1027691	90.221	ng	99
71) Phenanthrene	17.228	178	5415046	77.203	ng	100
72) Anthracene	17.316	178	5270987	78.097	ng	99
73) Carbazole	17.604	167	5275449	80.314	ng	100
74) Di-n-butylphthalate	18.192	149	6569078	80.266	ng	100
75) Fluoranthene	19.316	202	6520527	78.322	ng	99
77) Benzidine	19.510	184	1694694m	99.624	ng	
78) Pyrene	19.686	202	6718789	76.195	ng	100
80) Butylbenzylphthalate	20.645	149	3163633	85.104	ng	96
81) Benzo(a)anthracene	21.604	228	6729971	78.335	ng	99
82) 3,3'-Dichlorobenzidine	21.539	252	2536509	85.143	ng	99
83) Chrysene	21.680	228	6433173	78.130	ng	99
84) Bis(2-ethylhexyl)phtha...	21.545	149	4516949	82.506	ng	98
85) Di-n-octyl phthalate	22.833	149	7969779	90.878	ng	99
87) Indeno(1,2,3-cd)pyrene	28.815	276	9286186	85.280	ng	99
88) Benzo(b)fluoranthene	23.933	252	7677613	81.051	ng	98
89) Benzo(k)fluoranthene	23.998	252	7207214	78.395	ng	100
90) Benzo(a)pyrene	24.833	252	6703562	82.211	ng	99
91) Dibenzo(a,h)anthracene	28.886	278	7614901	84.071	ng	98
92) Benzo(g,h,i)perylene	29.997	276	7750941	84.072	ng	99

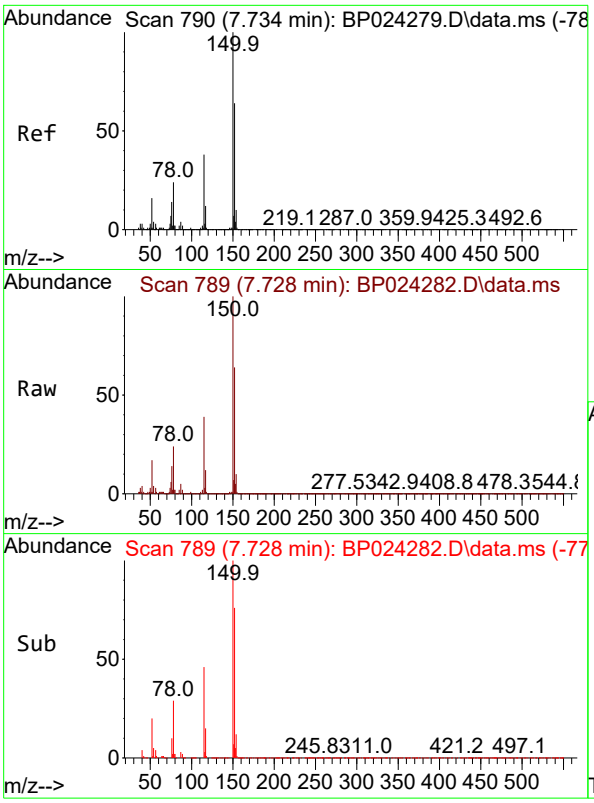
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024282.D
Acq On : 14 Apr 2025 17:13
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Quant Time: Apr 14 18:14:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration



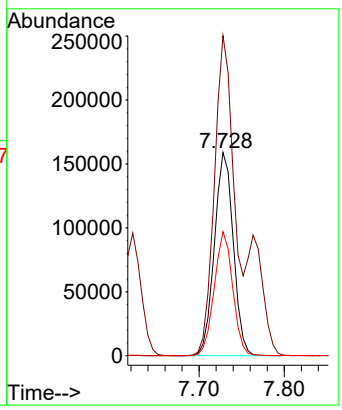


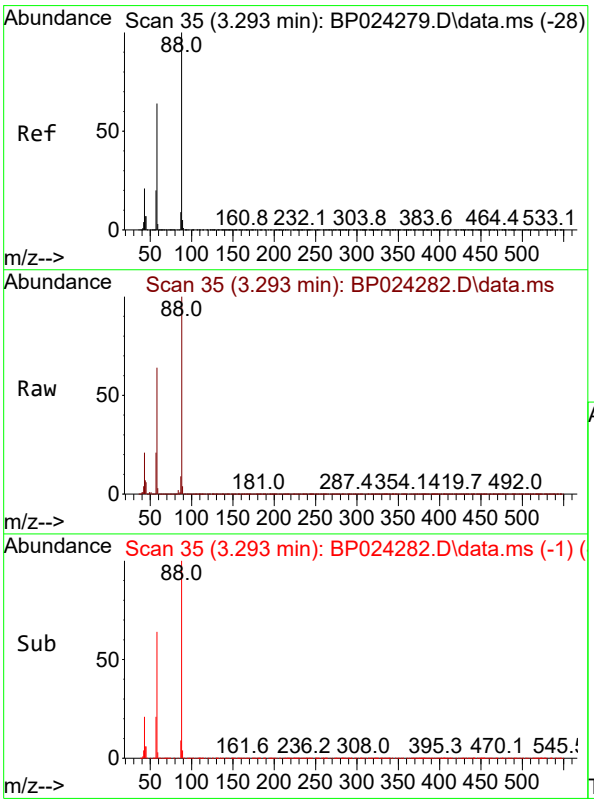
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.728 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 244732

Ion	Ratio	Lower	Upper
152	100		
150	157.4	124.9	187.3
115	61.0	47.7	71.5

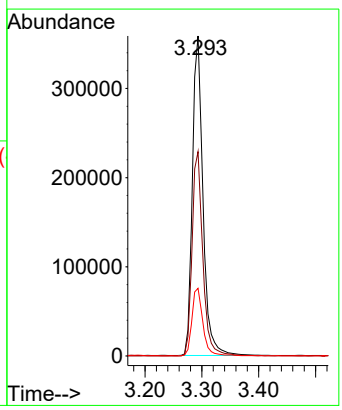


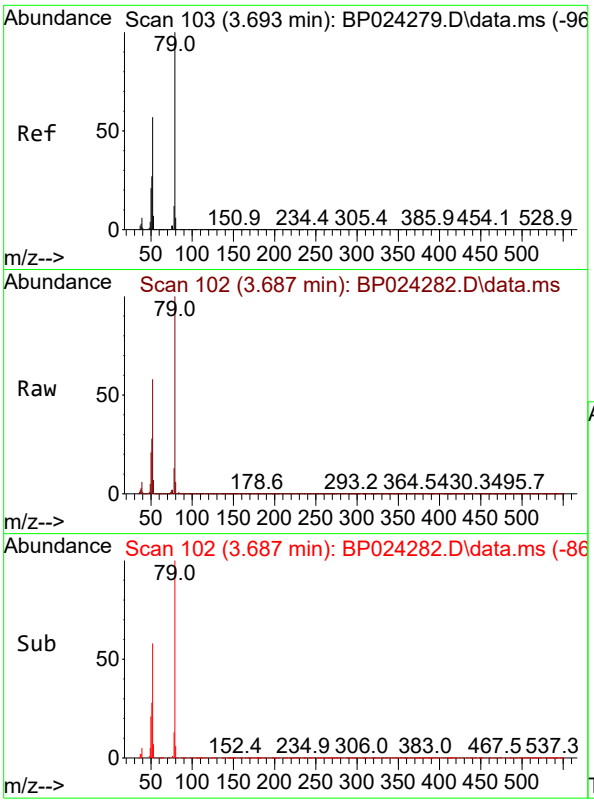


#2
1,4-Dioxane
Concen: 73.805 ng
RT: 3.293 min Scan# 35
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion: 88 Resp: 467234

Ion	Ratio	Lower	Upper
88	100		
58	64.8	51.4	77.2
43	21.7	17.1	25.7



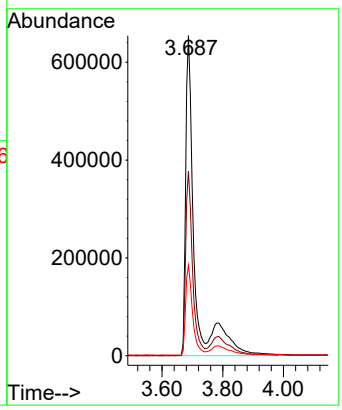


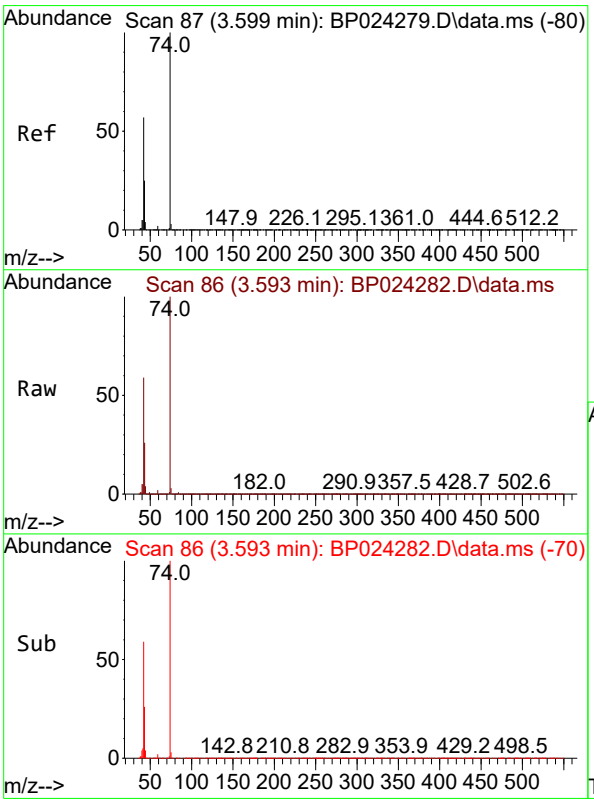
#3
Pyridine
Concen: 81.864 ng m
RT: 3.687 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 1349044

Ion	Ratio	Lower	Upper
79	100		
52	57.7	45.4	68.2
51	28.3	22.6	33.8

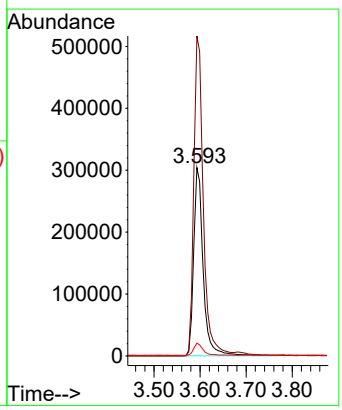


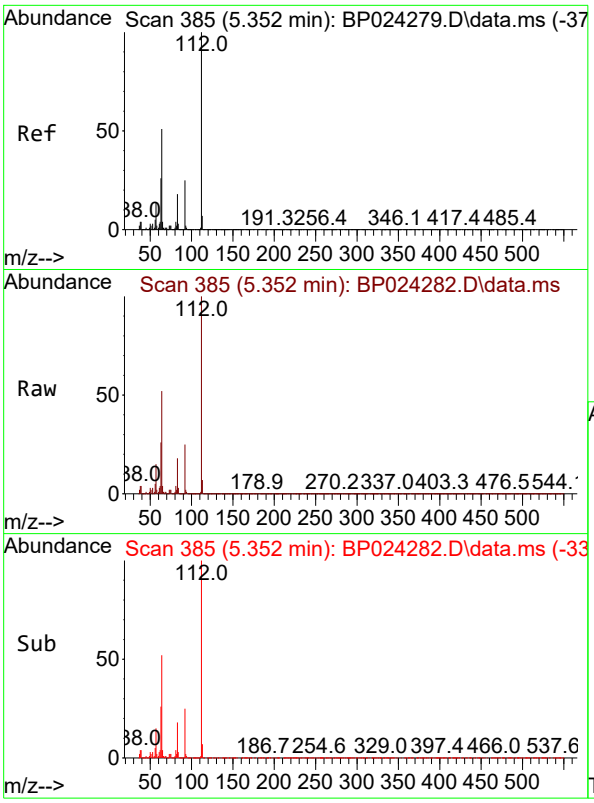


#4
n-Nitrosodimethylamine
Concen: 79.138 ng
RT: 3.593 min Scan# 86
Delta R.T. -0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion: 42 Resp: 434861

Ion	Ratio	Lower	Upper
42	100		
74	170.0	139.5	209.3
44	6.8	5.8	8.8



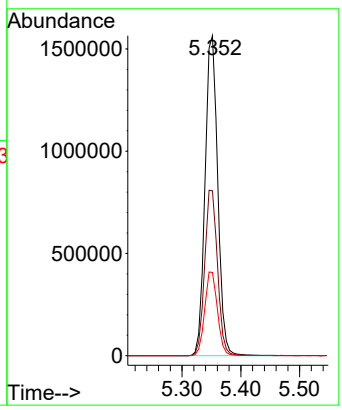


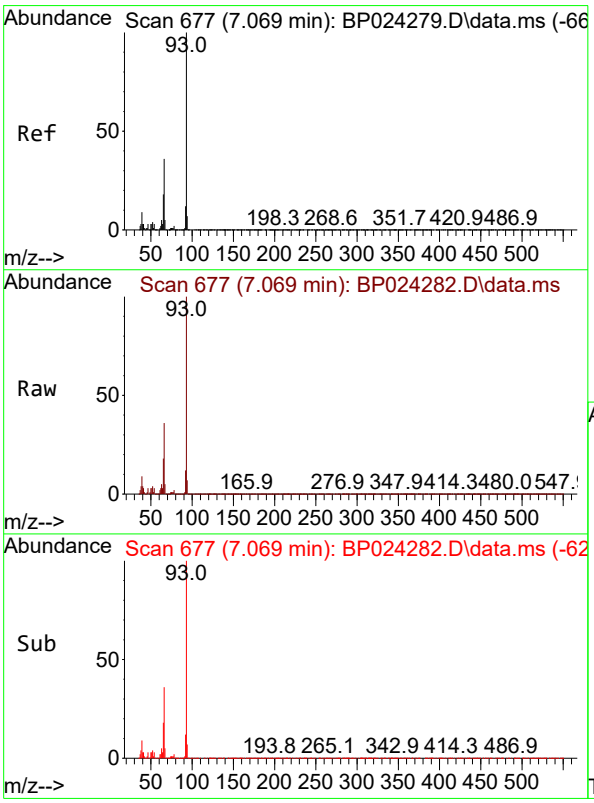
#5
2-Fluorophenol
Concen: 157.905 ng
RT: 5.352 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 2341577

Ion	Ratio	Lower	Upper
112	100		
64	51.6	41.1	61.7
63	26.0	20.6	30.8

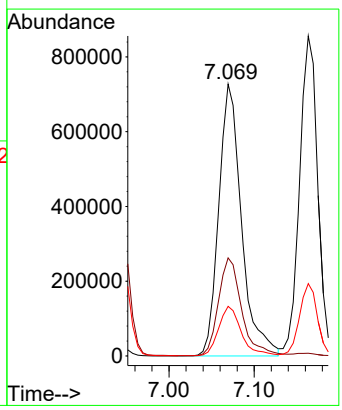


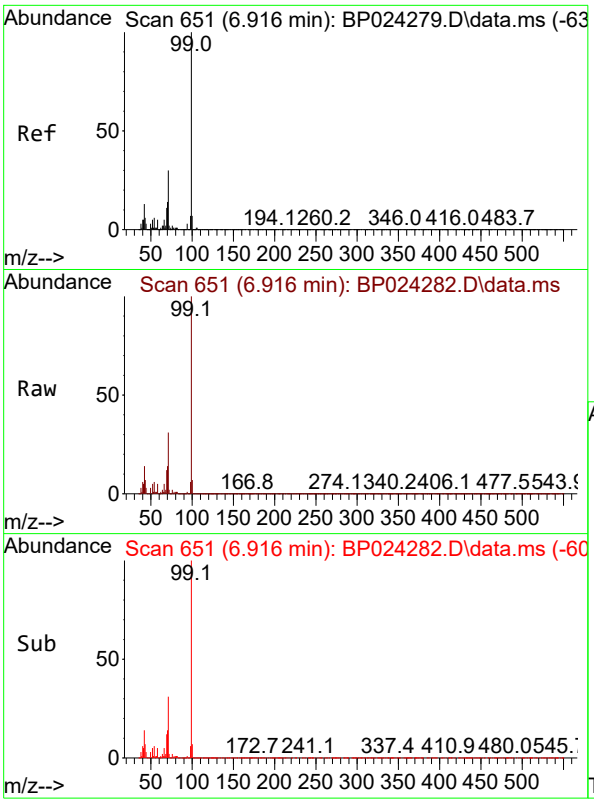


#6
Aniline
Concen: 73.789 ng
RT: 7.069 min Scan# 677
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion: 93 Resp: 1351337

Ion	Ratio	Lower	Upper
93	100		
66	36.1	29.1	43.7
65	18.2	14.7	22.1



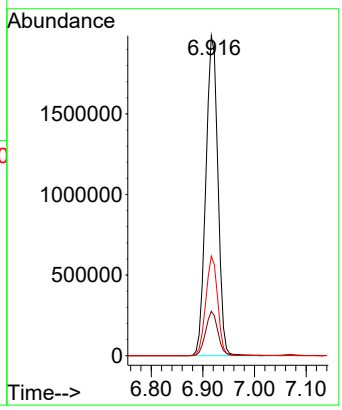


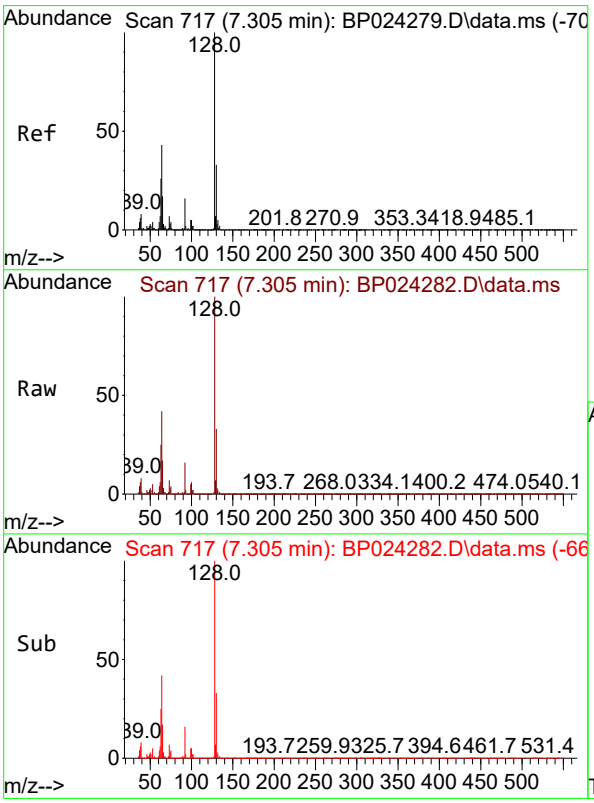
#7
Phenol-d6
Concen: 158.927 ng
RT: 6.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 3224074

Ion	Ratio	Lower	Upper
99	100		
42	13.9	10.6	16.0
71	31.1	23.7	35.5

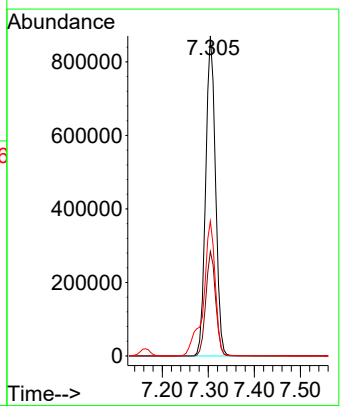


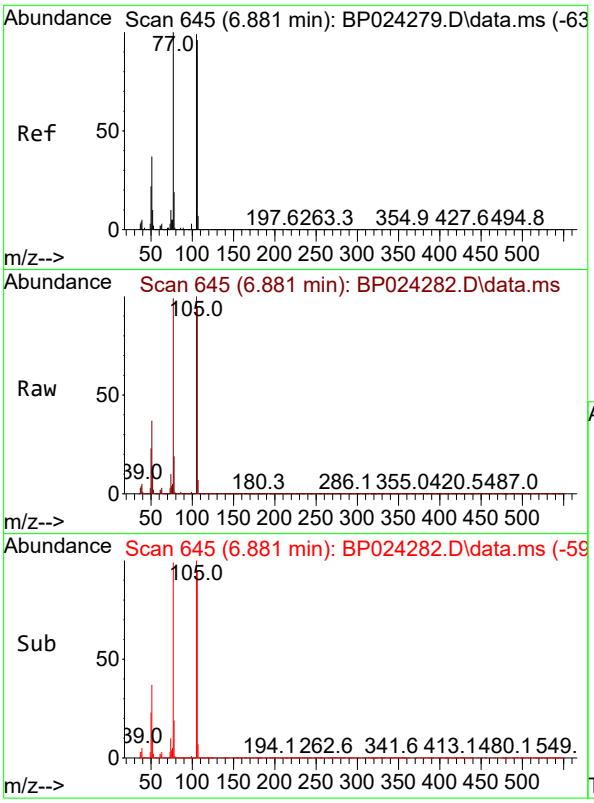


#8
2-Chlorophenol
Concen: 78.433 ng
RT: 7.305 min Scan# 717
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:128 Resp: 1299769

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.9	52.9
64	42.1	22.7	62.7



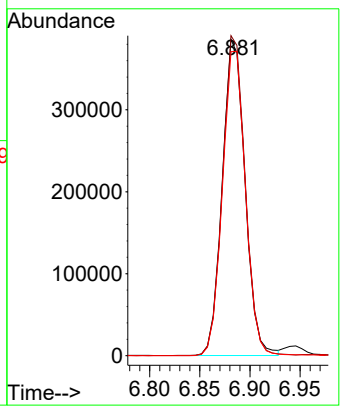


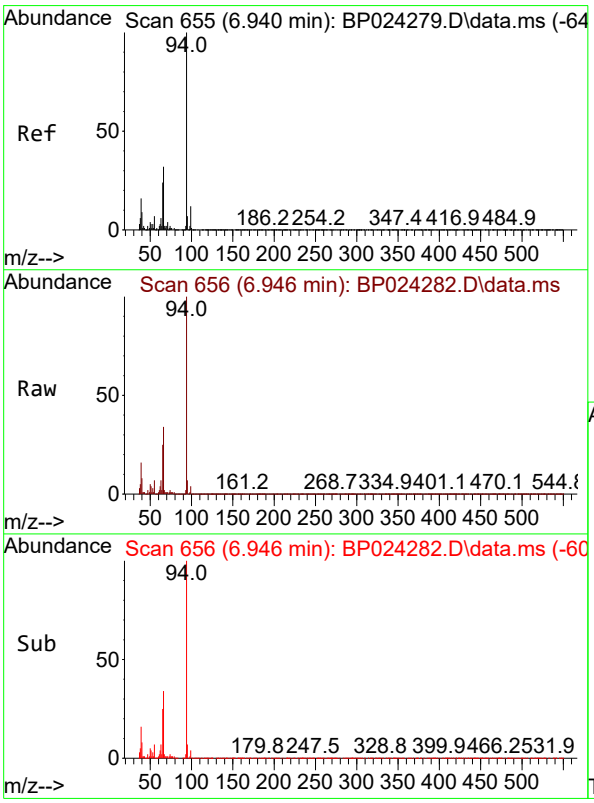
#9
Benzaldehyde
Concen: 57.891 ng
RT: 6.881 min Scan# 64
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 608272

Ion	Ratio	Lower	Upper
77	100		
105	101.2	79.2	119.2
106	96.2	76.2	116.2

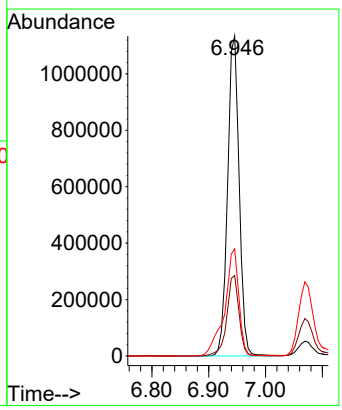


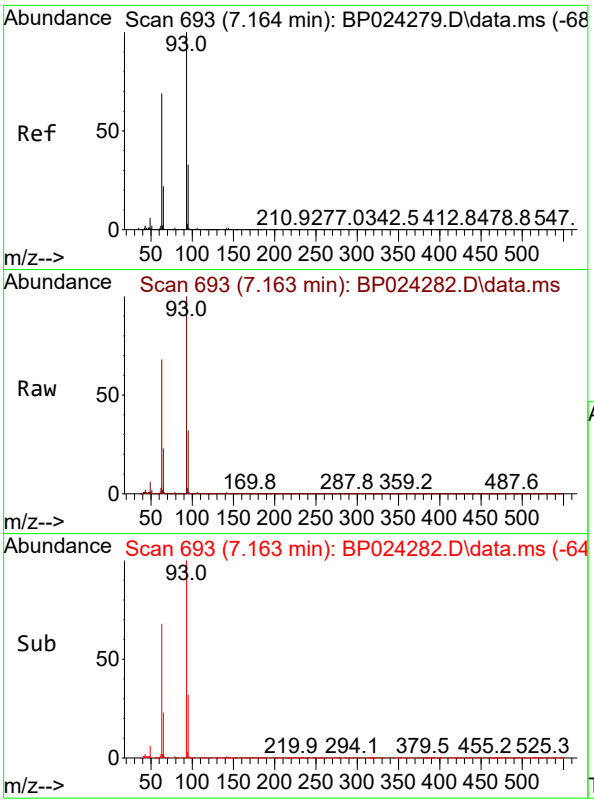


#10
Phenol
Concen: 78.944 ng
RT: 6.946 min Scan# 656
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion: 94 Resp: 1608027

Ion	Ratio	Lower	Upper
94	100		
65	25.1	4.5	44.5
66	33.5	12.4	52.4



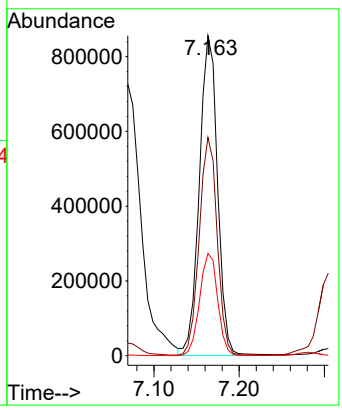


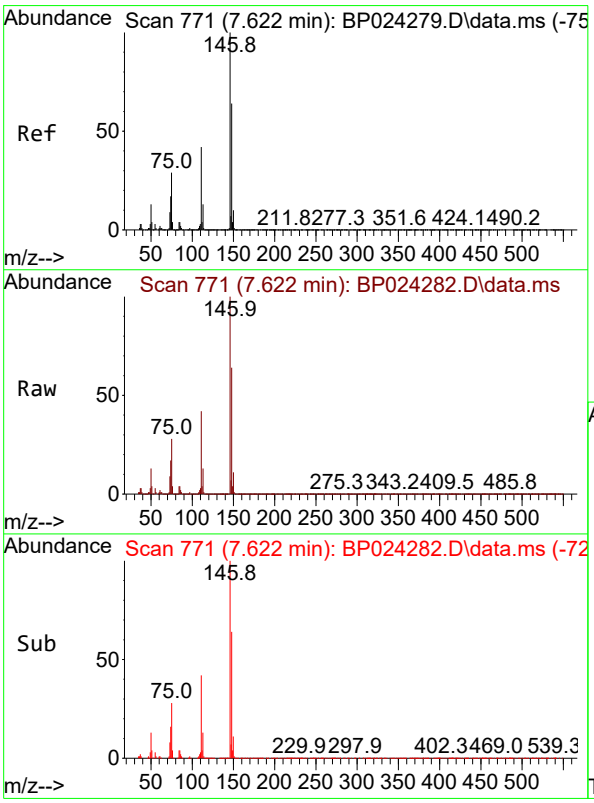
#11
bis(2-Chloroethyl)ether
Concen: 77.297 ng
RT: 7.163 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 1272327

Ion	Ratio	Lower	Upper
93	100		
63	68.2	48.6	88.6
95	31.9	12.3	52.3

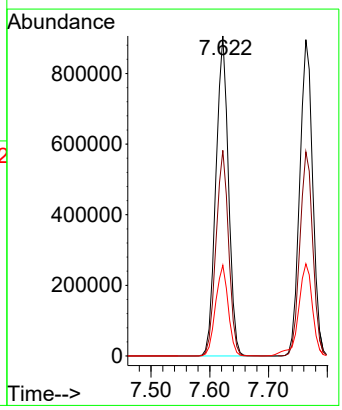


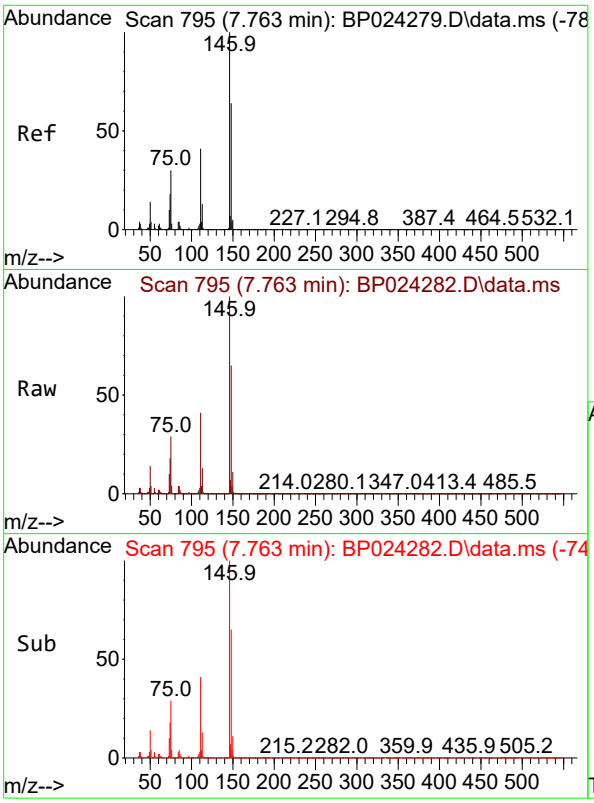


#12
1,3-Dichlorobenzene
Concen: 74.869 ng
RT: 7.622 min Scan# 771
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:146 Resp: 1344292

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.4	77.0
75	28.4	22.9	34.3



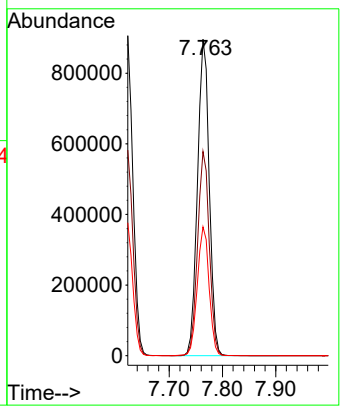


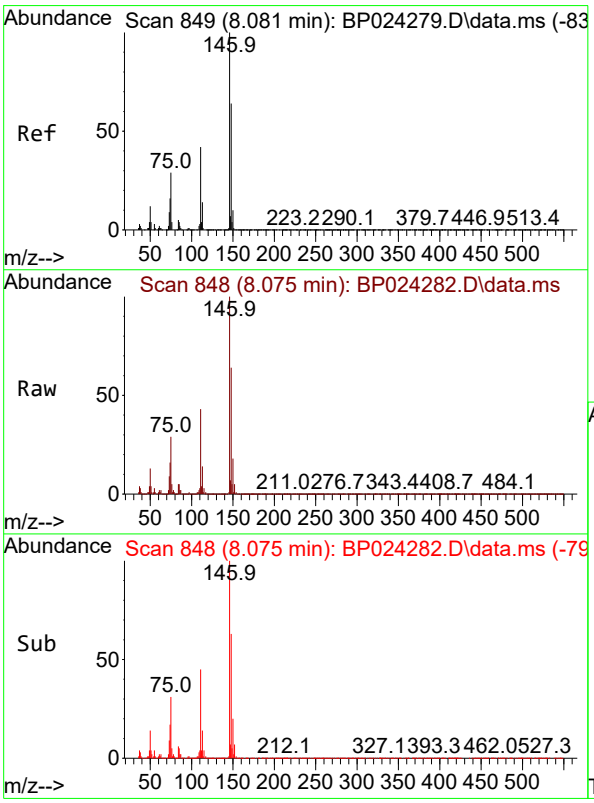
#13
1,4-Dichlorobenzene
Concen: 75.195 ng
RT: 7.763 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 1369087

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.1	76.7
111	40.7	32.6	48.8

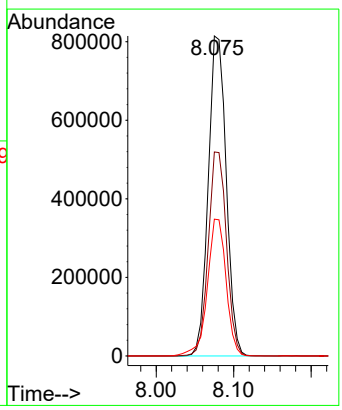


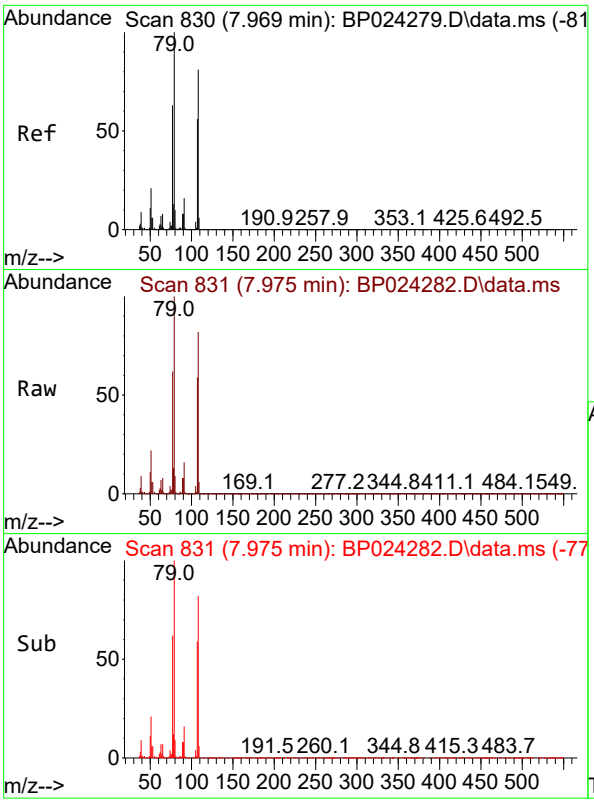


#14
1,2-Dichlorobenzene
Concen: 74.432 ng
RT: 8.075 min Scan# 848
Delta R.T. -0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:146 Resp: 1310407

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.4
111	42.7	33.8	50.8



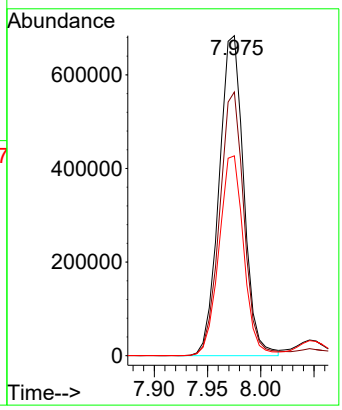


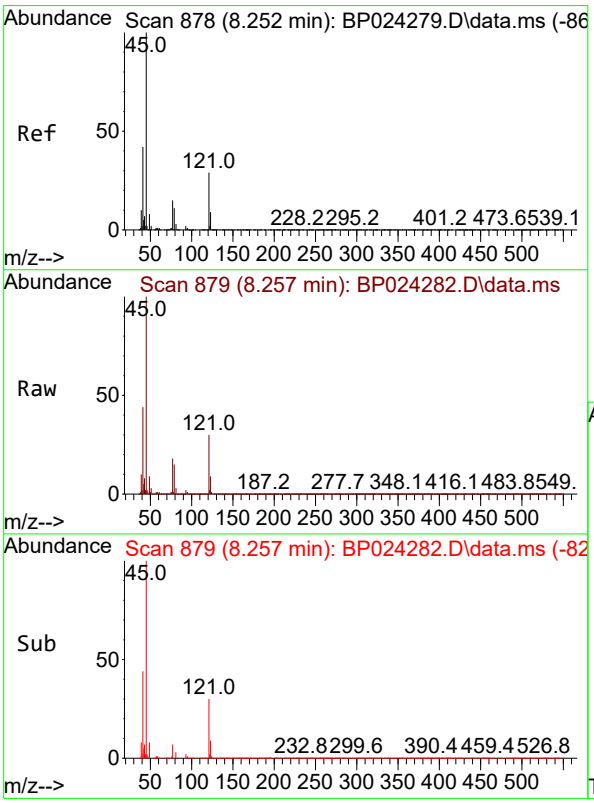
#15
Benzyl Alcohol
Concen: 84.492 ng
RT: 7.975 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 1098602

Ion	Ratio	Lower	Upper
79	100		
108	82.4	65.1	97.7
77	62.4	50.7	76.1

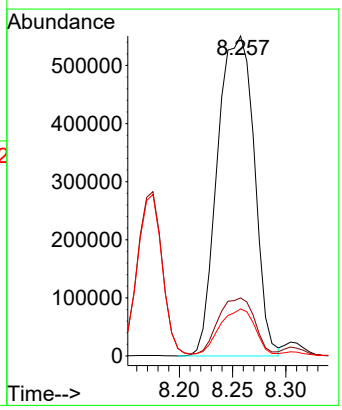


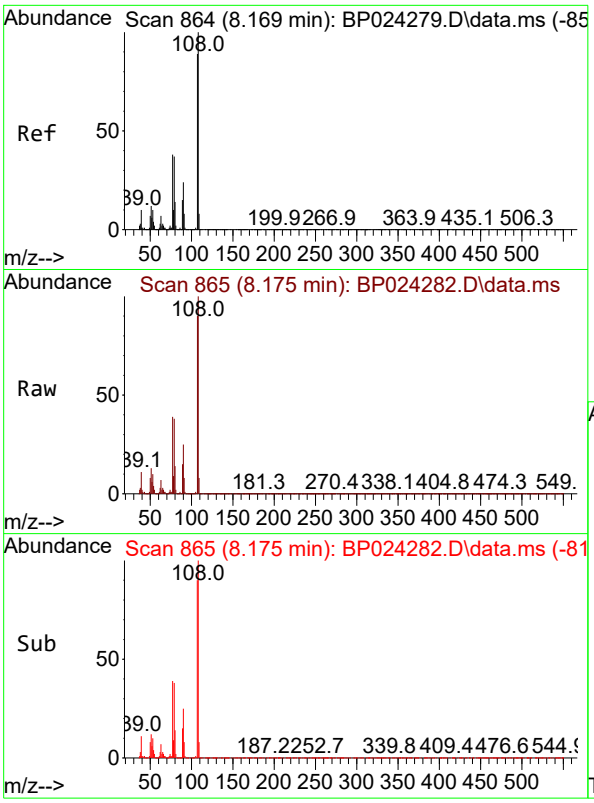


#16
2,2'-oxybis(1-Chloropropane)
Concen: 73.704 ng
RT: 8.257 min Scan# 879
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion: 45 Resp: 1319830

Ion	Ratio	Lower	Upper
45	100		
77	18.1	0.0	37.7
79	14.7	0.0	33.5



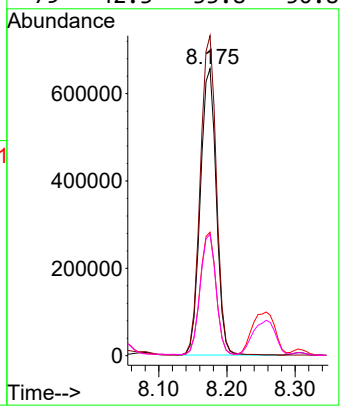


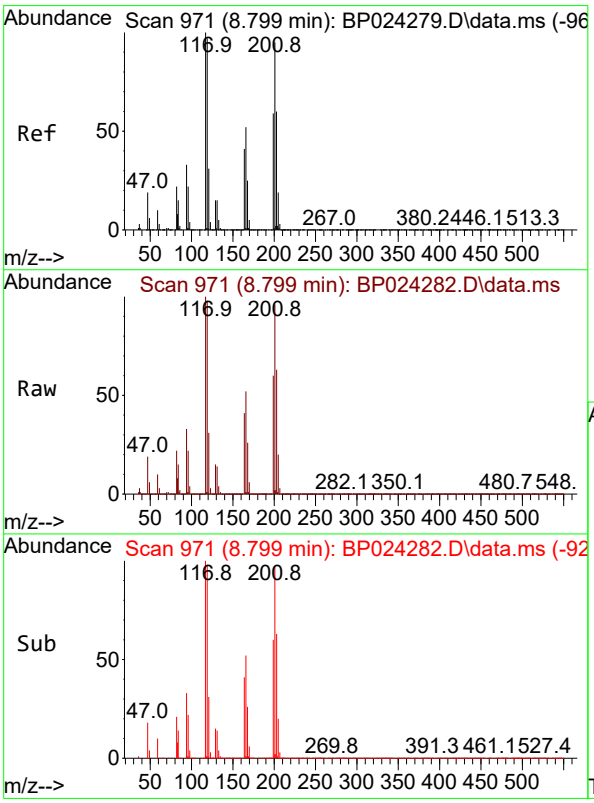
#17
2-Methylphenol
Concen: 81.101 ng
RT: 8.175 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 1064555

Ion	Ratio	Lower	Upper
107	100		
108	111.5	89.8	134.6
77	43.0	34.2	51.4
79	42.3	33.8	50.8

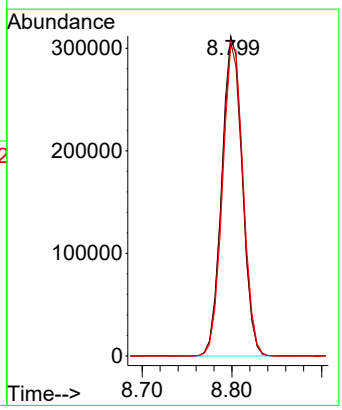


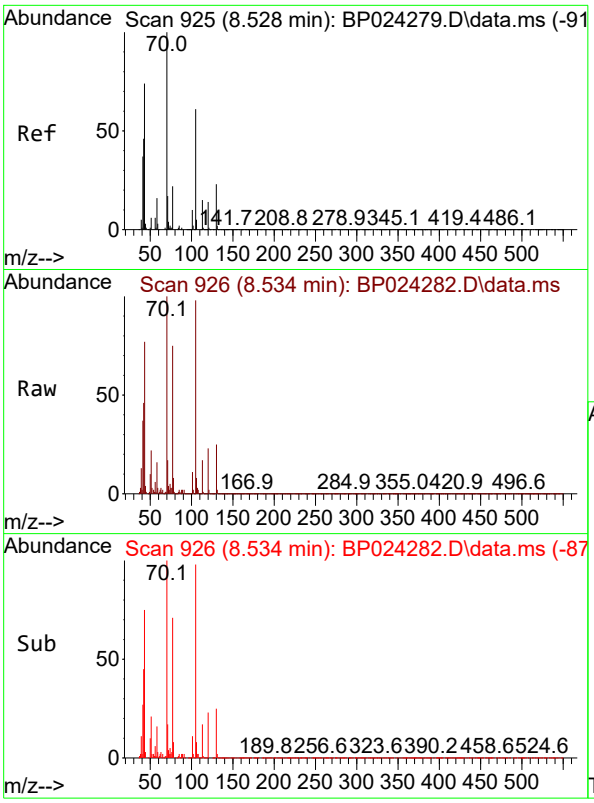


#18
Hexachloroethane
Concen: 75.920 ng
RT: 8.799 min Scan# 971
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:117 Resp: 498897

Ion	Ratio	Lower	Upper
117	100		
119	98.3	77.8	116.6
201	96.5	75.9	113.9



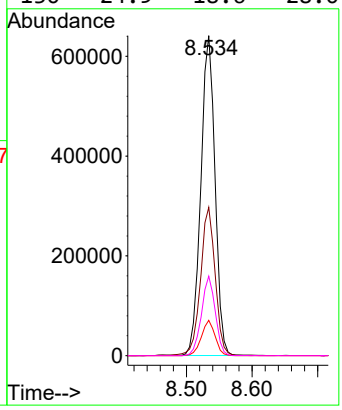


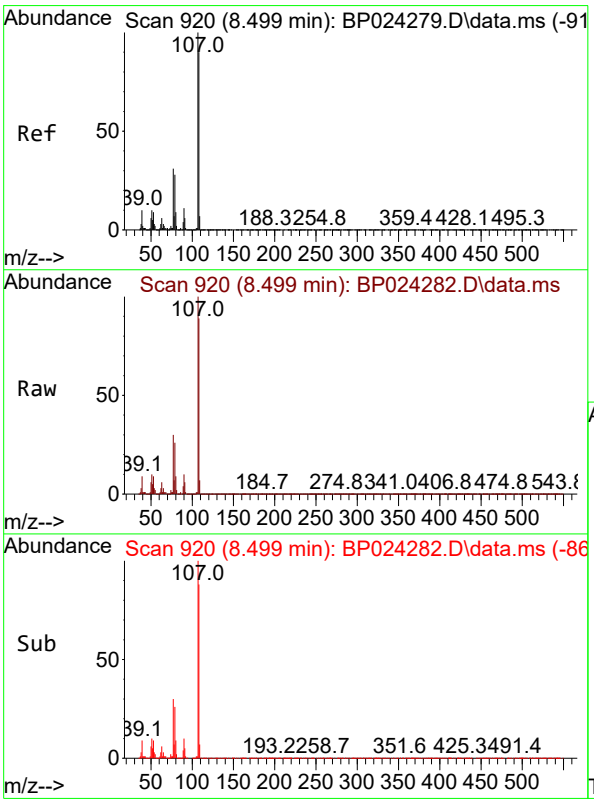
#19
n-Nitroso-di-n-propylamine
Concen: 76.844 ng
RT: 8.534 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 70 Resp: 968278

Ion	Ratio	Lower	Upper
70	100		
42	46.3	37.3	55.9
101	11.0	8.2	12.4
130	24.9	18.6	28.0

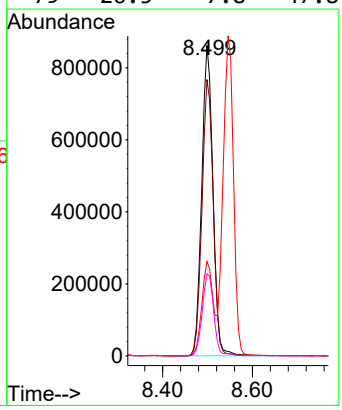


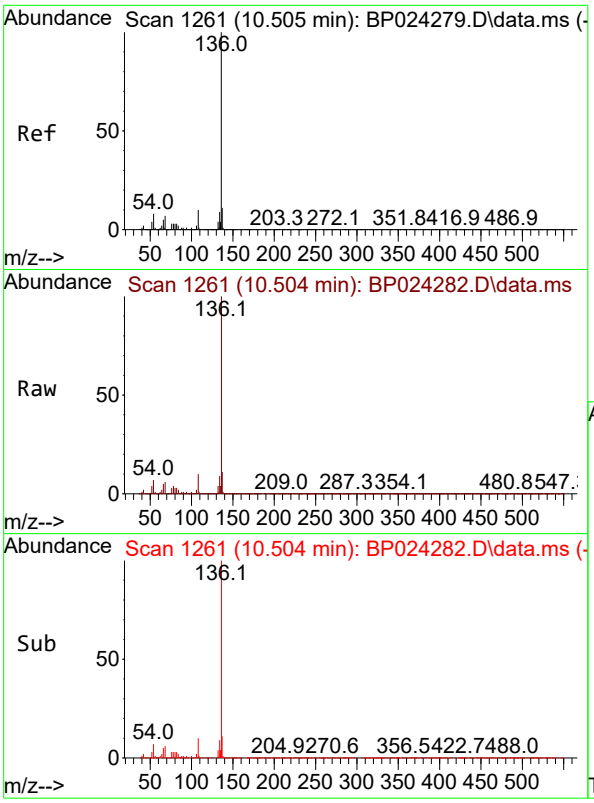


#20
3+4-Methylphenols
Concen: 82.092 ng
RT: 8.499 min Scan# 920
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:107 Resp: 1492527

Ion	Ratio	Lower	Upper
107	100		
108	89.0	69.8	109.8
77	30.4	11.5	51.5
79	26.5	7.8	47.8



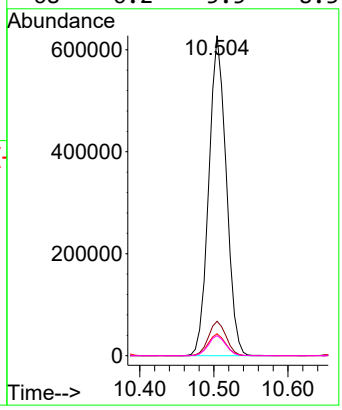


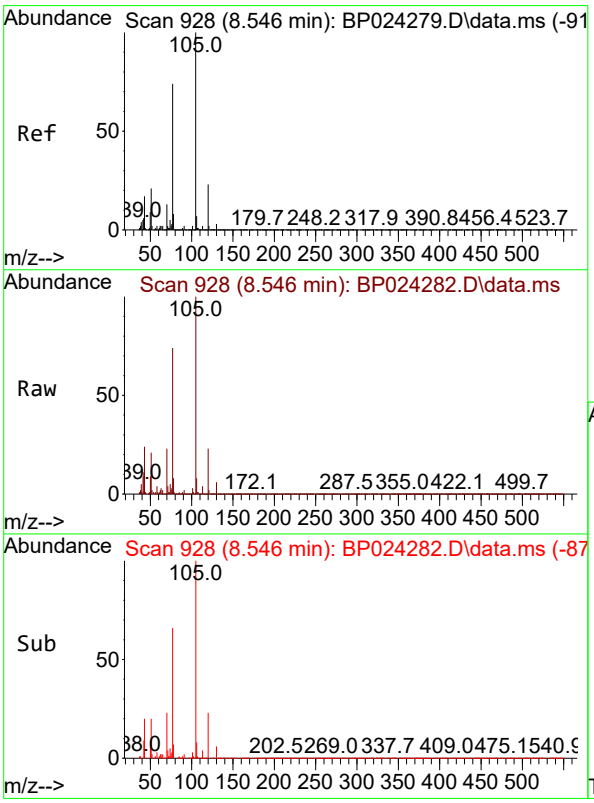
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.504 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:136 Resp: 1024316

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	6.9	6.0	9.0
68	6.2	5.5	8.3

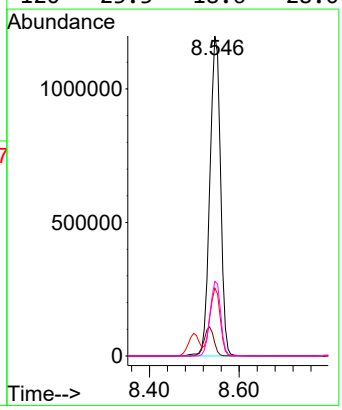


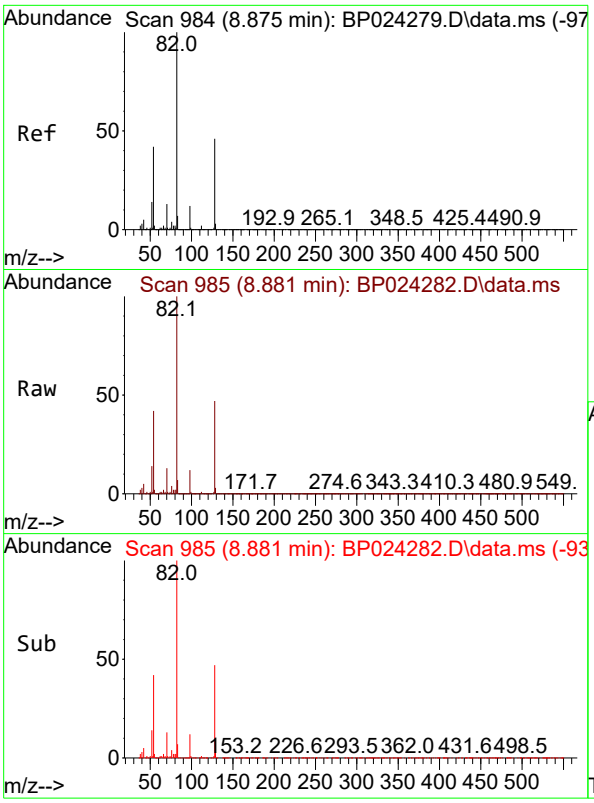


#22
Acetophenone
Concen: 77.680 ng
RT: 8.546 min Scan# 928
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:105 Resp: 1977578

Ion	Ratio	Lower	Upper
105	100		
71	4.0	1.7	2.5#
51	21.2	16.9	25.3
120	23.3	18.6	28.0



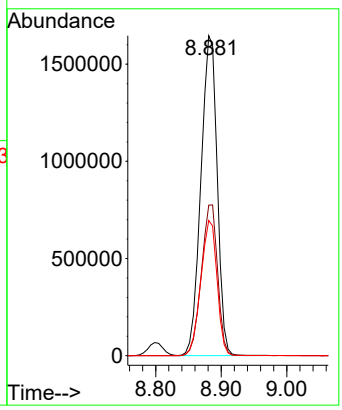


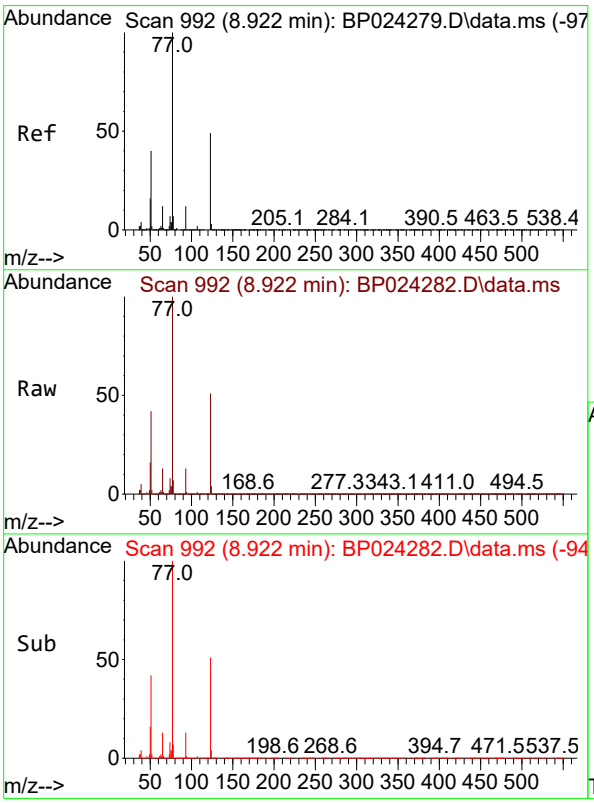
#23
Nitrobenzene-d5
Concen: 158.236 ng
RT: 8.881 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 2847003

Ion	Ratio	Lower	Upper
82	100		
128	47.0	36.5	54.7
54	42.3	33.4	50.2

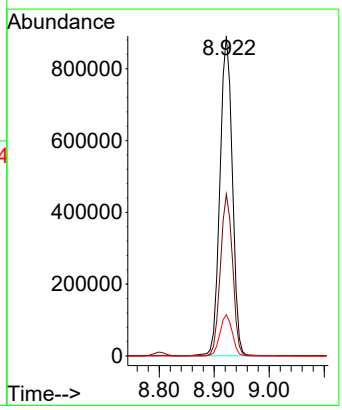


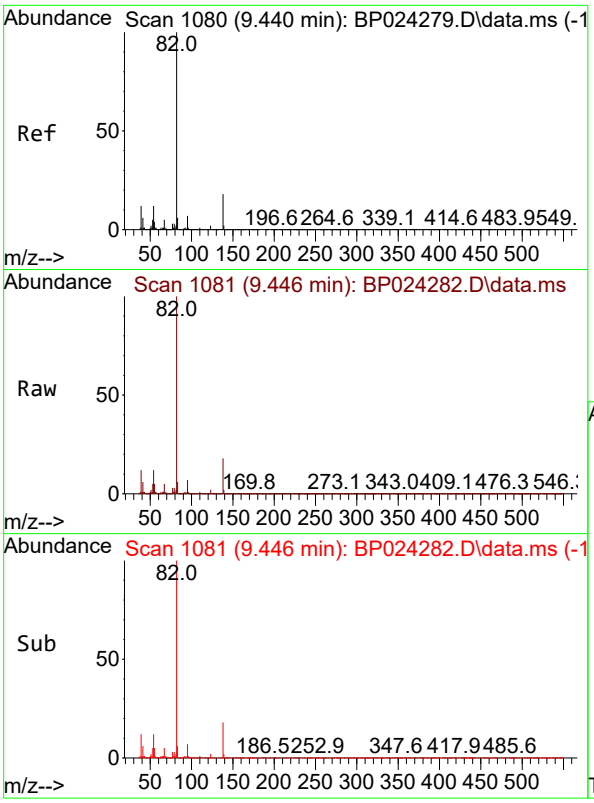


#24
Nitrobenzene
Concen: 78.066 ng
RT: 8.922 min Scan# 992
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion: 77 Resp: 1392093

Ion	Ratio	Lower	Upper
77	100		
123	50.5	39.2	58.8
65	12.9	9.8	14.6



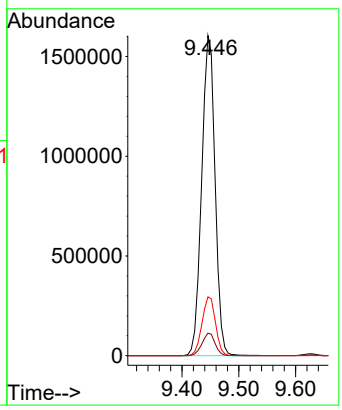


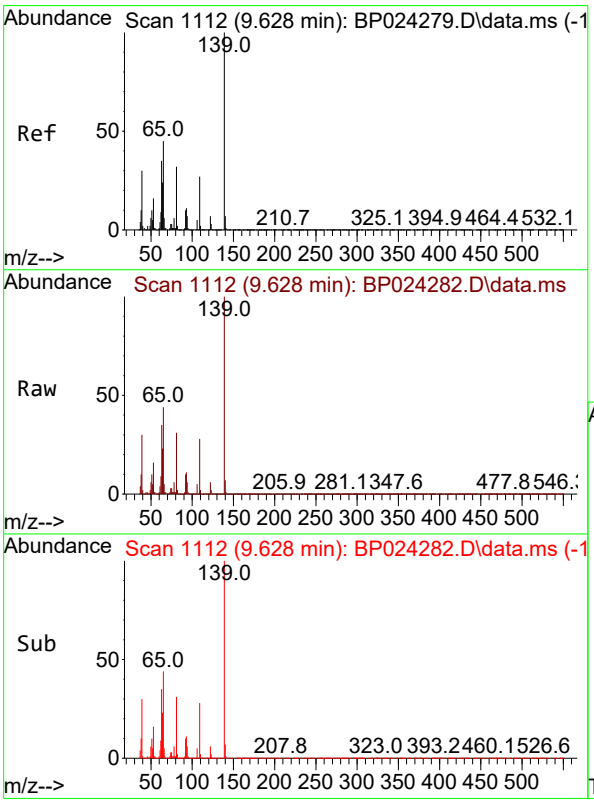
#25
Isophorone
Concen: 80.596 ng
RT: 9.446 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 2617853

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.4	8.2
138	18.4	14.4	21.6

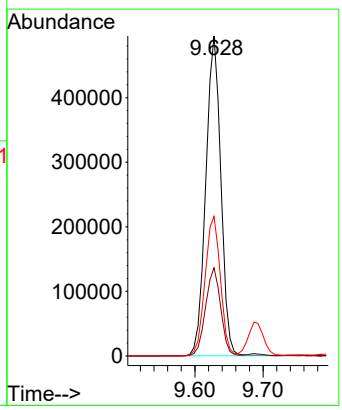


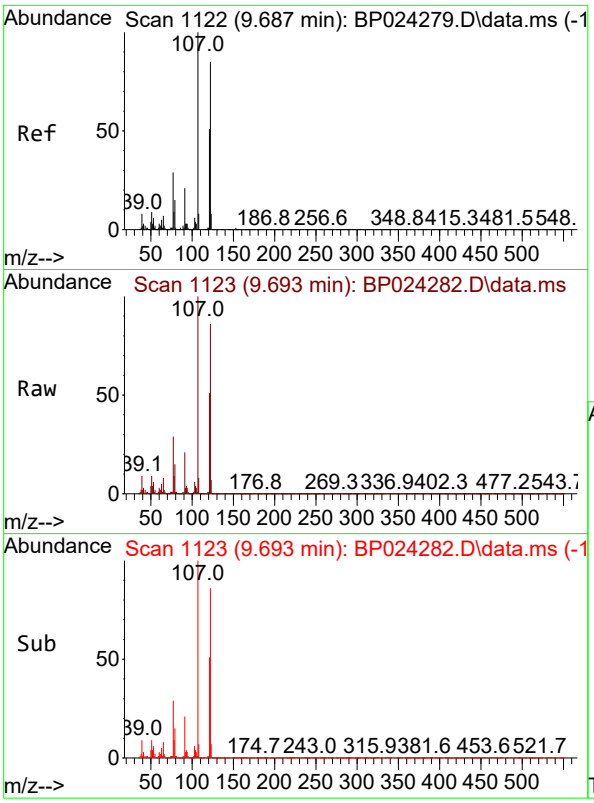


#26
2-Nitrophenol
Concen: 88.768 ng
RT: 9.628 min Scan# 1112
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:139 Resp: 760077

Ion	Ratio	Lower	Upper
139	100		
109	27.5	21.8	32.6
65	43.6	36.2	54.2



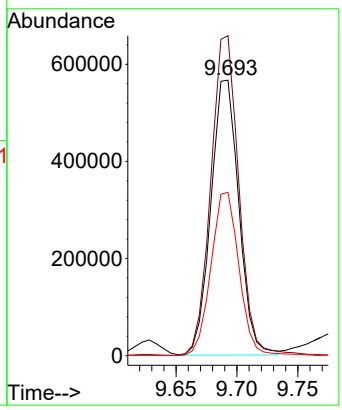


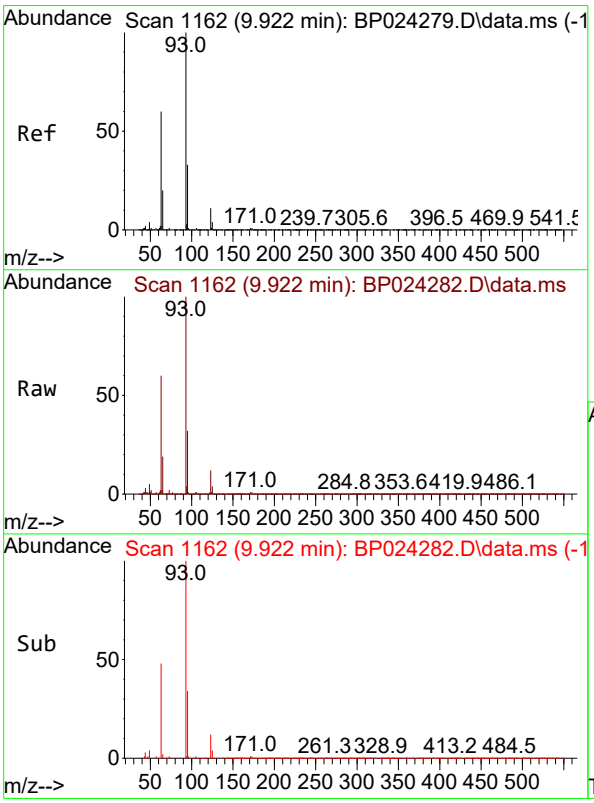
#27
2,4-Dimethylphenol
Concen: 83.475 ng
RT: 9.693 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 905891

Ion	Ratio	Lower	Upper
122	100		
107	116.1	93.7	140.5
121	59.3	48.2	72.2

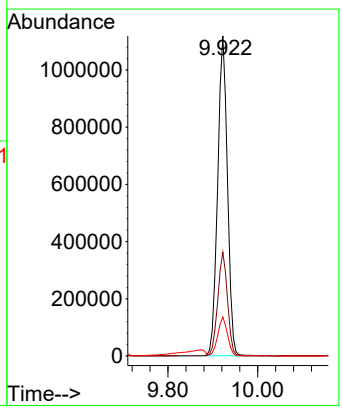


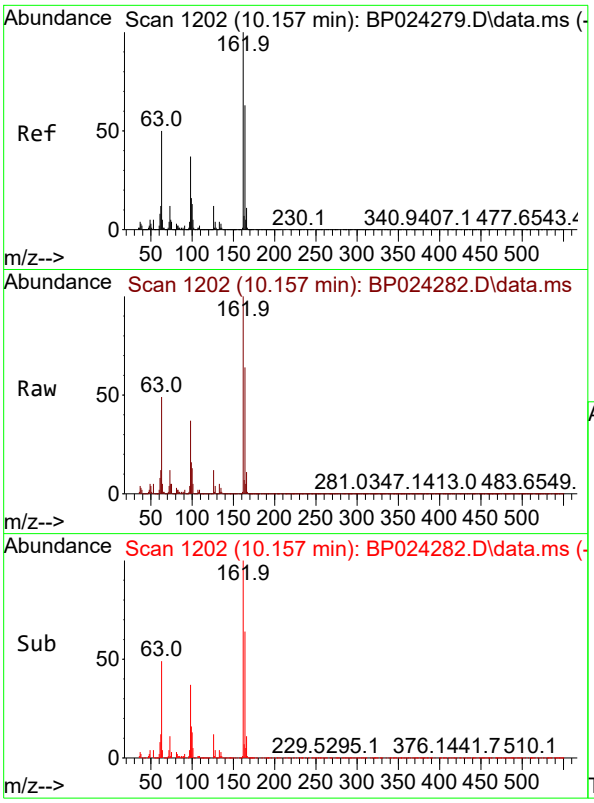


#28
bis(2-Chloroethoxy)methane
Concen: 76.434 ng
RT: 9.922 min Scan# 1162
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion: 93 Resp: 1689686

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.0	39.0
123	12.2	9.1	13.7



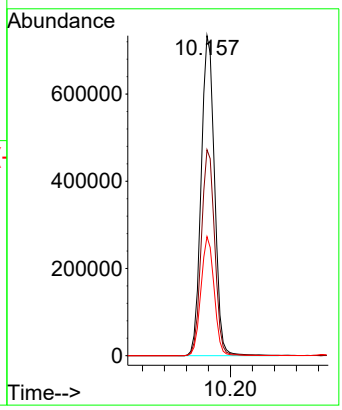


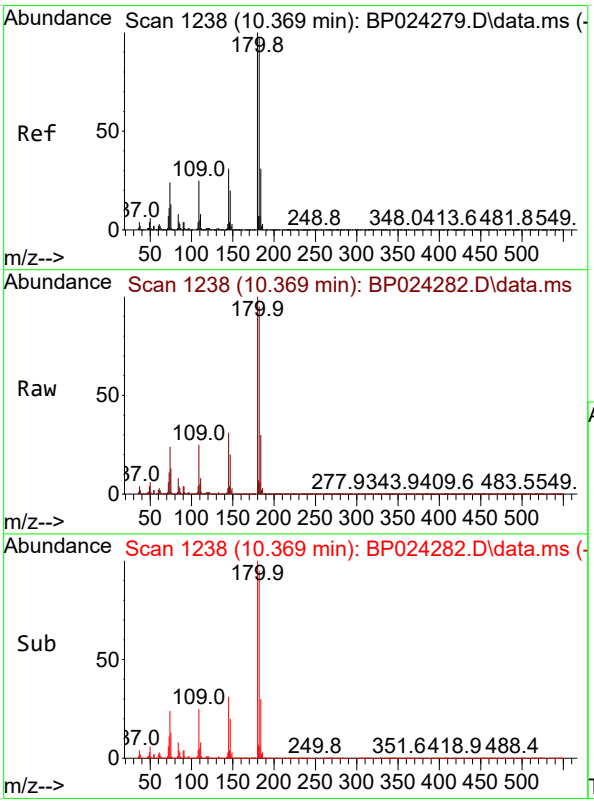
#29
2,4-Dichlorophenol
Concen: 83.719 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 1238253

Ion	Ratio	Lower	Upper
162	100		
164	64.3	43.3	83.3
98	37.2	16.6	56.6

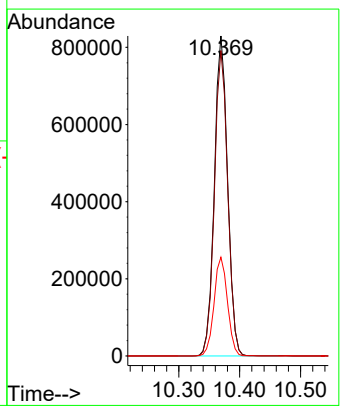


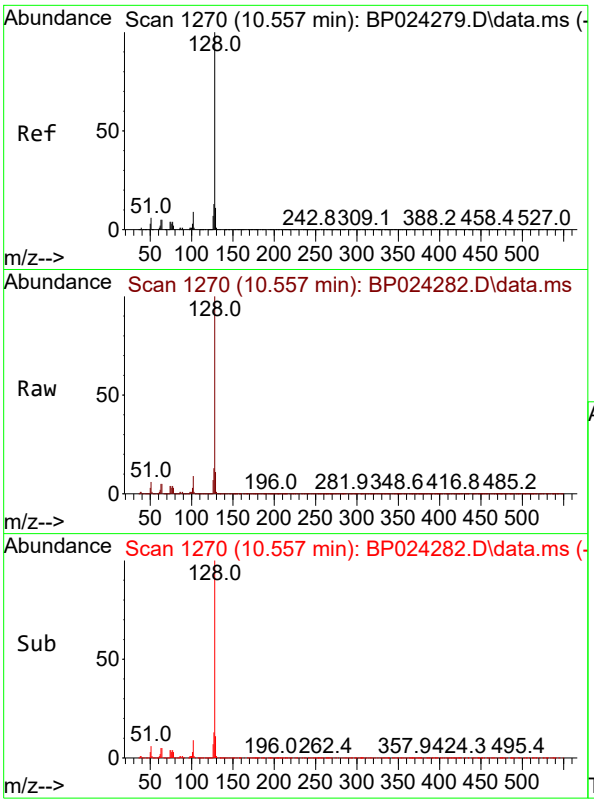


#30
1,2,4-Trichlorobenzene
Concen: 78.272 ng
RT: 10.369 min Scan# 1238
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:180 Resp: 1252476

Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.3	115.9
145	30.9	25.1	37.7



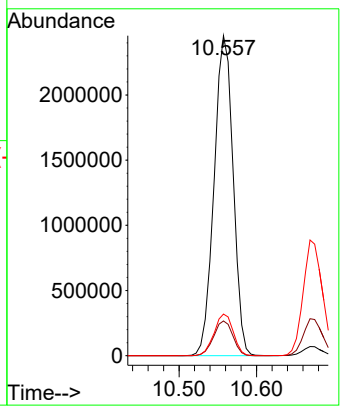


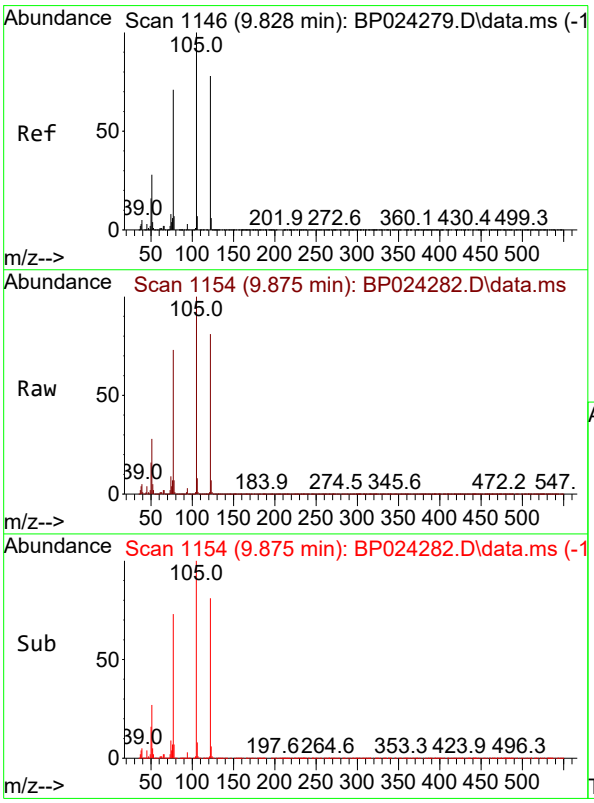
#31
Naphthalene
Concen: 77.287 ng
RT: 10.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:128 Resp: 4190486

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	13.0	10.3	15.5

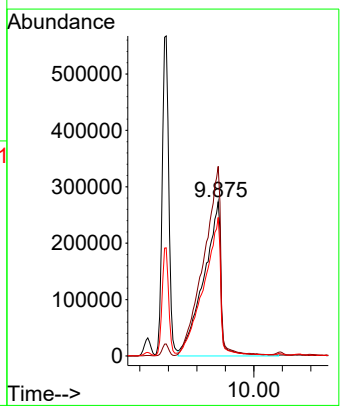


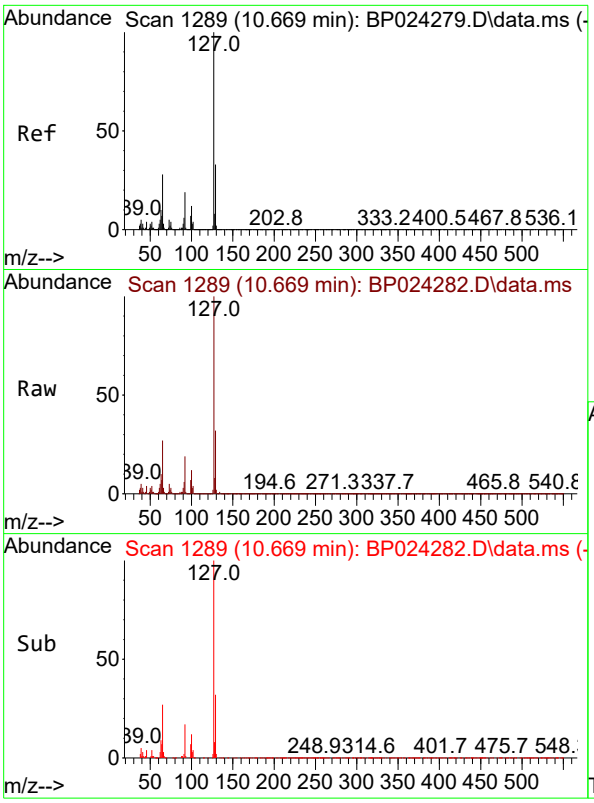


#32
Benzoic acid
Concen: 98.425 ng m
RT: 9.875 min Scan# 1154
Delta R.T. 0.047 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:122 Resp: 1154243

Ion	Ratio	Lower	Upper
122	100		
105	122.9	104.8	144.8
77	89.8	69.2	109.2



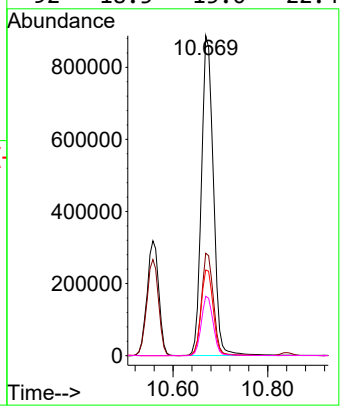


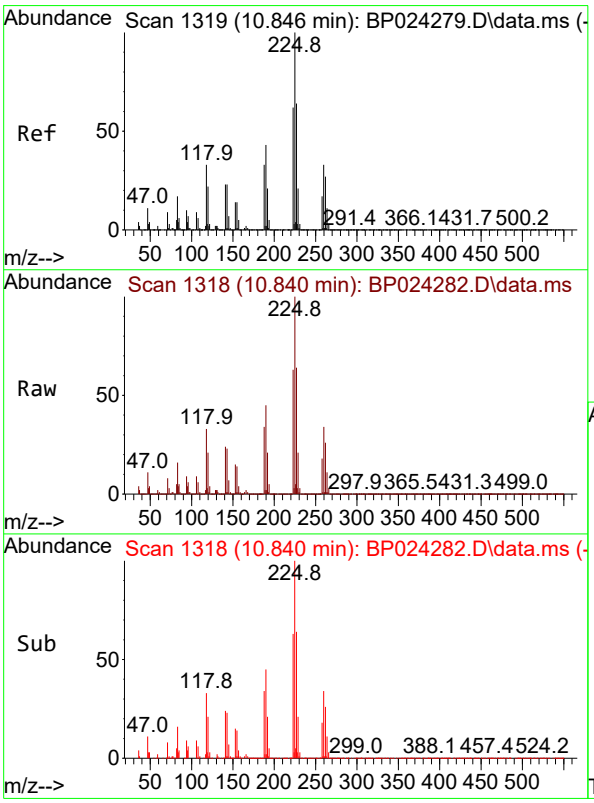
#33
4-Chloroaniline
Concen: 81.682 ng
RT: 10.669 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:127 Resp: 1547427

Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.1	39.1
65	26.8	22.1	33.1
92	18.5	15.0	22.4

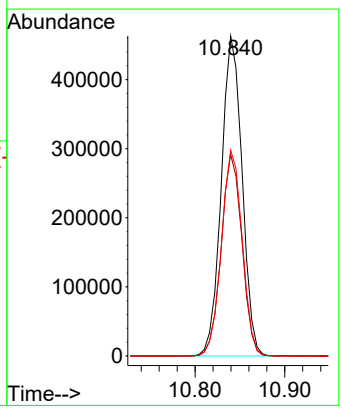


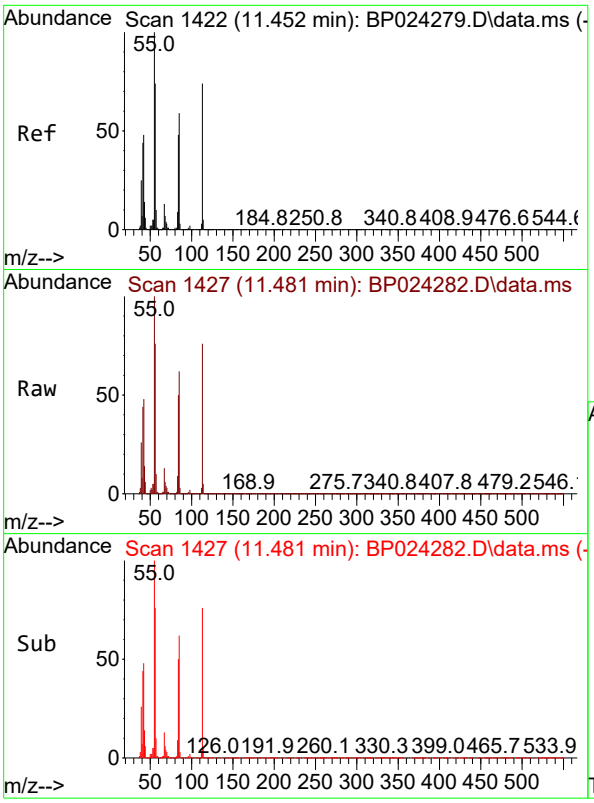


#34
Hexachlorobutadiene
Concen: 79.240 ng
RT: 10.840 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:225 Resp: 743811

Ion	Ratio	Lower	Upper
225	100		
223	63.0	49.5	74.3
227	64.3	50.9	76.3



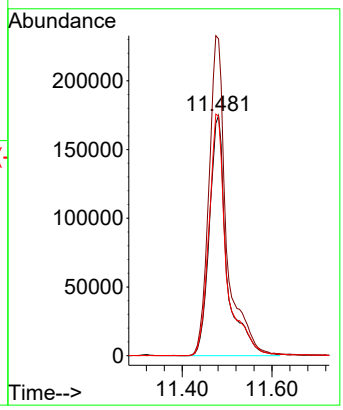


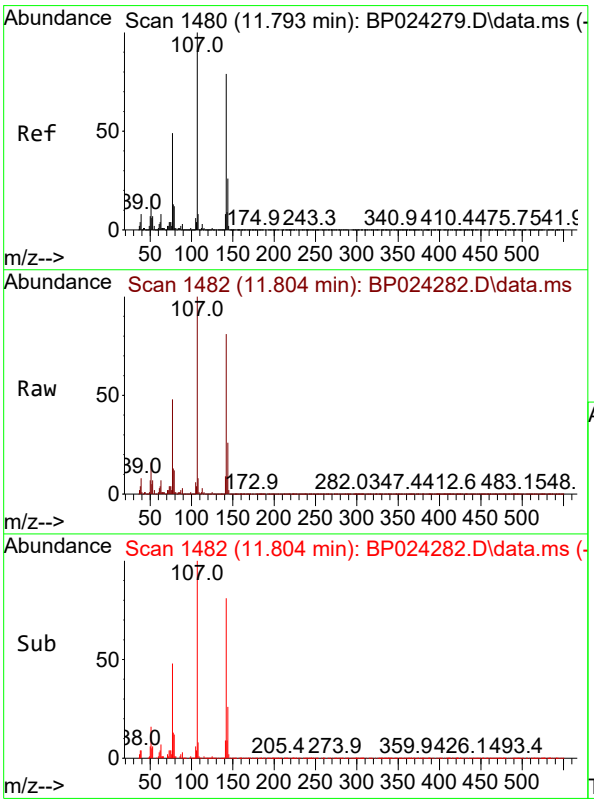
#35
Caprolactam
Concen: 86.534 ng
RT: 11.481 min Scan# 14
Delta R.T. 0.029 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:113 Resp: 469910

Ion	Ratio	Lower	Upper
113	100		
55	131.9	115.9	155.9
56	99.8	81.1	121.1

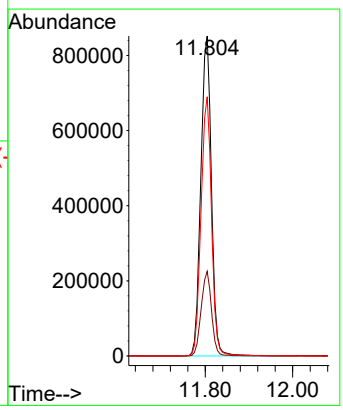


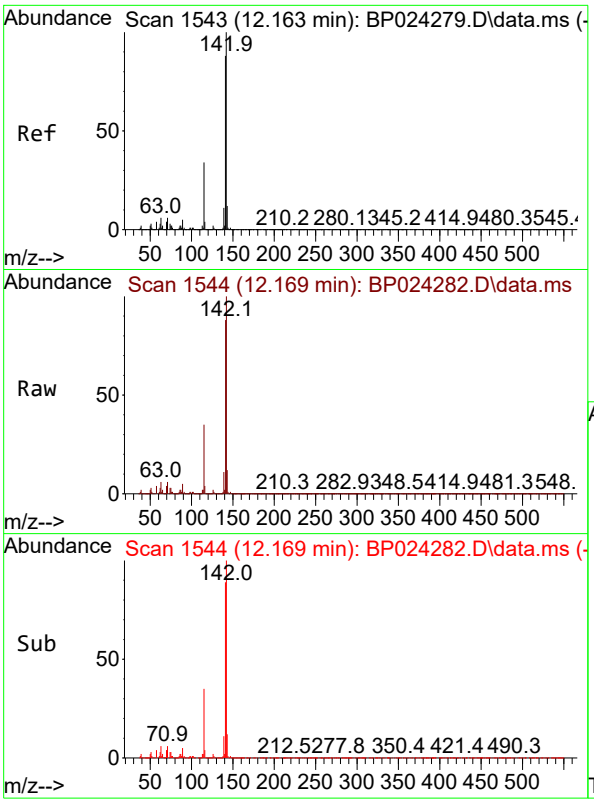


#36
4-Chloro-3-methylphenol
Concen: 83.468 ng
RT: 11.804 min Scan# 1482
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:107 Resp: 1438601

Ion	Ratio	Lower	Upper
107	100		
144	26.4	20.5	30.7
142	81.0	63.4	95.2



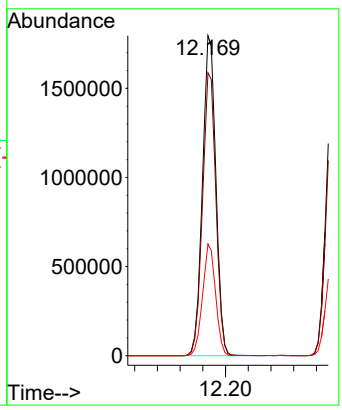


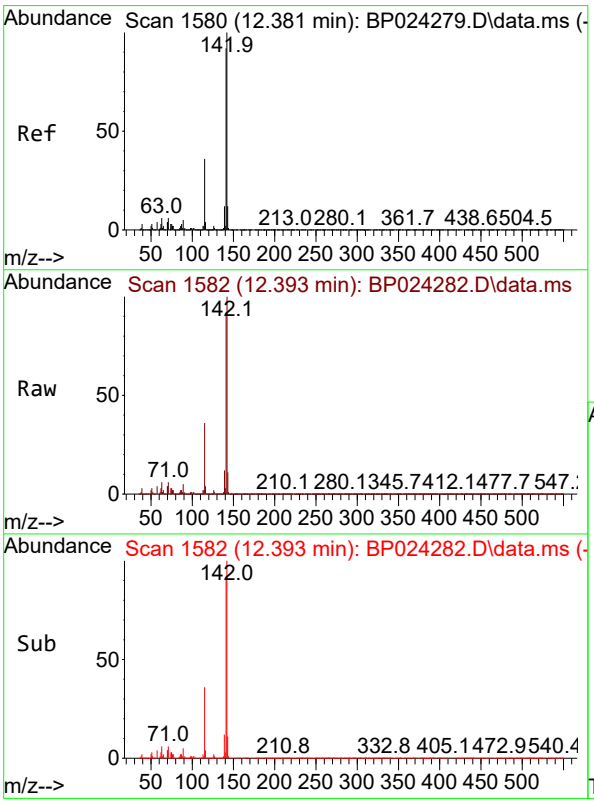
#37
2-Methylnaphthalene
Concen: 77.673 ng
RT: 12.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 2918685

Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.3	105.5
115	34.9	26.9	40.3

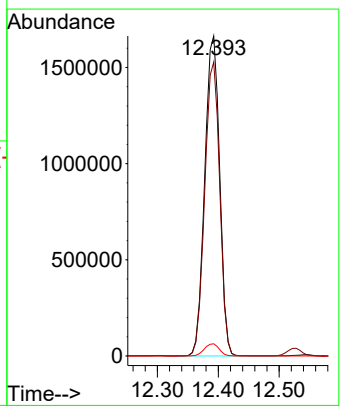


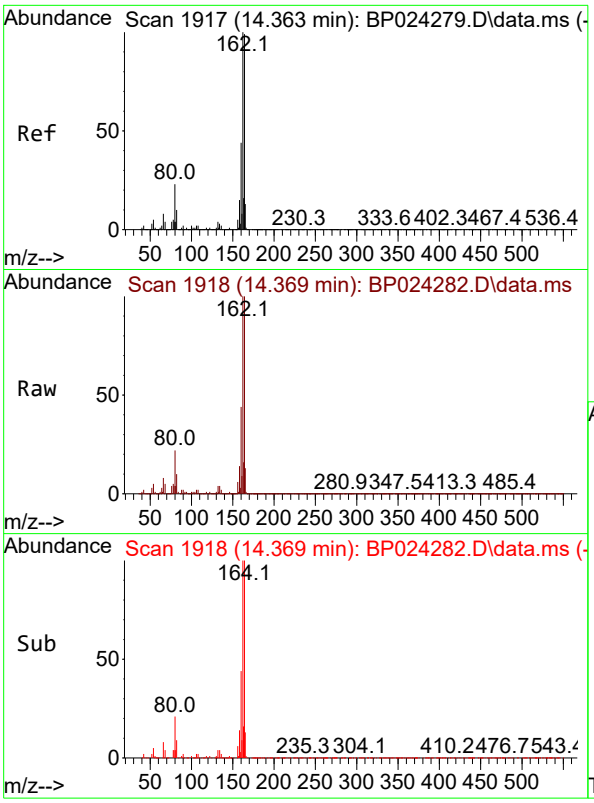


#38
1-Methylnaphthalene
Concen: 76.912 ng
RT: 12.393 min Scan# 1582
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:142 Resp: 2831173

Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.6	110.4
116	3.8	3.0	4.6



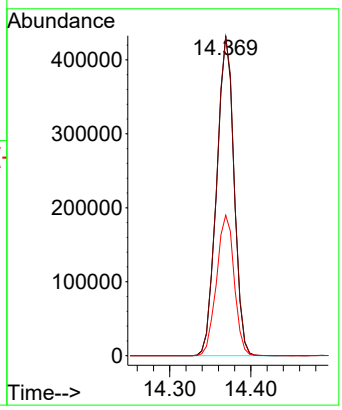


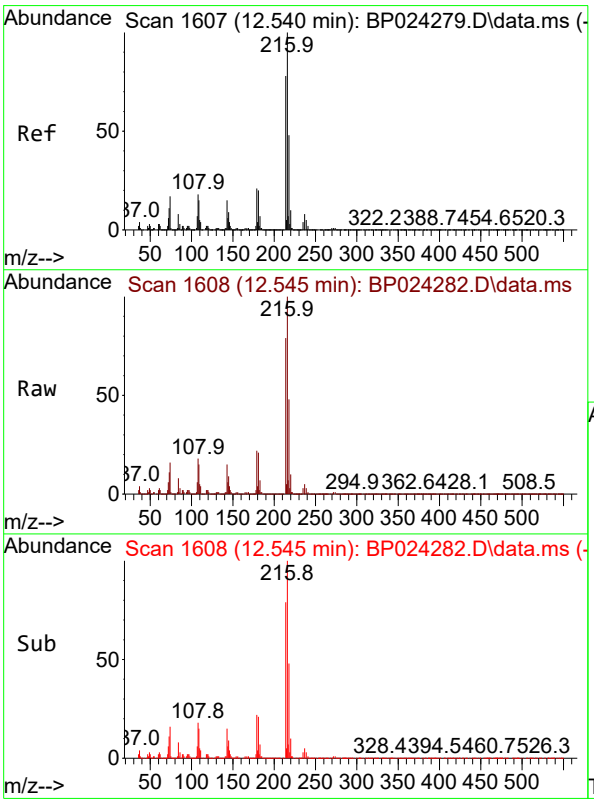
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.369 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:164 Resp: 641442

Ion	Ratio	Lower	Upper
164	100		
162	99.6	80.6	120.8
160	43.9	35.3	52.9

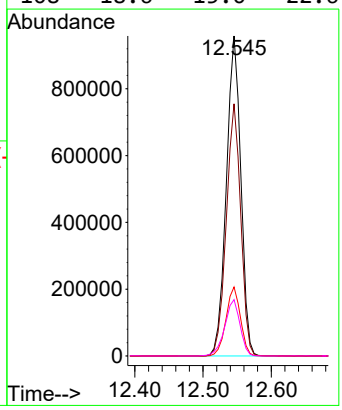


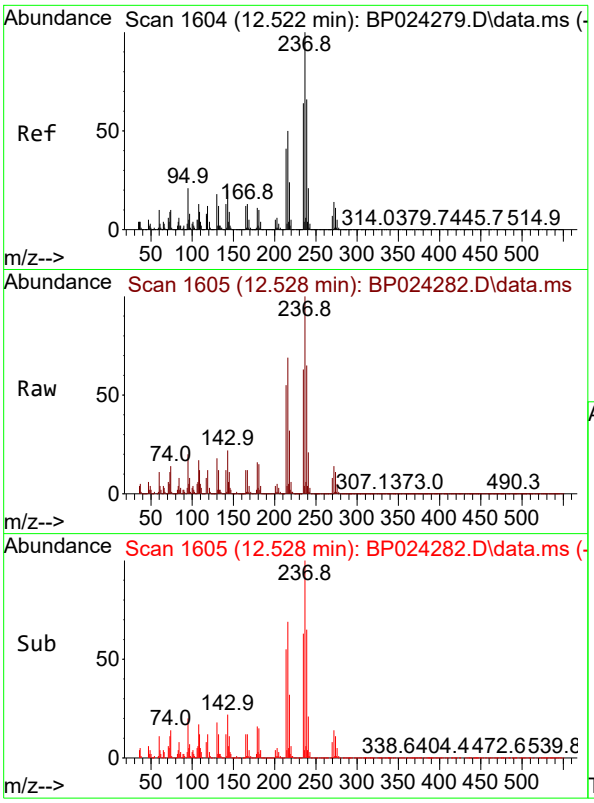


#40
1,2,4,5-Tetrachlorobenzene
Concen: 80.378 ng
RT: 12.545 min Scan# 1608
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:216 Resp: 1416894

Ion	Ratio	Lower	Upper
216	100		
214	78.4	62.6	93.8
179	21.5	17.2	25.8
108	18.6	15.0	22.6



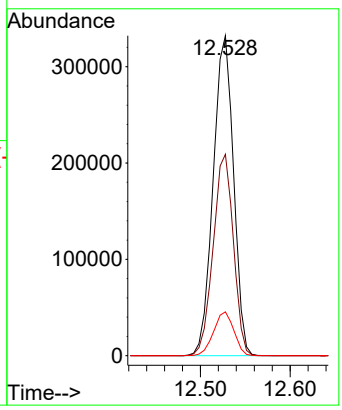


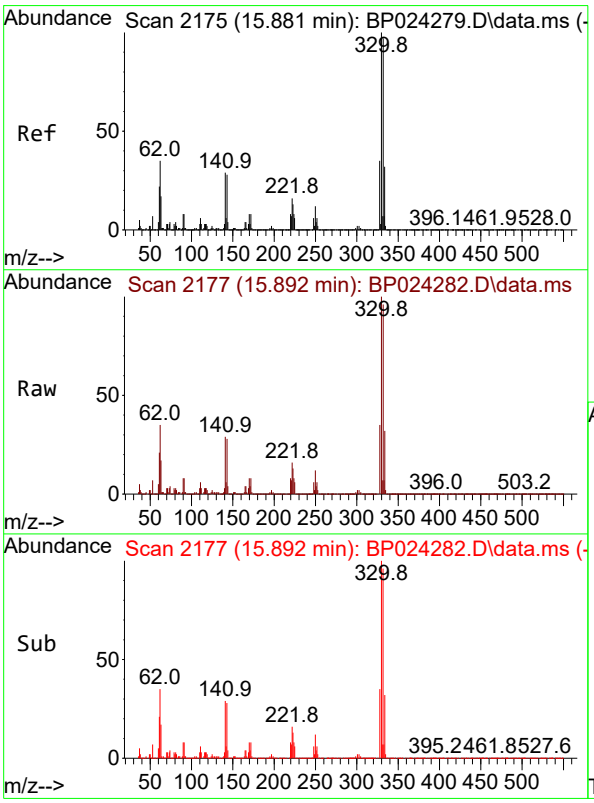
#41
Hexachlorocyclopentadiene
Concen: 84.532 ng
RT: 12.528 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:237 Resp: 523136

Ion	Ratio	Lower	Upper
237	100		
235	62.9	43.9	83.9
272	13.7	0.0	33.6

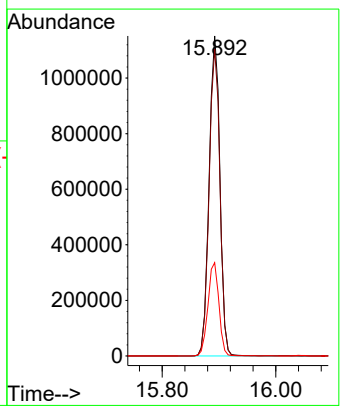


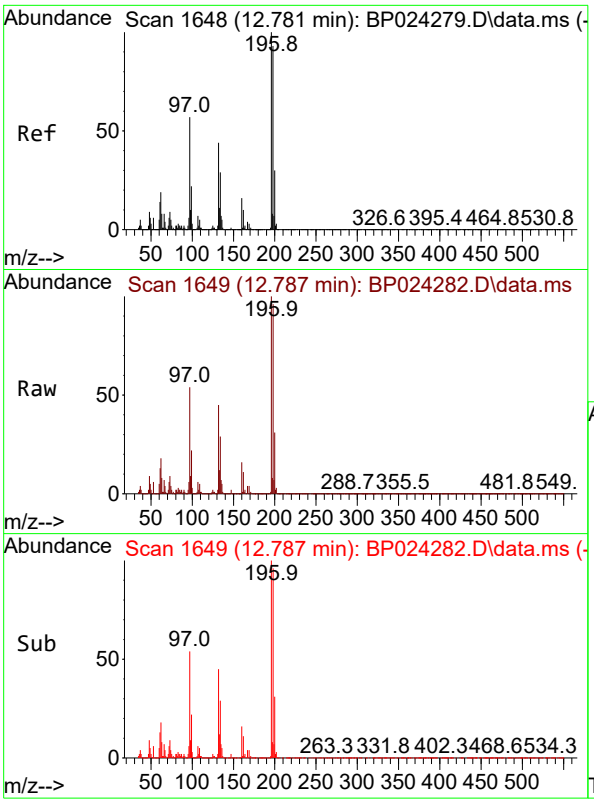


#42
2,4,6-Tribromophenol
Concen: 171.633 ng
RT: 15.892 min Scan# 2177
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:330 Resp: 1507534

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.1	115.7
141	29.7	24.7	37.1



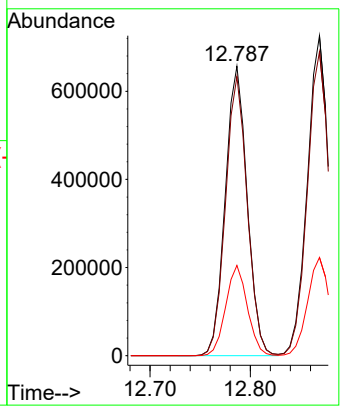


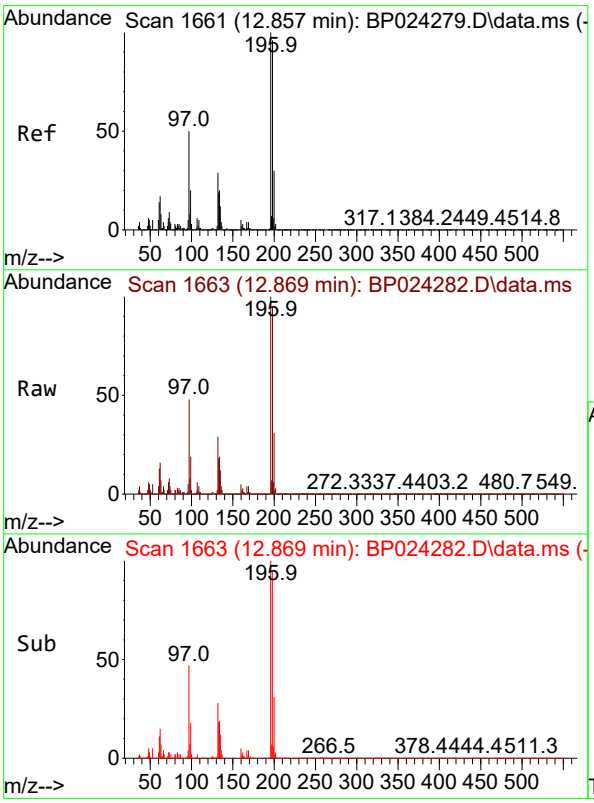
#43
2,4,6-Trichlorophenol
Concen: 86.244 ng
RT: 12.787 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:196 Resp: 1000309

Ion	Ratio	Lower	Upper
196	100		
198	96.5	74.3	111.5
200	31.2	24.0	36.0

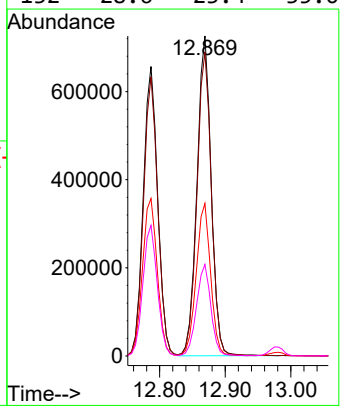


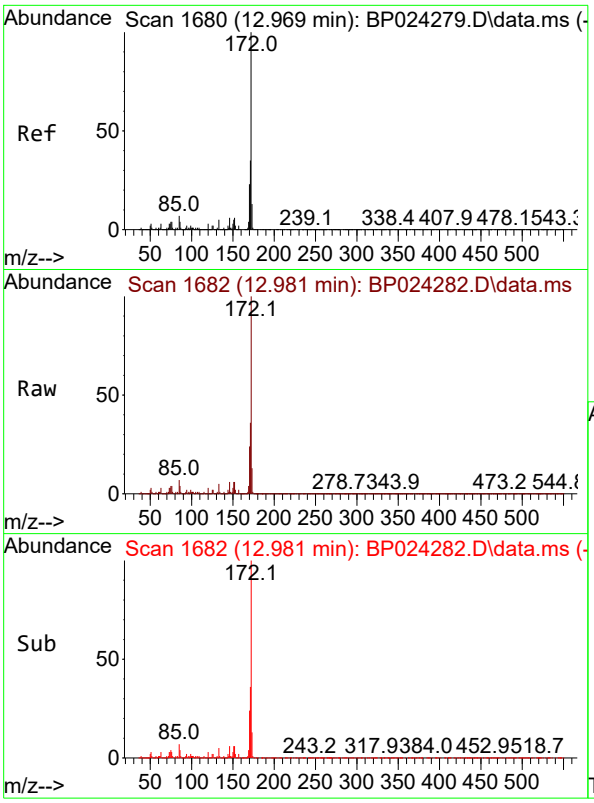


#44
2,4,5-Trichlorophenol
Concen: 85.819 ng
RT: 12.869 min Scan# 1663
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:196 Resp: 1103073

Ion	Ratio	Lower	Upper
196	100		
198	95.0	77.3	115.9
97	47.7	40.4	60.6
132	28.6	23.4	35.0



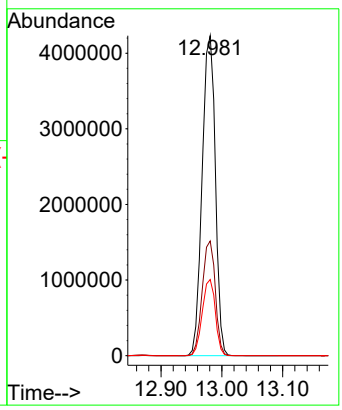


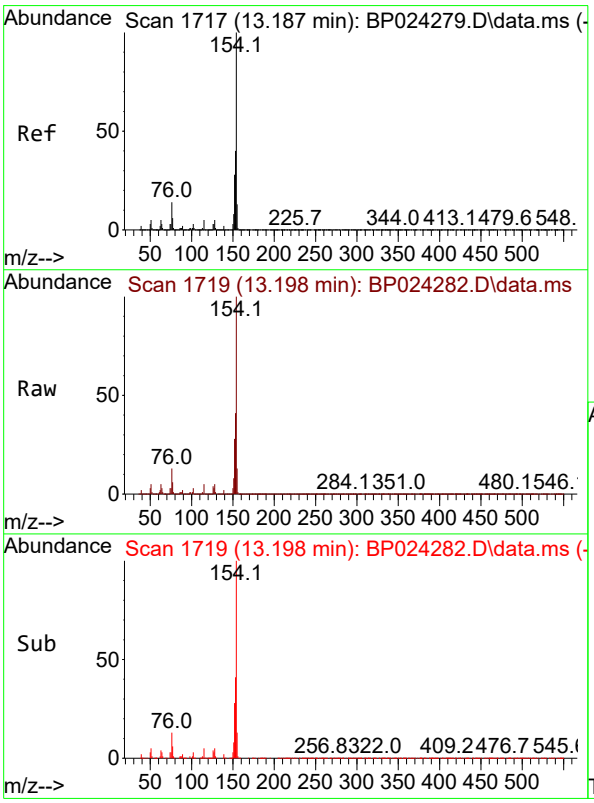
#45
2-Fluorobiphenyl
Concen: 150.596 ng
RT: 12.981 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:172 Resp: 6362479

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.2	42.2
170	23.8	18.6	27.8

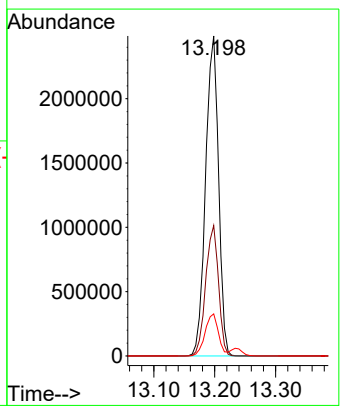


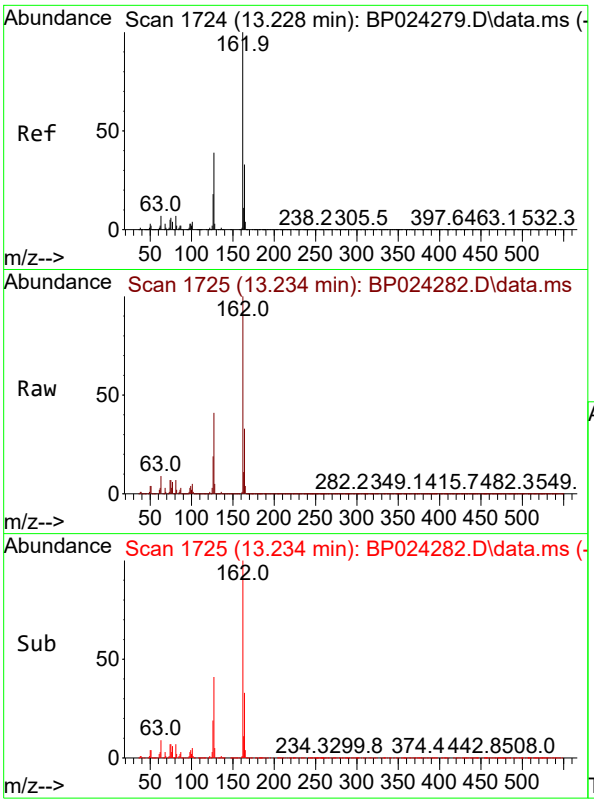


#46
1,1'-Biphenyl
Concen: 77.381 ng
RT: 13.198 min Scan# 1719
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:154 Resp: 3665607

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.3	60.3
76	13.2	0.0	33.5



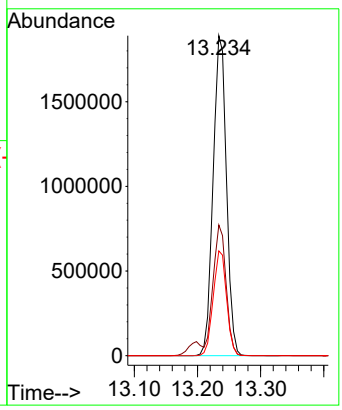


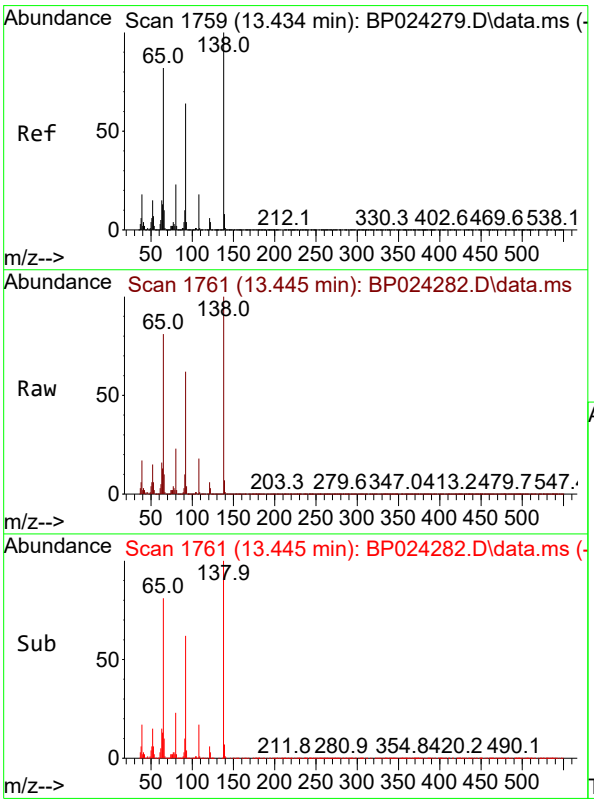
#47
2-Chloronaphthalene
Concen: 78.257 ng
RT: 13.234 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 2766302

Ion	Ratio	Lower	Upper
162	100		
127	40.9	31.9	47.9
164	32.8	26.2	39.4

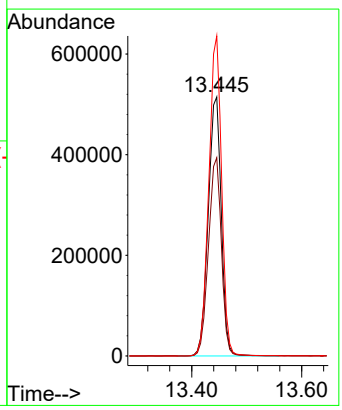


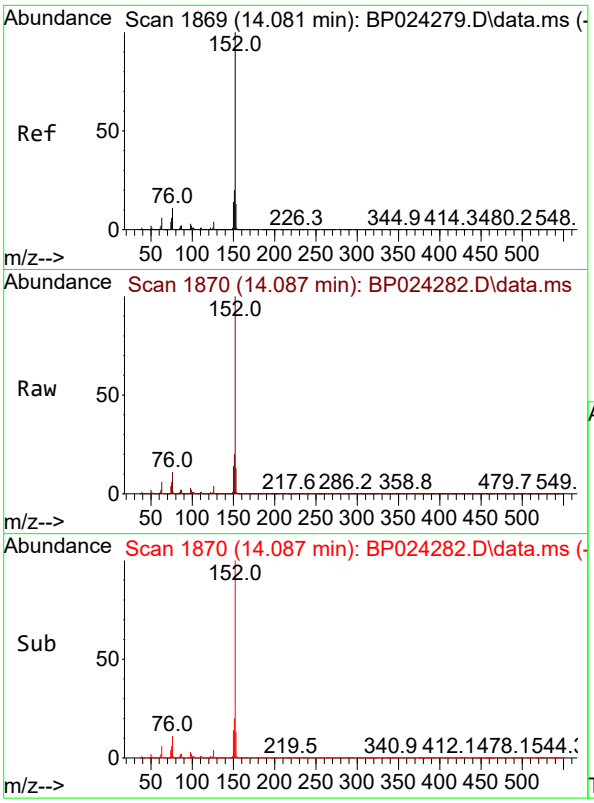


#48
2-Nitroaniline
Concen: 86.912 ng
RT: 13.445 min Scan# 1761
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion: 65 Resp: 848619

Ion	Ratio	Lower	Upper
65	100		
92	76.5	62.3	93.5
138	123.5	97.2	145.8



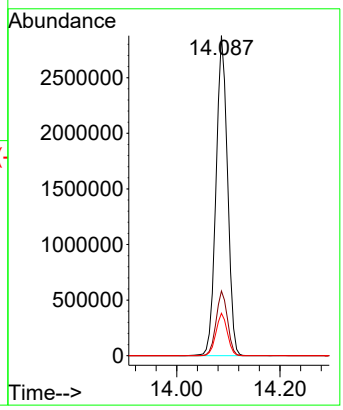


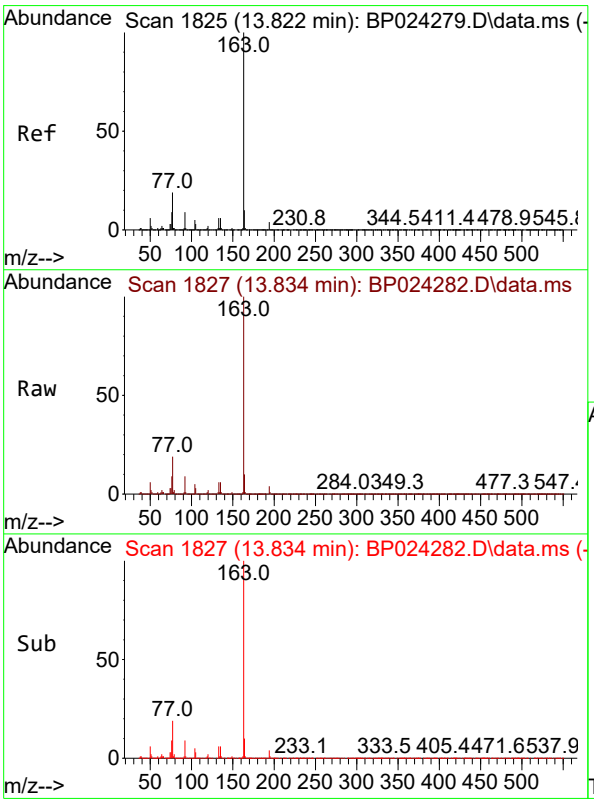
#49
Acenaphthylene
Concen: 80.004 ng
RT: 14.087 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 4438648

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.9	23.9
153	13.2	10.6	15.8

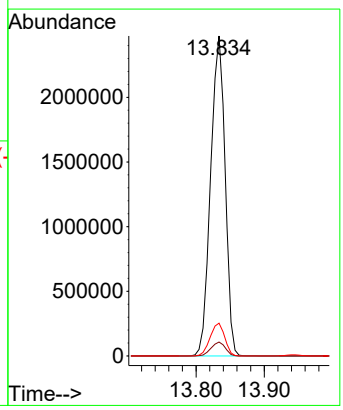


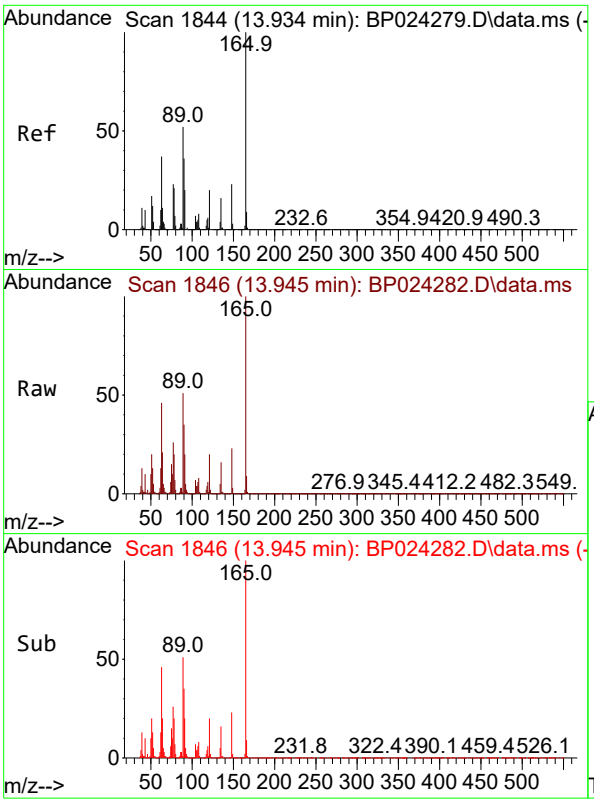


#50
Dimethylphthalate
Concen: 78.201 ng
RT: 13.834 min Scan# 1827
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:163 Resp: 3659579

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	10.3	8.0	12.0



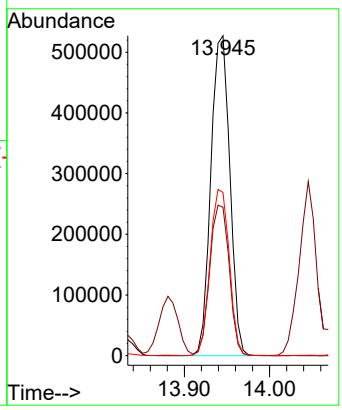


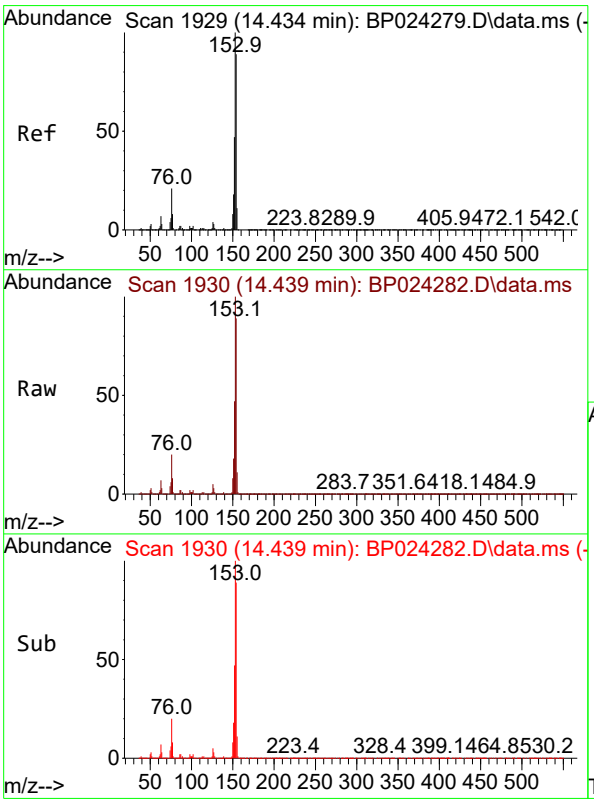
#51
2,6-Dinitrotoluene
Concen: 82.589 ng
RT: 13.945 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 814314

Ion	Ratio	Lower	Upper
165	100		
63	46.4	38.0	57.0
89	51.0	41.7	62.5

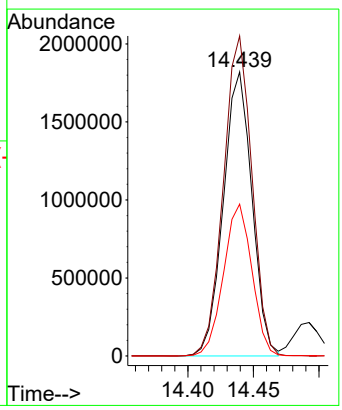


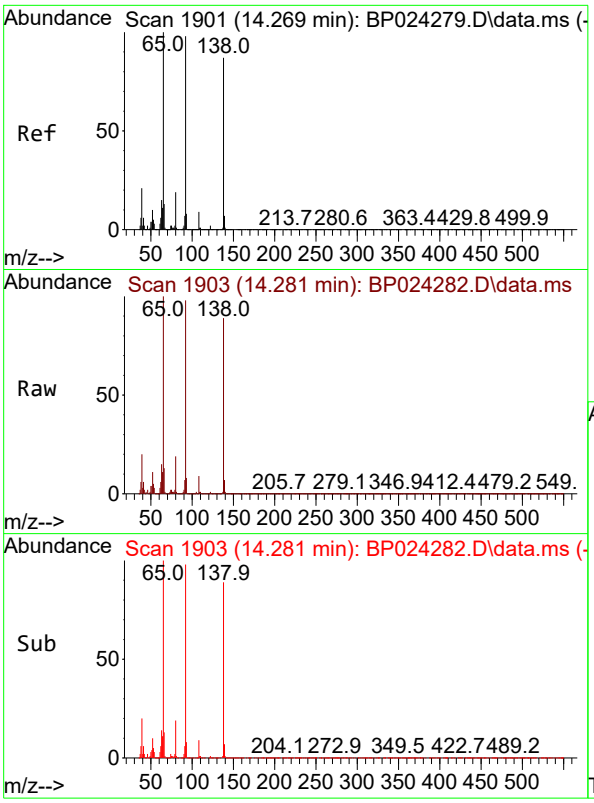


#52
Acenaphthene
Concen: 78.270 ng
RT: 14.439 min Scan# 1930
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:154 Resp: 2761536

Ion	Ratio	Lower	Upper
154	100		
153	112.7	89.8	134.6
152	53.5	42.6	63.8



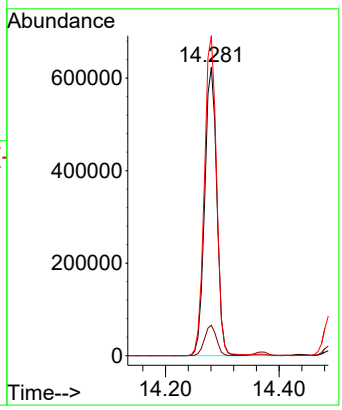


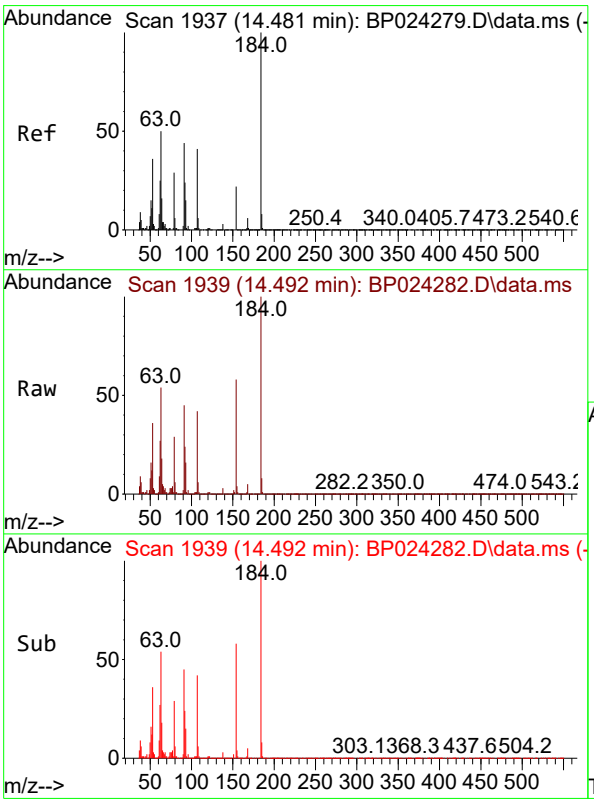
#53
3-Nitroaniline
Concen: 89.913 ng
RT: 14.281 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 919775

Ion	Ratio	Lower	Upper
138	100		
108	10.5	8.3	12.5
92	111.0	89.8	134.8

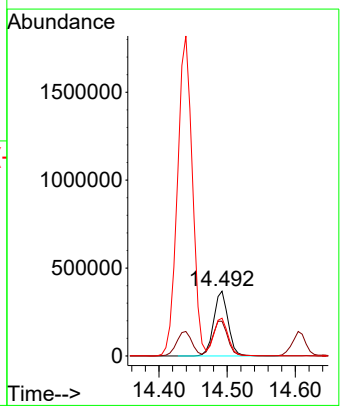


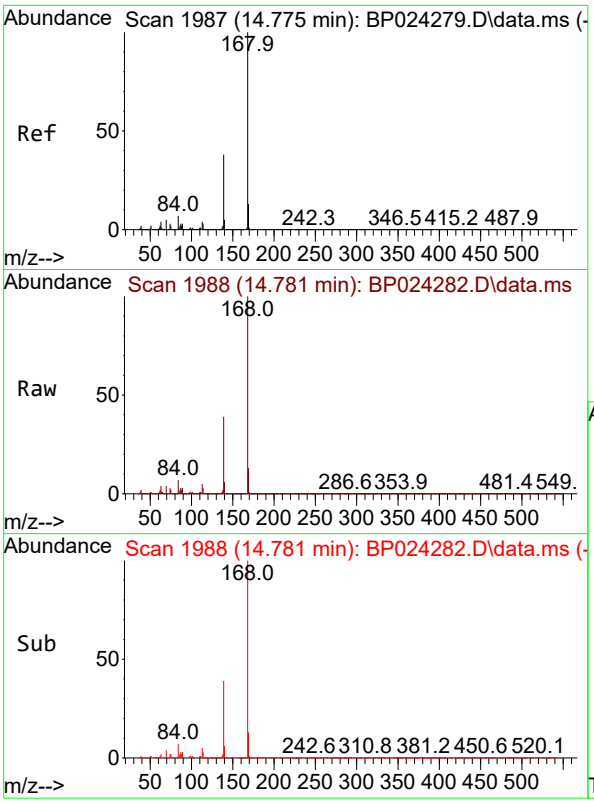


#54
2,4-Dinitrophenol
Concen: 102.567 ng
RT: 14.492 min Scan# 1939
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:184 Resp: 541483

Ion	Ratio	Lower	Upper
184	100		
63	53.6	42.6	64.0
154	58.2	47.2	70.8



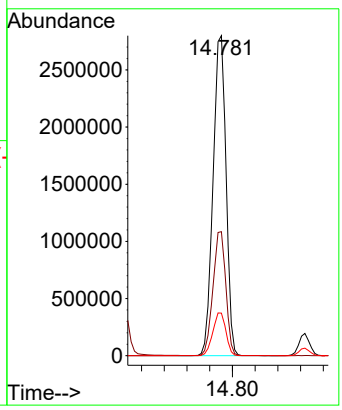


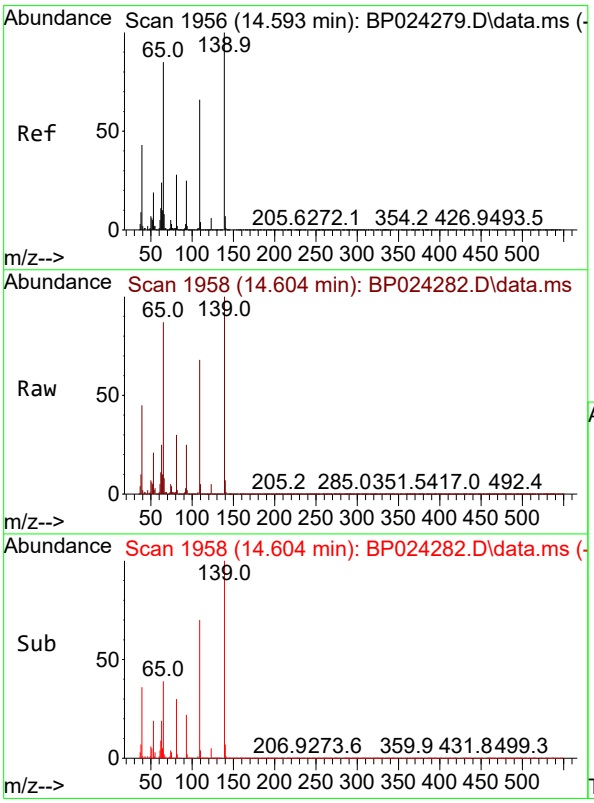
#55
Dibenzofuran
Concen: 76.402 ng
RT: 14.781 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:168 Resp: 4420987

Ion	Ratio	Lower	Upper
168	100		
139	38.7	30.3	45.5
169	13.3	10.6	16.0

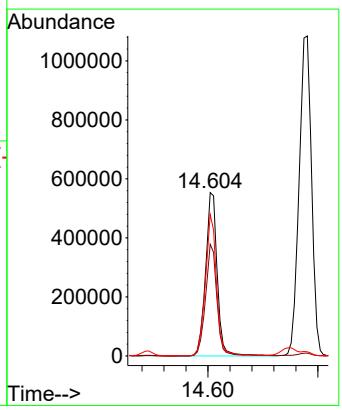


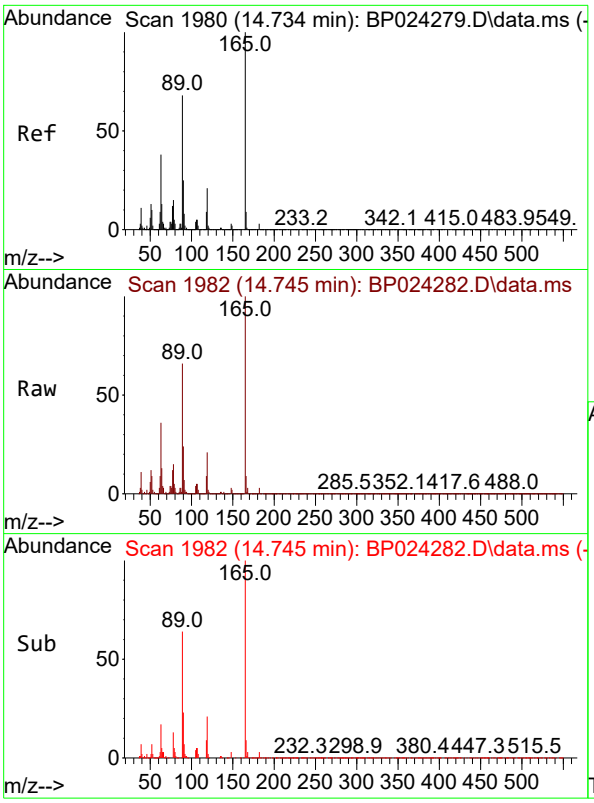


#56
4-Nitrophenol
Concen: 92.599 ng
RT: 14.604 min Scan# 1958
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:139 Resp: 814261

Ion	Ratio	Lower	Upper
139	100		
109	68.4	46.1	86.1
65	86.6	65.0	105.0



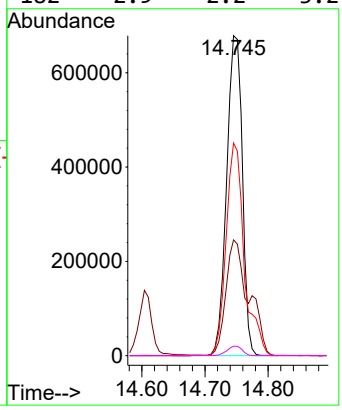


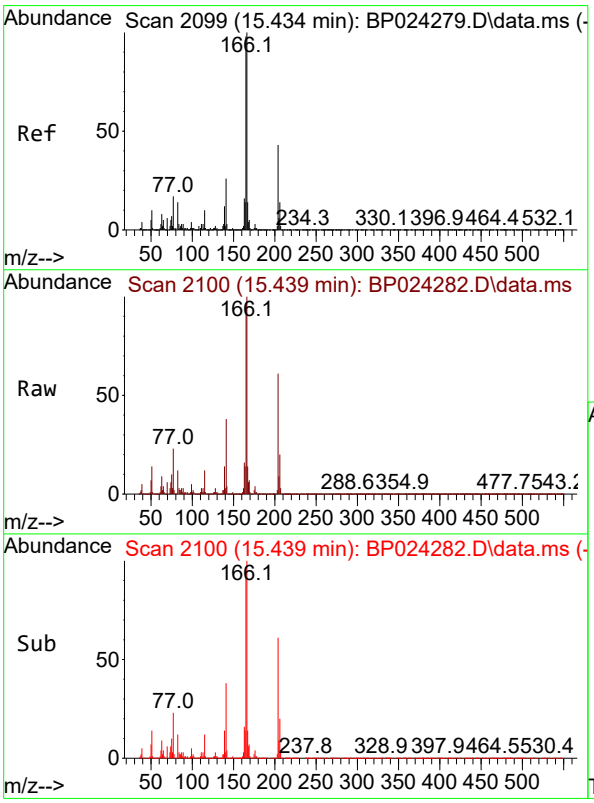
#57
2,4-Dinitrotoluene
Concen: 87.755 ng
RT: 14.745 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 1169554

Ion	Ratio	Lower	Upper
165	100		
63	36.2	30.4	45.6
89	66.4	54.6	82.0
182	2.9	2.2	3.2

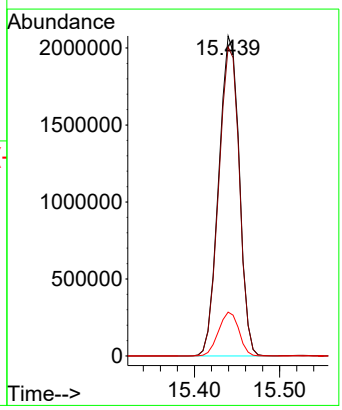


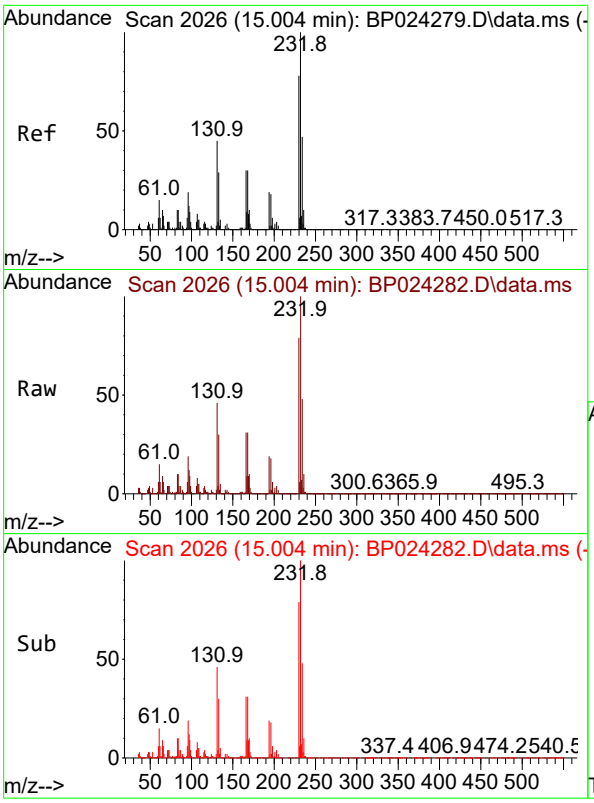


#58
Fluorene
Concen: 77.873 ng
RT: 15.439 min Scan# 2100
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:166 Resp: 3479094

Ion	Ratio	Lower	Upper
166	100		
165	96.6	78.1	117.1
167	13.7	10.9	16.3



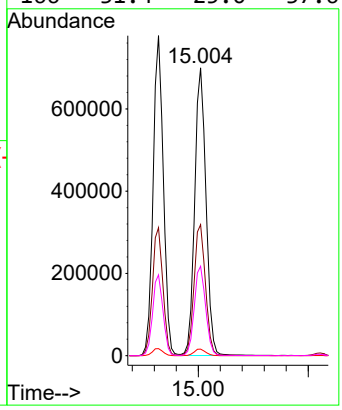


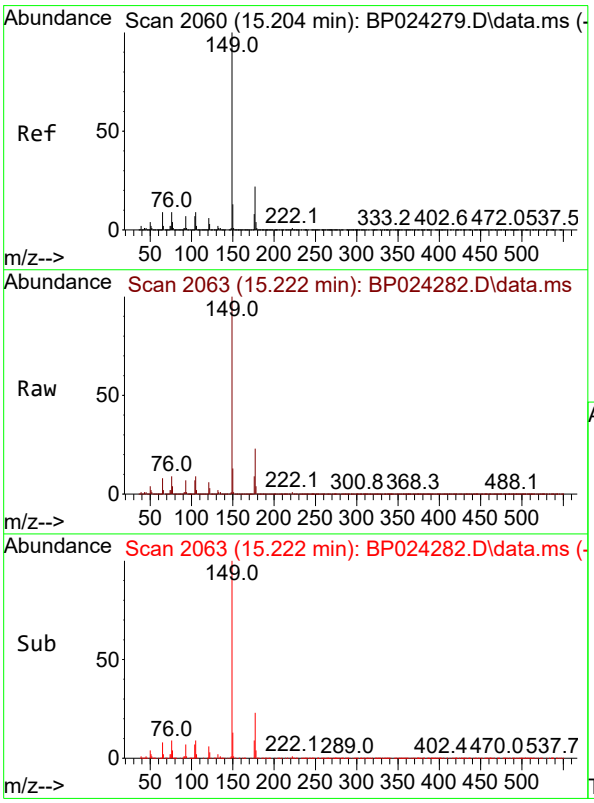
#59
2,3,4,6-Tetrachlorophenol
Concen: 84.031 ng
RT: 15.004 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:232 Resp: 999335

Ion	Ratio	Lower	Upper
232	100		
131	46.1	36.8	55.2
130	2.4	1.9	2.9
166	31.4	25.0	37.6

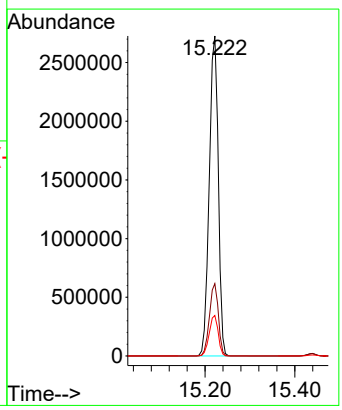


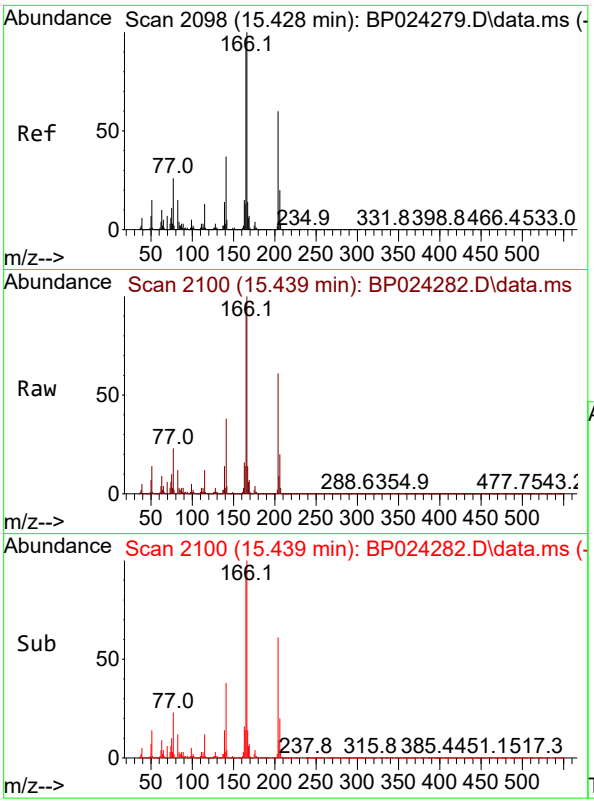


#60
Diethylphthalate
Concen: 78.910 ng
RT: 15.222 min Scan# 2063
Delta R.T. 0.018 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:149 Resp: 3800651

Ion	Ratio	Lower	Upper
149	100		
177	22.6	17.4	26.2
150	12.6	10.1	15.1



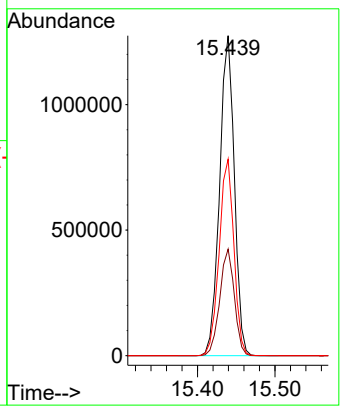


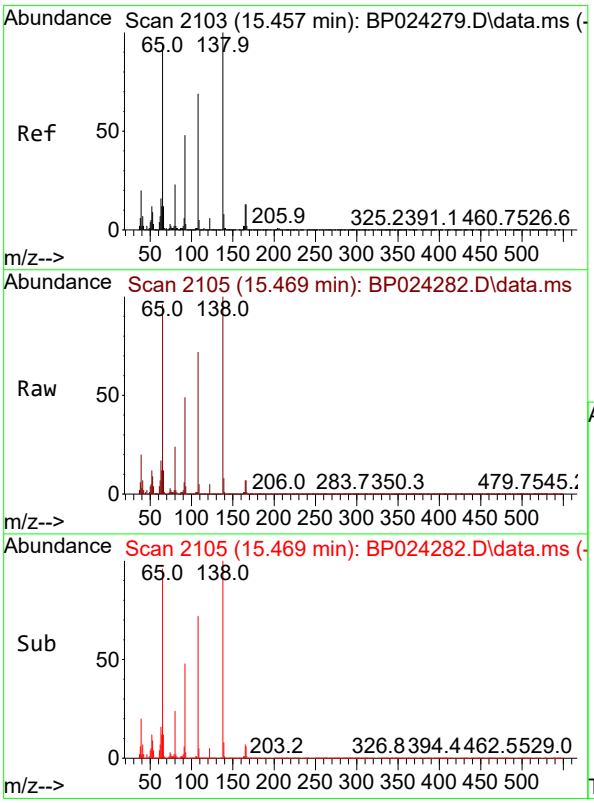
#61
4-Chlorophenyl-phenylether
Concen: 77.881 ng
RT: 15.439 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:204 Resp: 1689620

Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.5	39.7
141	61.4	49.4	74.0

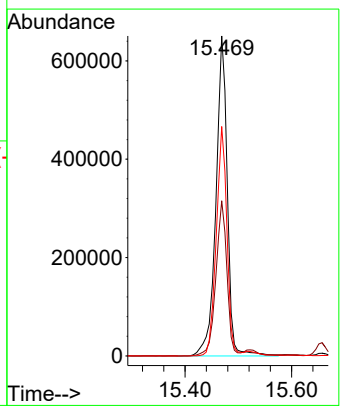


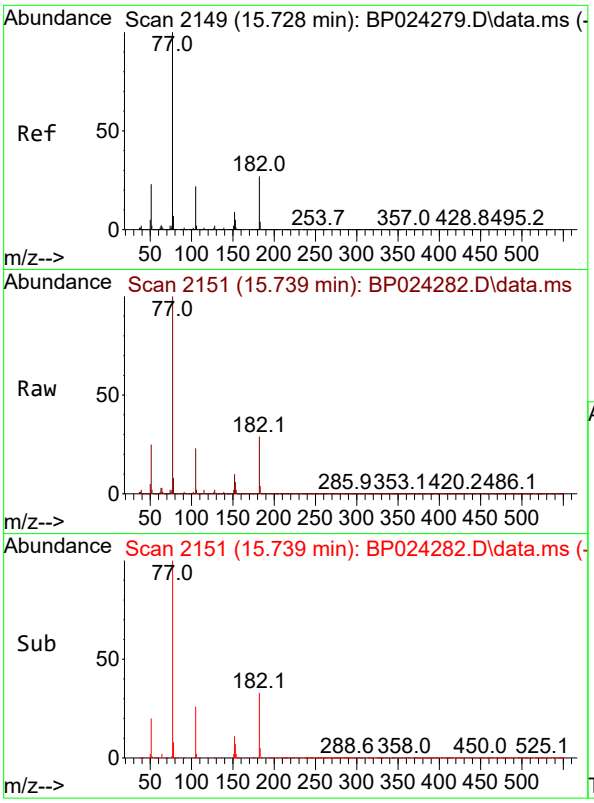


#62
4-Nitroaniline
Concen: 89.063 ng
RT: 15.469 min Scan# 2105
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:138 Resp: 965926

Ion	Ratio	Lower	Upper
138	100		
92	48.5	27.8	67.8
108	71.7	48.9	88.9



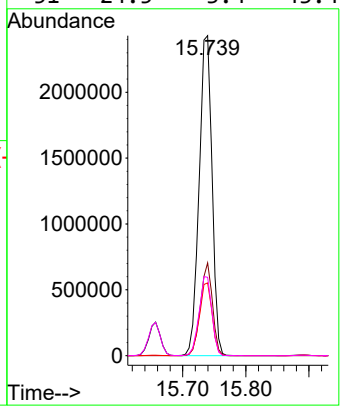


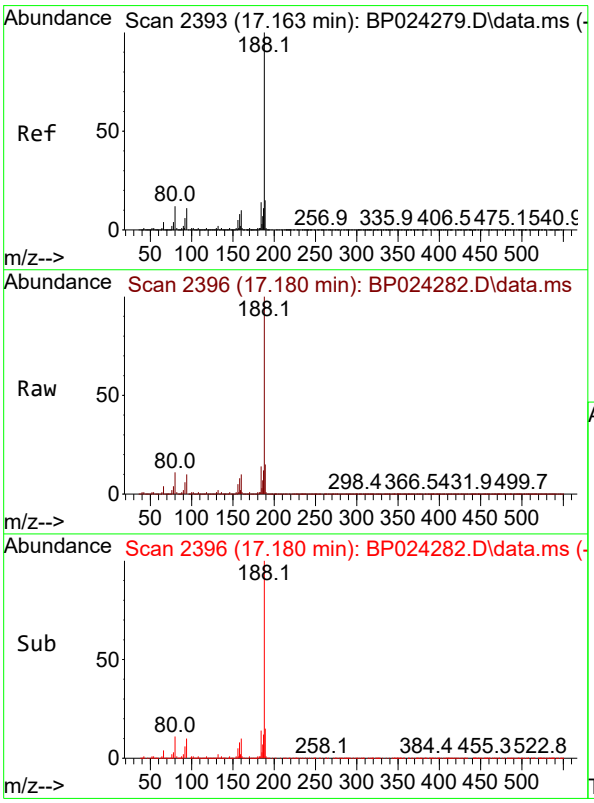
#63
Azobenzene
Concen: 77.741 ng
RT: 15.739 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 3448680

Ion	Ratio	Lower	Upper
77	100		
182	29.0	7.3	47.3
105	22.7	2.3	42.3
51	24.5	3.4	43.4

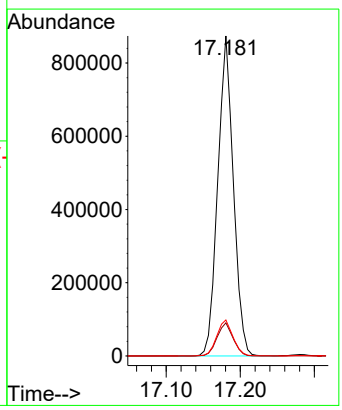


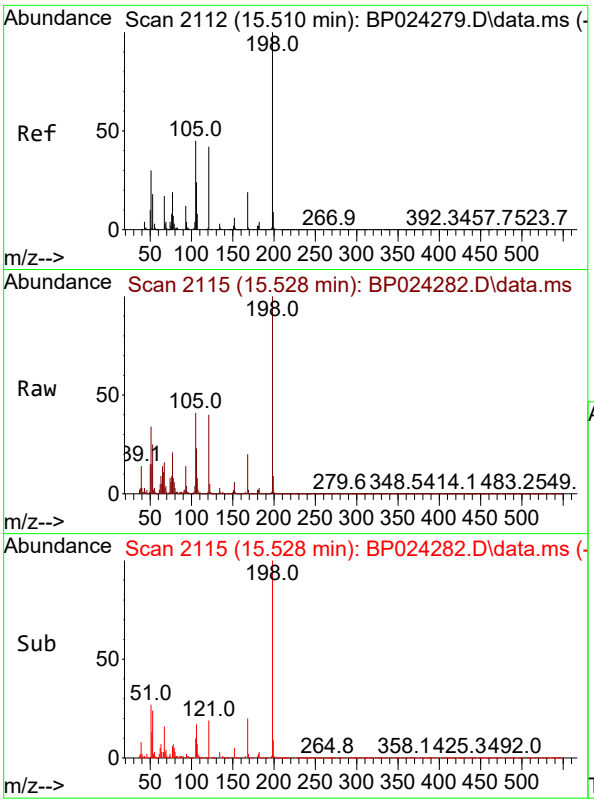


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.180 min Scan# 2396
Delta R.T. 0.018 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:188 Resp: 1279313

Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.6	13.0
80	11.2	9.8	14.6



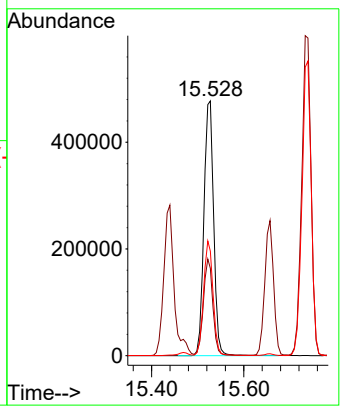


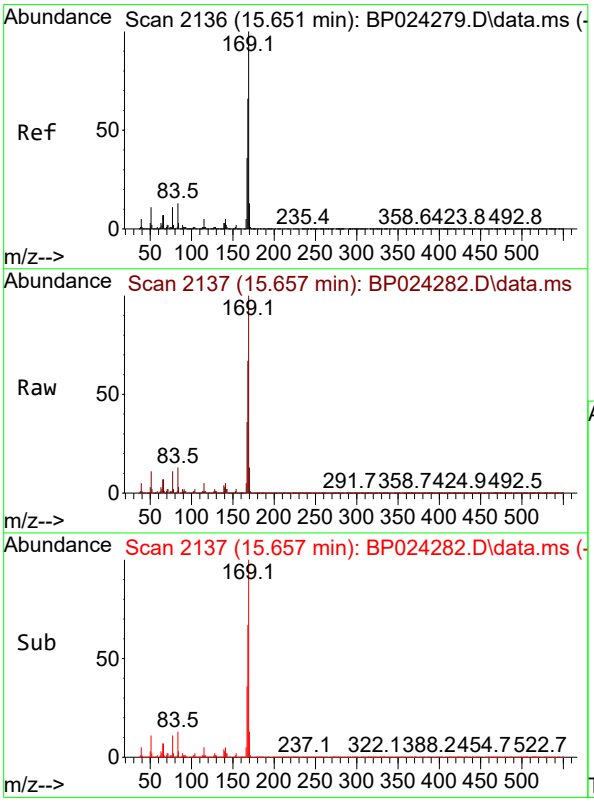
#65
4,6-Dinitro-2-methylphenol
Concen: 94.385 ng
RT: 15.528 min Scan# 21
Delta R.T. 0.018 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:198 Resp: 705506

Ion	Ratio	Lower	Upper
198	100		
51	34.3	18.4	58.4
105	41.0	26.5	66.5

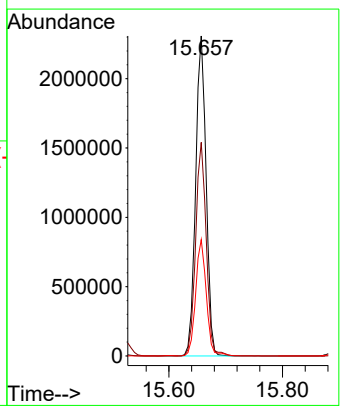


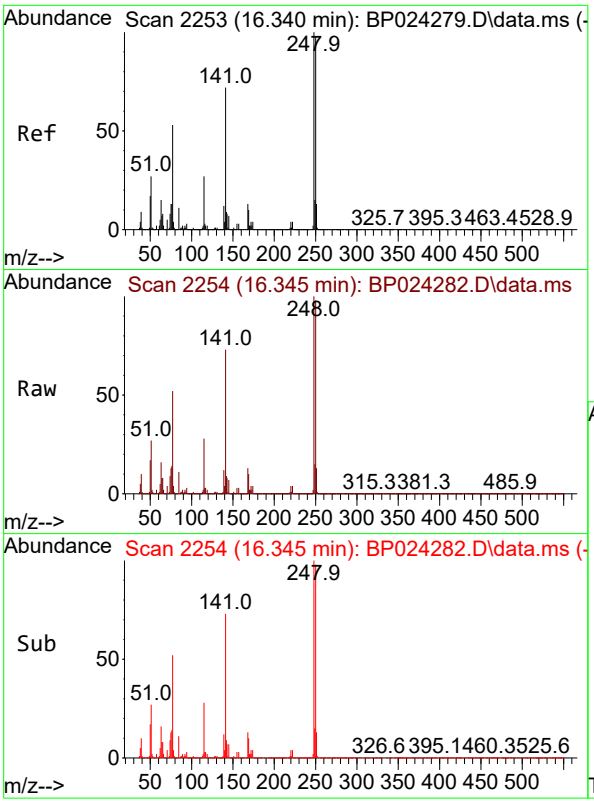


#66
n-Nitrosodiphenylamine
Concen: 77.438 ng
RT: 15.657 min Scan# 2137
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:169 Resp: 2970516

Ion	Ratio	Lower	Upper
169	100		
168	66.7	53.0	79.4
167	36.3	28.9	43.3



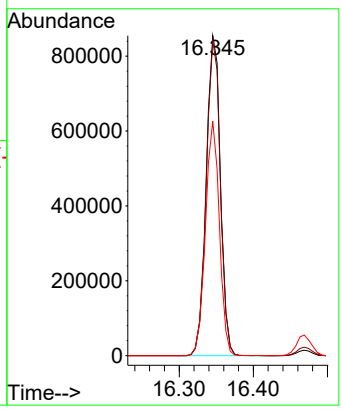


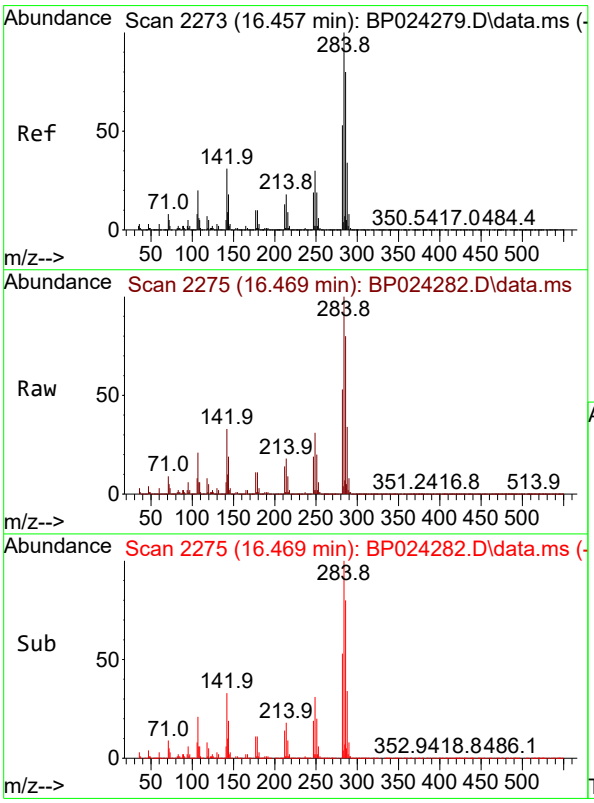
#67
4-Bromophenyl-phenylether
Concen: 81.488 ng
RT: 16.345 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:248 Resp: 1137128

Ion	Ratio	Lower	Upper
248	100		
250	98.5	78.2	117.4
141	73.2	57.7	86.5

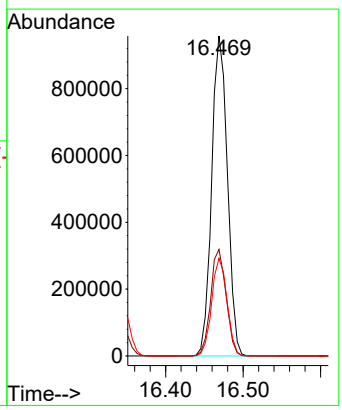


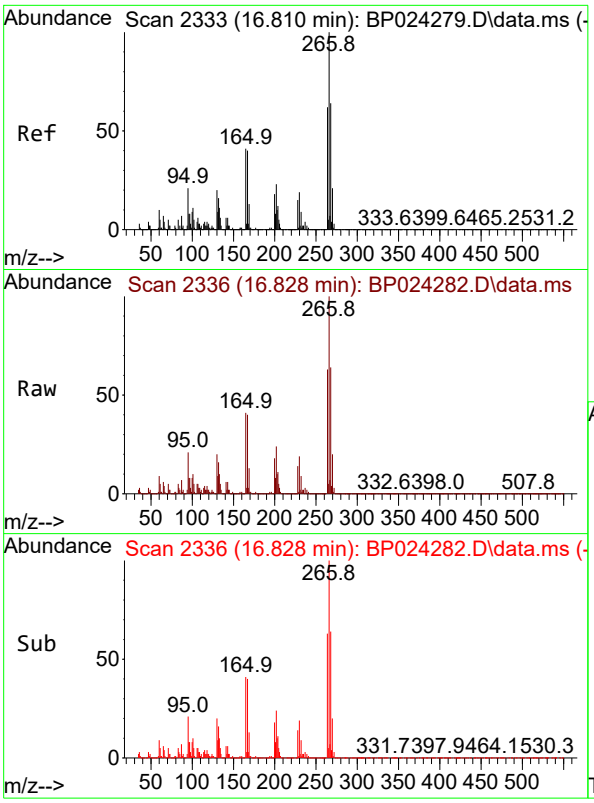


#68
Hexachlorobenzene
Concen: 81.231 ng
RT: 16.469 min Scan# 2275
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:284 Resp: 1347567

Ion	Ratio	Lower	Upper
284	100		
142	33.3	24.6	37.0
249	30.5	23.8	35.6



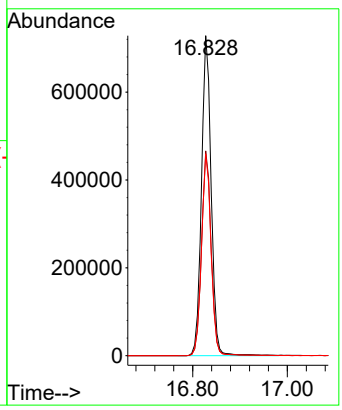


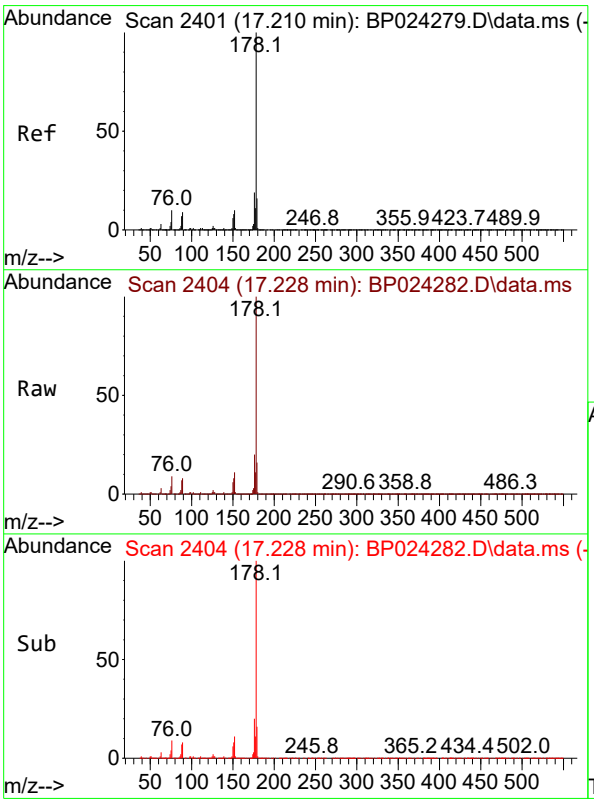
#70
Pentachlorophenol
Concen: 90.221 ng
RT: 16.828 min Scan# 2
Delta R.T. 0.017 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:266 Resp: 1027691

Ion	Ratio	Lower	Upper
266	100		
268	64.0	51.0	76.6
264	63.1	49.8	74.6

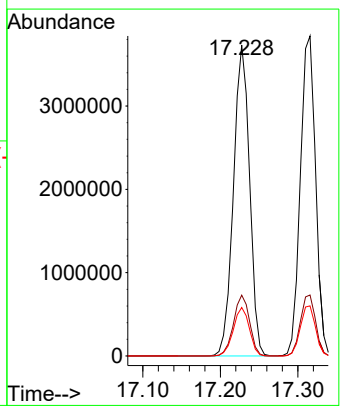


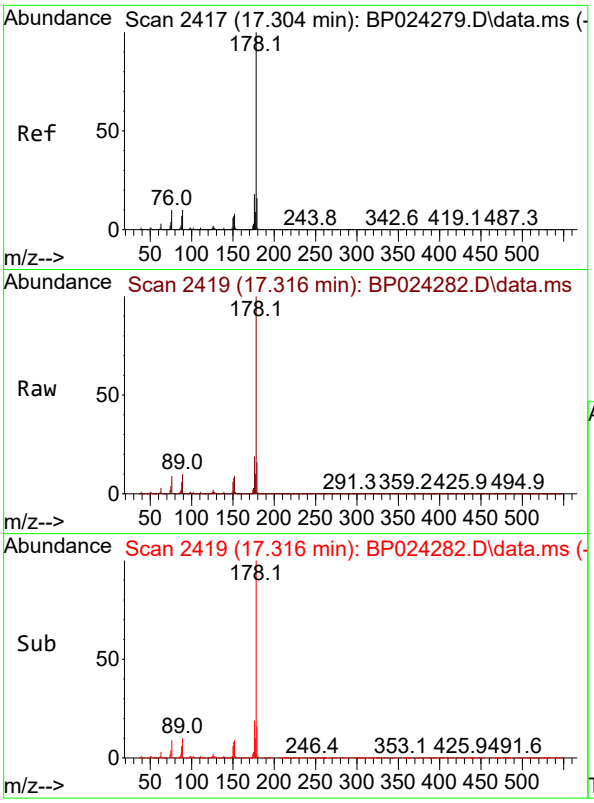


#71
Phenanthrene
Concen: 77.203 ng
RT: 17.228 min Scan# 2404
Delta R.T. 0.018 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:178 Resp: 5415046

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.0
179	15.6	12.5	18.7



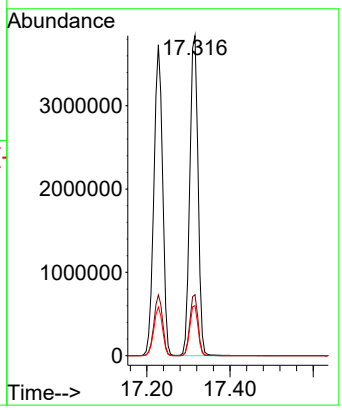


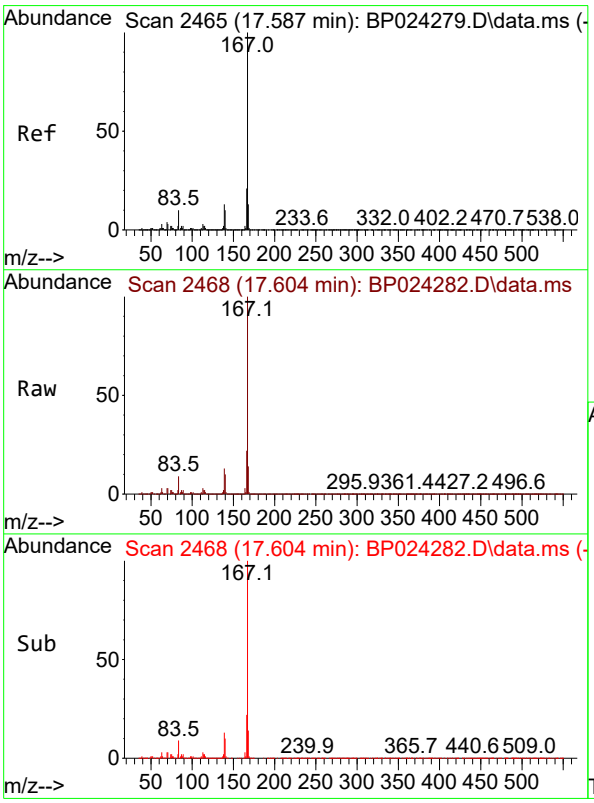
#72
Anthracene
Concen: 78.097 ng
RT: 17.316 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 5270987

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.7	22.1
179	15.6	12.4	18.6

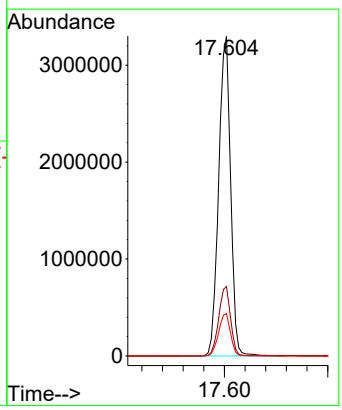


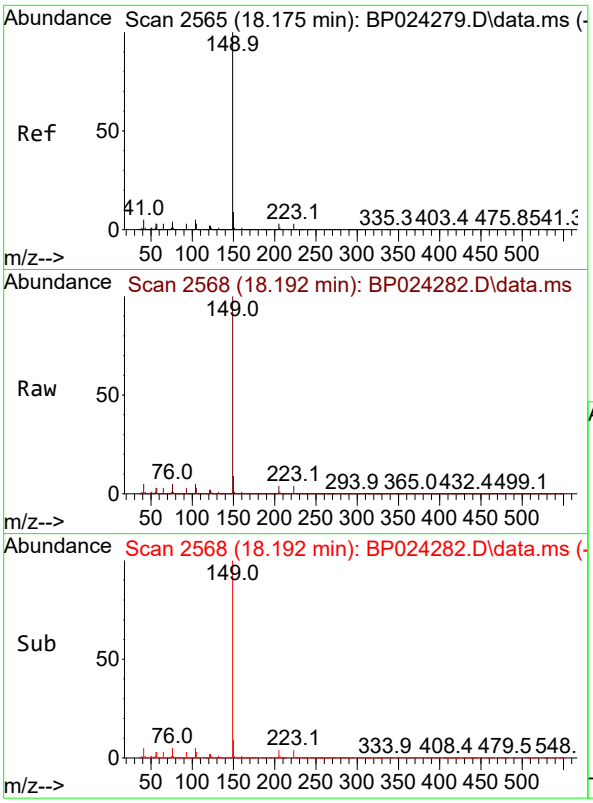


#73
Carbazole
Concen: 80.314 ng
RT: 17.604 min Scan# 2468
Delta R.T. 0.017 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:167 Resp: 5275449

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.1	25.7
139	13.2	10.6	16.0



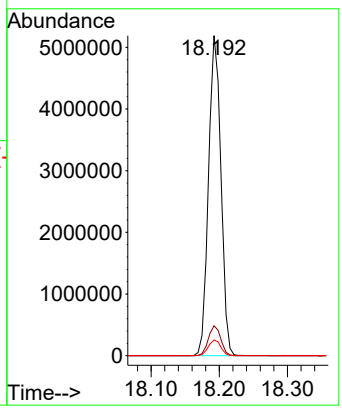


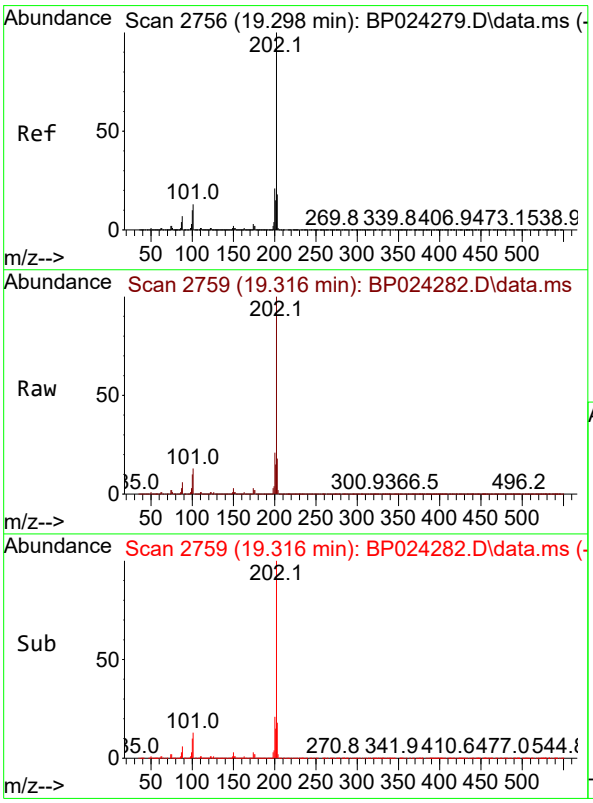
#74
Di-n-butylphthalate
Concen: 80.266 ng
RT: 18.192 min Scan# 2
Delta R.T. 0.017 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 6569078

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	4.9	3.9	5.9

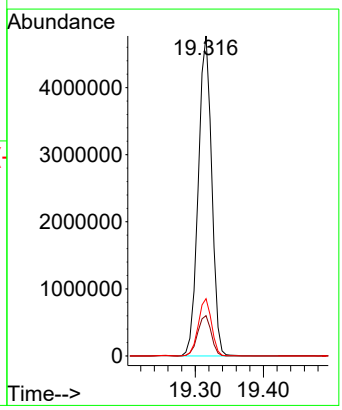


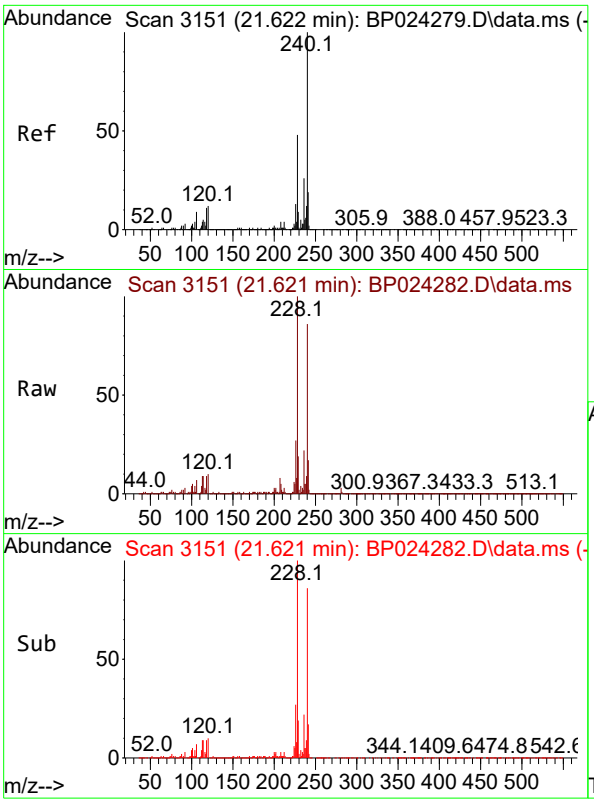


#75
Fluoranthene
Concen: 78.322 ng
RT: 19.316 min Scan# 2759
Delta R.T. 0.017 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:202 Resp: 6520527

Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	33.2
203	17.9	0.0	37.7



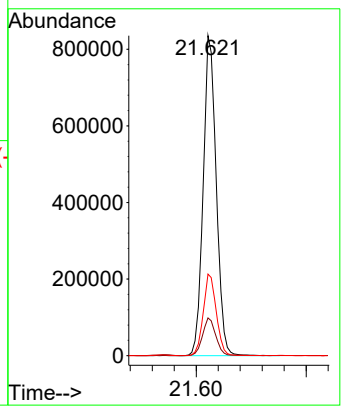


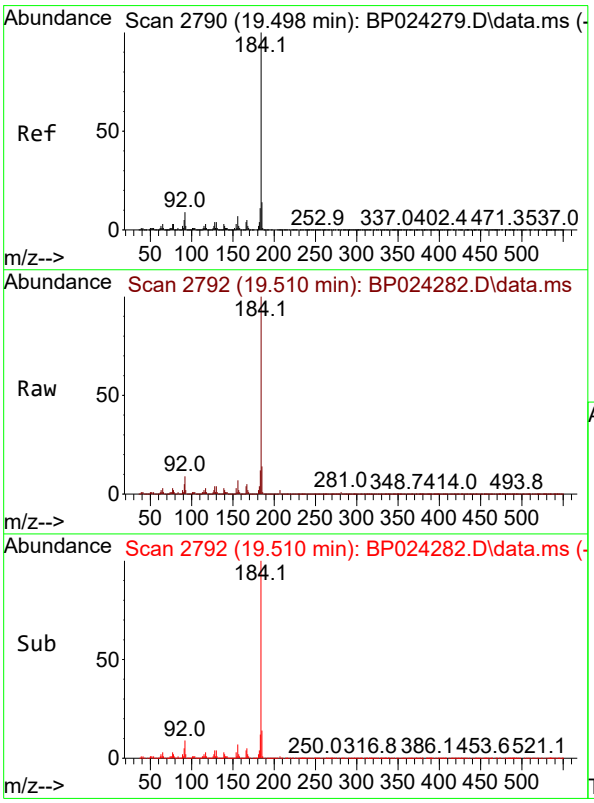
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.621 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:240 Resp: 1378105

Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.8	14.8
236	25.5	20.9	31.3

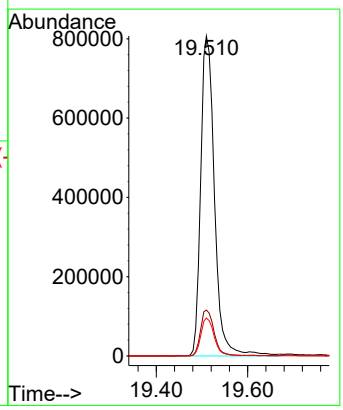


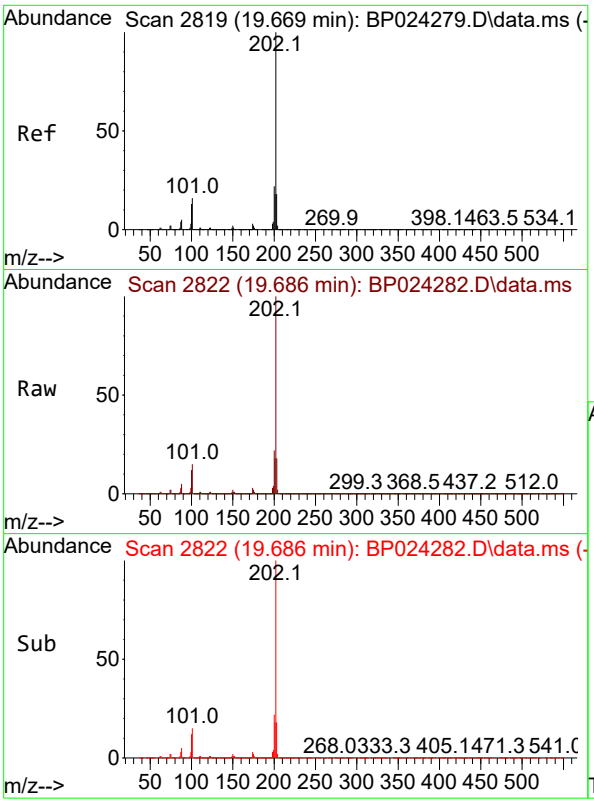


#77
Benzidine
Concen: 99.624 ng m
RT: 19.510 min Scan# 2792
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:184 Resp: 1694694

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.6	17.4
183	11.8	9.2	13.8



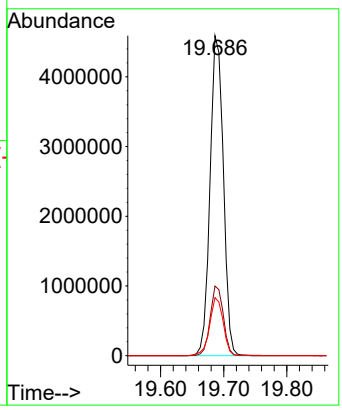


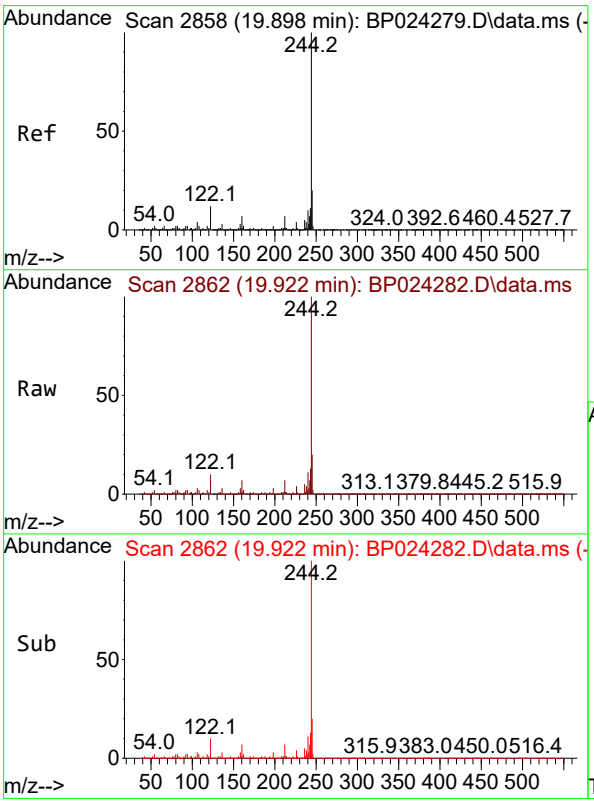
#78
Pyrene
Concen: 76.195 ng
RT: 19.686 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:202 Resp: 6718789

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.2	25.8
203	18.1	14.4	21.6

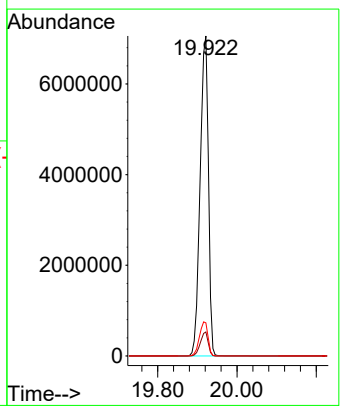


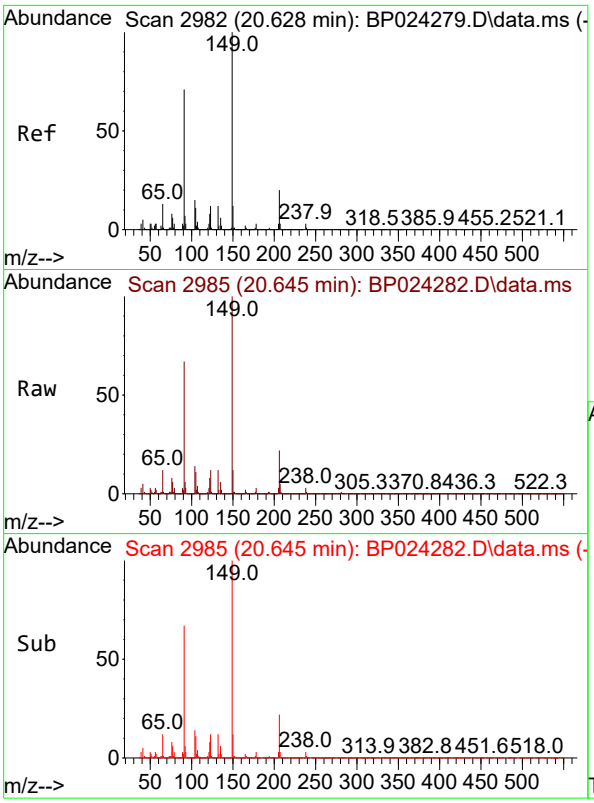


#79
Terphenyl-d14
Concen: 147.678 ng
RT: 19.922 min Scan# 2862
Delta R.T. 0.023 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:244 Resp:10209149

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.6	8.4
122	10.4	9.4	14.0



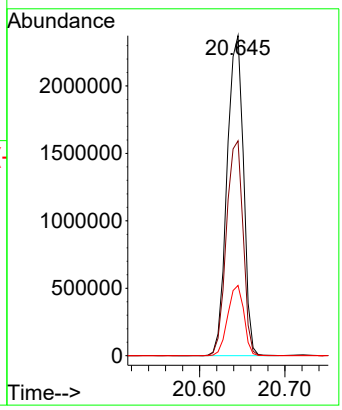


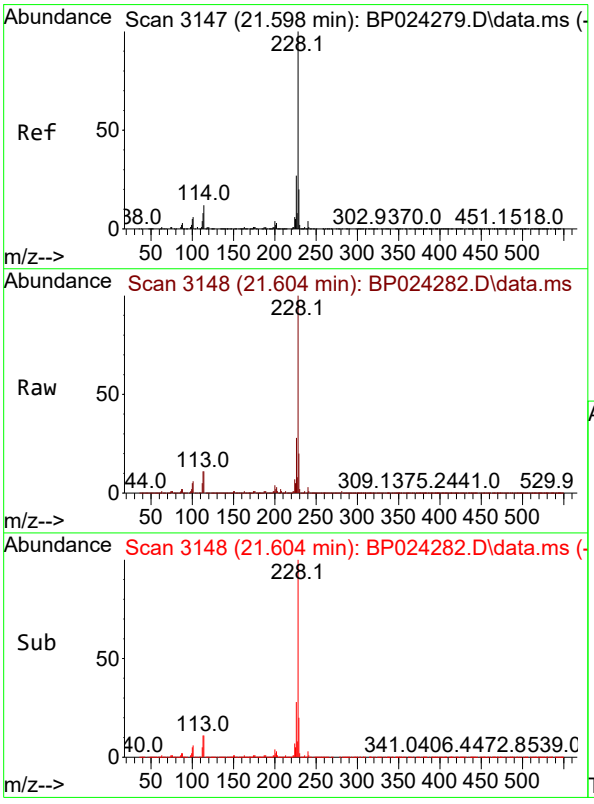
#80
Butylbenzylphthalate
Concen: 85.104 ng
RT: 20.645 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 3163633

Ion	Ratio	Lower	Upper
149	100		
91	67.1	56.4	84.6
206	22.0	16.3	24.5

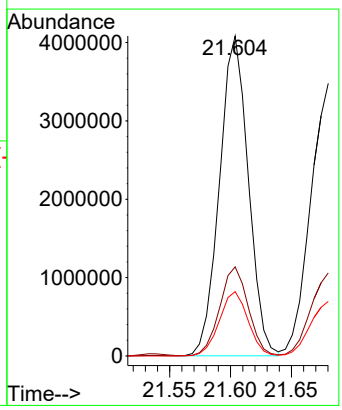


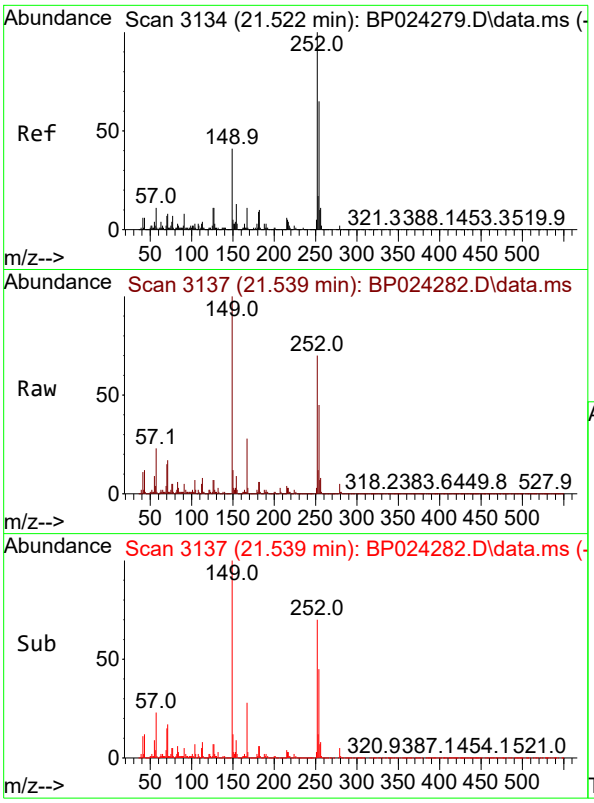


#81
Benzo(a)anthracene
Concen: 78.335 ng
RT: 21.604 min Scan# 3148
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:228 Resp: 6729971

Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.8	32.8
229	20.1	15.9	23.9



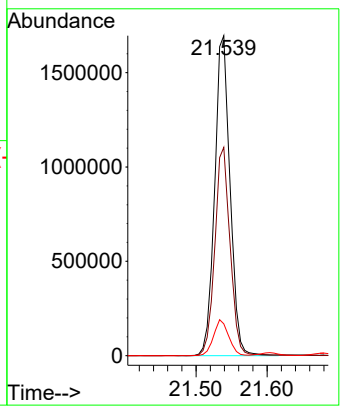


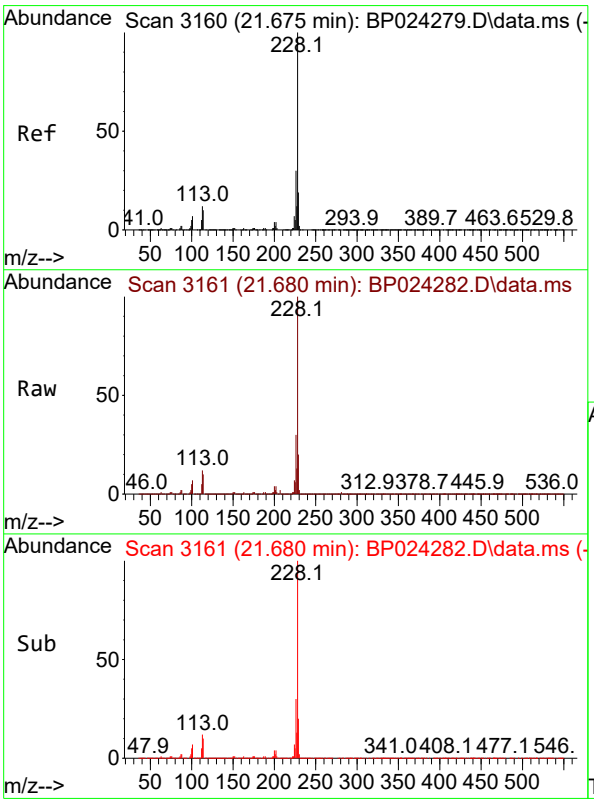
#82
3,3'-Dichlorobenzidine
Concen: 85.143 ng
RT: 21.539 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 2536509

Ion	Ratio	Lower	Upper
252	100		
254	65.1	51.7	77.5
126	10.0	8.8	13.2

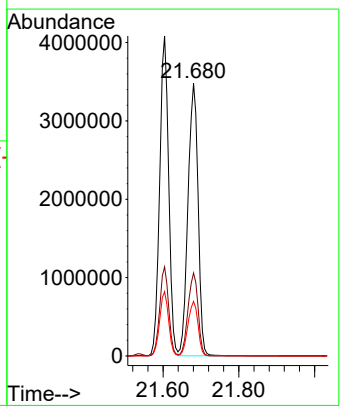


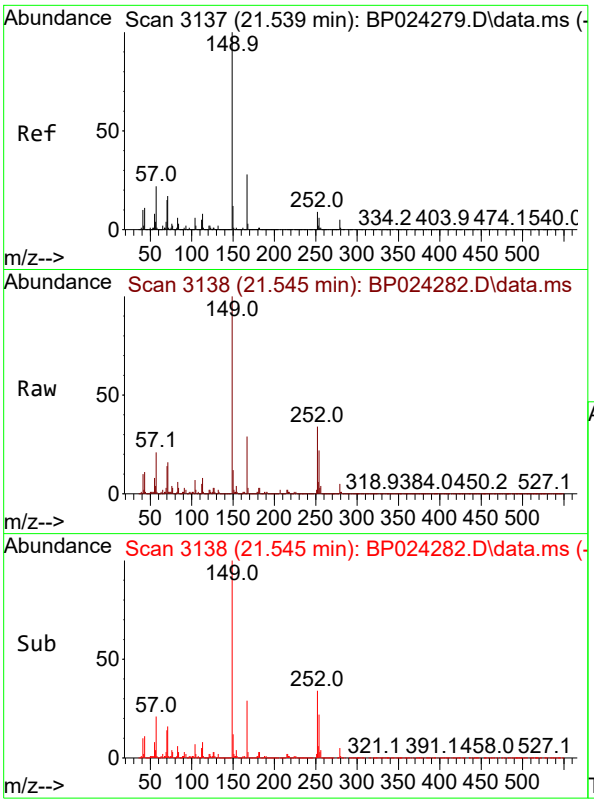


#83
Chrysene
Concen: 78.130 ng
RT: 21.680 min Scan# 3161
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:228 Resp: 6433173

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.2	36.2
229	20.0	15.6	23.4



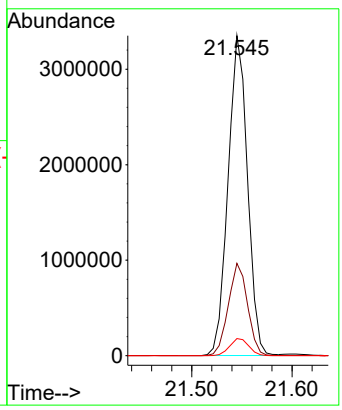


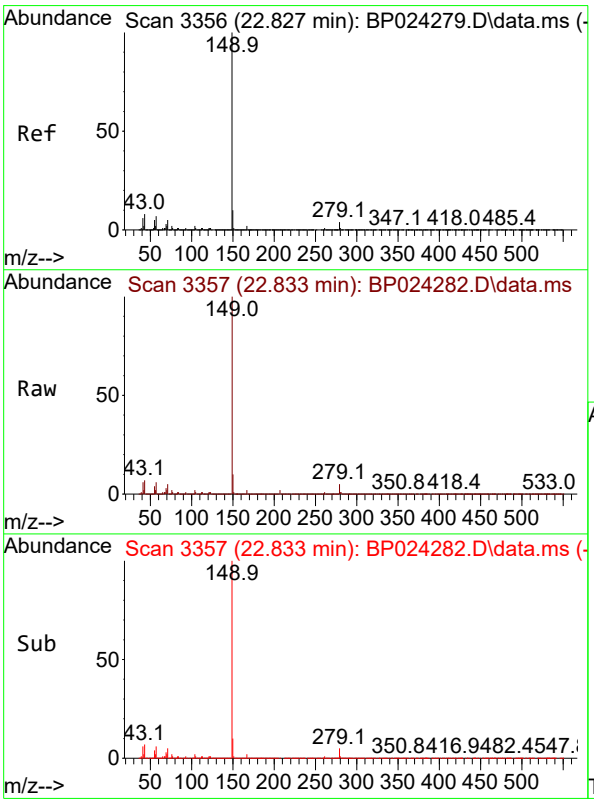
#84
Bis(2-ethylhexyl)phthalate
Concen: 82.506 ng
RT: 21.545 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 4516949

Ion	Ratio	Lower	Upper
149	100		
167	28.8	22.4	33.6
279	5.4	4.0	6.0

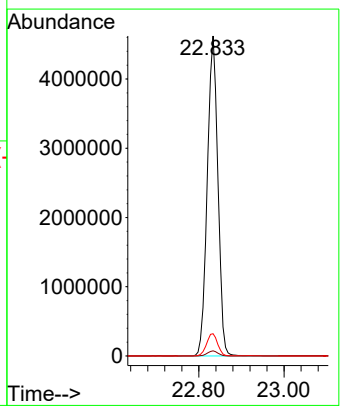


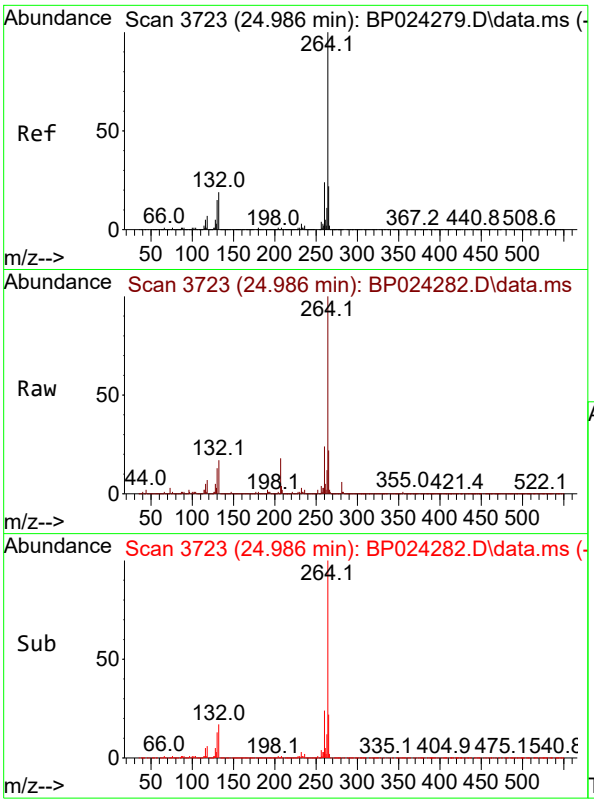


#85
Di-n-octyl phthalate
Concen: 90.878 ng
RT: 22.833 min Scan# 3357
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:149 Resp: 7969779

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.3	6.0	9.0



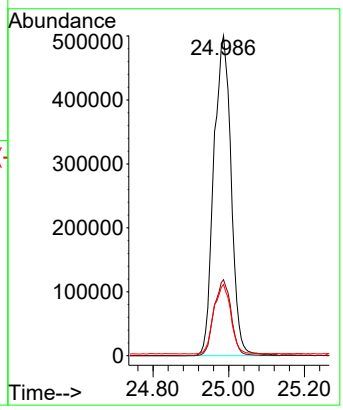


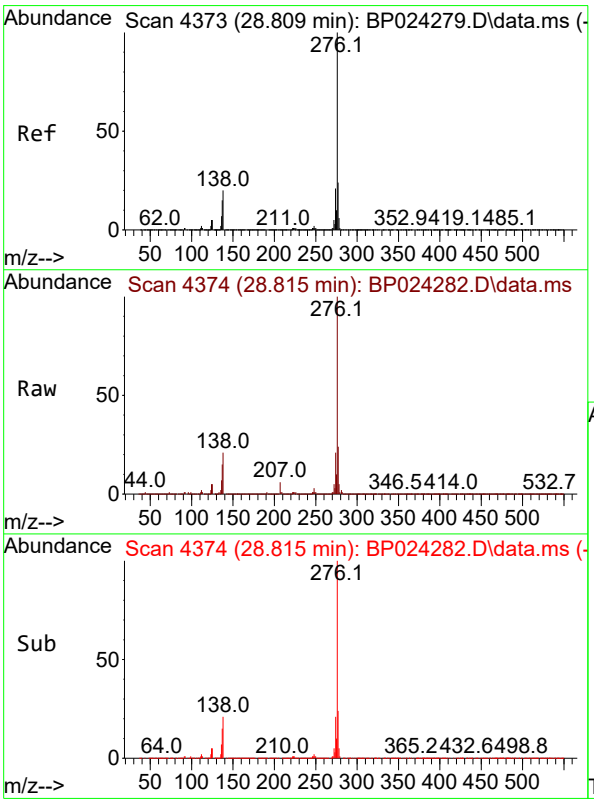
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.986 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:264 Resp: 1583281

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.9	28.3
265	22.3	17.8	26.6

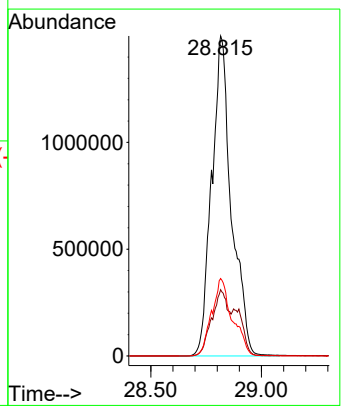


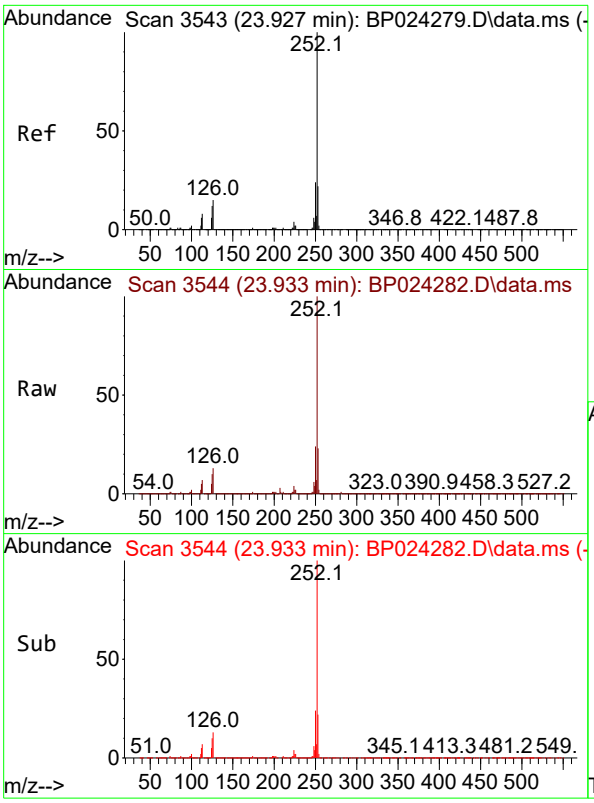


#87
Indeno(1,2,3-cd)pyrene
Concen: 85.280 ng
RT: 28.815 min Scan# 4374
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:276 Resp: 9286186

Ion	Ratio	Lower	Upper
276	100		
138	17.4	14.5	21.7
277	25.4	20.2	30.2



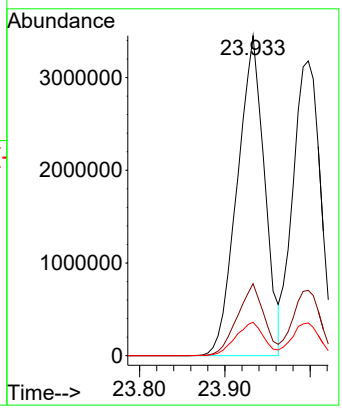


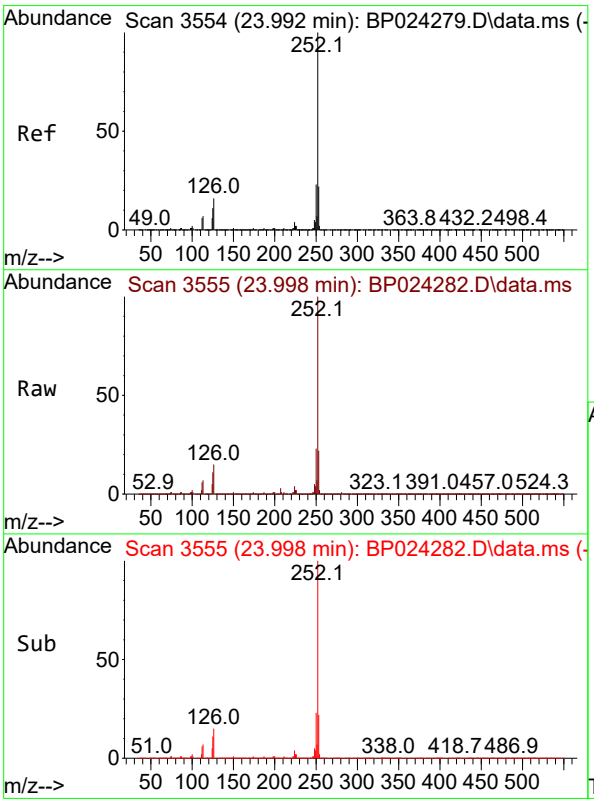
#88
Benzo(b)fluoranthene
Concen: 81.051 ng
RT: 23.933 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 7677613

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.7	26.5
125	10.4	9.4	14.0

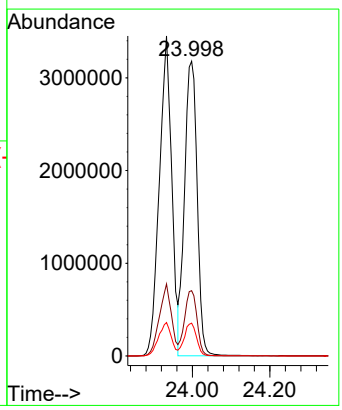


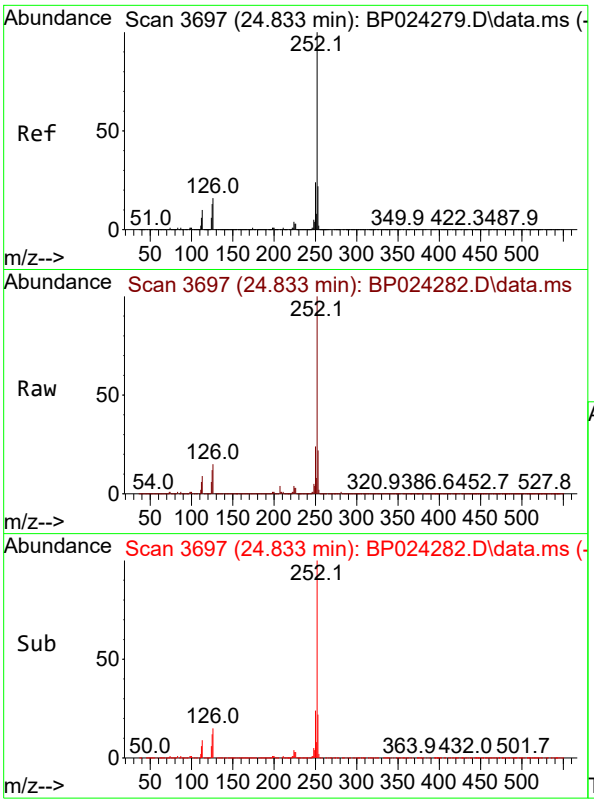


#89
Benzo(k)fluoranthene
Concen: 78.395 ng
RT: 23.998 min Scan# 3555
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:252 Resp: 7207214

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.1	9.1	13.7



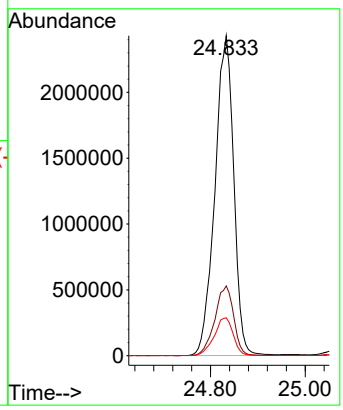


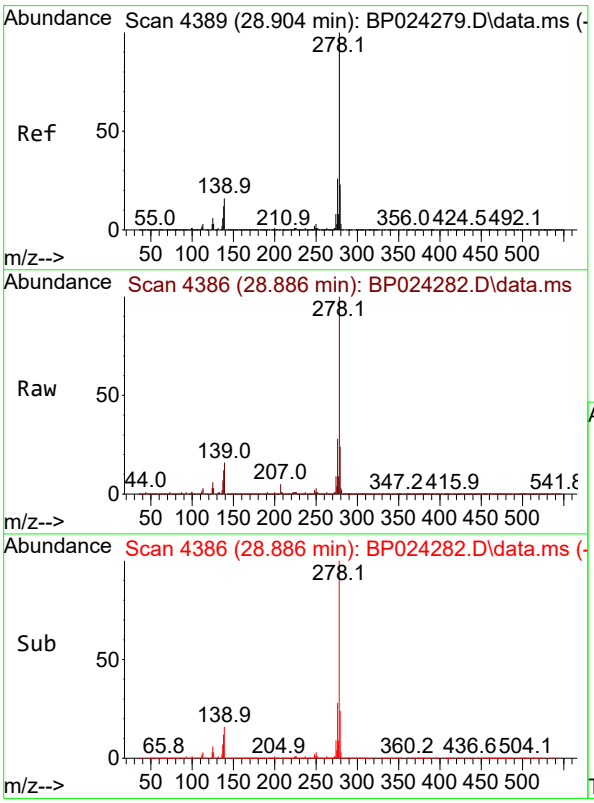
#90
Benzo(a)pyrene
Concen: 82.211 ng
RT: 24.833 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 6703562

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	11.8	10.1	15.1

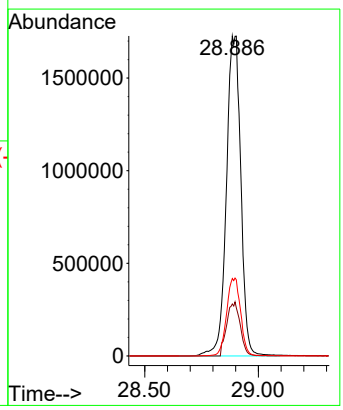


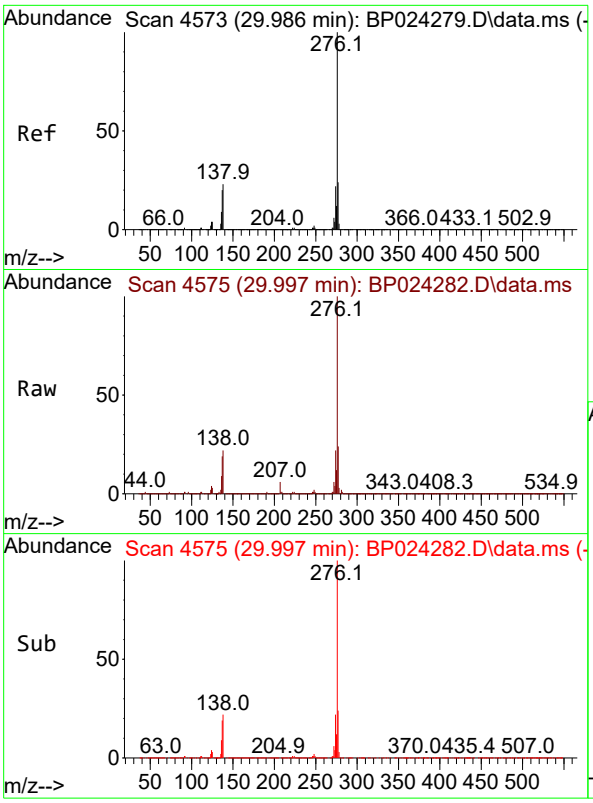


#91
Dibenzo(a,h)anthracene
Concen: 84.071 ng
RT: 28.886 min Scan# 4386
Delta R.T. -0.018 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:278 Resp: 7614901

Ion	Ratio	Lower	Upper
278	100		
139	16.2	12.6	19.0
279	24.2	18.5	27.7



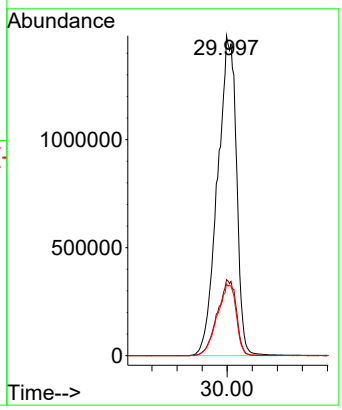


#92
Benzo(g,h,i)perylene
Concen: 84.072 ng
RT: 29.997 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 7750941

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.9	28.3
138	22.4	18.7	28.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.734	152	232241	20.000	ng	0.00
21) Naphthalene-d8	10.504	136	956448	20.000	ng	0.00
39) Acenaphthene-d10	14.363	164	600031	20.000	ng	0.00
64) Phenanthrene-d10	17.163	188	1178916	20.000	ng	-0.02
76) Chrysene-d12	21.616	240	1288125	20.000	ng	0.00
86) Perylene-d12	24.986	264	1476872	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	1141956	81.302	ng	0.00
7) Phenol-d6	6.911	99	1559050	81.063	ng	0.00
23) Nitrobenzene-d5	8.881	82	1401115	83.531	ng	0.00
42) 2,4,6-Tribromophenol	15.875	330	709703	85.488	ng	-0.02
45) 2-Fluorobiphenyl	12.975	172	3319933	84.715	ng	0.00
79) Terphenyl-d14	19.892	244	5217888	81.649	ng	-0.03
Target Compounds						Qvalue
2) 1,4-Dioxane	3.293	88	240091	40.412	ng	100
3) Pyridine	3.687	79	626813	39.955	ng	99
4) n-Nitrosodimethylamine	3.593	42	209326	40.205	ng	98
6) Aniline	7.069	93	710981	41.370	ng	100
8) 2-Chlorophenol	7.305	128	632515	40.334	ng	99
9) Benzaldehyde	6.881	77	399803	42.024	ng	98
10) Phenol	6.940	94	777631	40.306	ng	100
11) bis(2-Chloroethyl)ether	7.163	93	620261	39.902	ng	99
12) 1,3-Dichlorobenzene	7.622	146	680343	40.298	ng	100
13) 1,4-Dichlorobenzene	7.769	146	694020	40.516	ng	99
14) 1,2-Dichlorobenzene	8.081	146	659947	39.898	ng	99
15) Benzyl Alcohol	7.969	79	517678	41.621	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.258	45	674999	40.173	ng	99
17) 2-Methylphenol	8.175	107	512292	41.046	ng	100
18) Hexachloroethane	8.799	117	250852	40.522	ng	99
19) n-Nitroso-di-n-propyla...	8.528	70	481540	40.471	ng	99
20) 3+4-Methylphenols	8.499	107	706733	40.810	ng	99
22) Acetophenone	8.546	105	986019	41.652	ng	100
24) Nitrobenzene	8.922	77	689231	41.537	ng	100
25) Isophorone	9.446	82	1264480	41.648	ng	99
26) 2-Nitrophenol	9.628	139	352229	43.376	ng	99
27) 2,4-Dimethylphenol	9.687	122	425062	41.689	ng	99
28) bis(2-Chloroethoxy)met...	9.922	93	849161	41.402	ng	99
29) 2,4-Dichlorophenol	10.163	162	590306	42.461	ng	98
30) 1,2,4-Trichlorobenzene	10.369	180	619818	41.612	ng	99
31) Naphthalene	10.557	128	2085090	41.386	ng	99
32) Benzoic acid	9.834	122	486627	40.959	ng	98
33) 4-Chloroaniline	10.669	127	761817	42.937	ng	99
34) Hexachlorobutadiene	10.846	225	367684	42.007	ng	100
35) Caprolactam	11.457	113	216229	42.152	ng	99
36) 4-Chloro-3-methylphenol	11.799	107	675857	41.737	ng	98
37) 2-Methylnaphthalene	12.169	142	1446647	41.403	ng	100
38) 1-Methylnaphthalene	12.387	142	1408633	41.210	ng	99
40) 1,2,4,5-Tetrachloroben...	12.540	216	697580	42.275	ng	100
41) Hexachlorocyclopentadiene	12.516	237	254676	43.639	ng	99
43) 2,4,6-Trichlorophenol	12.781	196	475349	43.329	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

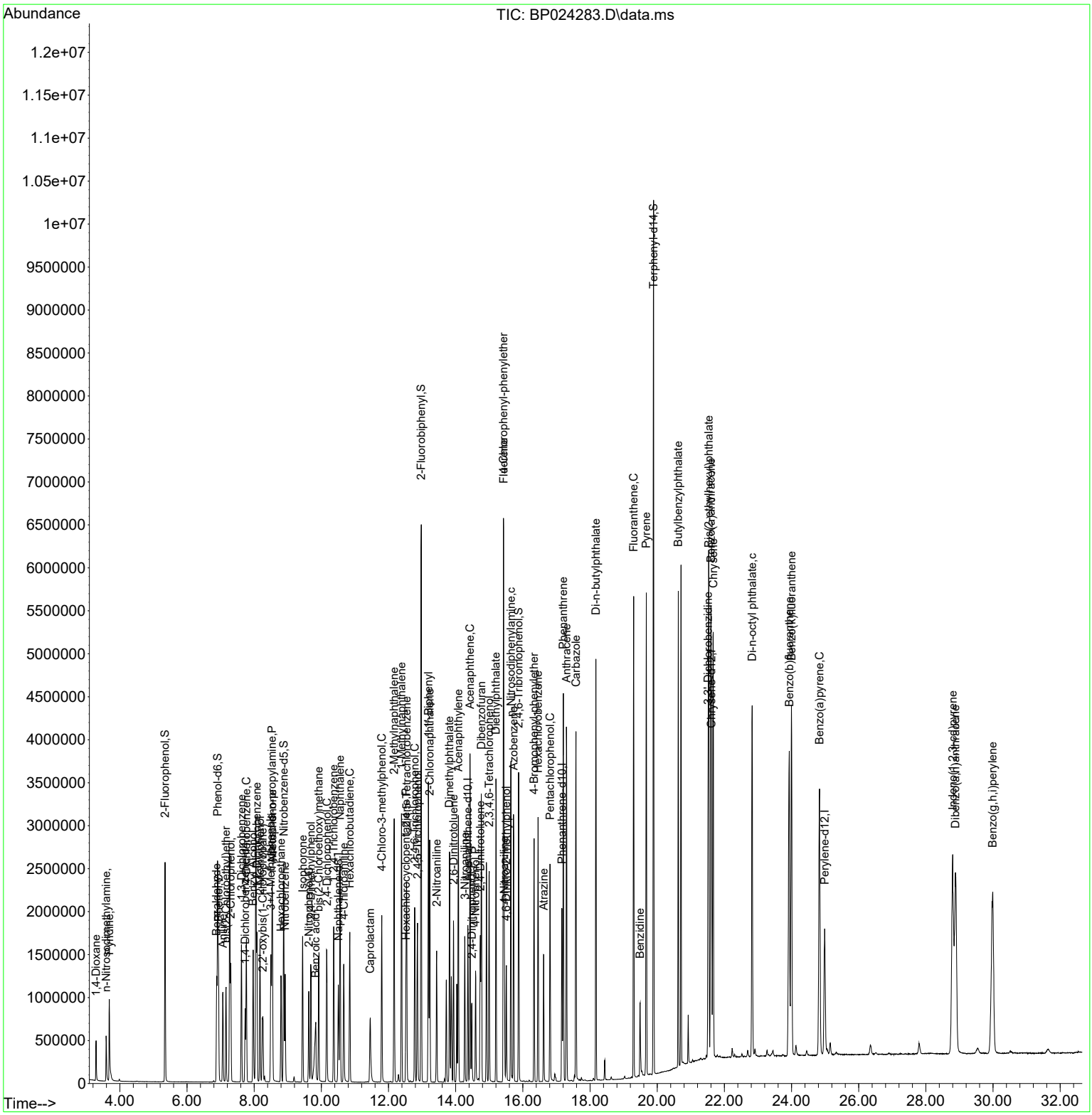
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.863	196	520298	42.828	ng	97
46) 1,1'-Biphenyl	13.187	154	1834570	41.595	ng	99
47) 2-Chloronaphthalene	13.228	162	1377424	41.786	ng	100
48) 2-Nitroaniline	13.434	65	392742	42.475	ng	98
49) Acenaphthylene	14.081	152	2168474	41.783	ng	99
50) Dimethylphthalate	13.816	163	1809923	41.478	ng	99
51) 2,6-Dinitrotoluene	13.940	165	398345	42.990	ng	97
52) Acenaphthene	14.428	154	1344151	40.853	ng	99
53) 3-Nitroaniline	14.275	138	427828	43.931	ng	98
54) 2,4-Dinitrophenol	14.481	184	231882	42.485	ng	98
55) Dibenzofuran	14.763	168	2187786	40.679	ng	99
56) 4-Nitrophenol	14.592	139	378214	44.968	ng	99
57) 2,4-Dinitrotoluene	14.734	165	550175	43.527	ng	97
58) Fluorene	15.428	166	1738215	41.750	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.998	232	470547	41.995	ng	99
60) Diethylphthalate	15.198	149	1869274	41.570	ng	99
61) 4-Chlorophenyl-phenyle...	15.422	204	844629	41.777	ng	99
62) 4-Nitroaniline	15.451	138	444482	43.114	ng	96
63) Azobenzene	15.722	77	1722900	41.686	ng	98
65) 4,6-Dinitro-2-methylph...	15.510	198	317548	42.724	ng	95
66) n-Nitrosodiphenylamine	15.645	169	1460282	41.500	ng	100
67) 4-Bromophenyl-phenylether	16.334	248	545579	42.314	ng	97
68) Hexachlorobenzene	16.451	284	642095	41.909	ng	96
69) Atrazine	16.622	200	282908	31.567	ng	98
70) Pentachlorophenol	16.810	266	458529	42.900	ng	99
71) Phenanthrene	17.204	178	2612052	40.615	ng	100
72) Anthracene	17.298	178	2606508	42.051	ng	100
73) Carbazole	17.581	167	2564955	42.351	ng	99
74) Di-n-butylphthalate	18.175	149	3360635	44.539	ng	100
75) Fluoranthene	19.298	202	3195045	41.771	ng	99
77) Benzidine	19.492	184	588487	36.041	ng	100
78) Pyrene	19.675	202	3276290	40.022	ng	99
80) Butylbenzylphthalate	20.627	149	1511473	43.107	ng	97
81) Benzo(a)anthracene	21.598	228	3299250	41.207	ng	99
82) 3,3'-Dichlorobenzidine	21.516	252	1212290	43.139	ng	99
83) Chrysene	21.669	228	3136332	40.888	ng	100
84) Bis(2-ethylhexyl)phtha...	21.539	149	2282222	44.400	ng	100
85) Di-n-octyl phthalate	22.827	149	3803266	45.513	ng	100
87) Indeno(1,2,3-cd)pyrene	28.798	276	4313548m	42.071	ng	
88) Benzo(b)fluoranthene	23.933	252	3654984	41.288	ng	99
89) Benzo(k)fluoranthene	23.998	252	3512834	41.081	ng	100
90) Benzo(a)pyrene	24.833	252	3196130	41.855	ng	99
91) Dibenzo(a,h)anthracene	28.880	278	3566000	41.902	ng	98
92) Benzo(g,h,i)perylene	29.992	276	3590938	41.455	ng	98

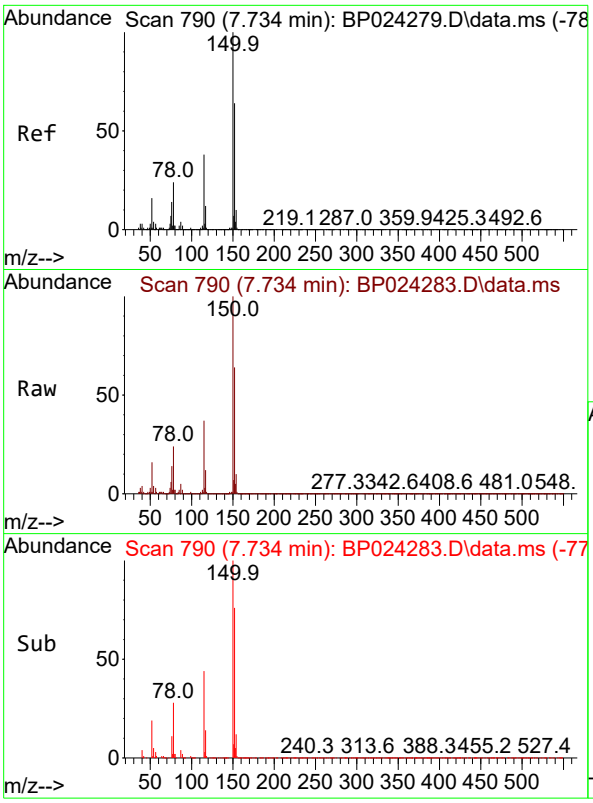
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration



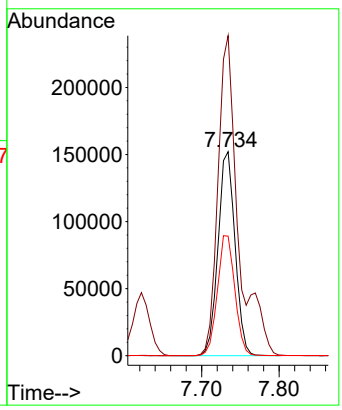


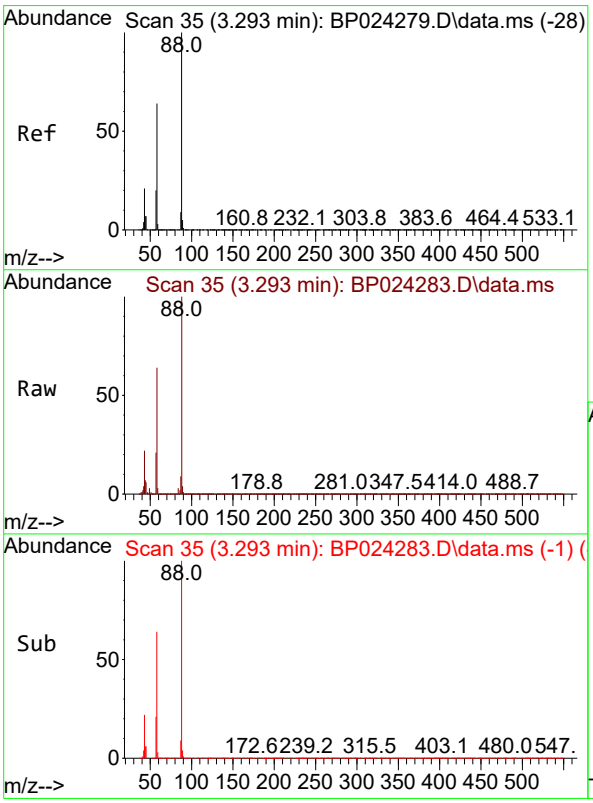
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.734 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:152 Resp: 232241

Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.9	187.3
115	58.6	47.7	71.5

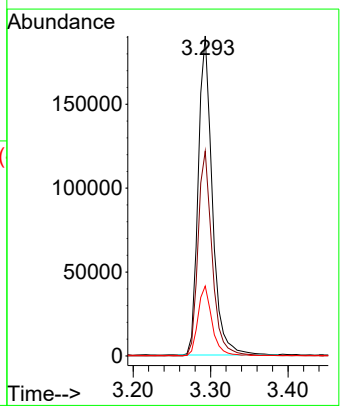


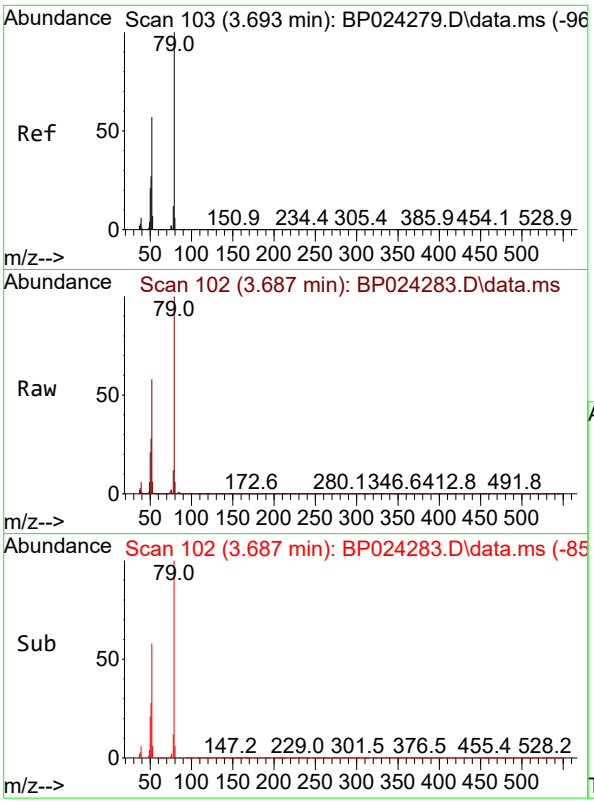


#2
1,4-Dioxane
Concen: 40.412 ng
RT: 3.293 min Scan# 35
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion: 88 Resp: 240091

Ion	Ratio	Lower	Upper
88	100		
58	64.4	51.4	77.2
43	21.7	17.1	25.7



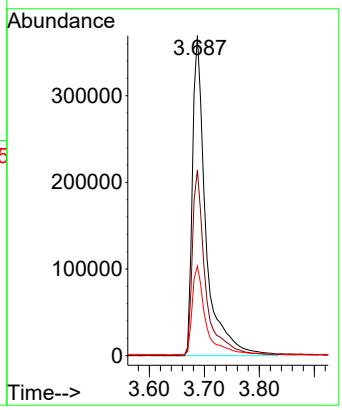


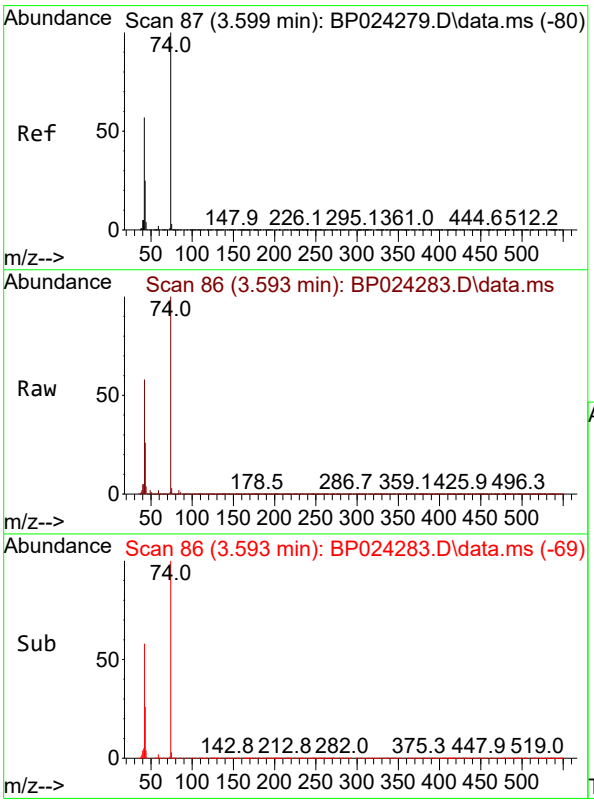
#3
Pyridine
Concen: 39.955 ng
RT: 3.687 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion: 79 Resp: 626813

Ion	Ratio	Lower	Upper
79	100		
52	58.1	45.4	68.2
51	28.0	22.6	33.8

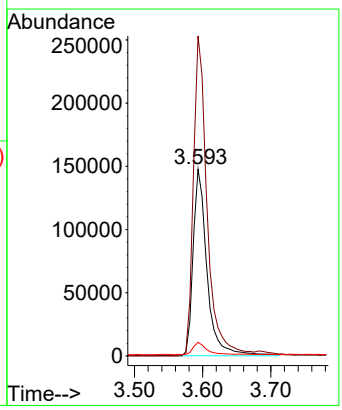


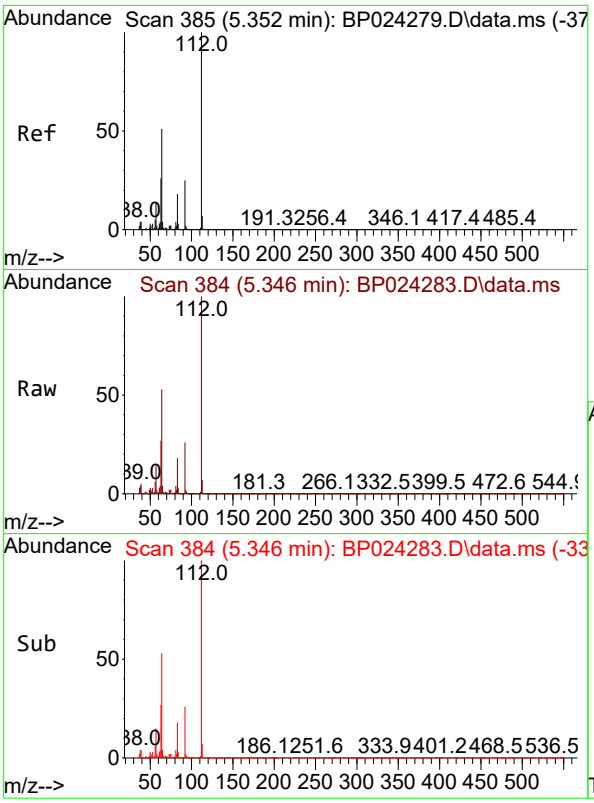


#4
n-Nitrosodimethylamine
Concen: 40.205 ng
RT: 3.593 min Scan# 86
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion: 42 Resp: 209326

Ion	Ratio	Lower	Upper
42	100		
74	171.4	139.5	209.3
44	7.3	5.8	8.8



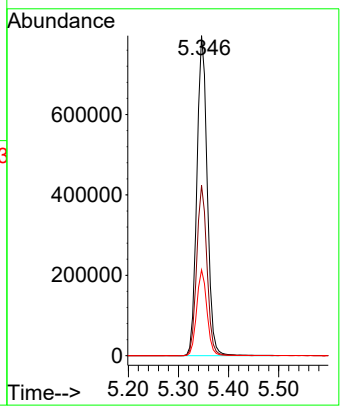


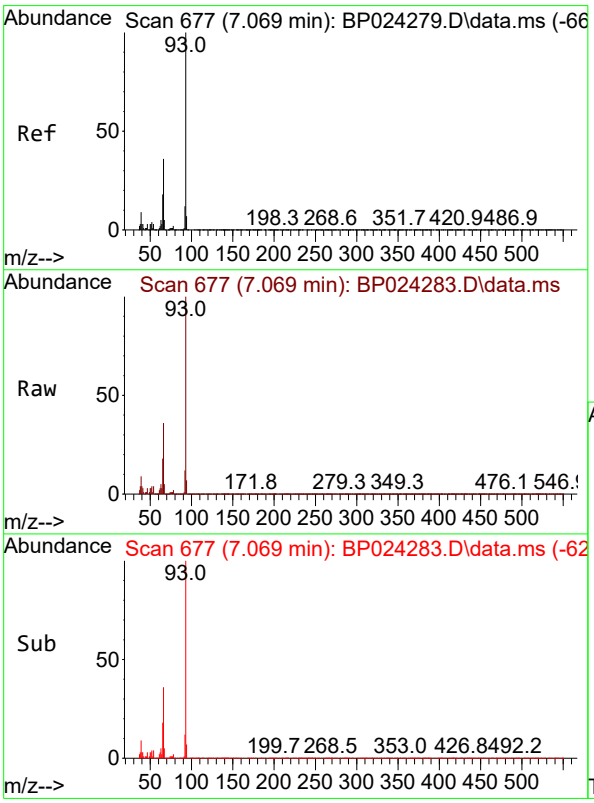
#5
2-Fluorophenol
Concen: 81.302 ng
RT: 5.346 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:112 Resp: 1141956

Ion	Ratio	Lower	Upper
112	100		
64	53.2	41.1	61.7
63	26.8	20.6	30.8

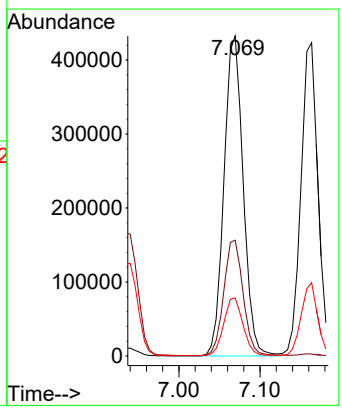


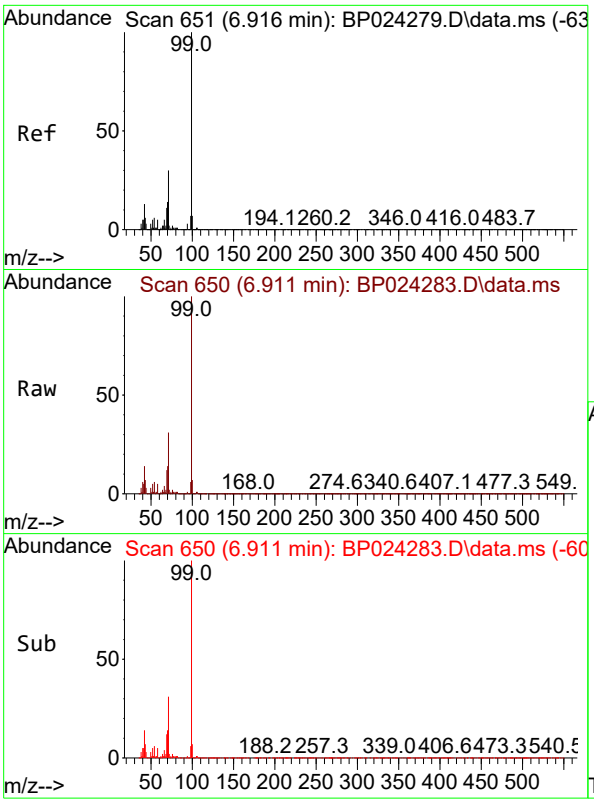


#6
Aniline
Concen: 41.370 ng
RT: 7.069 min Scan# 677
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion: 93 Resp: 710981

Ion	Ratio	Lower	Upper
93	100		
66	36.2	29.1	43.7
65	18.2	14.7	22.1



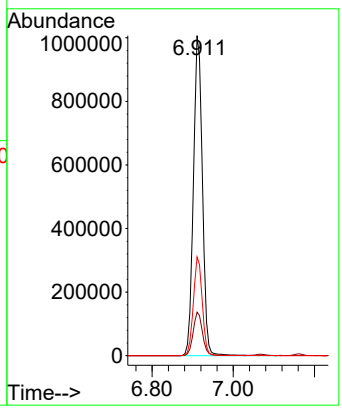


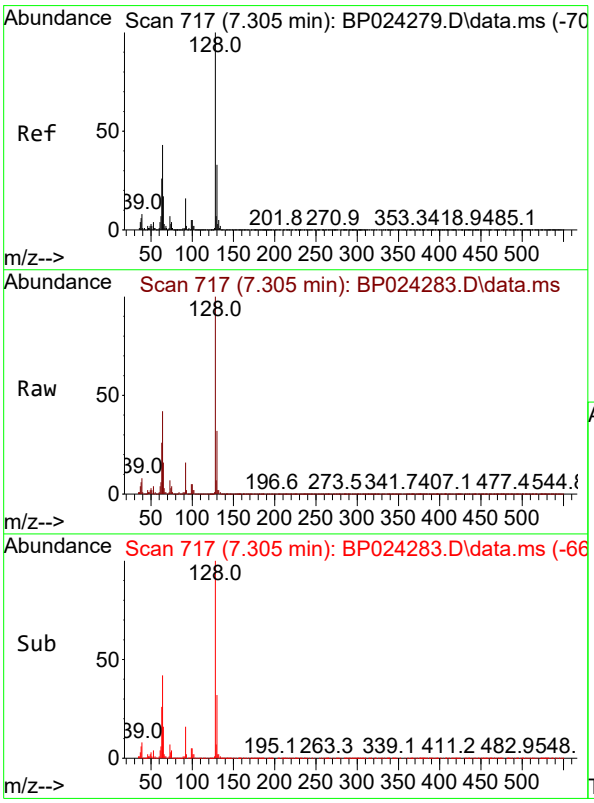
#7
Phenol-d6
Concen: 81.063 ng
RT: 6.911 min Scan# 6
Delta R.T. -0.005 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion: 99 Resp: 1559050

Ion	Ratio	Lower	Upper
99	100		
42	13.6	10.6	16.0
71	30.9	23.7	35.5

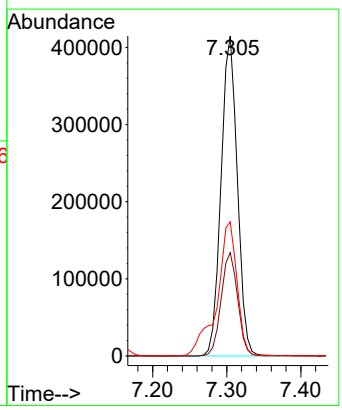


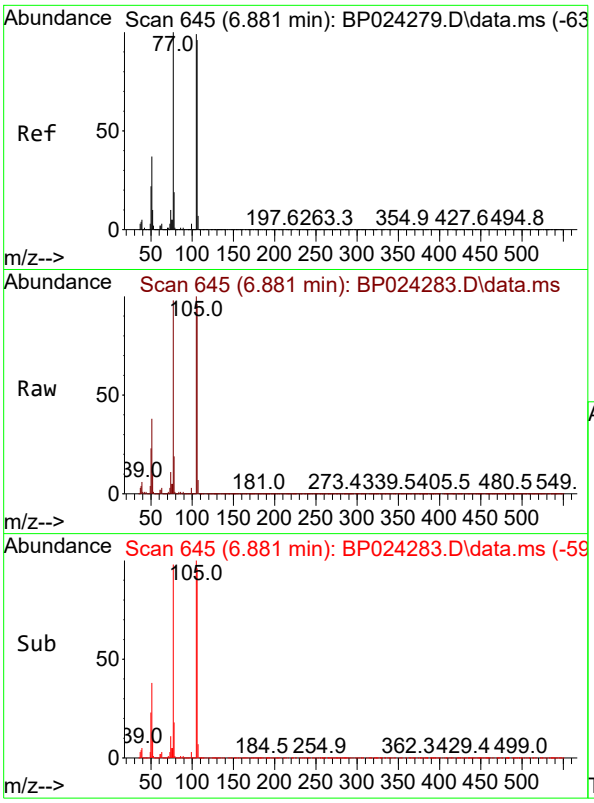


#8
2-Chlorophenol
Concen: 40.334 ng
RT: 7.305 min Scan# 717
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:128 Resp: 632515

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.9	52.9
64	41.9	22.7	62.7



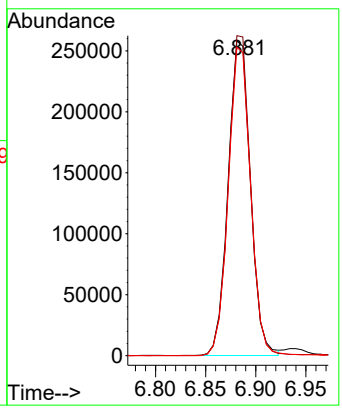


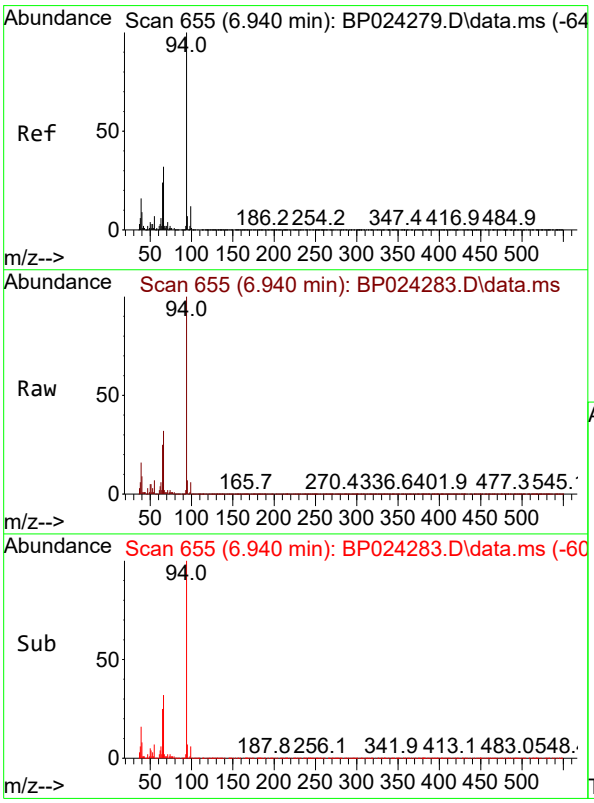
#9
Benzaldehyde
Concen: 42.024 ng
RT: 6.881 min Scan# 64
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion: 77 Resp: 399803

Ion	Ratio	Lower	Upper
77	100		
105	101.7	79.2	119.2
106	98.0	76.2	116.2

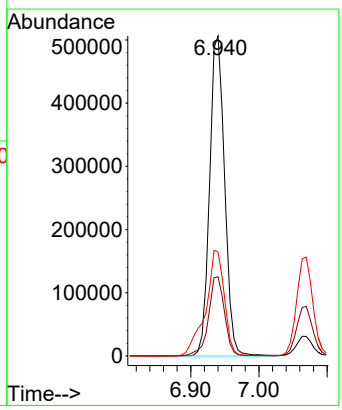


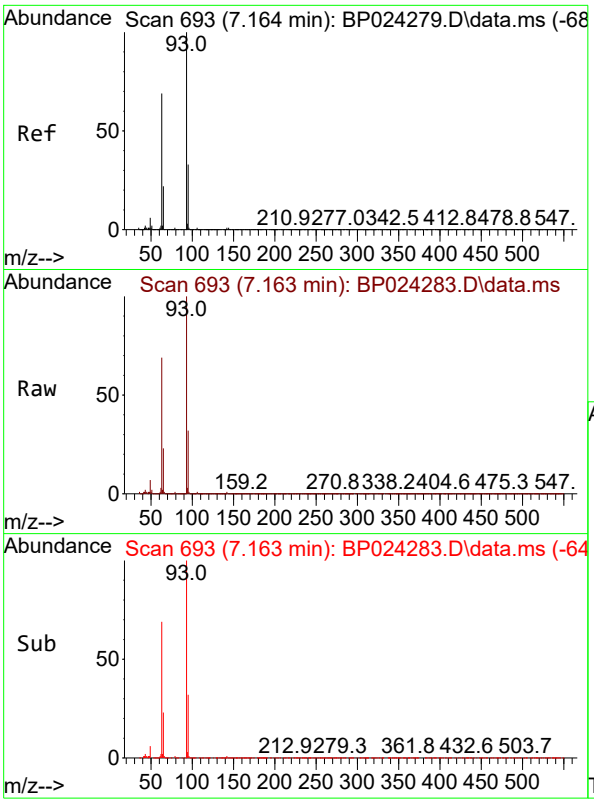


#10
Phenol
Concen: 40.306 ng
RT: 6.940 min Scan# 655
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion: 94 Resp: 777631

Ion	Ratio	Lower	Upper
94	100		
65	24.7	4.5	44.5
66	32.5	12.4	52.4



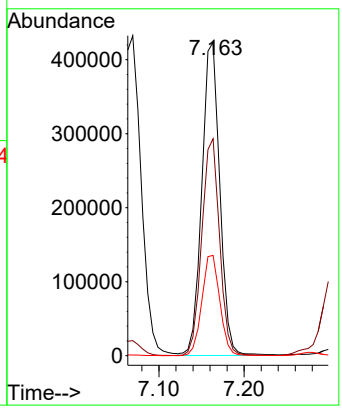


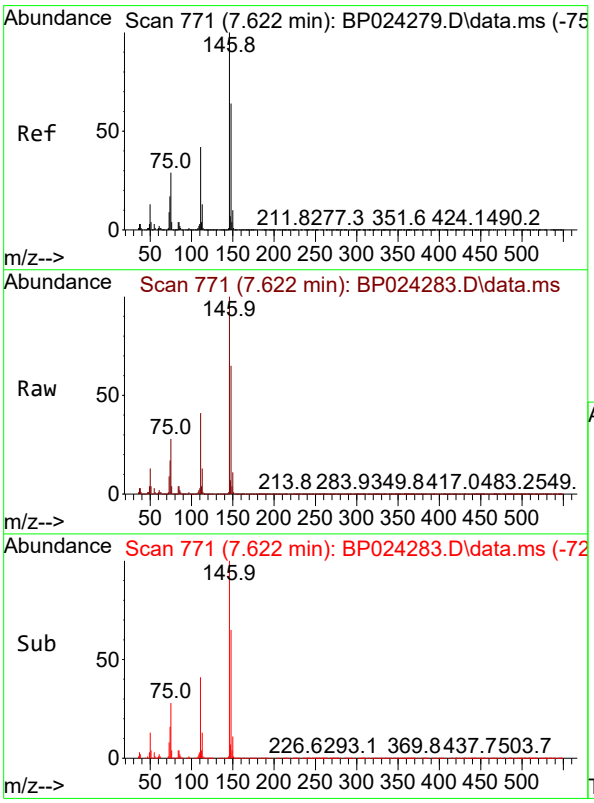
#11
bis(2-Chloroethyl)ether
Concen: 39.902 ng
RT: 7.163 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion: 93 Resp: 620261

Ion	Ratio	Lower	Upper
93	100		
63	69.2	48.6	88.6
95	32.0	12.3	52.3

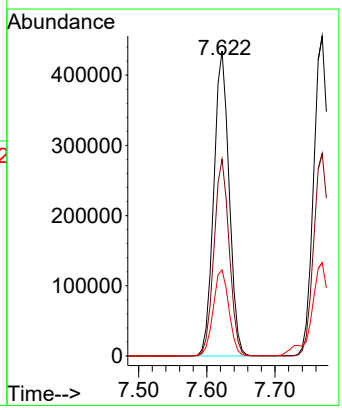


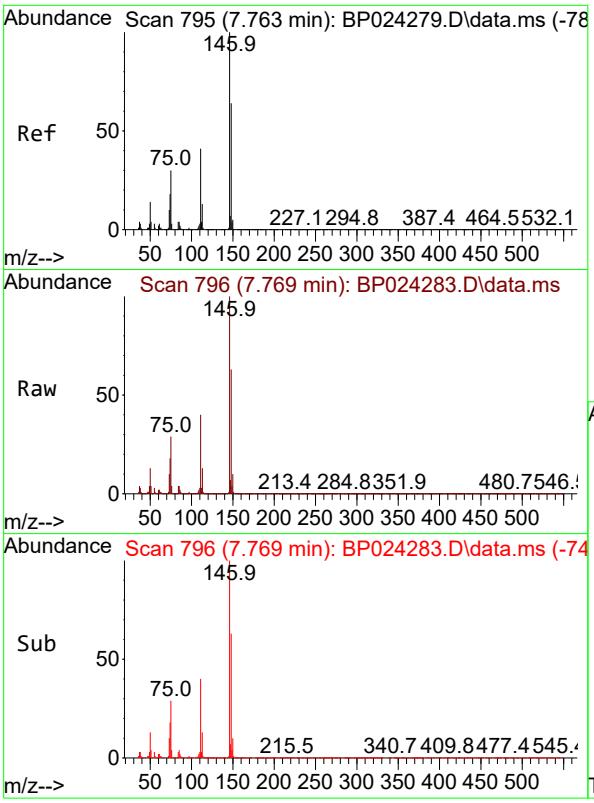


#12
1,3-Dichlorobenzene
Concen: 40.298 ng
RT: 7.622 min Scan# 771
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:146 Resp: 680343

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.4	77.0
75	28.2	22.9	34.3



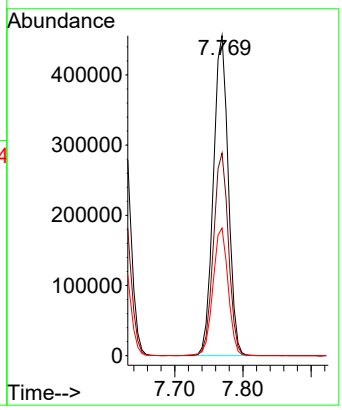


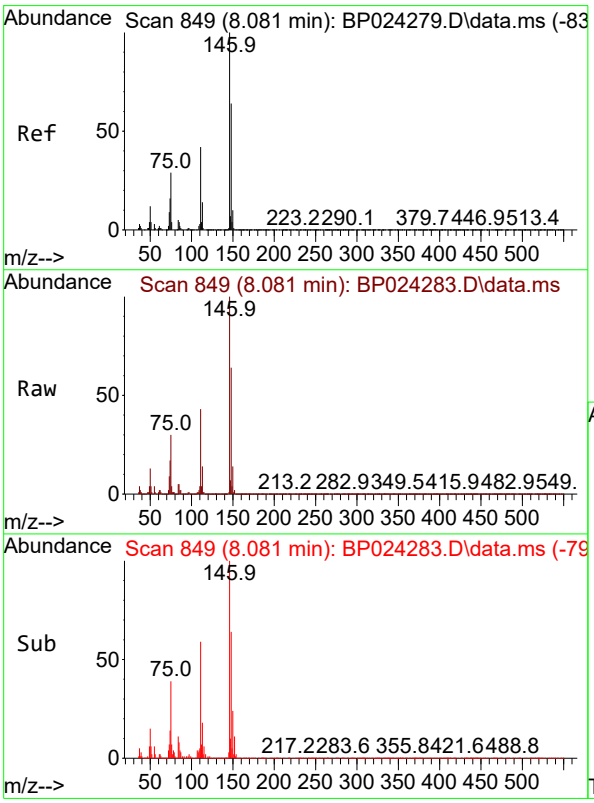
#13
1,4-Dichlorobenzene
Concen: 40.516 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:146 Resp: 694020

Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.1	76.7
111	39.9	32.6	48.8

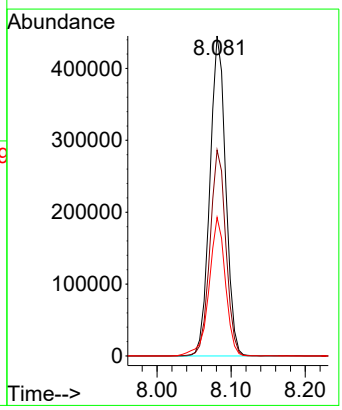


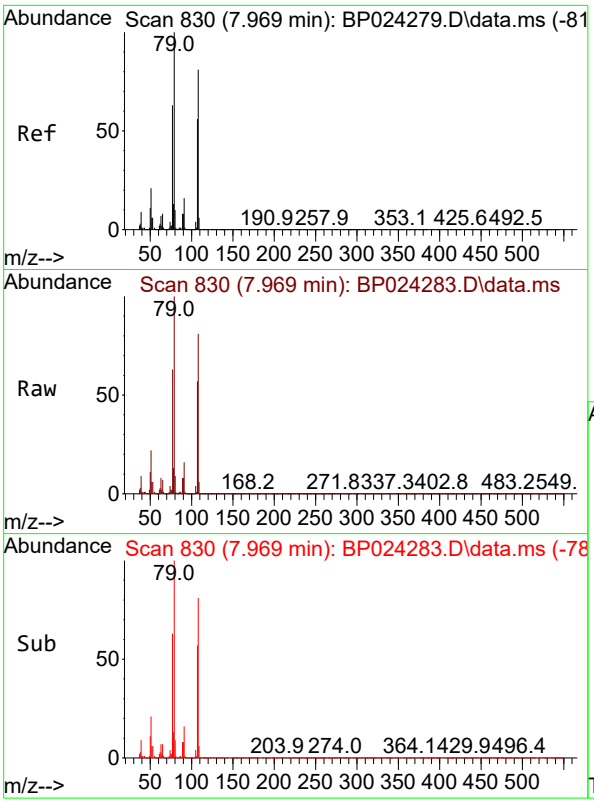


#14
1,2-Dichlorobenzene
Concen: 39.898 ng
RT: 8.081 min Scan# 849
Delta R.T. 0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:146 Resp: 659947

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.0	76.4
111	43.3	33.8	50.8



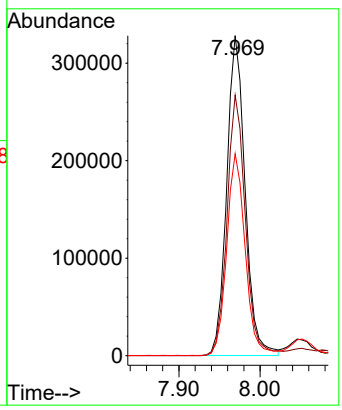


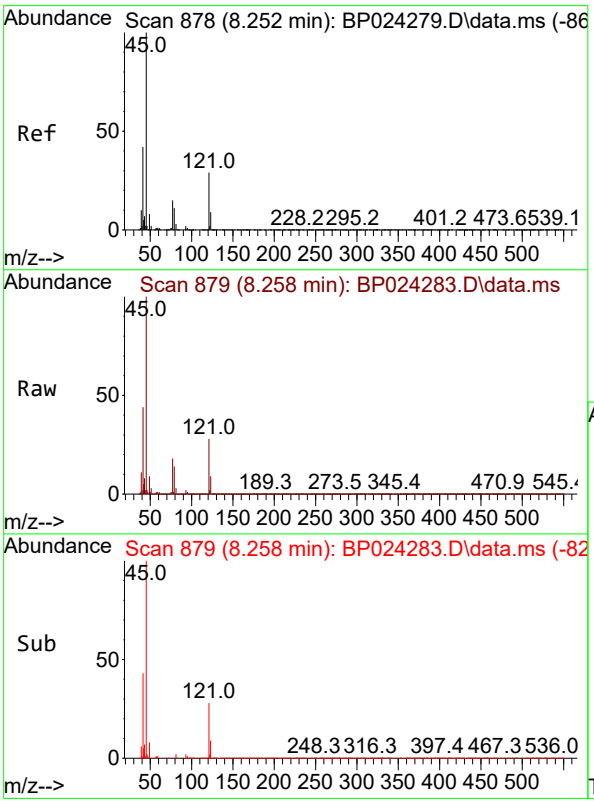
#15
Benzyl Alcohol
Concen: 41.621 ng
RT: 7.969 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion: 79 Resp: 517678

Ion	Ratio	Lower	Upper
79	100		
108	81.4	65.1	97.7
77	63.1	50.7	76.1

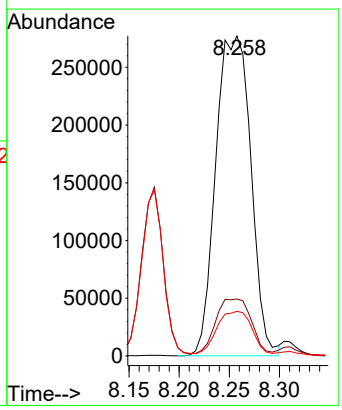


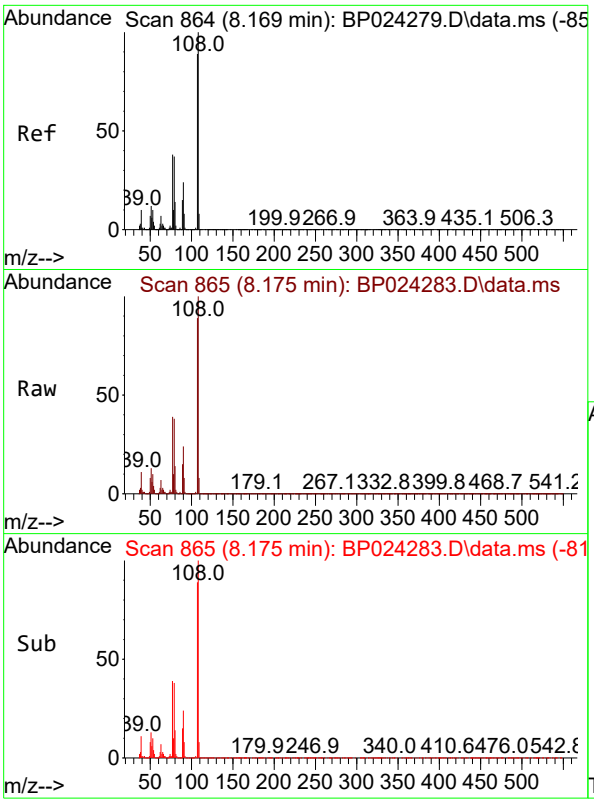


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.173 ng
RT: 8.258 min Scan# 879
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion: 45 Resp: 674999

Ion	Ratio	Lower	Upper
45	100		
77	17.8	0.0	37.7
79	13.9	0.0	33.5



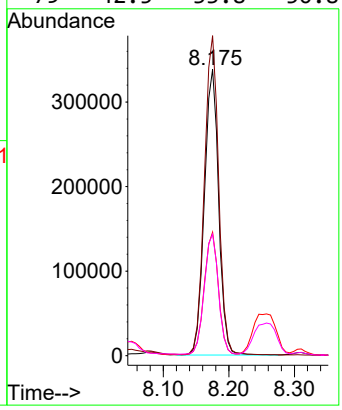


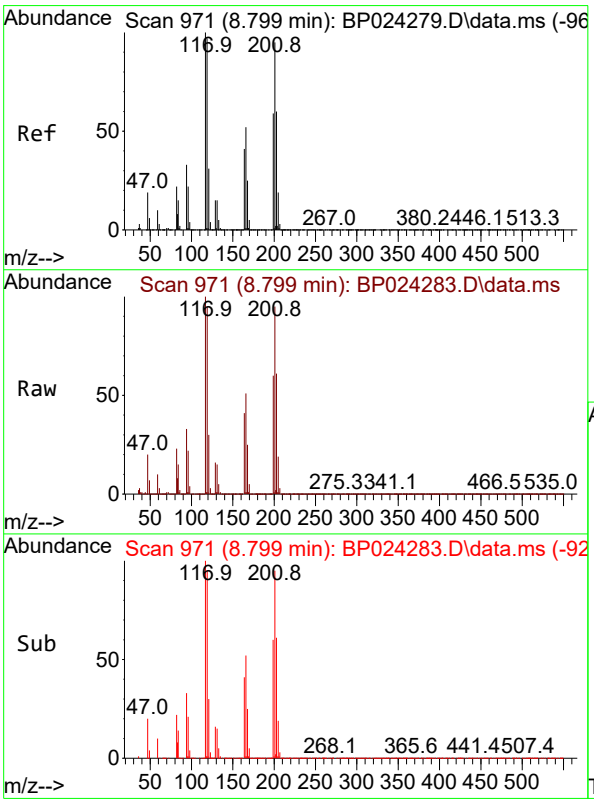
#17
2-Methylphenol
Concen: 41.046 ng
RT: 8.175 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:107 Resp: 512292

Ion	Ratio	Lower	Upper
107	100		
108	111.8	89.8	134.6
77	43.2	34.2	51.4
79	42.5	33.8	50.8

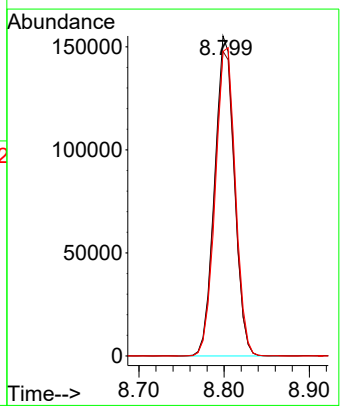


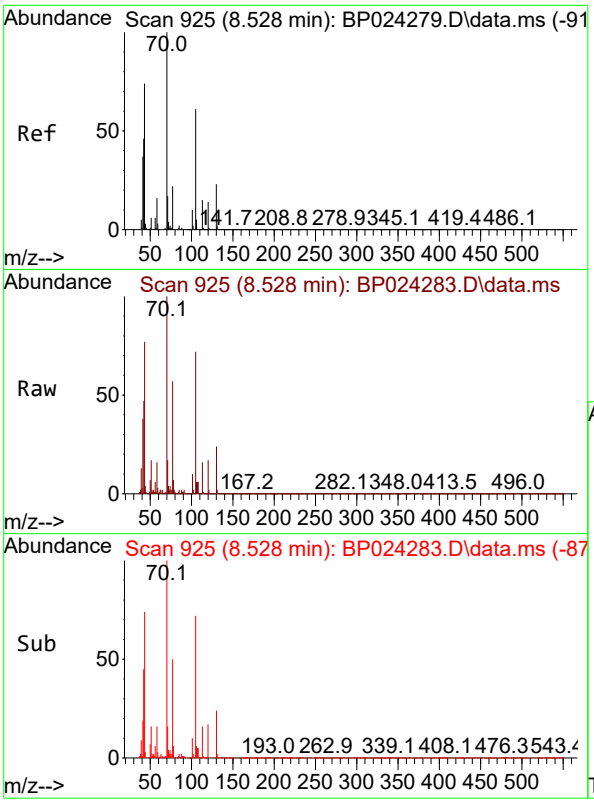


#18
Hexachloroethane
Concen: 40.522 ng
RT: 8.799 min Scan# 971
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:117 Resp: 250852

Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.8	116.6
201	95.1	75.9	113.9



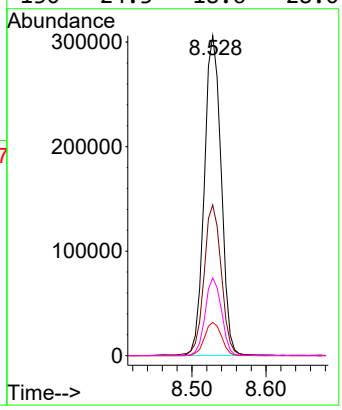


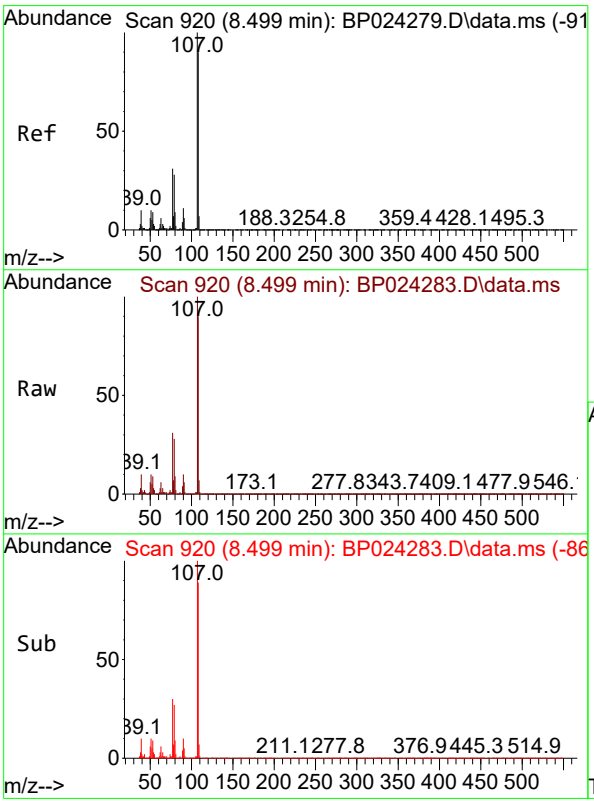
#19
n-Nitroso-di-n-propylamine
Concen: 40.471 ng
RT: 8.528 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion: 70 Resp: 481540

Ion	Ratio	Lower	Upper
70	100		
42	47.1	37.3	55.9
101	10.4	8.2	12.4
130	24.3	18.6	28.0

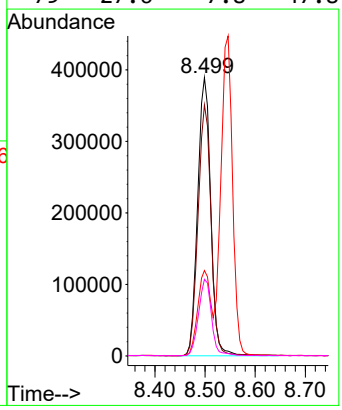


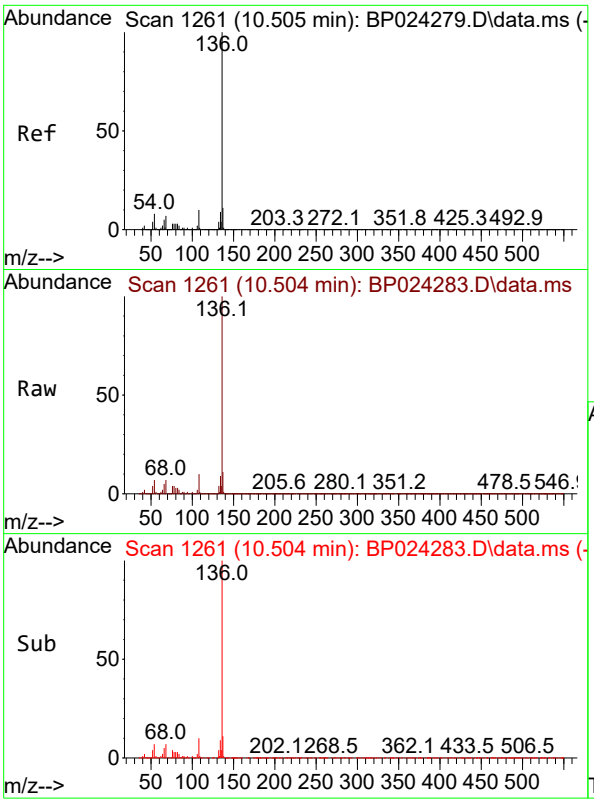


#20
3+4-Methylphenols
Concen: 40.810 ng
RT: 8.499 min Scan# 920
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:107 Resp: 706733

Ion	Ratio	Lower	Upper
107	100		
108	90.2	69.8	109.8
77	30.7	11.5	51.5
79	27.6	7.8	47.8



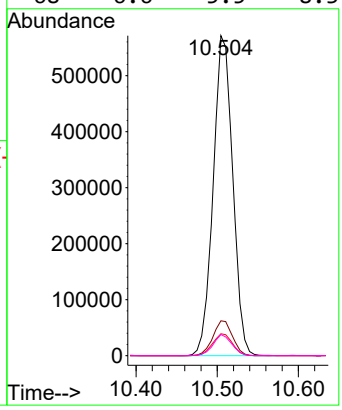


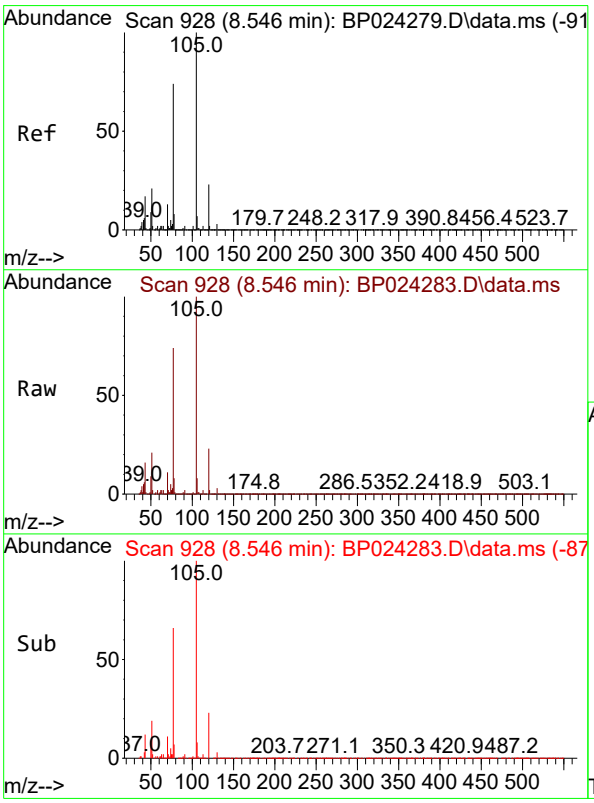
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.504 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:136 Resp: 956448

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	6.8	6.0	9.0
68	6.6	5.5	8.3

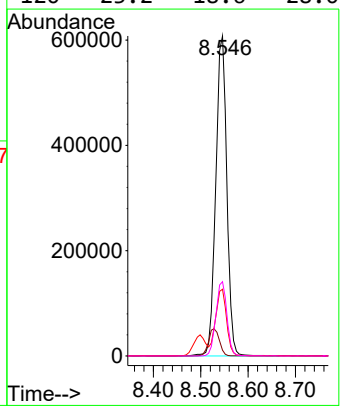


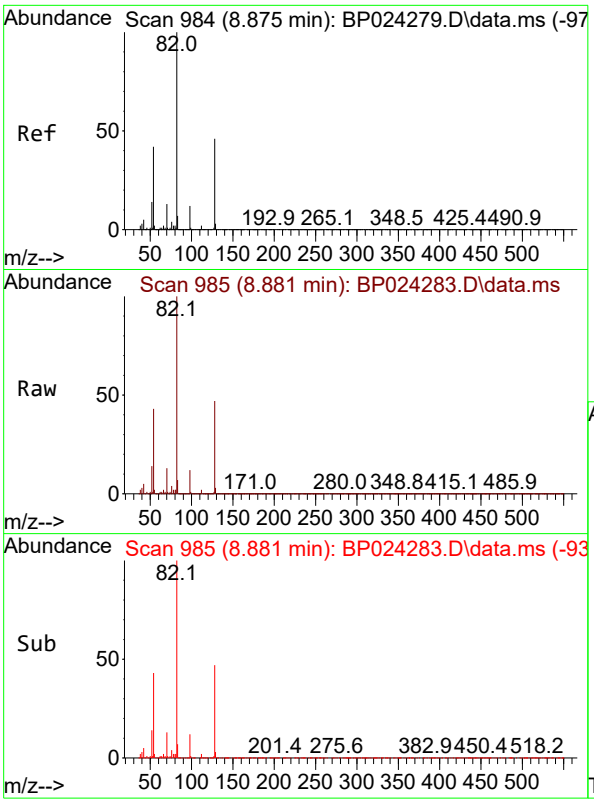


#22
Acetophenone
Concen: 41.652 ng
RT: 8.546 min Scan# 928
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:105 Resp: 986019

Ion	Ratio	Lower	Upper
105	100		
71	1.8	1.7	2.5
51	20.8	16.9	25.3
120	23.2	18.6	28.0



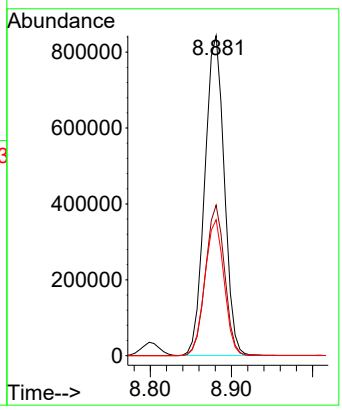


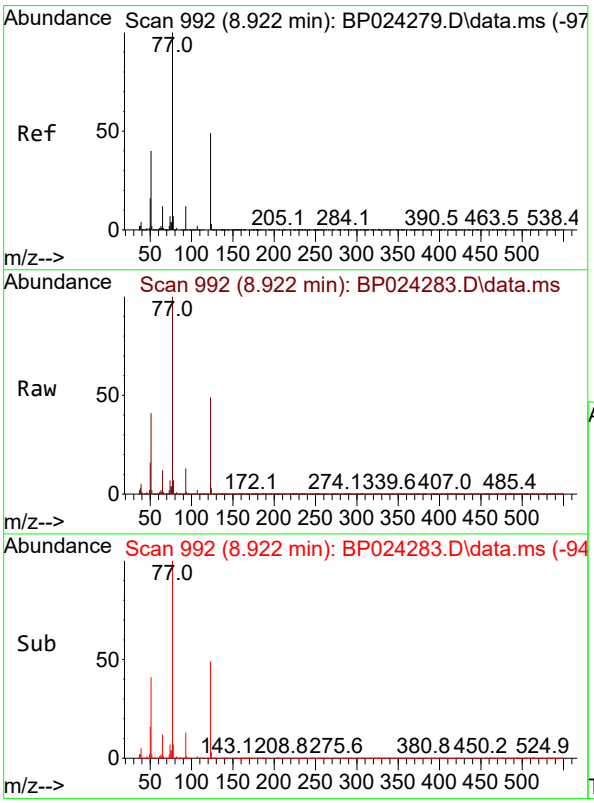
#23
Nitrobenzene-d5
Concen: 83.531 ng
RT: 8.881 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion: 82 Resp: 1401115

Ion	Ratio	Lower	Upper
82	100		
128	47.0	36.5	54.7
54	42.5	33.4	50.2

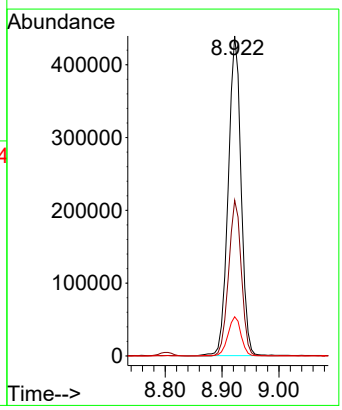


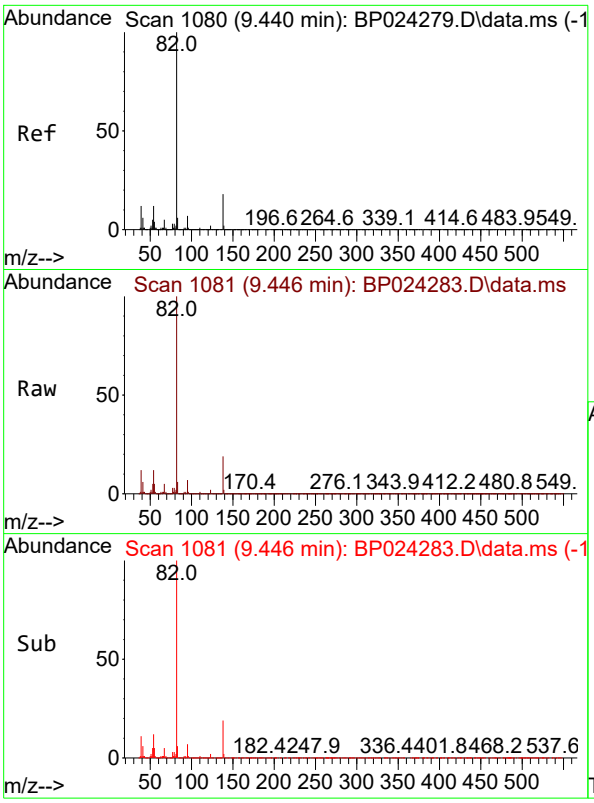


#24
Nitrobenzene
Concen: 41.537 ng
RT: 8.922 min Scan# 992
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion: 77 Resp: 689231

Ion	Ratio	Lower	Upper
77	100		
123	48.7	39.2	58.8
65	12.2	9.8	14.6



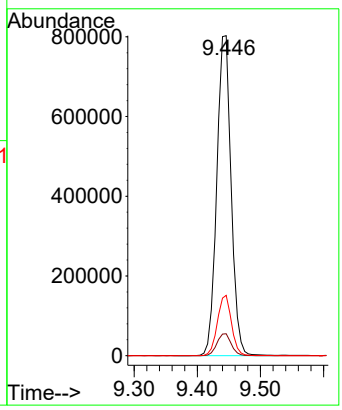


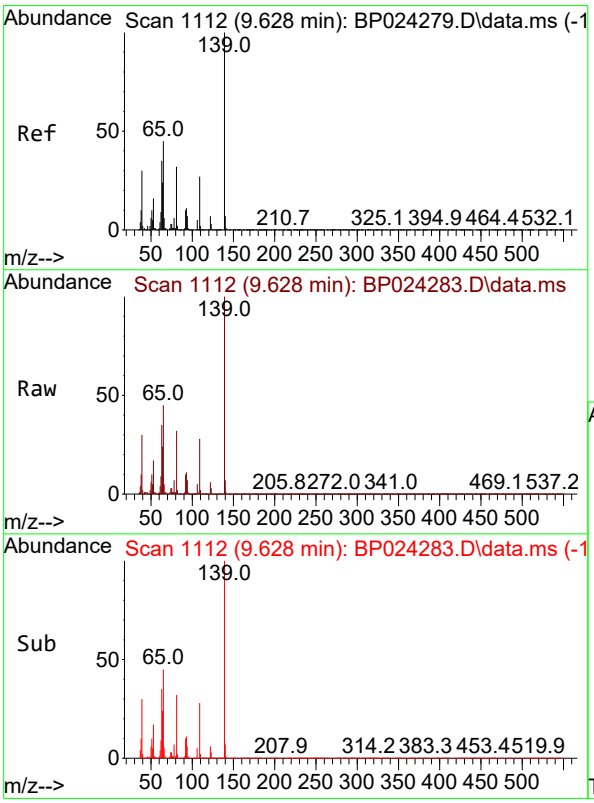
#25
Isophorone
Concen: 41.648 ng
RT: 9.446 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion: 82 Resp: 1264480

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.4	8.2
138	18.8	14.4	21.6

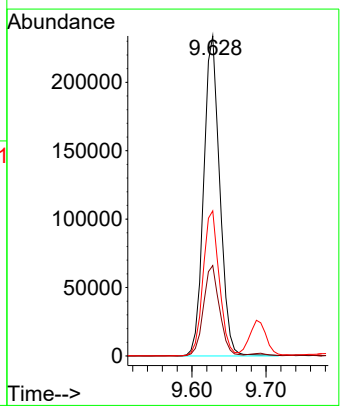


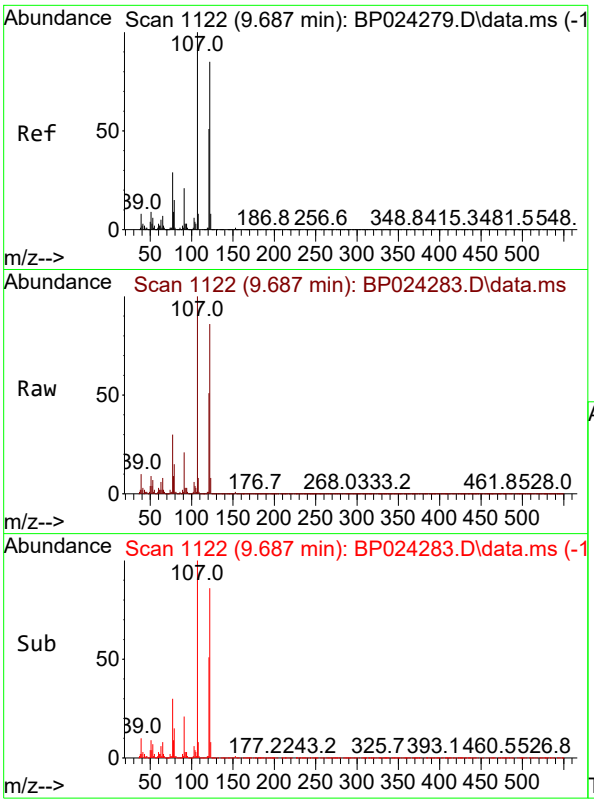


#26
2-Nitrophenol
Concen: 43.376 ng
RT: 9.628 min Scan# 1112
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:139 Resp: 352229

Ion	Ratio	Lower	Upper
139	100		
109	28.2	21.8	32.6
65	45.3	36.2	54.2



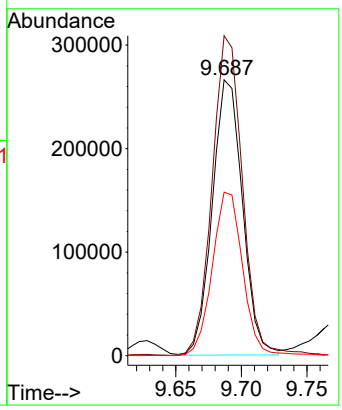


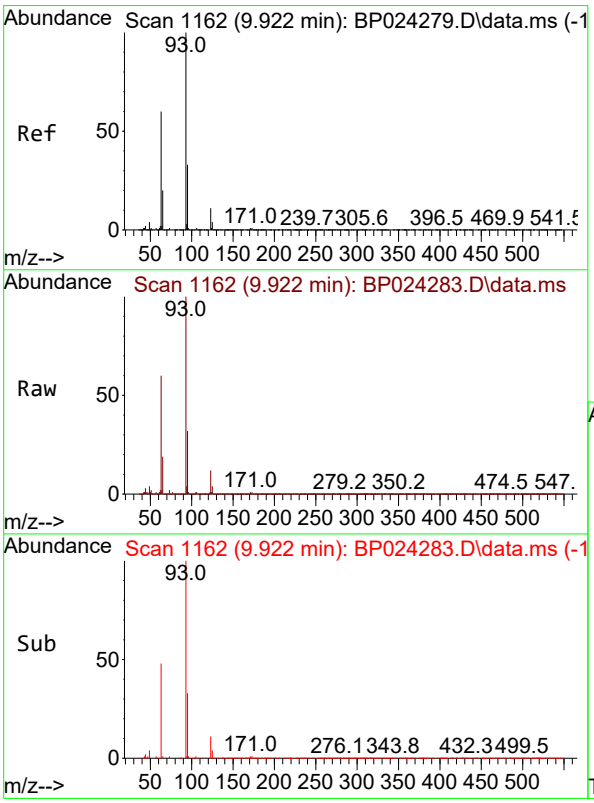
#27
2,4-Dimethylphenol
Concen: 41.689 ng
RT: 9.687 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:122 Resp: 425062

Ion	Ratio	Lower	Upper
122	100		
107	116.0	93.7	140.5
121	59.3	48.2	72.2

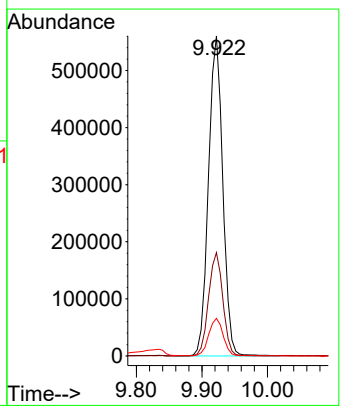


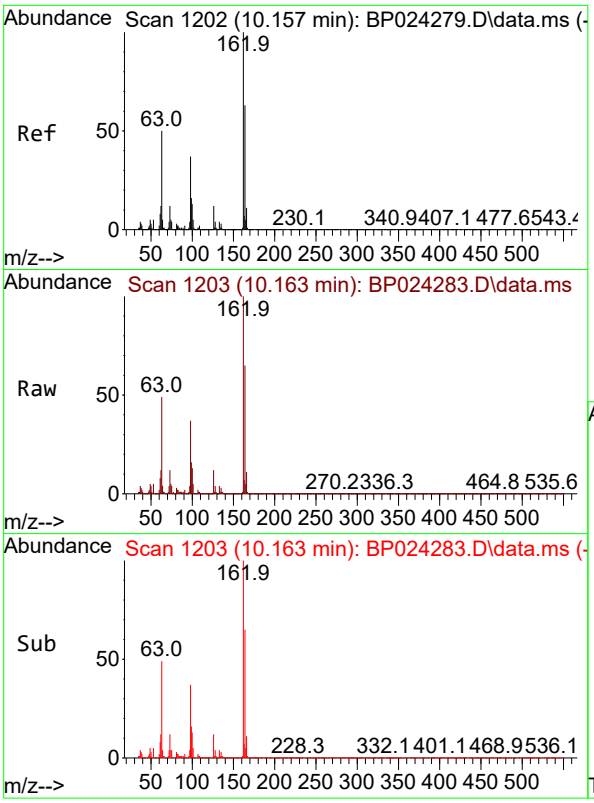


#28
bis(2-Chloroethoxy)methane
Concen: 41.402 ng
RT: 9.922 min Scan# 1162
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion: 93 Resp: 849161

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.0	39.0
123	11.7	9.1	13.7



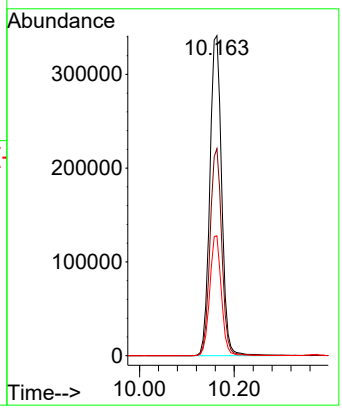


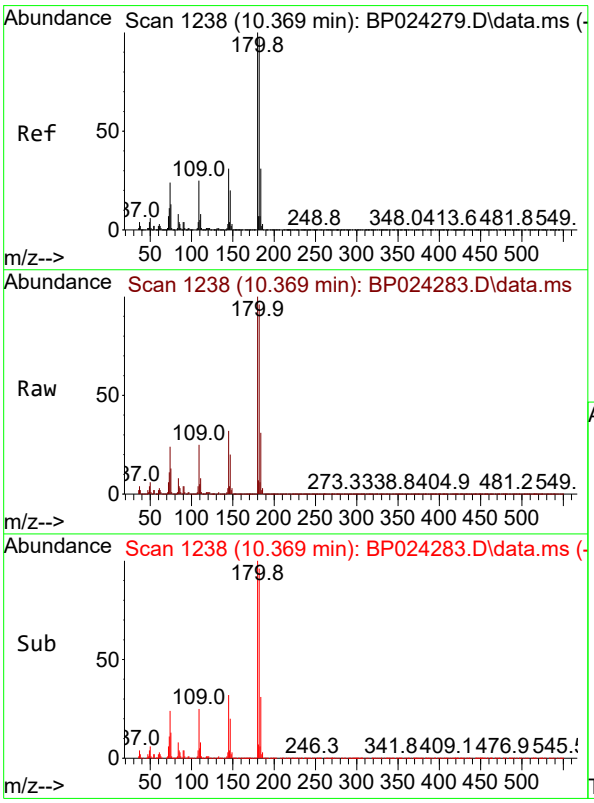
#29
2,4-Dichlorophenol
Concen: 42.461 ng
RT: 10.163 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:162 Resp: 590306

Ion	Ratio	Lower	Upper
162	100		
164	64.7	43.3	83.3
98	37.4	16.6	56.6

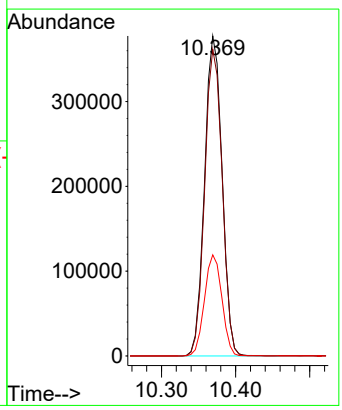


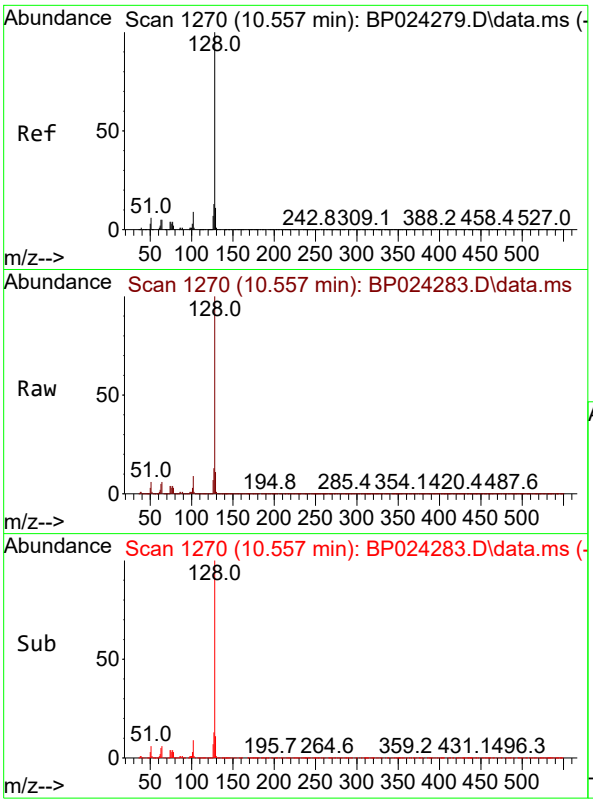


#30
1,2,4-Trichlorobenzene
Concen: 41.612 ng
RT: 10.369 min Scan# 1238
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:180 Resp: 619818

Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.3	115.9
145	31.6	25.1	37.7



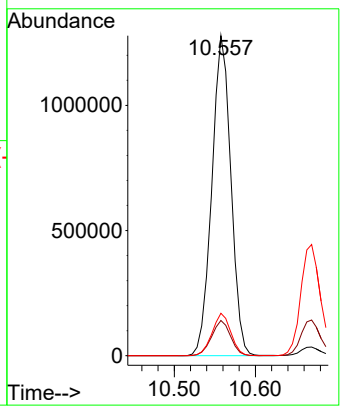


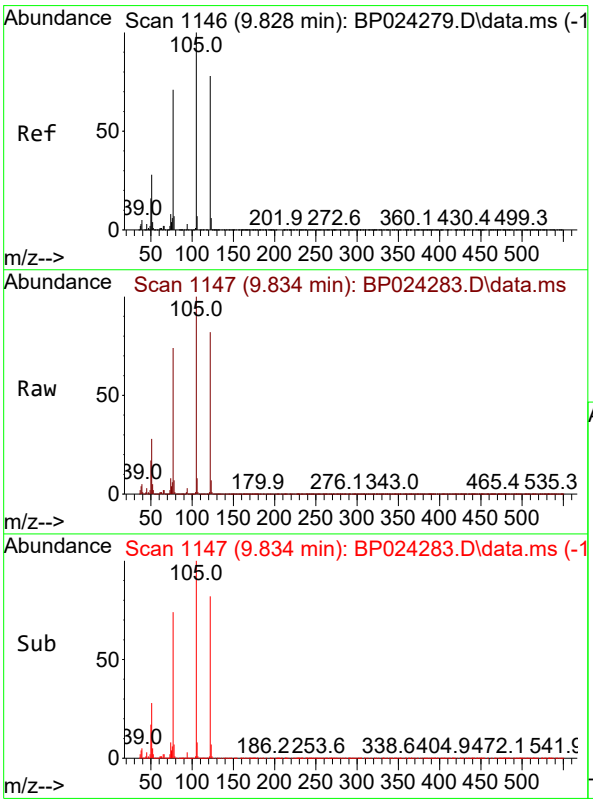
#31
Naphthalene
Concen: 41.386 ng
RT: 10.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:128 Resp: 2085090

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	13.0
127	13.2	10.3	15.5

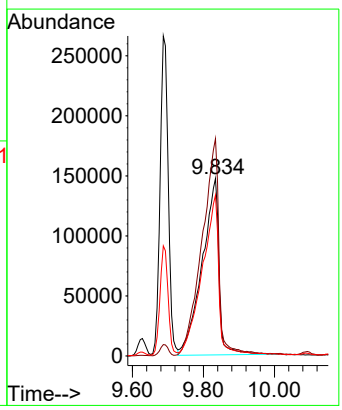


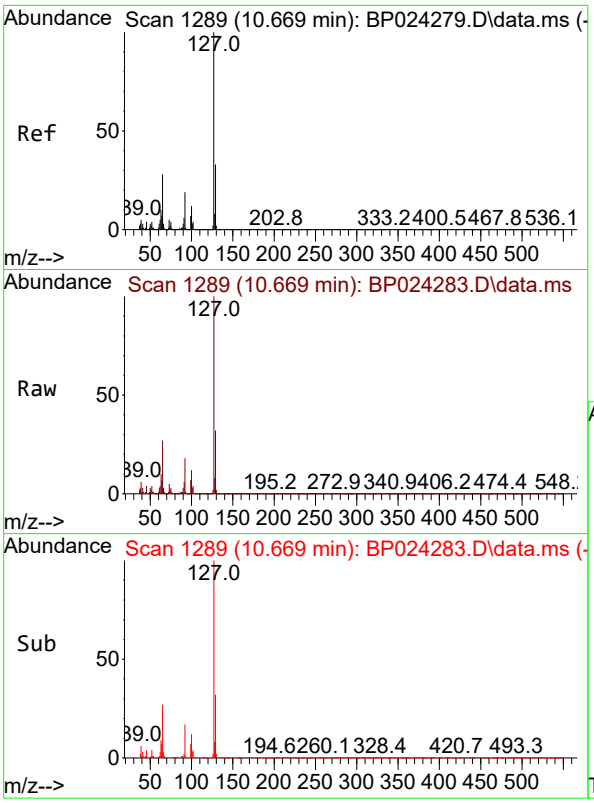


#32
Benzoic acid
Concen: 40.959 ng
RT: 9.834 min Scan# 1147
Delta R.T. -0.041 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:122 Resp: 486627

Ion	Ratio	Lower	Upper
122	100		
105	122.5	104.8	144.8
77	90.6	69.2	109.2



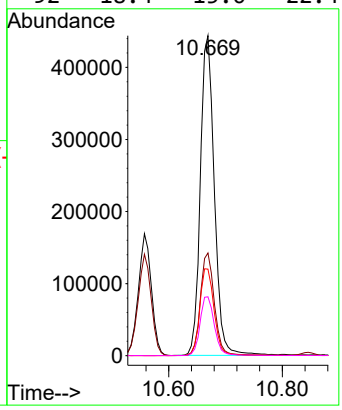


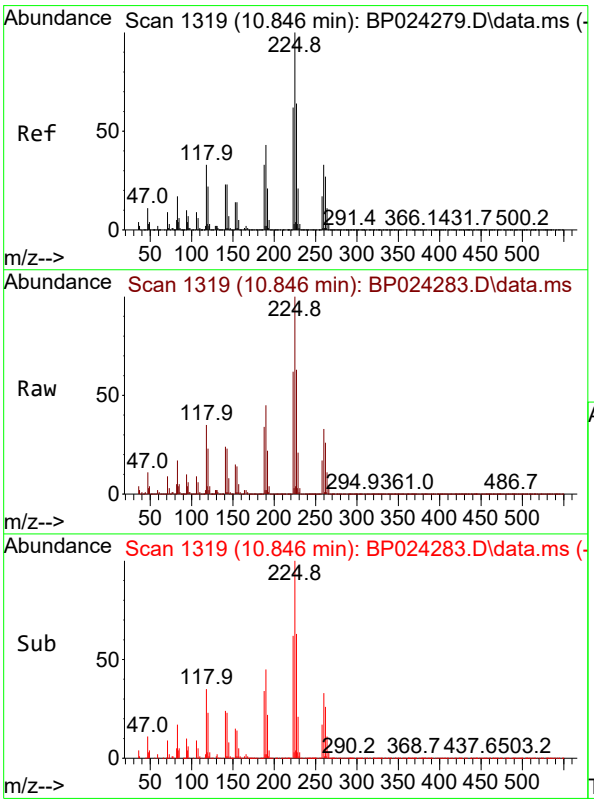
#33
4-Chloroaniline
Concen: 42.937 ng
RT: 10.669 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:127 Resp: 761817

Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.1	39.1
65	27.1	22.1	33.1
92	18.4	15.0	22.4

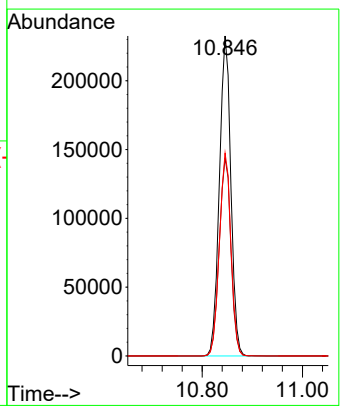


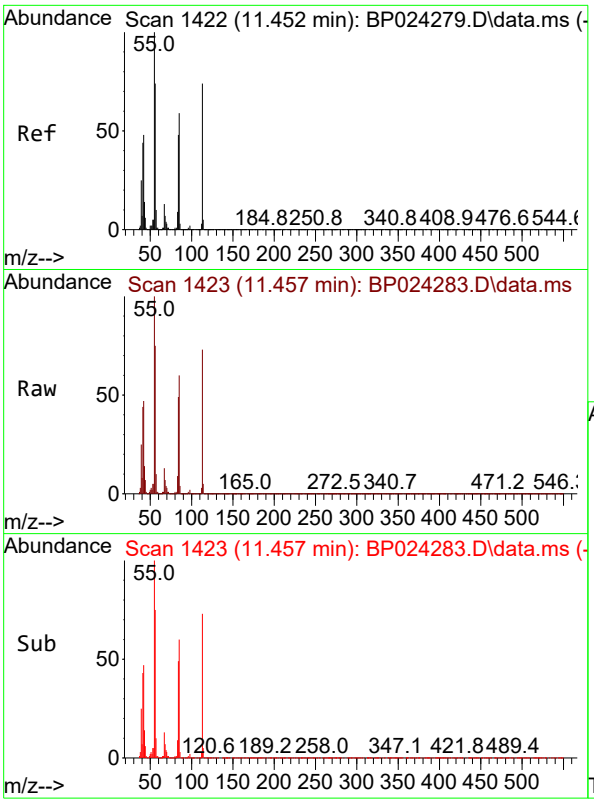


#34
Hexachlorobutadiene
Concen: 42.007 ng
RT: 10.846 min Scan# 1319
Delta R.T. 0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:225 Resp: 367684

Ion	Ratio	Lower	Upper
225	100		
223	61.9	49.5	74.3
227	63.4	50.9	76.3



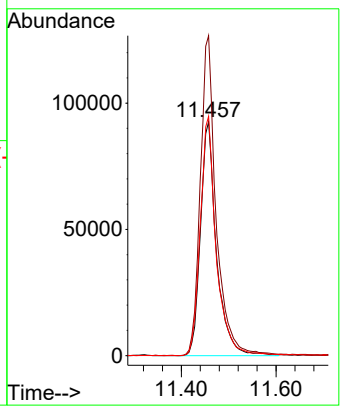


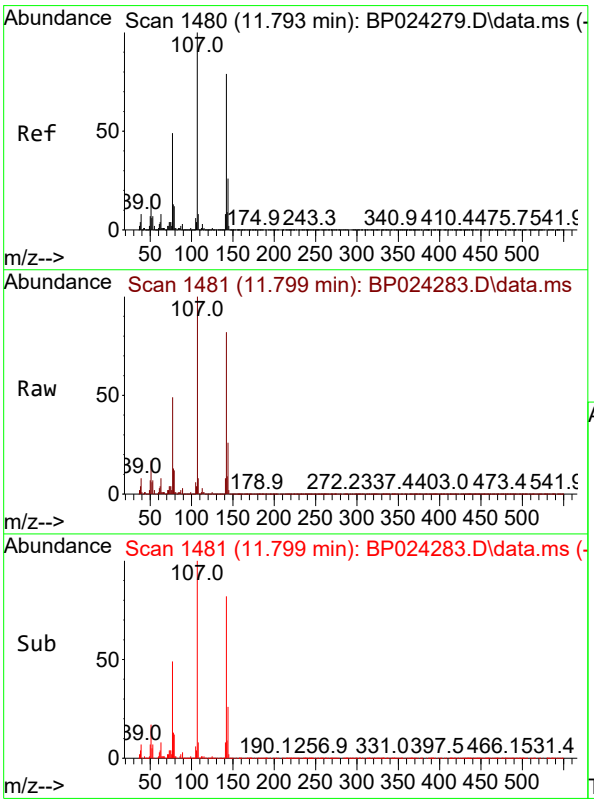
#35
Caprolactam
Concen: 42.152 ng
RT: 11.457 min Scan# 14
Delta R.T. -0.023 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:113 Resp: 216229

Ion	Ratio	Lower	Upper
113	100		
55	136.8	115.9	155.9
56	102.3	81.1	121.1

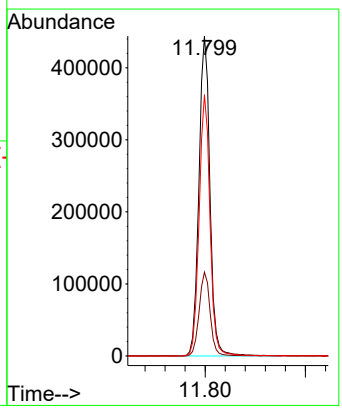


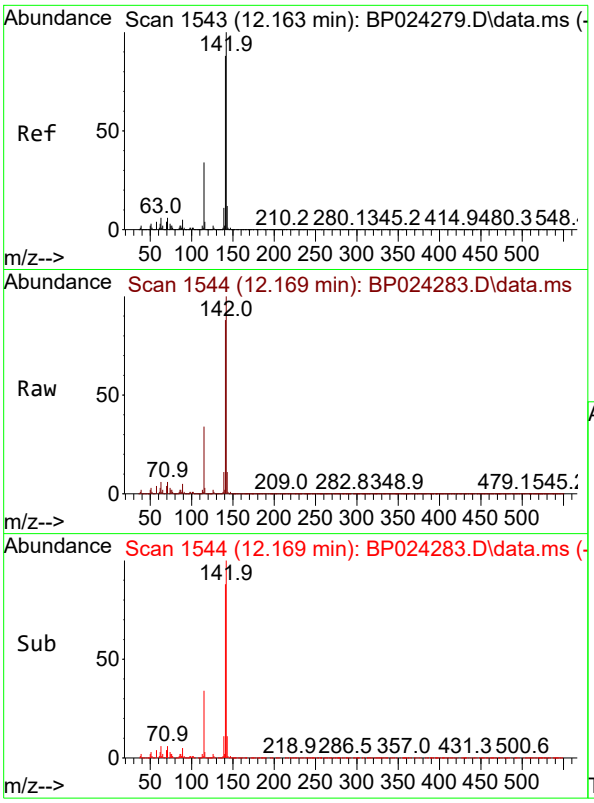


#36
4-Chloro-3-methylphenol
Concen: 41.737 ng
RT: 11.799 min Scan# 1481
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:107 Resp: 675857

Ion	Ratio	Lower	Upper
107	100		
144	26.2	20.5	30.7
142	81.6	63.4	95.2



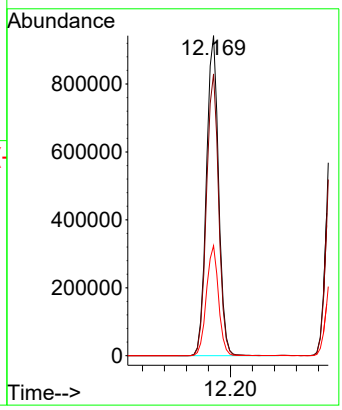


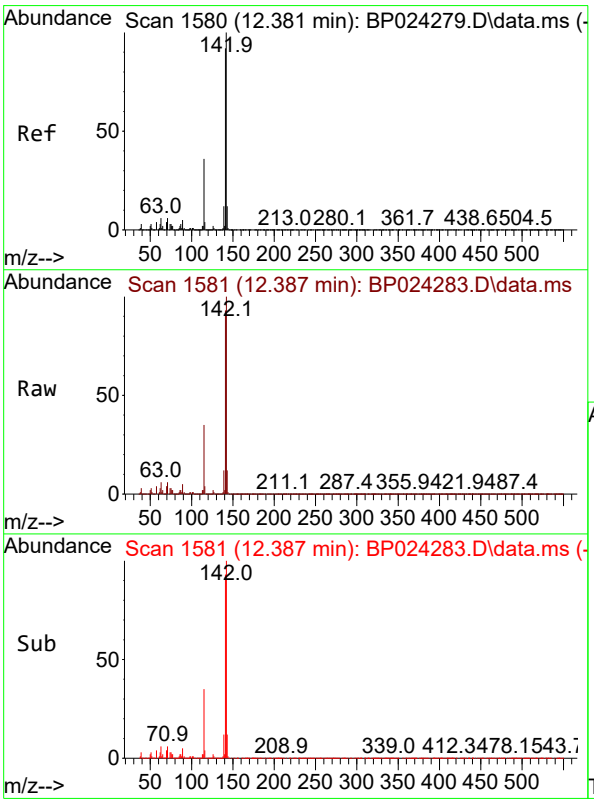
#37
2-Methylnaphthalene
Concen: 41.403 ng
RT: 12.169 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:142 Resp: 1446647

Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.3	105.5
115	34.4	26.9	40.3

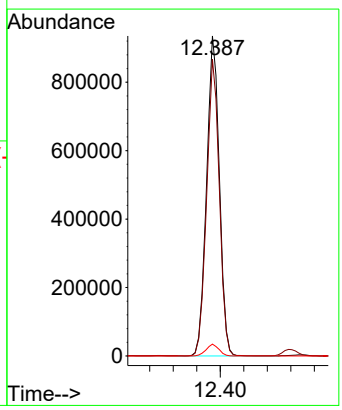


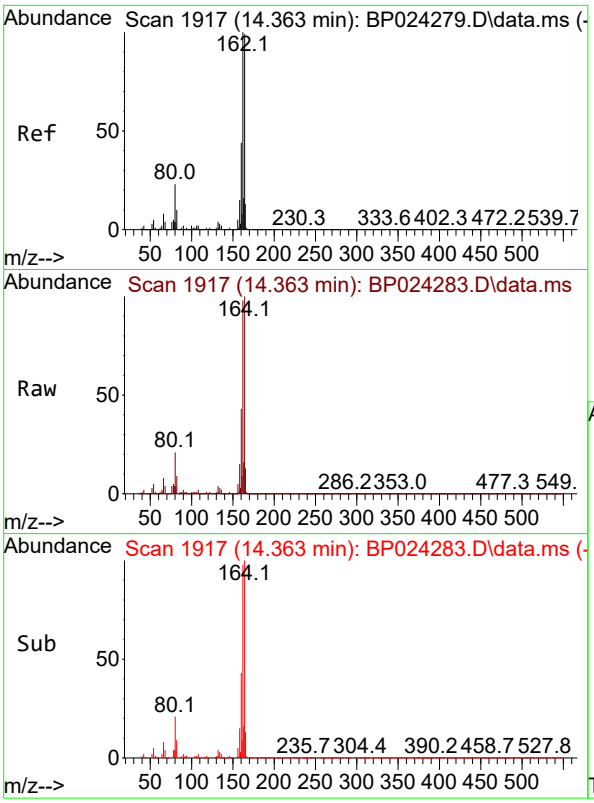


#38
1-Methylnaphthalene
Concen: 41.210 ng
RT: 12.387 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:142 Resp: 1408633

Ion	Ratio	Lower	Upper
142	100		
141	92.7	73.6	110.4
116	3.7	3.0	4.6



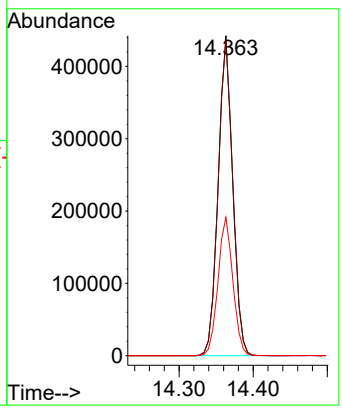


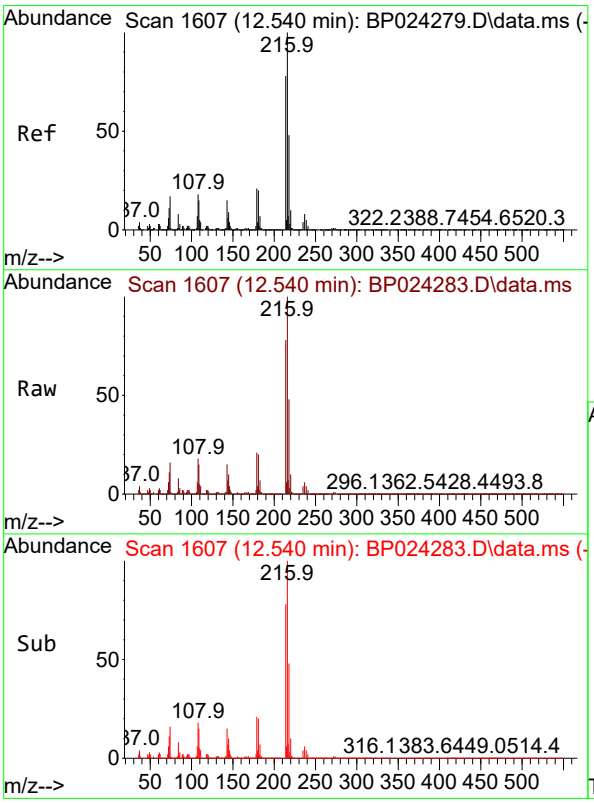
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.363 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:164 Resp: 600031

Ion	Ratio	Lower	Upper
164	100		
162	98.5	80.6	120.8
160	43.2	35.3	52.9

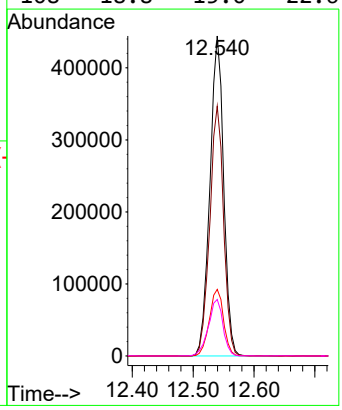


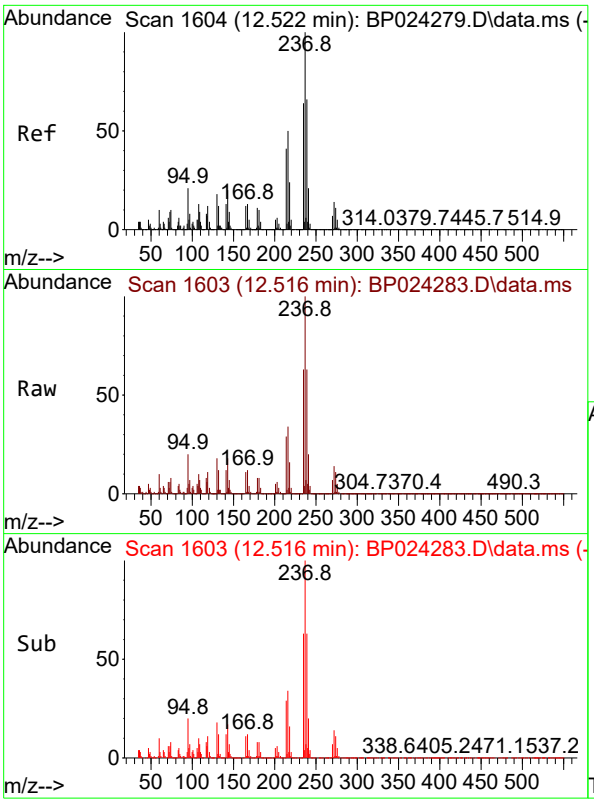


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.275 ng
RT: 12.540 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:216 Resp: 697580

Ion	Ratio	Lower	Upper
216	100		
214	78.6	62.6	93.8
179	21.5	17.2	25.8
108	18.8	15.0	22.6



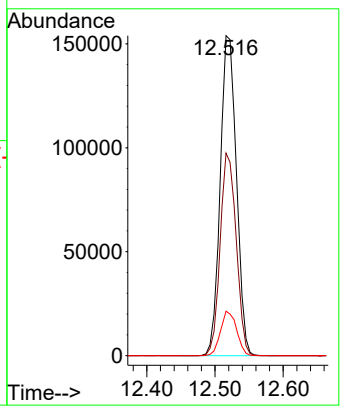


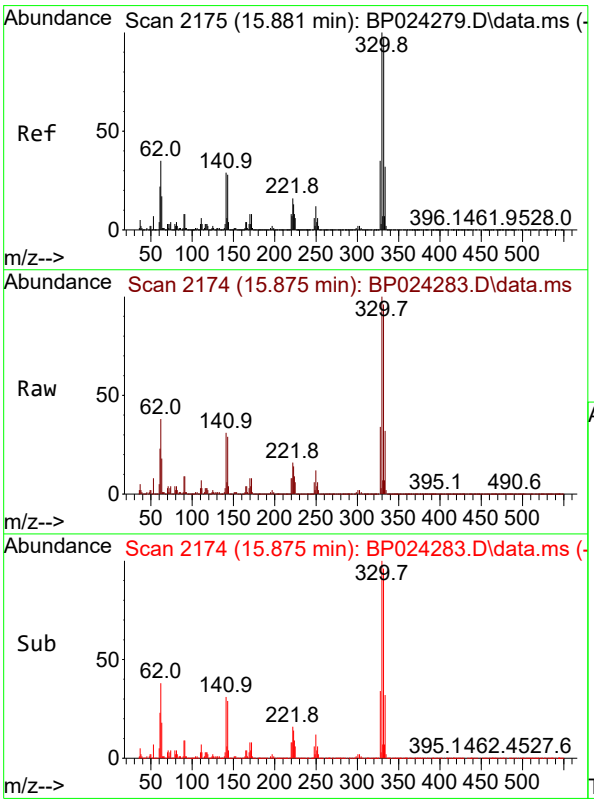
#41
Hexachlorocyclopentadiene
Concen: 43.639 ng
RT: 12.516 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:237 Resp: 254676

Ion	Ratio	Lower	Upper
237	100		
235	63.3	43.9	83.9
272	13.9	0.0	33.6

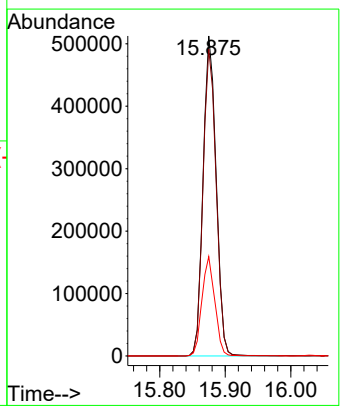


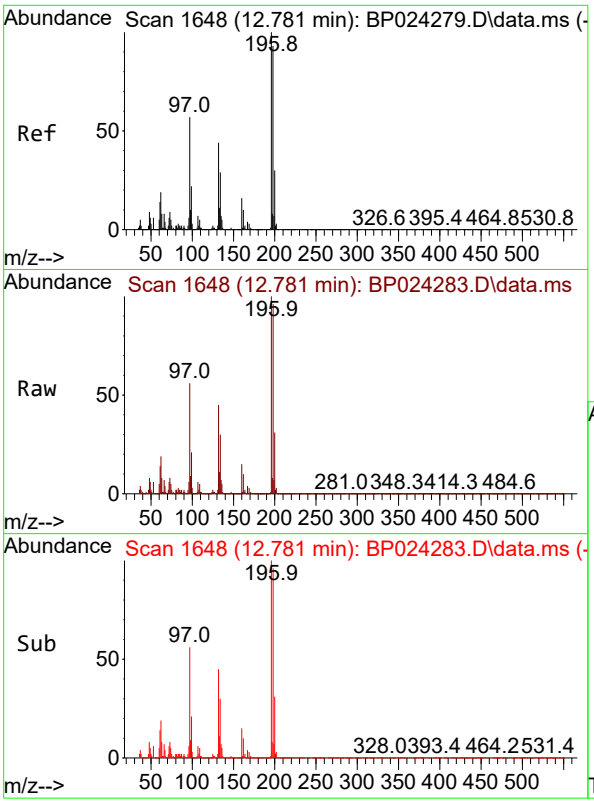


#42
2,4,6-Tribromophenol
Concen: 85.488 ng
RT: 15.875 min Scan# 2174
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:330 Resp: 709703

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.1	115.7
141	30.7	24.7	37.1



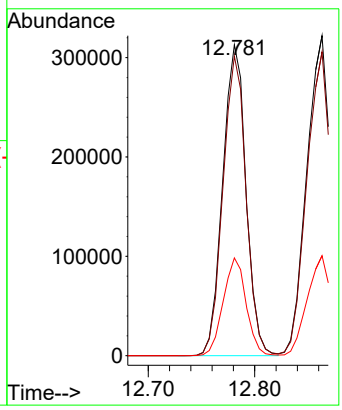


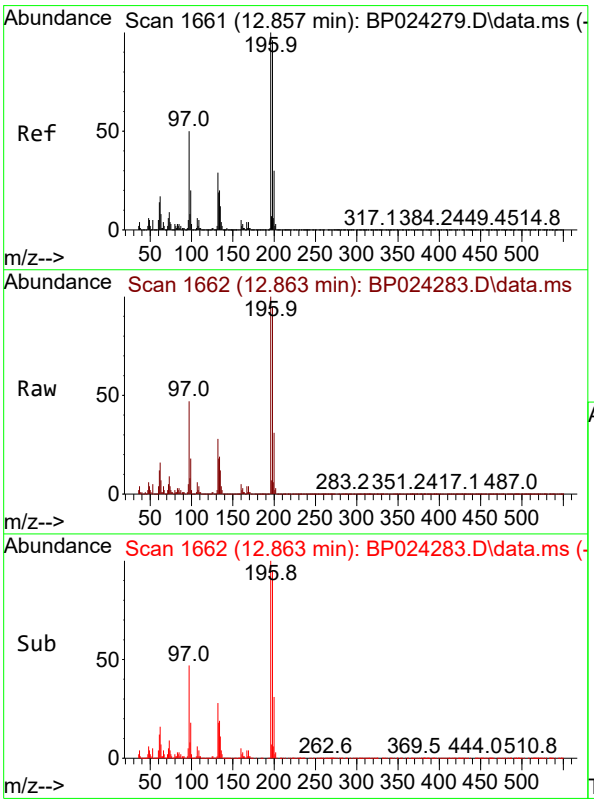
#43
2,4,6-Trichlorophenol
Concen: 43.329 ng
RT: 12.781 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:196 Resp: 475349

Ion	Ratio	Lower	Upper
196	100		
198	96.3	74.3	111.5
200	31.4	24.0	36.0

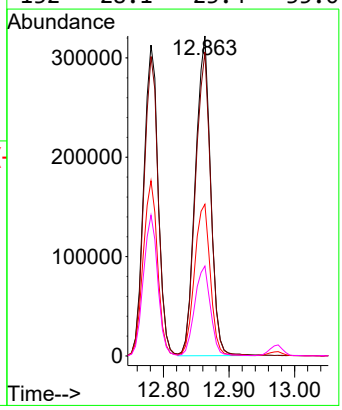


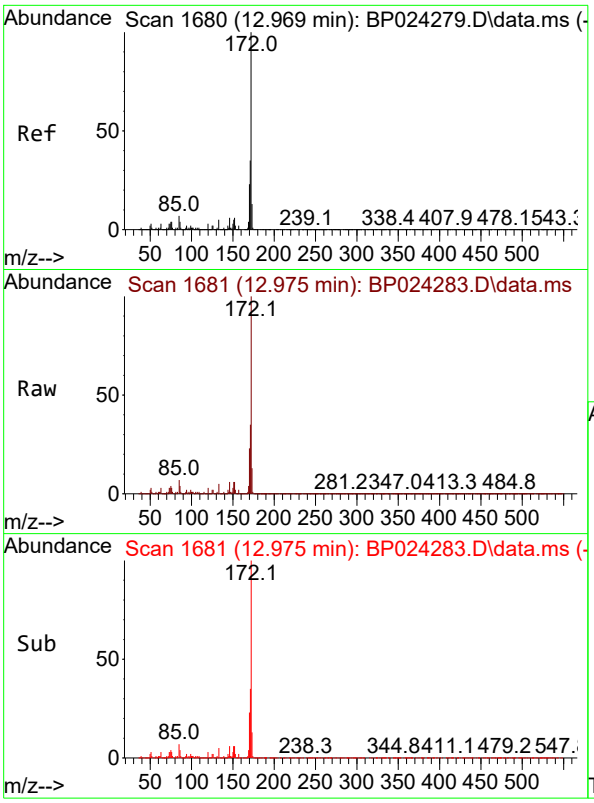


#44
2,4,5-Trichlorophenol
Concen: 42.828 ng
RT: 12.863 min Scan# 1662
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:196 Resp: 520298

Ion	Ratio	Lower	Upper
196	100		
198	95.0	77.3	115.9
97	47.4	40.4	60.6
132	28.1	23.4	35.0



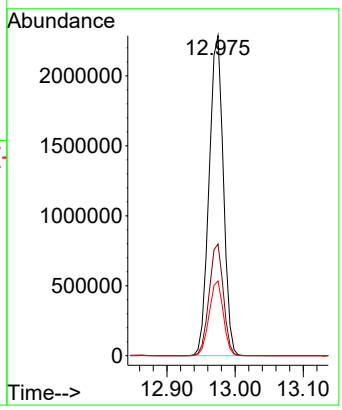


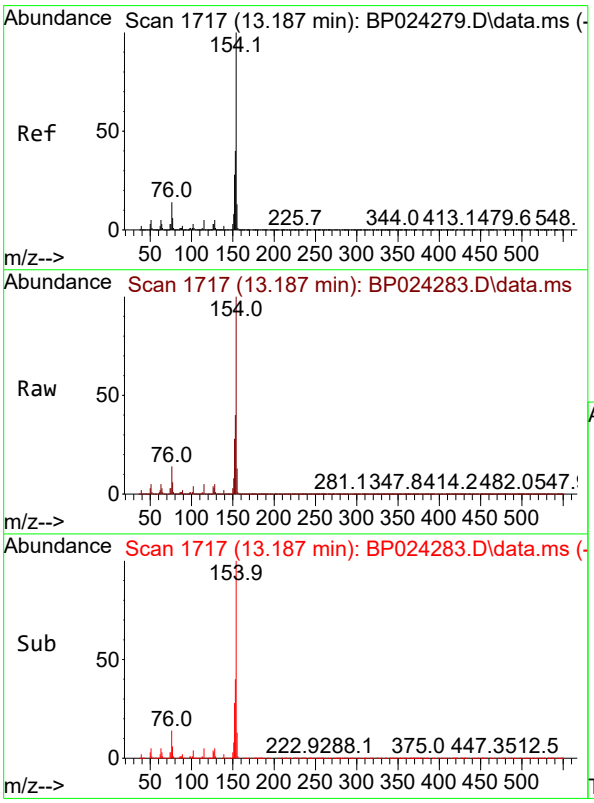
#45
2-Fluorobiphenyl
Concen: 84.715 ng
RT: 12.975 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:172 Resp: 3319933

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.2	42.2
170	23.3	18.6	27.8

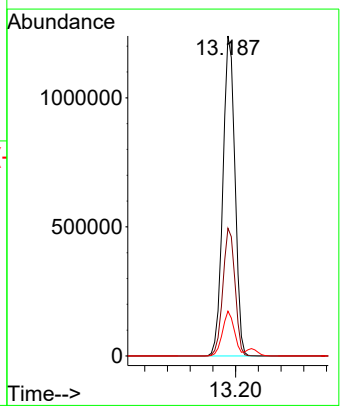


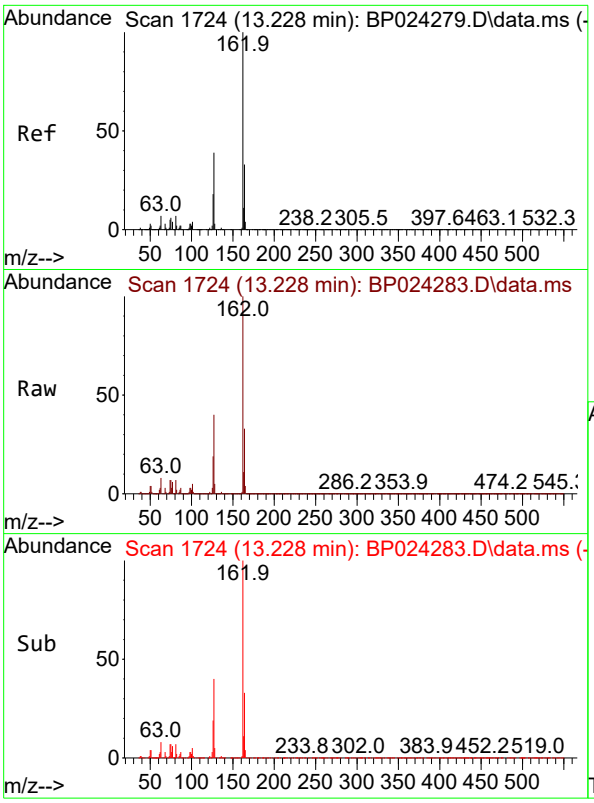


#46
1,1'-Biphenyl
Concen: 41.595 ng
RT: 13.187 min Scan# 1717
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:154 Resp: 1834570

Ion	Ratio	Lower	Upper
154	100		
153	39.9	20.3	60.3
76	14.0	0.0	33.5



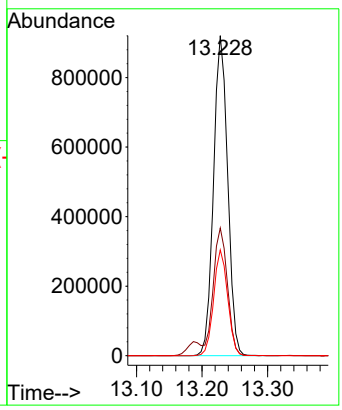


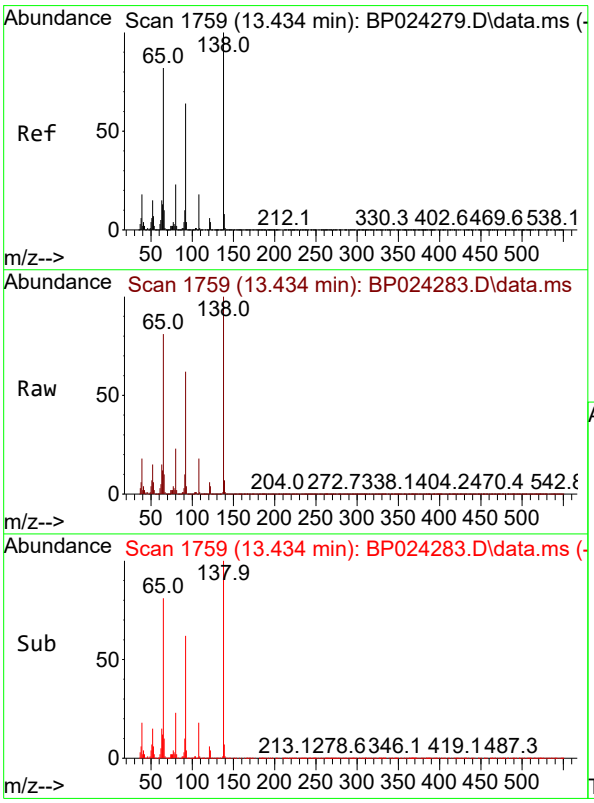
#47
2-Chloronaphthalene
Concen: 41.786 ng
RT: 13.228 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:162 Resp: 1377424

Ion	Ratio	Lower	Upper
162	100		
127	39.9	31.9	47.9
164	33.0	26.2	39.4

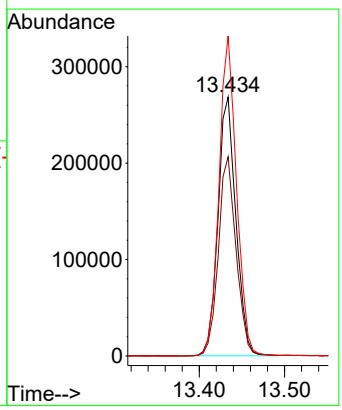


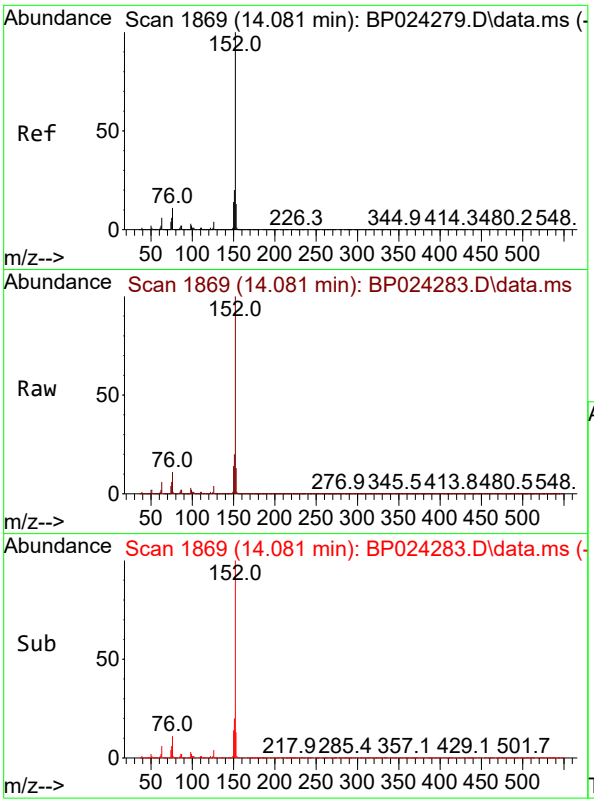


#48
2-Nitroaniline
Concen: 42.475 ng
RT: 13.434 min Scan# 1759
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion: 65 Resp: 392742

Ion	Ratio	Lower	Upper
65	100		
92	77.0	62.3	93.5
138	123.6	97.2	145.8



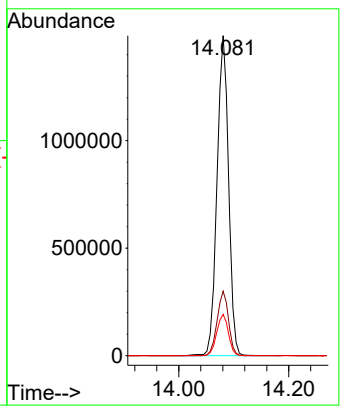


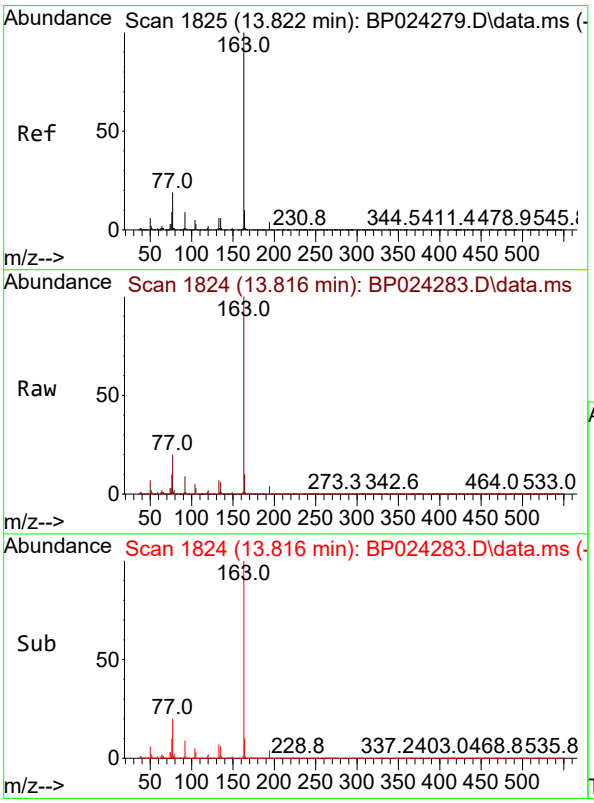
#49
Acenaphthylene
Concen: 41.783 ng
RT: 14.081 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:152 Resp: 2168474

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.9	23.9
153	12.9	10.6	15.8

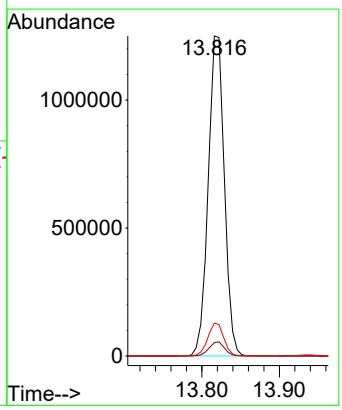


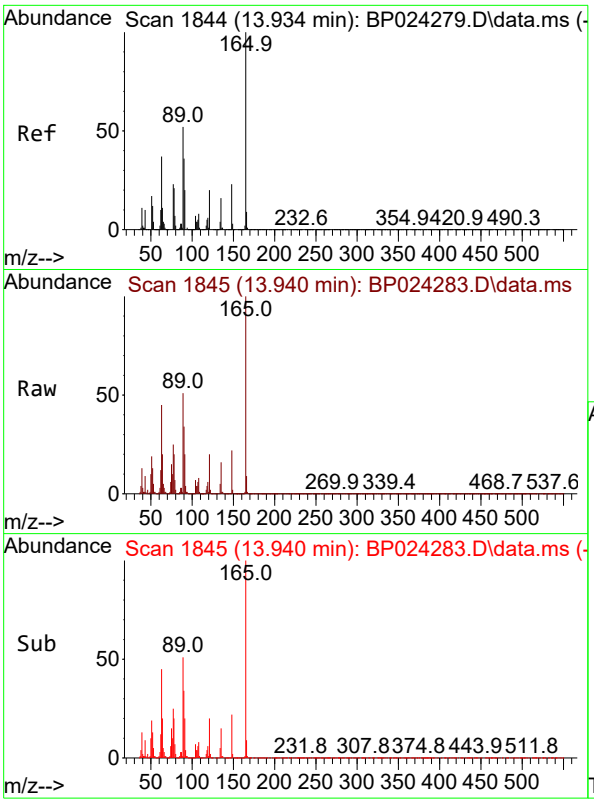


#50
Dimethylphthalate
Concen: 41.478 ng
RT: 13.816 min Scan# 1824
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:163 Resp: 1809923

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.5	5.3
164	10.2	8.0	12.0



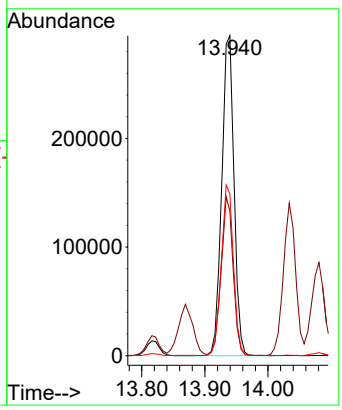


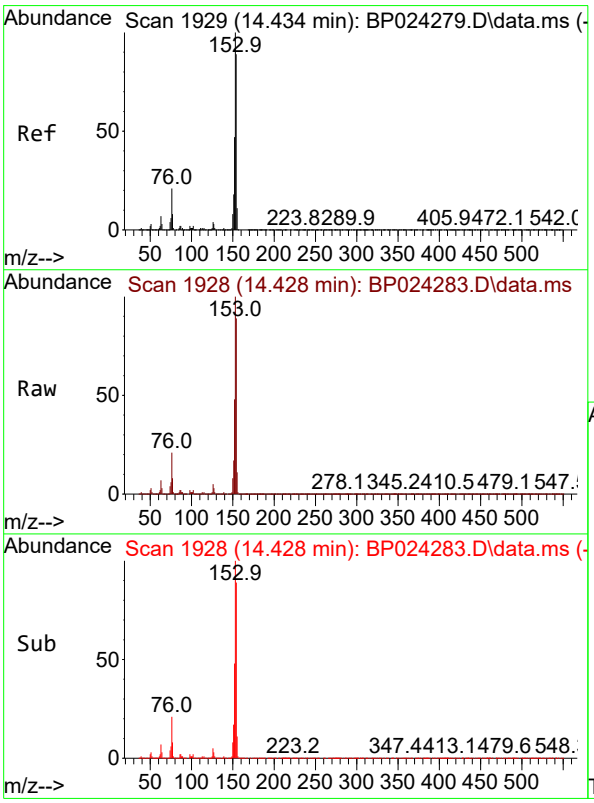
#51
2,6-Dinitrotoluene
Concen: 42.990 ng
RT: 13.940 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:165 Resp: 398345

Ion	Ratio	Lower	Upper
165	100		
63	45.1	38.0	57.0
89	50.5	41.7	62.5

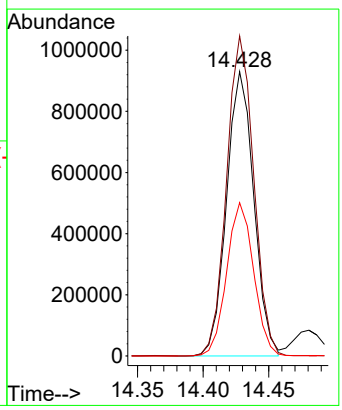


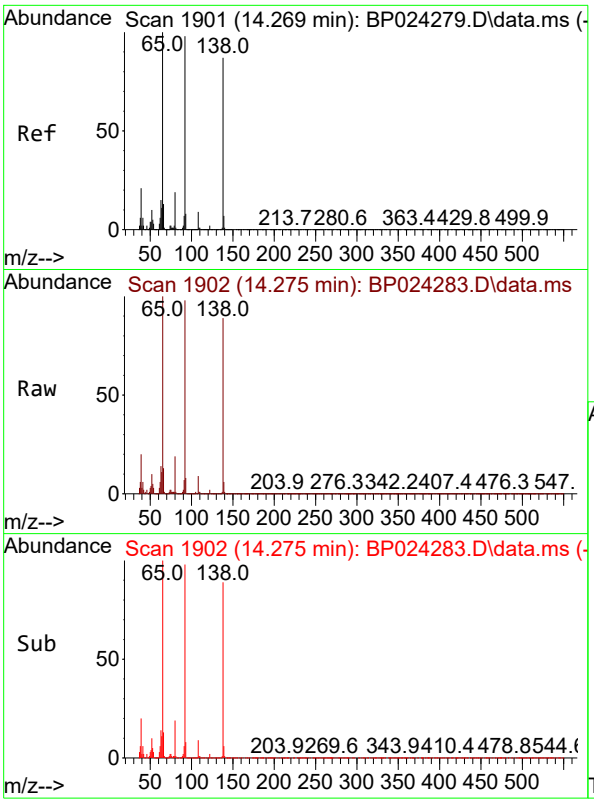


#52
Acenaphthene
Concen: 40.853 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:154 Resp: 1344151

Ion	Ratio	Lower	Upper
154	100		
153	112.6	89.8	134.6
152	53.9	42.6	63.8



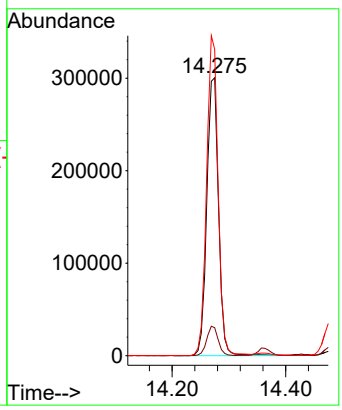


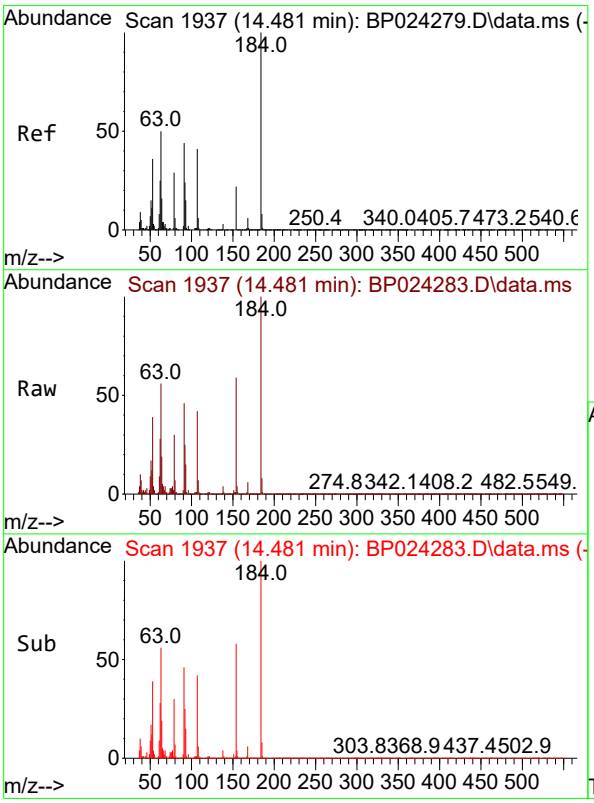
#53
3-Nitroaniline
Concen: 43.931 ng
RT: 14.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:138 Resp: 427828

Ion	Ratio	Lower	Upper
138	100		
108	10.1	8.3	12.5
92	110.2	89.8	134.8

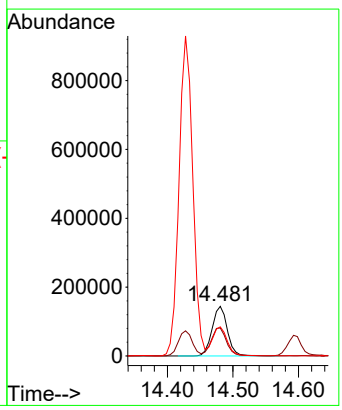


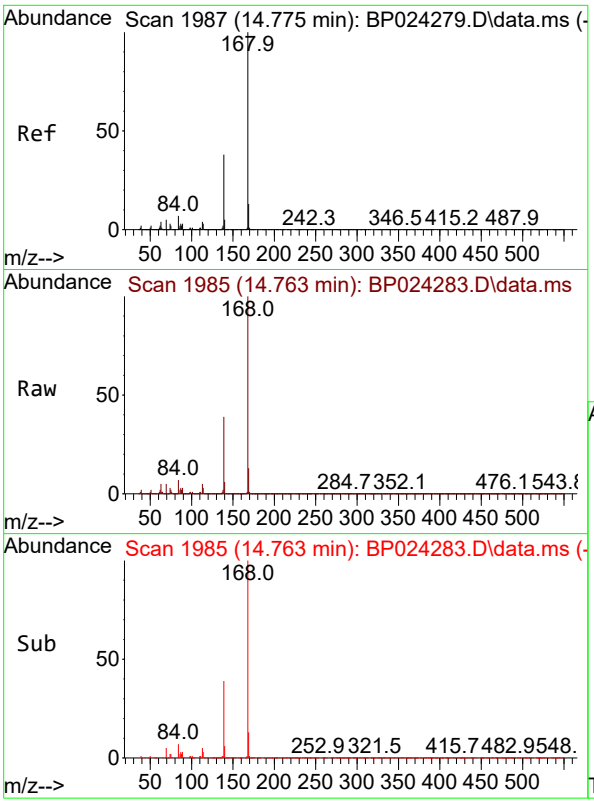


#54
2,4-Dinitrophenol
Concen: 42.485 ng
RT: 14.481 min Scan# 1937
Delta R.T. -0.011 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:184 Resp: 231882

Ion	Ratio	Lower	Upper
184	100		
63	56.3	42.6	64.0
154	58.5	47.2	70.8



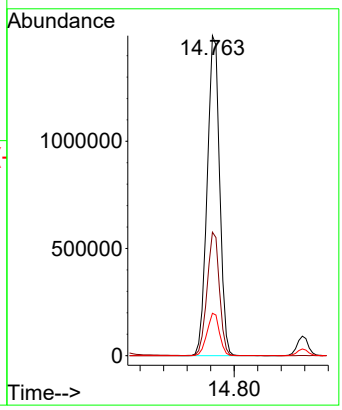


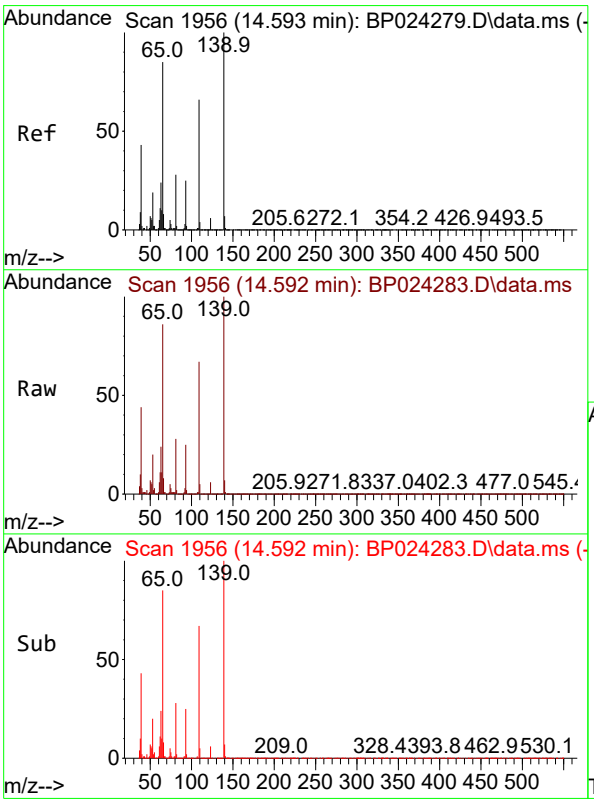
#55
Dibenzofuran
Concen: 40.679 ng
RT: 14.763 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:168 Resp: 2187786

Ion	Ratio	Lower	Upper
168	100		
139	38.6	30.3	45.5
169	13.3	10.6	16.0

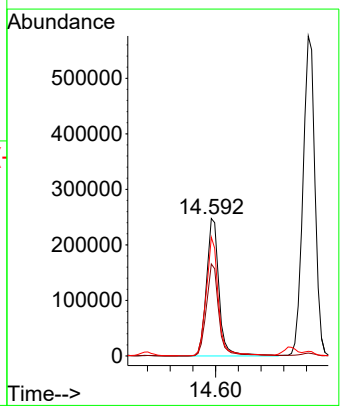


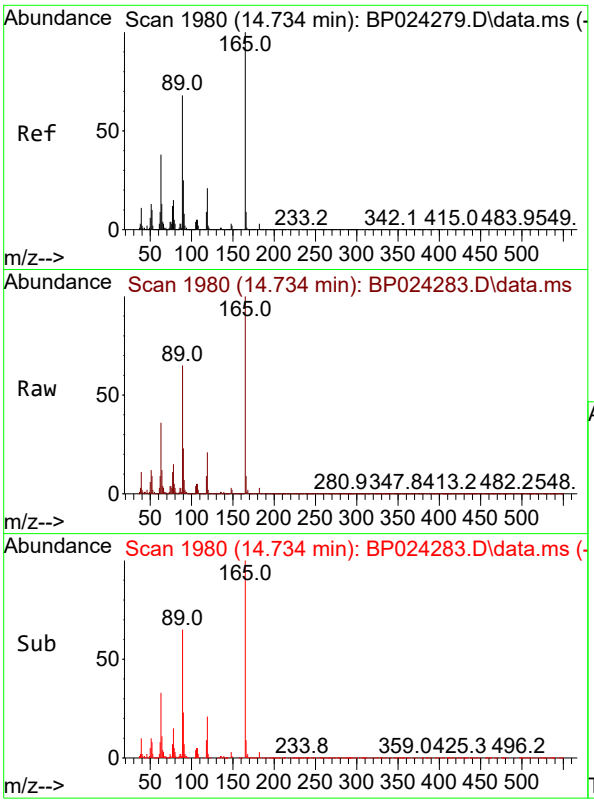


#56
4-Nitrophenol
Concen: 44.968 ng
RT: 14.592 min Scan# 1956
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:139 Resp: 378214

Ion	Ratio	Lower	Upper
139	100		
109	66.9	46.1	86.1
65	86.3	65.0	105.0



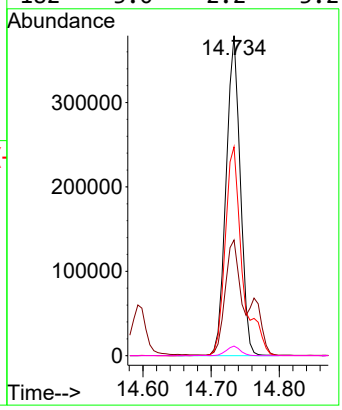


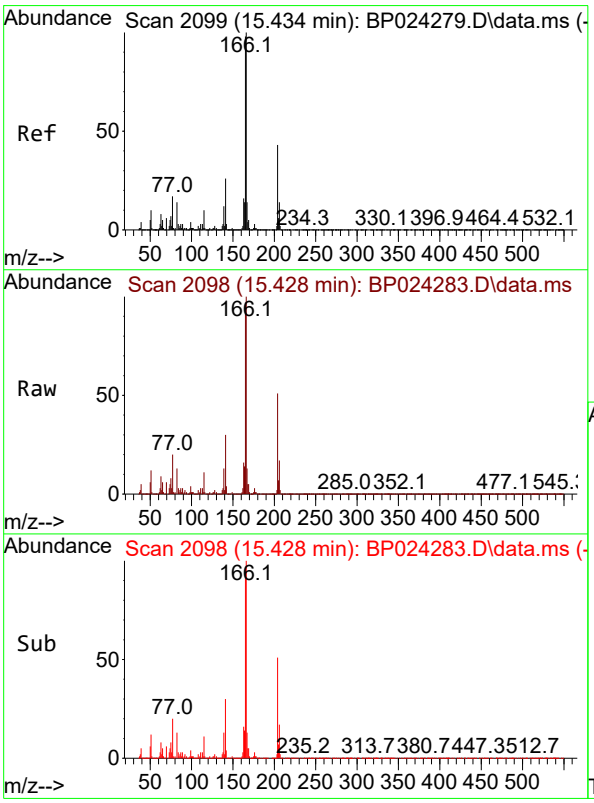
#57
2,4-Dinitrotoluene
Concen: 43.527 ng
RT: 14.734 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:165 Resp: 550175

Ion	Ratio	Lower	Upper
165	100		
63	36.1	30.4	45.6
89	65.2	54.6	82.0
182	3.0	2.2	3.2

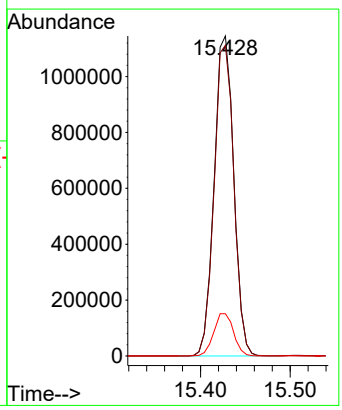


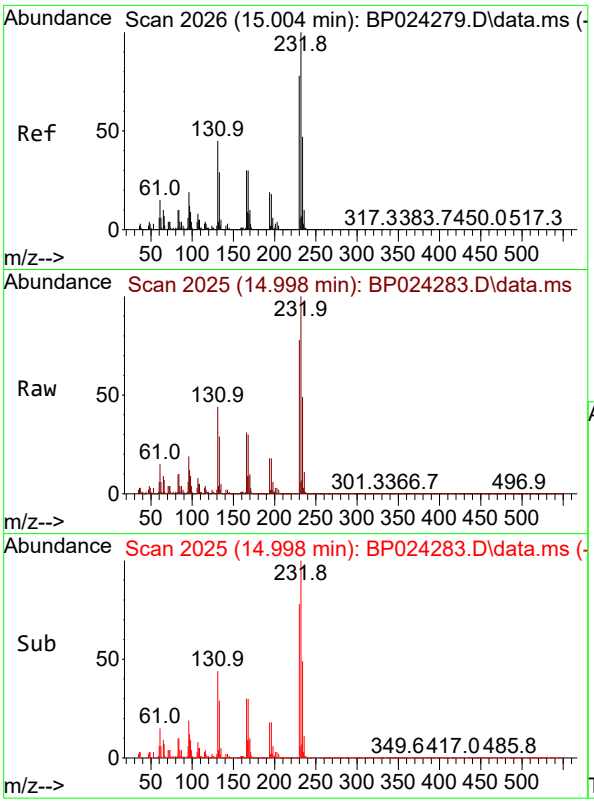


#58
Fluorene
Concen: 41.750 ng
RT: 15.428 min Scan# 2098
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:166 Resp: 1738215

Ion	Ratio	Lower	Upper
166	100		
165	97.0	78.1	117.1
167	13.2	10.9	16.3



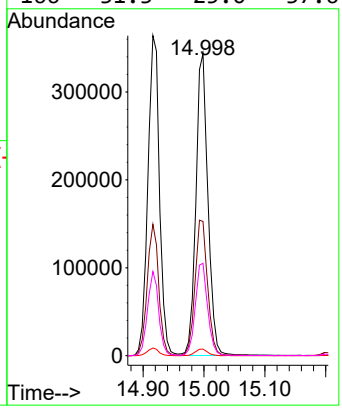


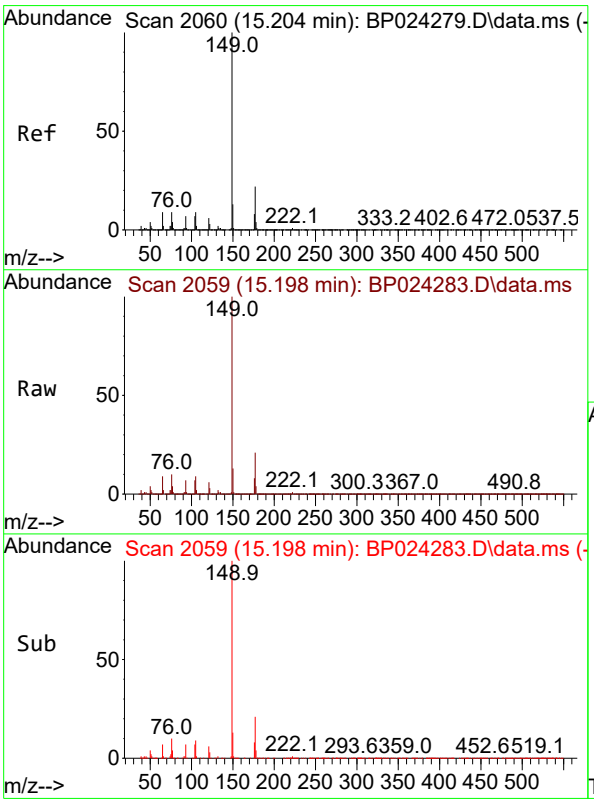
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.995 ng
RT: 14.998 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:232 Resp: 470547

Ion	Ratio	Lower	Upper
232	100		
131	46.8	36.8	55.2
130	2.3	1.9	2.9
166	31.3	25.0	37.6

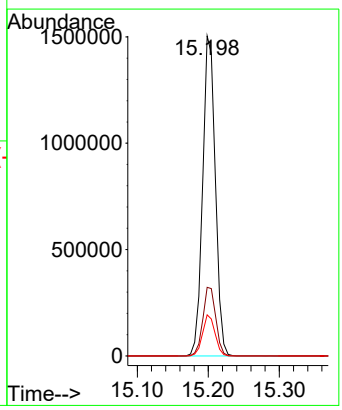


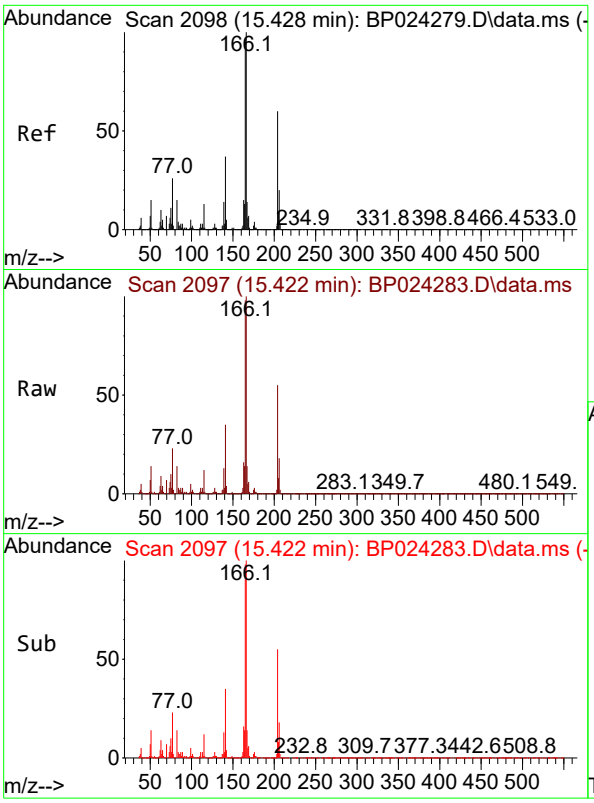


#60
Diethylphthalate
Concen: 41.570 ng
RT: 15.198 min Scan# 2059
Delta R.T. -0.023 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:149 Resp: 1869274

Ion	Ratio	Lower	Upper
149	100		
177	21.5	17.4	26.2
150	12.8	10.1	15.1



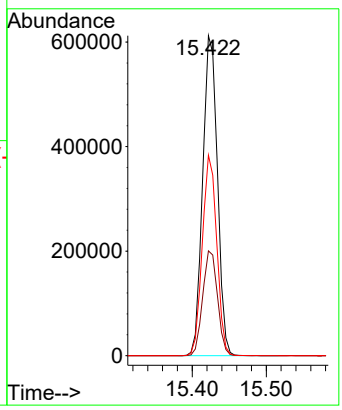


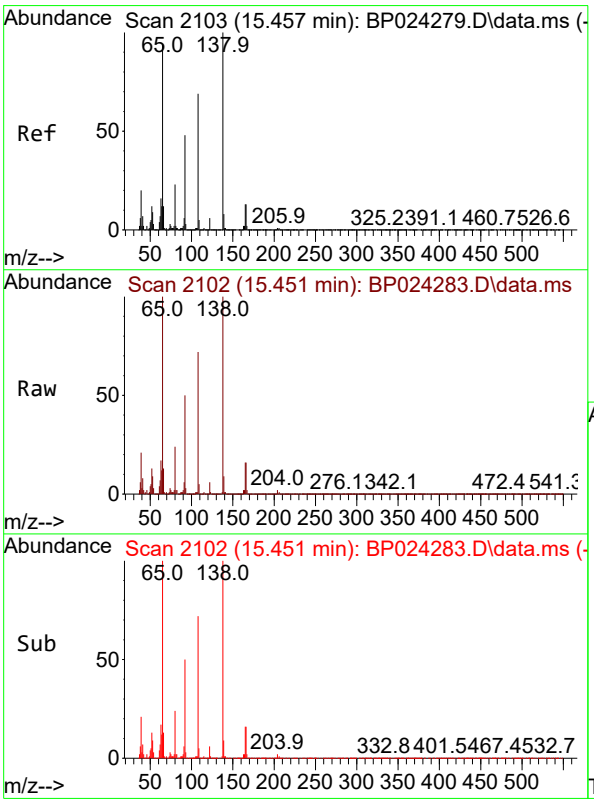
#61
4-Chlorophenyl-phenylether
Concen: 41.777 ng
RT: 15.422 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:204 Resp: 844629

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.5	39.7
141	62.6	49.4	74.0

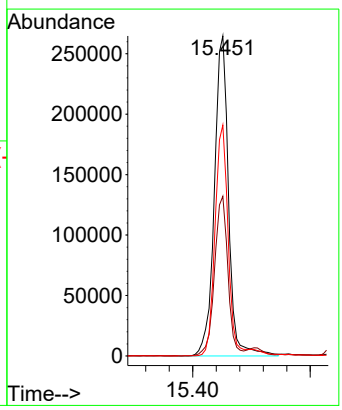


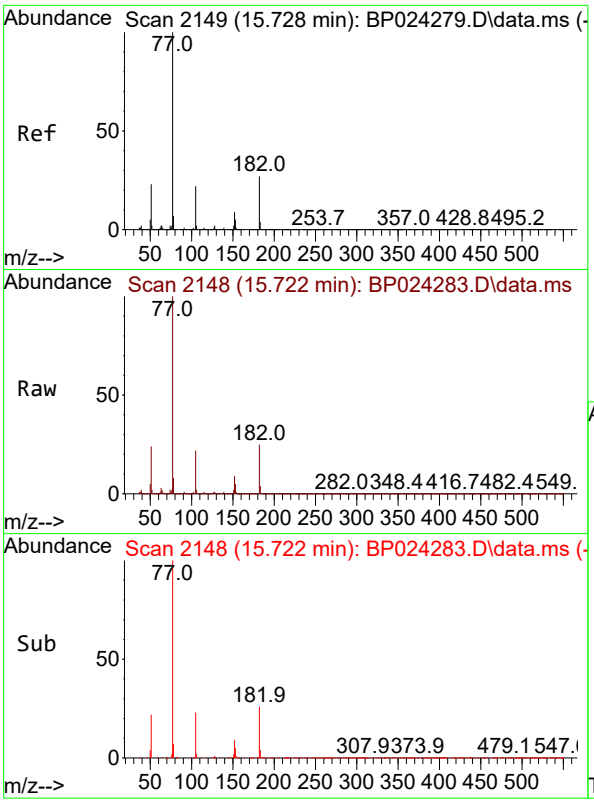


#62
4-Nitroaniline
Concen: 43.114 ng
RT: 15.451 min Scan# 2102
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:138 Resp: 444482

Ion	Ratio	Lower	Upper
138	100		
92	49.9	27.8	67.8
108	72.1	48.9	88.9



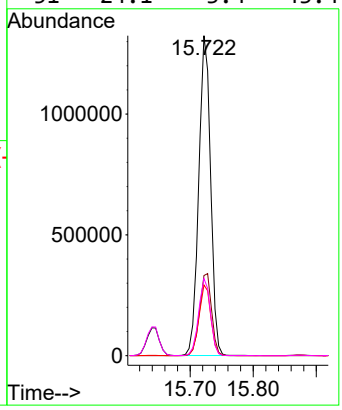


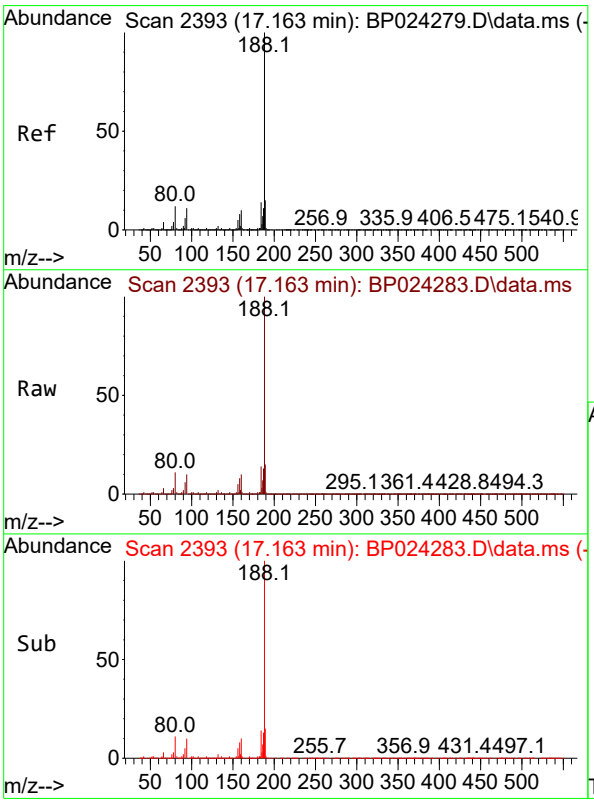
#63
Azobenzene
Concen: 41.686 ng
RT: 15.722 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion: 77 Resp: 1722900

Ion	Ratio	Lower	Upper
77	100		
182	25.1	7.3	47.3
105	22.1	2.3	42.3
51	24.1	3.4	43.4

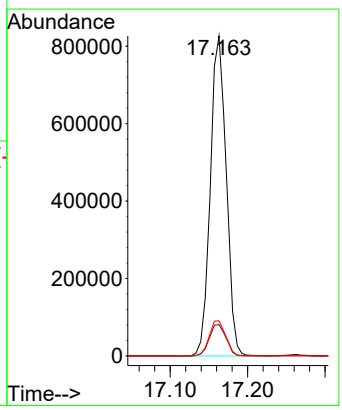


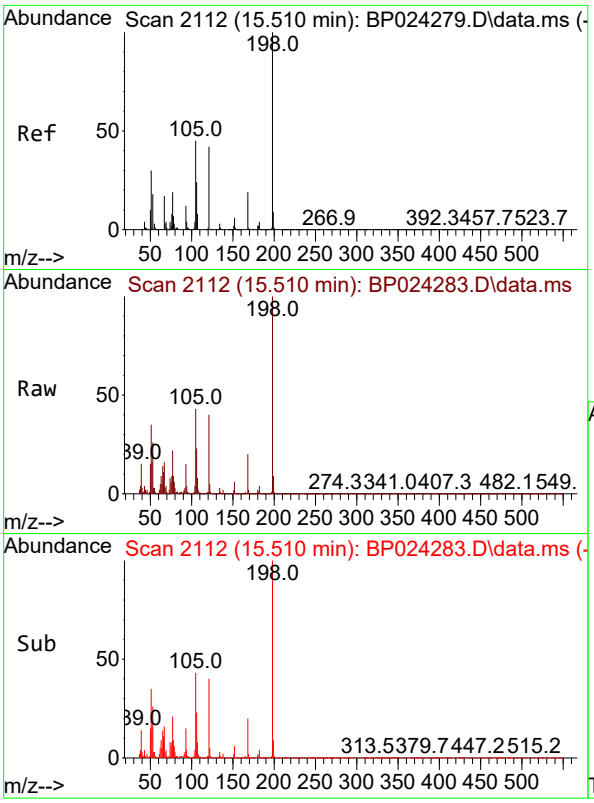


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2393
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:188 Resp: 1178916

Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.6	13.0
80	11.0	9.8	14.6



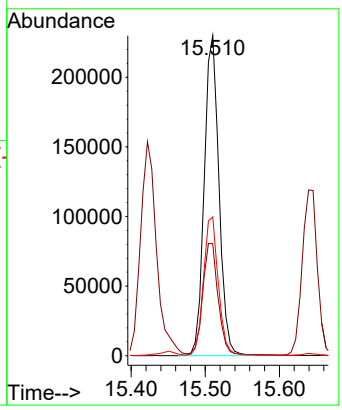


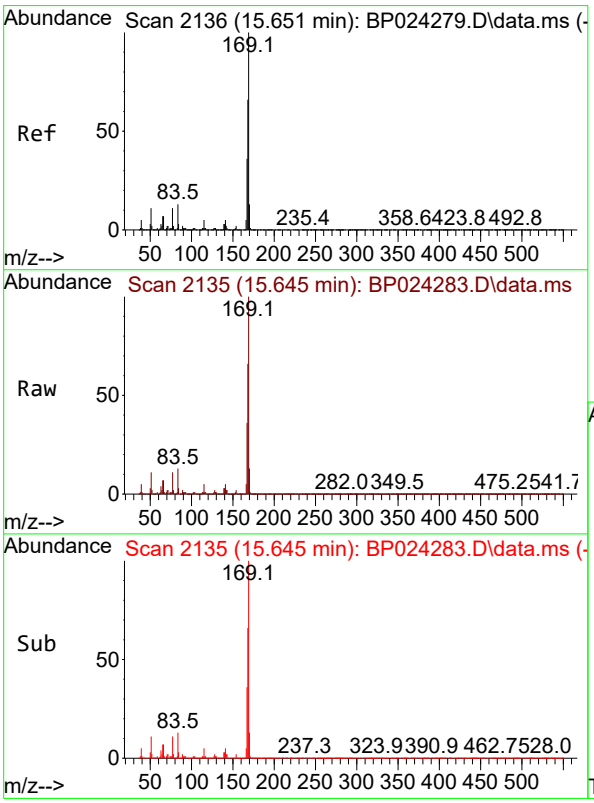
#65
4,6-Dinitro-2-methylphenol
Concen: 42.724 ng
RT: 15.510 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:198 Resp: 317548

Ion	Ratio	Lower	Upper
198	100		
51	35.0	18.4	58.4
105	43.4	26.5	66.5

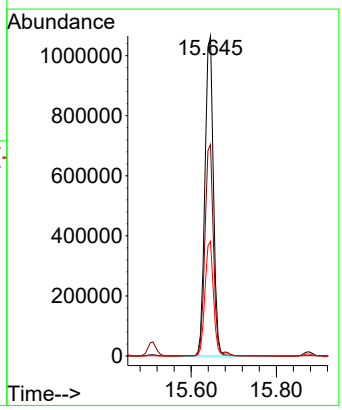


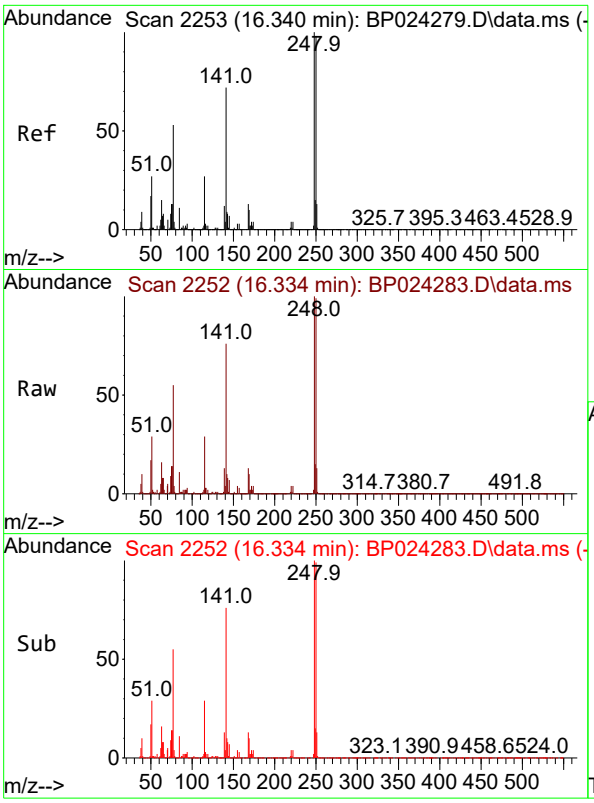


#66
n-Nitrosodiphenylamine
Concen: 41.500 ng
RT: 15.645 min Scan# 2135
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:169 Resp: 1460282

Ion	Ratio	Lower	Upper
169	100		
168	66.1	53.0	79.4
167	35.8	28.9	43.3



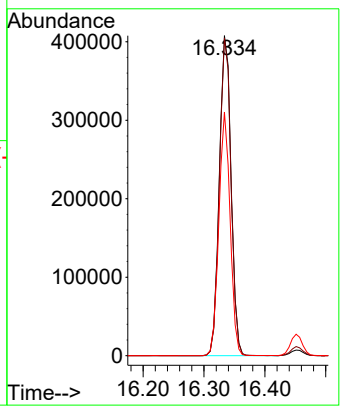


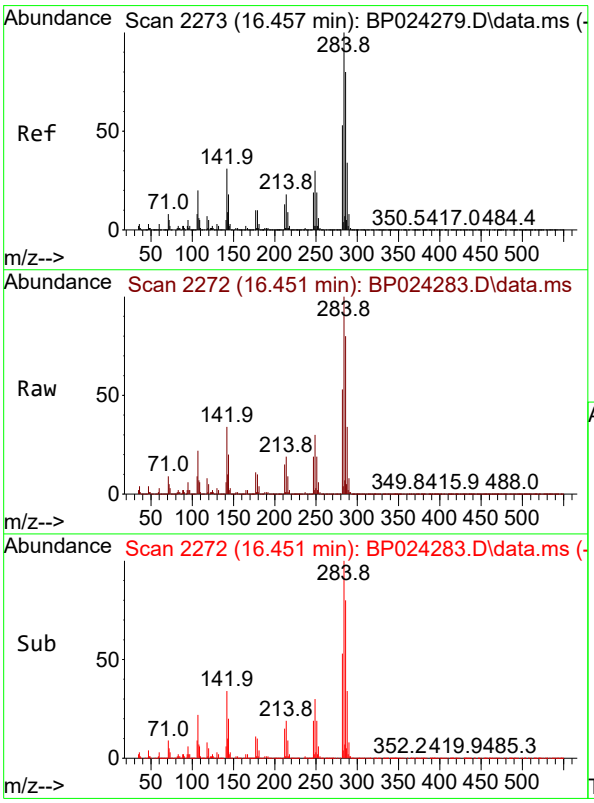
#67
4-Bromophenyl-phenylether
Concen: 42.314 ng
RT: 16.334 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:248 Resp: 545579

Ion	Ratio	Lower	Upper
248	100		
250	99.3	78.2	117.4
141	76.1	57.7	86.5

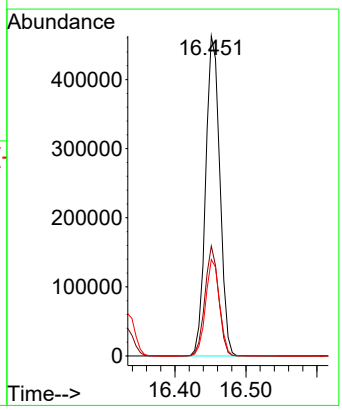


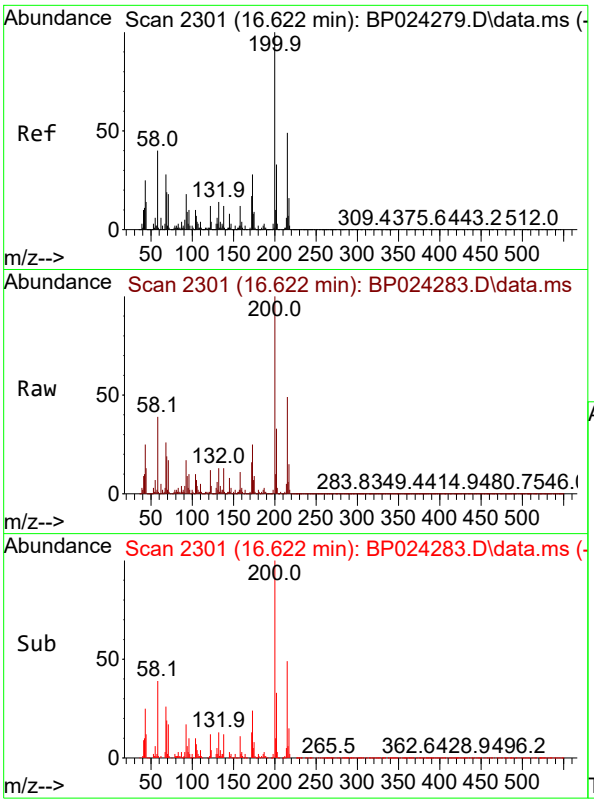


#68
Hexachlorobenzene
Concen: 41.909 ng
RT: 16.451 min Scan# 2272
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:284 Resp: 642095

Ion	Ratio	Lower	Upper
284	100		
142	34.3	24.6	37.0
249	30.1	23.8	35.6



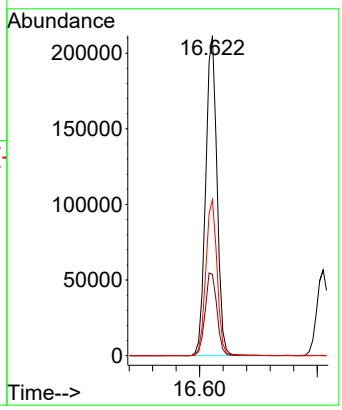


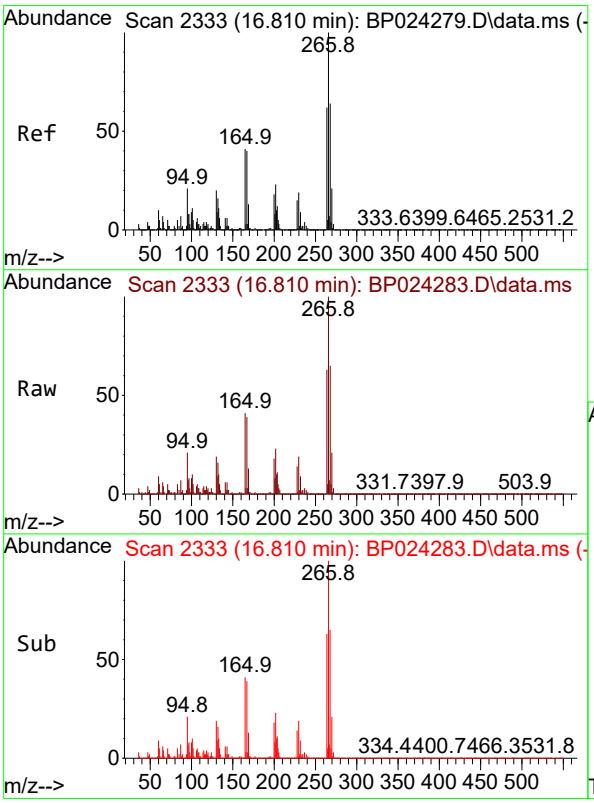
#69
Atrazine
Concen: 31.567 ng
RT: 16.622 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:200 Resp: 282908

Ion	Ratio	Lower	Upper
200	100		
173	25.4	7.5	47.5
215	48.7	28.8	68.8

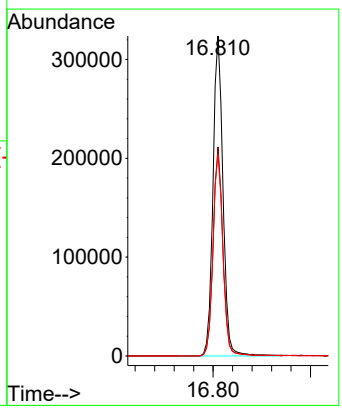


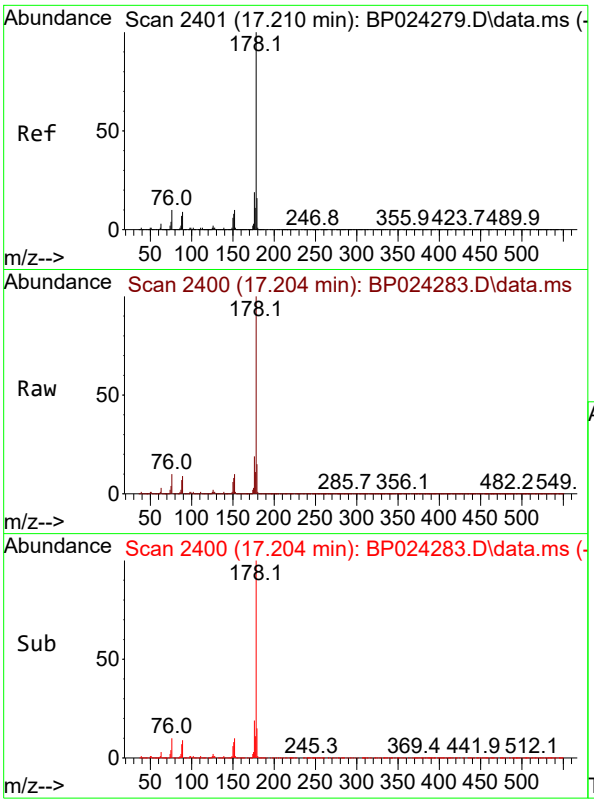


#70
Pentachlorophenol
Concen: 42.900 ng
RT: 16.810 min Scan# 2333
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:266 Resp: 458529

Ion	Ratio	Lower	Upper
266	100		
268	65.3	51.0	76.6
264	63.0	49.8	74.6



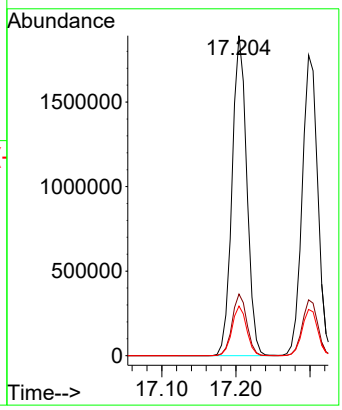


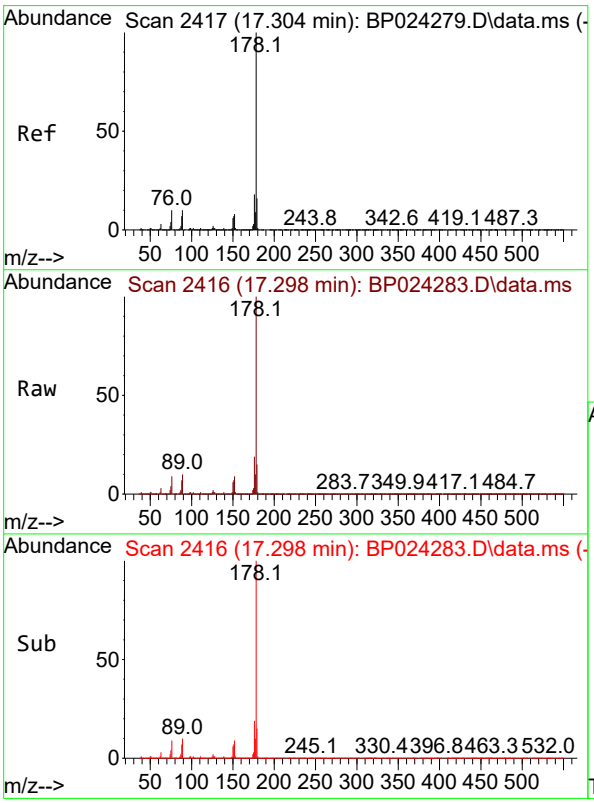
#71
Phenanthrene
Concen: 40.615 ng
RT: 17.204 min Scan# 24
Delta R.T. -0.023 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:178 Resp: 2612052

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.5	12.5	18.7

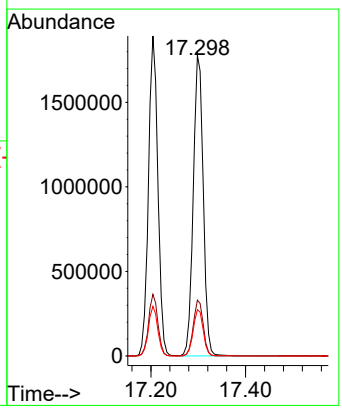


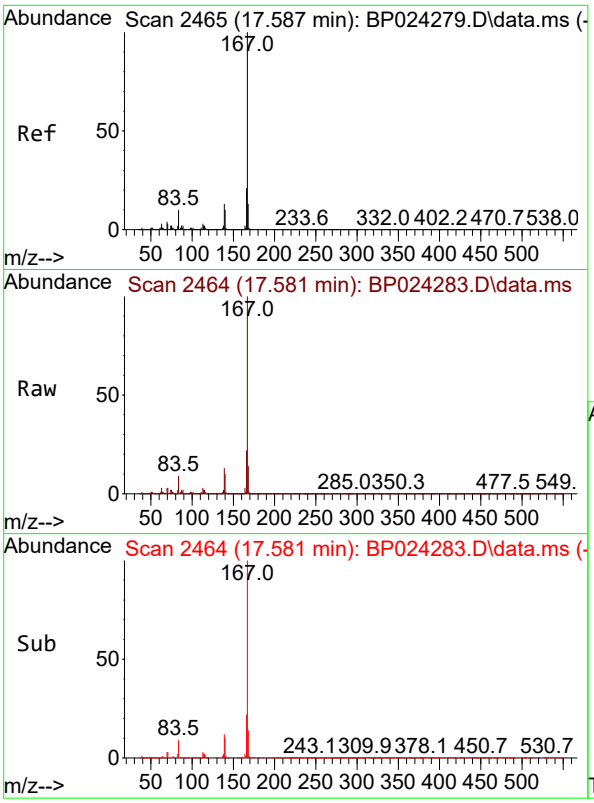


#72
Anthracene
Concen: 42.051 ng
RT: 17.298 min Scan# 2416
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:178 Resp: 2606508

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	15.4	12.4	18.6



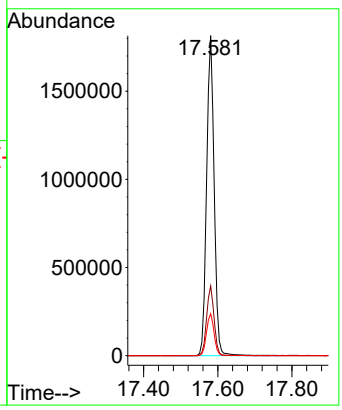


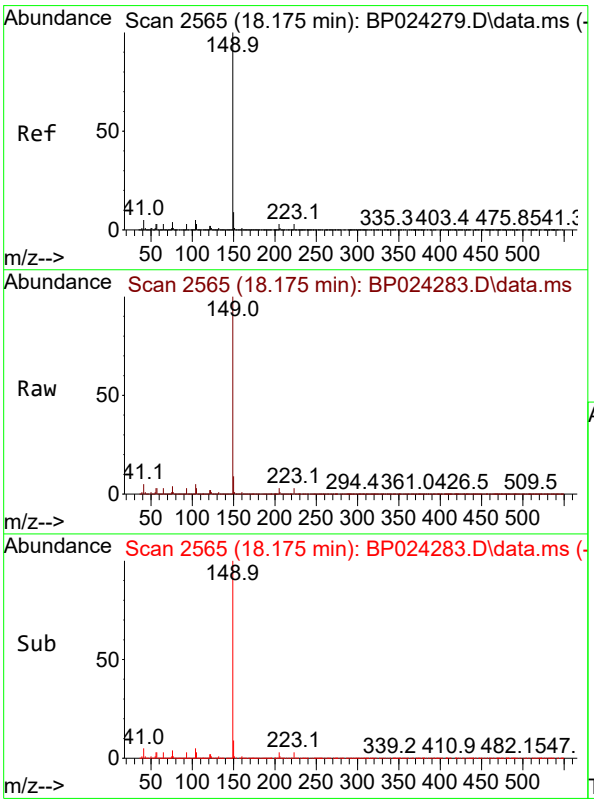
#73
Carbazole
Concen: 42.351 ng
RT: 17.581 min Scan# 24
Delta R.T. -0.023 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:167 Resp: 2564955

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.1	25.7
139	13.1	10.6	16.0

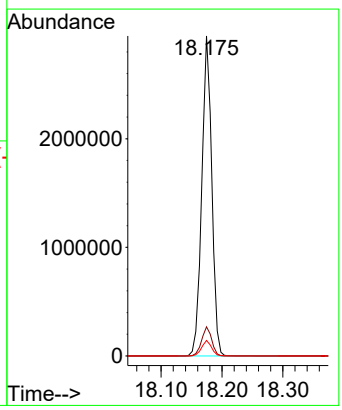


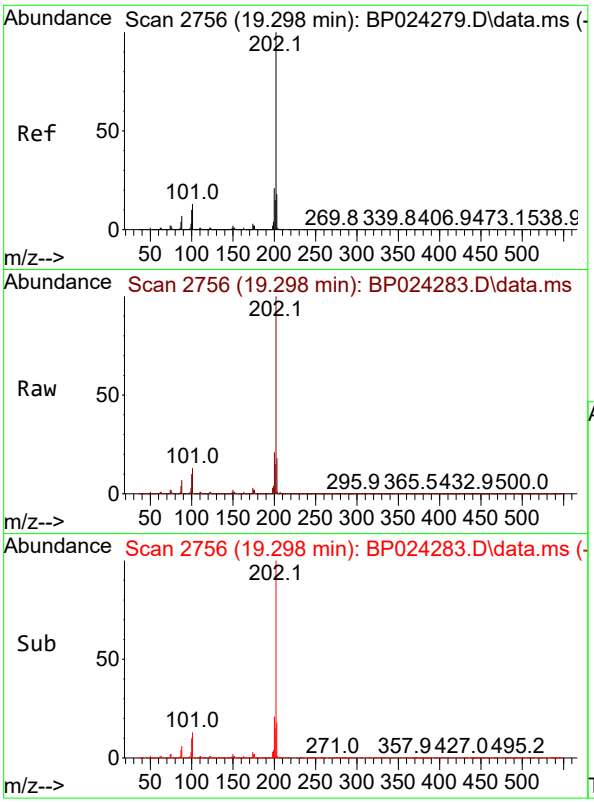


#74
Di-n-butylphthalate
Concen: 44.539 ng
RT: 18.175 min Scan# 2565
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:149 Resp: 3360635

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.2
104	4.9	3.9	5.9



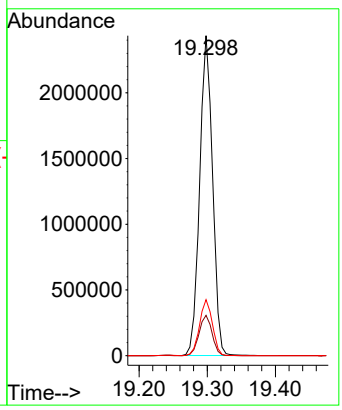


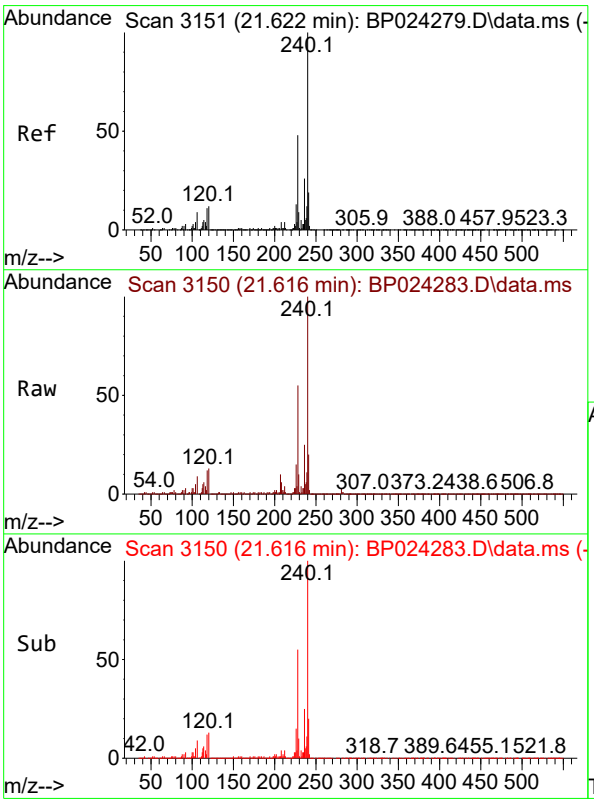
#75
Fluoranthene
Concen: 41.771 ng
RT: 19.298 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:202 Resp: 3195045

Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	33.2
203	17.5	0.0	37.7

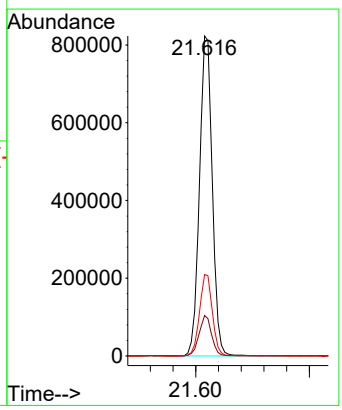


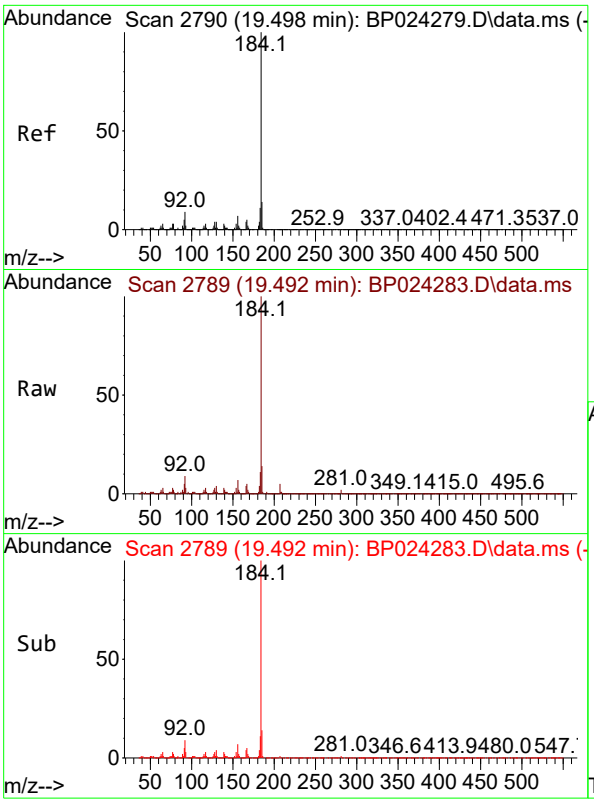


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.616 min Scan# 3150
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:240 Resp: 1288125

Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.8	14.8
236	25.5	20.9	31.3



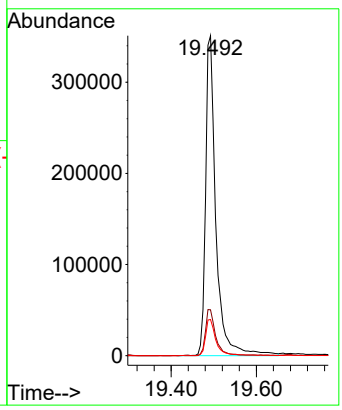


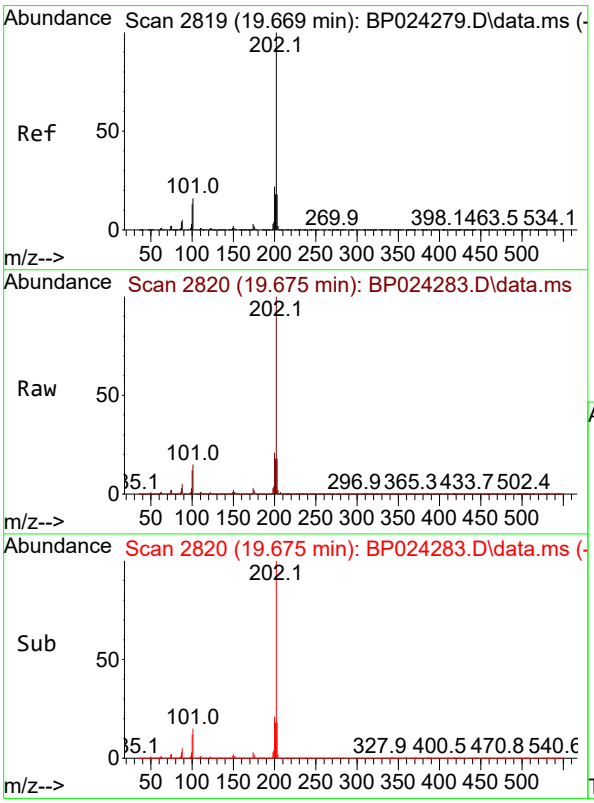
#77
Benzidine
Concen: 36.041 ng
RT: 19.492 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:184 Resp: 588487

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.6	17.4
183	11.3	9.2	13.8

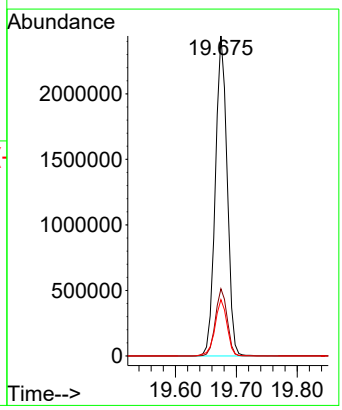


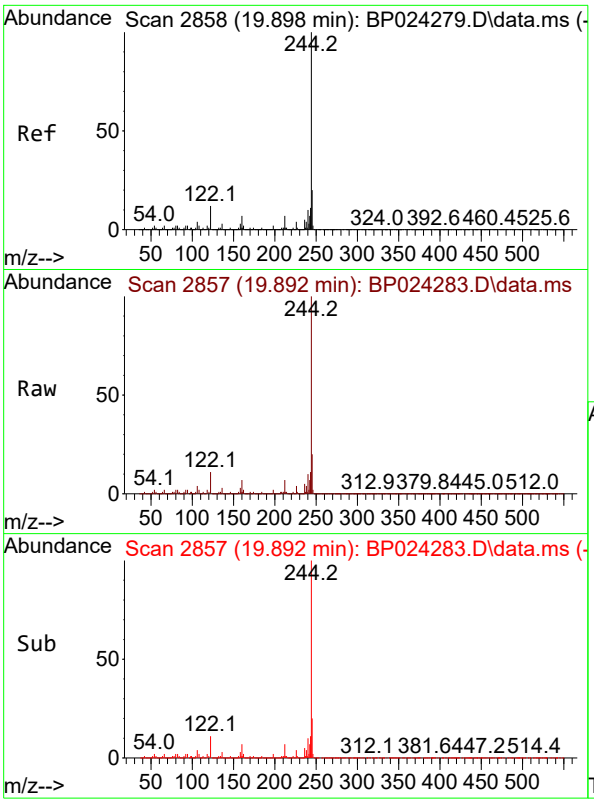


#78
Pyrene
Concen: 40.022 ng
RT: 19.675 min Scan# 2820
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:202 Resp: 3276290

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.2	25.8
203	17.6	14.4	21.6



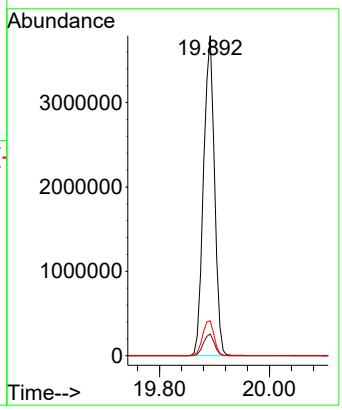


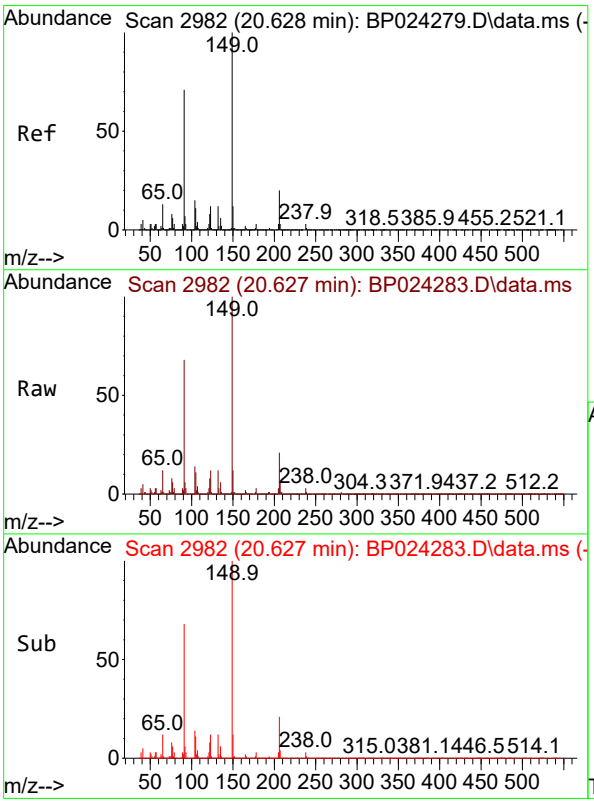
#79
Terphenyl-d14
Concen: 81.649 ng
RT: 19.892 min Scan# 2
Delta R.T. -0.029 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:244 Resp: 5217888

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	10.9	9.4	14.0

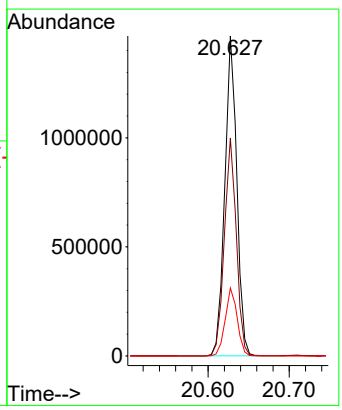


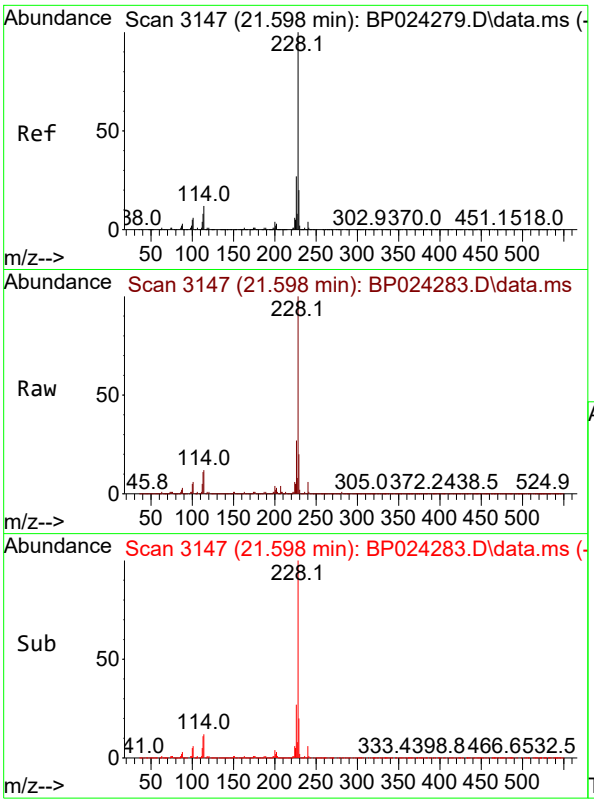


#80
Butylbenzylphthalate
Concen: 43.107 ng
RT: 20.627 min Scan# 2982
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:149 Resp: 1511473

Ion	Ratio	Lower	Upper
149	100		
91	68.1	56.4	84.6
206	21.2	16.3	24.5



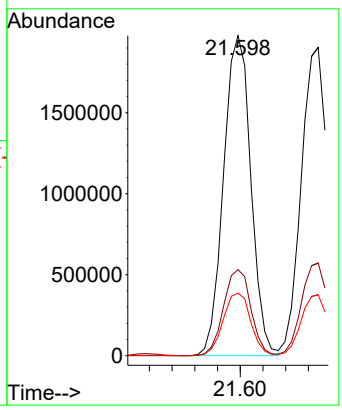


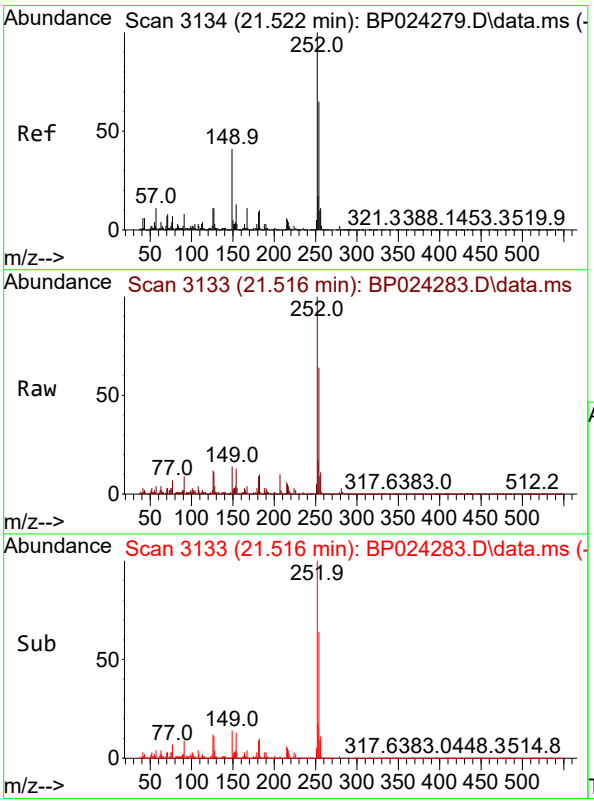
#81
Benzo(a)anthracene
Concen: 41.207 ng
RT: 21.598 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:228 Resp: 3299250

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.8	32.8
229	19.6	15.9	23.9

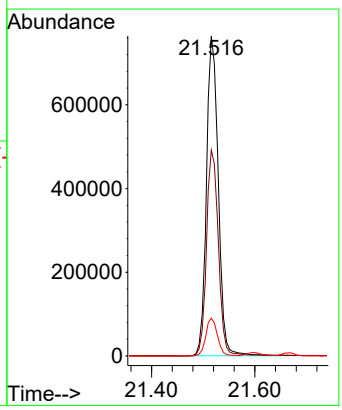


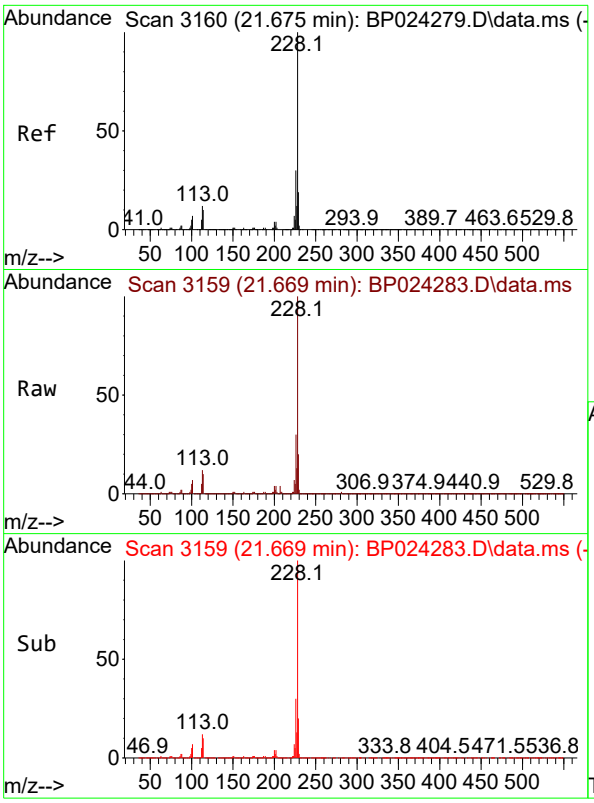


#82
3,3'-Dichlorobenzidine
Concen: 43.139 ng
RT: 21.516 min Scan# 3133
Delta R.T. -0.023 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:252 Resp: 1212290

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.7	77.5
126	11.8	8.8	13.2



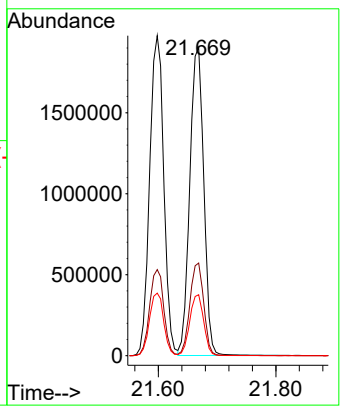


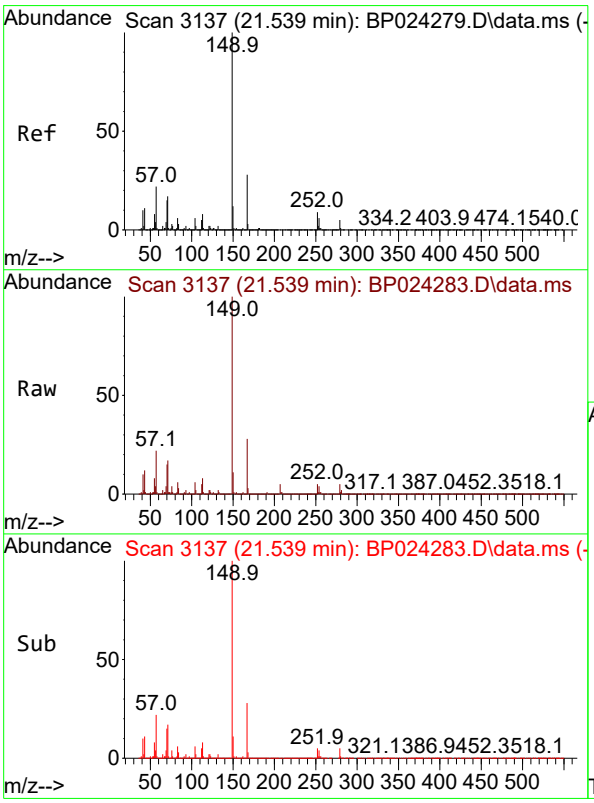
#83
Chrysene
Concen: 40.888 ng
RT: 21.669 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:228 Resp: 3136332

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.2	36.2
229	19.8	15.6	23.4

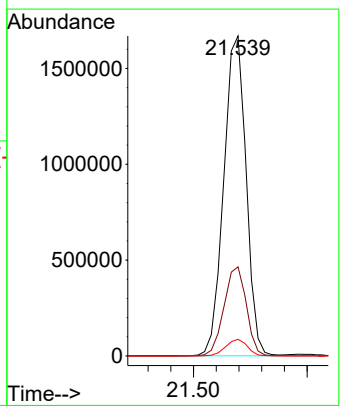


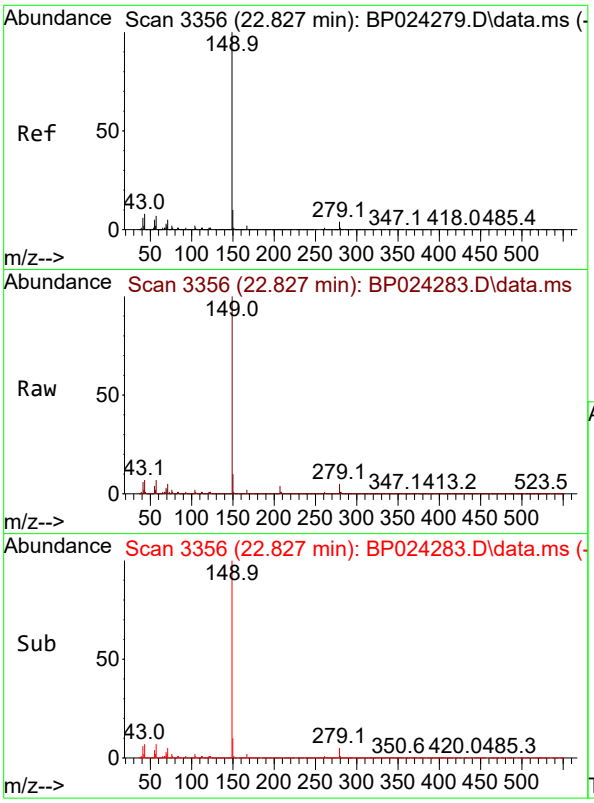


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.400 ng
RT: 21.539 min Scan# 3137
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:149 Resp: 2282222

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.4	33.6
279	5.2	4.0	6.0



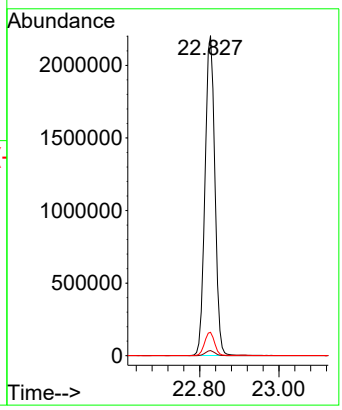


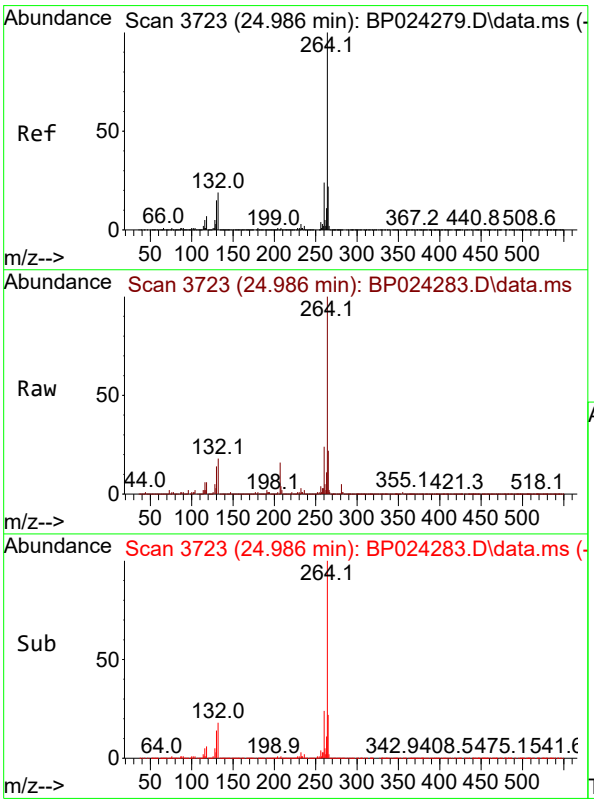
#85
Di-n-octyl phthalate
Concen: 45.513 ng
RT: 22.827 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:149 Resp: 3803266

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.4	6.0	9.0

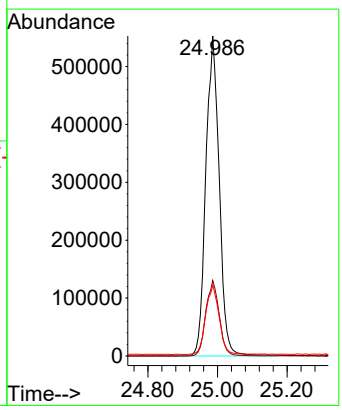


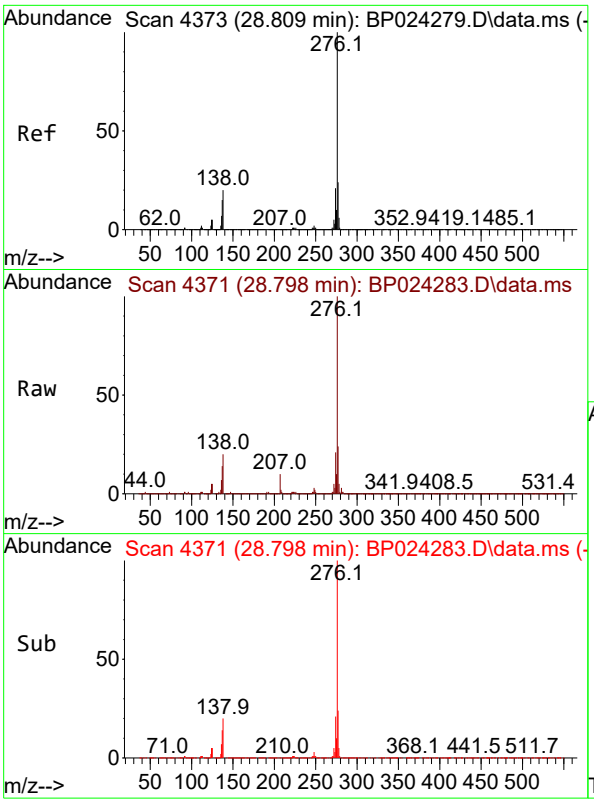


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.986 min Scan# 3723
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:264 Resp: 1476872

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	22.1	17.8	26.6



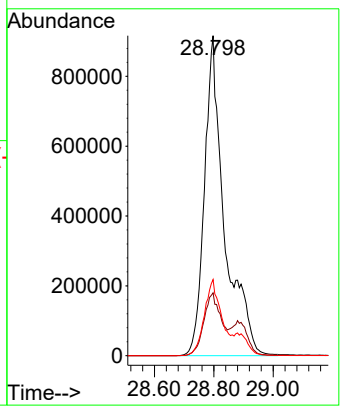


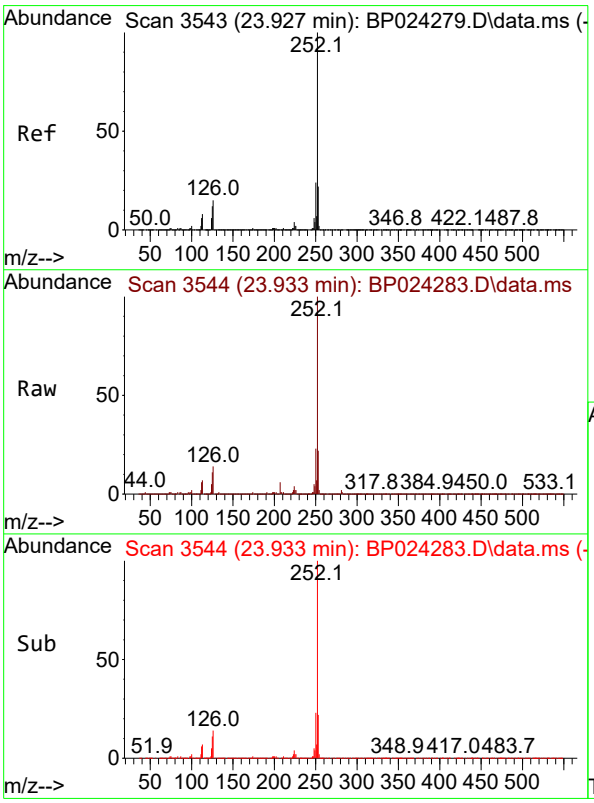
#87
Indeno(1,2,3-cd)pyrene
Concen: 42.071 ng m
RT: 28.798 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:276 Resp: 4313548

Ion	Ratio	Lower	Upper
276	100		
138	16.8	14.5	21.7
277	20.9	20.2	30.2

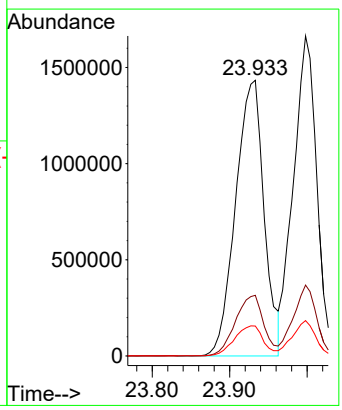


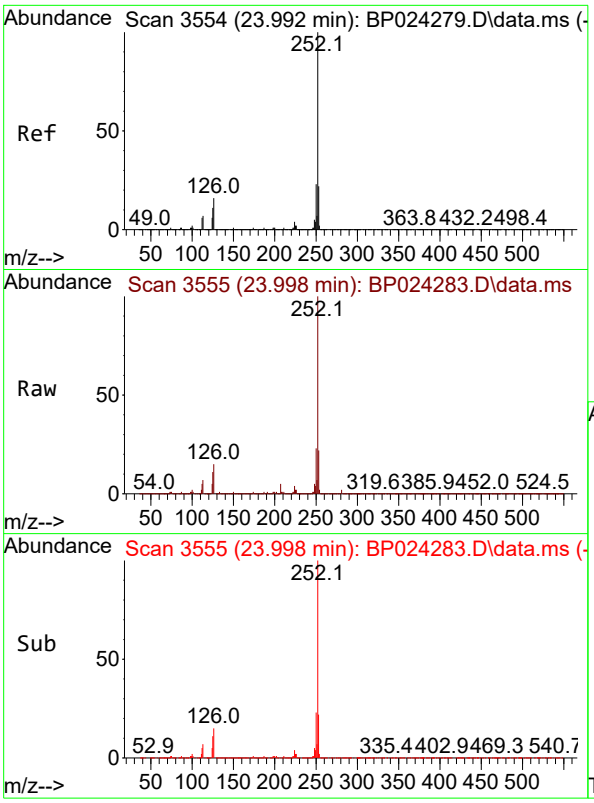


#88
Benzo(b)fluoranthene
Concen: 41.288 ng
RT: 23.933 min Scan# 3544
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:252 Resp: 3654984

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	10.8	9.4	14.0



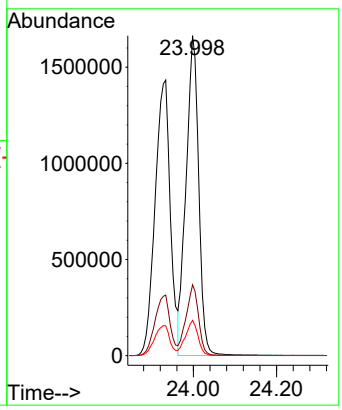


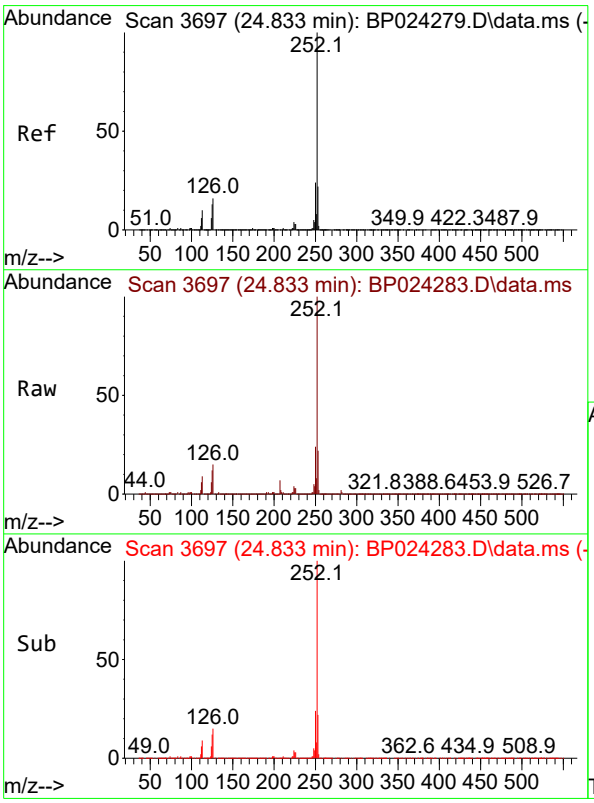
#89
Benzo(k)fluoranthene
Concen: 41.081 ng
RT: 23.998 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:252 Resp: 3512834

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.1	9.1	13.7

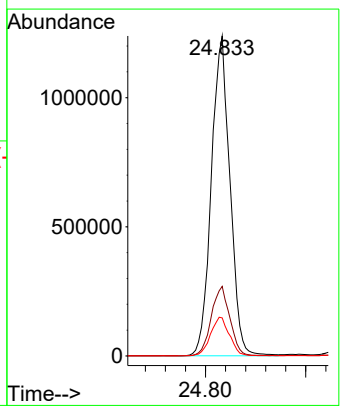


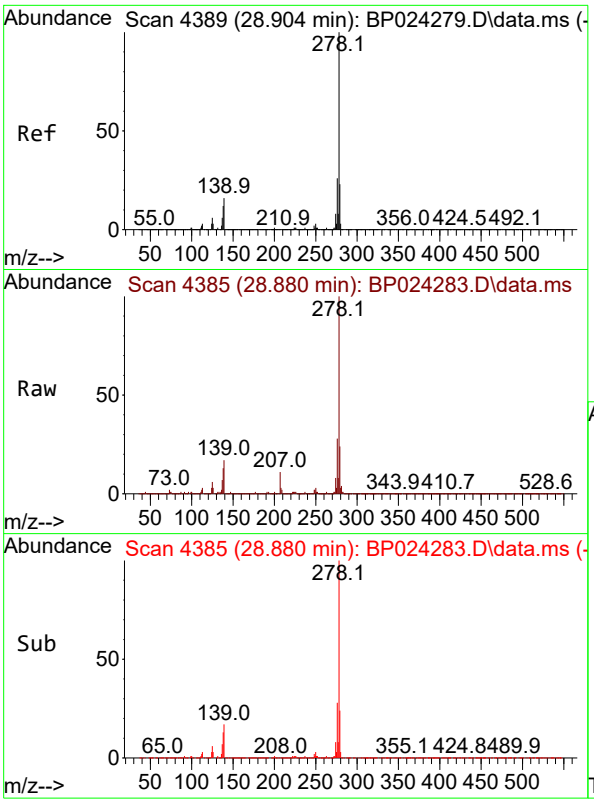


#90
Benzo(a)pyrene
Concen: 41.855 ng
RT: 24.833 min Scan# 3697
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:252 Resp: 3196130

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	11.9	10.1	15.1



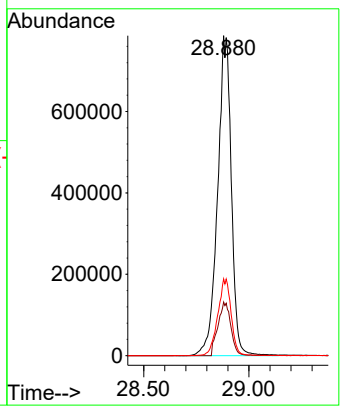


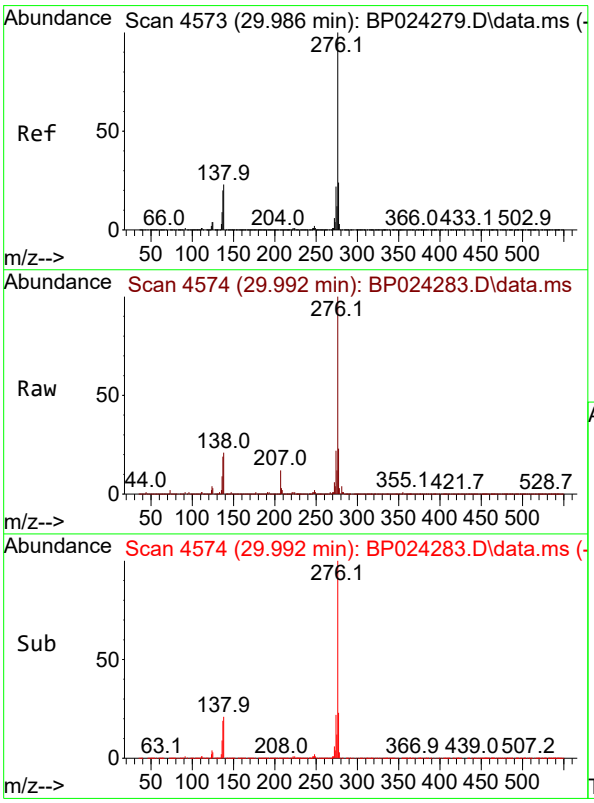
#91
Dibenzo(a,h)anthracene
Concen: 41.902 ng
RT: 28.880 min Scan# 4
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:278 Resp: 3566000

Ion	Ratio	Lower	Upper
278	100		
139	16.8	12.6	19.0
279	24.0	18.5	27.7

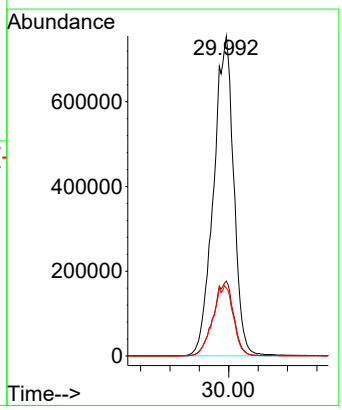




#92
Benzo(g,h,i)perylene
Concen: 41.455 ng
RT: 29.992 min Scan# 4574
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:276 Resp: 3590938

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.9	28.3
138	21.2	18.7	28.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	94	0.00
2		1,4-Dioxane	0.512	0.517	-1.0	95	0.00
3		Pyridine	1.351	1.349	0.1	91	0.00
4		n-Nitrosodimethylamine	0.448	0.451	-0.7	93	0.00
5	S	2-Fluorophenol	1.210	1.229	-1.6	92	0.00
6		Aniline	1.480	1.531	-3.4	91	0.00
7	S	Phenol-d6	1.656	1.678	-1.3	91	0.00
8		2-Chlorophenol	1.350	1.362	-0.9	92	0.00
9		Benzaldehyde	0.819	0.861	-5.1	97	0.00
10	C	Phenol	1.661	1.674	-0.8	90	0.00
11		bis(2-Chloroethyl)ether	1.339	1.335	0.3	90	0.00
12		1,3-Dichlorobenzene	1.454	1.465	-0.8	93	0.00
13	C	1,4-Dichlorobenzene	1.475	1.494	-1.3	94	0.00
14		1,2-Dichlorobenzene	1.424	1.421	0.2	93	0.00
15		Benzyl Alcohol	1.071	1.115	-4.1	91	0.00
16		2,2'-oxybis(1-Chloropropane	1.447	1.453	-0.4	90	0.00
17		2-Methylphenol	1.075	1.103	-2.6	91	0.00
18		Hexachloroethane	0.533	0.540	-1.3	94	0.00
19	P	n-Nitroso-di-n-propylamine	1.025	1.037	-1.2	90	0.00
20		3+4-Methylphenols	1.491	1.522	-2.1	90	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	91	0.00
22		Acetophenone	0.495	0.515	-4.0	91	0.00
23	S	Nitrobenzene-d5	0.351	0.366	-4.3	91	0.00
24		Nitrobenzene	0.347	0.360	-3.7	90	0.00
25		Isophorone	0.635	0.661	-4.1	90	0.00
26	C	2-Nitrophenol	0.170	0.184	-8.2	92	0.00
27		2,4-Dimethylphenol	0.213	0.222	-4.2	90	0.00
28		bis(2-Chloroethoxy)methane	0.429	0.444	-3.5	90	0.00
29	C	2,4-Dichlorophenol	0.291	0.309	-6.2	91	0.00
30		1,2,4-Trichlorobenzene	0.311	0.324	-4.2	92	0.00
31		Naphthalene	1.054	1.090	-3.4	92	0.00
32		Benzoic acid	0.248	0.254	-2.4	96	-0.04
33		4-Chloroaniline	0.371	0.398	-7.3	92	0.00
34	C	Hexachlorobutadiene	0.183	0.192	-4.9	93	0.00
35		Caprolactam	0.107	0.113	-5.6	92	-0.02
36	C	4-Chloro-3-methylphenol	0.339	0.353	-4.1	90	0.00
37		2-Methylnaphthalene	0.731	0.756	-3.4	92	0.00
38		1-Methylnaphthalene	0.715	0.736	-2.9	92	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	91	0.00
40		1,2,4,5-Tetrachlorobenzene	0.550	0.581	-5.6	92	0.00
41	P	Hexachlorocyclopentadiene	0.195	0.212	-8.7	89	-0.01
42	S	2,4,6-Tribromophenol	0.277	0.296	-6.9	93	-0.02
43	C	2,4,6-Trichlorophenol	0.366	0.396	-8.2	93	0.00
44		2,4,5-Trichlorophenol	0.405	0.434	-7.2	93	0.00
45	S	2-Fluorobiphenyl	1.306	1.383	-5.9	92	0.00
46		1,1'-Biphenyl	1.470	1.529	-4.0	91	-0.01
47		2-Chloronaphthalene	1.099	1.148	-4.5	92	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.308	0.327	-6.2	90	-0.01
49		Acenaphthylene	1.730	1.807	-4.5	91	0.00
50		Dimethylphthalate	1.454	1.508	-3.7	92	-0.02
51		2,6-Dinitrotoluene	0.309	0.332	-7.4	93	0.00
52	C	Acenaphthene	1.097	1.120	-2.1	91	-0.01
53		3-Nitroaniline	0.325	0.357	-9.8	92	0.00
54	P	2,4-Dinitrophenol	0.182	0.193	-6.0	95	-0.01
55		Dibenzofuran	1.793	1.823	-1.7	91	-0.02
56	P	4-Nitrophenol	0.280	0.315	-12.5	94	-0.01
57		2,4-Dinitrotoluene	0.421	0.458	-8.8	93	-0.01
58		Fluorene	1.388	1.448	-4.3	95	-0.01
59		2,3,4,6-Tetrachlorophenol	0.373	0.392	-5.1	92	0.00
60		Diethylphthalate	1.499	1.558	-3.9	92	-0.02
61		4-Chlorophenyl-phenylether	0.674	0.704	-4.5	94	-0.02
62		4-Nitroaniline	0.344	0.370	-7.6	92	-0.02
63		Azobenzene	1.378	1.436	-4.2	92	-0.02
64	I	Phenanthrene-d10	1.000	1.000	0.0	92	-0.02
65		4,6-Dinitro-2-methylphenol	0.126	0.135	-7.1	95	-0.02
66	c	n-Nitrosodiphenylamine	0.597	0.619	-3.7	91	-0.01
67		4-Bromophenyl-phenylether	0.219	0.231	-5.5	93	-0.01
68		Hexachlorobenzene	0.260	0.272	-4.6	93	-0.02
69		Atrazine	0.152	0.120	21.1	92	0.00
70	C	Pentachlorophenol	0.181	0.194	-7.2	92	-0.02
71		Phenanthrene	1.091	1.108	-1.6	91	-0.02
72		Anthracene	1.052	1.105	-5.0	92	-0.02
73		Carbazole	1.027	1.088	-5.9	93	-0.02
74		Di-n-butylphthalate	1.280	1.425	-11.3	94	-0.02
75	C	Fluoranthene	1.298	1.355	-4.4	93	-0.02
76	I	Chrysene-d12	1.000	1.000	0.0	95	0.00
77		Benzidine	0.254	0.228	10.2	50#	-0.02
78		Pyrene	1.271	1.272	-0.1	93	-0.01
79	S	Terphenyl-d14	0.992	1.013	-2.1	94	-0.03
80		Butylbenzylphthalate	0.544	0.587	-7.9	94	-0.02
81		Benzo(a)anthracene	1.243	1.281	-3.1	95	0.00
82		3,3'-Dichlorobenzidine	0.436	0.471	-8.0	92	-0.02
83		Chrysene	1.191	1.217	-2.2	96	-0.01
84		Bis(2-ethylhexyl)phthalate	0.798	0.886	-11.0	95	0.00
85	c	Di-n-octyl phthalate	1.297	1.476	-13.8	96	0.00
86	I	Perylene-d12	1.000	1.000	0.0	99	0.00
87		Indeno(1,2,3-cd)pyrene	1.388	1.460	-5.2	101	-0.02
88		Benzo(b)fluoranthene	1.199	1.237	-3.2	98	0.00
89		Benzo(k)fluoranthene	1.158	1.189	-2.7	98	0.00
90	C	Benzo(a)pyrene	1.034	1.082	-4.6	99	0.00
91		Dibenzo(a,h)anthracene	1.152	1.207	-4.8	100	0.00
92		Benzo(g,h,i)perylene	1.173	1.216	-3.7	99	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
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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	94	0.00
2		1,4-Dioxane	40.000	40.412	-1.0	95	0.00
3		Pyridine	40.000	39.955	0.1	91	0.00
4		n-Nitrosodimethylamine	40.000	40.205	-0.5	93	0.00
5	S	2-Fluorophenol	80.000	81.302	-1.6	92	0.00
6		Aniline	40.000	41.370	-3.4	91	0.00
7	S	Phenol-d6	80.000	81.063	-1.3	91	0.00
8		2-Chlorophenol	40.000	40.334	-0.8	92	0.00
9		Benzaldehyde	40.000	42.024	-5.1	97	0.00
10	C	Phenol	40.000	40.306	-0.8	90	0.00
11		bis(2-Chloroethyl)ether	40.000	39.902	0.2	90	0.00
12		1,3-Dichlorobenzene	40.000	40.298	-0.7	93	0.00
13	C	1,4-Dichlorobenzene	40.000	40.516	-1.3	94	0.00
14		1,2-Dichlorobenzene	40.000	39.898	0.3	93	0.00
15		Benzyl Alcohol	40.000	41.621	-4.1	91	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	40.173	-0.4	90	0.00
17		2-Methylphenol	40.000	41.046	-2.6	91	0.00
18		Hexachloroethane	40.000	40.522	-1.3	94	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	40.471	-1.2	90	0.00
20		3+4-Methylphenols	40.000	40.810	-2.0	90	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	91	0.00
22		Acetophenone	40.000	41.652	-4.1	91	0.00
23	S	Nitrobenzene-d5	80.000	83.531	-4.4	91	0.00
24		Nitrobenzene	40.000	41.537	-3.8	90	0.00
25		Isophorone	40.000	41.648	-4.1	90	0.00
26	C	2-Nitrophenol	40.000	43.376	-8.4	92	0.00
27		2,4-Dimethylphenol	40.000	41.689	-4.2	90	0.00
28		bis(2-Chloroethoxy)methane	40.000	41.402	-3.5	90	0.00
29	C	2,4-Dichlorophenol	40.000	42.461	-6.2	91	0.00
30		1,2,4-Trichlorobenzene	40.000	41.612	-4.0	92	0.00
31		Naphthalene	40.000	41.386	-3.5	92	0.00
32		Benzoic acid	40.000	40.959	-2.4	96	-0.04
33		4-Chloroaniline	40.000	42.937	-7.3	92	0.00
34	C	Hexachlorobutadiene	40.000	42.007	-5.0	93	0.00
35		Caprolactam	40.000	42.152	-5.4	92	-0.02
36	C	4-Chloro-3-methylphenol	40.000	41.737	-4.3	90	0.00
37		2-Methylnaphthalene	40.000	41.403	-3.5	92	0.00
38		1-Methylnaphthalene	40.000	41.210	-3.0	92	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	91	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	42.275	-5.7	92	0.00
41	P	Hexachlorocyclopentadiene	40.000	43.639	-9.1	89	-0.01
42	S	2,4,6-Tribromophenol	80.000	85.488	-6.9	93	-0.02
43	C	2,4,6-Trichlorophenol	40.000	43.329	-8.3	93	0.00
44		2,4,5-Trichlorophenol	40.000	42.828	-7.1	93	0.00
45	S	2-Fluorobiphenyl	80.000	84.715	-5.9	92	0.00
46		1,1'-Biphenyl	40.000	41.595	-4.0	91	-0.01
47		2-Chloronaphthalene	40.000	41.786	-4.5	92	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	42.475	-6.2	90	-0.01
49		Acenaphthylene	40.000	41.783	-4.5	91	0.00
50		Dimethylphthalate	40.000	41.478	-3.7	92	-0.02
51		2,6-Dinitrotoluene	40.000	42.990	-7.5	93	0.00
52	C	Acenaphthene	40.000	40.853	-2.1	91	-0.01
53		3-Nitroaniline	40.000	43.931	-9.8	92	0.00
54	P	2,4-Dinitrophenol	40.000	42.485	-6.2	95	-0.01
55		Dibenzofuran	40.000	40.679	-1.7	91	-0.02
56	P	4-Nitrophenol	40.000	44.968	-12.4	94	-0.01
57		2,4-Dinitrotoluene	40.000	43.527	-8.8	93	-0.01
58		Fluorene	40.000	41.750	-4.4	95	-0.01
59		2,3,4,6-Tetrachlorophenol	40.000	41.995	-5.0	92	0.00
60		Diethylphthalate	40.000	41.570	-3.9	92	-0.02
61		4-Chlorophenyl-phenylether	40.000	41.777	-4.4	94	-0.02
62		4-Nitroaniline	40.000	43.114	-7.8	92	-0.02
63		Azobenzene	40.000	41.686	-4.2	92	-0.02
64	I	Phenanthrene-d10	20.000	20.000	0.0	92	-0.02
65		4,6-Dinitro-2-methylphenol	40.000	42.724	-6.8	95	-0.02
66	c	n-Nitrosodiphenylamine	40.000	41.500	-3.8	91	-0.01
67		4-Bromophenyl-phenylether	40.000	42.314	-5.8	93	-0.01
68		Hexachlorobenzene	40.000	41.909	-4.8	93	-0.02
69		Atrazine	40.000	31.567	21.1	92	0.00
70	C	Pentachlorophenol	40.000	42.900	-7.2	92	-0.02
71		Phenanthrene	40.000	40.615	-1.5	91	-0.02
72		Anthracene	40.000	42.051	-5.1	92	-0.02
73		Carbazole	40.000	42.351	-5.9	93	-0.02
74		Di-n-butylphthalate	40.000	44.539	-11.3	94	-0.02
75	C	Fluoranthene	40.000	41.771	-4.4	93	-0.02
76	I	Chrysene-d12	20.000	20.000	0.0	95	0.00
77		Benzidine	40.000	36.041	9.9	50	-0.02
78		Pyrene	40.000	40.022	-0.1	93	-0.01
79	S	Terphenyl-d14	80.000	81.649	-2.1	94	-0.03
80		Butylbenzylphthalate	40.000	43.107	-7.8	94	-0.02
81		Benzo(a)anthracene	40.000	41.207	-3.0	95	0.00
82		3,3'-Dichlorobenzidine	40.000	43.139	-7.8	92	-0.02
83		Chrysene	40.000	40.888	-2.2	96	-0.01
84		Bis(2-ethylhexyl)phthalate	40.000	44.400	-11.0	95	0.00
85	c	Di-n-octyl phthalate	40.000	45.513	-13.8	96	0.00
86	I	Perylene-d12	20.000	20.000	0.0	99	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	42.071	-5.2	101	-0.02
88		Benzo(b)fluoranthene	40.000	41.288	-3.2	98	0.00
89		Benzo(k)fluoranthene	40.000	41.081	-2.7	98	0.00
90	C	Benzo(a)pyrene	40.000	41.855	-4.6	99	0.00
91		Dibenzo(a,h)anthracene	40.000	41.902	-4.8	100	0.00
92		Benzo(g,h,i)perylene	40.000	41.455	-3.6	99	0.00

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Instrument :
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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: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG No.: Q1883

Instrument ID: BNA_M Calibration Date/Time: 04/30/2025 10:53

Lab File ID: BM050042.D Init. Calib. Date(s): 04/28/2025 04/28/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:30 17:04

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.142	1.244		8.9	
Phenol-d6	1.436	1.560		8.6	
Nitrobenzene-d5	0.406	0.448		10.3	
Naphthalene	1.013	1.079		6.5	
2-Methylnaphthalene	0.679	0.716		5.4	
2-Fluorobiphenyl	1.691	1.888		11.6	
Acenaphthylene	1.857	1.967		5.9	
Acenaphthene	1.075	1.145		6.5	20.0
Fluorene	1.463	1.567		7.1	
2,4,6-Tribromophenol	0.296	0.313		5.7	
Phenanthrene	1.128	1.211		7.4	
Anthracene	1.142	1.231		7.8	
Fluoranthene	1.324	1.400		5.7	20.0
Pyrene	1.404	1.511		7.6	
Terphenyl-d14	1.352	1.573		16.3	
Benzo(a)anthracene	1.377	1.474		7.0	
Chrysene	1.275	1.358		6.5	
Benzo(b)fluoranthene	1.301	1.410		8.4	
Benzo(k)fluoranthene	1.316	1.419		7.8	
Benzo(a)pyrene	1.218	1.291		6.0	20.0
Indeno(1,2,3-cd)pyrene	1.490	1.594		7.0	
Dibenzo(a,h)anthracene	1.215	1.295		6.6	
Benzo(g,h,i)perylene	1.163	1.223		5.2	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050042.D
Acq On : 30 Apr 2025 10:53
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Quant Time: Apr 30 11:55:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.763	152	265682	20.000	ng		0.00
21) Naphthalene-d8	10.557	136	955212	20.000	ng		0.00
39) Acenaphthene-d10	14.410	164	612937	20.000	ng		0.00
64) Phenanthrene-d10	17.157	188	1168552	20.000	ng		0.00
76) Chrysene-d12	21.398	240	1113697	20.000	ng		0.00
86) Perylene-d12	24.397	264	1051342	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.357	112	1321607	87.105	ng		0.00
7) Phenol-d6	6.946	99	1658262	86.957	ng		0.00
23) Nitrobenzene-d5	8.928	82	1712149	88.324	ng		0.00
42) 2,4,6-Tribromophenol	15.904	330	767689	84.705	ng		0.00
45) 2-Fluorobiphenyl	13.027	172	4628613	89.333	ng		0.00
79) Terphenyl-d14	19.780	244	7005412	93.079	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.252	88	280442	43.108	ng		99
3) Pyridine	3.658	79	730788	43.721	ng		98
4) n-Nitrosodimethylamine	3.563	42	289816	44.209	ng		98
6) Aniline	7.093	93	1031898	42.852	ng		98
8) 2-Chlorophenol	7.334	128	689698	42.042	ng		98
9) Benzaldehyde	6.910	77	550768	43.158	ng		99
10) Phenol	6.975	94	830037	42.995	ng		99
11) bis(2-Chloroethyl)ether	7.187	93	696957	43.235	ng		99
12) 1,3-Dichlorobenzene	7.651	146	834717	42.122	ng		100
13) 1,4-Dichlorobenzene	7.798	146	843196	42.355	ng		98
14) 1,2-Dichlorobenzene	8.116	146	809174	42.078	ng		100
15) Benzyl Alcohol	8.010	79	571084	43.183	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.292	45	852852	43.523	ng		100
17) 2-Methylphenol	8.222	107	540978	42.537	ng		99
18) Hexachloroethane	8.840	117	300098	42.405	ng		96
19) n-Nitroso-di-n-propyla...	8.575	70	528511	43.212	ng		99
20) 3+4-Methylphenols	8.551	107	726988	42.329	ng		97
22) Acetophenone	8.587	105	1030325	43.385	ng	#	98
24) Nitrobenzene	8.969	77	735027	43.853	ng		100
25) Isophorone	9.492	82	1390935	42.094	ng		98
26) 2-Nitrophenol	9.675	139	372213	43.468	ng		98
27) 2,4-Dimethylphenol	9.745	122	616468	43.412	ng		99
28) bis(2-Chloroethoxy)met...	9.969	93	883818	43.275	ng		100
29) 2,4-Dichlorophenol	10.222	162	684476	43.026	ng		99
30) 1,2,4-Trichlorobenzene	10.422	180	828831	42.762	ng		99
31) Naphthalene	10.610	128	2061795	42.621	ng		99
32) Benzoic acid	9.910	122	364411	40.124	ng		99
33) 4-Chloroaniline	10.722	127	842409	42.486	ng		99
34) Hexachlorobutadiene	10.892	225	524746	42.651	ng		99
35) Caprolactam	11.516	113	183423	39.543	ng		95
36) 4-Chloro-3-methylphenol	11.863	107	609124	41.443	ng		98
37) 2-Methylnaphthalene	12.222	142	1367845	42.175	ng		99
38) 1-Methylnaphthalene	12.445	142	1423348	41.470	ng		98
40) 1,2,4,5-Tetrachloroben...	12.598	216	936632	44.143	ng		100
41) Hexachlorocyclopentadiene	12.575	237	579325	44.677	ng		99
43) 2,4,6-Trichlorophenol	12.845	196	586802	43.603	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050042.D
Acq On : 30 Apr 2025 10:53
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Quant Time: Apr 30 11:55:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

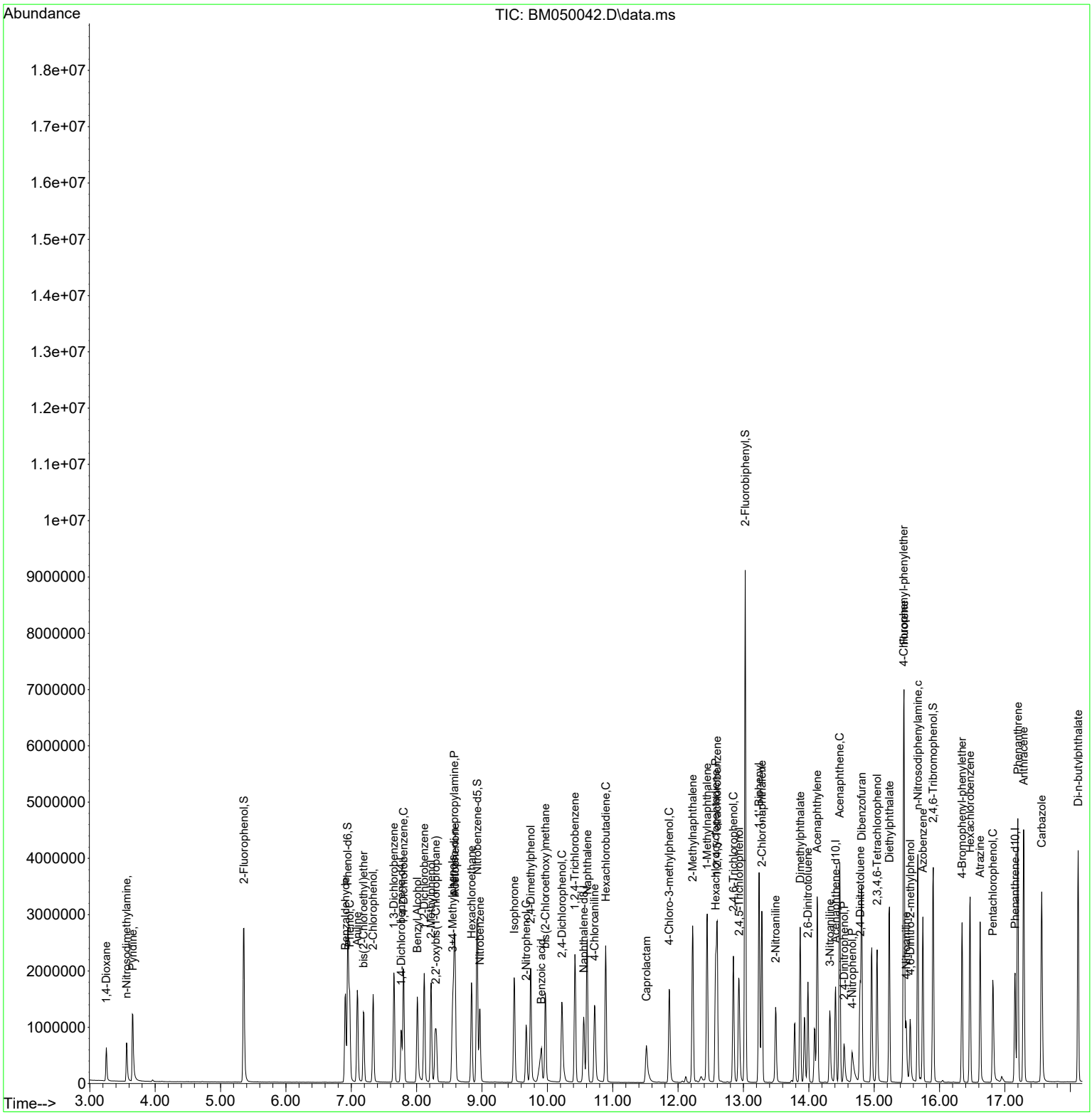
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.933	196	630001	43.411	ng	99
46) 1,1'-Biphenyl	13.239	154	1954241	42.891	ng	99
47) 2-Chloronaphthalene	13.280	162	1555505	43.106	ng	100
48) 2-Nitroaniline	13.492	65	365502	43.156	ng	98
49) Acenaphthylene	14.127	152	2411362	42.382	ng	100
50) Dimethylphthalate	13.869	163	1849837	41.296	ng	100
51) 2,6-Dinitrotoluene	13.986	165	394518	42.538	ng	96
52) Acenaphthene	14.474	154	1403184	42.607	ng	100
53) 3-Nitroaniline	14.322	138	373464	42.178	ng	98
54) 2,4-Dinitrophenol	14.539	184	212492	38.974	ng	96
55) Dibenzofuran	14.810	168	2300153	41.978	ng	100
56) 4-Nitrophenol	14.663	139	255109	37.941	ng	94
57) 2,4-Dinitrotoluene	14.786	165	542807	42.356	ng	99
58) Fluorene	15.457	166	1921347	42.839	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.045	232	527254	41.972	ng	99
60) Diethylphthalate	15.233	149	1731827	41.031	ng	100
61) 4-Chlorophenyl-phenyle...	15.451	204	1071699	43.504	ng	99
62) 4-Nitroaniline	15.492	138	366264	42.874	ng	100
63) Azobenzene	15.745	77	1519297	42.950	ng	100
65) 4,6-Dinitro-2-methylph...	15.551	198	310863	42.498	ng	95
66) n-Nitrosodiphenylamine	15.668	169	1560967	43.501	ng	100
67) 4-Bromophenyl-phenylether	16.345	248	607925	43.021	ng	99
68) Hexachlorobenzene	16.468	284	695516	42.699	ng	96
69) Atrazine	16.621	200	544551	42.071	ng	99
70) Pentachlorophenol	16.815	266	387154	42.225	ng	98
71) Phenanthrene	17.198	178	2829602	42.933	ng	100
72) Anthracene	17.286	178	2878094	43.151	ng	100
73) Carbazole	17.562	167	2425018	41.899	ng	100
74) Di-n-butylphthalate	18.121	149	2922945	42.408	ng	100
75) Fluoranthene	19.215	202	3271721	42.281	ng	100
77) Benzidine	19.404	184	1650938	41.733	ng	99
78) Pyrene	19.580	202	3366511	43.046	ng	100
80) Butylbenzylphthalate	20.474	149	1219105	41.620	ng	95
81) Benzo(a)anthracene	21.380	228	3283983	42.820	ng	100
82) 3,3'-Dichlorobenzidine	21.303	252	1236475	42.117	ng	100
83) Chrysene	21.439	228	3025120	42.619	ng	100
84) Bis(2-ethylhexyl)phtha...	21.298	149	1862578	42.571	ng	99
85) Di-n-octyl phthalate	22.427	149	2954982	40.954	ng	99
87) Indeno(1,2,3-cd)pyrene	27.785	276	3352076	42.790	ng	100
88) Benzo(b)fluoranthene	23.450	252	2964449	43.358	ng	99
89) Benzo(k)fluoranthene	23.509	252	2983657	43.141	ng	99
90) Benzo(a)pyrene	24.256	252	2715011	42.397	ng	99
91) Dibenzo(a,h)anthracene	27.832	278	2723509	42.649	ng	99
92) Benzo(g,h,i)perylene	28.844	276	2571251	42.058	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050042.D
Acq On : 30 Apr 2025 10:53
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Quant Time: Apr 30 11:55:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050042.D
Acq On : 30 Apr 2025 10:53
Operator : RC/JU
Sample : SSTDCCC040
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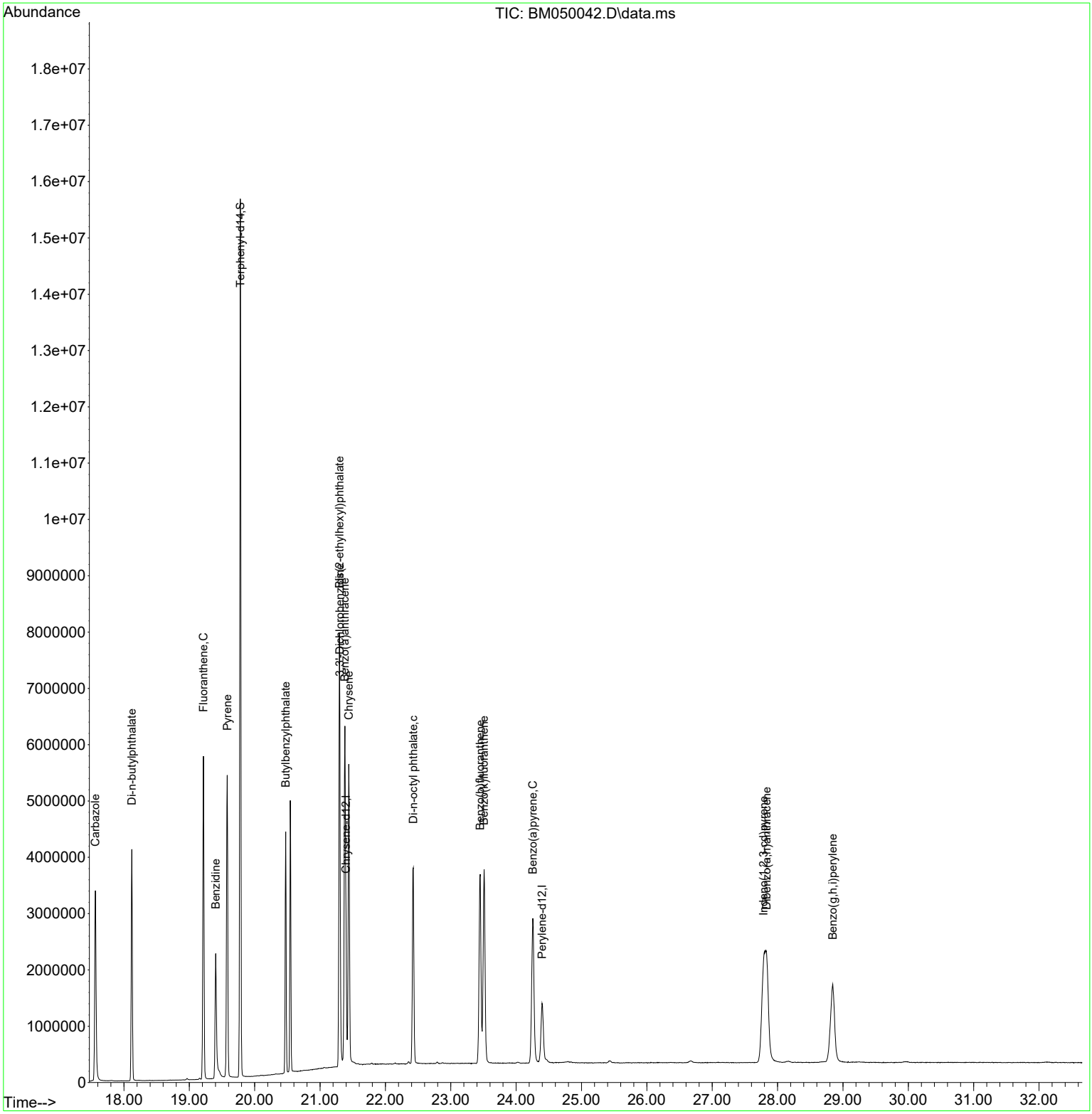
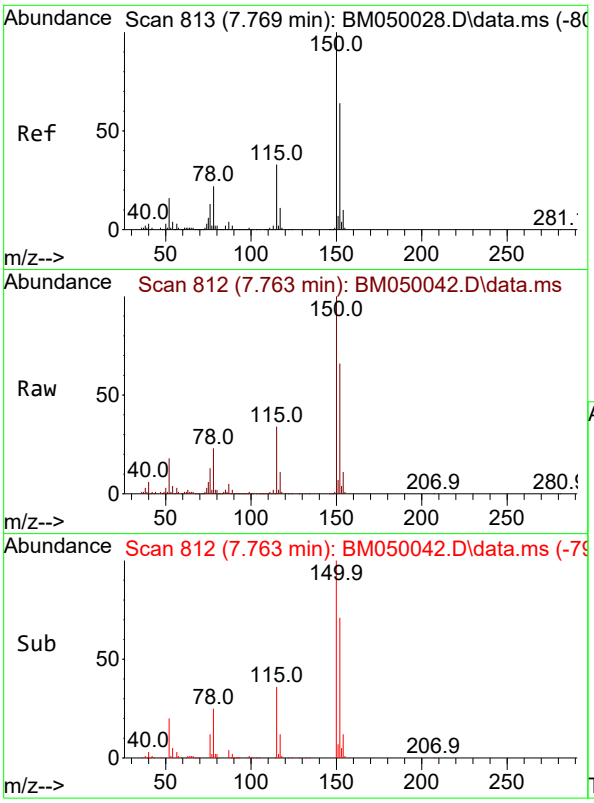


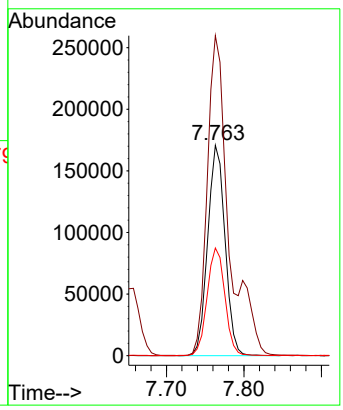


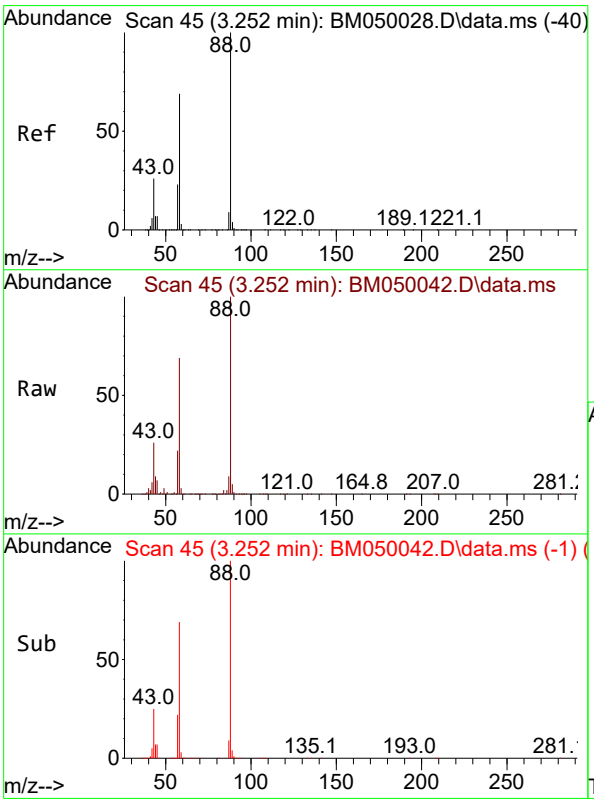
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 265682

Ion	Ratio	Lower	Upper
152	100		
150	152.0	124.1	186.1
115	51.2	41.2	61.8

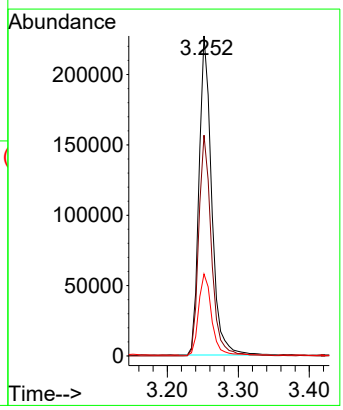


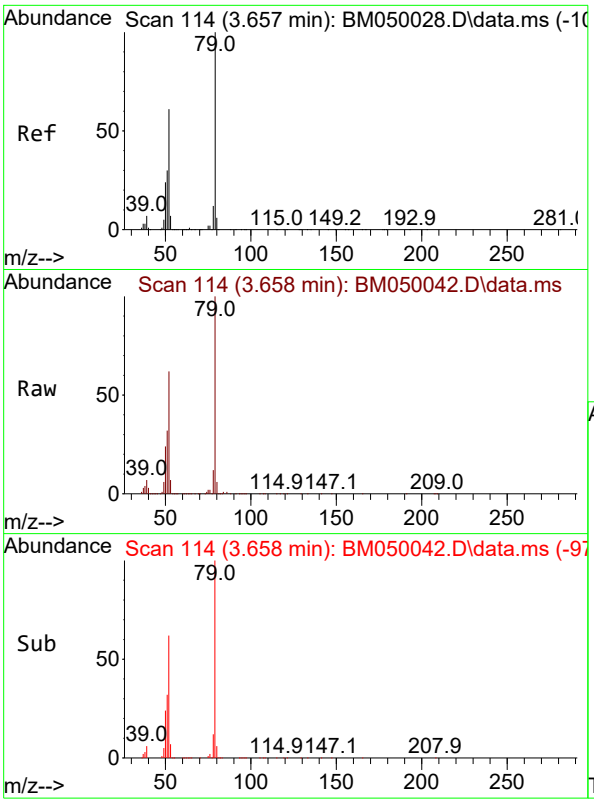


#2
1,4-Dioxane
Concen: 43.108 ng
RT: 3.252 min Scan# 45
Delta R.T. 0.000 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion: 88 Resp: 280442

Ion	Ratio	Lower	Upper
88	100		
58	69.7	55.1	82.7
43	26.0	20.9	31.3



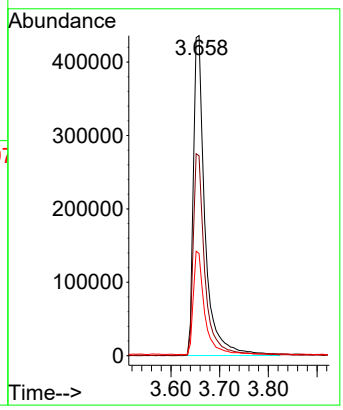


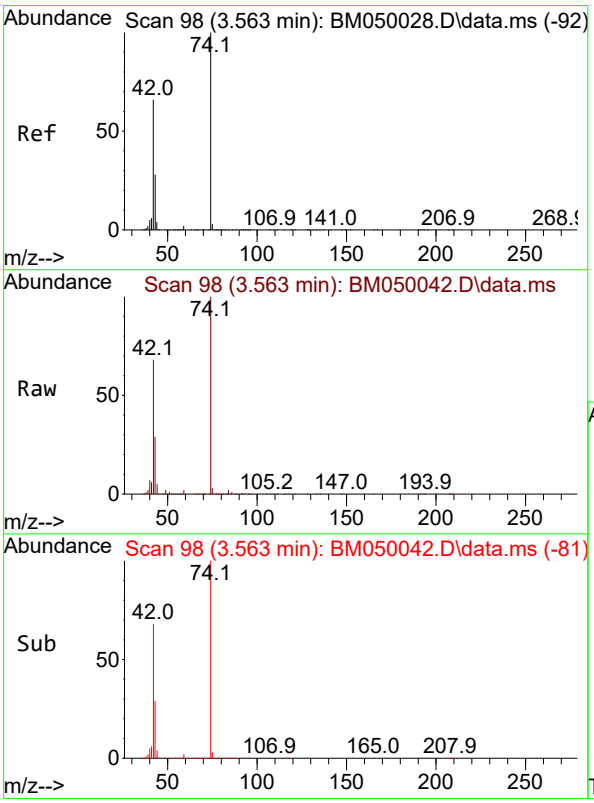
#3
Pyridine
Concen: 43.721 ng
RT: 3.658 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 730788

Ion	Ratio	Lower	Upper
79	100		
52	62.5	48.6	72.8
51	31.9	24.6	37.0

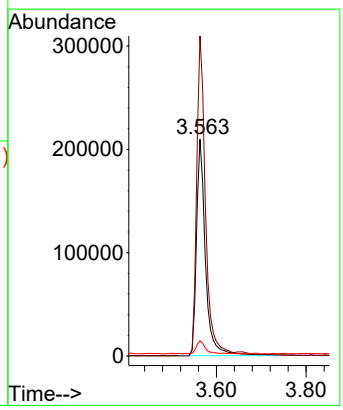


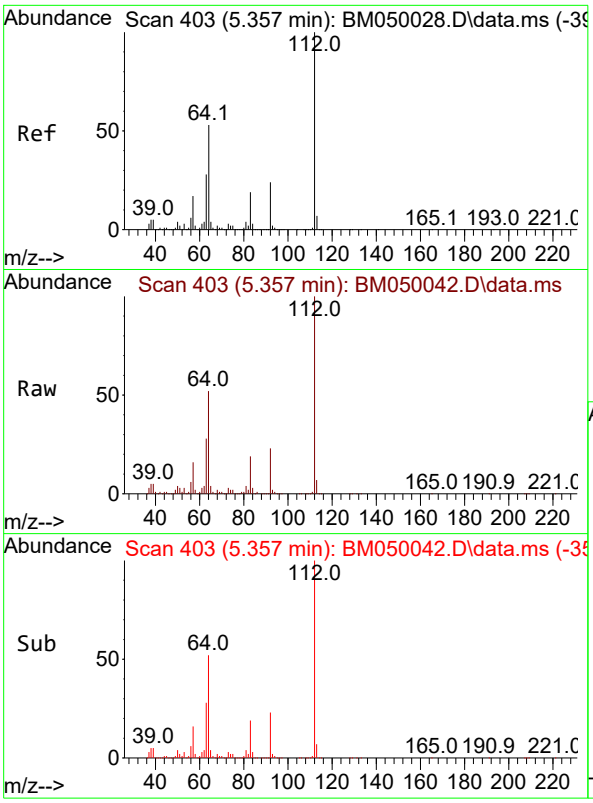


#4
n-Nitrosodimethylamine
Concen: 44.209 ng
RT: 3.563 min Scan# 98
Delta R.T. 0.000 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion: 42 Resp: 289816

Ion	Ratio	Lower	Upper
42	100		
74	147.5	120.2	180.2
44	7.0	6.2	9.2



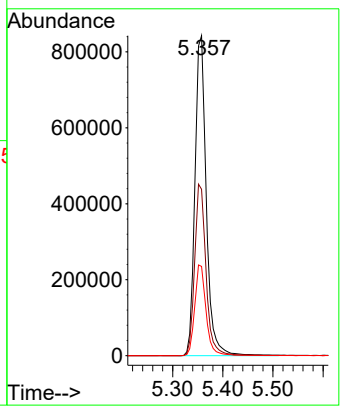


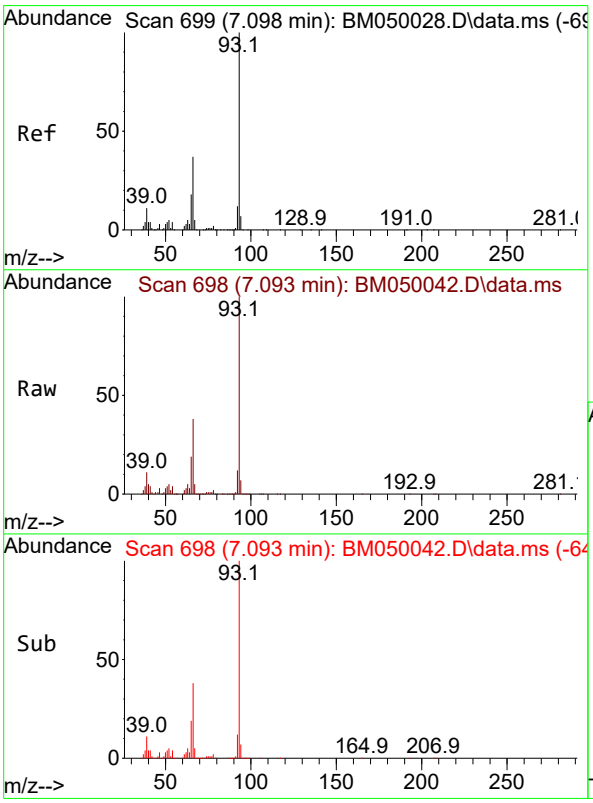
#5
2-Fluorophenol
Concen: 87.105 ng
RT: 5.357 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 1321607

Ion	Ratio	Lower	Upper
112	100		
64	52.0	42.6	64.0
63	27.9	22.2	33.4

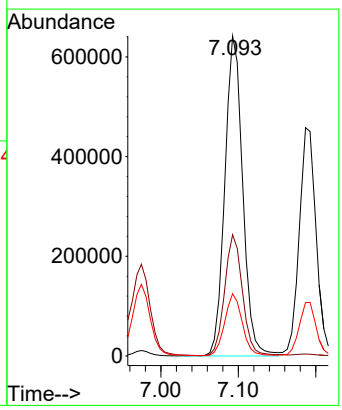


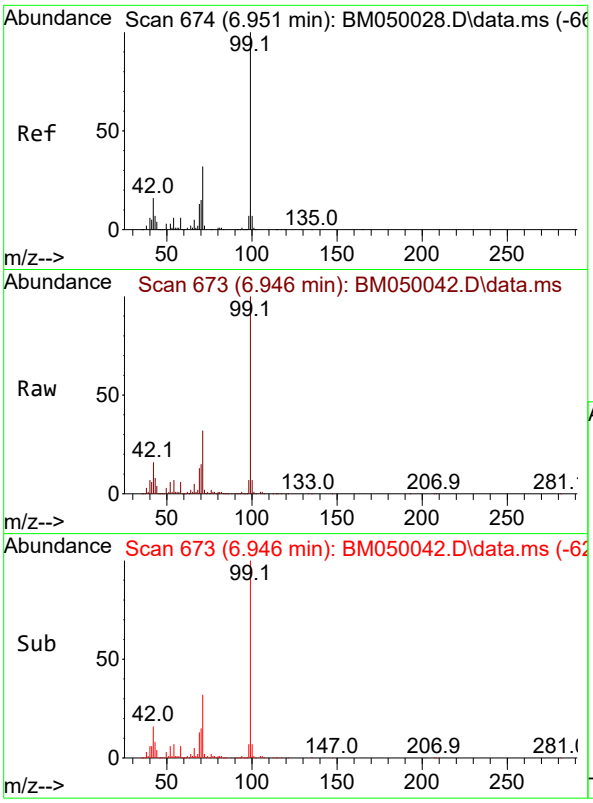


#6
Aniline
Concen: 42.852 ng
RT: 7.093 min Scan# 698
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion: 93 Resp: 1031898

Ion	Ratio	Lower	Upper
93	100		
66	37.9	29.9	44.9
65	19.5	14.5	21.7



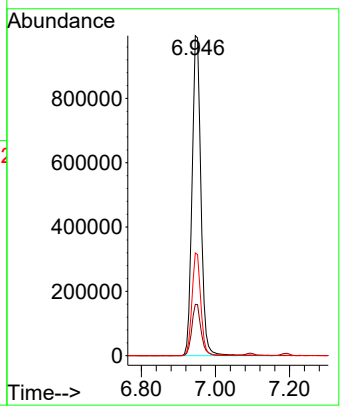


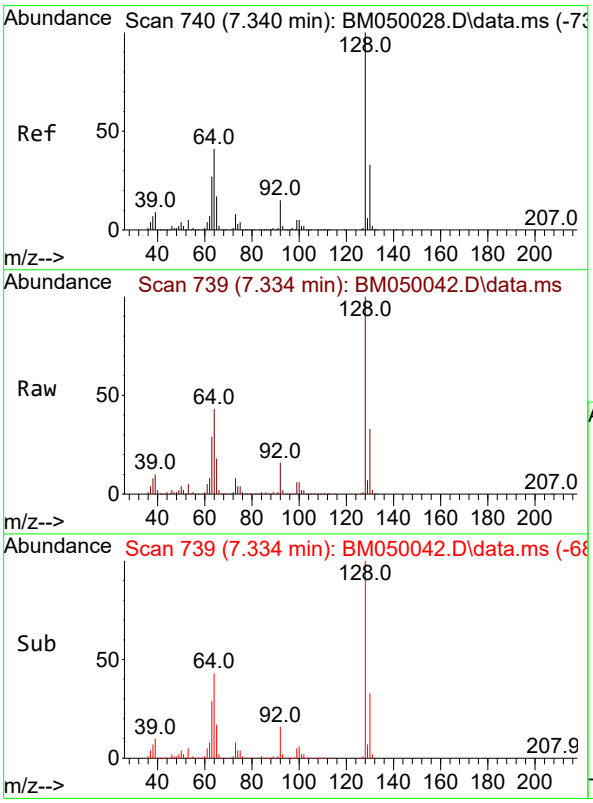
#7
Phenol-d6
Concen: 86.957 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 1658262

Ion	Ratio	Lower	Upper
99	100		
42	16.0	13.0	19.4
71	32.1	25.6	38.4

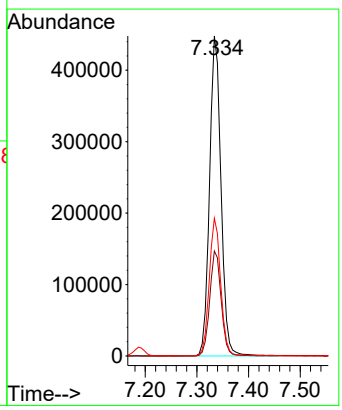


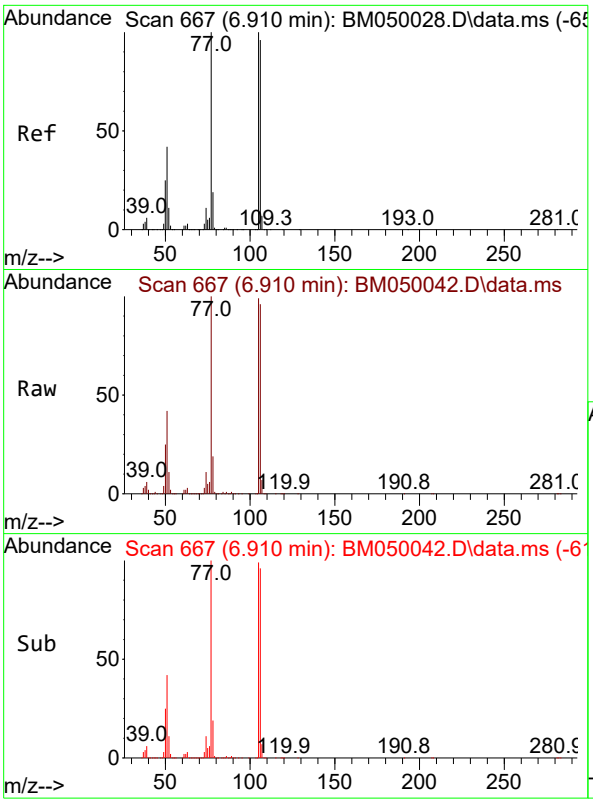


#8
2-Chlorophenol
Concen: 42.042 ng
RT: 7.334 min Scan# 739
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion:128 Resp: 689698

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.8	52.8
64	43.1	21.2	61.2



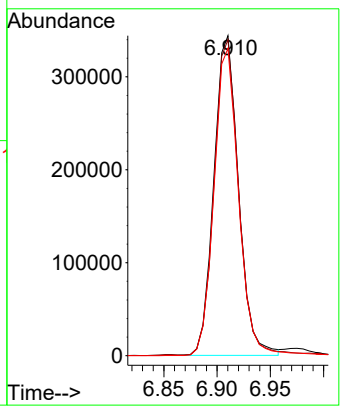


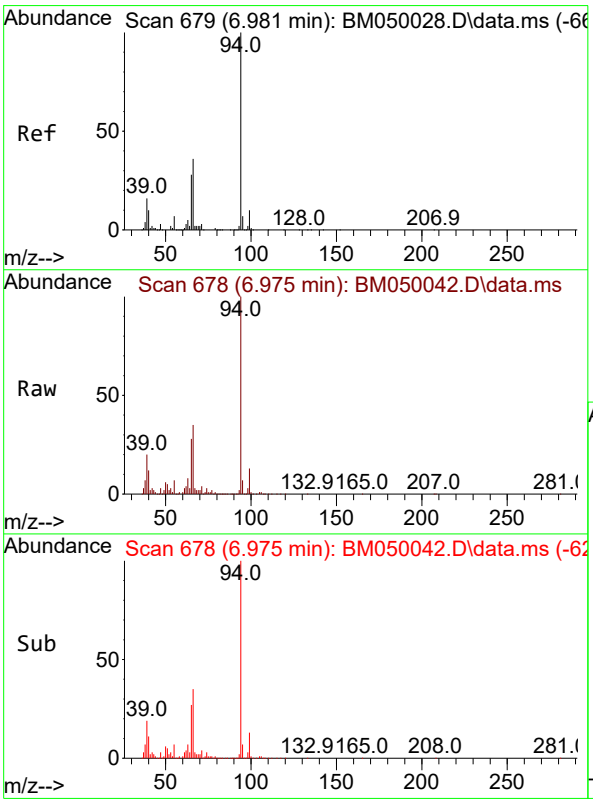
#9
Benzaldehyde
Concen: 43.158 ng
RT: 6.910 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 550768

Ion	Ratio	Lower	Upper
77	100		
105	98.8	80.5	120.5
106	96.0	76.1	116.1

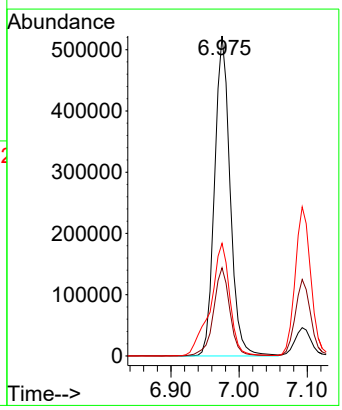


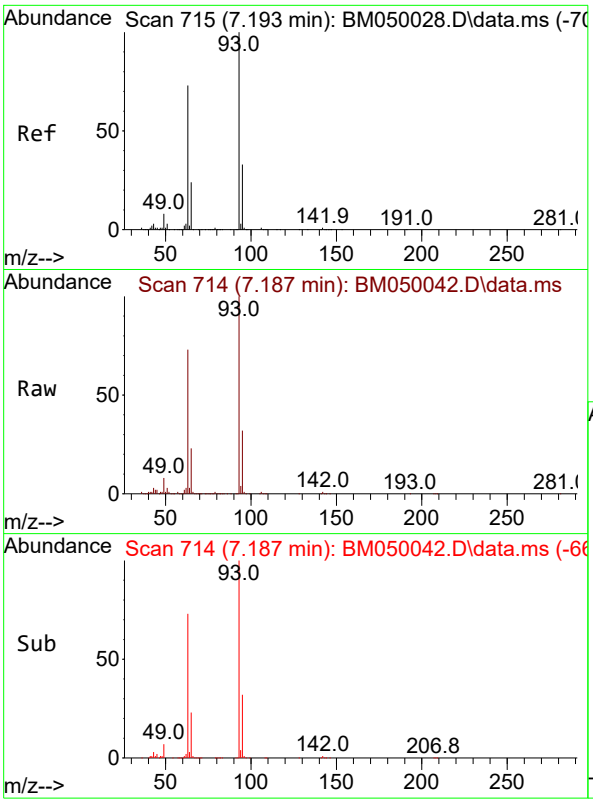


#10
Phenol
Concen: 42.995 ng
RT: 6.975 min Scan# 678
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion: 94 Resp: 830037

Ion	Ratio	Lower	Upper
94	100		
65	27.5	7.6	47.6
66	35.2	15.8	55.8



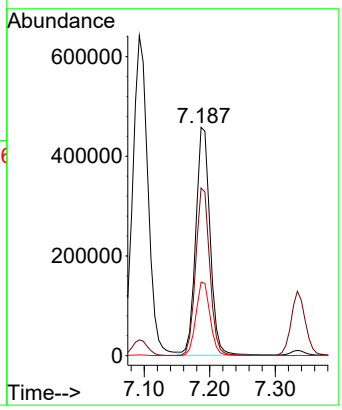


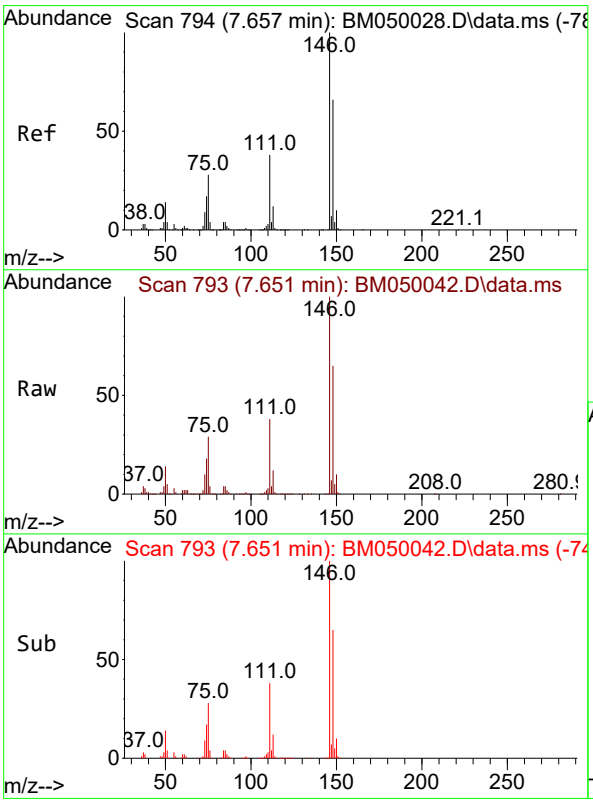
#11
bis(2-Chloroethyl)ether
Concen: 43.235 ng
RT: 7.187 min Scan# 7
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 696957

Ion	Ratio	Lower	Upper
93	100		
63	73.4	52.3	92.3
95	32.2	12.8	52.8

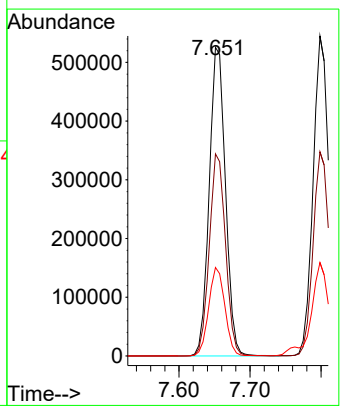


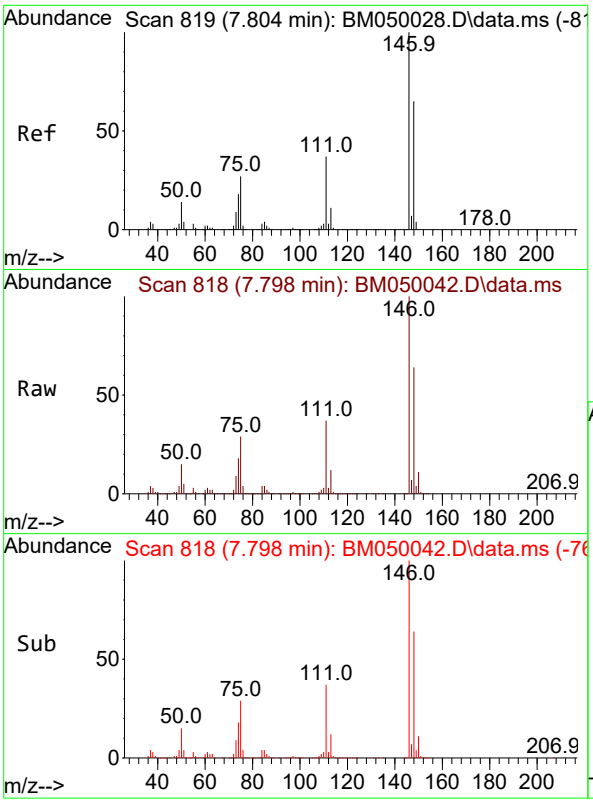


#12
1,3-Dichlorobenzene
Concen: 42.122 ng
RT: 7.651 min Scan# 793
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion:146 Resp: 834717

Ion	Ratio	Lower	Upper
146	100		
148	65.5	52.5	78.7
75	28.7	22.6	34.0



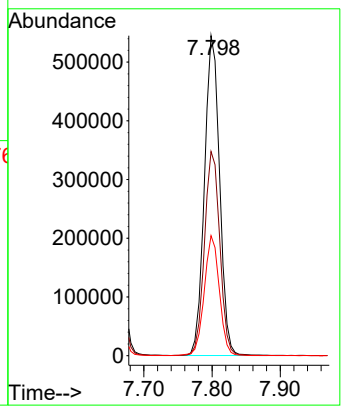


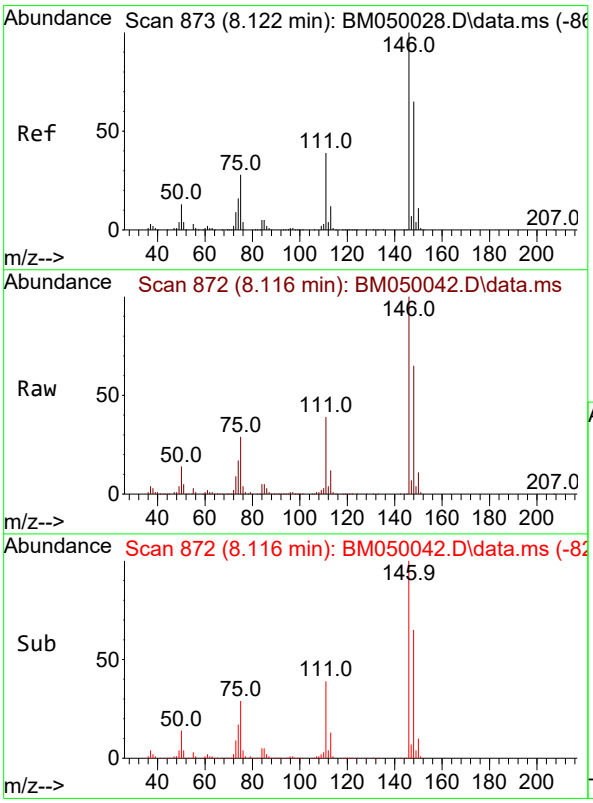
#13
1,4-Dichlorobenzene
Concen: 42.355 ng
RT: 7.798 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 843196

Ion	Ratio	Lower	Upper
146	100		
148	63.8	52.2	78.2
111	37.5	29.3	43.9

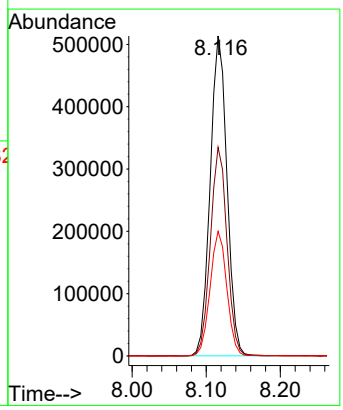


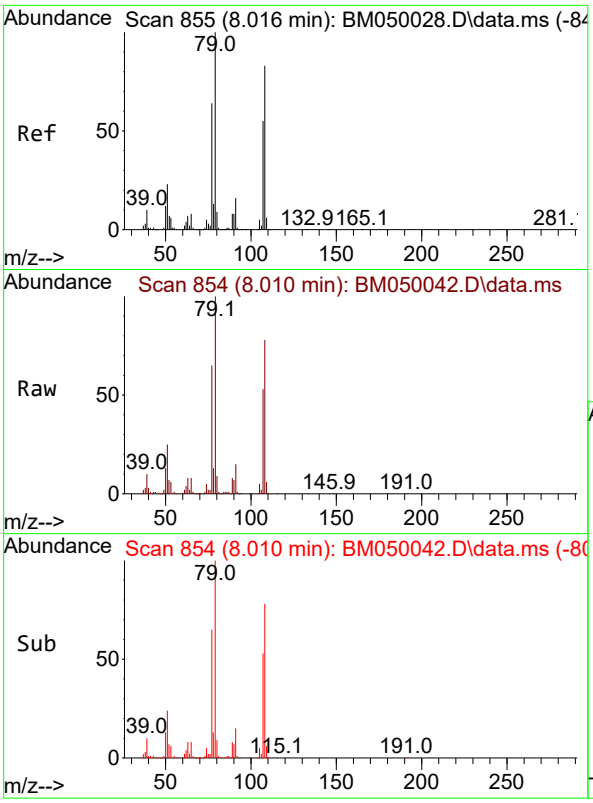


#14
1,2-Dichlorobenzene
Concen: 42.078 ng
RT: 8.116 min Scan# 872
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion:146 Resp: 809174

Ion	Ratio	Lower	Upper
146	100		
148	65.2	52.4	78.6
111	39.0	31.0	46.6



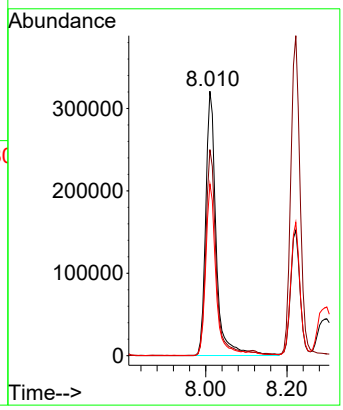


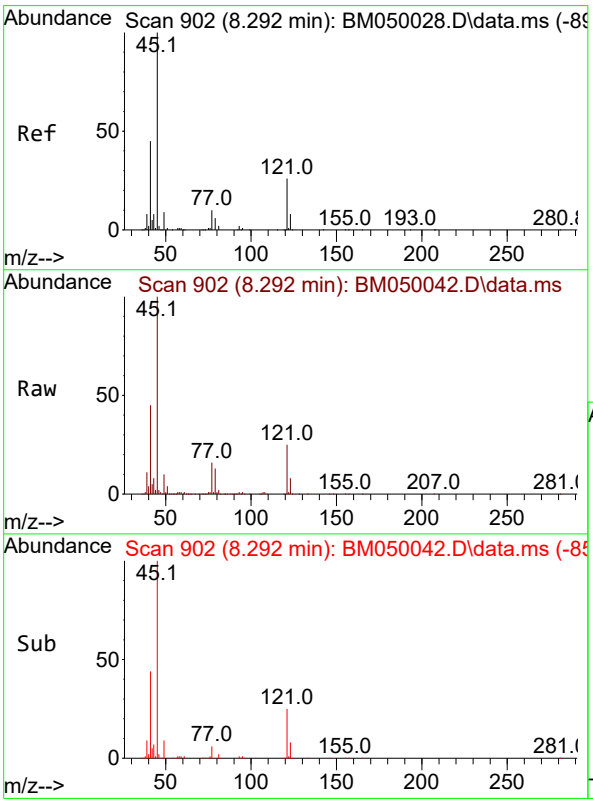
#15
Benzyl Alcohol
Concen: 43.183 ng
RT: 8.010 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 571084

Ion	Ratio	Lower	Upper
79	100		
108	77.9	66.0	99.0
77	65.0	51.6	77.4

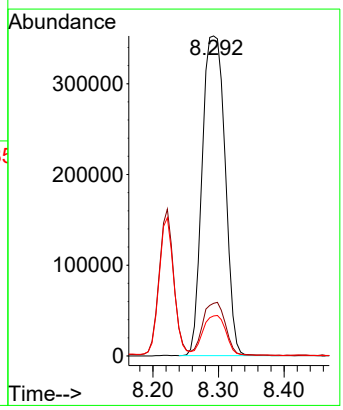


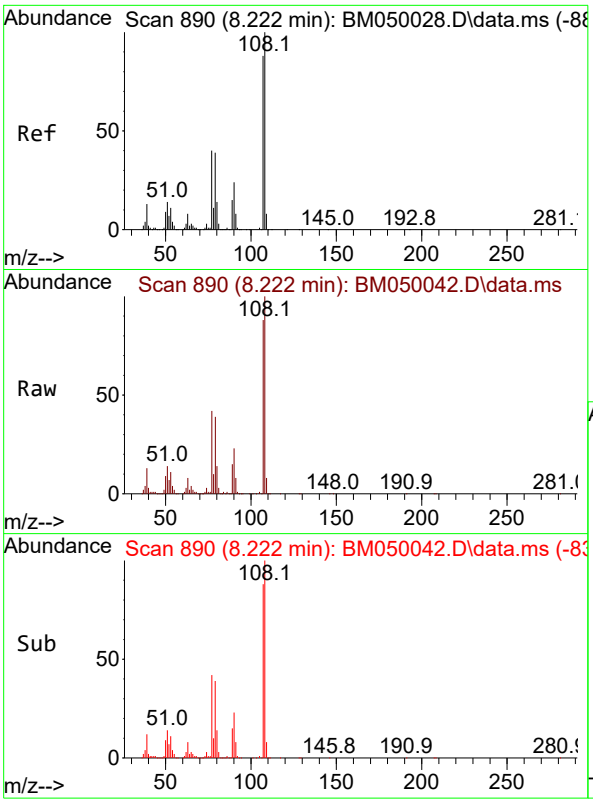


#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.523 ng
RT: 8.292 min Scan# 902
Delta R.T. 0.000 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion: 45 Resp: 852852

Ion	Ratio	Lower	Upper
45	100		
77	16.4	0.0	36.4
79	12.5	0.0	32.7



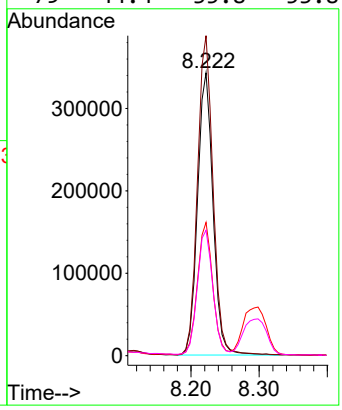


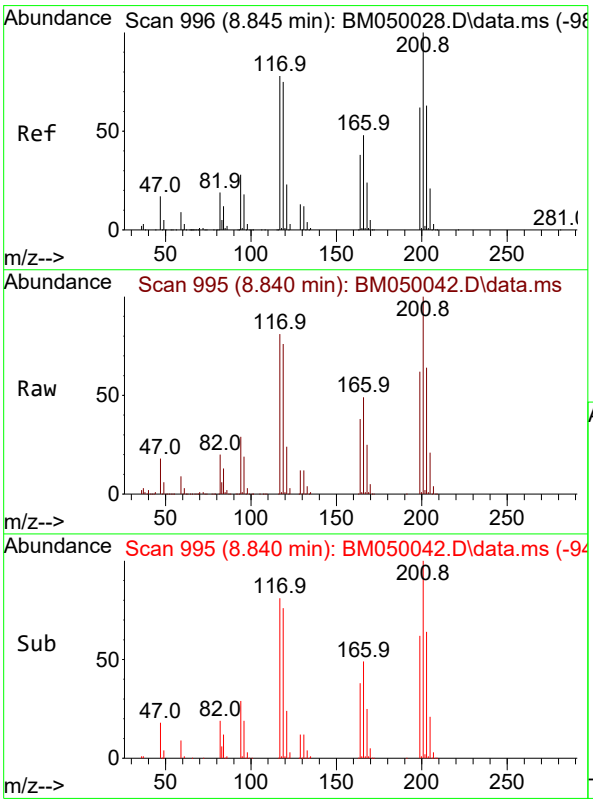
#17
2-Methylphenol
Concen: 42.537 ng
RT: 8.222 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 540978

Ion	Ratio	Lower	Upper
107	100		
108	113.1	91.1	136.7
77	47.1	36.2	54.4
79	44.4	35.8	53.8

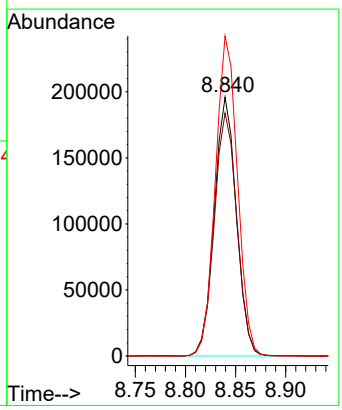


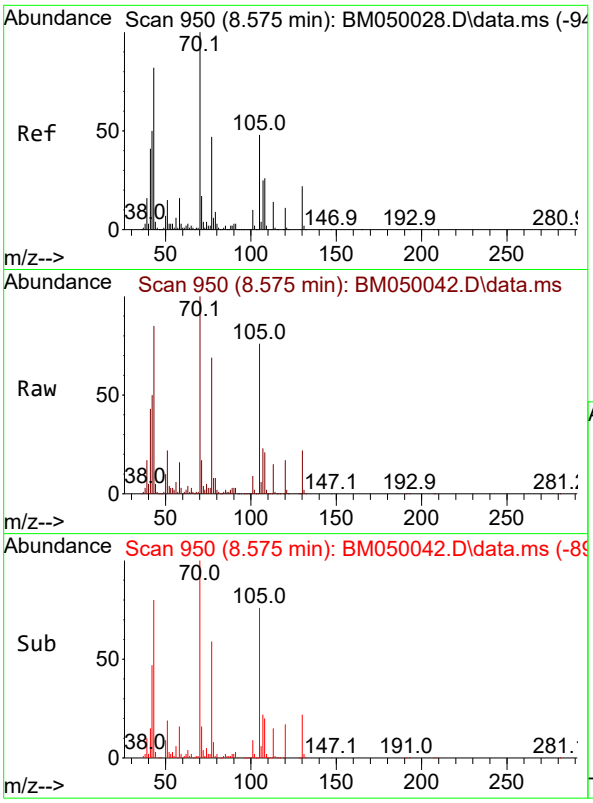


#18
Hexachloroethane
Concen: 42.405 ng
RT: 8.840 min Scan# 995
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion:117 Resp: 300098

Ion	Ratio	Lower	Upper
117	100		
119	93.9	77.3	115.9
201	123.7	102.8	154.2



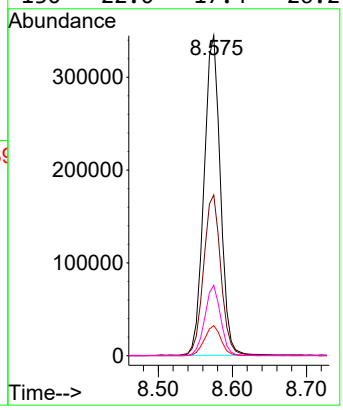


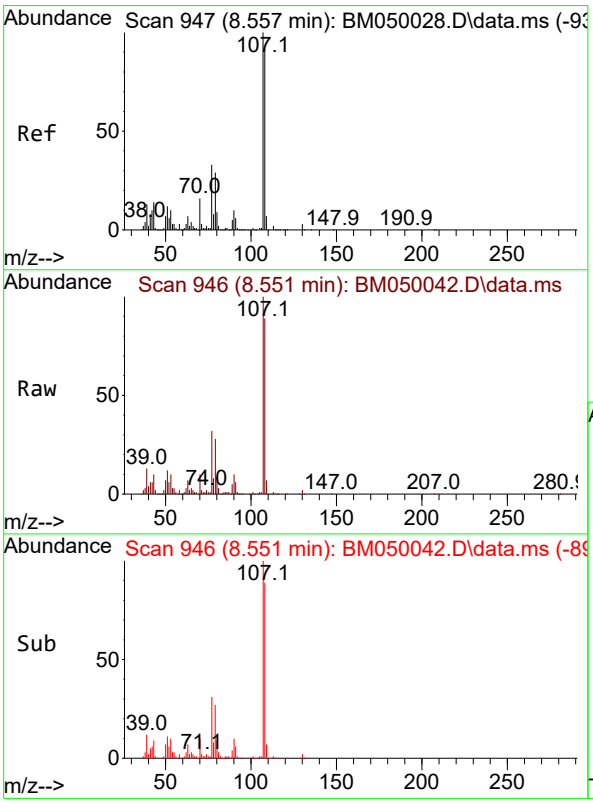
#19
n-Nitroso-di-n-propylamine
Concen: 43.212 ng
RT: 8.575 min Scan# 9
Delta R.T. 0.000 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 528511

Ion	Ratio	Lower	Upper
70	100		
42	50.3	40.5	60.7
101	9.4	7.8	11.6
130	22.0	17.4	26.2

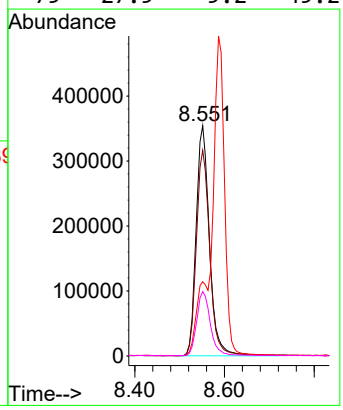


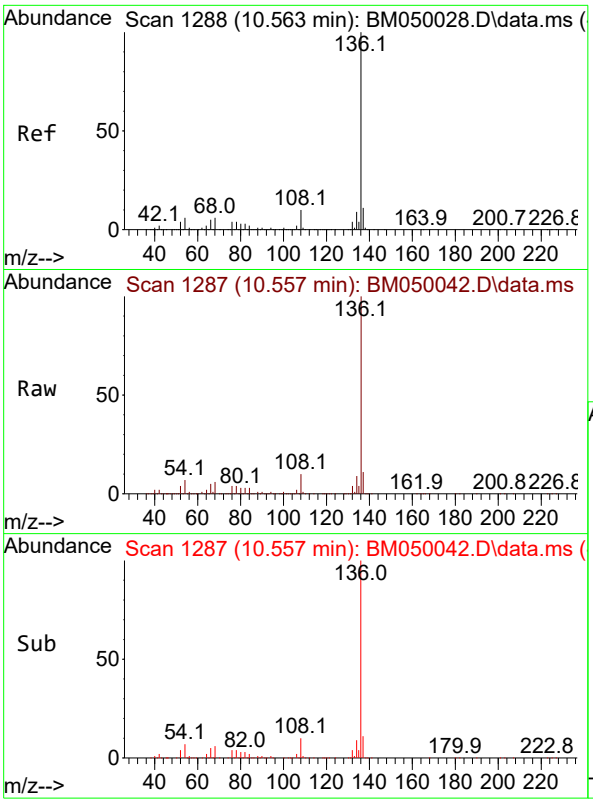


#20
3+4-Methylphenols
Concen: 42.329 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion:107 Resp: 726988

Ion	Ratio	Lower	Upper
107	100		
108	89.3	72.4	112.4
77	32.2	13.6	53.6
79	27.9	9.2	49.2



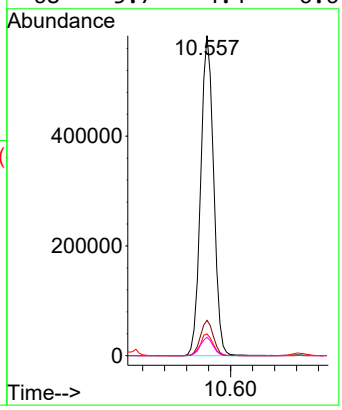


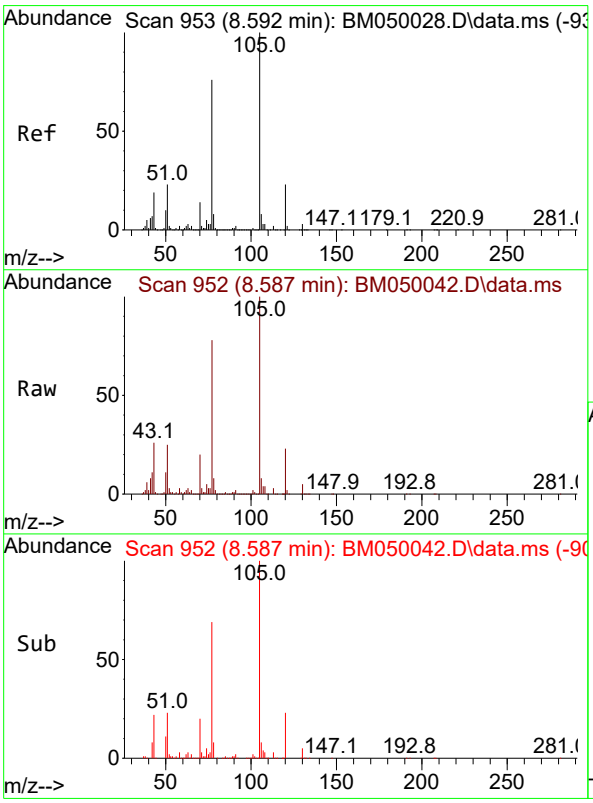
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 955212

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	6.8	5.1	7.7
68	5.7	4.4	6.6

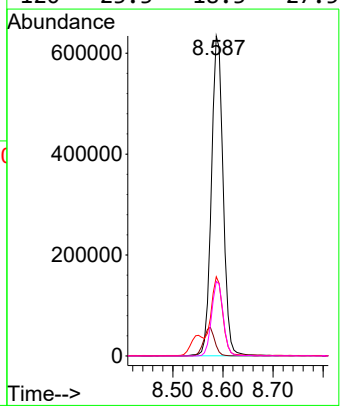


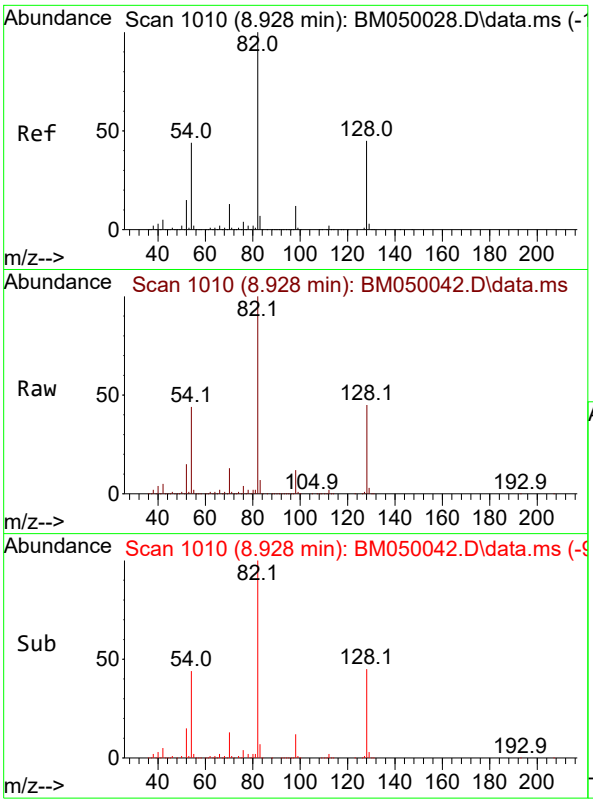


#22
Acetophenone
Concen: 43.385 ng
RT: 8.587 min Scan# 952
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion:105 Resp: 1030325

Ion	Ratio	Lower	Upper
105	100		
71	3.2	1.7	2.5#
51	24.8	18.6	27.8
120	23.3	18.3	27.5



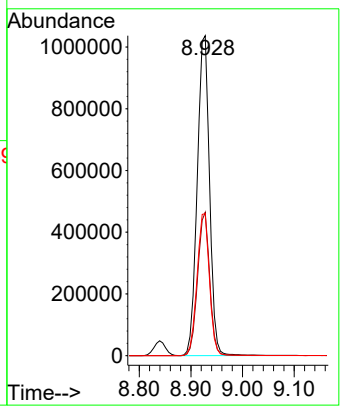


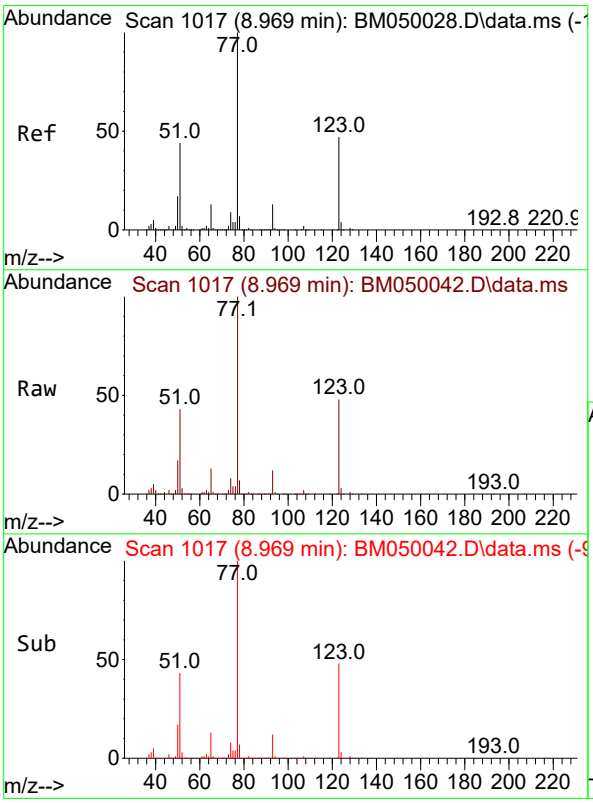
#23
Nitrobenzene-d5
Concen: 88.324 ng
RT: 8.928 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1712149

Ion	Ratio	Lower	Upper
82	100		
128	44.8	35.7	53.5
54	44.4	35.4	53.2

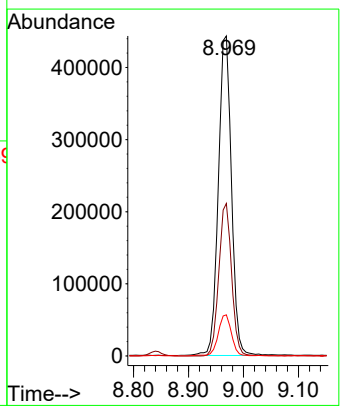


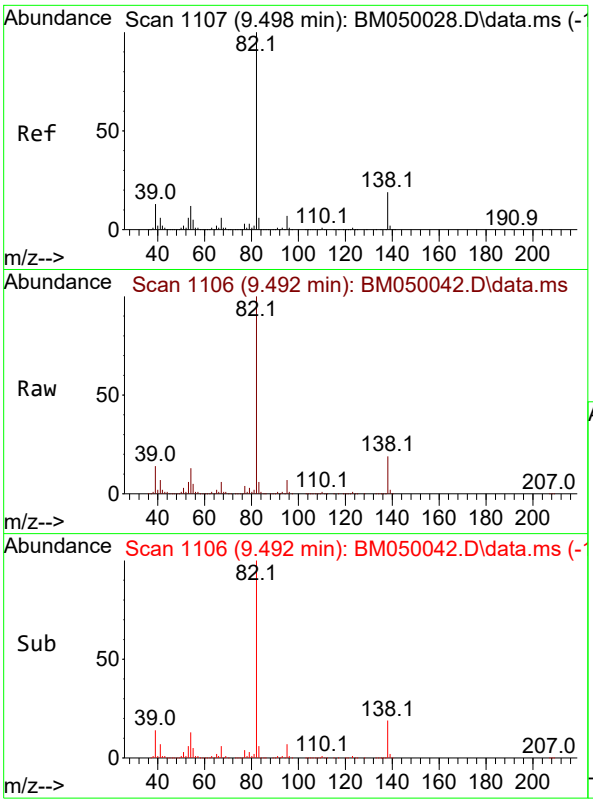


#24
Nitrobenzene
Concen: 43.853 ng
RT: 8.969 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion: 77 Resp: 735027

Ion	Ratio	Lower	Upper
77	100		
123	47.6	37.9	56.9
65	12.8	10.1	15.1



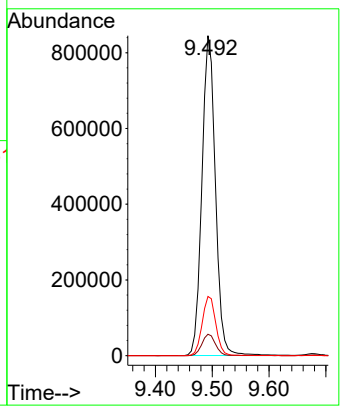


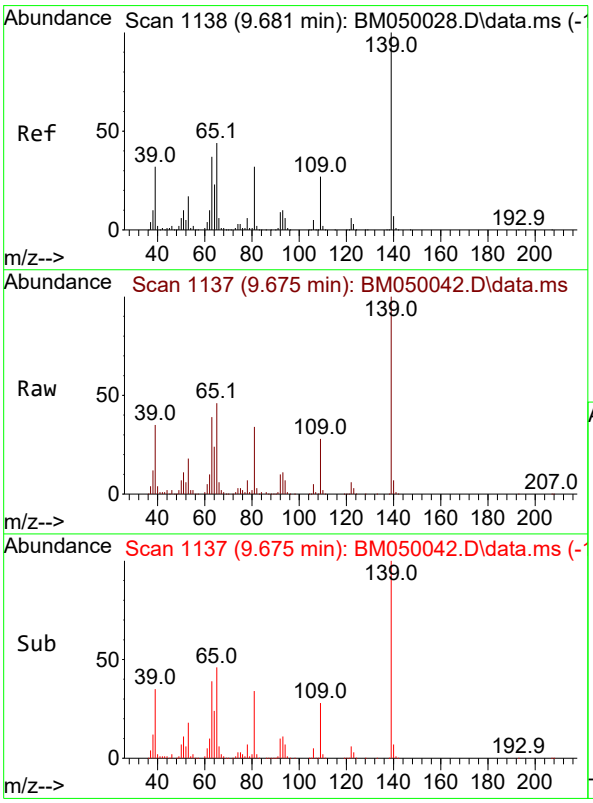
#25
Isophorone
Concen: 42.094 ng
RT: 9.492 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1390935

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.7	8.5
138	18.5	15.5	23.3

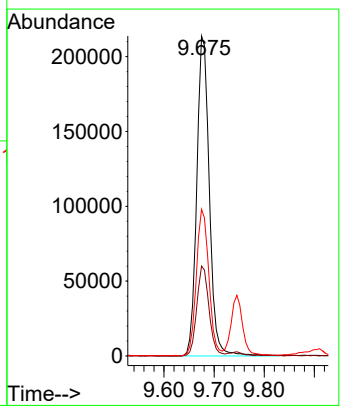


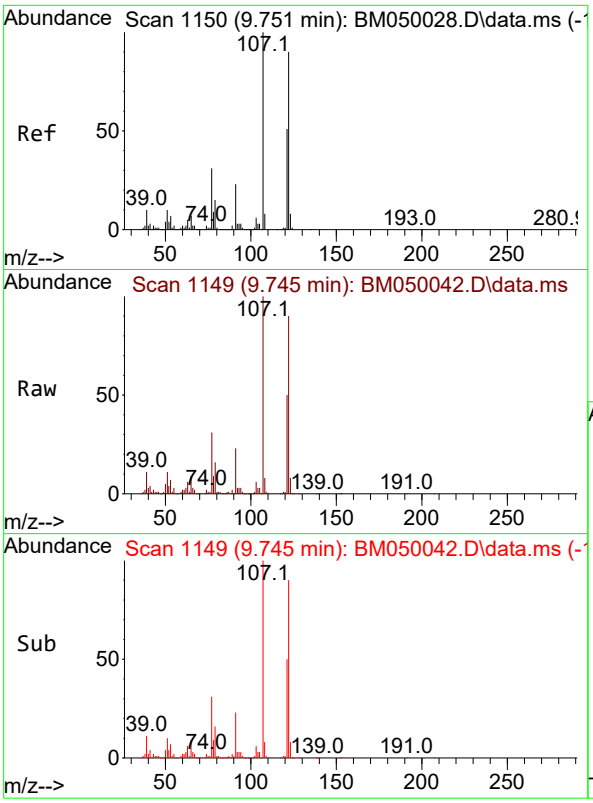


#26
2-Nitrophenol
Concen: 43.468 ng
RT: 9.675 min Scan# 1137
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion:139 Resp: 372213

Ion	Ratio	Lower	Upper
139	100		
109	28.1	21.9	32.9
65	45.8	35.4	53.2



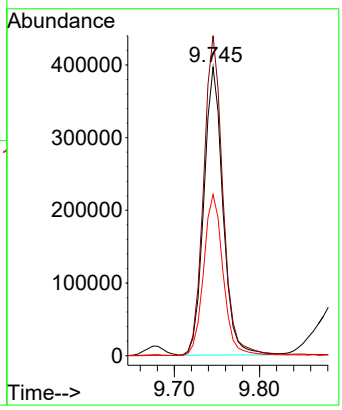


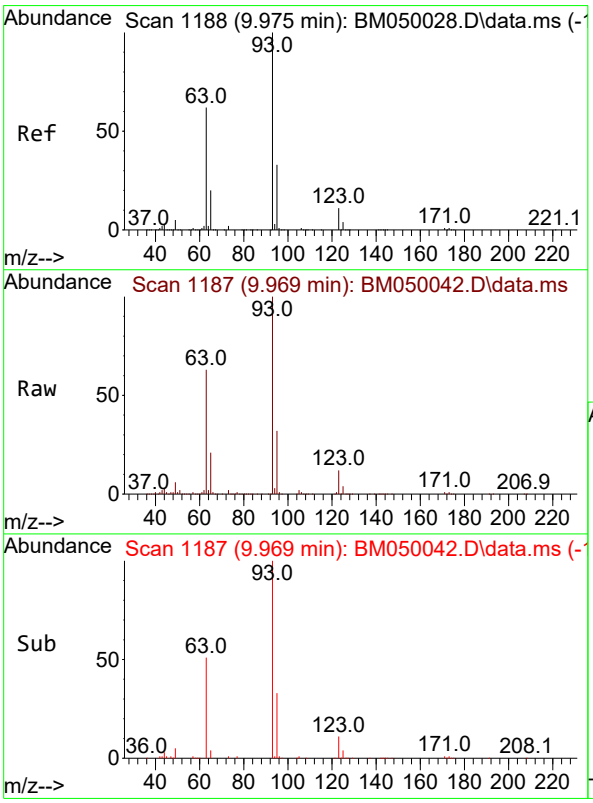
#27
2,4-Dimethylphenol
Concen: 43.412 ng
RT: 9.745 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 616468

Ion	Ratio	Lower	Upper
122	100		
107	110.9	89.0	133.6
121	55.8	45.6	68.4

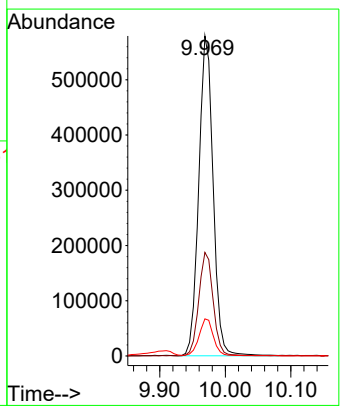


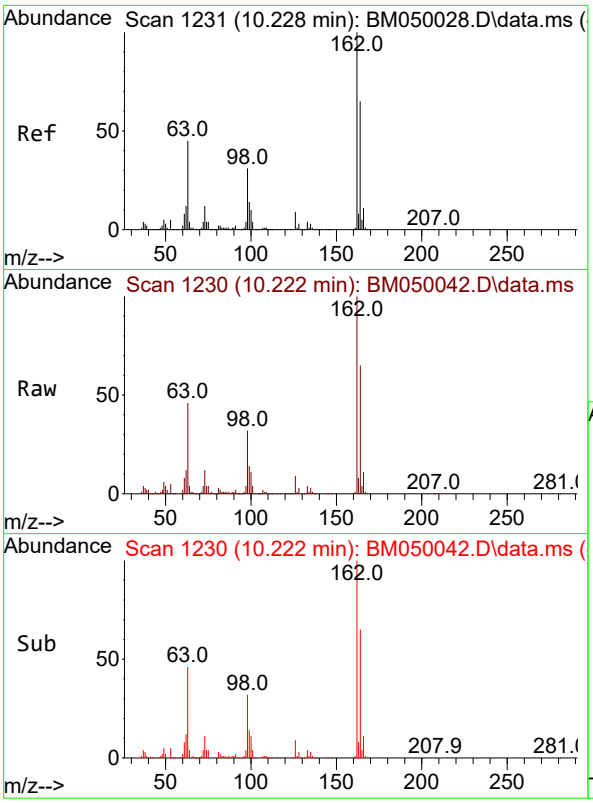


#28
bis(2-Chloroethoxy)methane
Concen: 43.275 ng
RT: 9.969 min Scan# 1187
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion: 93 Resp: 883818

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.1	39.1
123	11.6	9.5	14.3



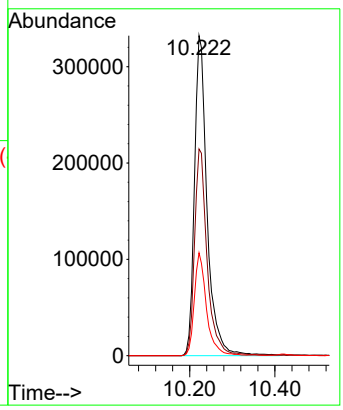


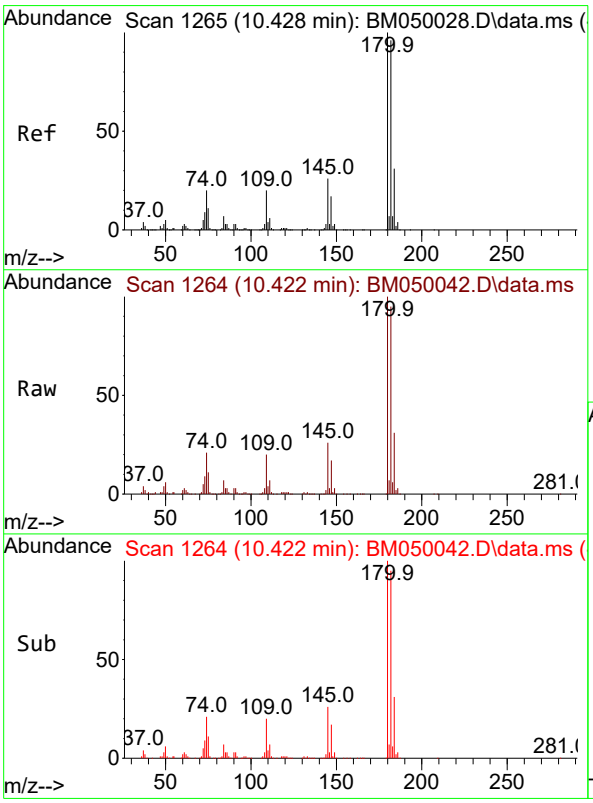
#29
2,4-Dichlorophenol
Concen: 43.026 ng
RT: 10.222 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 684476

Ion	Ratio	Lower	Upper
162	100		
164	64.6	45.4	85.4
98	32.2	11.3	51.3

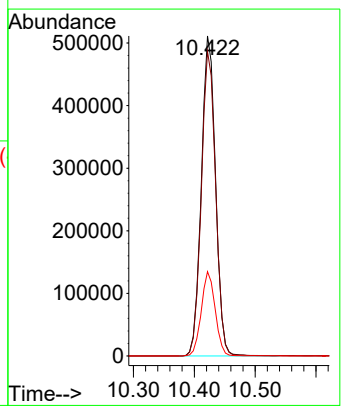


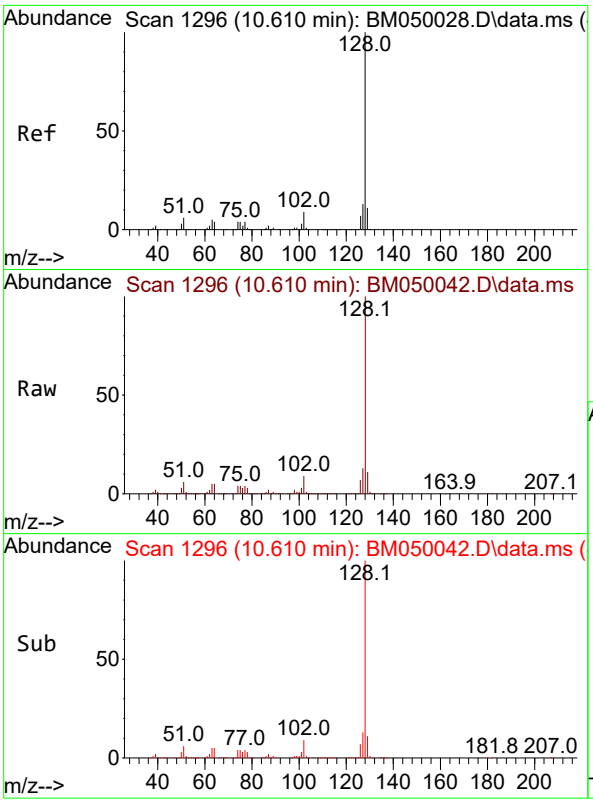


#30
1,2,4-Trichlorobenzene
Concen: 42.762 ng
RT: 10.422 min Scan# 1264
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion:180 Resp: 828831

Ion	Ratio	Lower	Upper
180	100		
182	95.2	77.0	115.4
145	26.3	20.6	30.8



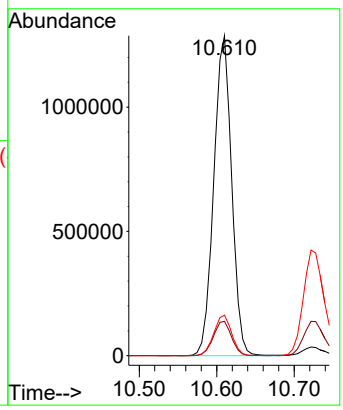


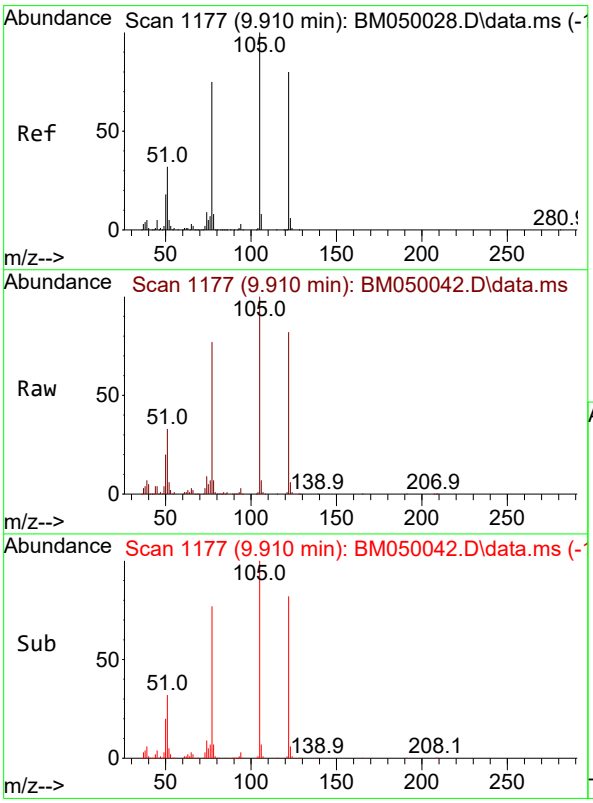
#31
Naphthalene
Concen: 42.621 ng
RT: 10.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 2061795

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.8	13.2
127	12.7	10.4	15.6

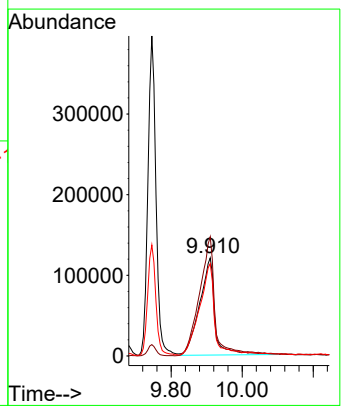


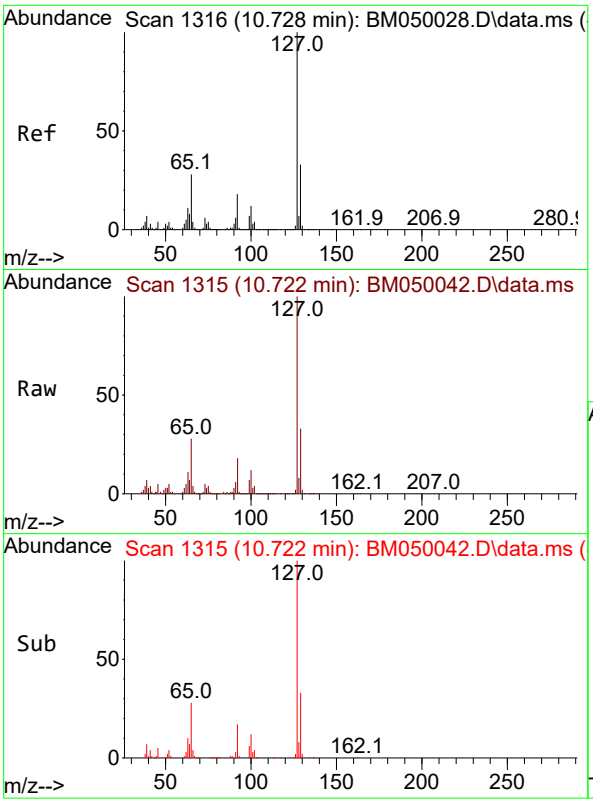


#32
Benzoic acid
Concen: 40.124 ng
RT: 9.910 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion:122 Resp: 364411

Ion	Ratio	Lower	Upper
122	100		
105	121.7	103.6	143.6
77	94.2	73.7	113.7



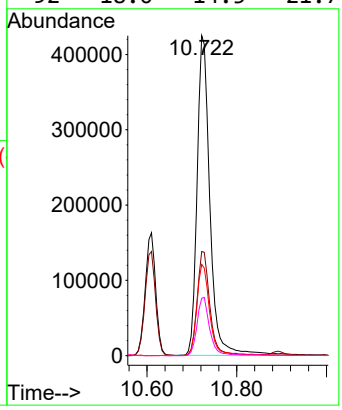


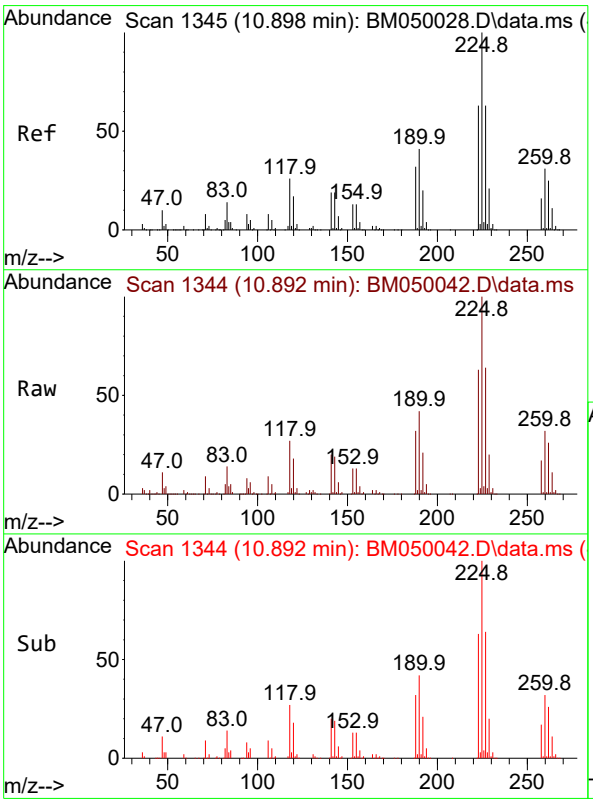
#33
4-Chloroaniline
Concen: 42.486 ng
RT: 10.722 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 842409

Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.3	39.5
65	28.5	22.5	33.7
92	18.0	14.5	21.7

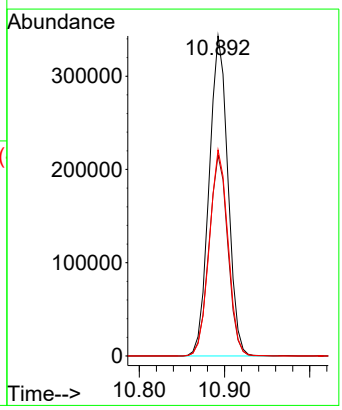


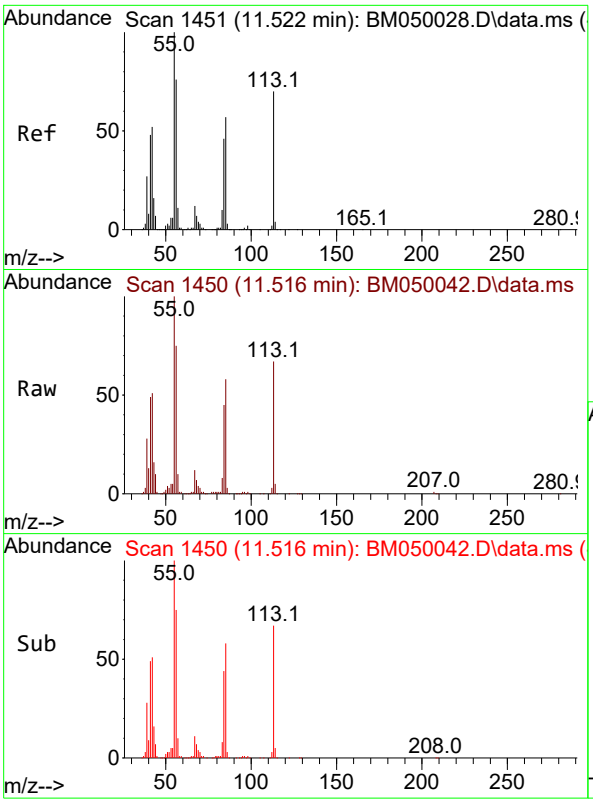


#34
Hexachlorobutadiene
Concen: 42.651 ng
RT: 10.892 min Scan# 1344
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion:225 Resp: 524746

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.2	75.2
227	64.4	50.6	76.0



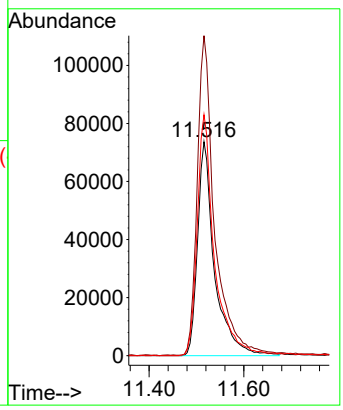


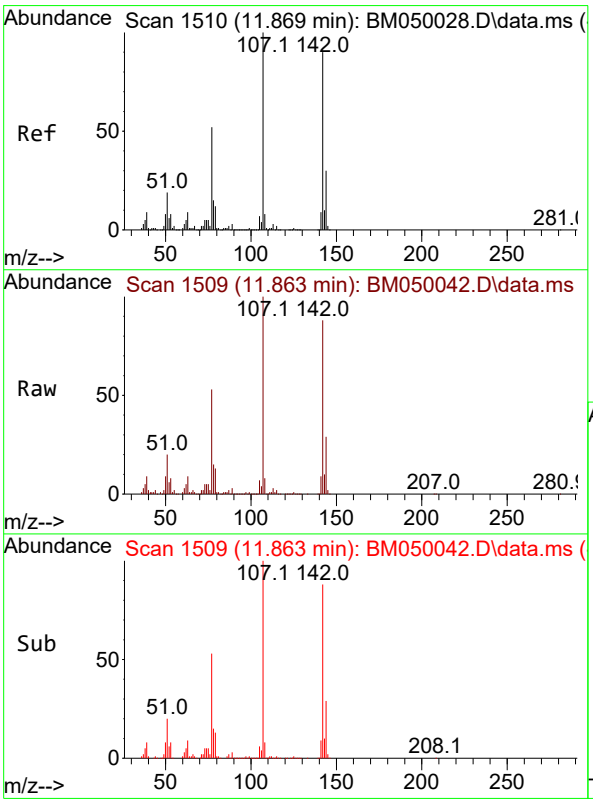
#35
Caprolactam
Concen: 39.543 ng
RT: 11.516 min Scan# 14
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 183423

Ion	Ratio	Lower	Upper
113	100		
55	149.5	122.9	162.9
56	112.6	88.1	128.1

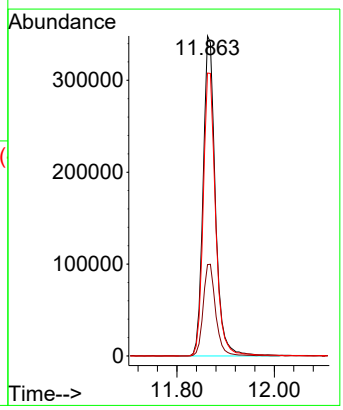


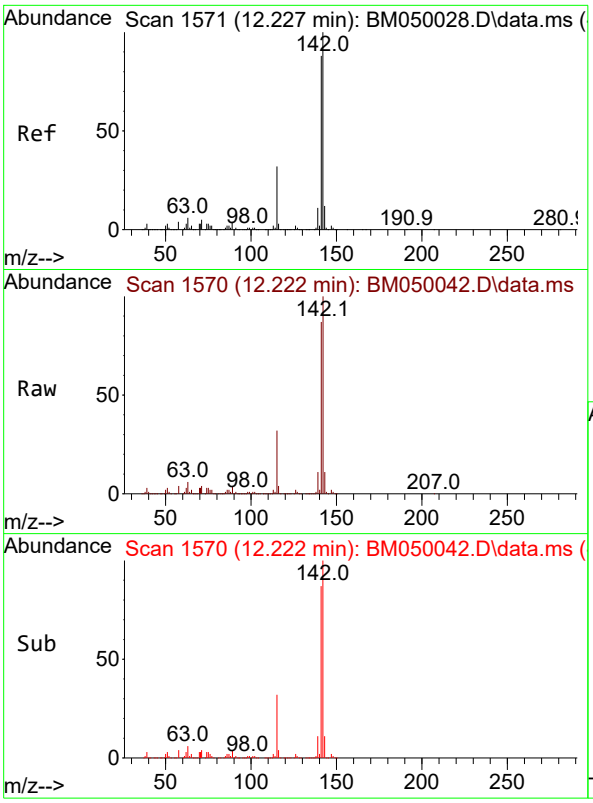


#36
4-Chloro-3-methylphenol
Concen: 41.443 ng
RT: 11.863 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion:107 Resp: 609124

Ion	Ratio	Lower	Upper
107	100		
144	28.6	23.8	35.6
142	88.4	71.9	107.9



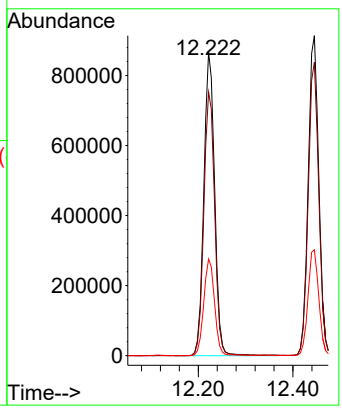


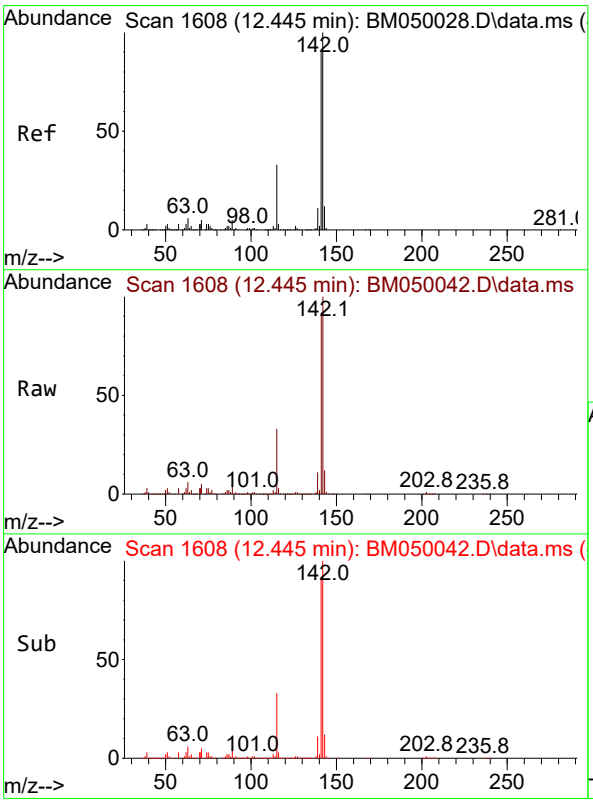
#37
2-Methylnaphthalene
Concen: 42.175 ng
RT: 12.222 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 1367845

Ion	Ratio	Lower	Upper
142	100		
141	86.8	70.4	105.6
115	31.8	25.4	38.2

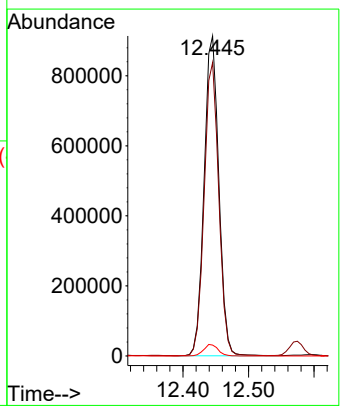


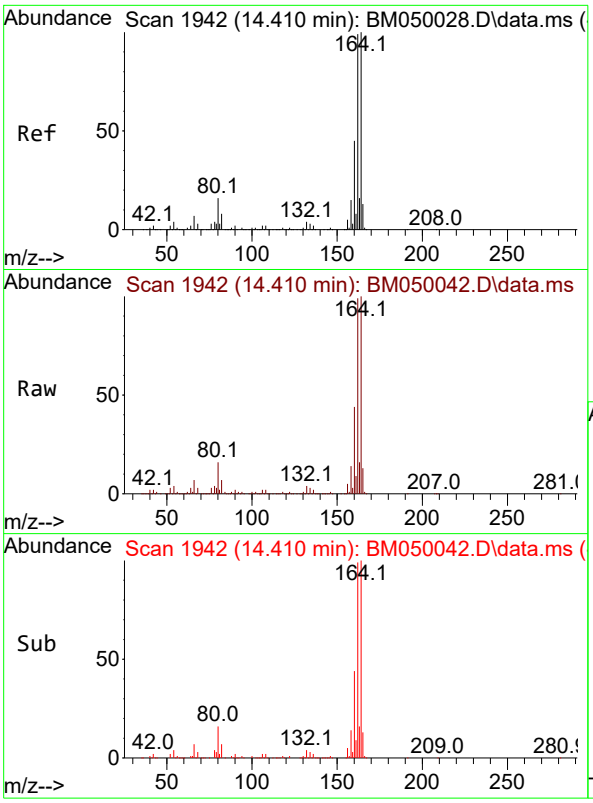


#38
1-Methylnaphthalene
Concen: 41.470 ng
RT: 12.445 min Scan# 1608
Delta R.T. 0.000 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion:142 Resp: 1423348

Ion	Ratio	Lower	Upper
142	100		
141	91.6	72.1	108.1
116	3.4	2.7	4.1



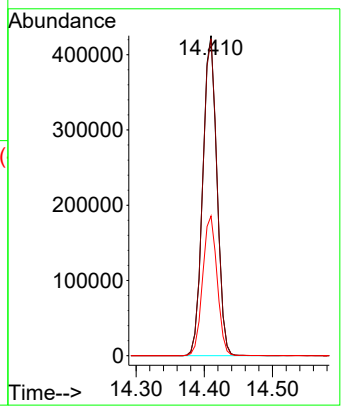


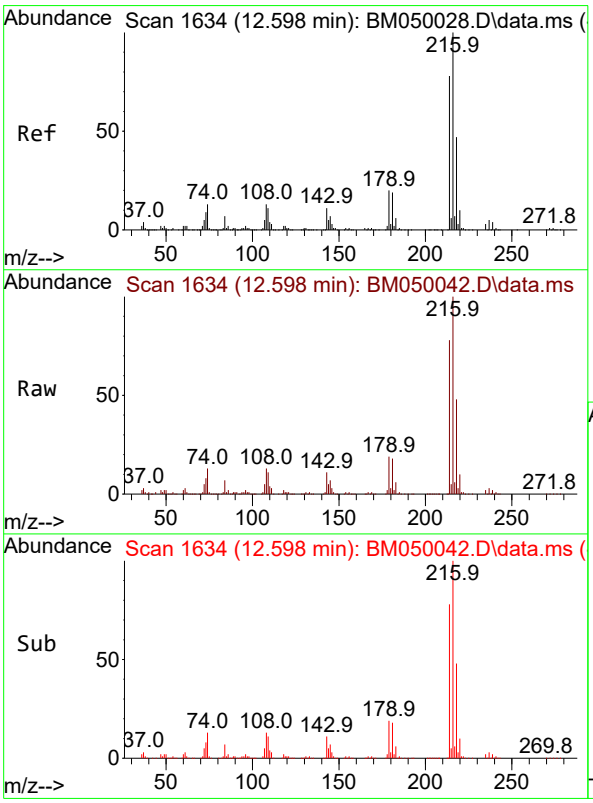
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 612937

Ion	Ratio	Lower	Upper
164	100		
162	99.1	79.4	119.0
160	43.6	36.2	54.4

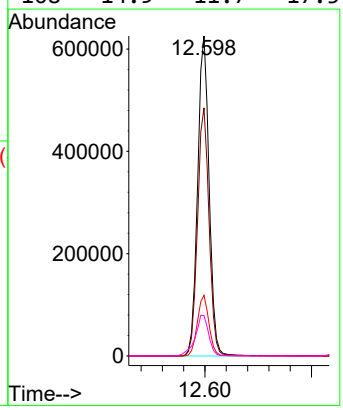


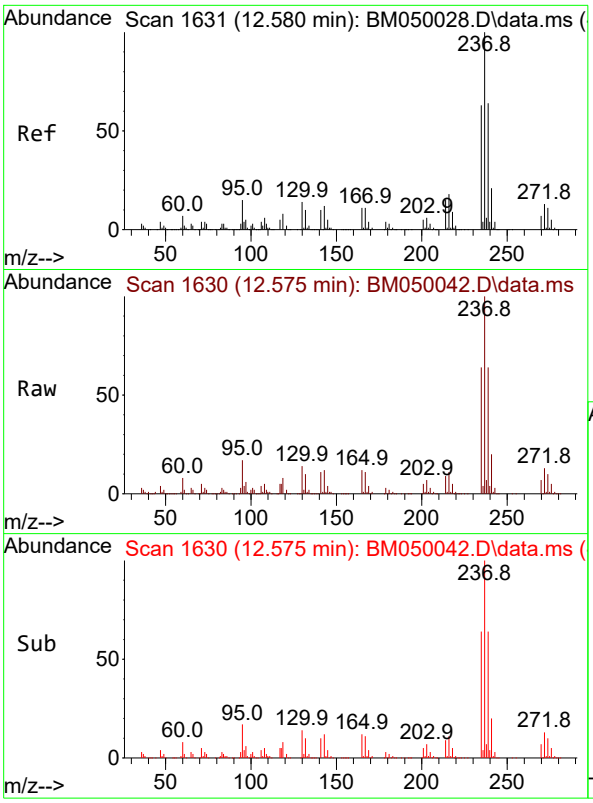


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.143 ng
RT: 12.598 min Scan# 1634
Delta R.T. 0.000 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion:216 Resp: 936632

Ion	Ratio	Lower	Upper
216	100		
214	78.0	62.3	93.5
179	19.1	15.4	23.0
108	14.9	11.7	17.5



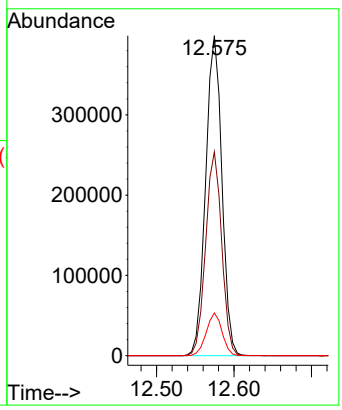


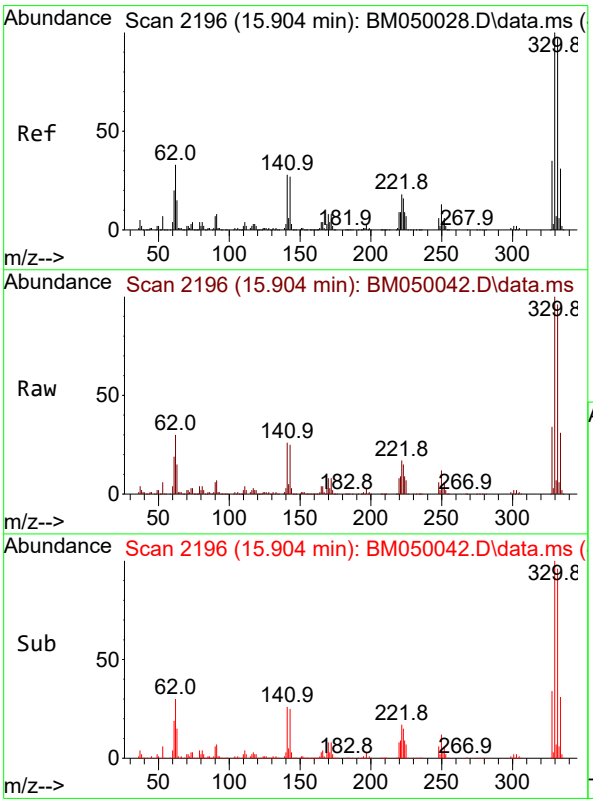
#41
Hexachlorocyclopentadiene
Concen: 44.677 ng
RT: 12.575 min Scan# 1
Delta R.T. -0.005 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 579325

Ion	Ratio	Lower	Upper
237	100		
235	63.7	42.9	82.9
272	13.4	0.0	32.9

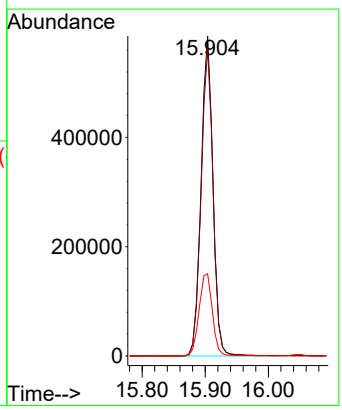


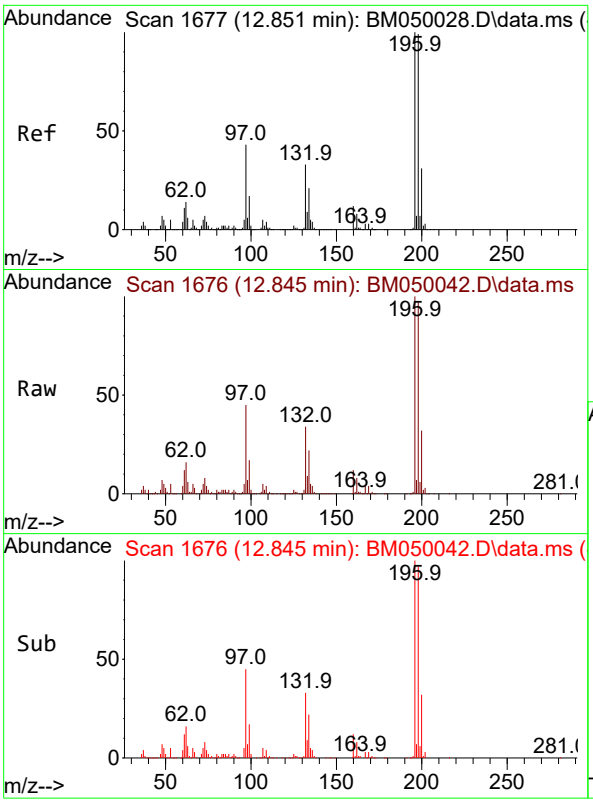


#42
2,4,6-Tribromophenol
Concen: 84.705 ng
RT: 15.904 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion:330 Resp: 767689

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.3	115.9
141	28.7	22.5	33.7



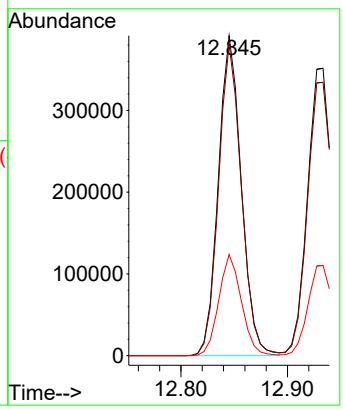


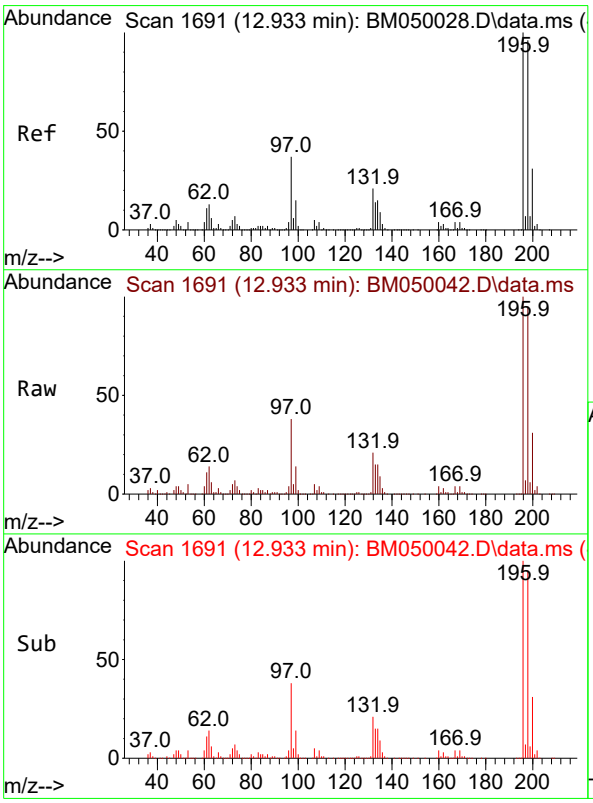
#43
2,4,6-Trichlorophenol
Concen: 43.603 ng
RT: 12.845 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 586802

Ion	Ratio	Lower	Upper
196	100		
198	97.3	79.0	118.6
200	31.6	25.1	37.7

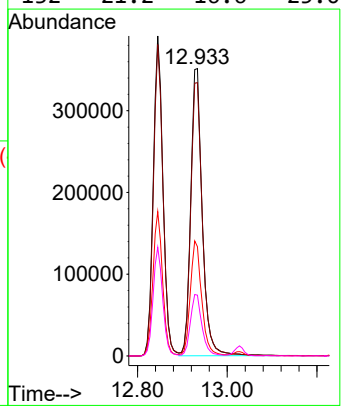


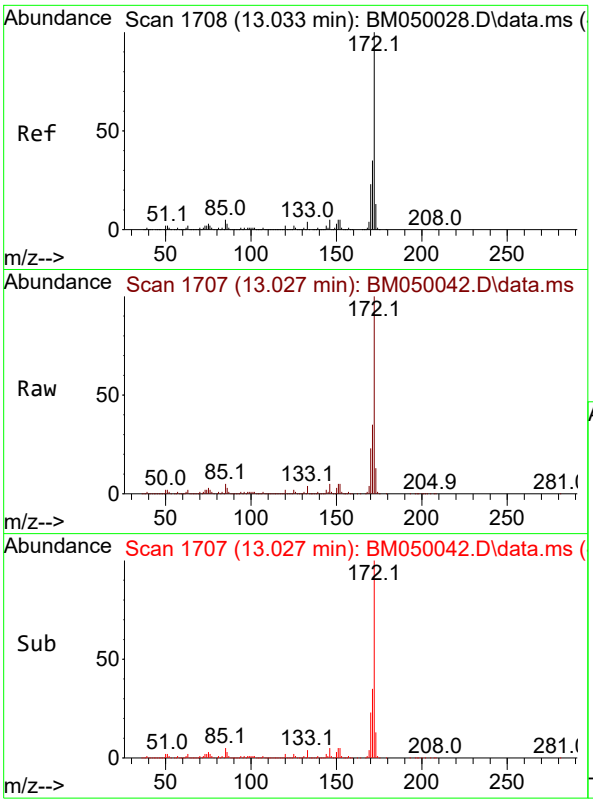


#44
2,4,5-Trichlorophenol
Concen: 43.411 ng
RT: 12.933 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion:196 Resp: 630001

Ion	Ratio	Lower	Upper
196	100		
198	95.1	76.7	115.1
97	38.1	30.1	45.1
132	21.2	16.6	25.0



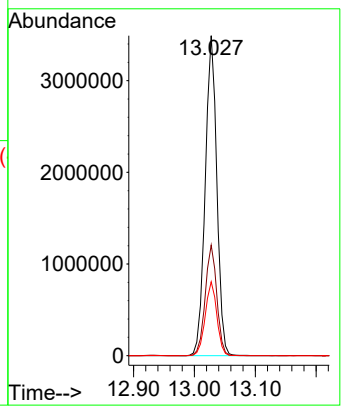


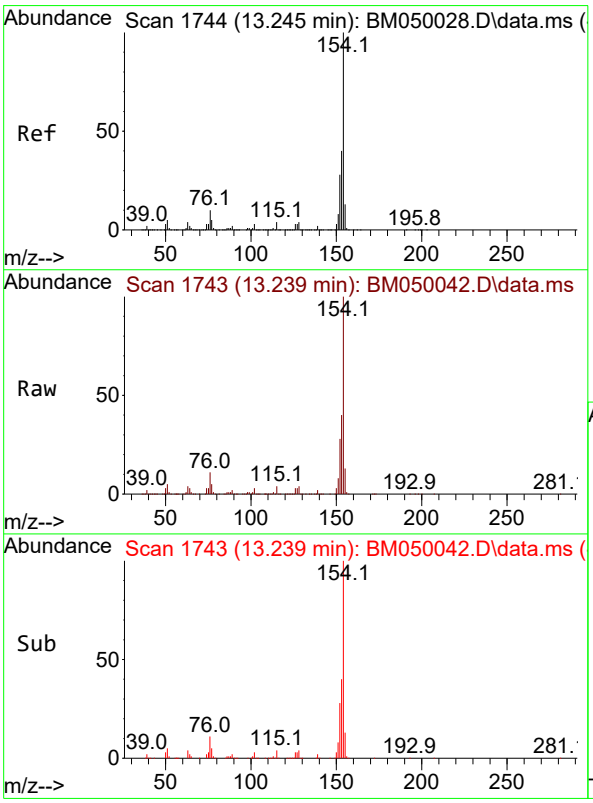
#45
2-Fluorobiphenyl
Concen: 89.333 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 4628613

Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.8	41.6
170	23.1	18.6	28.0

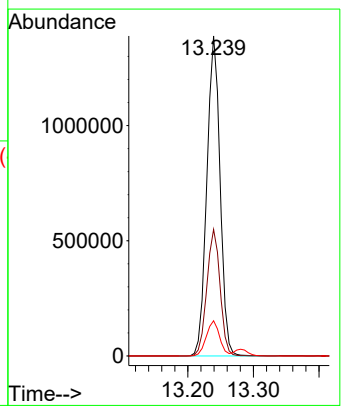


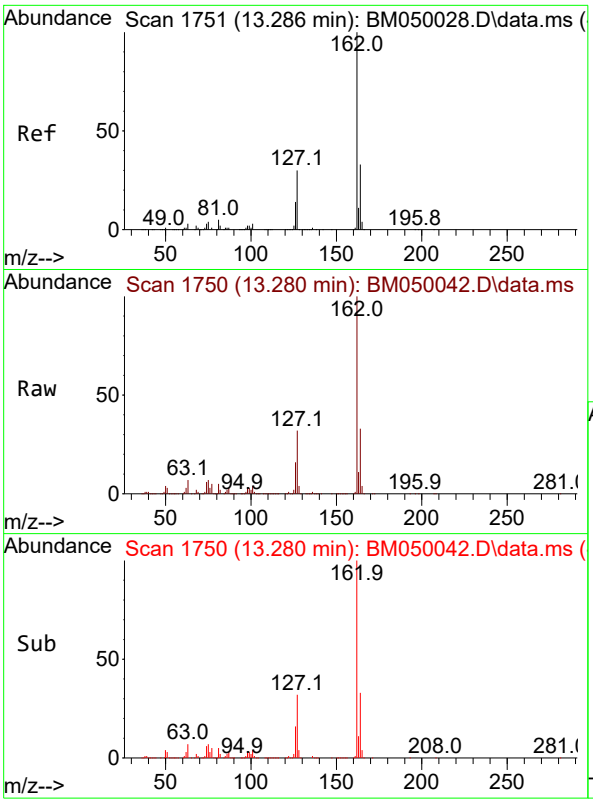


#46
1,1'-Biphenyl
Concen: 42.891 ng
RT: 13.239 min Scan# 1743
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion:154 Resp: 1954241

Ion	Ratio	Lower	Upper
154	100		
153	39.5	20.0	60.0
76	11.0	0.0	30.3



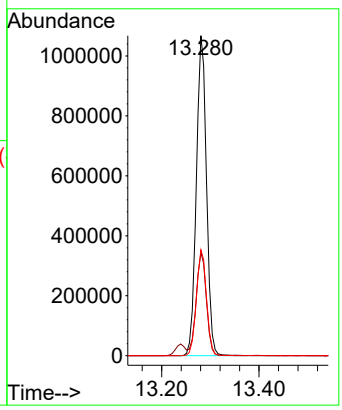


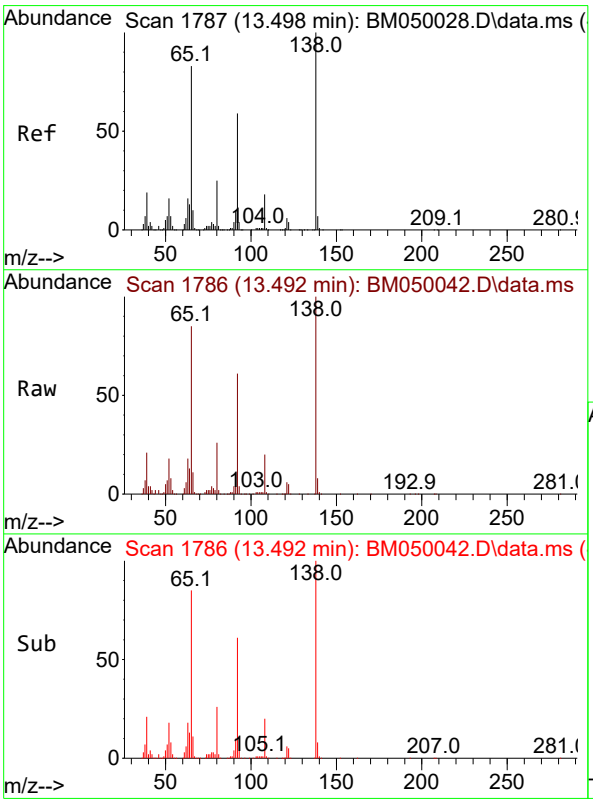
#47
2-Chloronaphthalene
Concen: 43.106 ng
RT: 13.280 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 1555505

Ion	Ratio	Lower	Upper
162	100		
127	32.1	25.9	38.9
164	33.1	26.6	40.0

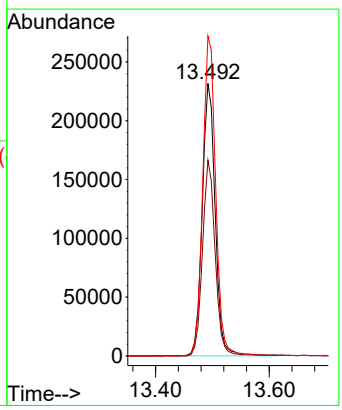


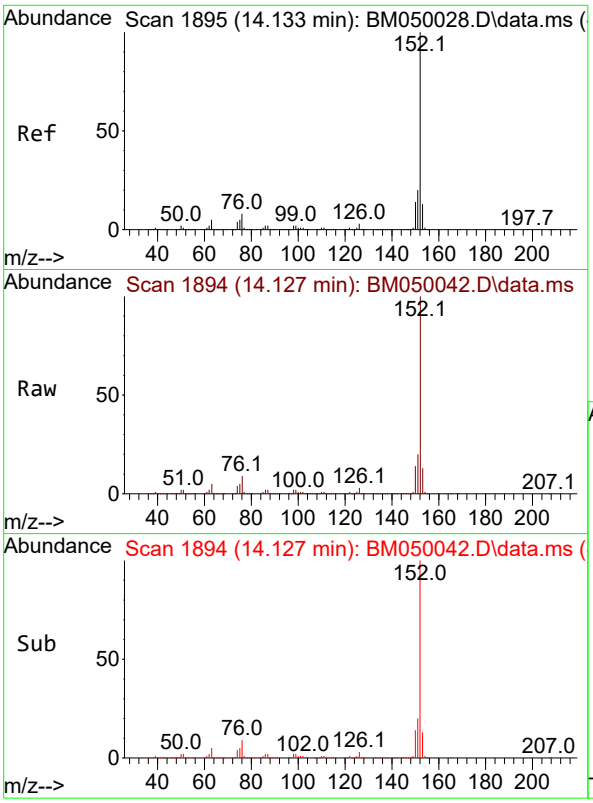


#48
2-Nitroaniline
Concen: 43.156 ng
RT: 13.492 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion: 65 Resp: 365502

Ion	Ratio	Lower	Upper
65	100		
92	71.8	57.1	85.7
138	117.5	97.0	145.4



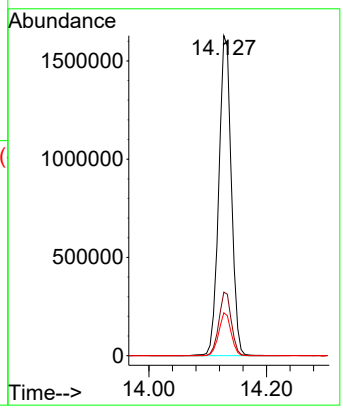


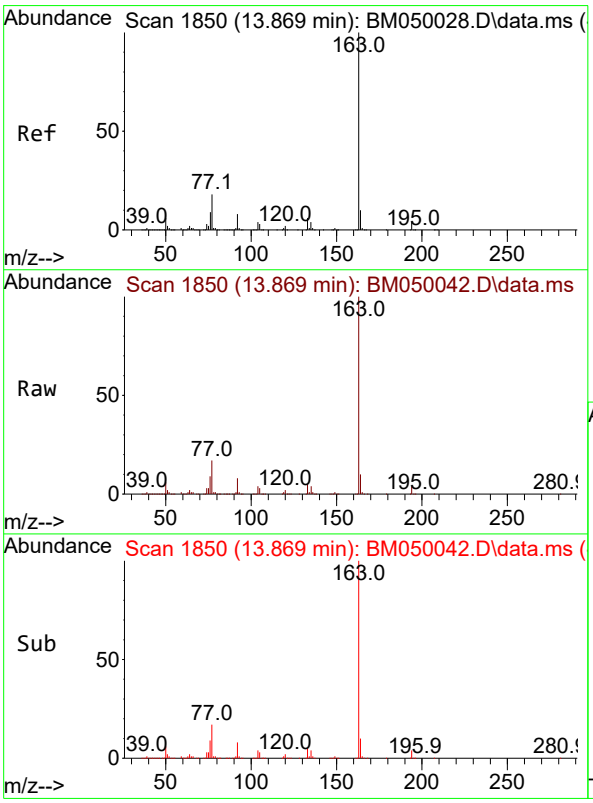
#49
Acenaphthylene
Concen: 42.382 ng
RT: 14.127 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 2411362

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.8
153	13.4	10.6	15.8

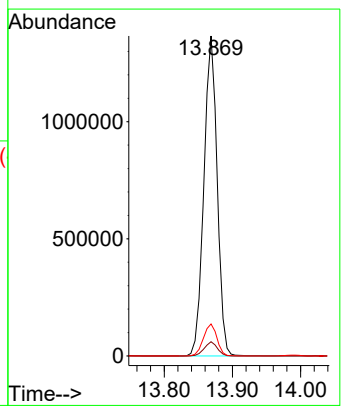


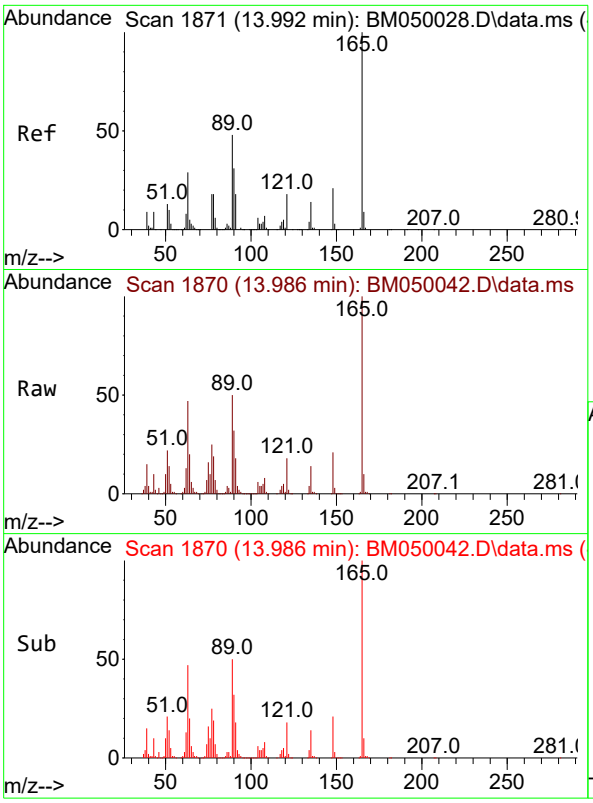


#50
Dimethylphthalate
Concen: 41.296 ng
RT: 13.869 min Scan# 1850
Delta R.T. 0.000 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion:163 Resp: 1849837

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	10.0	8.2	12.2



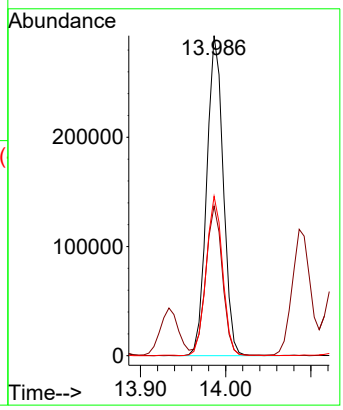


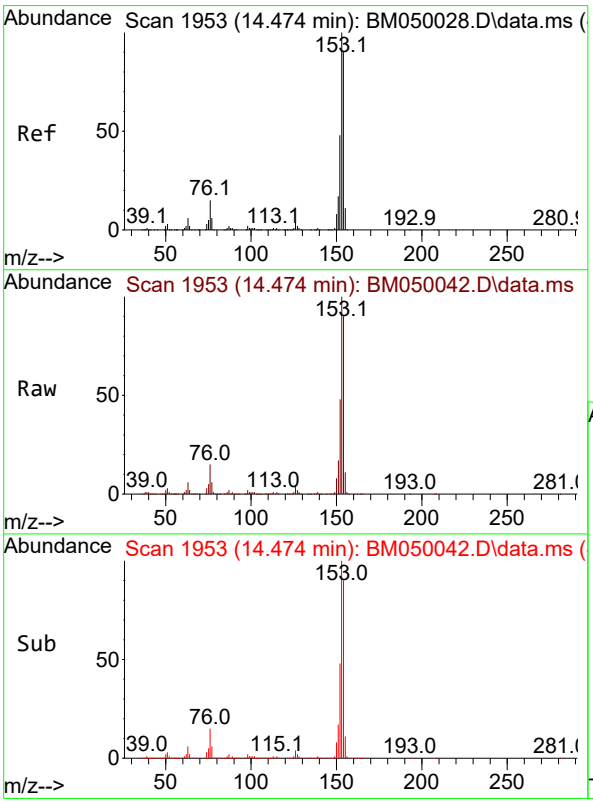
#51
2,6-Dinitrotoluene
Concen: 42.538 ng
RT: 13.986 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 394518

Ion	Ratio	Lower	Upper
165	100		
63	46.8	35.1	52.7
89	49.8	38.4	57.6

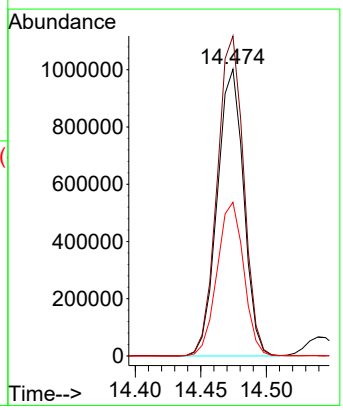


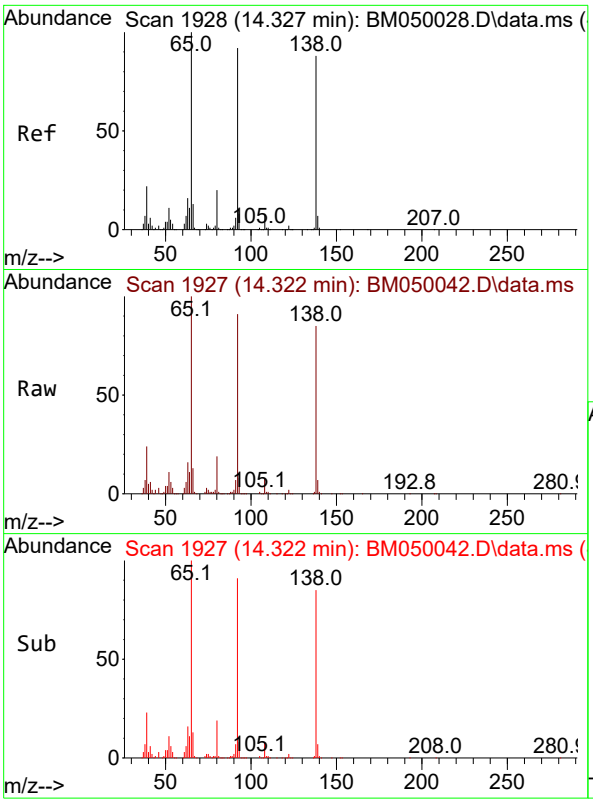


#52
Acenaphthene
Concen: 42.607 ng
RT: 14.474 min Scan# 1953
Delta R.T. 0.000 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion:154 Resp: 1403184

Ion	Ratio	Lower	Upper
154	100		
153	111.6	89.0	133.4
152	53.7	43.0	64.6



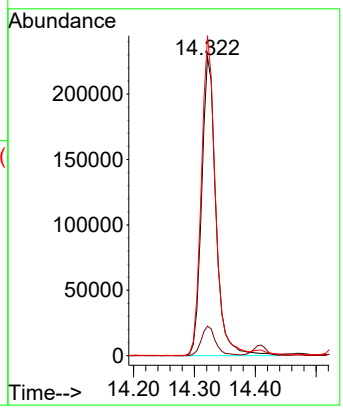


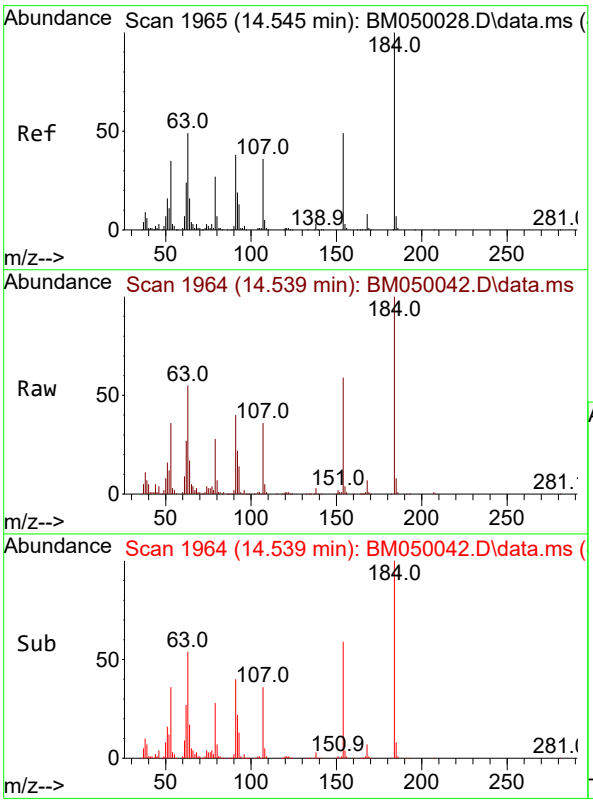
#53
3-Nitroaniline
Concen: 42.178 ng
RT: 14.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 373464

Ion	Ratio	Lower	Upper
138	100		
108	9.9	7.4	11.2
92	107.2	84.0	126.0

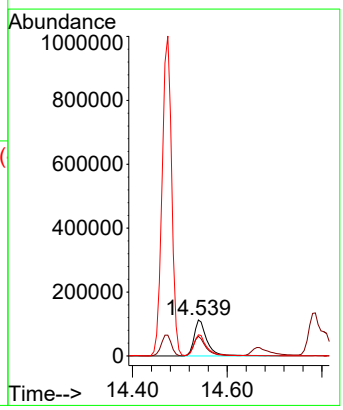


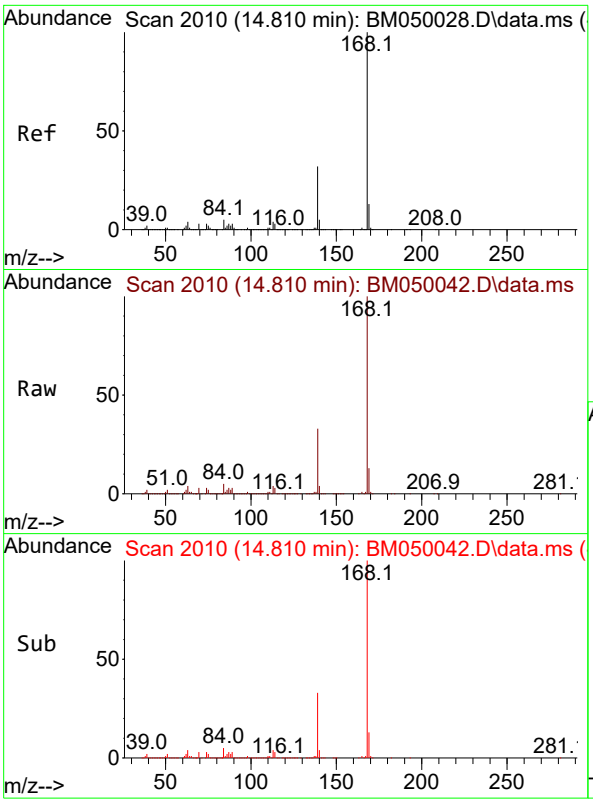


#54
2,4-Dinitrophenol
Concen: 38.974 ng
RT: 14.539 min Scan# 1964
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion:184 Resp: 212492

Ion	Ratio	Lower	Upper
184	100		
63	54.6	39.8	59.6
154	58.7	46.1	69.1



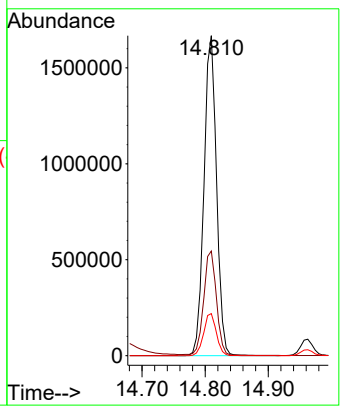


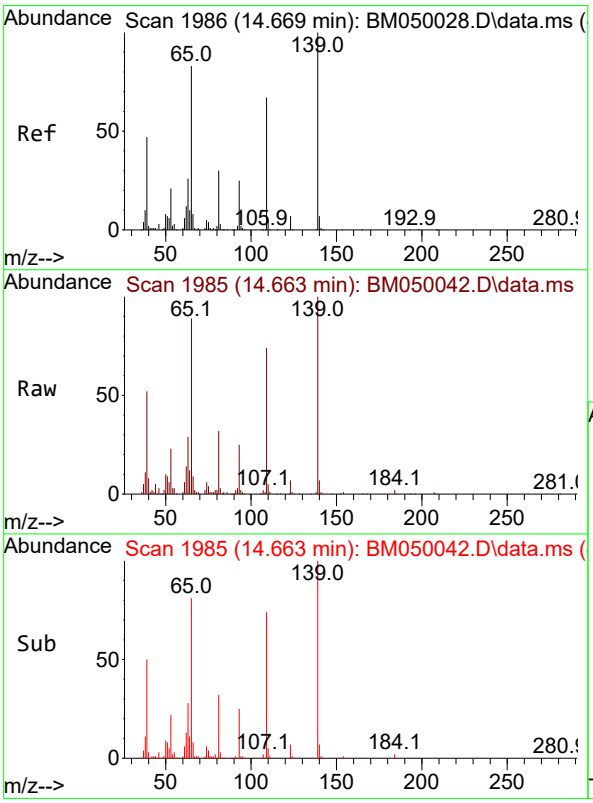
#55
Dibenzofuran
Concen: 41.978 ng
RT: 14.810 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 2300153

Ion	Ratio	Lower	Upper
168	100		
139	32.7	26.1	39.1
169	13.2	10.8	16.2

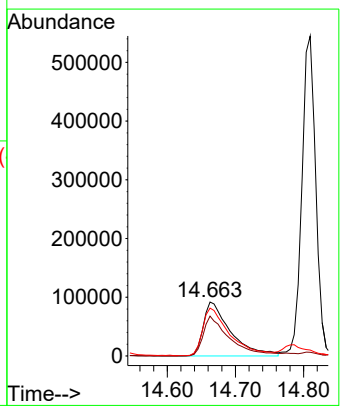


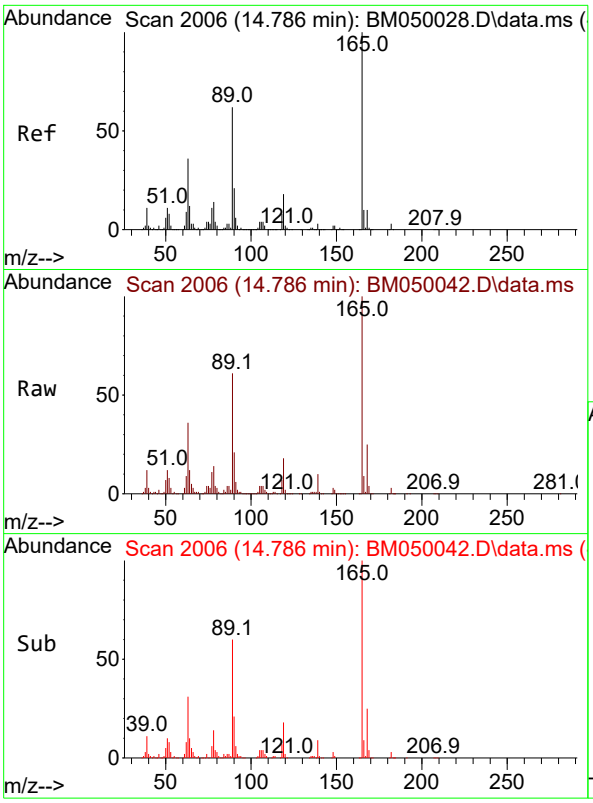


#56
4-Nitrophenol
Concen: 37.941 ng
RT: 14.663 min Scan# 1985
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion:139 Resp: 255109

Ion	Ratio	Lower	Upper
139	100		
109	73.9	47.0	87.0
65	88.7	64.3	104.3



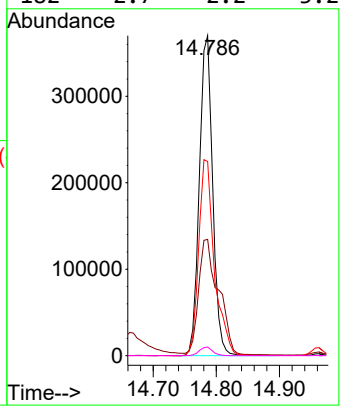


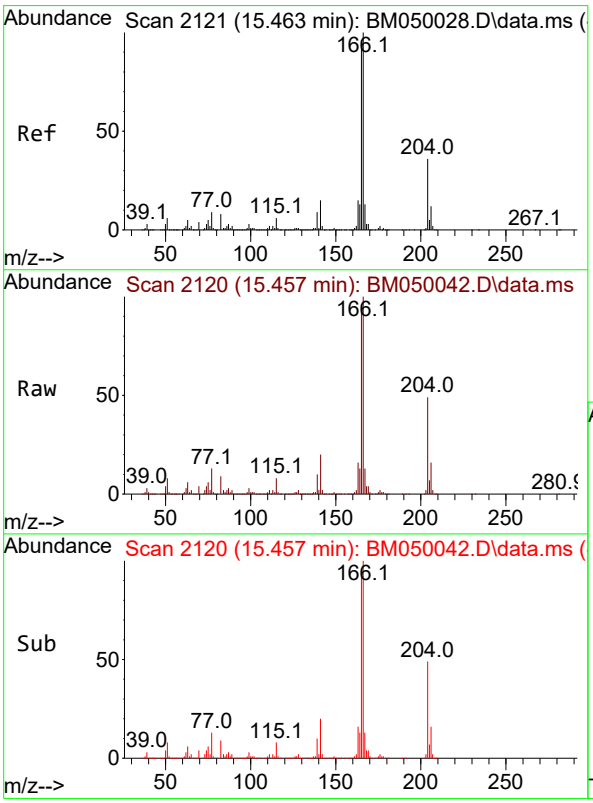
#57
2,4-Dinitrotoluene
Concen: 42.356 ng
RT: 14.786 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 542807

Ion	Ratio	Lower	Upper
165	100		
63	36.4	29.0	43.6
89	60.7	49.4	74.2
182	2.7	2.2	3.2

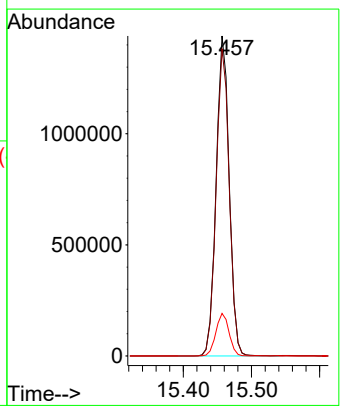


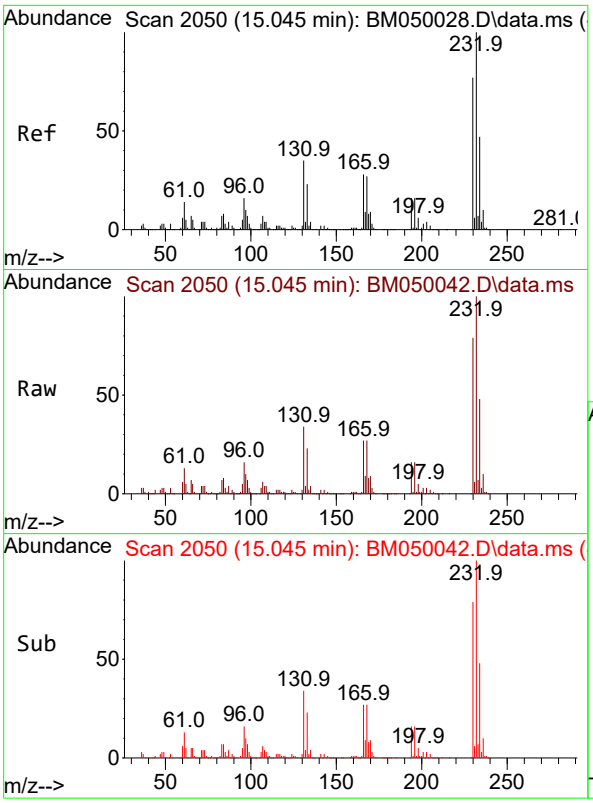


#58
Fluorene
Concen: 42.839 ng
RT: 15.457 min Scan# 2120
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion:166 Resp: 1921347

Ion	Ratio	Lower	Upper
166	100		
165	96.1	76.6	115.0
167	13.3	10.6	16.0



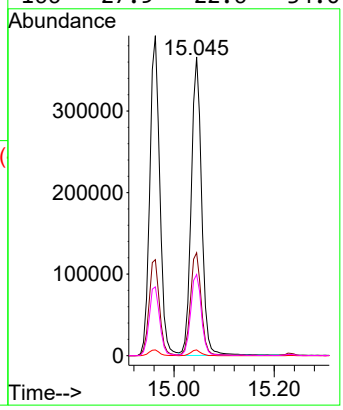


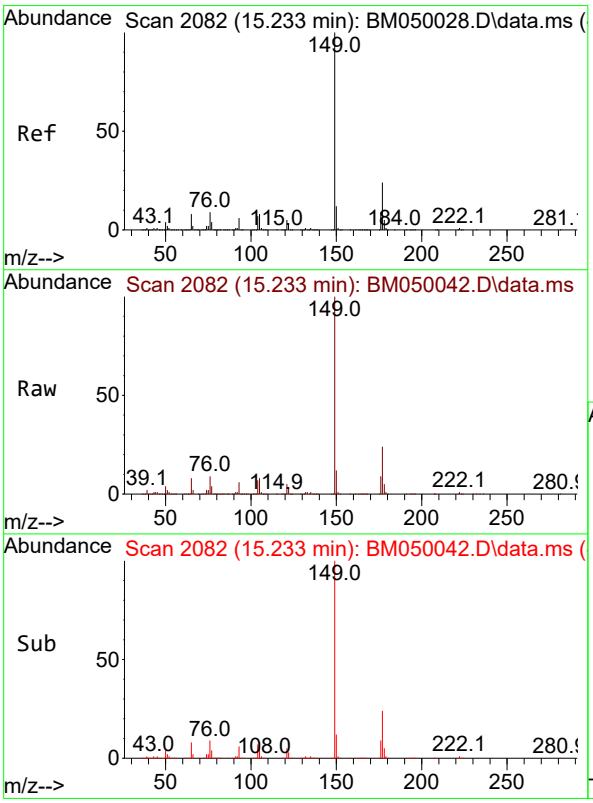
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.972 ng
RT: 15.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 527254

Ion	Ratio	Lower	Upper
232	100		
131	35.6	28.2	42.4
130	1.9	1.5	2.3
166	27.9	22.6	34.0

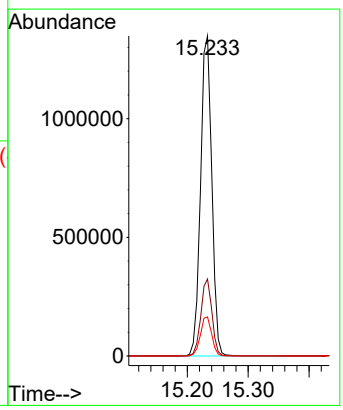


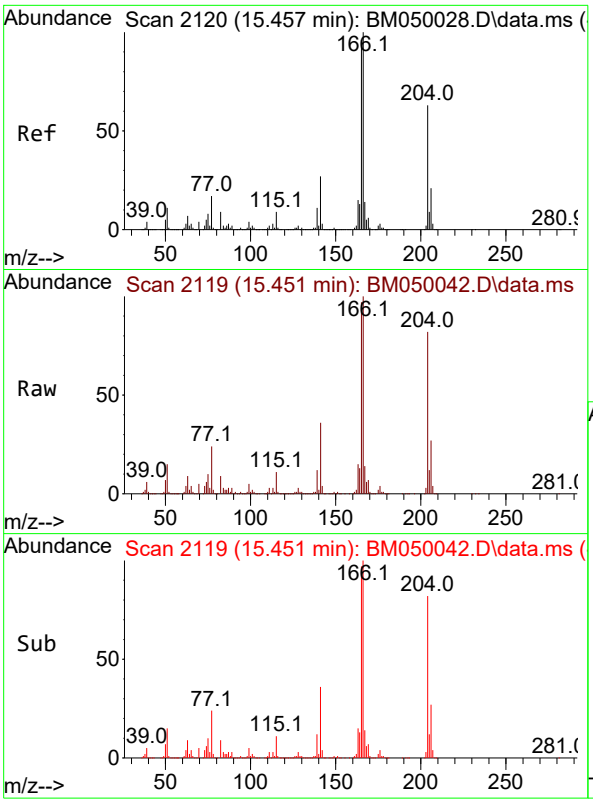


#60
Diethylphthalate
Concen: 41.031 ng
RT: 15.233 min Scan# 2082
Delta R.T. 0.000 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion:149 Resp: 1731827

Ion	Ratio	Lower	Upper
149	100		
177	24.0	19.1	28.7
150	12.2	9.6	14.4



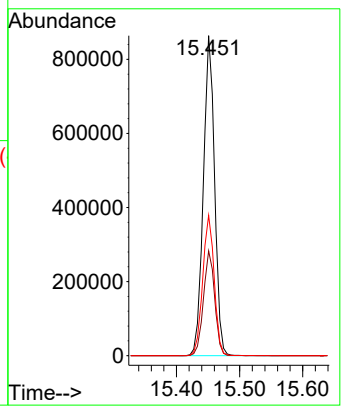


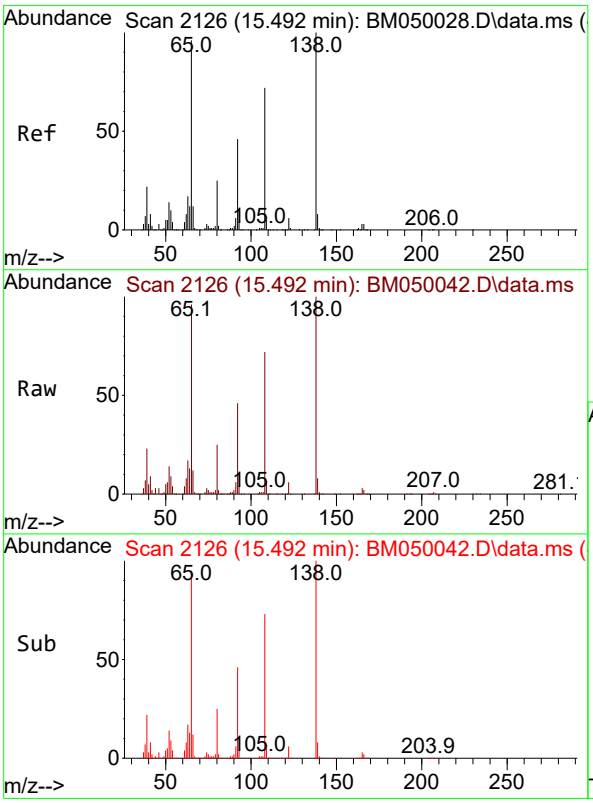
#61
4-Chlorophenyl-phenylether
Concen: 43.504 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 1071699

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.3	39.5
141	43.8	34.0	51.0

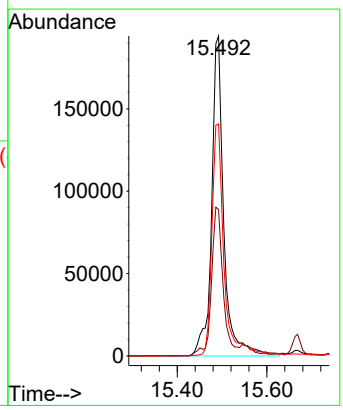


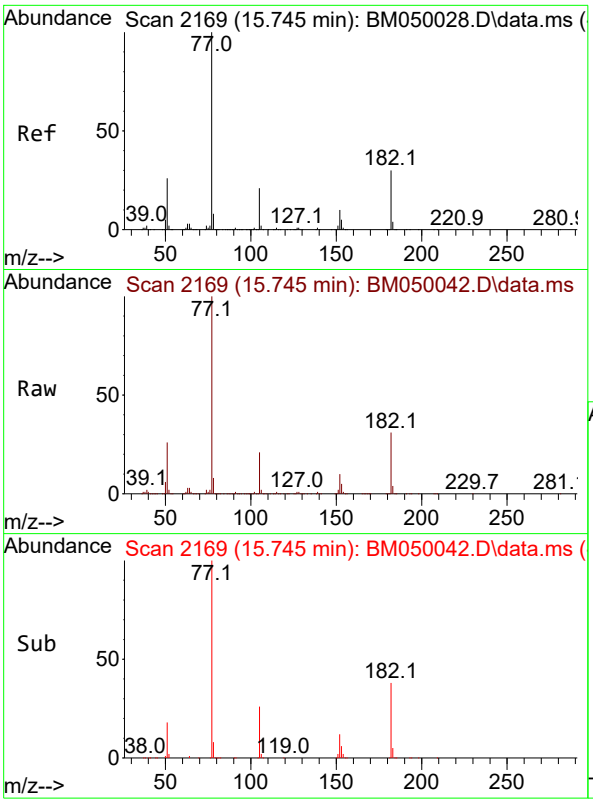


#62
4-Nitroaniline
Concen: 42.874 ng
RT: 15.492 min Scan# 2126
Delta R.T. 0.000 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion:138 Resp: 366264

Ion	Ratio	Lower	Upper
138	100		
92	45.8	25.9	65.9
108	72.5	52.4	92.4



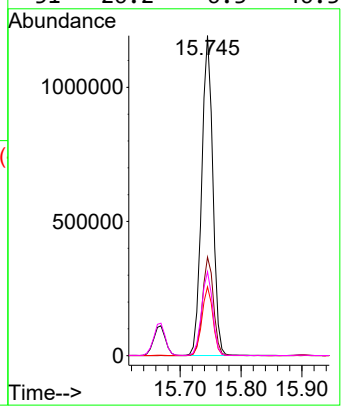


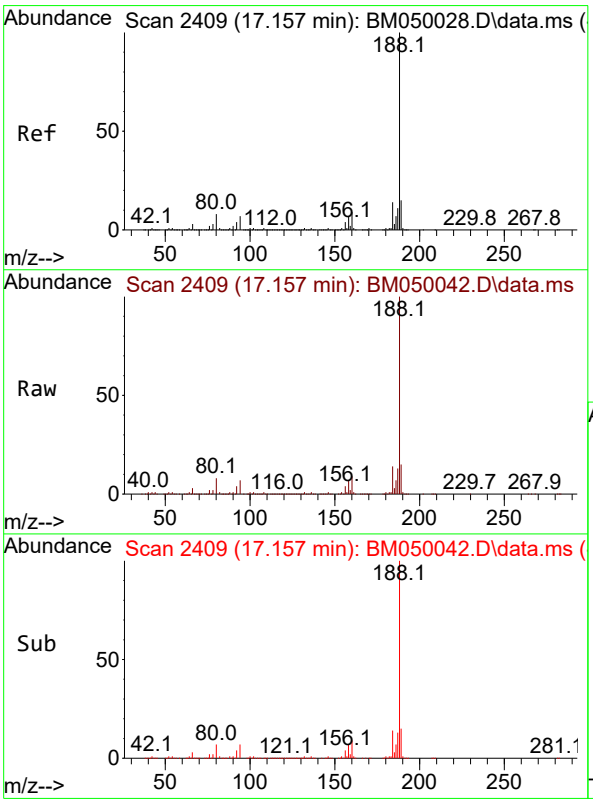
#63
Azobenzene
Concen: 42.950 ng
RT: 15.745 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 1519297

Ion	Ratio	Lower	Upper
77	100		
182	30.8	10.5	50.5
105	21.5	1.1	41.1
51	26.2	6.3	46.3

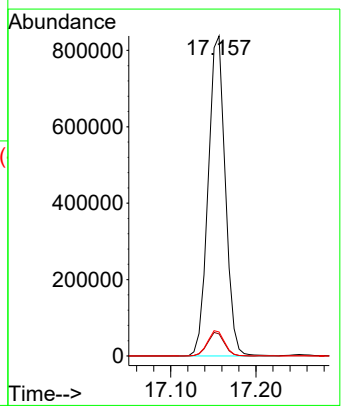


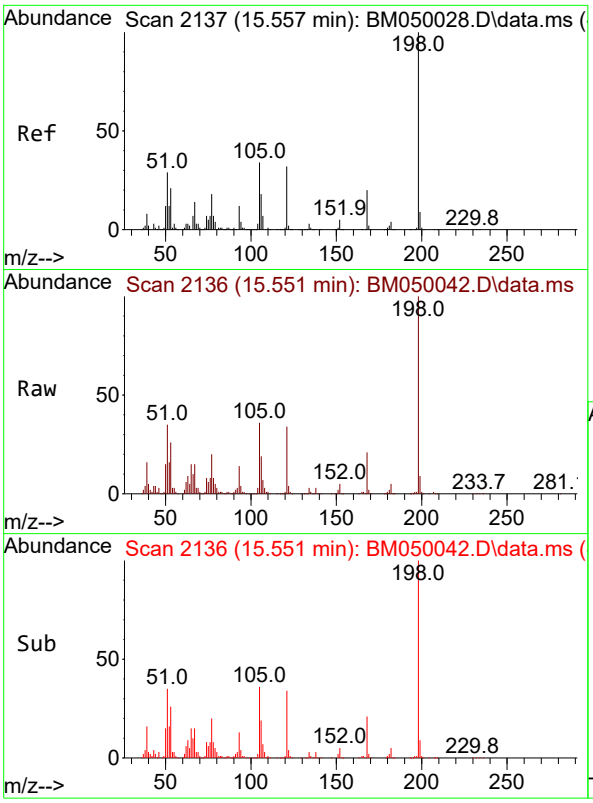


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion:188 Resp: 1168552

Ion	Ratio	Lower	Upper
188	100		
94	6.9	5.7	8.5
80	7.5	6.2	9.4



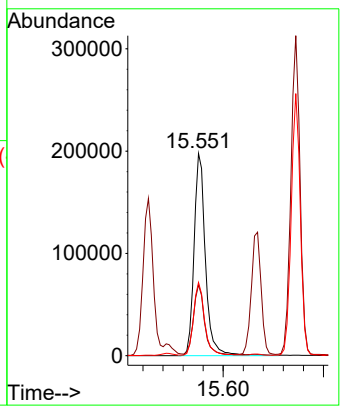


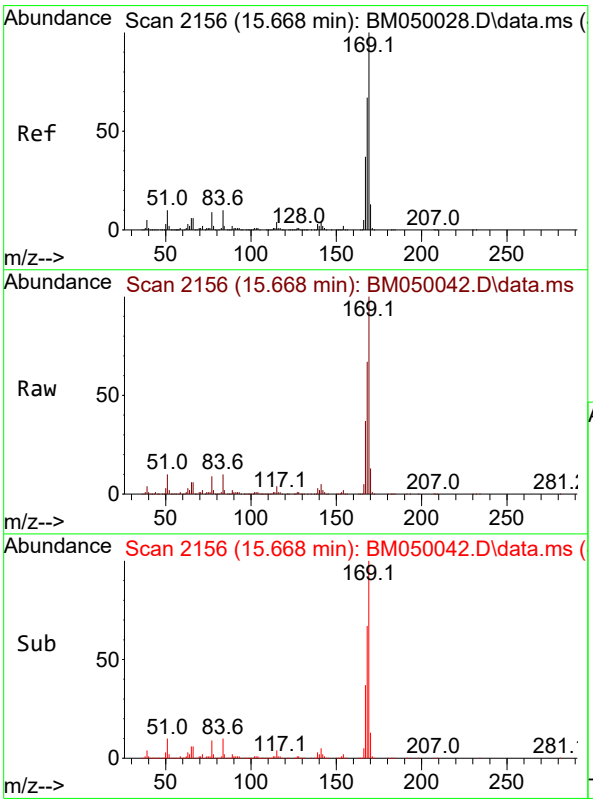
#65
4,6-Dinitro-2-methylphenol
Concen: 42.498 ng
RT: 15.551 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 310863

Ion	Ratio	Lower	Upper
198	100		
51	35.0	10.4	50.4
105	36.2	14.6	54.6

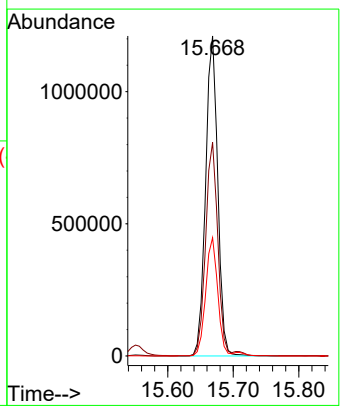


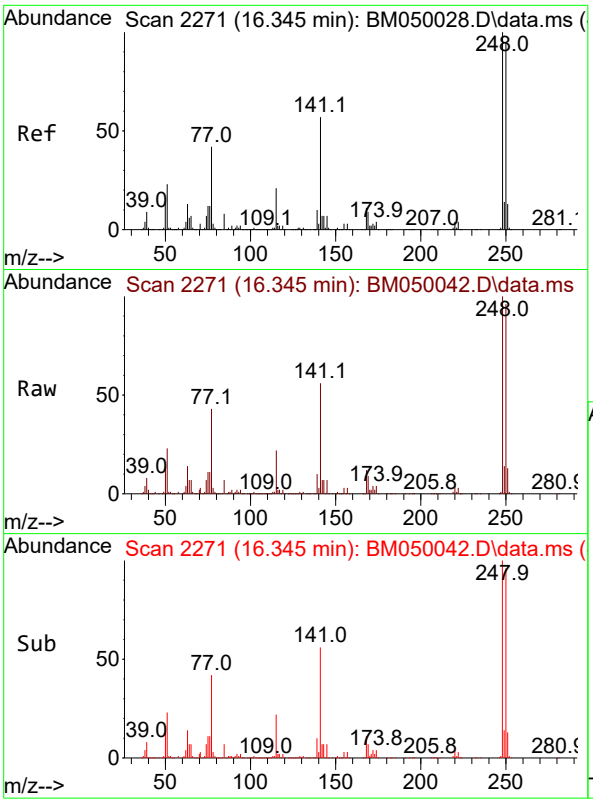


#66
n-Nitrosodiphenylamine
Concen: 43.501 ng
RT: 15.668 min Scan# 2156
Delta R.T. 0.000 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion:169 Resp: 1560967

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.4	80.2
167	37.0	29.4	44.0



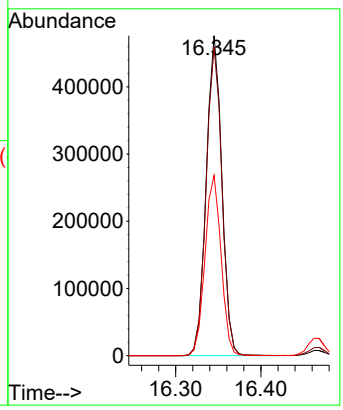


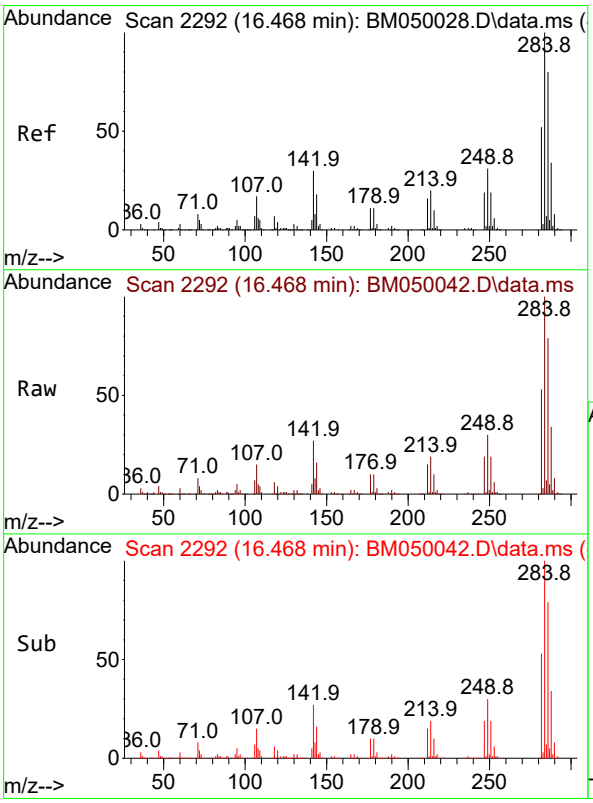
#67
4-Bromophenyl-phenylether
Concen: 43.021 ng
RT: 16.345 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 607925

Ion	Ratio	Lower	Upper
248	100		
250	96.4	76.2	114.2
141	56.4	45.9	68.9

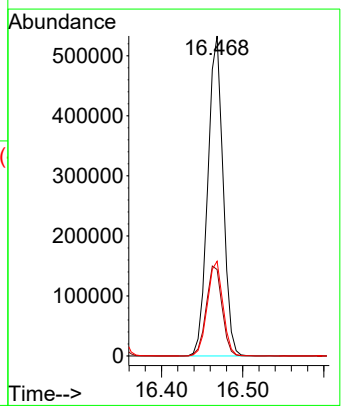


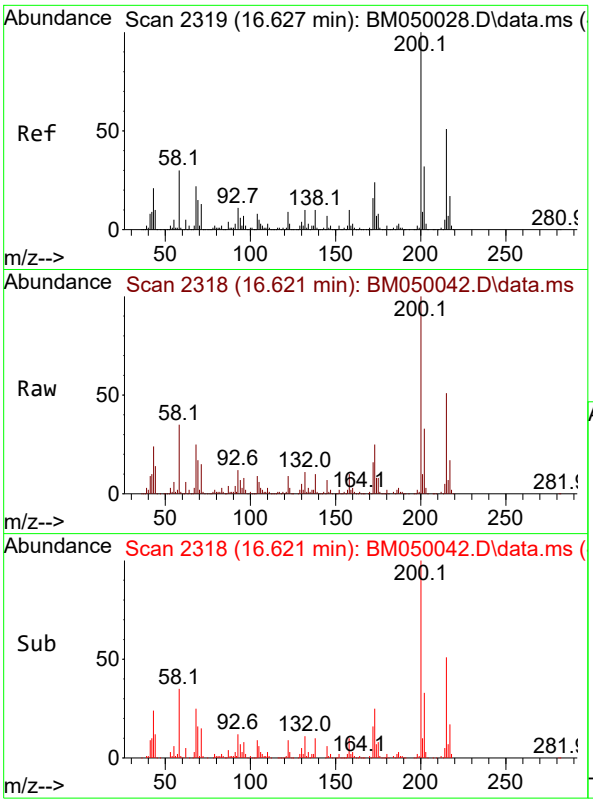


#68
Hexachlorobenzene
Concen: 42.699 ng
RT: 16.468 min Scan# 2292
Delta R.T. 0.000 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion:284 Resp: 695516

Ion	Ratio	Lower	Upper
284	100		
142	27.0	23.9	35.9
249	29.6	24.5	36.7



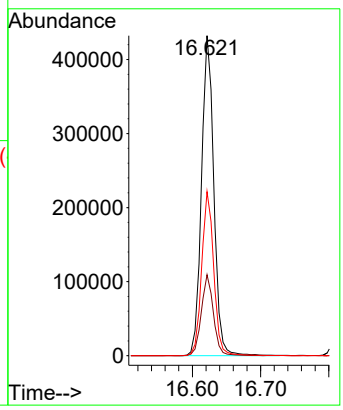


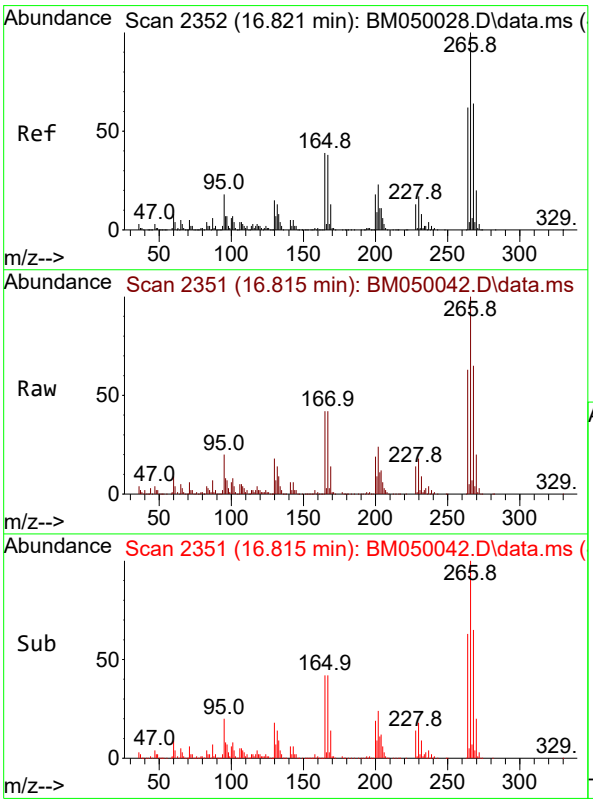
#69
Atrazine
Concen: 42.071 ng
RT: 16.621 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 544551

Ion	Ratio	Lower	Upper
200	100		
173	25.3	4.3	44.3
215	51.3	30.6	70.6

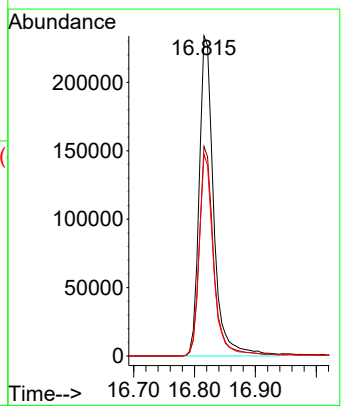


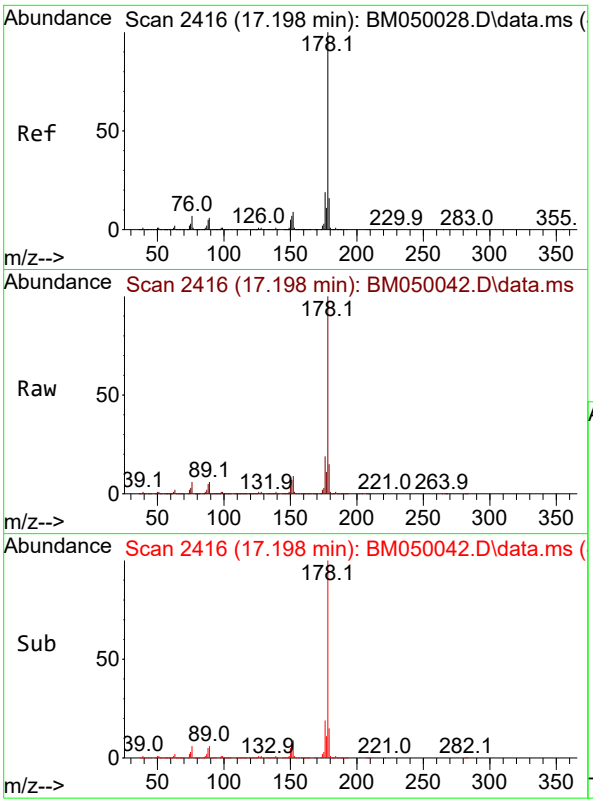


#70
Pentachlorophenol
Concen: 42.225 ng
RT: 16.815 min Scan# 2351
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion:266 Resp: 387154

Ion	Ratio	Lower	Upper
266	100		
268	65.5	51.2	76.8
264	63.0	49.6	74.4



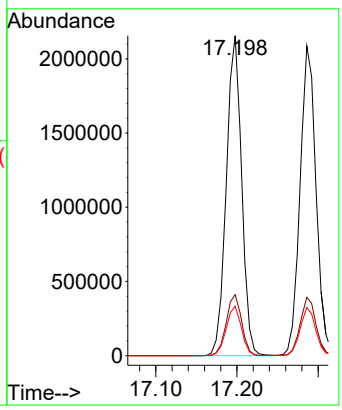


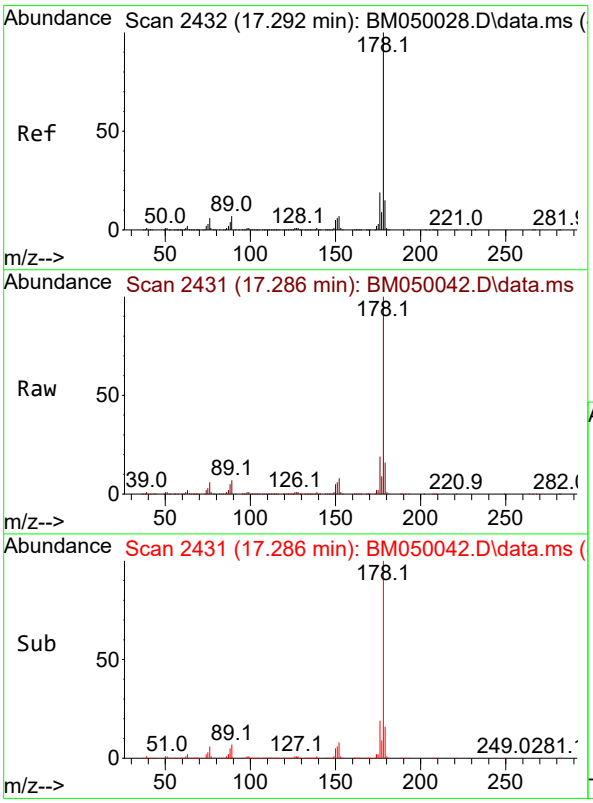
#71
Phenanthrene
Concen: 42.933 ng
RT: 17.198 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 2829602

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.4	12.4	18.6

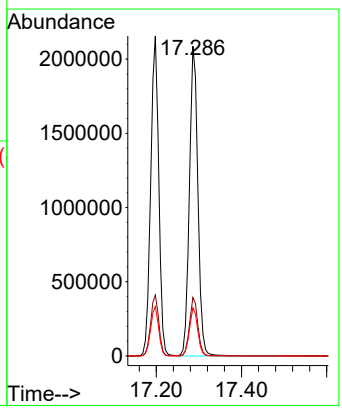


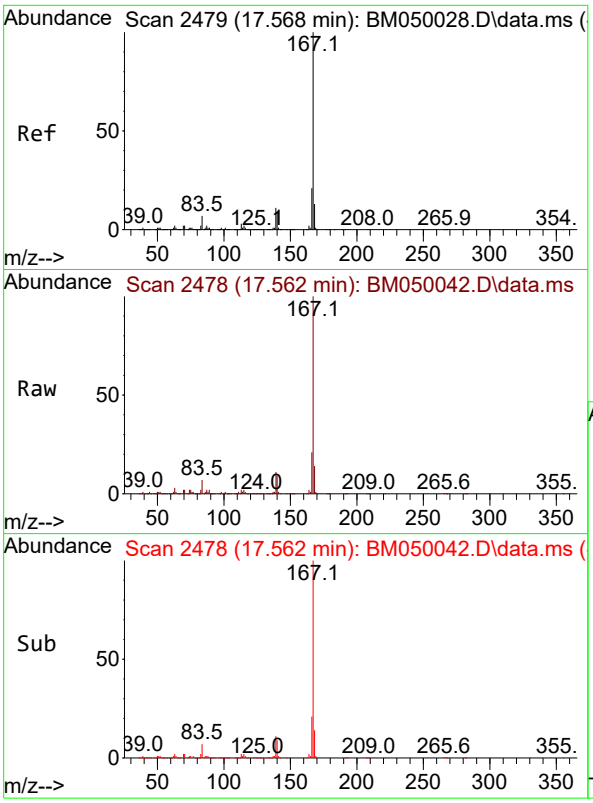


#72
Anthracene
Concen: 43.151 ng
RT: 17.286 min Scan# 2431
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion:178 Resp: 2878094

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	15.5	12.2	18.4



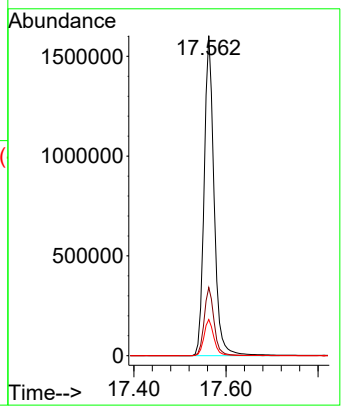


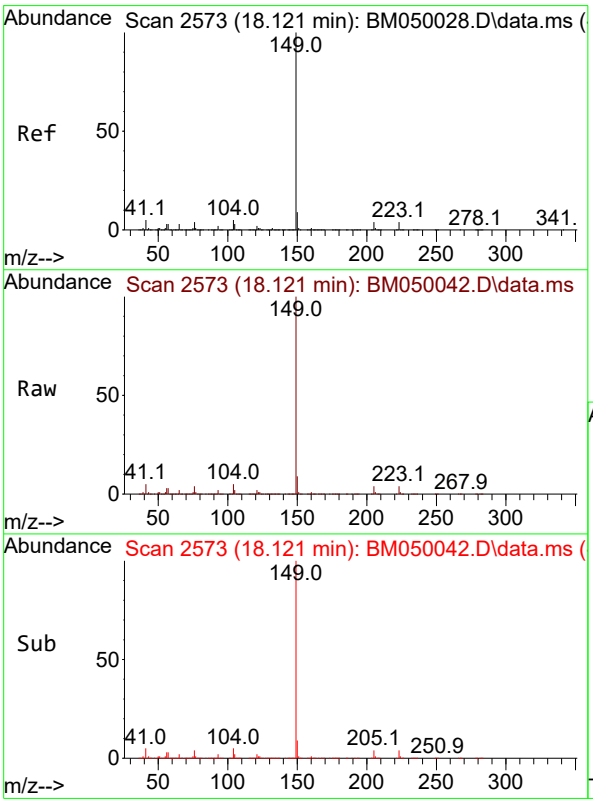
#73
Carbazole
Concen: 41.899 ng
RT: 17.562 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 2425018

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.2	25.8
139	11.3	9.0	13.6

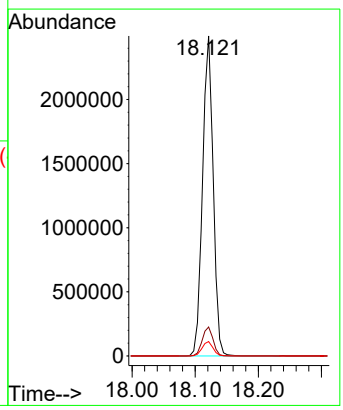


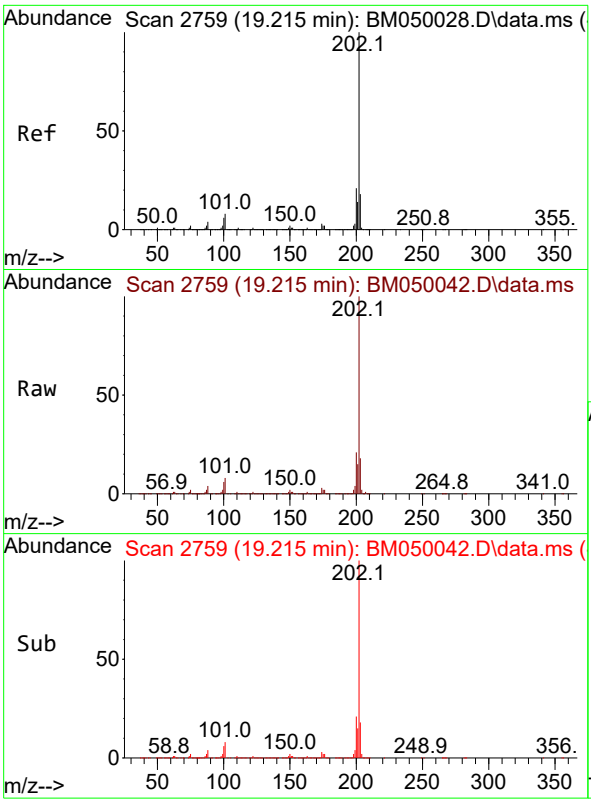


#74
Di-n-butylphthalate
Concen: 42.408 ng
RT: 18.121 min Scan# 2573
Delta R.T. 0.000 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion:149 Resp: 2922945

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	4.5	3.8	5.6



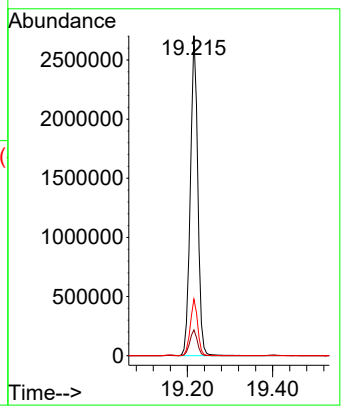


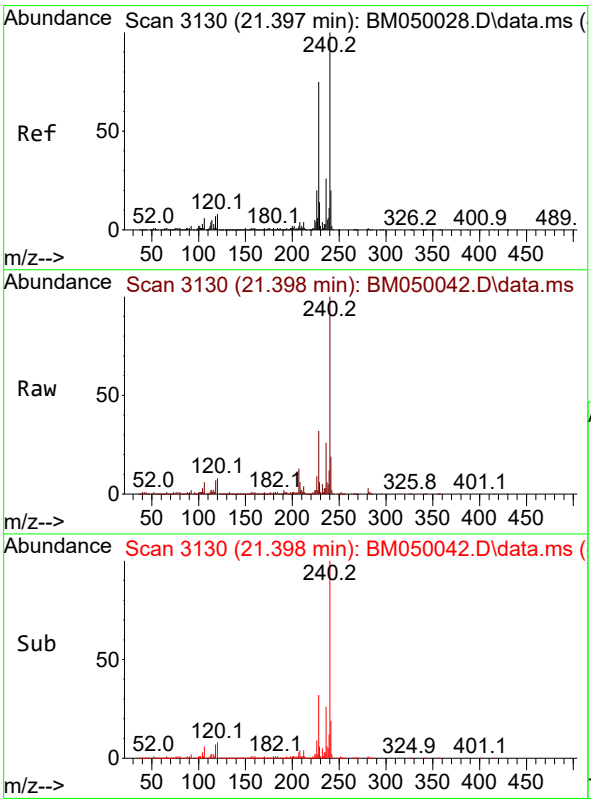
#75
Fluoranthene
Concen: 42.281 ng
RT: 19.215 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 3271721

Ion	Ratio	Lower	Upper
202	100		
101	8.1	0.0	28.0
203	17.7	0.0	37.7

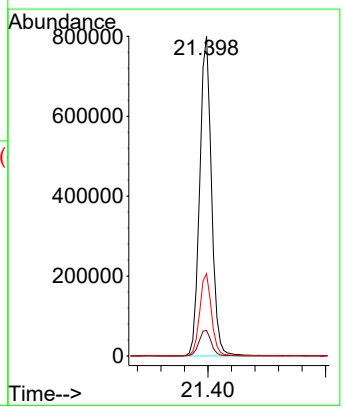


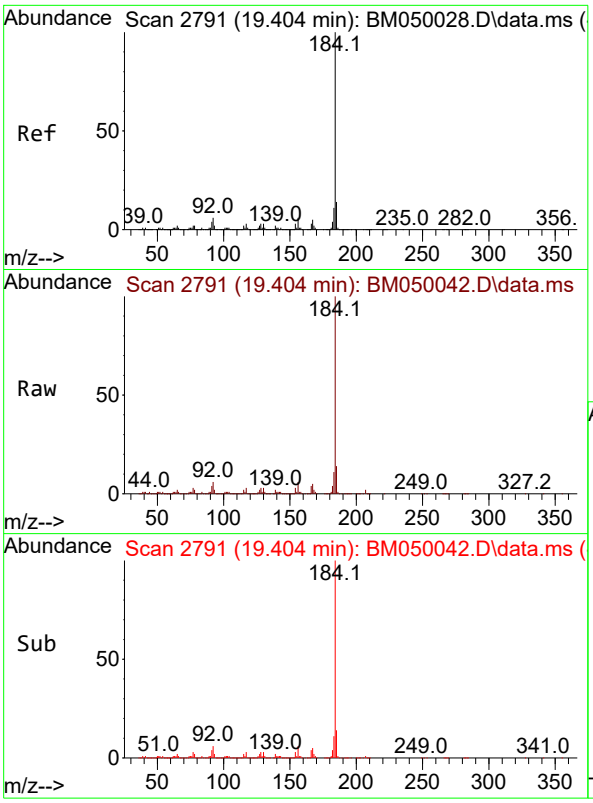


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.398 min Scan# 3130
Delta R.T. 0.001 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion:240 Resp: 1113697

Ion	Ratio	Lower	Upper
240	100		
120	8.0	6.5	9.7
236	25.7	20.9	31.3



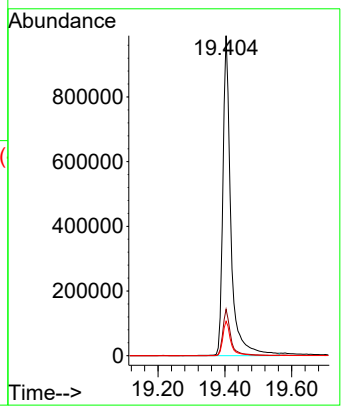


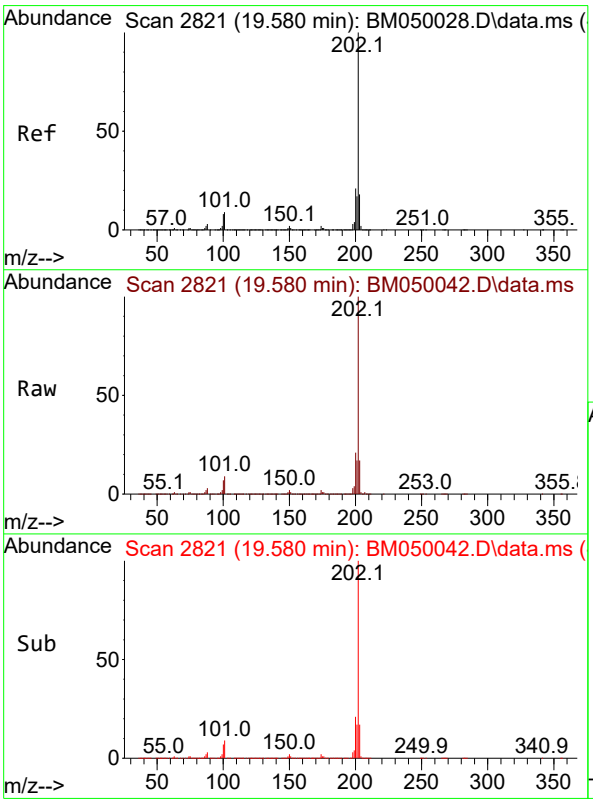
#77
Benzidine
Concen: 41.733 ng
RT: 19.404 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 1650938

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.5	17.3
183	10.8	8.9	13.3

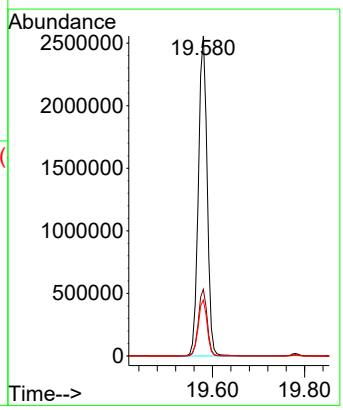


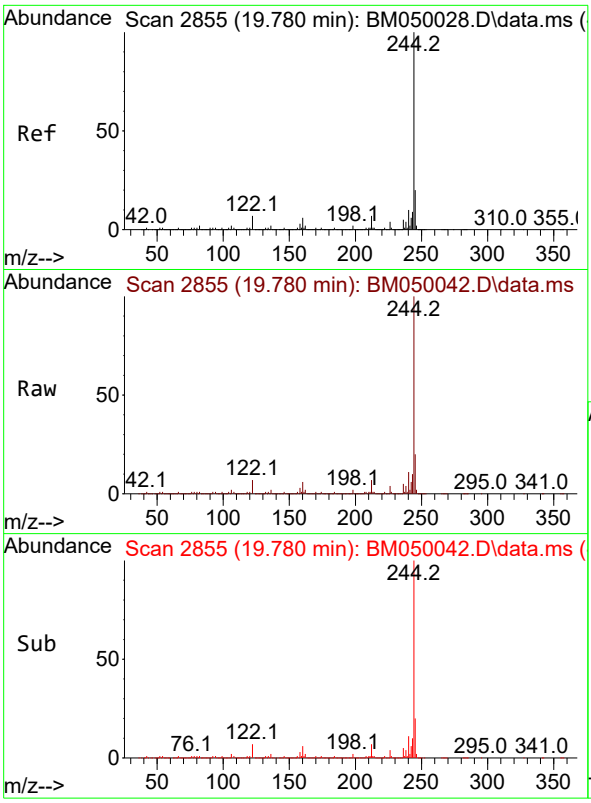


#78
Pyrene
Concen: 43.046 ng
RT: 19.580 min Scan# 2821
Delta R.T. 0.000 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion:202 Resp: 3366511

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.5	14.1	21.1



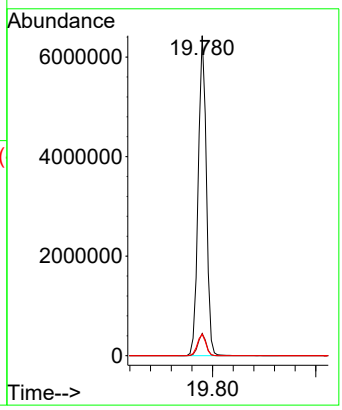


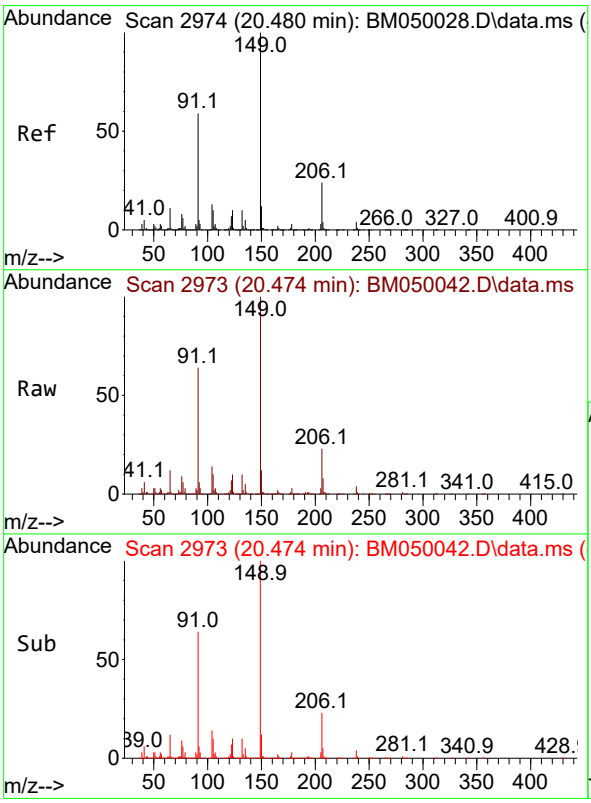
#79
Terphenyl-d14
Concen: 93.079 ng
RT: 19.780 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 7005412

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	6.6	5.6	8.4

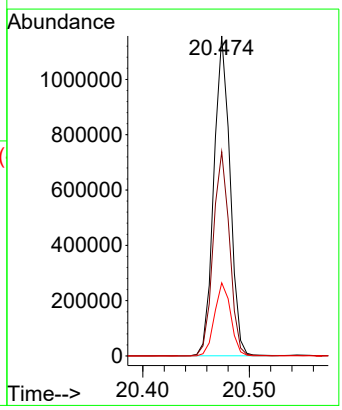


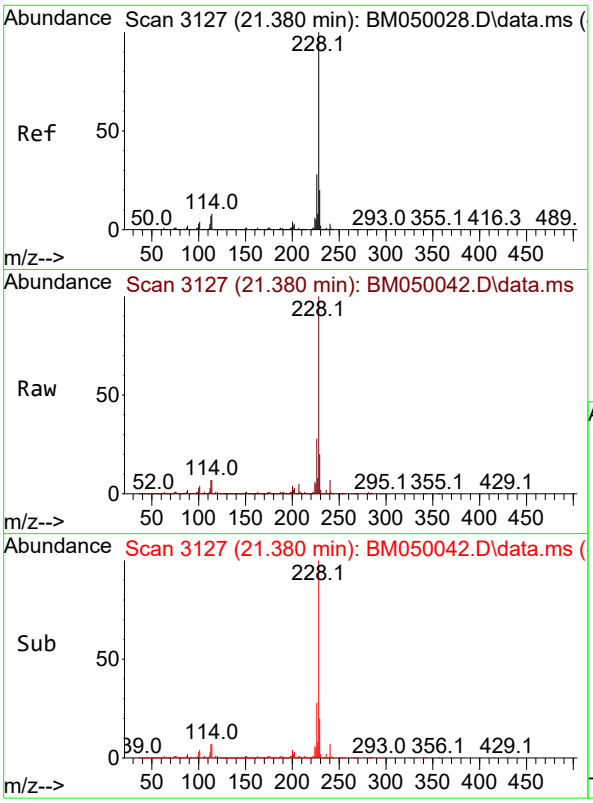


#80
Butylbenzylphthalate
Concen: 41.620 ng
RT: 20.474 min Scan# 2973
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion:149 Resp: 1219105

Ion	Ratio	Lower	Upper
149	100		
91	63.8	47.4	71.2
206	22.8	19.4	29.0



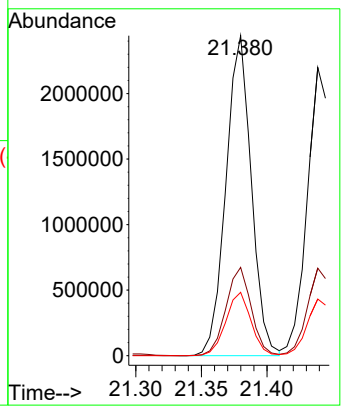


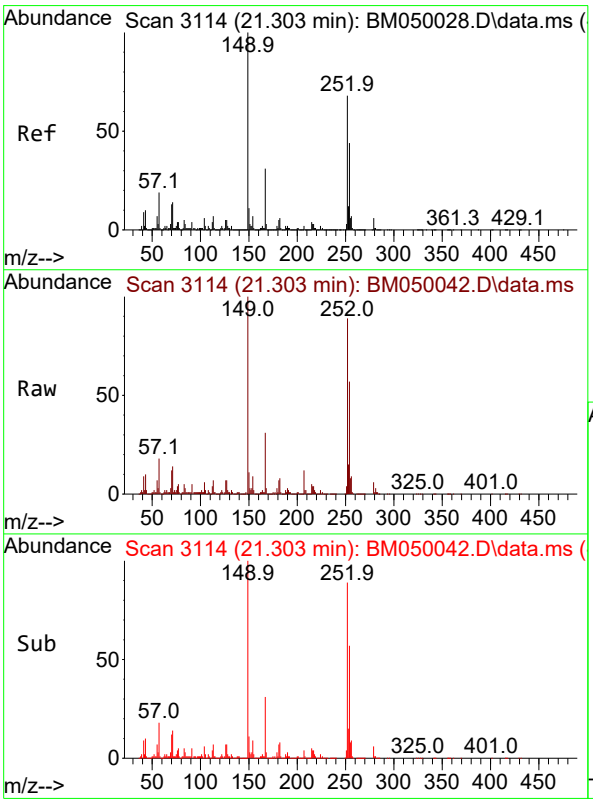
#81
Benzo(a)anthracene
Concen: 42.820 ng
RT: 21.380 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 3283983

Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.1	33.1
229	19.8	15.7	23.5

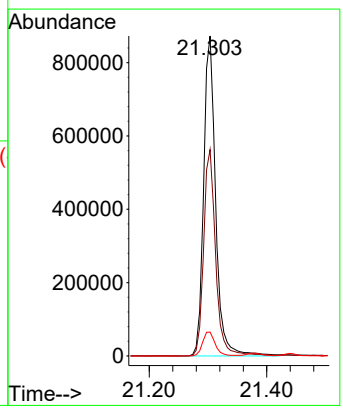


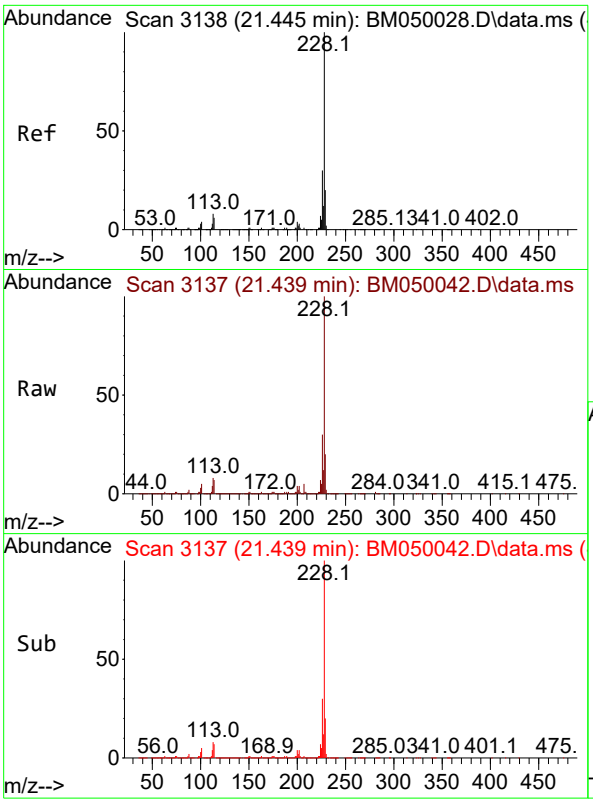


#82
3,3'-Dichlorobenzidine
Concen: 42.117 ng
RT: 21.303 min Scan# 3114
Delta R.T. 0.000 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion:252 Resp: 1236475

Ion	Ratio	Lower	Upper
252	100		
254	64.5	51.8	77.6
126	7.4	6.0	9.0



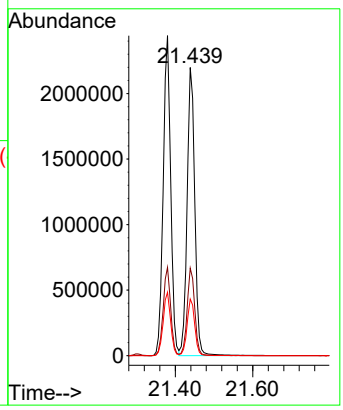


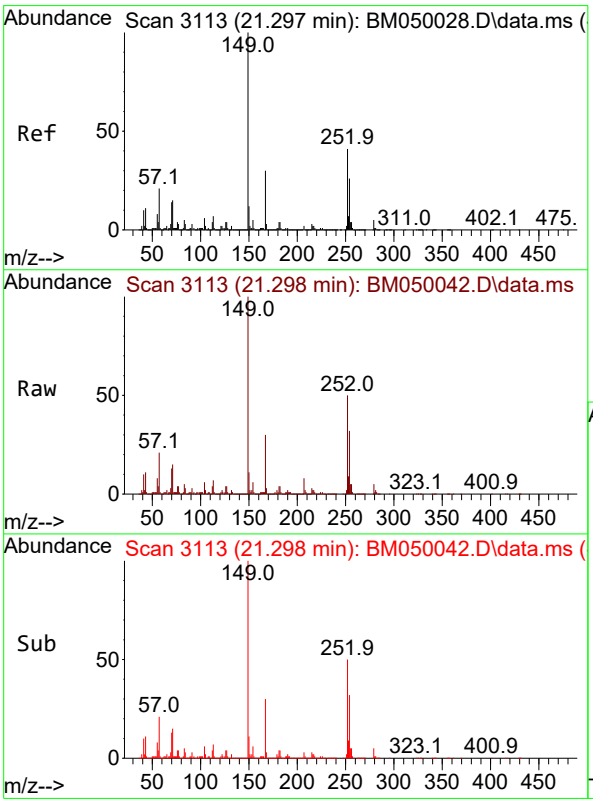
#83
Chrysene
Concen: 42.619 ng
RT: 21.439 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 3025120

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.2	36.2
229	19.7	15.7	23.5

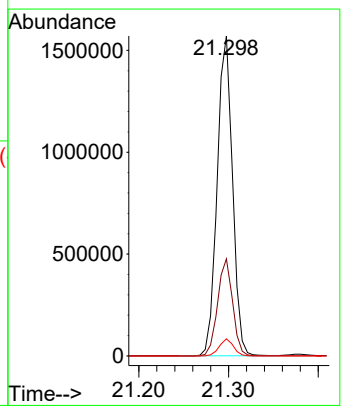


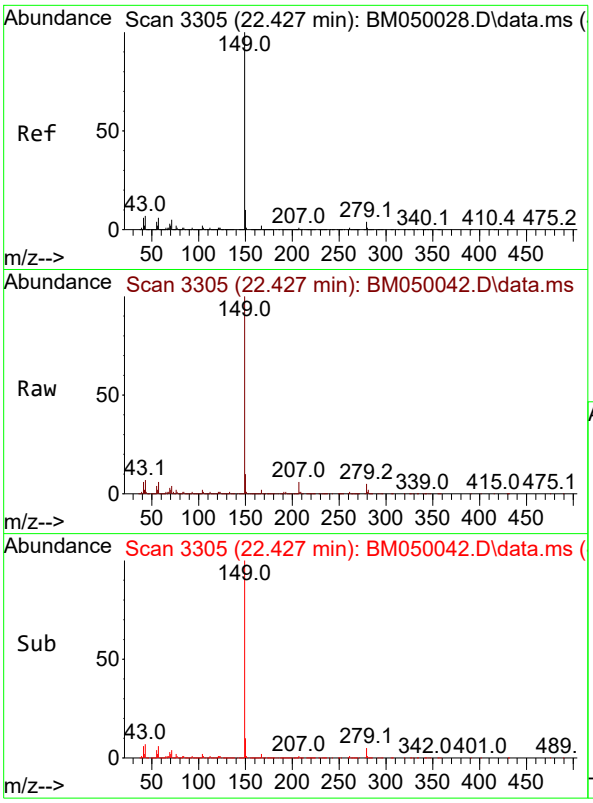


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.571 ng
RT: 21.298 min Scan# 3113
Delta R.T. 0.000 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion:149 Resp: 1862578

Ion	Ratio	Lower	Upper
149	100		
167	30.4	24.1	36.1
279	5.4	3.9	5.9



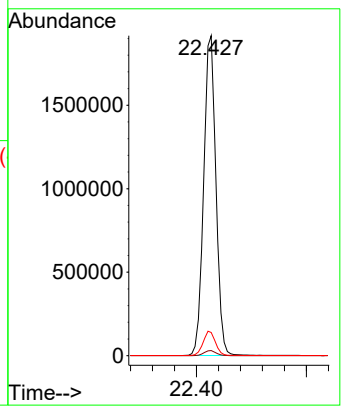


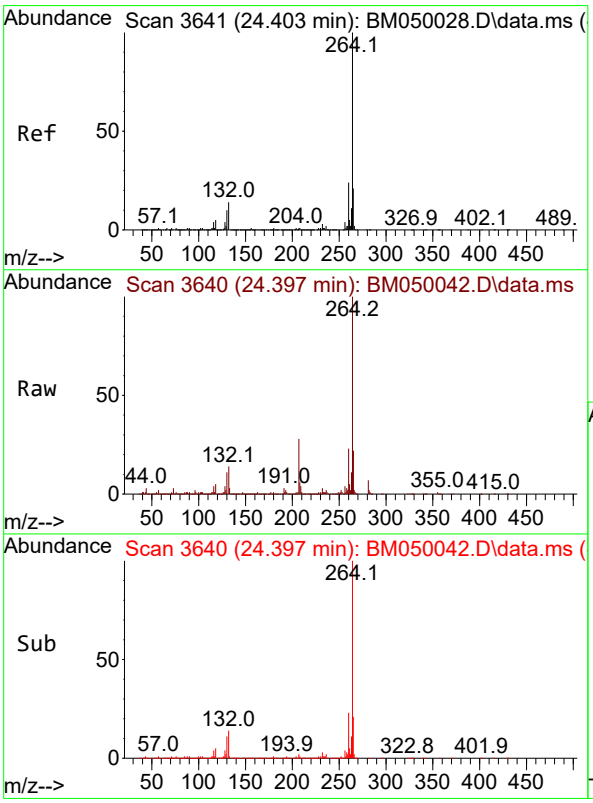
#85
Di-n-octyl phthalate
Concen: 40.954 ng
RT: 22.427 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 2954982

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.7	5.8	8.8

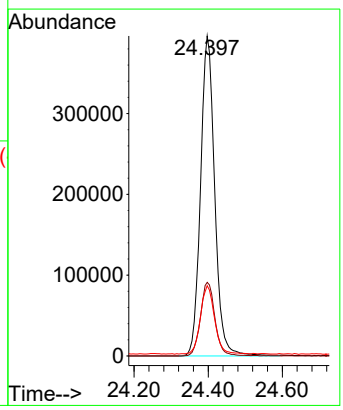


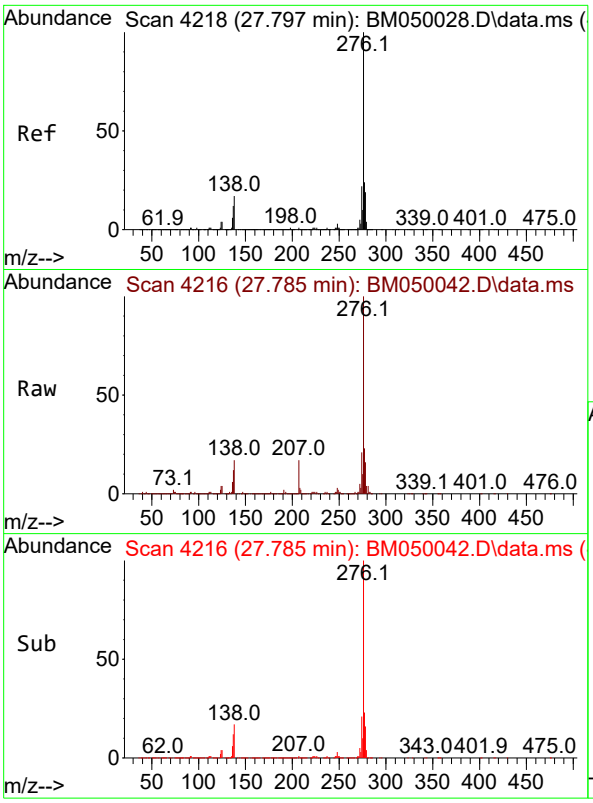


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.397 min Scan# 3640
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion:264 Resp: 1051342

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.8	28.2
265	22.0	17.0	25.4



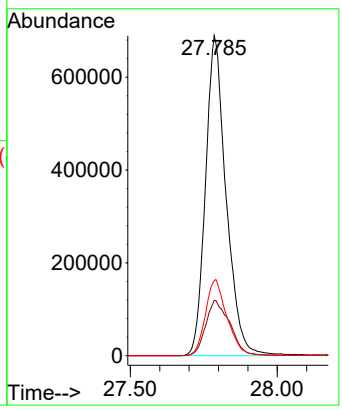


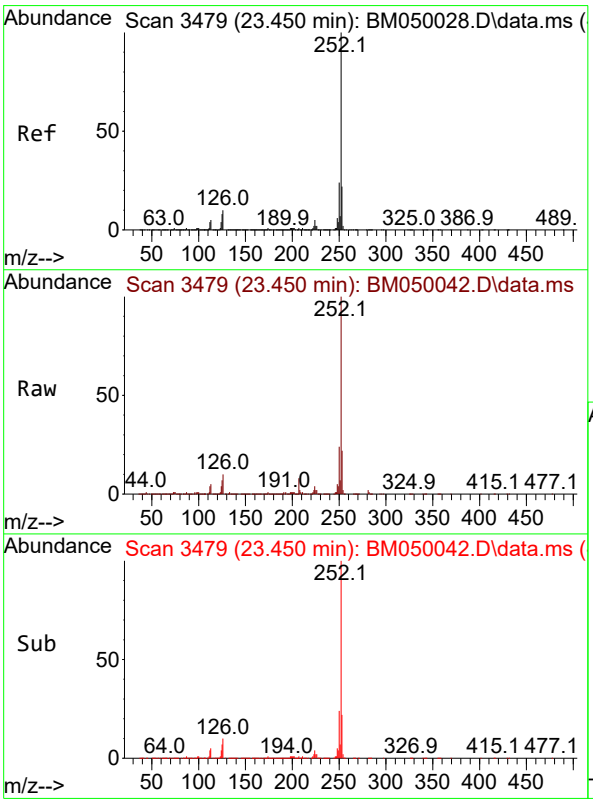
#87
Indeno(1,2,3-cd)pyrene
Concen: 42.790 ng
RT: 27.785 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 3352076

Ion	Ratio	Lower	Upper
276	100		
138	20.3	16.4	24.6
277	25.0	19.8	29.8

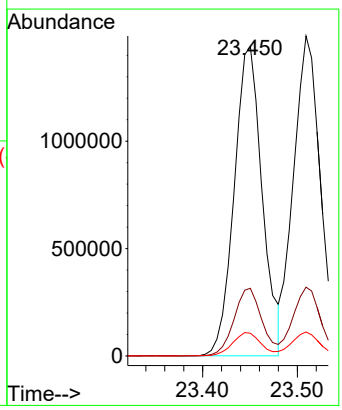


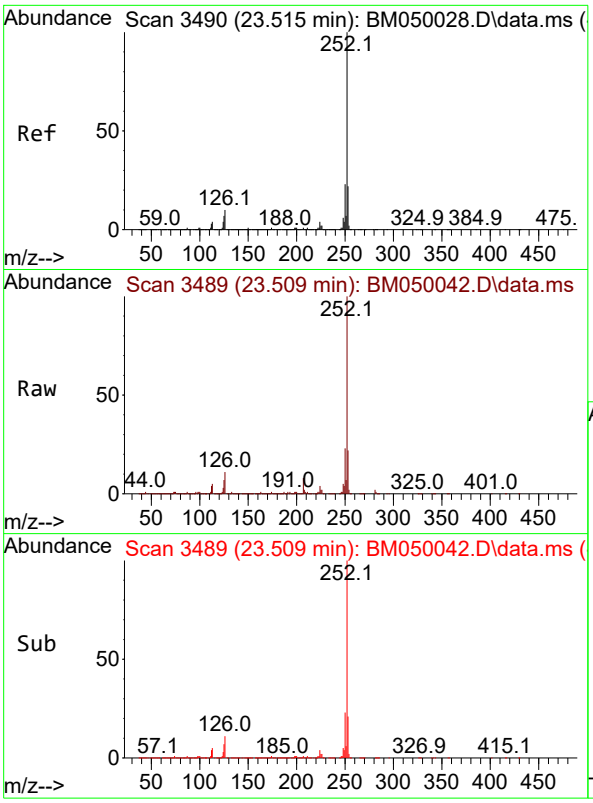


#88
Benzo(b)fluoranthene
Concen: 43.358 ng
RT: 23.450 min Scan# 3479
Delta R.T. 0.000 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion:252 Resp: 2964449

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	7.3	6.1	9.1



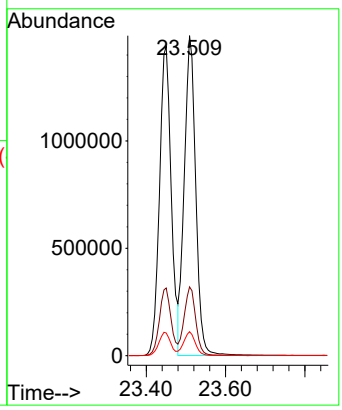


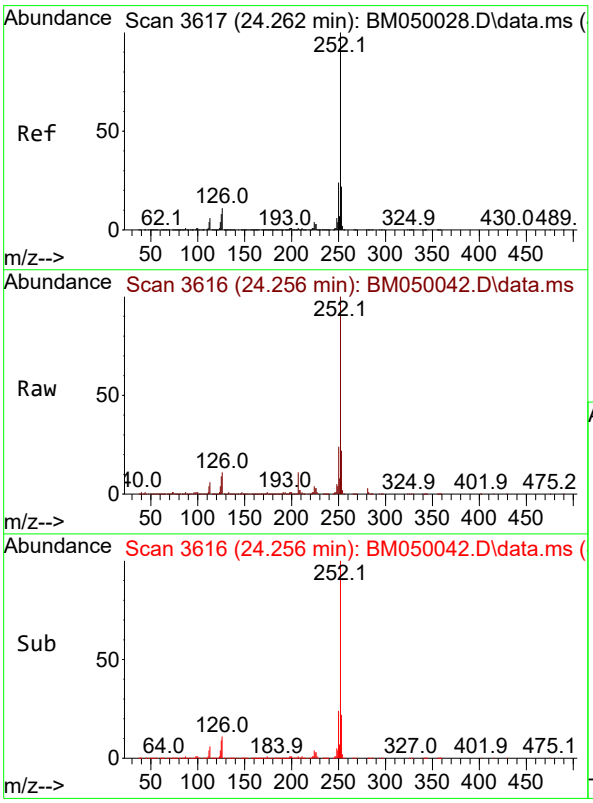
#89
Benzo(k)fluoranthene
Concen: 43.141 ng
RT: 23.509 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 2983657

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.2
125	7.5	5.8	8.8

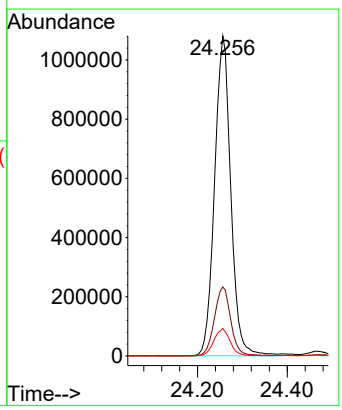


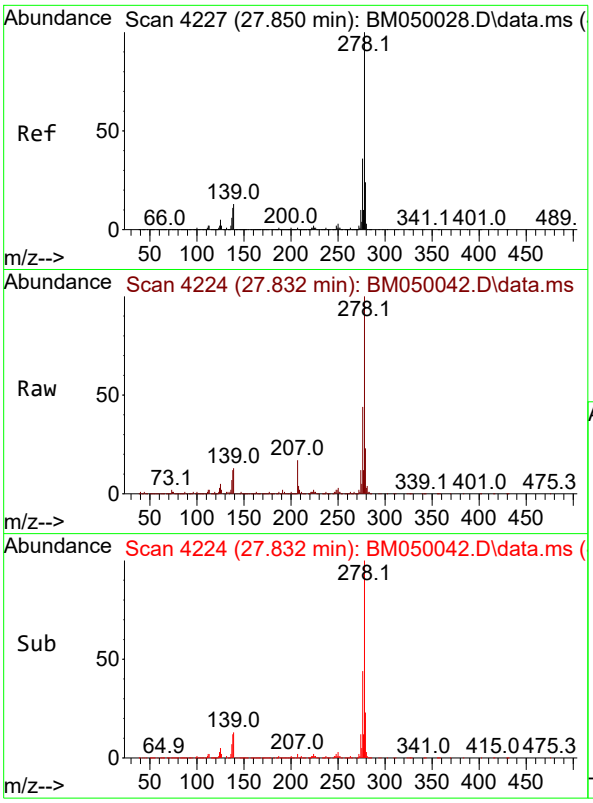


#90
Benzo(a)pyrene
Concen: 42.397 ng
RT: 24.256 min Scan# 3616
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion:252 Resp: 2715011

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.0
125	8.6	6.6	9.8



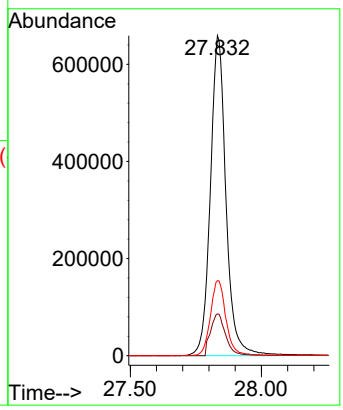


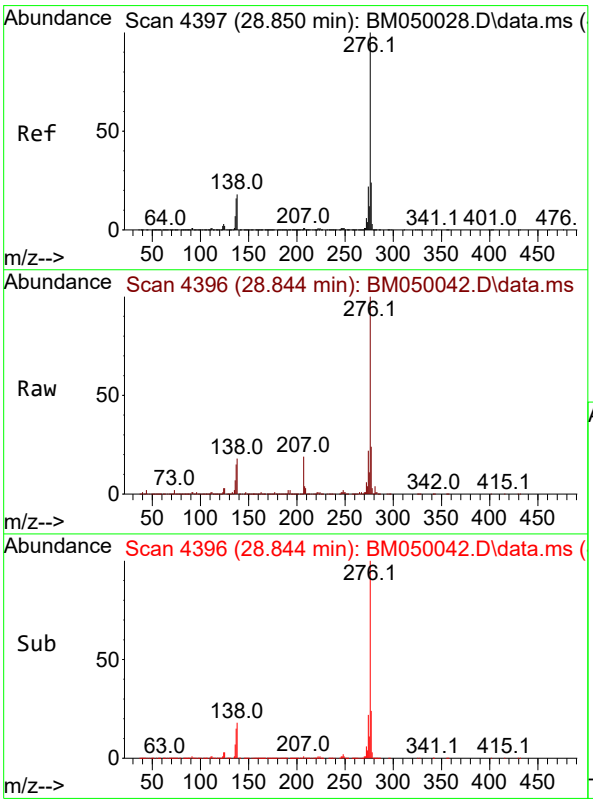
#91
Dibenzo(a,h)anthracene
Concen: 42.649 ng
RT: 27.832 min Scan# 4
Delta R.T. -0.018 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 2723509

Ion	Ratio	Lower	Upper
278	100		
139	13.0	10.5	15.7
279	23.4	19.4	29.0

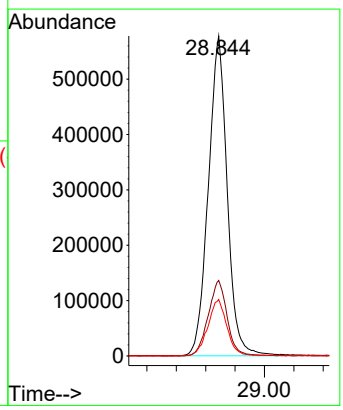




#92
Benzo(g,h,i)perylene
Concen: 42.058 ng
RT: 28.844 min Scan# 4396
Delta R.T. -0.006 min
Lab File: BM050042.D
Acq: 30 Apr 2025 10:53

Tgt Ion:276 Resp: 2571251

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.1	28.7
138	17.6	14.3	21.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050042.D
Acq On : 30 Apr 2025 10:53
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 30 11:55:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	110	0.00
2		1,4-Dioxane	0.490	0.528	-7.8	114	0.00
3		Pyridine	1.258	1.375	-9.3	114	0.00
4		n-Nitrosodimethylamine	0.493	0.545	-10.5	115	0.00
5	S	2-Fluorophenol	1.142	1.244	-8.9	113	0.00
6		Aniline	1.813	1.942	-7.1	110	0.00
7	S	Phenol-d6	1.436	1.560	-8.6	111	0.00
8		2-Chlorophenol	1.235	1.298	-5.1	109	0.00
9		Benzaldehyde	0.961	1.037	-7.9	111	0.00
10	C	Phenol	1.453	1.562	-7.5	112	0.00
11		bis(2-Chloroethyl)ether	1.213	1.312	-8.2	113	0.00
12		1,3-Dichlorobenzene	1.492	1.571	-5.3	111	0.00
13	C	1,4-Dichlorobenzene	1.499	1.587	-5.9	112	0.00
14		1,2-Dichlorobenzene	1.448	1.523	-5.2	110	0.00
15		Benzyl Alcohol	0.996	1.075	-7.9	110	0.00
16		2,2'-oxybis(1-Chloropropane	1.475	1.605	-8.8	114	0.00
17		2-Methylphenol	0.957	1.018	-6.4	109	0.00
18		Hexachloroethane	0.533	0.565	-6.0	112	0.00
19	P	n-Nitroso-di-n-propylamine	0.921	0.995	-8.0	109	0.00
20		3+4-Methylphenols	1.293	1.368	-5.8	108	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	107	0.00
22		Acetophenone	0.497	0.539	-8.5	109	0.00
23	S	Nitrobenzene-d5	0.406	0.448	-10.3	111	0.00
24		Nitrobenzene	0.351	0.385	-9.7	110	0.00
25		Isophorone	0.692	0.728	-5.2	107	0.00
26	C	2-Nitrophenol	0.179	0.195	-8.9	106	0.00
27		2,4-Dimethylphenol	0.297	0.323	-8.8	107	0.00
28		bis(2-Chloroethoxy)methane	0.428	0.463	-8.2	109	0.00
29	C	2,4-Dichlorophenol	0.333	0.358	-7.5	106	0.00
30		1,2,4-Trichlorobenzene	0.406	0.434	-6.9	109	0.00
31		Naphthalene	1.013	1.079	-6.5	109	0.00
32		Benzoic acid	0.190	0.191	-0.5	104	0.00
33		4-Chloroaniline	0.415	0.441	-6.3	107	0.00
34	C	Hexachlorobutadiene	0.258	0.275	-6.6	109	0.00
35		Caprolactam	0.097	0.096	1.0	99	0.00
36	C	4-Chloro-3-methylphenol	0.308	0.319	-3.6	105	0.00
37		2-Methylnaphthalene	0.679	0.716	-5.4	108	0.00
38		1-Methylnaphthalene	0.719	0.745	-3.6	106	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	104	0.00
40		1,2,4,5-Tetrachlorobenzene	0.692	0.764	-10.4	107	0.00
41	P	Hexachlorocyclopentadiene	0.423	0.473	-11.8	108	0.00
42	S	2,4,6-Tribromophenol	0.296	0.313	-5.7	102	0.00
43	C	2,4,6-Trichlorophenol	0.439	0.479	-9.1	104	0.00
44		2,4,5-Trichlorophenol	0.474	0.514	-8.4	103	0.00
45	S	2-Fluorobiphenyl	1.691	1.888	-11.6	108	0.00
46		1,1'-Biphenyl	1.487	1.594	-7.2	105	0.00
47		2-Chloronaphthalene	1.177	1.269	-7.8	105	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050042.D
Acq On : 30 Apr 2025 10:53
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 30 11:55:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 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	0.276	0.298	-8.0	102	0.00
49		Acenaphthylene	1.857	1.967	-5.9	103	0.00
50		Dimethylphthalate	1.462	1.509	-3.2	102	0.00
51		2,6-Dinitrotoluene	0.303	0.322	-6.3	102	0.00
52	C	Acenaphthene	1.075	1.145	-6.5	105	0.00
53		3-Nitroaniline	0.289	0.305	-5.5	98	0.00
54	P	2,4-Dinitrophenol	0.164	0.173	-5.5	101	0.00
55		Dibenzofuran	1.788	1.876	-4.9	104	0.00
56	P	4-Nitrophenol	0.205	0.208	-1.5	96	0.00
57		2,4-Dinitrotoluene	0.418	0.443	-6.0	101	0.00
58		Fluorene	1.463	1.567	-7.1	104	0.00
59		2,3,4,6-Tetrachlorophenol	0.410	0.430	-4.9	102	0.00
60		Diethylphthalate	1.377	1.413	-2.6	102	0.00
61		4-Chlorophenyl-phenylether	0.804	0.874	-8.7	106	0.00
62		4-Nitroaniline	0.279	0.299	-7.2	99	0.00
63		Azobenzene	1.154	1.239	-7.4	106	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
65		4,6-Dinitro-2-methylphenol	0.125	0.133	-6.4	99	0.00
66	c	n-Nitrosodiphenylamine	0.614	0.668	-8.8	102	0.00
67		4-Bromophenyl-phenylether	0.242	0.260	-7.4	101	0.00
68		Hexachlorobenzene	0.279	0.298	-6.8	102	0.00
69		Atrazine	0.222	0.233	-5.0	99	0.00
70	C	Pentachlorophenol	0.157	0.166	-5.7	100	0.00
71		Phenanthrene	1.128	1.211	-7.4	102	0.00
72		Anthracene	1.142	1.231	-7.8	102	0.00
73		Carbazole	0.991	1.038	-4.7	99	0.00
74		Di-n-butylphthalate	1.180	1.251	-6.0	101	0.00
75	C	Fluoranthene	1.324	1.400	-5.7	100	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	100	0.00
77		Benzidine	0.710	0.741	-4.4	96	0.00
78		Pyrene	1.404	1.511	-7.6	100	0.00
79	S	Terphenyl-d14	1.352	1.573	-16.3	103	0.00
80		Butylbenzylphthalate	0.526	0.547	-4.0	97	0.00
81		Benzo(a)anthracene	1.377	1.474	-7.0	100	0.00
82		3,3'-Dichlorobenzidine	0.527	0.555	-5.3	96	0.00
83		Chrysene	1.275	1.358	-6.5	101	0.00
84		Bis(2-ethylhexyl)phthalate	0.786	0.836	-6.4	99	0.00
85	c	Di-n-octyl phthalate	1.296	1.327	-2.4	97	0.00
86	I	Perylene-d12	1.000	1.000	0.0	98	0.00
87		Indeno(1,2,3-cd)pyrene	1.490	1.594	-7.0	98	-0.01
88		Benzo(b)fluoranthene	1.301	1.410	-8.4	98	0.00
89		Benzo(k)fluoranthene	1.316	1.419	-7.8	100	0.00
90	C	Benzo(a)pyrene	1.218	1.291	-6.0	98	0.00
91		Dibenzo(a,h)anthracene	1.215	1.295	-6.6	98	-0.02
92		Benzo(g,h,i)perylene	1.163	1.223	-5.2	97	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050042.D
Acq On : 30 Apr 2025 10:53
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 30 11:55:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 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_M\Data\BM043025\
Data File : BM050042.D
Acq On : 30 Apr 2025 10:53
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 30 11:55:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	110	0.00
2		1,4-Dioxane	40.000	43.108	-7.8	114	0.00
3		Pyridine	40.000	43.721	-9.3	114	0.00
4		n-Nitrosodimethylamine	40.000	44.209	-10.5	115	0.00
5	S	2-Fluorophenol	80.000	87.105	-8.9	113	0.00
6		Aniline	40.000	42.852	-7.1	110	0.00
7	S	Phenol-d6	80.000	86.957	-8.7	111	0.00
8		2-Chlorophenol	40.000	42.042	-5.1	109	0.00
9		Benzaldehyde	40.000	43.158	-7.9	111	0.00
10	C	Phenol	40.000	42.995	-7.5	112	0.00
11		bis(2-Chloroethyl)ether	40.000	43.235	-8.1	113	0.00
12		1,3-Dichlorobenzene	40.000	42.122	-5.3	111	0.00
13	C	1,4-Dichlorobenzene	40.000	42.355	-5.9	112	0.00
14		1,2-Dichlorobenzene	40.000	42.078	-5.2	110	0.00
15		Benzyl Alcohol	40.000	43.183	-8.0	110	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	43.523	-8.8	114	0.00
17		2-Methylphenol	40.000	42.537	-6.3	109	0.00
18		Hexachloroethane	40.000	42.405	-6.0	112	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	43.212	-8.0	109	0.00
20		3+4-Methylphenols	40.000	42.329	-5.8	108	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	107	0.00
22		Acetophenone	40.000	43.385	-8.5	109	0.00
23	S	Nitrobenzene-d5	80.000	88.324	-10.4	111	0.00
24		Nitrobenzene	40.000	43.853	-9.6	110	0.00
25		Isophorone	40.000	42.094	-5.2	107	0.00
26	C	2-Nitrophenol	40.000	43.468	-8.7	106	0.00
27		2,4-Dimethylphenol	40.000	43.412	-8.5	107	0.00
28		bis(2-Chloroethoxy)methane	40.000	43.275	-8.2	109	0.00
29	C	2,4-Dichlorophenol	40.000	43.026	-7.6	106	0.00
30		1,2,4-Trichlorobenzene	40.000	42.762	-6.9	109	0.00
31		Naphthalene	40.000	42.621	-6.6	109	0.00
32		Benzoic acid	40.000	40.124	-0.3	104	0.00
33		4-Chloroaniline	40.000	42.486	-6.2	107	0.00
34	C	Hexachlorobutadiene	40.000	42.651	-6.6	109	0.00
35		Caprolactam	40.000	39.543	1.1	99	0.00
36	C	4-Chloro-3-methylphenol	40.000	41.443	-3.6	105	0.00
37		2-Methylnaphthalene	40.000	42.175	-5.4	108	0.00
38		1-Methylnaphthalene	40.000	41.470	-3.7	106	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	104	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	44.143	-10.4	107	0.00
41	P	Hexachlorocyclopentadiene	40.000	44.677	-11.7	108	0.00
42	S	2,4,6-Tribromophenol	80.000	84.705	-5.9	102	0.00
43	C	2,4,6-Trichlorophenol	40.000	43.603	-9.0	104	0.00
44		2,4,5-Trichlorophenol	40.000	43.411	-8.5	103	0.00
45	S	2-Fluorobiphenyl	80.000	89.333	-11.7	108	0.00
46		1,1'-Biphenyl	40.000	42.891	-7.2	105	0.00
47		2-Chloronaphthalene	40.000	43.106	-7.8	105	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050042.D
Acq On : 30 Apr 2025 10:53
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 30 11:55:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	43.156	-7.9	102	0.00
49		Acenaphthylene	40.000	42.382	-6.0	103	0.00
50		Dimethylphthalate	40.000	41.296	-3.2	102	0.00
51		2,6-Dinitrotoluene	40.000	42.538	-6.3	102	0.00
52	C	Acenaphthene	40.000	42.607	-6.5	105	0.00
53		3-Nitroaniline	40.000	42.178	-5.4	98	0.00
54	P	2,4-Dinitrophenol	40.000	38.974	2.6	101	0.00
55		Dibenzofuran	40.000	41.978	-4.9	104	0.00
56	P	4-Nitrophenol	40.000	37.941	5.1	96	0.00
57		2,4-Dinitrotoluene	40.000	42.356	-5.9	101	0.00
58		Fluorene	40.000	42.839	-7.1	104	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	41.972	-4.9	102	0.00
60		Diethylphthalate	40.000	41.031	-2.6	102	0.00
61		4-Chlorophenyl-phenylether	40.000	43.504	-8.8	106	0.00
62		4-Nitroaniline	40.000	42.874	-7.2	99	0.00
63		Azobenzene	40.000	42.950	-7.4	106	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	100	0.00
65		4,6-Dinitro-2-methylphenol	40.000	42.498	-6.2	99	0.00
66	c	n-Nitrosodiphenylamine	40.000	43.501	-8.8	102	0.00
67		4-Bromophenyl-phenylether	40.000	43.021	-7.6	101	0.00
68		Hexachlorobenzene	40.000	42.699	-6.7	102	0.00
69		Atrazine	40.000	42.071	-5.2	99	0.00
70	C	Pentachlorophenol	40.000	42.225	-5.6	100	0.00
71		Phenanthrene	40.000	42.933	-7.3	102	0.00
72		Anthracene	40.000	43.151	-7.9	102	0.00
73		Carbazole	40.000	41.899	-4.7	99	0.00
74		Di-n-butylphthalate	40.000	42.408	-6.0	101	0.00
75	C	Fluoranthene	40.000	42.281	-5.7	100	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	100	0.00
77		Benzidine	40.000	41.733	-4.3	96	0.00
78		Pyrene	40.000	43.046	-7.6	100	0.00
79	S	Terphenyl-d14	80.000	93.079	-16.3	103	0.00
80		Butylbenzylphthalate	40.000	41.620	-4.0	97	0.00
81		Benzo(a)anthracene	40.000	42.820	-7.1	100	0.00
82		3,3'-Dichlorobenzidine	40.000	42.117	-5.3	96	0.00
83		Chrysene	40.000	42.619	-6.5	101	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	42.571	-6.4	99	0.00
85	c	Di-n-octyl phthalate	40.000	40.954	-2.4	97	0.00
86	I	Perylene-d12	20.000	20.000	0.0	98	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	42.790	-7.0	98	-0.01
88		Benzo(b)fluoranthene	40.000	43.358	-8.4	98	0.00
89		Benzo(k)fluoranthene	40.000	43.141	-7.9	100	0.00
90	C	Benzo(a)pyrene	40.000	42.397	-6.0	98	0.00
91		Dibenzo(a,h)anthracene	40.000	42.649	-6.6	98	-0.02
92		Benzo(g,h,i)perylene	40.000	42.058	-5.1	97	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050042.D
Acq On : 30 Apr 2025 10:53
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 30 11:55:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 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: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG No.: Q1883

Instrument ID: BNA_M Calibration Date/Time: 04/30/2025 19:20

Lab File ID: BM050052.D Init. Calib. Date(s): 04/28/2025 04/28/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 12:30 17:04

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.142	1.228		7.5	50.0
Phenol-d6	1.436	1.583		10.2	50.0
Nitrobenzene-d5	0.406	0.445		9.6	50.0
Naphthalene	1.013	1.068		5.4	50.0
2-Methylnaphthalene	0.679	0.717		5.6	50.0
2-Fluorobiphenyl	1.691	1.873		10.8	50.0
Acenaphthylene	1.857	1.981		6.6	50.0
Acenaphthene	1.075	1.153		7.3	50.0
Fluorene	1.463	1.608		9.9	50.0
2,4,6-Tribromophenol	0.296	0.324		9.5	50.0
Phenanthrene	1.128	1.217		7.9	50.0
Anthracene	1.142	1.237		8.3	50.0
Fluoranthene	1.324	1.445		9.1	50.0
Pyrene	1.404	1.489		6.1	50.0
Terphenyl-d14	1.352	1.553		14.9	50.0
Benzo(a)anthracene	1.377	1.478		7.3	50.0
Chrysene	1.275	1.356		6.4	50.0
Benzo(b)fluoranthene	1.301	1.421		9.2	50.0
Benzo(k)fluoranthene	1.316	1.424		8.2	50.0
Benzo(a)pyrene	1.218	1.306		7.2	50.0
Indeno(1,2,3-cd)pyrene	1.490	1.600		7.4	50.0
Dibenzo(a,h)anthracene	1.215	1.313		8.1	50.0
Benzo(g,h,i)perylene	1.163	1.237		6.4	50.0

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050052.D
Acq On : 30 Apr 2025 19:20
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Quant Time: May 01 02:18:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.763	152	246714	20.000	ng		0.00
21) Naphthalene-d8	10.557	136	921631	20.000	ng		0.00
39) Acenaphthene-d10	14.404	164	608103	20.000	ng		0.00
64) Phenanthrene-d10	17.151	188	1206903	20.000	ng		0.00
76) Chrysene-d12	21.398	240	1210247	20.000	ng		0.00
86) Perylene-d12	24.391	264	1136546	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.351	112	1211565	85.992	ng		0.00
7) Phenol-d6	6.946	99	1561987	88.206	ng		0.00
23) Nitrobenzene-d5	8.922	82	1640689	87.722	ng		0.00
42) 2,4,6-Tribromophenol	15.904	330	789023	87.751	ng		0.00
45) 2-Fluorobiphenyl	13.027	172	4556919	88.649	ng		0.00
79) Terphenyl-d14	19.780	244	7518456	91.926	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.252	88	256559	42.469	ng		100
3) Pyridine	3.652	79	682069	43.944	ng		95
4) n-Nitrosodimethylamine	3.563	42	267385	43.923	ng		98
6) Aniline	7.093	93	964706	43.142	ng		99
8) 2-Chlorophenol	7.334	128	649598	42.642	ng		98
9) Benzaldehyde	6.904	77	516330	43.570	ng		99
10) Phenol	6.975	94	782417	43.645	ng		98
11) bis(2-Chloroethyl)ether	7.187	93	647045	43.225	ng		99
12) 1,3-Dichlorobenzene	7.651	146	768066	41.739	ng		99
13) 1,4-Dichlorobenzene	7.798	146	776993	42.030	ng		99
14) 1,2-Dichlorobenzene	8.116	146	750047	42.002	ng		99
15) Benzyl Alcohol	8.010	79	546315	44.486	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.287	45	800911	44.015	ng		99
17) 2-Methylphenol	8.222	107	513868	43.512	ng		99
18) Hexachloroethane	8.839	117	277797	42.272	ng		100
19) n-Nitroso-di-n-propyla...	8.569	70	510171	44.920	ng		98
20) 3+4-Methylphenols	8.551	107	699911	43.886	ng		99
22) Acetophenone	8.587	105	993242	43.348	ng	#	99
24) Nitrobenzene	8.963	77	702988	43.469	ng		99
25) Isophorone	9.492	82	1371097	43.006	ng		98
26) 2-Nitrophenol	9.675	139	359603	43.526	ng		96
27) 2,4-Dimethylphenol	9.745	122	598184	43.659	ng		99
28) bis(2-Chloroethoxy)met...	9.969	93	849883	43.130	ng		99
29) 2,4-Dichlorophenol	10.222	162	664982	43.323	ng		99
30) 1,2,4-Trichlorobenzene	10.422	180	778919	41.651	ng		99
31) Naphthalene	10.604	128	1967893	42.163	ng		100
32) Benzoic acid	9.910	122	364389	41.584	ng		98
33) 4-Chloroaniline	10.722	127	824706	43.109	ng		99
34) Hexachlorobutadiene	10.892	225	499984	42.119	ng		98
35) Caprolactam	11.516	113	190259	42.512	ng		93
36) 4-Chloro-3-methylphenol	11.863	107	606439	42.764	ng		98
37) 2-Methylnaphthalene	12.222	142	1321800	42.240	ng		99
38) 1-Methylnaphthalene	12.445	142	1391335	42.014	ng		99
40) 1,2,4,5-Tetrachloroben...	12.598	216	917457	43.583	ng		99
41) Hexachlorocyclopentadiene	12.575	237	544933	42.359	ng		100
43) 2,4,6-Trichlorophenol	12.845	196	587364	43.991	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050052.D
Acq On : 30 Apr 2025 19:20
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Quant Time: May 01 02:18:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

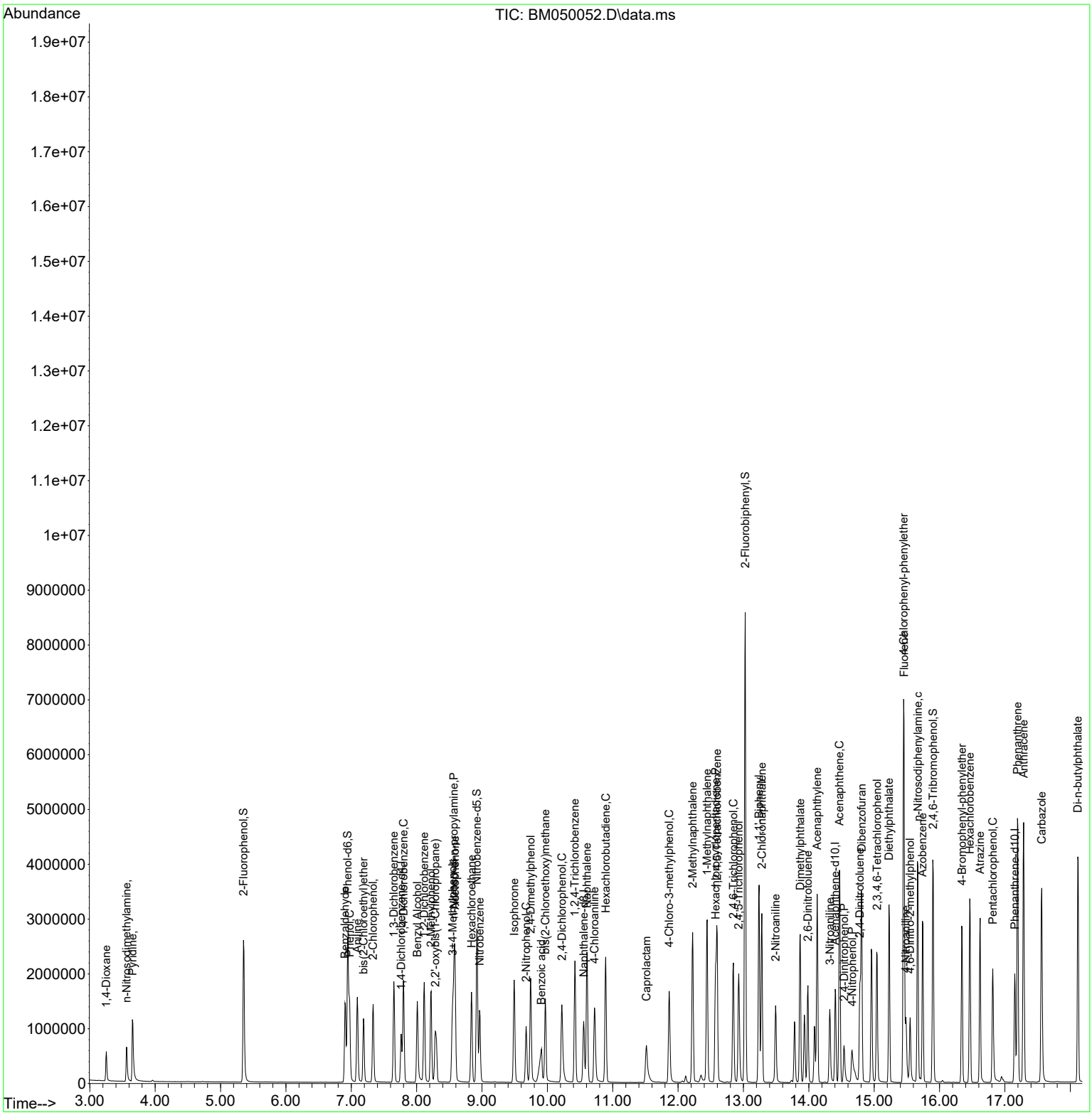
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.927	196	635473	44.136	ng	99
46) 1,1'-Biphenyl	13.239	154	1934447	42.794	ng	100
47) 2-Chloronaphthalene	13.280	162	1531682	42.783	ng	99
48) 2-Nitroaniline	13.492	65	380074	45.233	ng	98
49) Acenaphthylene	14.127	152	2408693	42.671	ng	100
50) Dimethylphthalate	13.869	163	1878104	42.261	ng	100
51) 2,6-Dinitrotoluene	13.986	165	398832	43.345	ng	97
52) Acenaphthene	14.469	154	1402125	42.913	ng	99
53) 3-Nitroaniline	14.322	138	380548	43.320	ng	96
54) 2,4-Dinitrophenol	14.539	184	202048	37.592	ng	98
55) Dibenzofuran	14.810	168	2320212	42.681	ng	99
56) 4-Nitrophenol	14.663	139	275260	40.867	ng	94
57) 2,4-Dinitrotoluene	14.780	165	561515	44.164	ng	97
58) Fluorene	15.457	166	1956059	43.960	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.045	232	543928	43.644	ng	99
60) Diethylphthalate	15.227	149	1778764	42.478	ng	100
61) 4-Chlorophenyl-phenyle...	15.451	204	1084318	44.366	ng	100
62) 4-Nitroaniline	15.486	138	381180	44.974	ng	96
63) Azobenzene	15.739	77	1563656	44.555	ng	98
65) 4,6-Dinitro-2-methylph...	15.551	198	310589	41.112	ng	97
66) n-Nitrosodiphenylamine	15.668	169	1600494	43.186	ng	100
67) 4-Bromophenyl-phenylether	16.345	248	625456	42.855	ng	97
68) Hexachlorobenzene	16.463	284	712239	42.336	ng	100
69) Atrazine	16.621	200	579434	43.344	ng	99
70) Pentachlorophenol	16.815	266	411970	43.504	ng	99
71) Phenanthrene	17.192	178	2937185	43.149	ng	100
72) Anthracene	17.286	178	2986673	43.356	ng	100
73) Carbazole	17.562	167	2568034	42.961	ng	100
74) Di-n-butylphthalate	18.115	149	3065088	43.057	ng	99
75) Fluoranthene	19.215	202	3487707	43.640	ng	99
77) Benzidine	19.398	184	1621166	37.711	ng	99
78) Pyrene	19.574	202	3603294	42.398	ng	100
80) Butylbenzylphthalate	20.474	149	1322615	41.551	ng	96
81) Benzo(a)anthracene	21.374	228	3576630	42.916	ng	99
82) 3,3'-Dichlorobenzidine	21.303	252	1349081	42.286	ng	100
83) Chrysene	21.439	228	3283134	42.564	ng	100
84) Bis(2-ethylhexyl)phtha...	21.292	149	2035117	42.804	ng	100
85) Di-n-octyl phthalate	22.421	149	3216660	41.024	ng	99
87) Indeno(1,2,3-cd)pyrene	27.785	276	3637745	42.955	ng	99
88) Benzo(b)fluoranthene	23.450	252	3229711	43.696	ng	100
89) Benzo(k)fluoranthene	23.509	252	3237678	43.305	ng	99
90) Benzo(a)pyrene	24.256	252	2969353	42.893	ng	100
91) Dibenzo(a,h)anthracene	27.832	278	2983620	43.220	ng	99
92) Benzo(g,h,i)perylene	28.838	276	2810990	42.532	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050052.D
Acq On : 30 Apr 2025 19:20
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

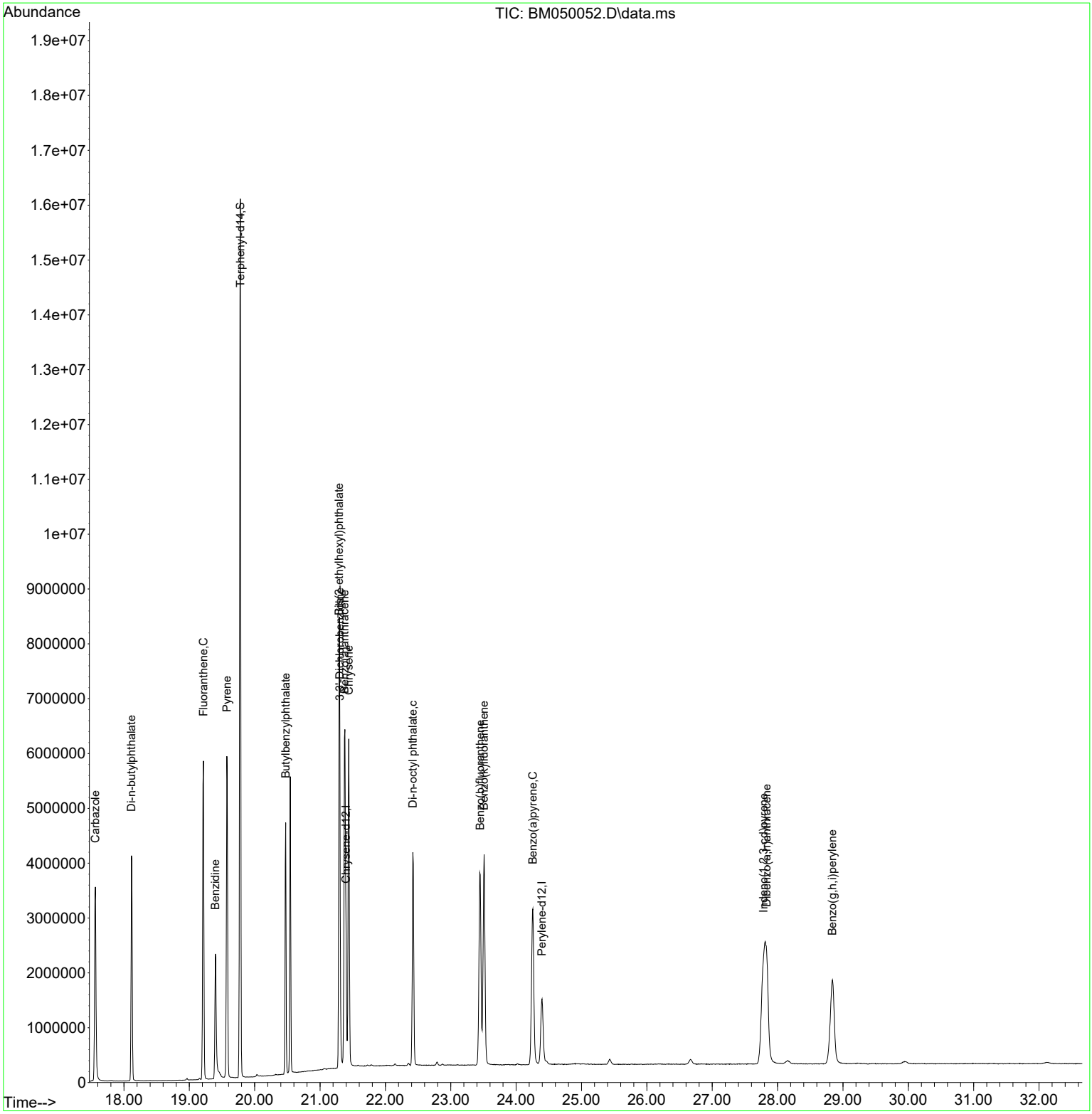
Quant Time: May 01 02:18:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

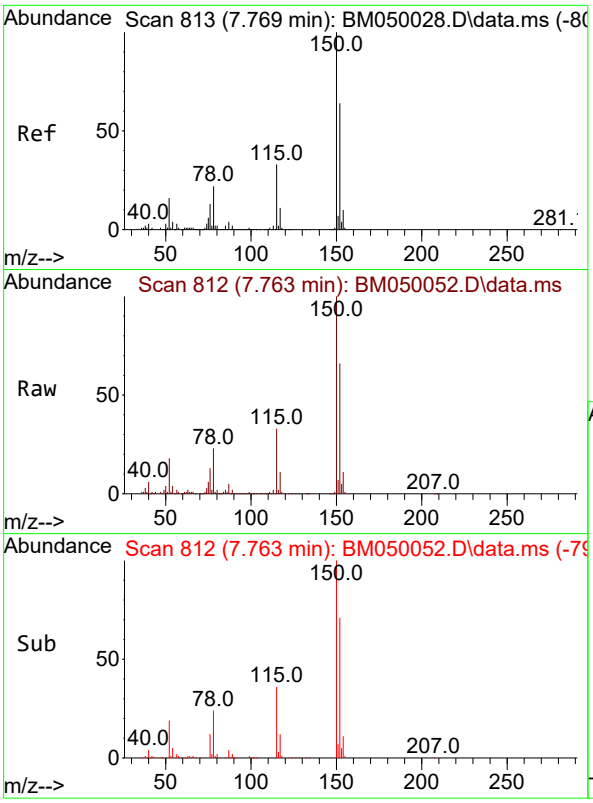


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050052.D
Acq On : 30 Apr 2025 19:20
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Quant Time: May 01 02:18:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



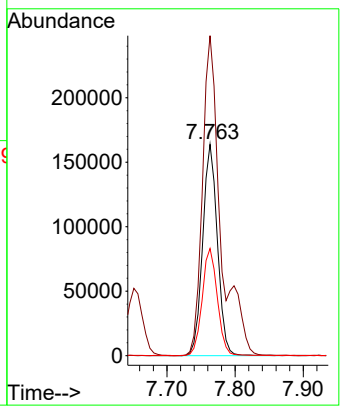


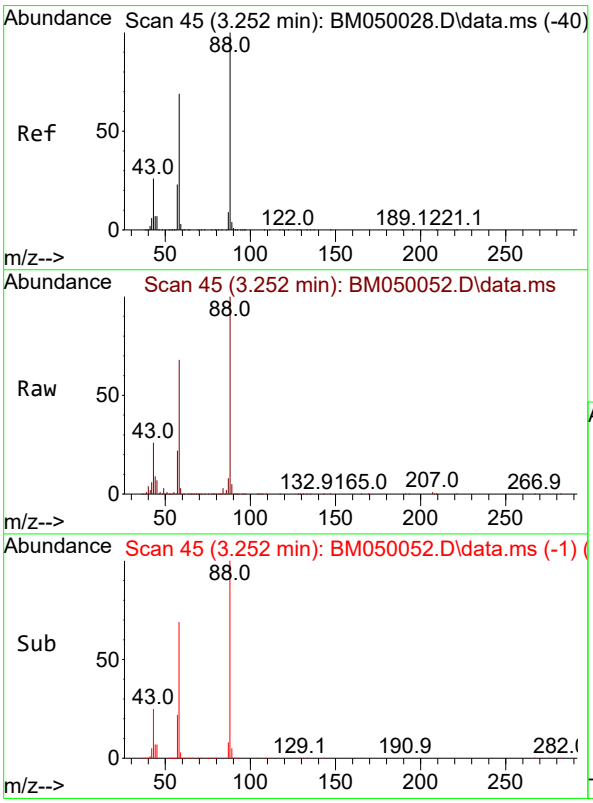
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 246714

Ion	Ratio	Lower	Upper
152	100		
150	151.4	124.1	186.1
115	50.7	41.2	61.8

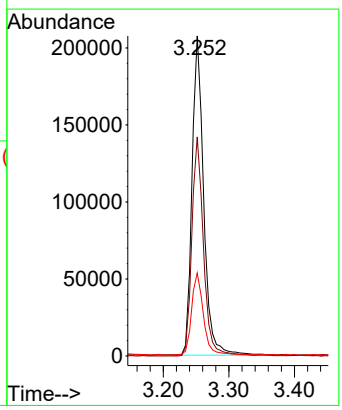


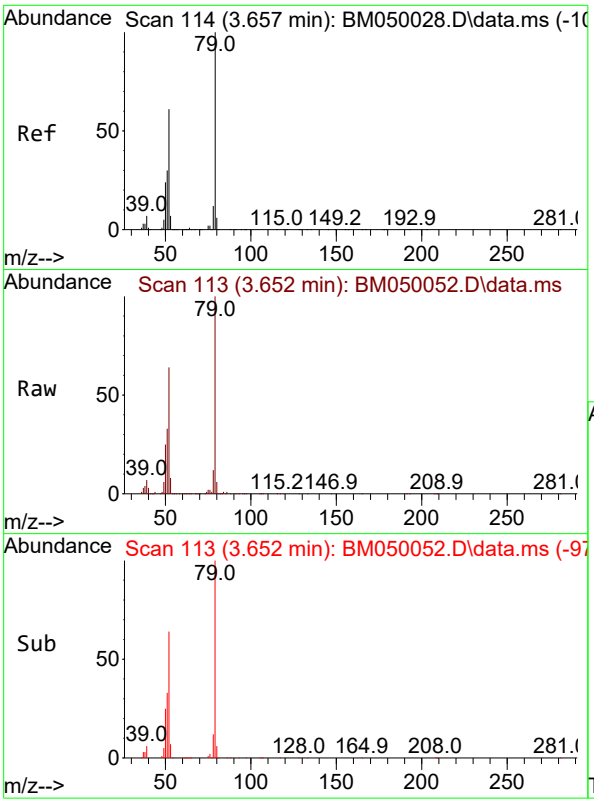


#2
1,4-Dioxane
Concen: 42.469 ng
RT: 3.252 min Scan# 45
Delta R.T. 0.000 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion: 88 Resp: 256559

Ion	Ratio	Lower	Upper
88	100		
58	68.6	55.1	82.7
43	25.9	20.9	31.3



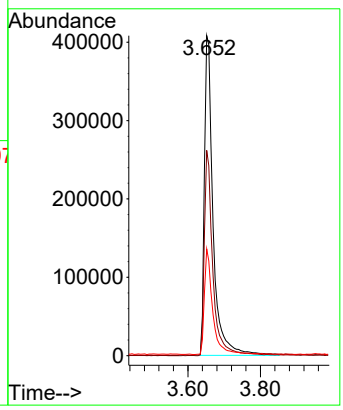


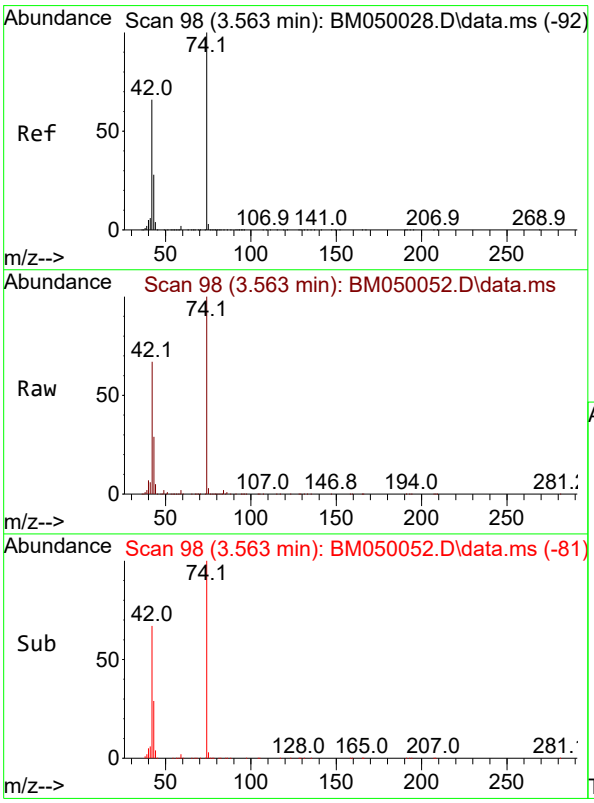
#3
Pyridine
Concen: 43.944 ng
RT: 3.652 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 682069

Ion	Ratio	Lower	Upper
79	100		
52	64.2	48.6	72.8
51	33.3	24.6	37.0

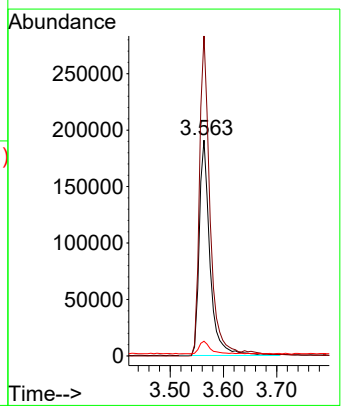


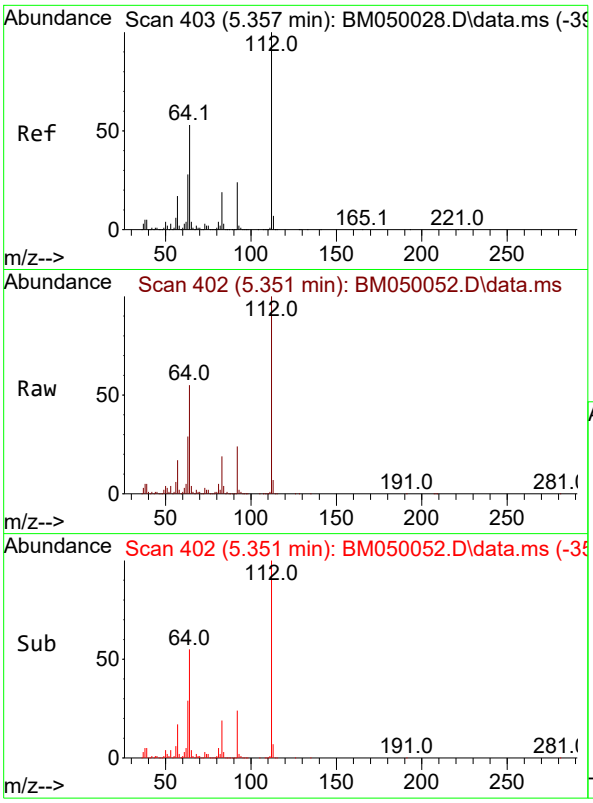


#4
n-Nitrosodimethylamine
Concen: 43.923 ng
RT: 3.563 min Scan# 98
Delta R.T. 0.000 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion: 42 Resp: 267385

Ion	Ratio	Lower	Upper
42	100		
74	148.2	120.2	180.2
44	6.8	6.2	9.2



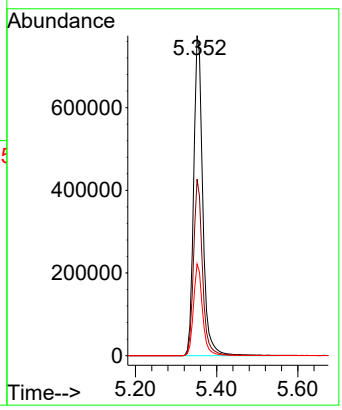


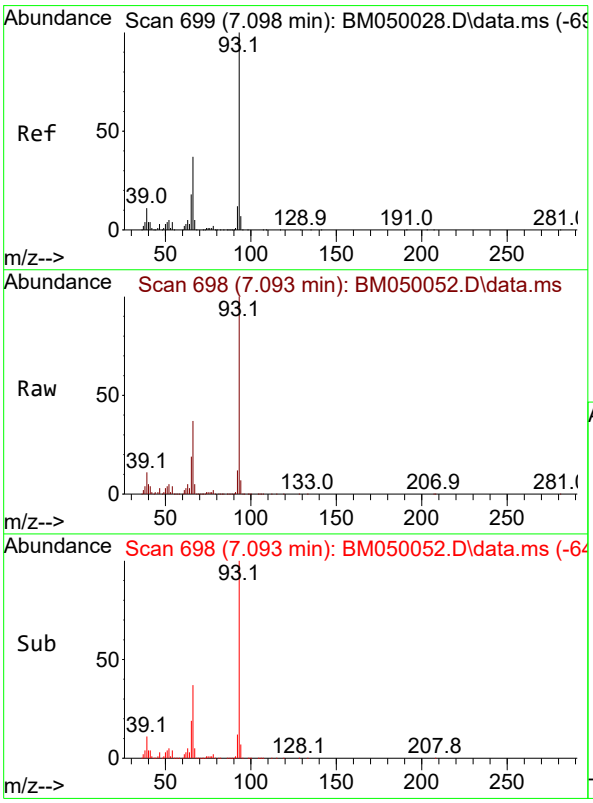
#5
2-Fluorophenol
Concen: 85.992 ng
RT: 5.351 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:112 Resp: 1211565

Ion	Ratio	Lower	Upper
112	100		
64	55.1	42.6	64.0
63	28.6	22.2	33.4

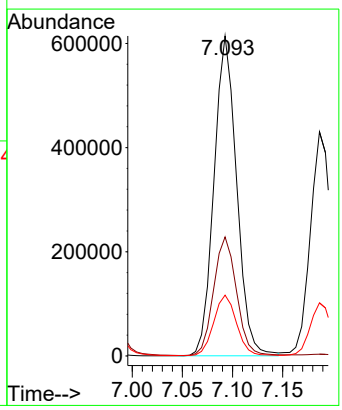


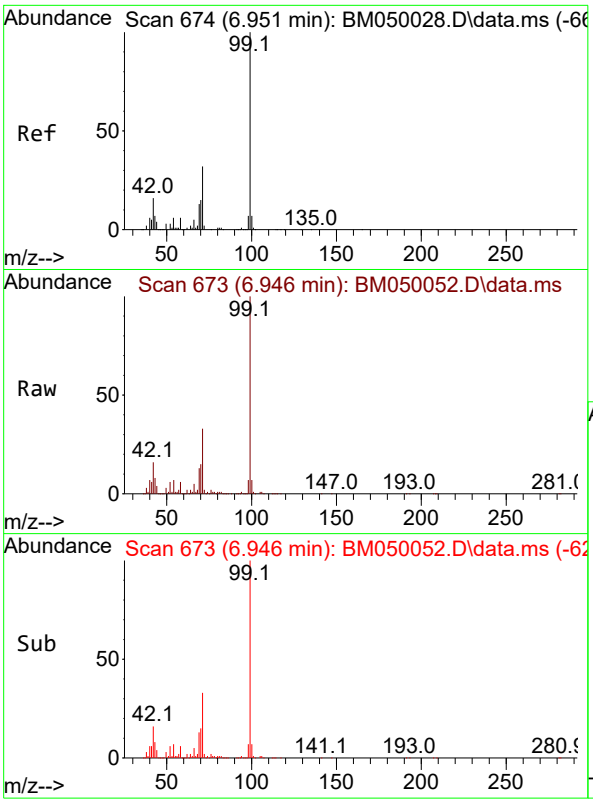


#6
Aniline
Concen: 43.142 ng
RT: 7.093 min Scan# 698
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion: 93 Resp: 964706

Ion	Ratio	Lower	Upper
93	100		
66	37.2	29.9	44.9
65	19.0	14.5	21.7



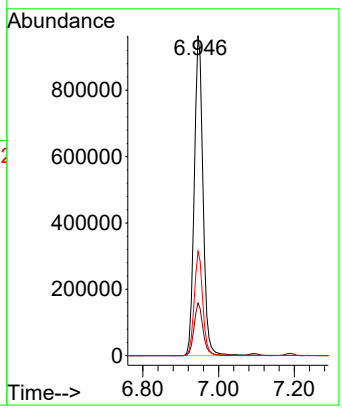


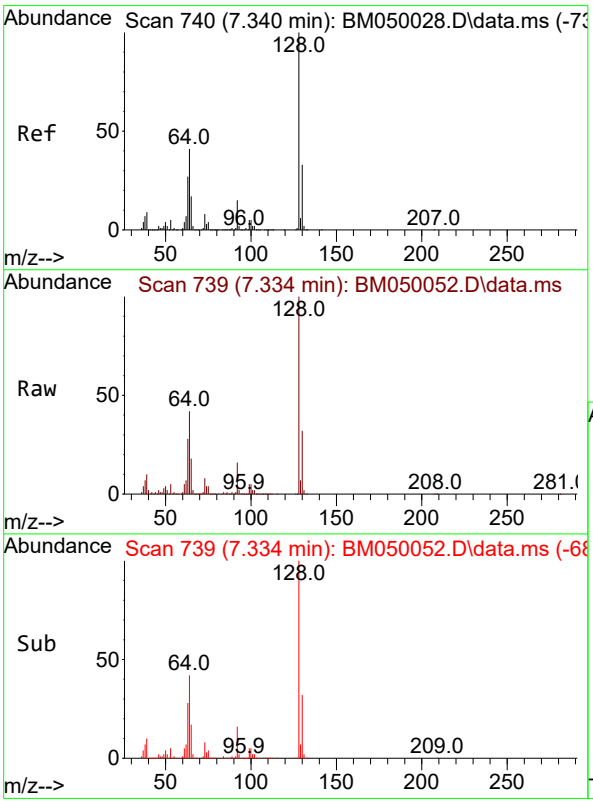
#7
Phenol-d6
Concen: 88.206 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 99 Resp: 1561987

Ion	Ratio	Lower	Upper
99	100		
42	16.4	13.0	19.4
71	32.6	25.6	38.4

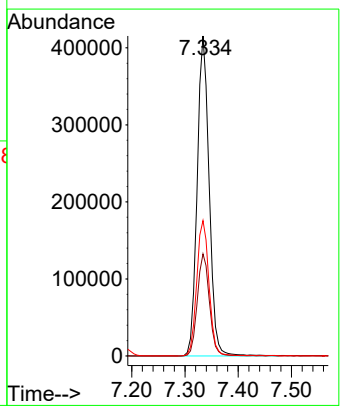


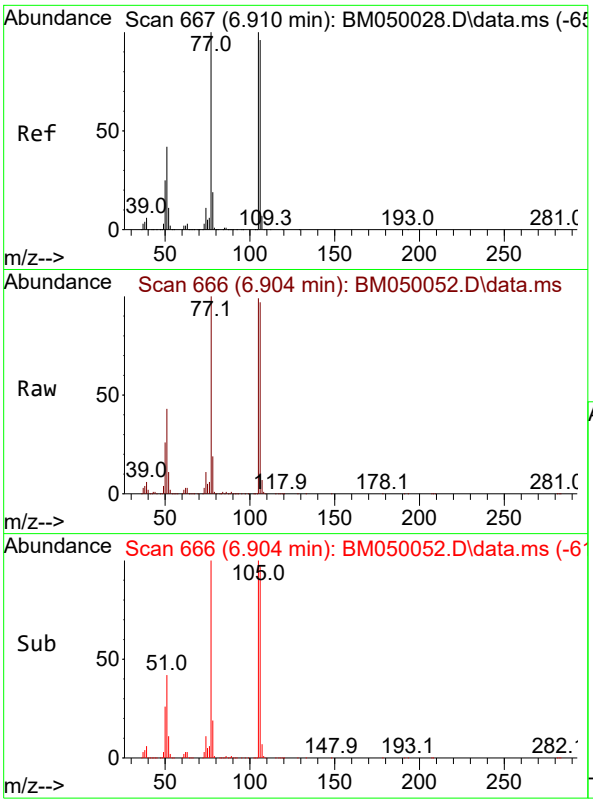


#8
2-Chlorophenol
Concen: 42.642 ng
RT: 7.334 min Scan# 739
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion:128 Resp: 649598

Ion	Ratio	Lower	Upper
128	100		
130	31.9	12.8	52.8
64	42.3	21.2	61.2



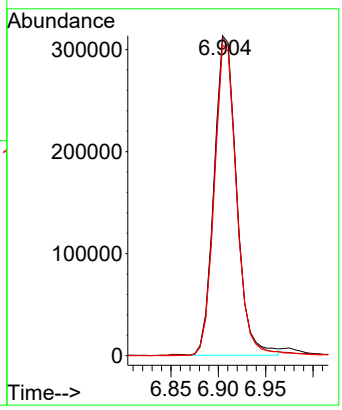


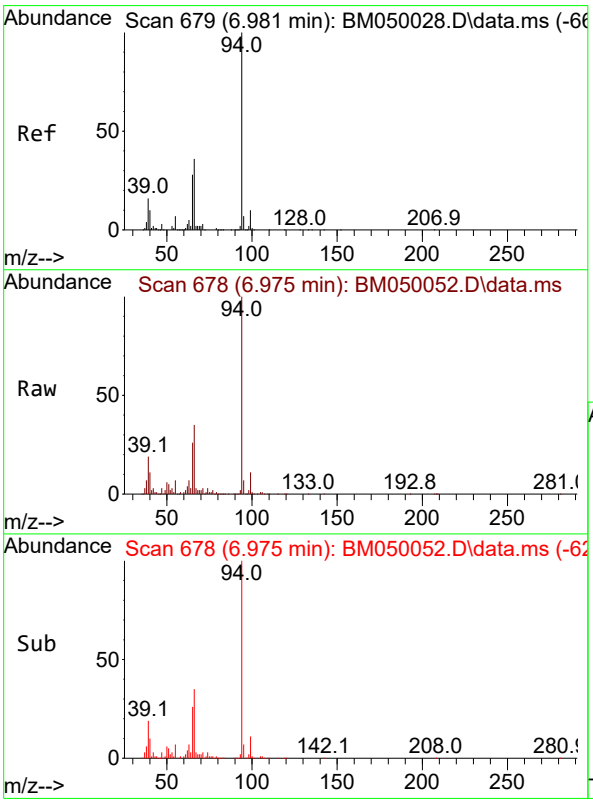
#9
Benzaldehyde
Concen: 43.570 ng
RT: 6.904 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 516330

Ion	Ratio	Lower	Upper
77	100		
105	99.4	80.5	120.5
106	97.2	76.1	116.1

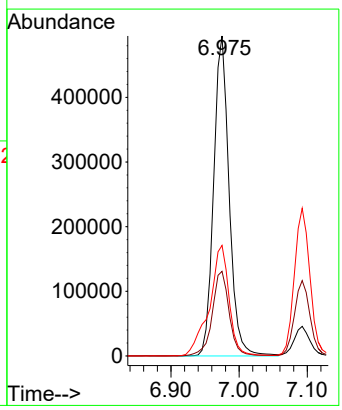


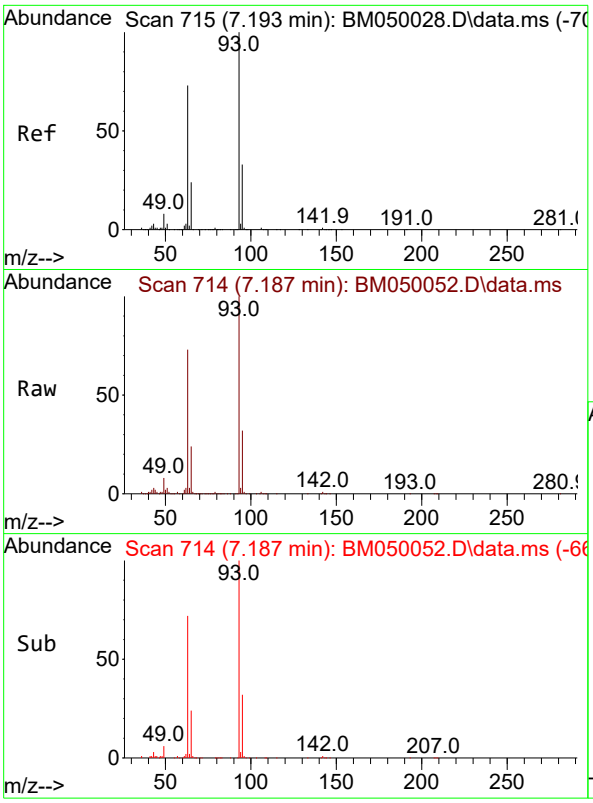


#10
Phenol
Concen: 43.645 ng
RT: 6.975 min Scan# 678
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion: 94 Resp: 782417

Ion	Ratio	Lower	Upper
94	100		
65	26.5	7.6	47.6
66	34.5	15.8	55.8



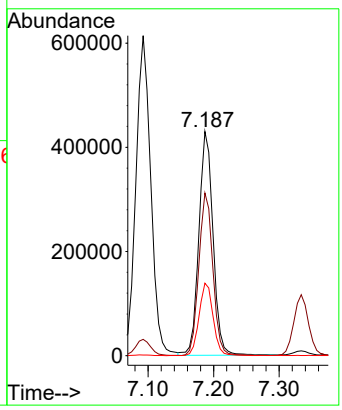


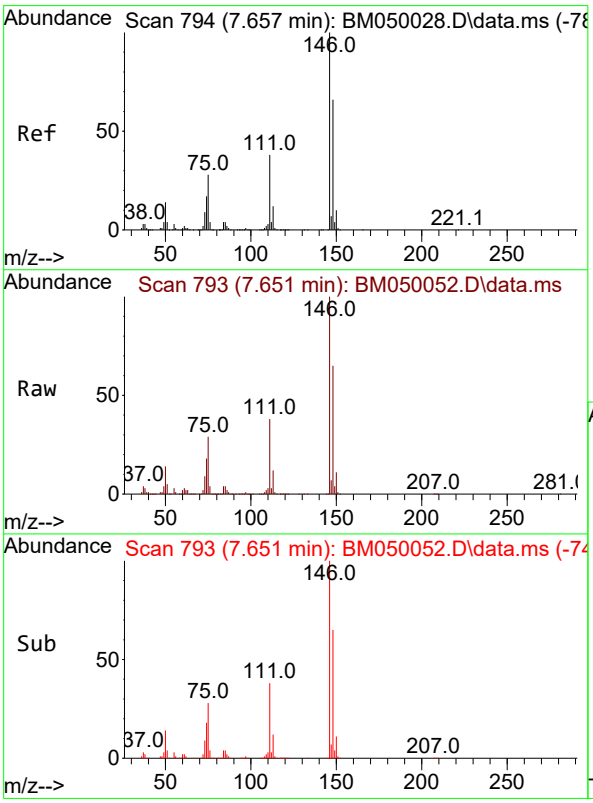
#11
bis(2-Chloroethyl)ether
Concen: 43.225 ng
RT: 7.187 min Scan# 7
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 93 Resp: 647045

Ion	Ratio	Lower	Upper
93	100		
63	72.6	52.3	92.3
95	32.4	12.8	52.8

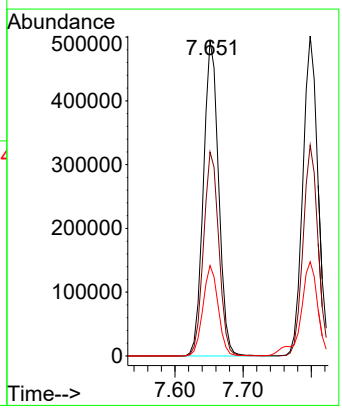


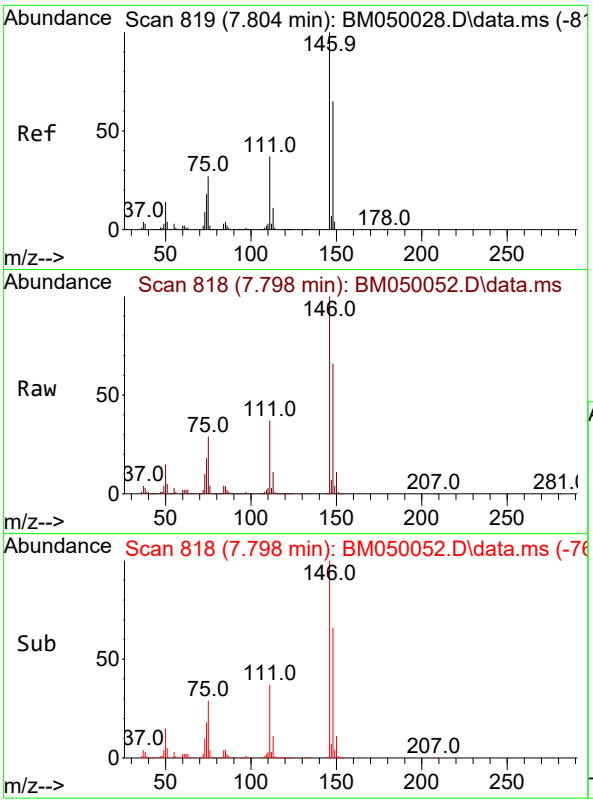


#12
1,3-Dichlorobenzene
Concen: 41.739 ng
RT: 7.651 min Scan# 793
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion:146 Resp: 768066

Ion	Ratio	Lower	Upper
146	100		
148	64.7	52.5	78.7
75	28.6	22.6	34.0



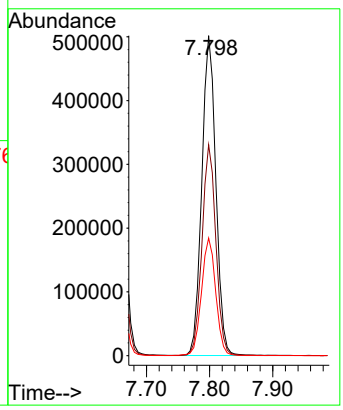


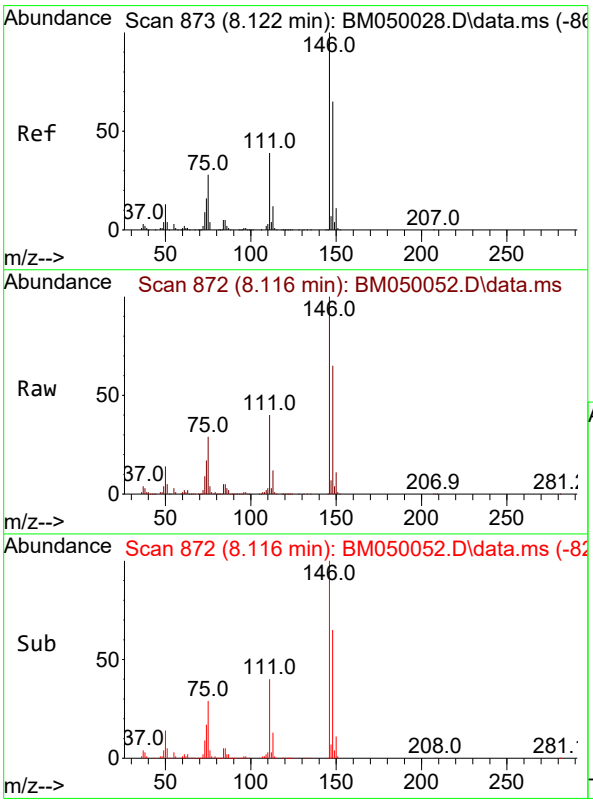
#13
1,4-Dichlorobenzene
Concen: 42.030 ng
RT: 7.798 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:146 Resp: 776993

Ion	Ratio	Lower	Upper
146	100		
148	65.9	52.2	78.2
111	36.7	29.3	43.9

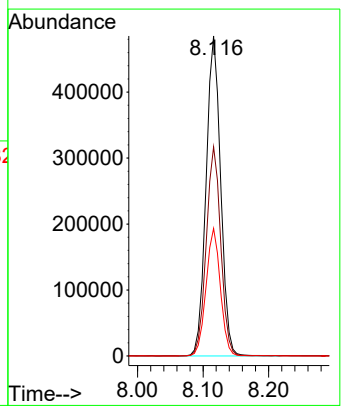


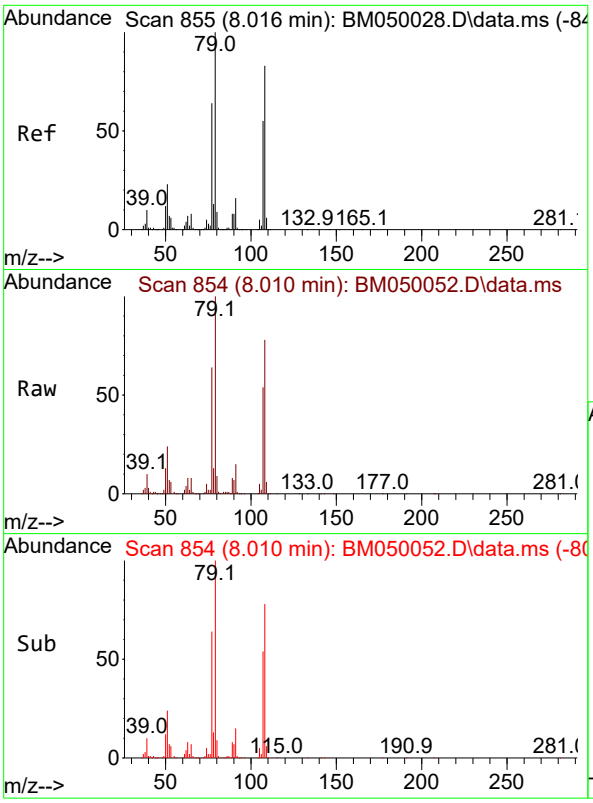


#14
1,2-Dichlorobenzene
Concen: 42.002 ng
RT: 8.116 min Scan# 872
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion:146 Resp: 750047

Ion	Ratio	Lower	Upper
146	100		
148	65.4	52.4	78.6
111	39.8	31.0	46.6



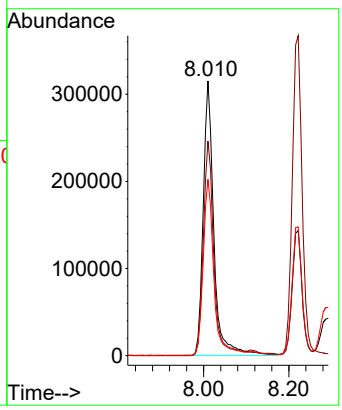


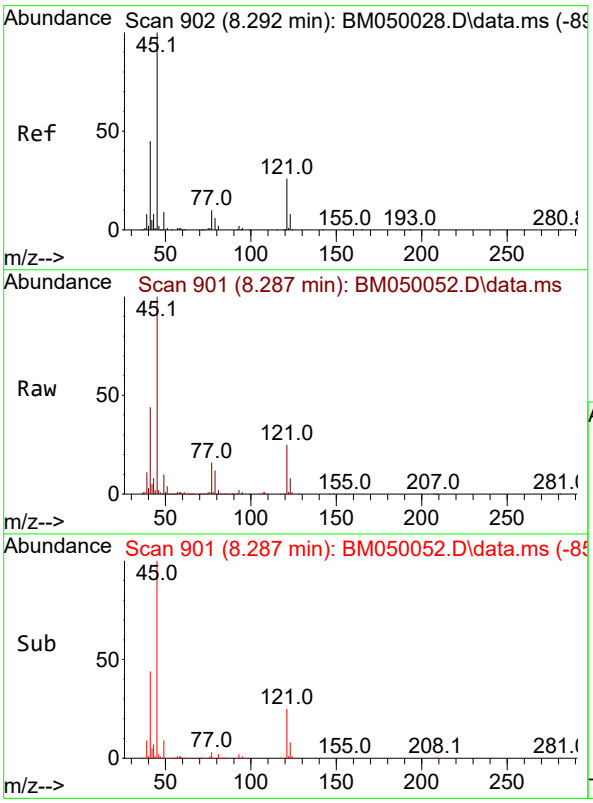
#15
Benzyl Alcohol
Concen: 44.486 ng
RT: 8.010 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 546315

Ion	Ratio	Lower	Upper
79	100		
108	78.1	66.0	99.0
77	64.2	51.6	77.4

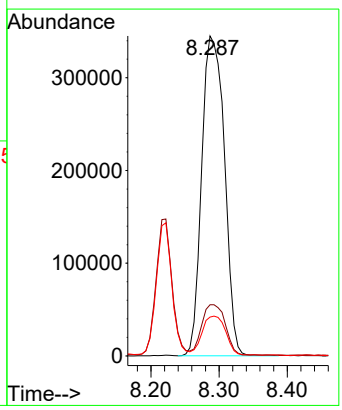


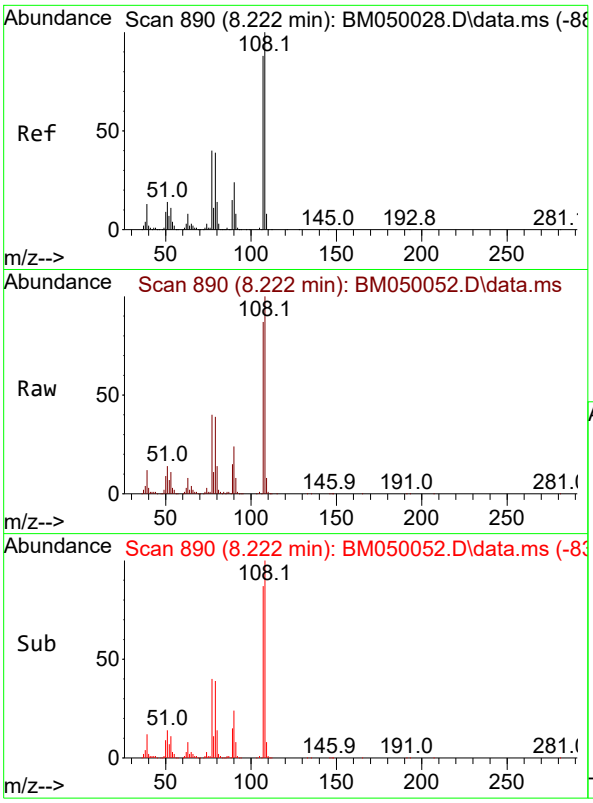


#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.015 ng
RT: 8.287 min Scan# 901
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion: 45 Resp: 800911

Ion	Ratio	Lower	Upper
45	100		
77	16.0	0.0	36.4
79	12.2	0.0	32.7



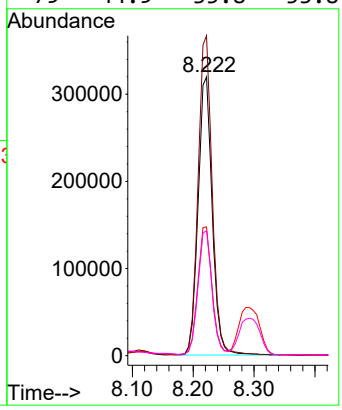


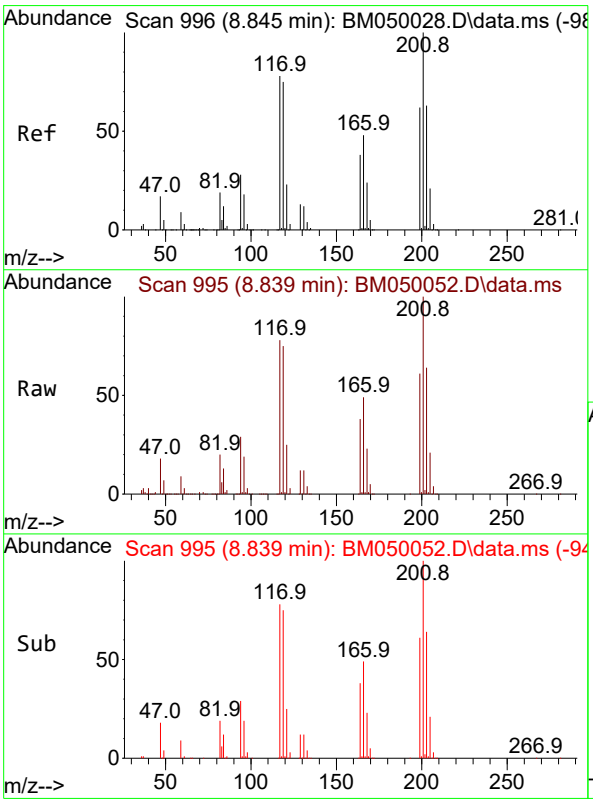
#17
2-Methylphenol
Concen: 43.512 ng
RT: 8.222 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:107 Resp: 513868

Ion	Ratio	Lower	Upper
107	100		
108	114.8	91.1	136.7
77	46.2	36.2	54.4
79	44.9	35.8	53.8

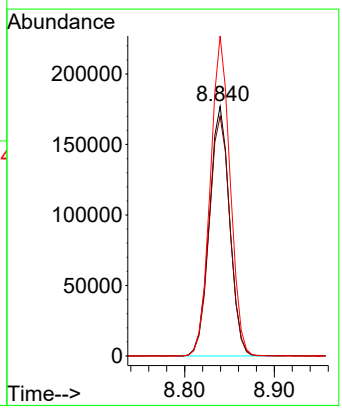


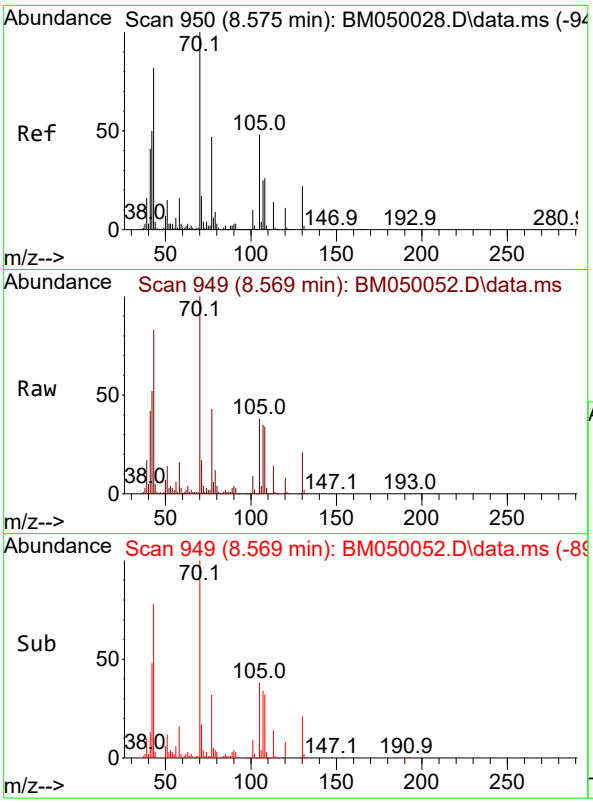


#18
Hexachloroethane
Concen: 42.272 ng
RT: 8.839 min Scan# 995
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion:117 Resp: 277797

Ion	Ratio	Lower	Upper
117	100		
119	96.0	77.3	115.9
201	128.2	102.8	154.2



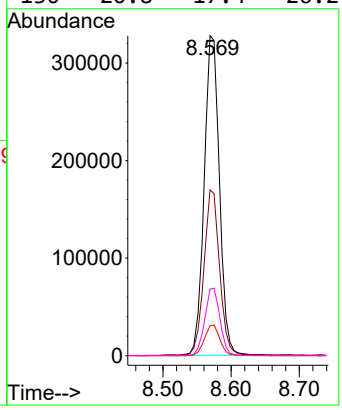


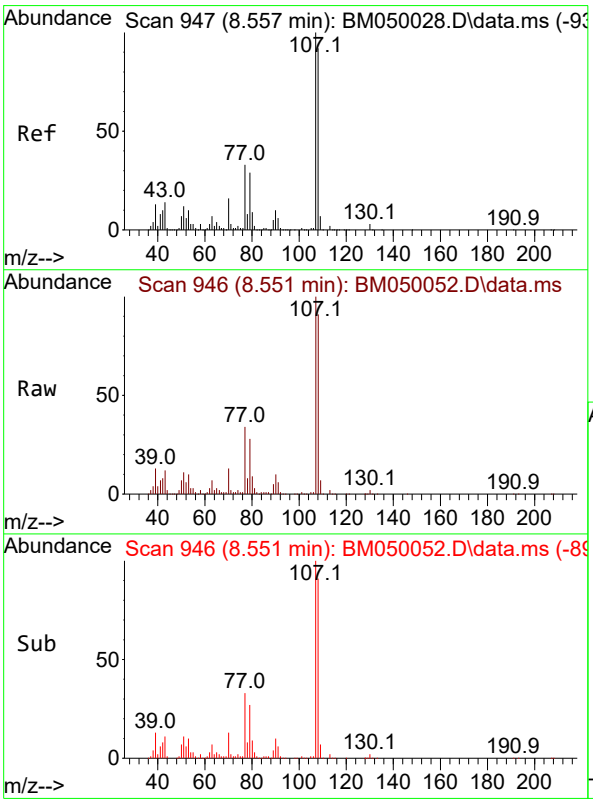
#19
n-Nitroso-di-n-propylamine
Concen: 44.920 ng
RT: 8.569 min Scan# 94
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 70 Resp: 510171

Ion	Ratio	Lower	Upper
70	100		
42	51.8	40.5	60.7
101	9.3	7.8	11.6
130	20.8	17.4	26.2

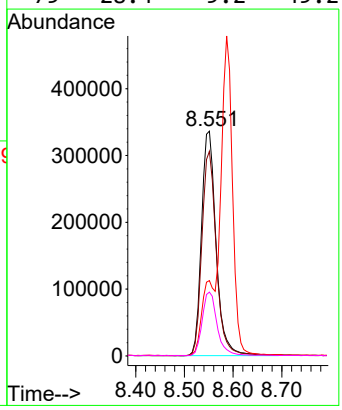


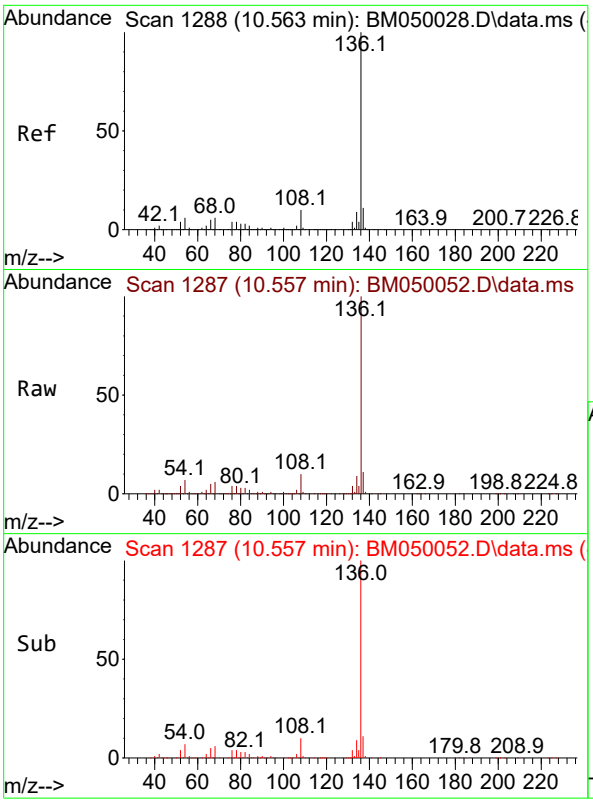


#20
3+4-Methylphenols
Concen: 43.886 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion:107 Resp: 699911

Ion	Ratio	Lower	Upper
107	100		
108	91.0	72.4	112.4
77	33.5	13.6	53.6
79	28.4	9.2	49.2



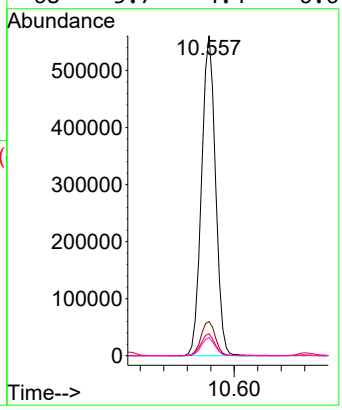


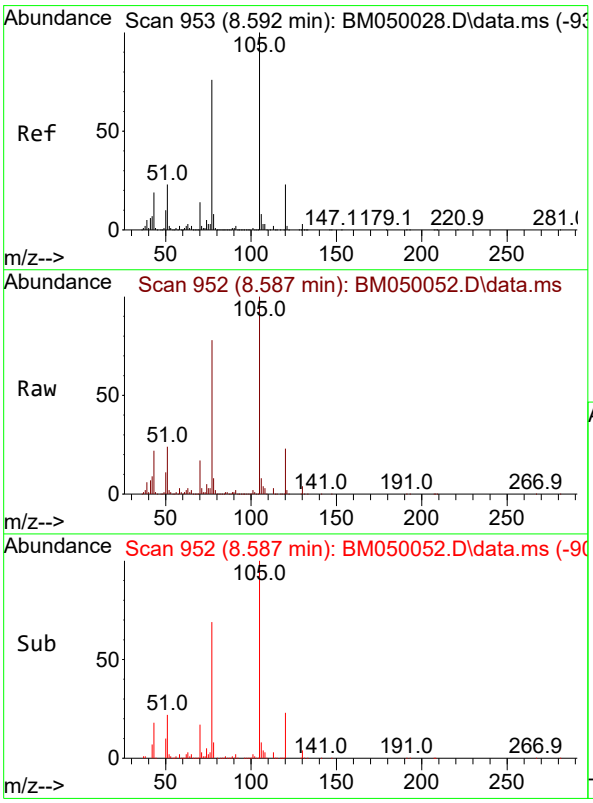
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:136 Resp: 921631

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	6.8	5.1	7.7
68	5.7	4.4	6.6

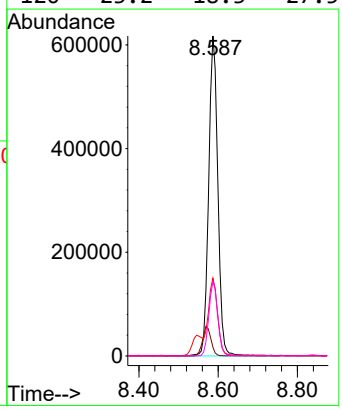


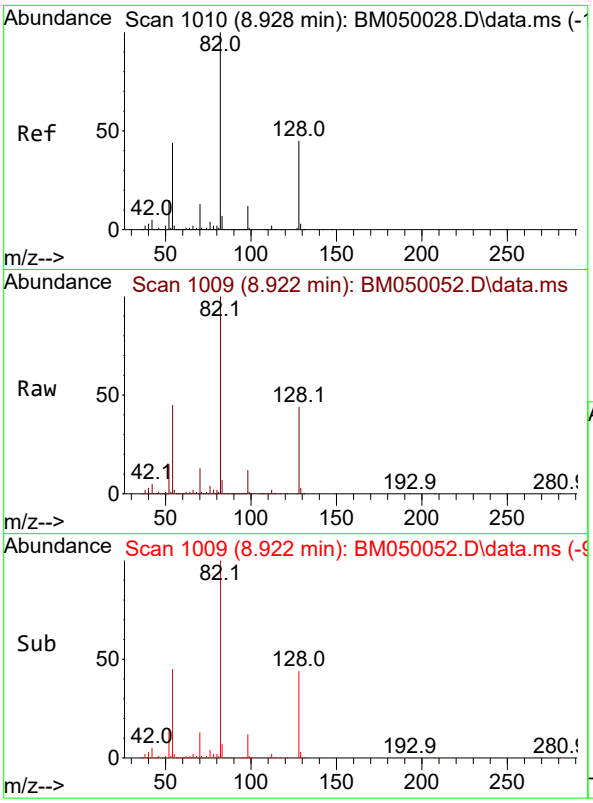


#22
Acetophenone
Concen: 43.348 ng
RT: 8.587 min Scan# 952
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion:105 Resp: 993242

Ion	Ratio	Lower	Upper
105	100		
71	2.7	1.7	2.5#
51	24.3	18.6	27.8
120	23.2	18.3	27.5



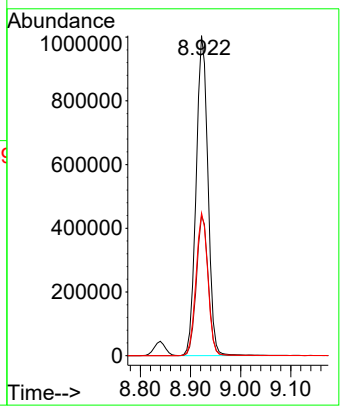


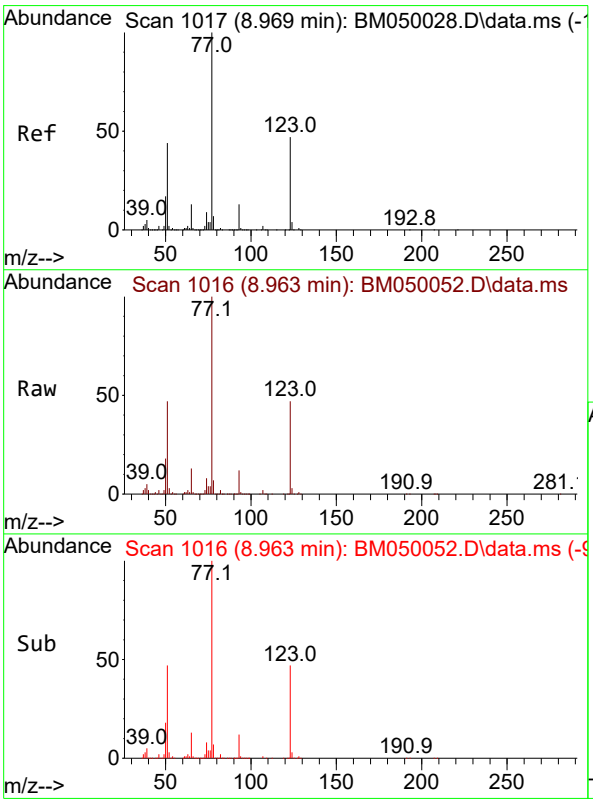
#23
Nitrobenzene-d5
Concen: 87.722 ng
RT: 8.922 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 1640689

Ion	Ratio	Lower	Upper
82	100		
128	43.7	35.7	53.5
54	44.6	35.4	53.2

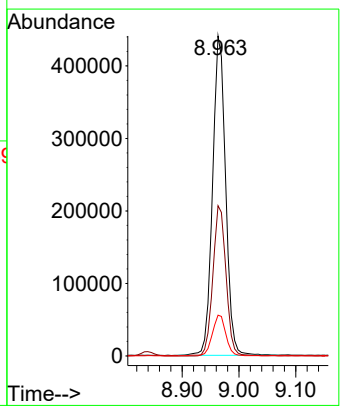


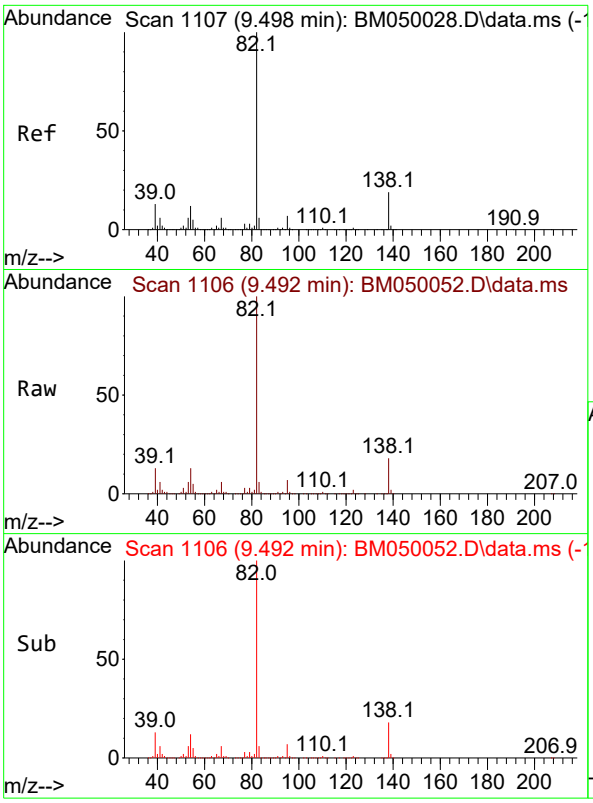


#24
Nitrobenzene
Concen: 43.469 ng
RT: 8.963 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion: 77 Resp: 702988

Ion	Ratio	Lower	Upper
77	100		
123	47.0	37.9	56.9
65	12.8	10.1	15.1



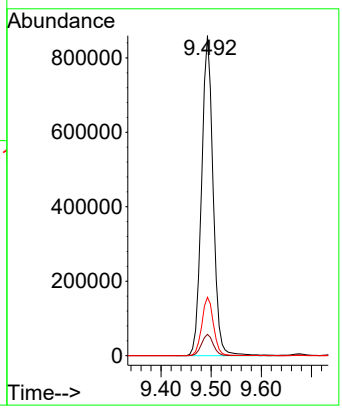


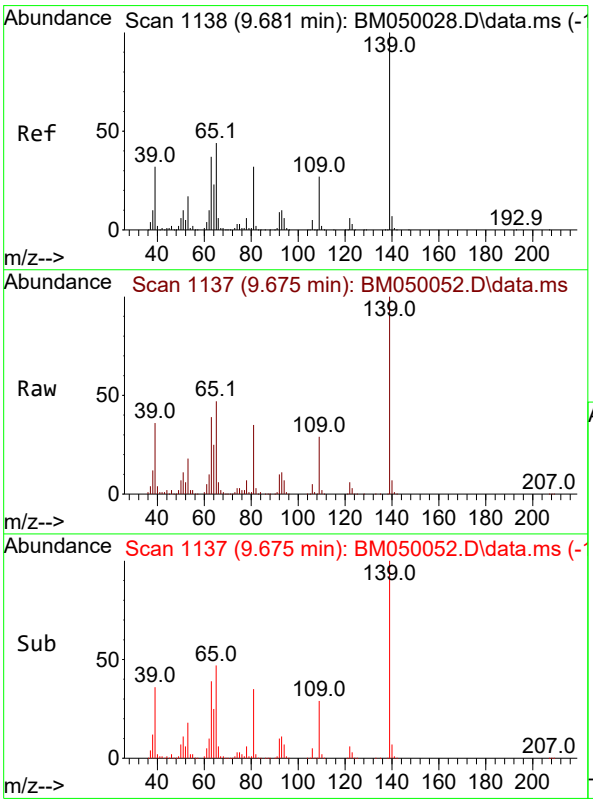
#25
Isophorone
Concen: 43.006 ng
RT: 9.492 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 1371097

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.7	8.5
138	18.2	15.5	23.3

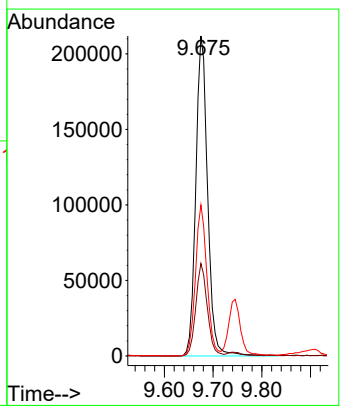


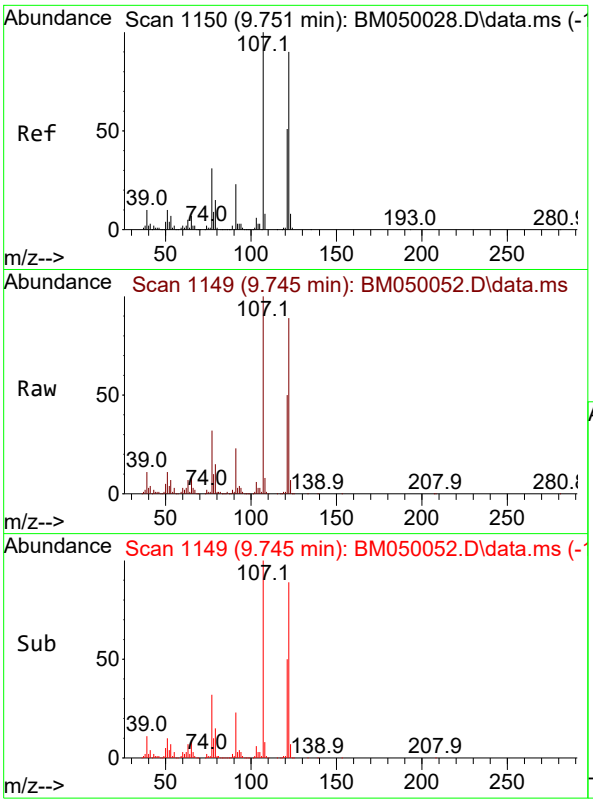


#26
2-Nitrophenol
Concen: 43.526 ng
RT: 9.675 min Scan# 1137
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion:139 Resp: 359603

Ion	Ratio	Lower	Upper
139	100		
109	28.9	21.9	32.9
65	47.2	35.4	53.2



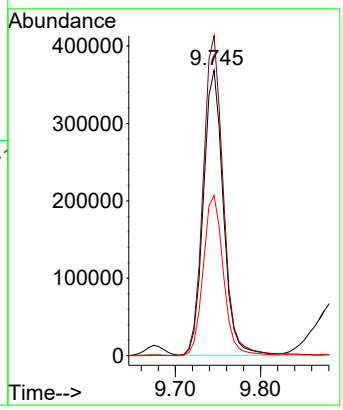


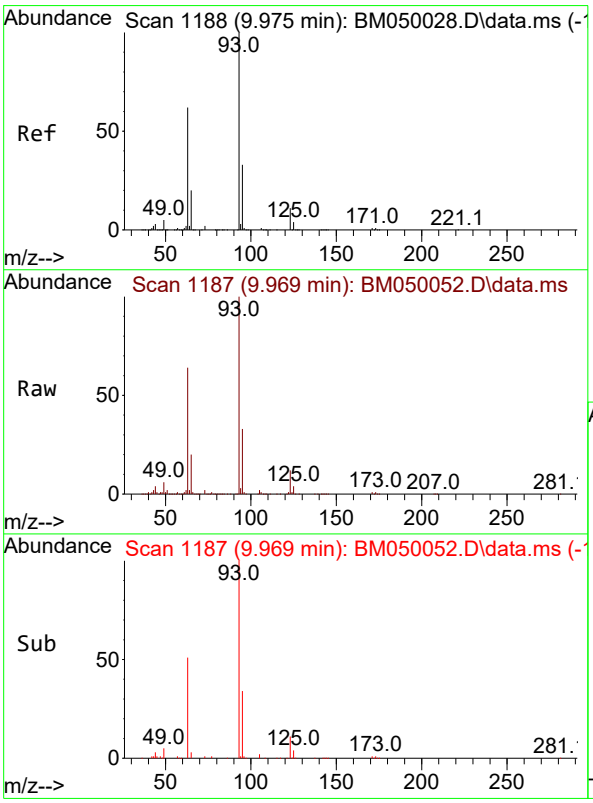
#27
2,4-Dimethylphenol
Concen: 43.659 ng
RT: 9.745 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:122 Resp: 598184

Ion	Ratio	Lower	Upper
122	100		
107	112.2	89.0	133.6
121	56.2	45.6	68.4

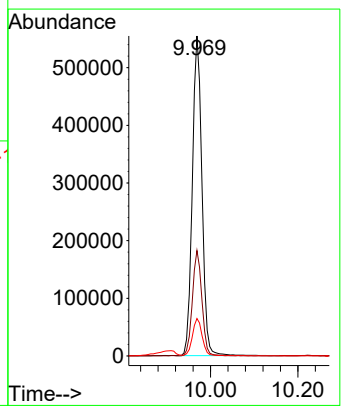


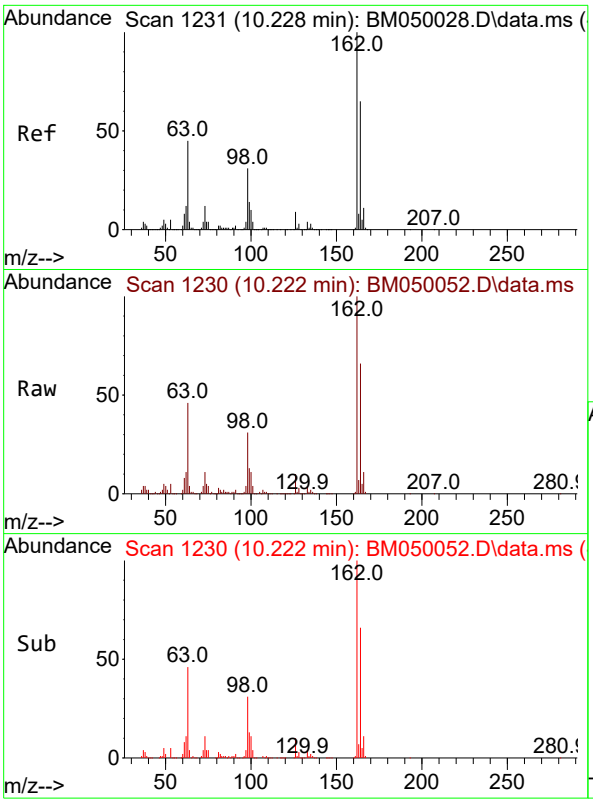


#28
bis(2-Chloroethoxy)methane
Concen: 43.130 ng
RT: 9.969 min Scan# 1187
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion: 93 Resp: 849883

Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.1	39.1
123	11.7	9.5	14.3



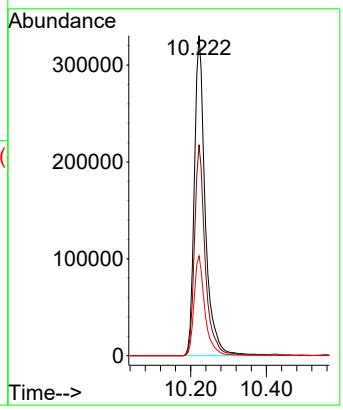


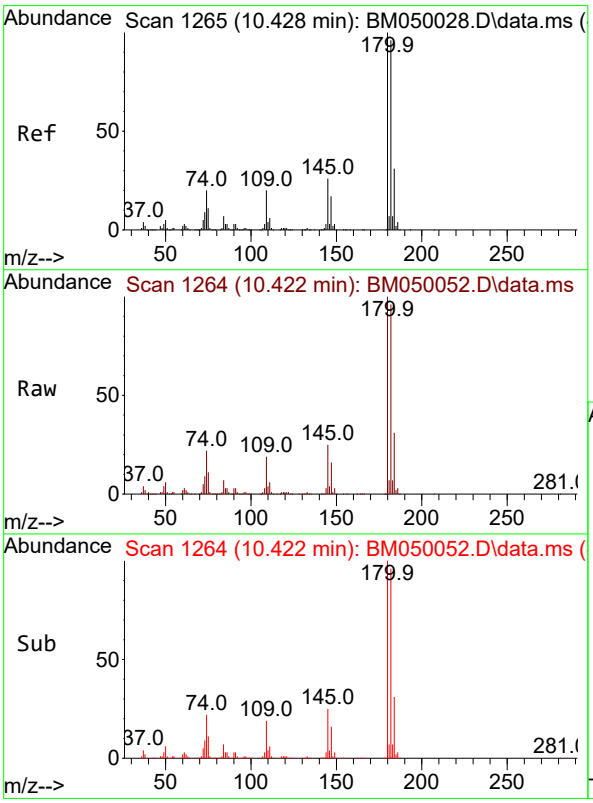
#29
2,4-Dichlorophenol
Concen: 43.323 ng
RT: 10.222 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 664982

Ion	Ratio	Lower	Upper
162	100		
164	65.9	45.4	85.4
98	31.1	11.3	51.3

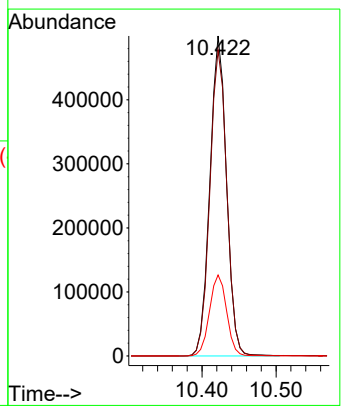


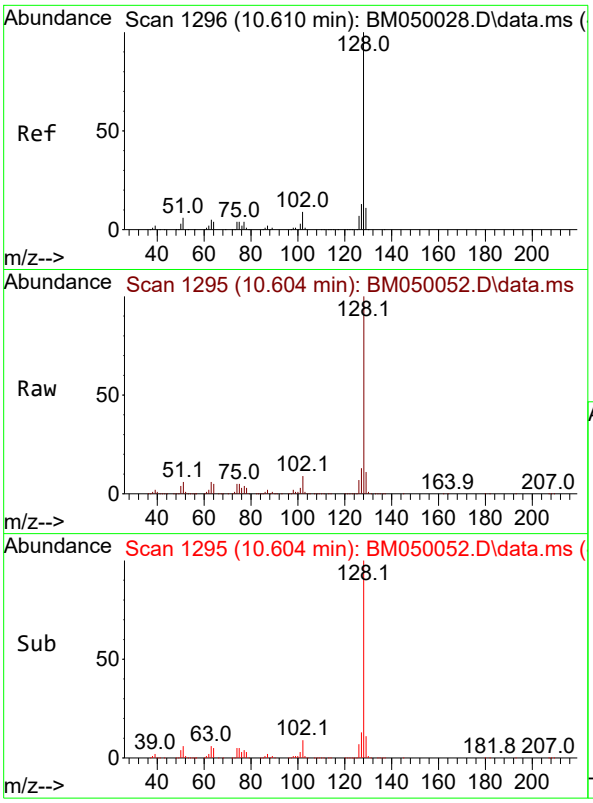


#30
1,2,4-Trichlorobenzene
Concen: 41.651 ng
RT: 10.422 min Scan# 1264
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion:180 Resp: 778919

Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.0	115.4
145	25.3	20.6	30.8



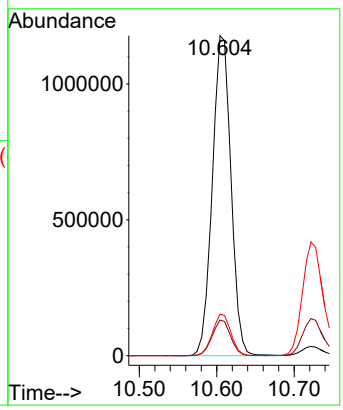


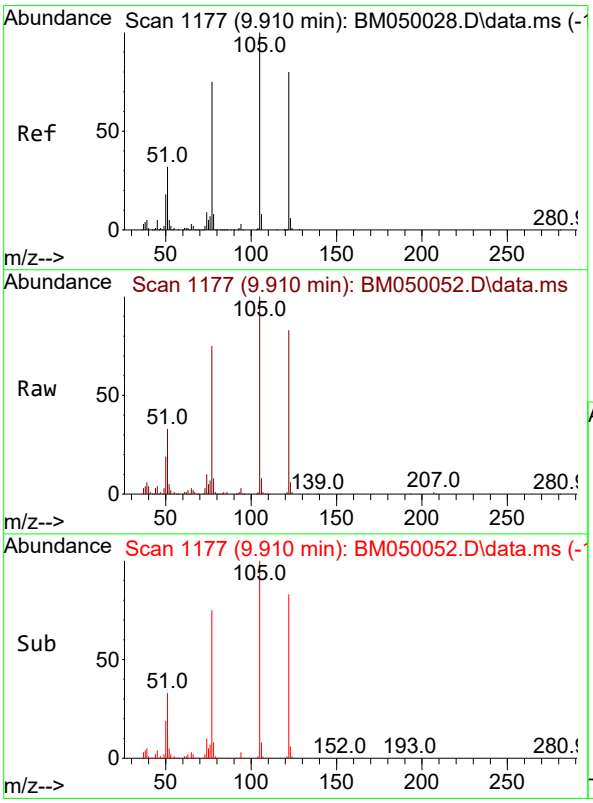
#31
Naphthalene
Concen: 42.163 ng
RT: 10.604 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:128 Resp: 1967893

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	13.0	10.4	15.6

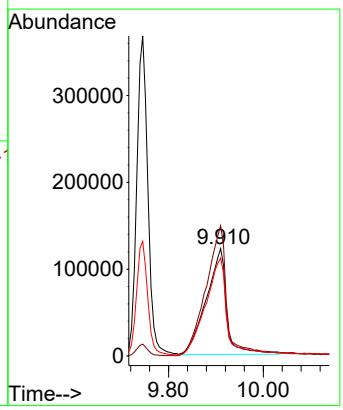


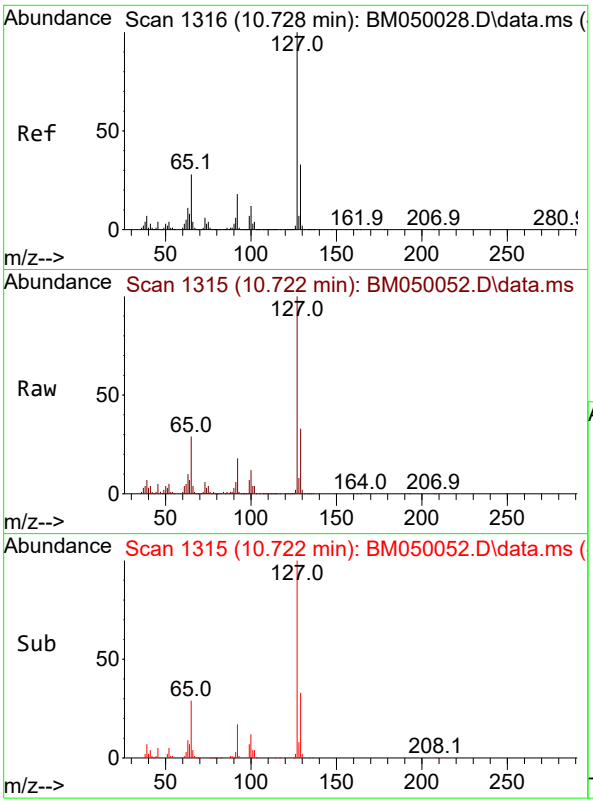


#32
Benzoic acid
Concen: 41.584 ng
RT: 9.910 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion:122 Resp: 364389

Ion	Ratio	Lower	Upper
122	100		
105	121.2	103.6	143.6
77	91.2	73.7	113.7



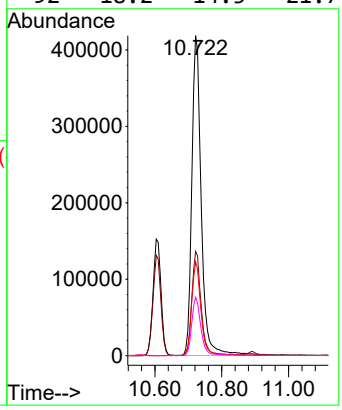


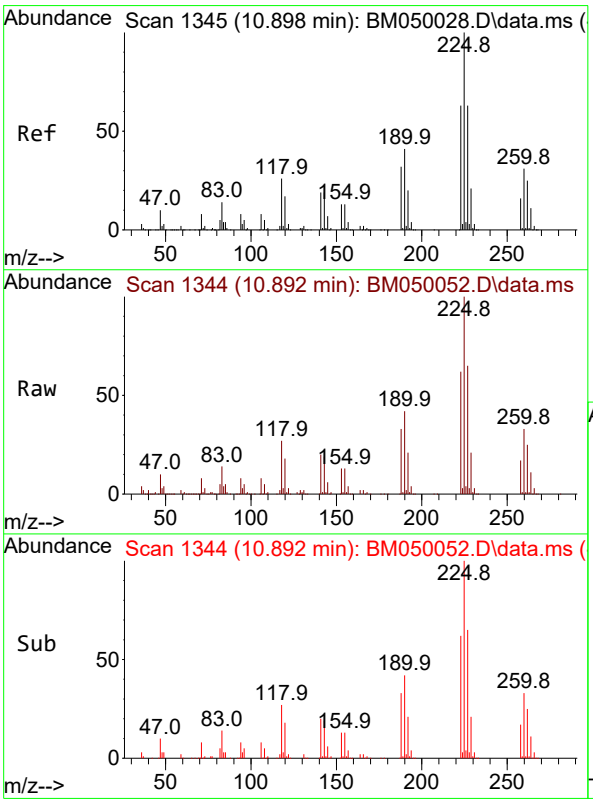
#33
4-Chloroaniline
Concen: 43.109 ng
RT: 10.722 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:127 Resp: 824706

Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.3	39.5
65	29.3	22.5	33.7
92	18.2	14.5	21.7

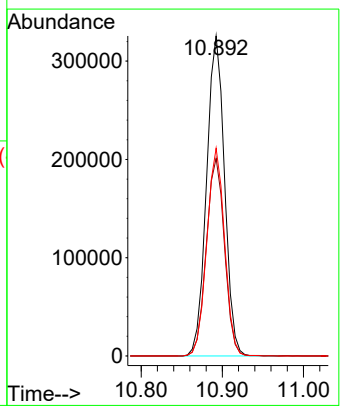


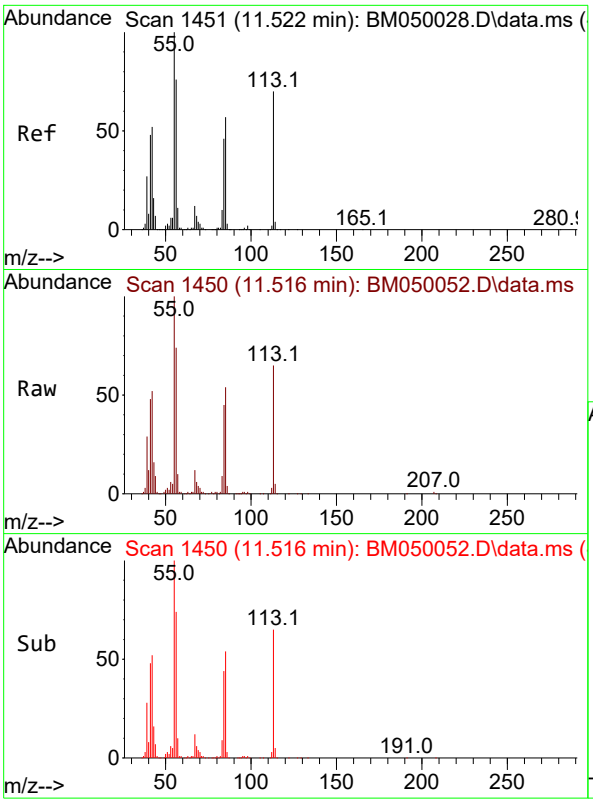


#34
Hexachlorobutadiene
Concen: 42.119 ng
RT: 10.892 min Scan# 1344
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion:225 Resp: 499984

Ion	Ratio	Lower	Upper
225	100		
223	61.8	50.2	75.2
227	64.9	50.6	76.0



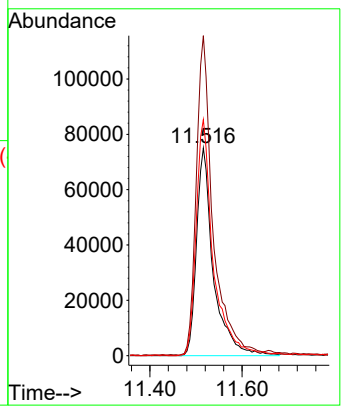


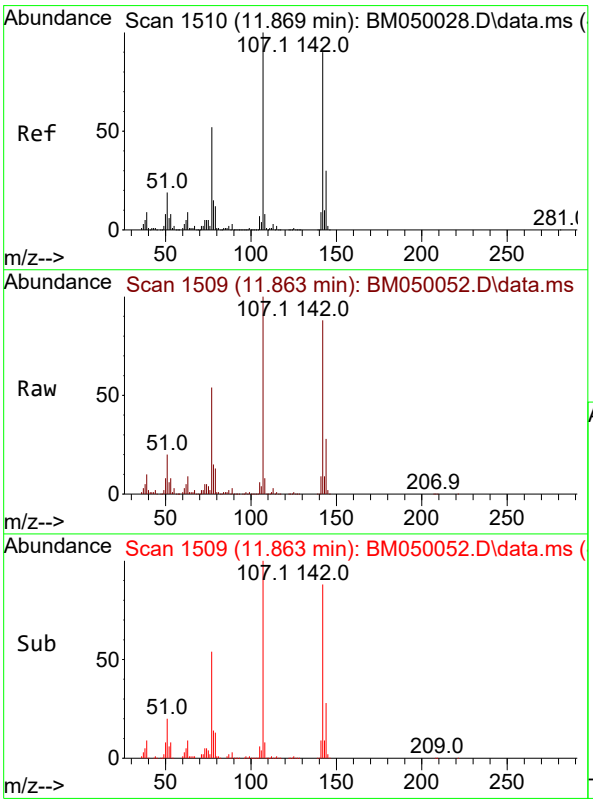
#35
Caprolactam
Concen: 42.512 ng
RT: 11.516 min Scan# 14
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:113 Resp: 190259

Ion	Ratio	Lower	Upper
113	100		
55	154.1	122.9	162.9
56	113.6	88.1	128.1

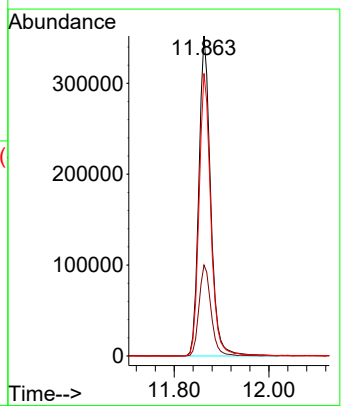


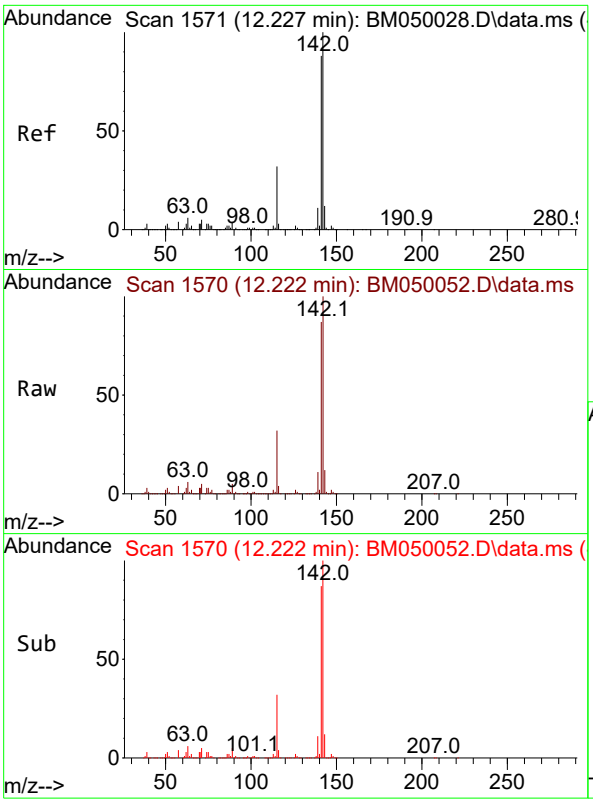


#36
4-Chloro-3-methylphenol
Concen: 42.764 ng
RT: 11.863 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion:107 Resp: 606439

Ion	Ratio	Lower	Upper
107	100		
144	28.4	23.8	35.6
142	88.3	71.9	107.9



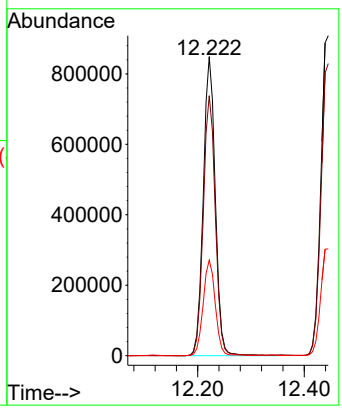


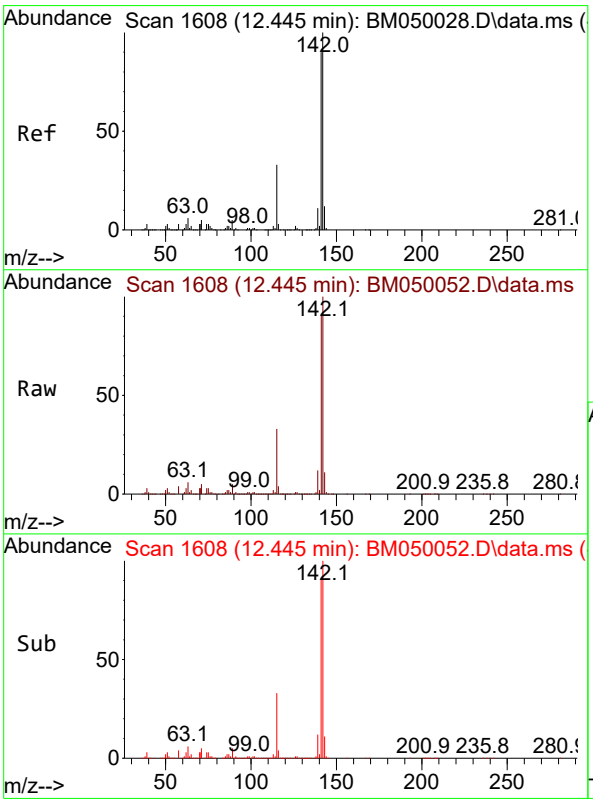
#37
2-Methylnaphthalene
Concen: 42.240 ng
RT: 12.222 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:142 Resp: 1321800

Ion	Ratio	Lower	Upper
142	100		
141	86.9	70.4	105.6
115	32.0	25.4	38.2

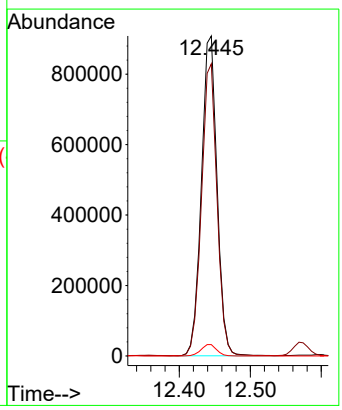


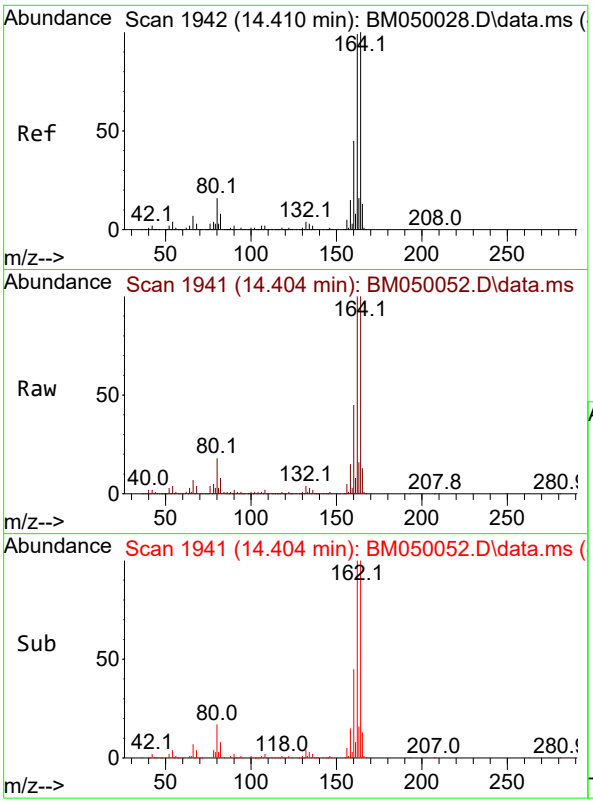


#38
1-Methylnaphthalene
Concen: 42.014 ng
RT: 12.445 min Scan# 1608
Delta R.T. 0.000 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion:142 Resp: 1391335

Ion	Ratio	Lower	Upper
142	100		
141	91.3	72.1	108.1
116	3.5	2.7	4.1



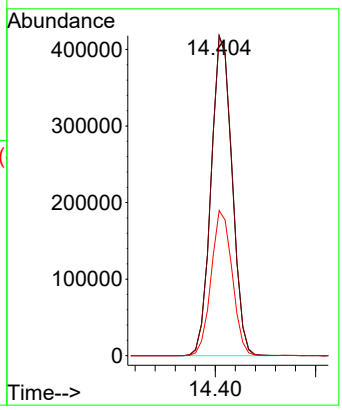


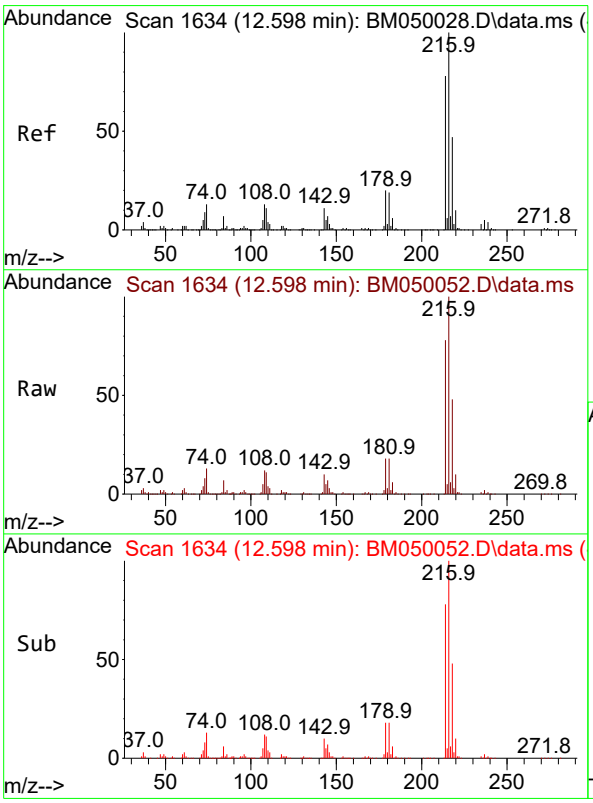
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:164 Resp: 608103

Ion	Ratio	Lower	Upper
164	100		
162	99.9	79.4	119.0
160	45.4	36.2	54.4

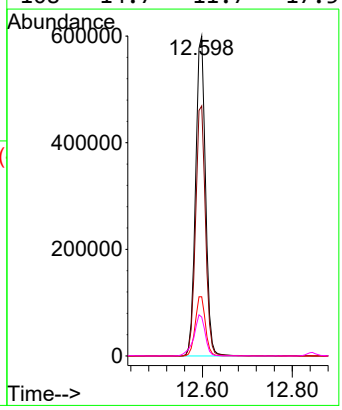


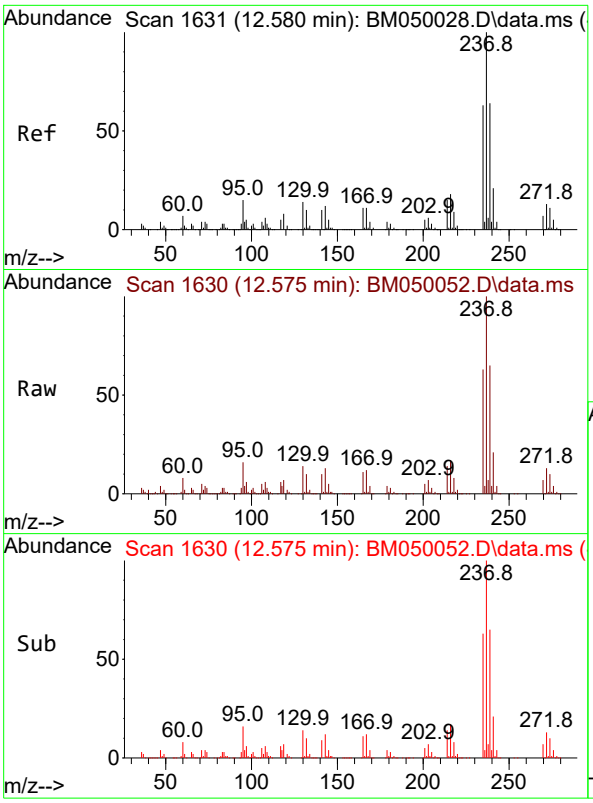


#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.583 ng
RT: 12.598 min Scan# 1634
Delta R.T. 0.000 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion:216 Resp: 917457

Ion	Ratio	Lower	Upper
216	100		
214	78.5	62.3	93.5
179	19.0	15.4	23.0
108	14.7	11.7	17.5



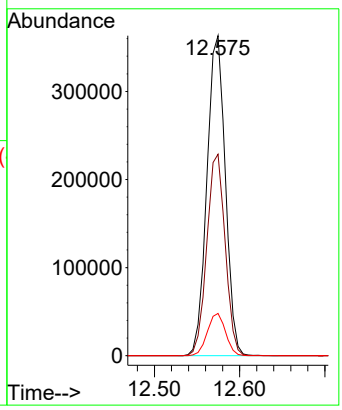


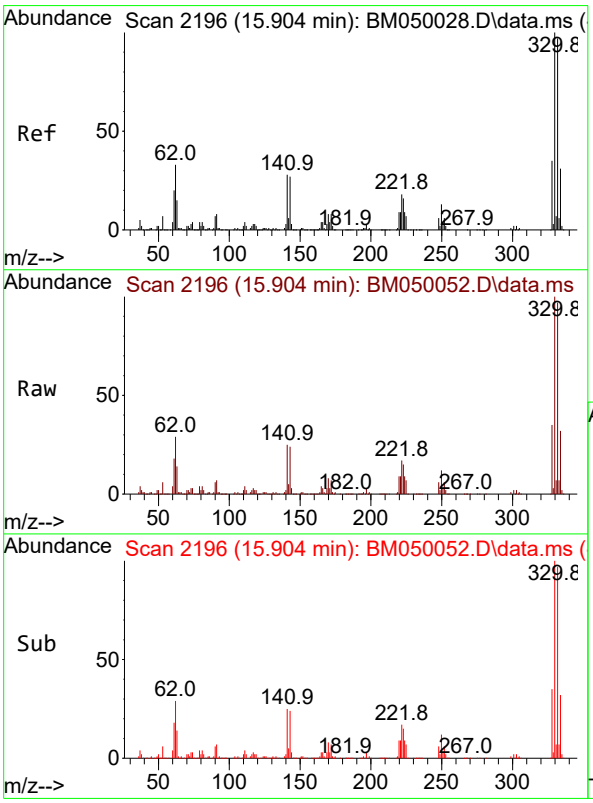
#41
Hexachlorocyclopentadiene
Concen: 42.359 ng
RT: 12.575 min Scan# 1
Delta R.T. -0.005 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:237 Resp: 544933

Ion	Ratio	Lower	Upper
237	100		
235	63.0	42.9	82.9
272	13.2	0.0	32.9

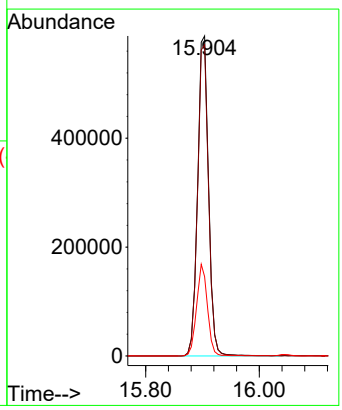


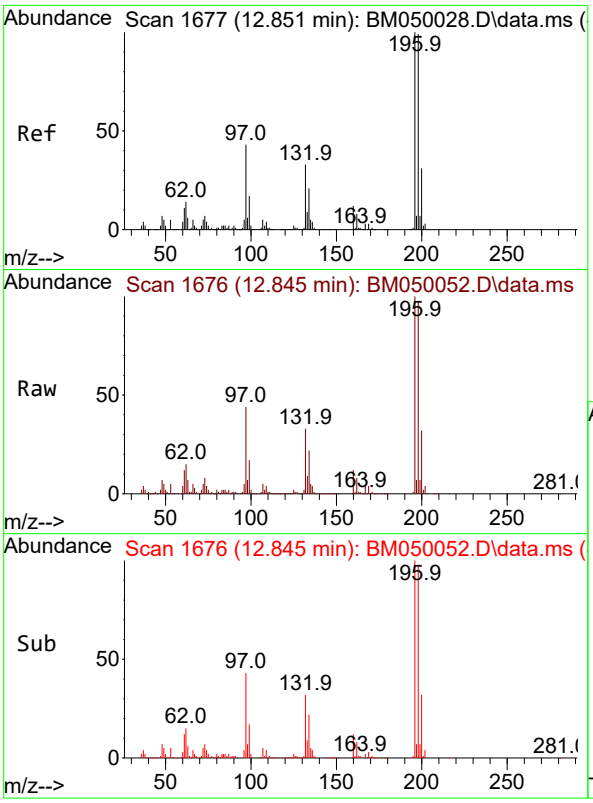


#42
2,4,6-Tribromophenol
Concen: 87.751 ng
RT: 15.904 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion:330 Resp: 789023

Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.3	115.9
141	28.6	22.5	33.7



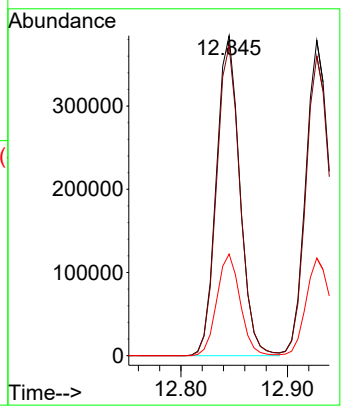


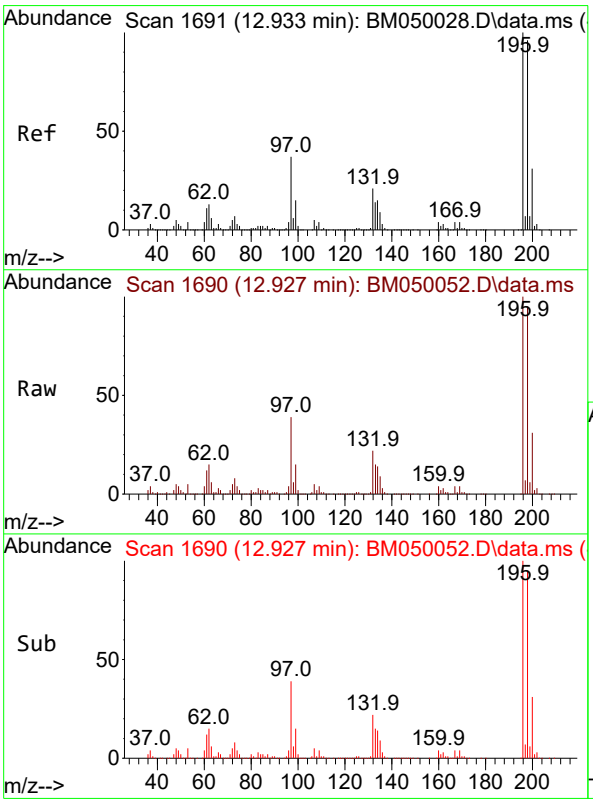
#43
2,4,6-Trichlorophenol
Concen: 43.991 ng
RT: 12.845 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:196 Resp: 587364

Ion	Ratio	Lower	Upper
196	100		
198	96.8	79.0	118.6
200	31.7	25.1	37.7

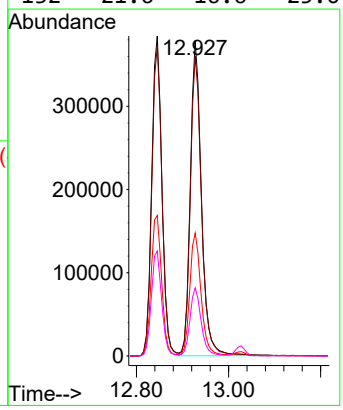


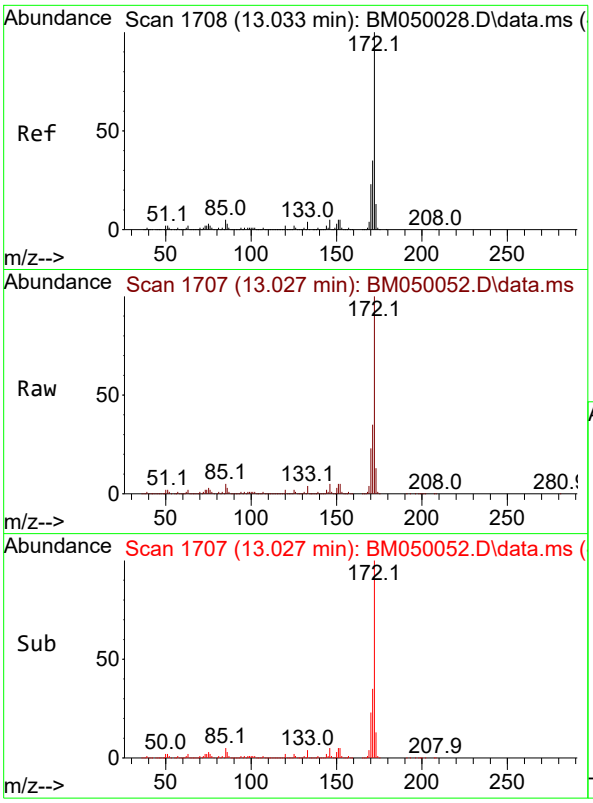


#44
2,4,5-Trichlorophenol
Concen: 44.136 ng
RT: 12.927 min Scan# 1690
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion:196 Resp: 635473

Ion	Ratio	Lower	Upper
196	100		
198	95.1	76.7	115.1
97	39.0	30.1	45.1
132	21.6	16.6	25.0



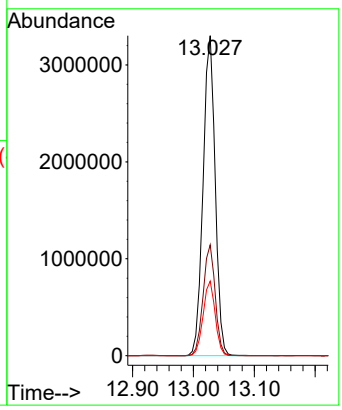


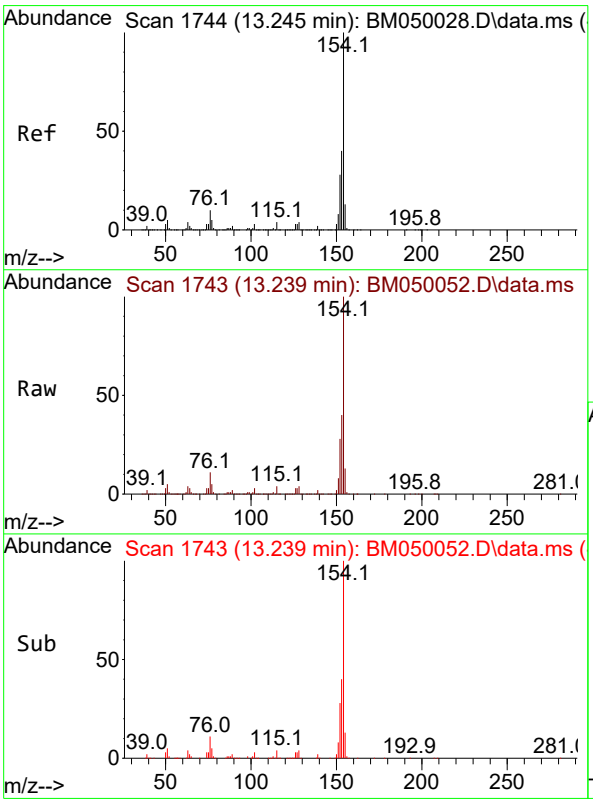
#45
2-Fluorobiphenyl
Concen: 88.649 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:172 Resp: 4556919

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.8	41.6
170	23.3	18.6	28.0

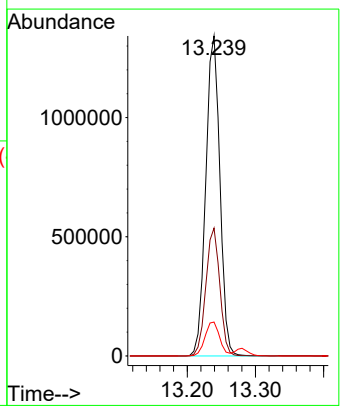


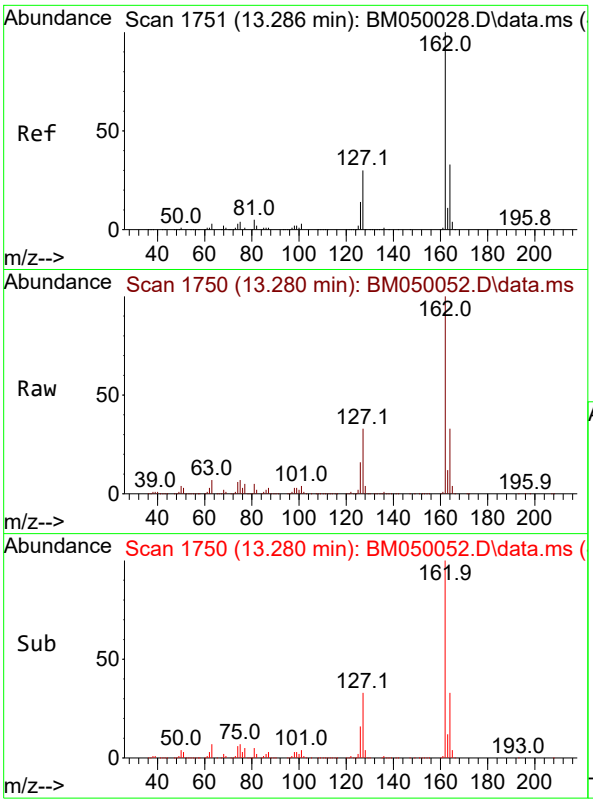


#46
1,1'-Biphenyl
Concen: 42.794 ng
RT: 13.239 min Scan# 1743
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion:154 Resp: 1934447

Ion	Ratio	Lower	Upper
154	100		
153	39.9	20.0	60.0
76	10.6	0.0	30.3



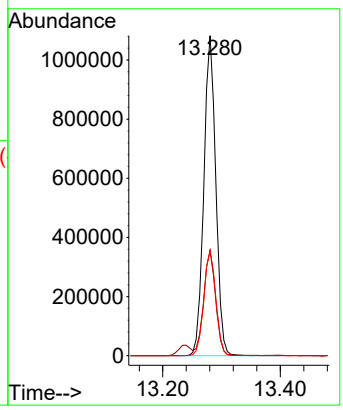


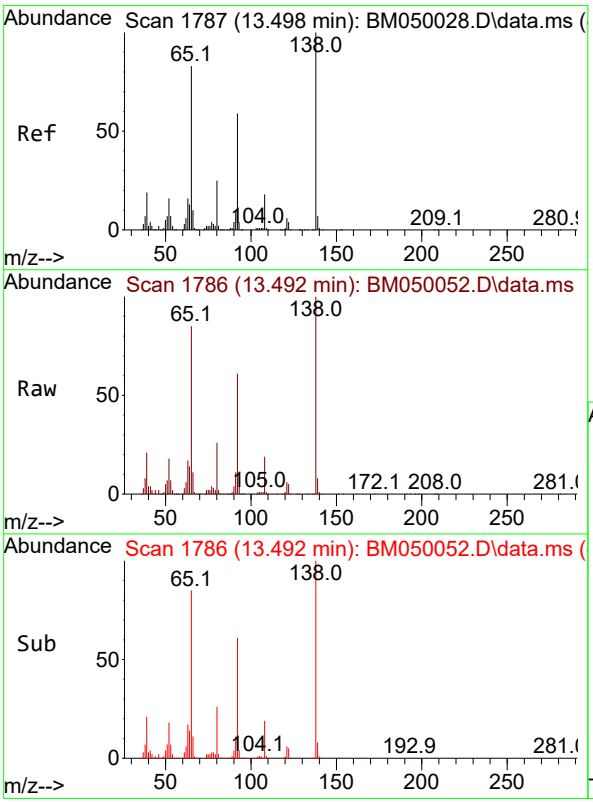
#47
2-Chloronaphthalene
Concen: 42.783 ng
RT: 13.280 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 1531682

Ion	Ratio	Lower	Upper
162	100		
127	32.8	25.9	38.9
164	33.0	26.6	40.0

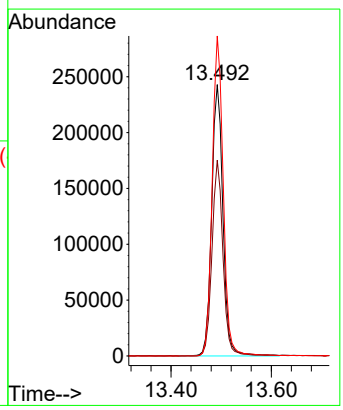


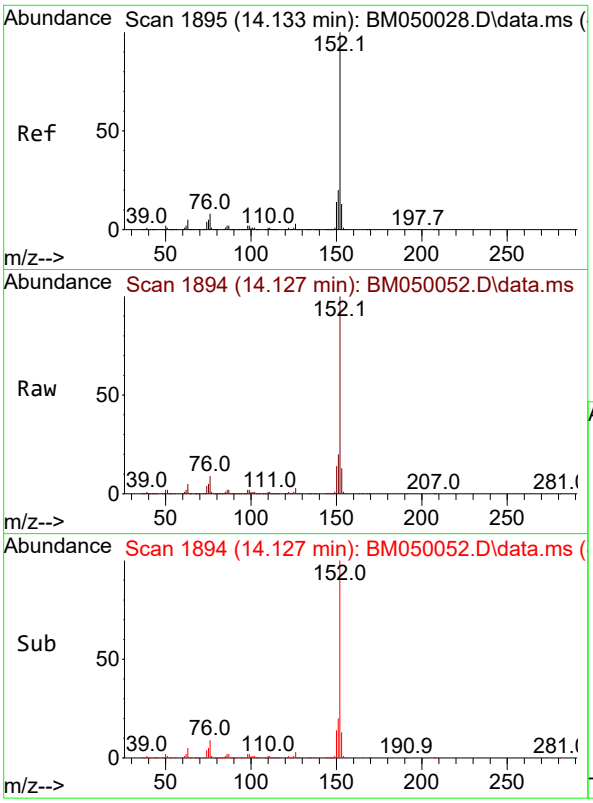


#48
2-Nitroaniline
Concen: 45.233 ng
RT: 13.492 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion: 65 Resp: 380074

Ion	Ratio	Lower	Upper
65	100		
92	72.2	57.1	85.7
138	117.9	97.0	145.4



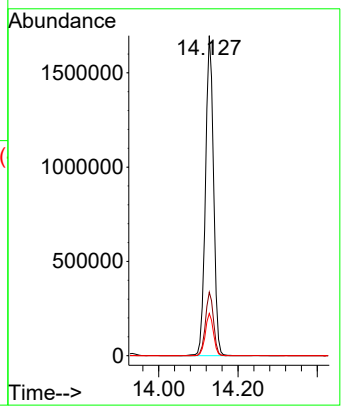


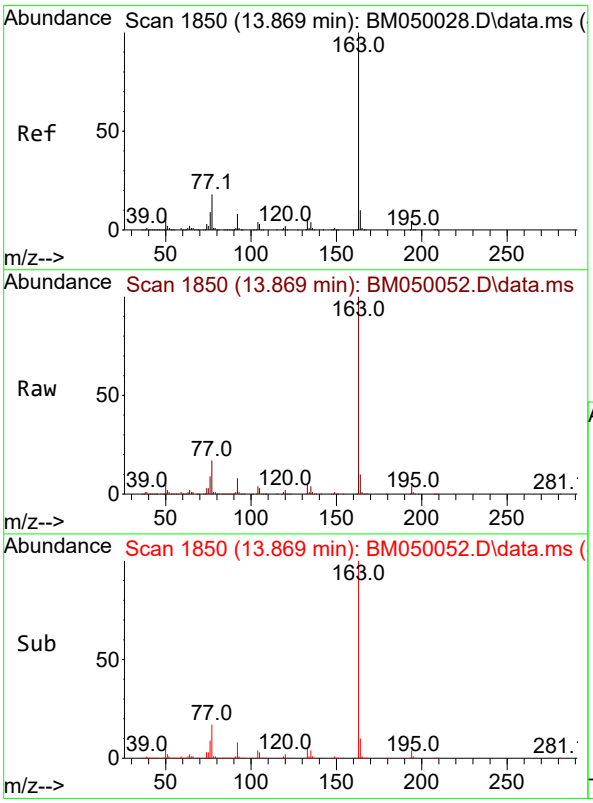
#49
Acenaphthylene
Concen: 42.671 ng
RT: 14.127 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 2408693

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.8
153	13.2	10.6	15.8

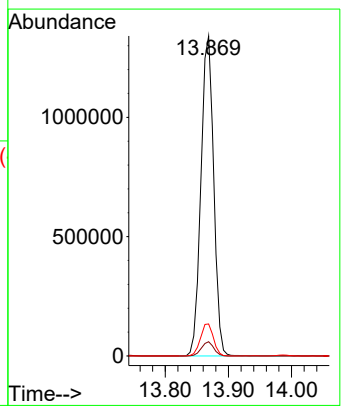


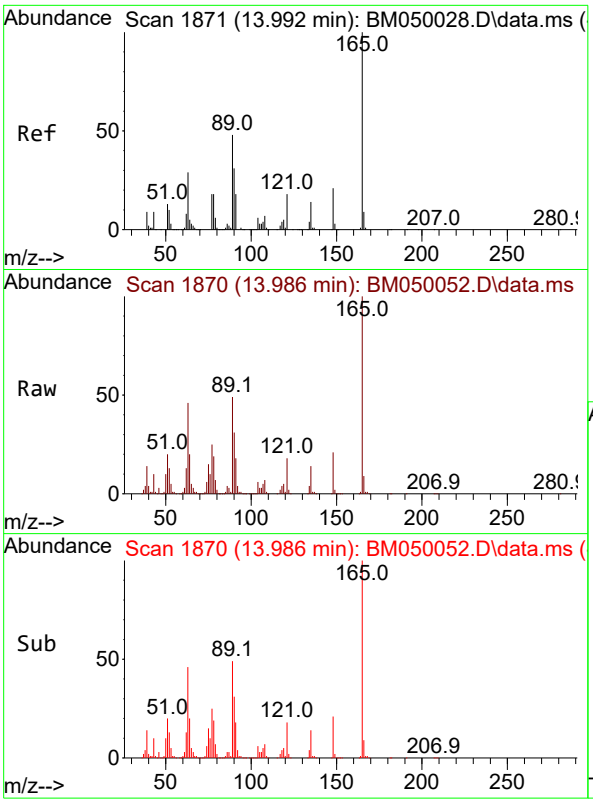


#50
Dimethylphthalate
Concen: 42.261 ng
RT: 13.869 min Scan# 1850
Delta R.T. 0.000 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion:163 Resp: 1878104

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.4	5.2
164	10.0	8.2	12.2



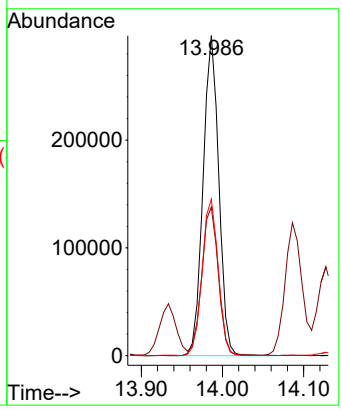


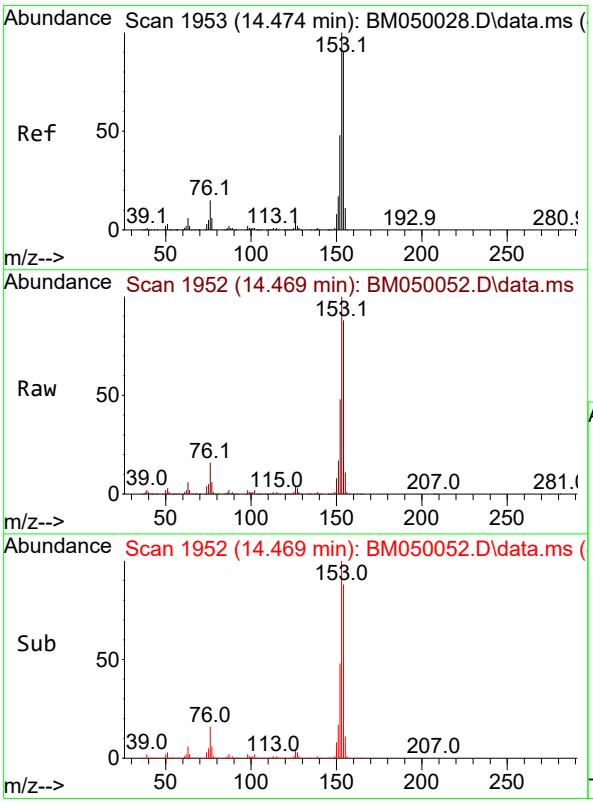
#51
2,6-Dinitrotoluene
Concen: 43.345 ng
RT: 13.986 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 398832

Ion	Ratio	Lower	Upper
165	100		
63	46.5	35.1	52.7
89	48.9	38.4	57.6

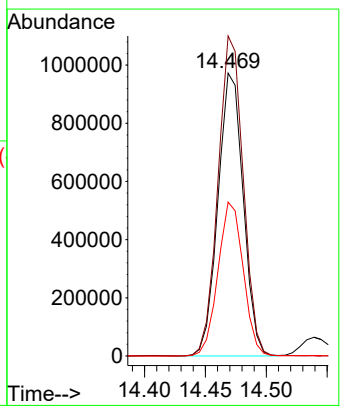


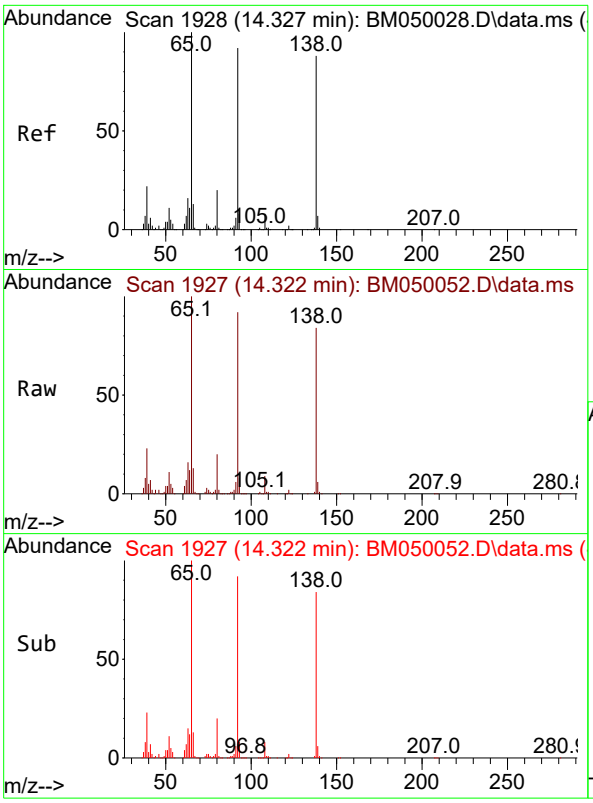


#52
Acenaphthene
Concen: 42.913 ng
RT: 14.469 min Scan# 1952
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion:154 Resp: 1402125

Ion	Ratio	Lower	Upper
154	100		
153	113.1	89.0	133.4
152	54.4	43.0	64.6



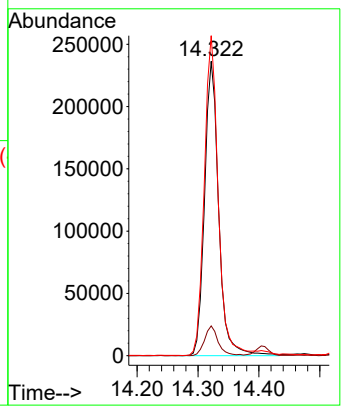


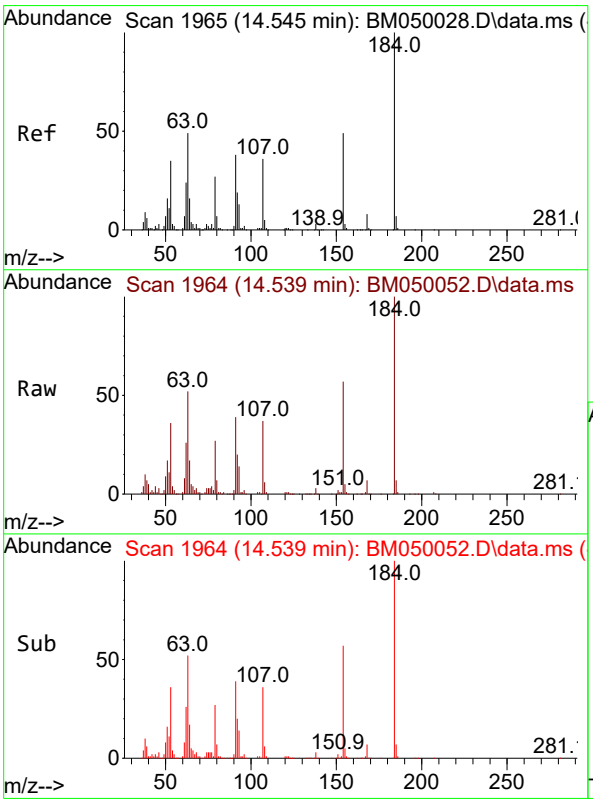
#53
3-Nitroaniline
Concen: 43.320 ng
RT: 14.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:138 Resp: 380548

Ion	Ratio	Lower	Upper
138	100		
108	10.1	7.4	11.2
92	108.7	84.0	126.0

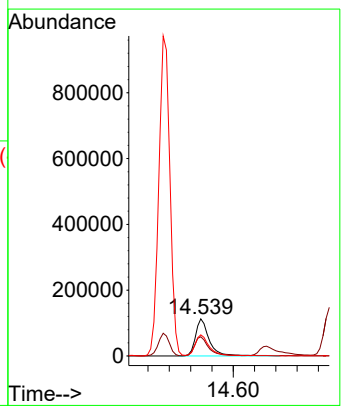


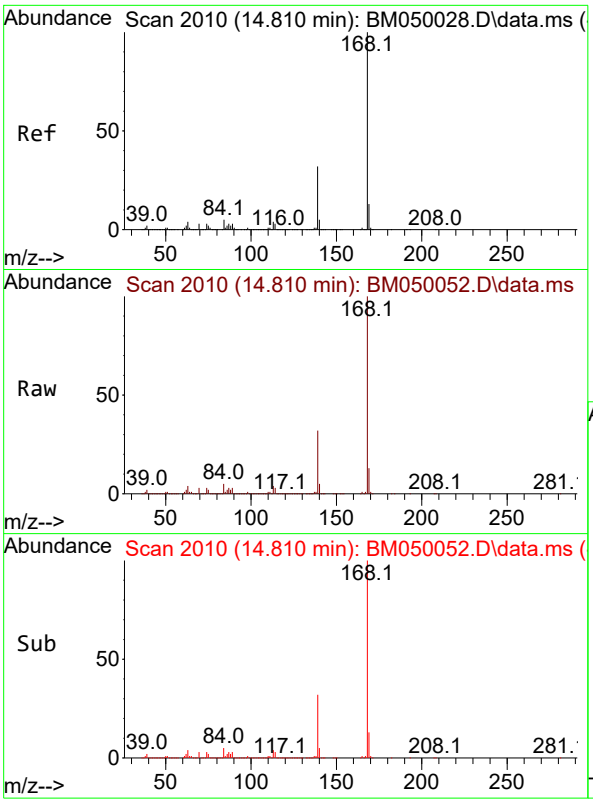


#54
2,4-Dinitrophenol
Concen: 37.592 ng
RT: 14.539 min Scan# 1964
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion:184 Resp: 202048

Ion	Ratio	Lower	Upper
184	100		
63	51.8	39.8	59.6
154	57.2	46.1	69.1



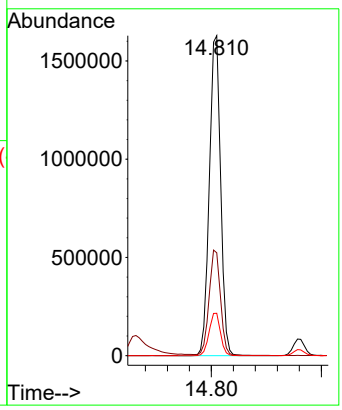


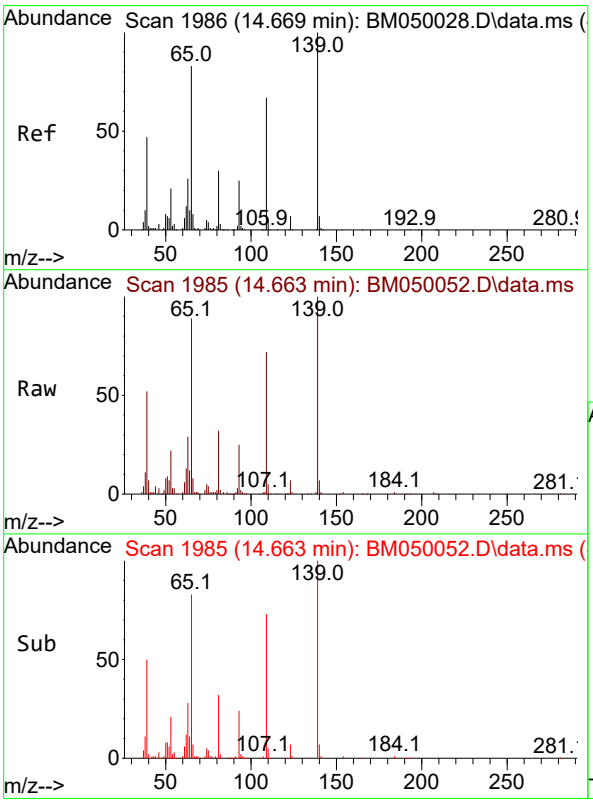
#55
Dibenzofuran
Concen: 42.681 ng
RT: 14.810 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:168 Resp: 2320212

Ion	Ratio	Lower	Upper
168	100		
139	32.2	26.1	39.1
169	13.3	10.8	16.2

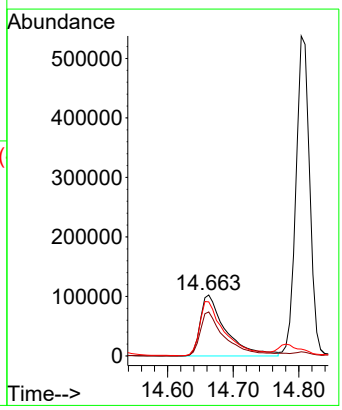


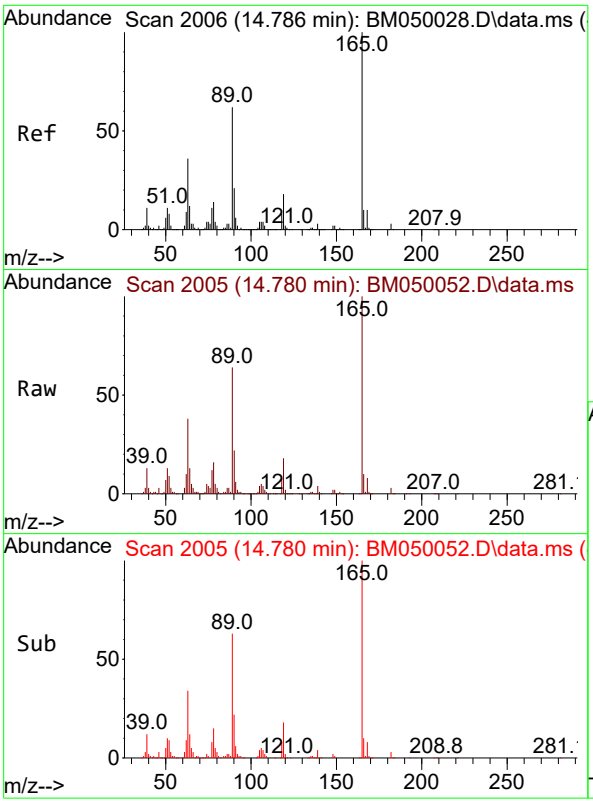


#56
4-Nitrophenol
Concen: 40.867 ng
RT: 14.663 min Scan# 1985
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion:139 Resp: 275260

Ion	Ratio	Lower	Upper
139	100		
109	72.3	47.0	87.0
65	88.8	64.3	104.3



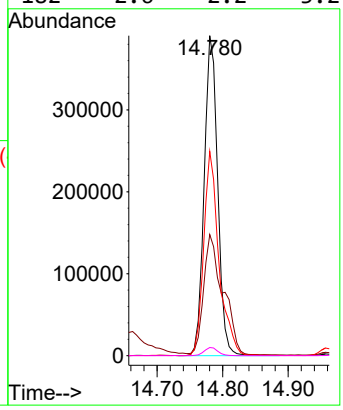


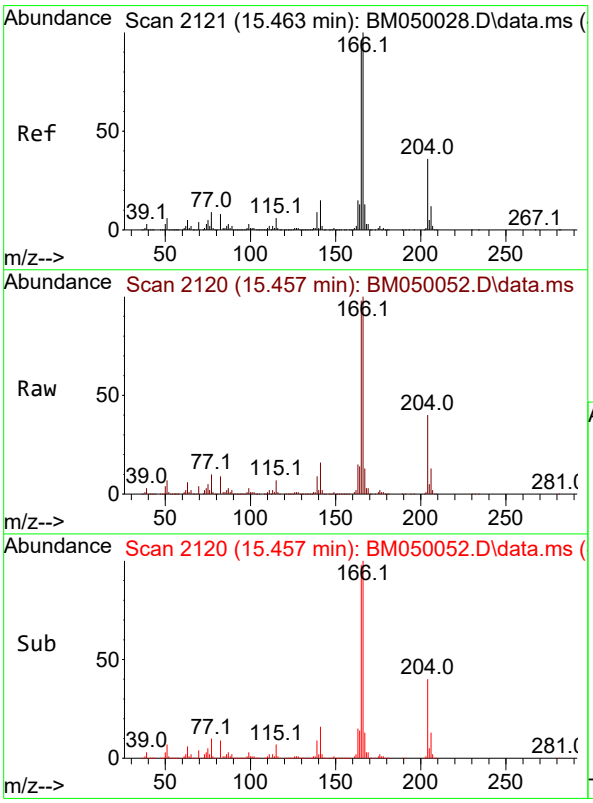
#57
2,4-Dinitrotoluene
Concen: 44.164 ng
RT: 14.780 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 561515

Ion	Ratio	Lower	Upper
165	100		
63	37.9	29.0	43.6
89	63.9	49.4	74.2
182	2.6	2.2	3.2

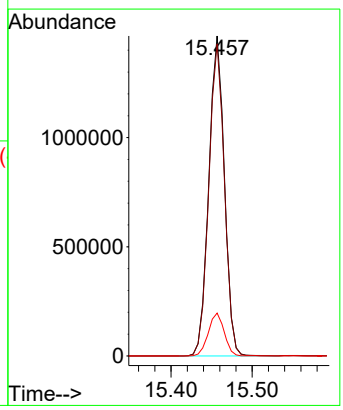


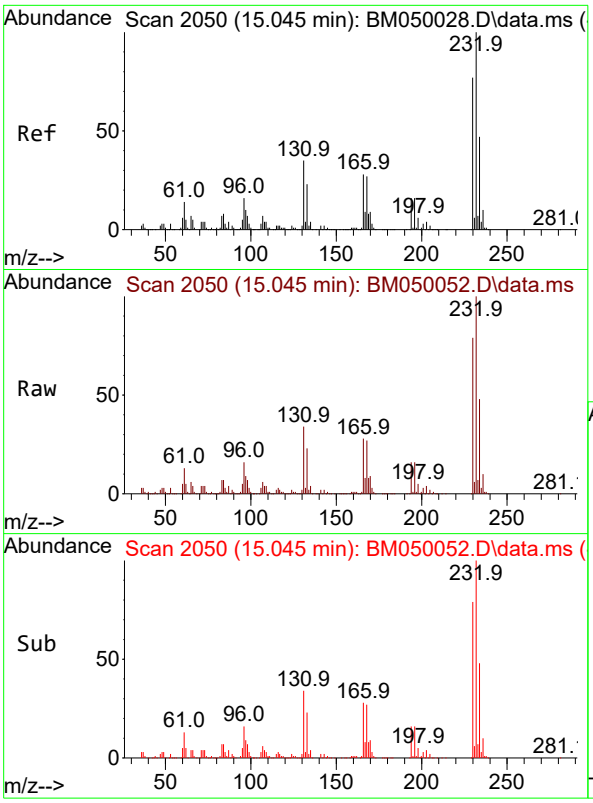


#58
Fluorene
Concen: 43.960 ng
RT: 15.457 min Scan# 2120
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion:166 Resp: 1956059

Ion	Ratio	Lower	Upper
166	100		
165	97.6	76.6	115.0
167	13.4	10.6	16.0



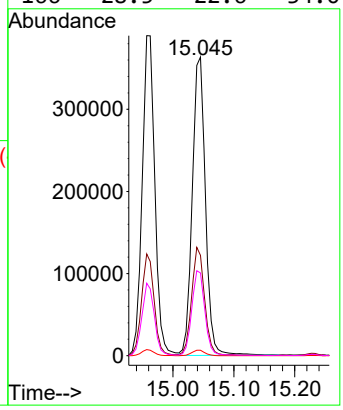


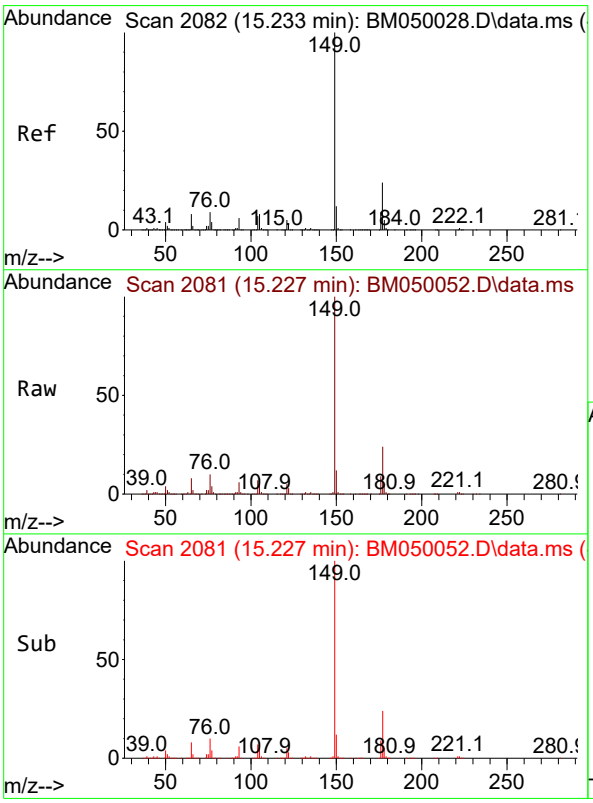
#59
2,3,4,6-Tetrachlorophenol
Concen: 43.644 ng
RT: 15.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:232 Resp: 543928

Ion	Ratio	Lower	Upper
232	100		
131	35.8	28.2	42.4
130	1.8	1.5	2.3
166	28.5	22.6	34.0

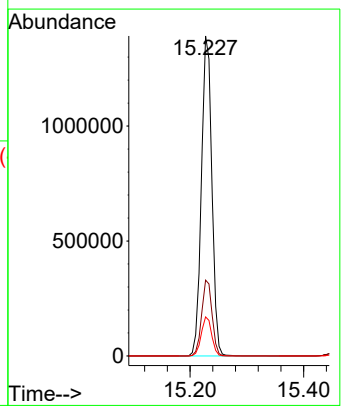


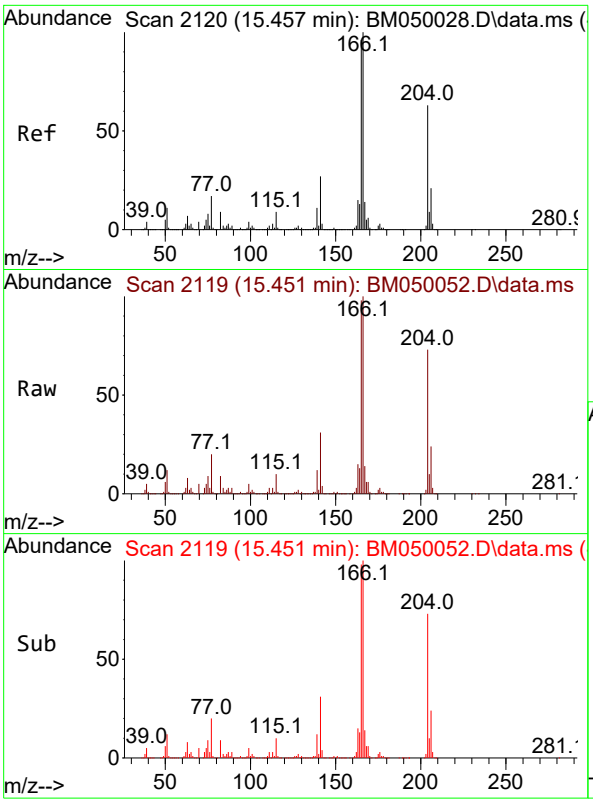


#60
Diethylphthalate
Concen: 42.478 ng
RT: 15.227 min Scan# 2081
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion:149 Resp: 1778764

Ion	Ratio	Lower	Upper
149	100		
177	23.7	19.1	28.7
150	12.2	9.6	14.4



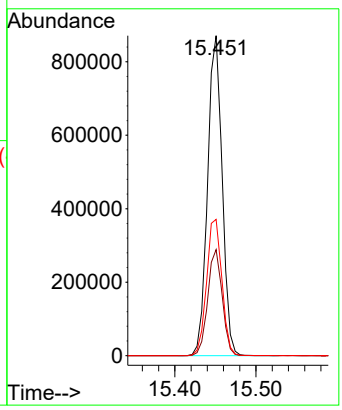


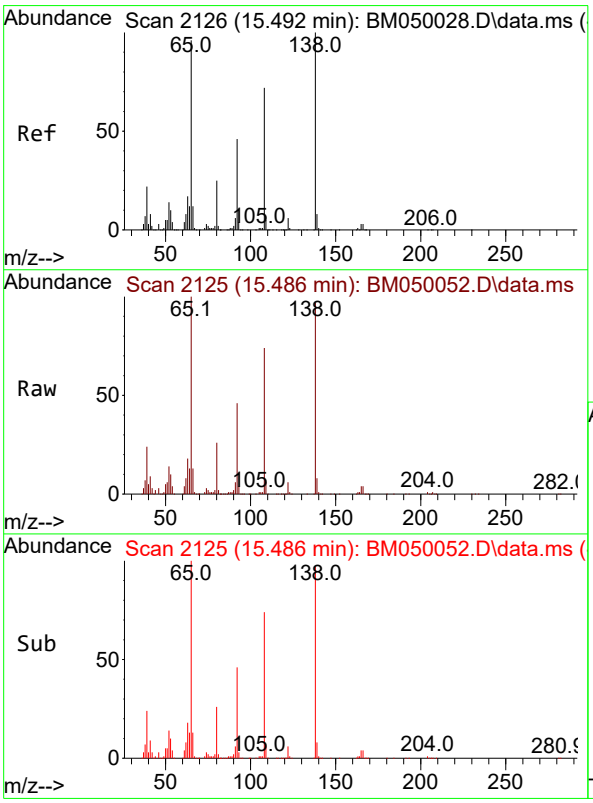
#61
4-Chlorophenyl-phenylether
Concen: 44.366 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:204 Resp: 1084318

Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.3	39.5
141	42.6	34.0	51.0

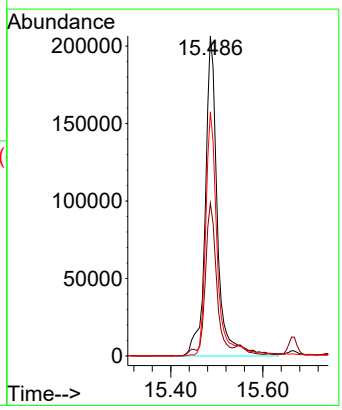


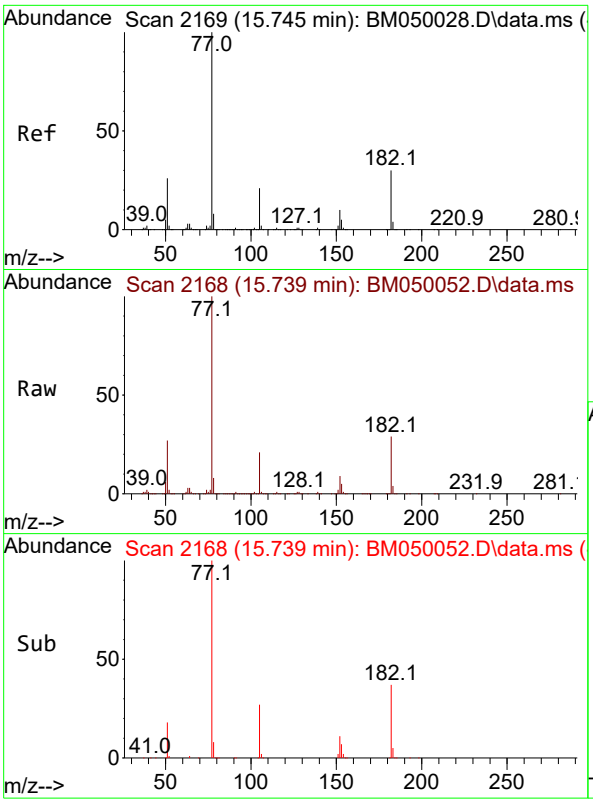


#62
4-Nitroaniline
Concen: 44.974 ng
RT: 15.486 min Scan# 2125
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion:138 Resp: 381180

Ion	Ratio	Lower	Upper
138	100		
92	47.8	25.9	65.9
108	76.3	52.4	92.4



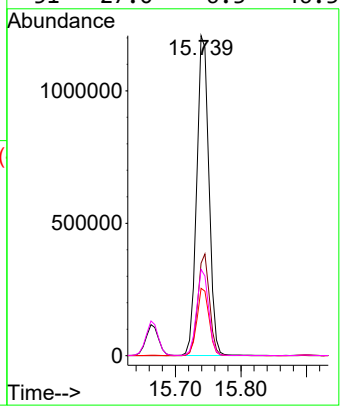


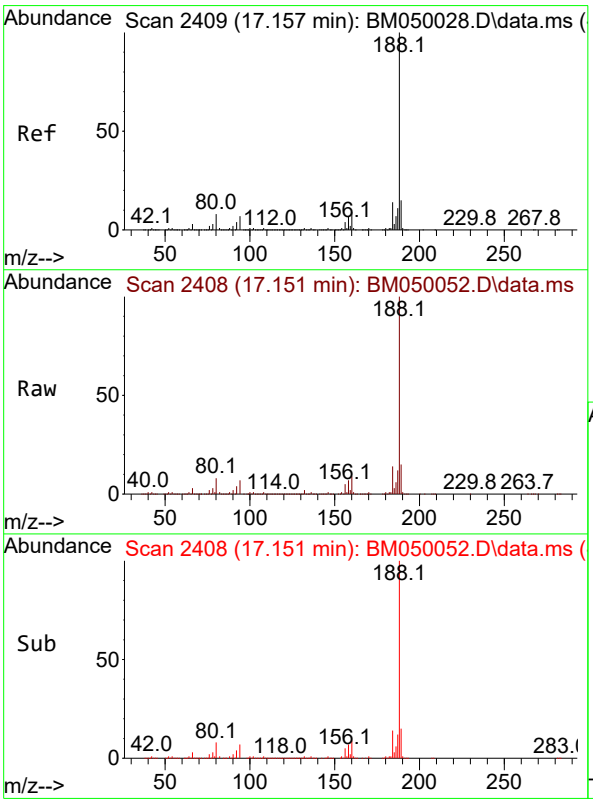
#63
Azobenzene
Concen: 44.555 ng
RT: 15.739 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 1563656

Ion	Ratio	Lower	Upper
77	100		
182	28.9	10.5	50.5
105	21.1	1.1	41.1
51	27.0	6.3	46.3

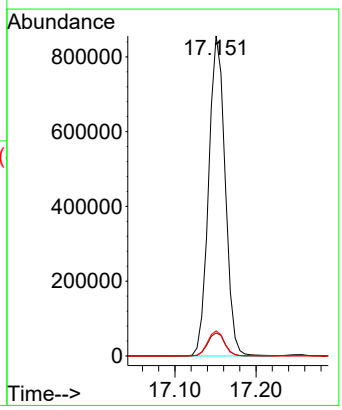


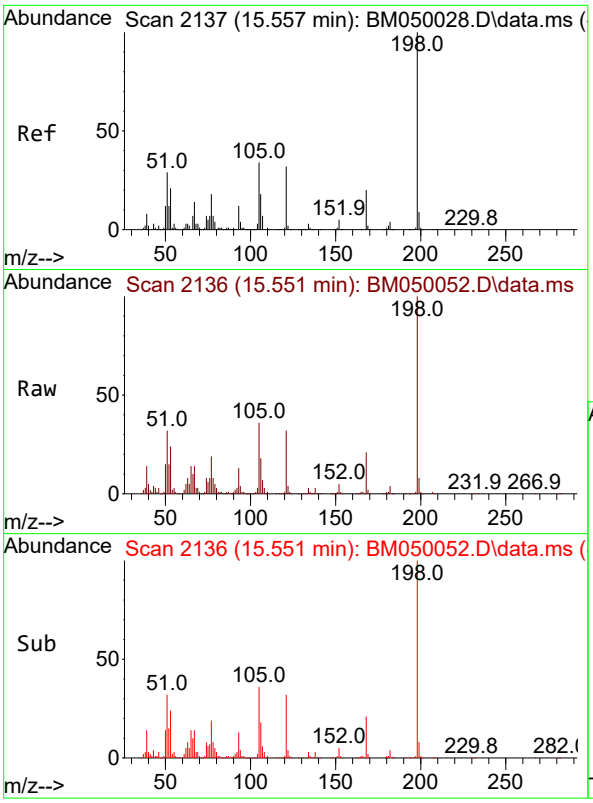


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.151 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion:188 Resp: 1206903

Ion	Ratio	Lower	Upper
188	100		
94	7.2	5.7	8.5
80	7.8	6.2	9.4



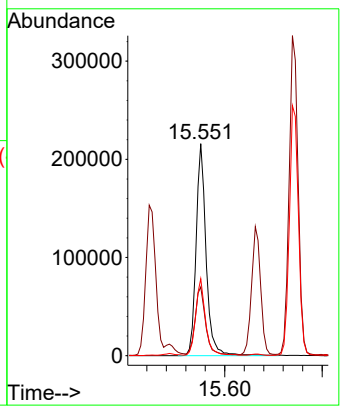


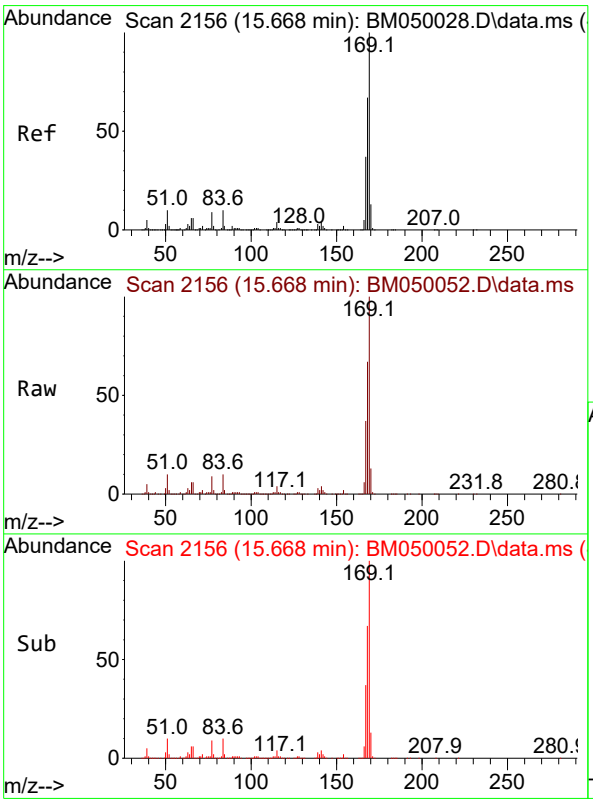
#65
4,6-Dinitro-2-methylphenol
Concen: 41.112 ng
RT: 15.551 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:198 Resp: 310589

Ion	Ratio	Lower	Upper
198	100		
51	32.5	10.4	50.4
105	36.3	14.6	54.6

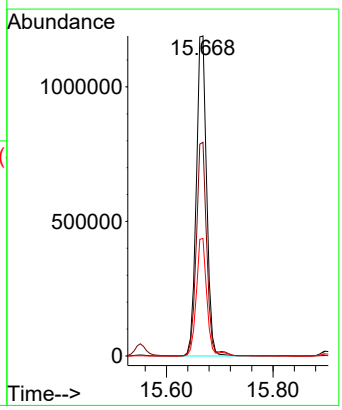


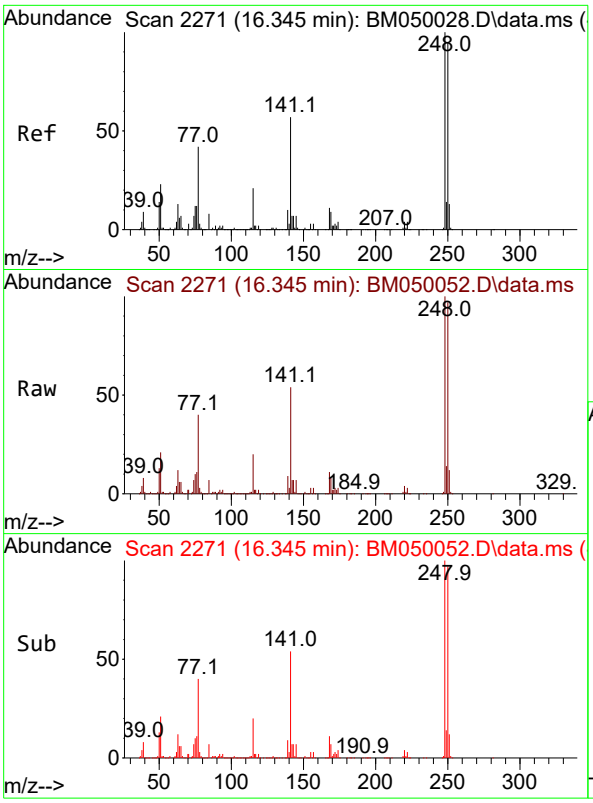


#66
n-Nitrosodiphenylamine
Concen: 43.186 ng
RT: 15.668 min Scan# 2156
Delta R.T. 0.000 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion:169 Resp: 1600494

Ion	Ratio	Lower	Upper
169	100		
168	66.7	53.4	80.2
167	36.7	29.4	44.0



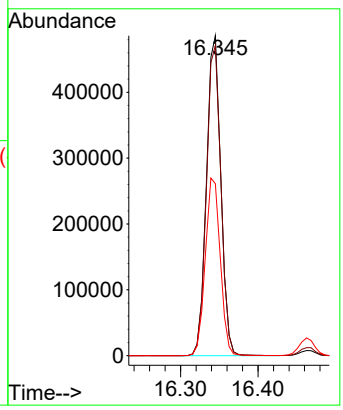


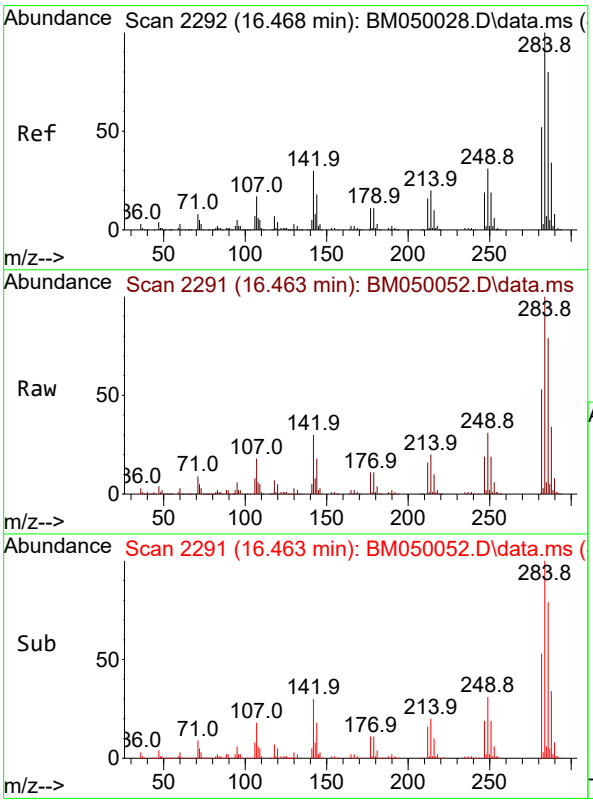
#67
4-Bromophenyl-phenylether
Concen: 42.855 ng
RT: 16.345 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:248 Resp: 625456

Ion	Ratio	Lower	Upper
248	100		
250	96.9	76.2	114.2
141	53.8	45.9	68.9

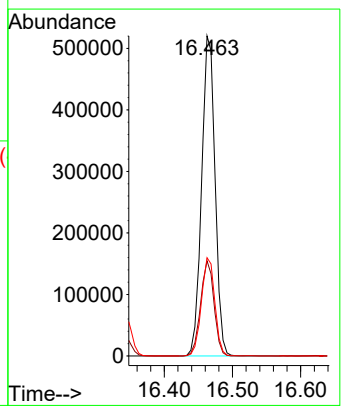


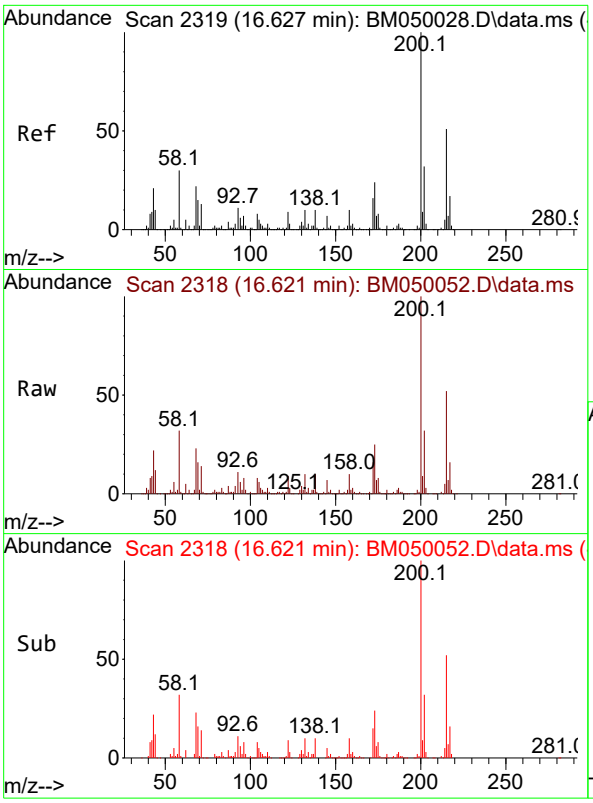


#68
Hexachlorobenzene
Concen: 42.336 ng
RT: 16.463 min Scan# 2291
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion:284 Resp: 712239

Ion	Ratio	Lower	Upper
284	100		
142	29.7	23.9	35.9
249	30.7	24.5	36.7



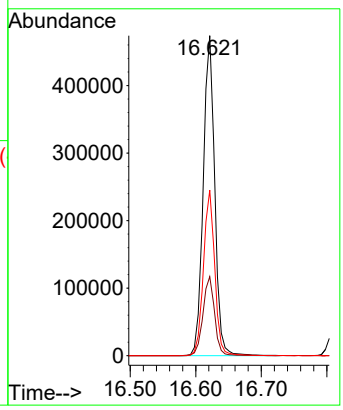


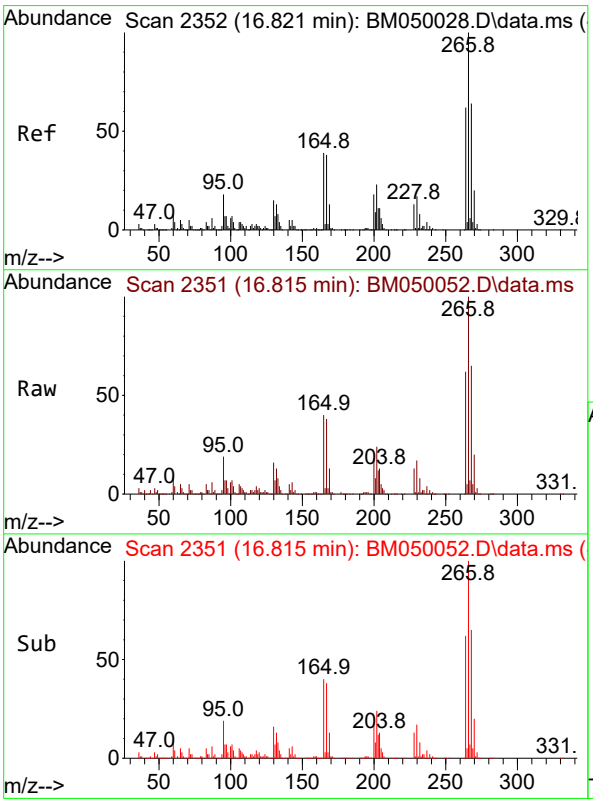
#69
Atrazine
Concen: 43.344 ng
RT: 16.621 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:200 Resp: 579434

Ion	Ratio	Lower	Upper
200	100		
173	24.7	4.3	44.3
215	51.7	30.6	70.6

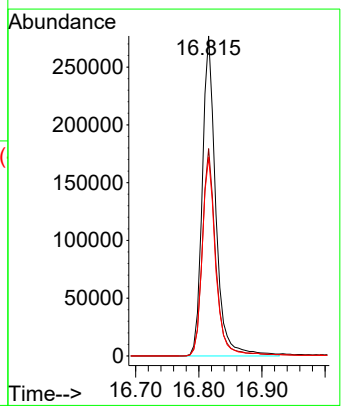


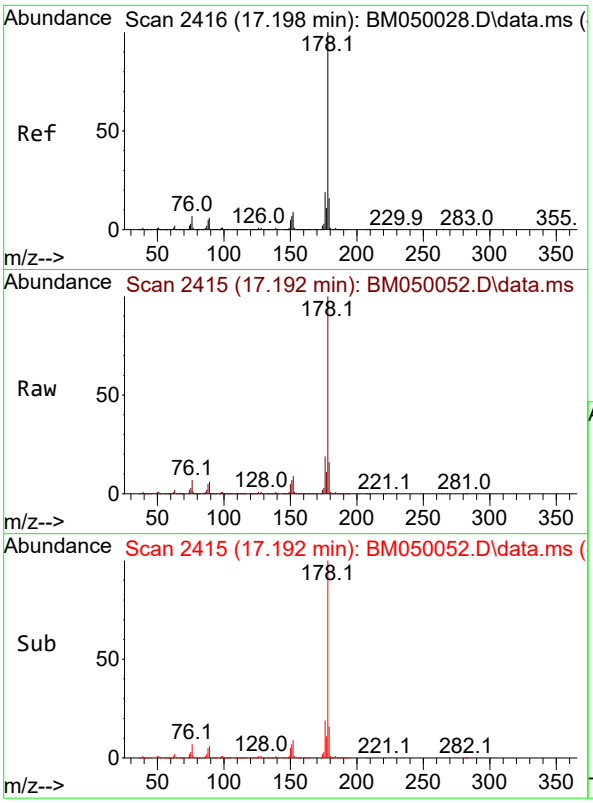


#70
Pentachlorophenol
Concen: 43.504 ng
RT: 16.815 min Scan# 2351
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion:266 Resp: 411970

Ion	Ratio	Lower	Upper
266	100		
268	64.8	51.2	76.8
264	62.1	49.6	74.4



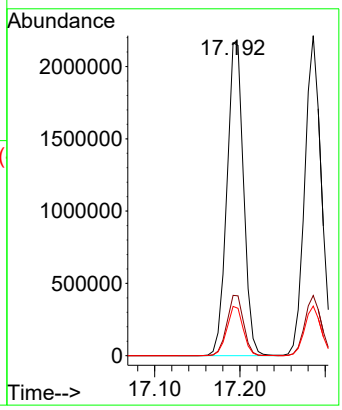


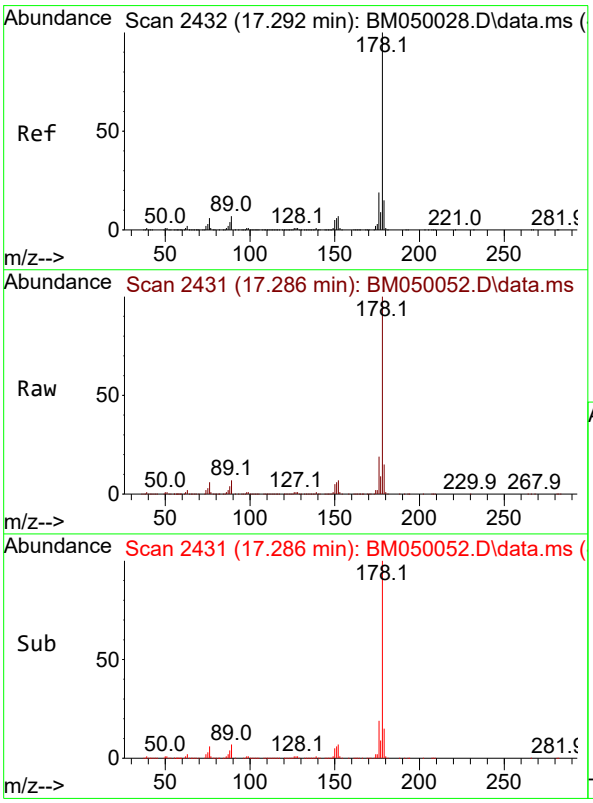
#71
Phenanthrene
Concen: 43.149 ng
RT: 17.192 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:178 Resp: 2937185

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.7	12.4	18.6

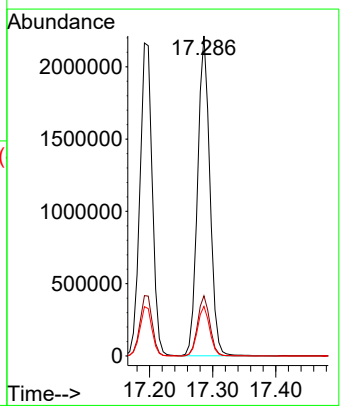


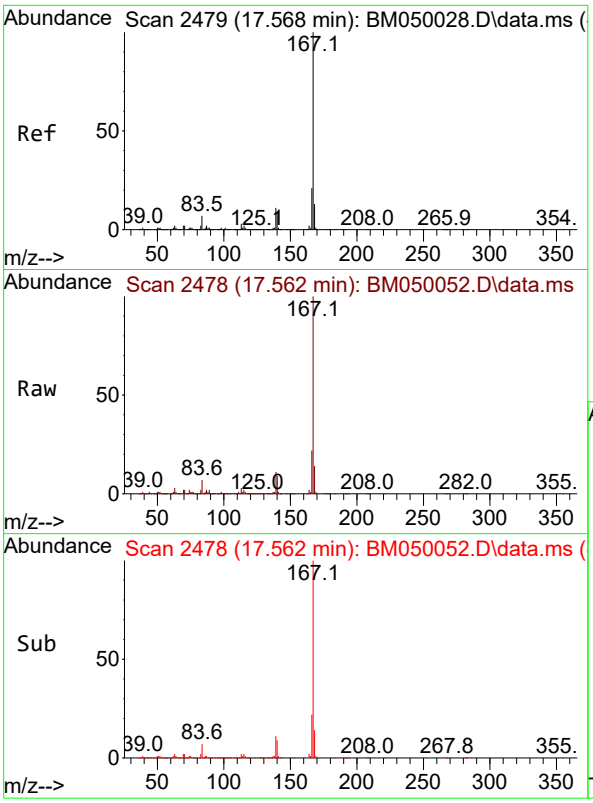


#72
Anthracene
Concen: 43.356 ng
RT: 17.286 min Scan# 2431
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion:178 Resp: 2986673

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	15.5	12.2	18.4



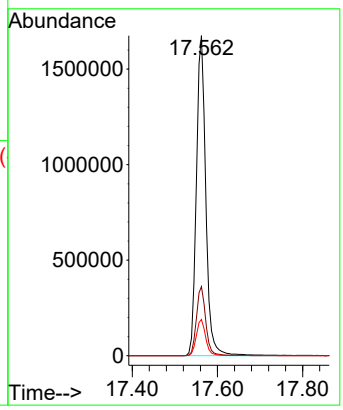


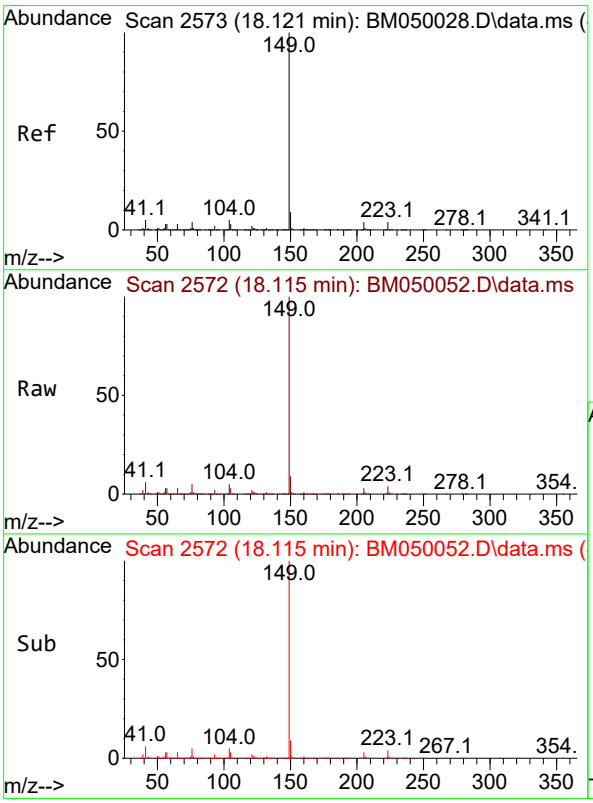
#73
Carbazole
Concen: 42.961 ng
RT: 17.562 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:167 Resp: 2568034

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.2	25.8
139	11.3	9.0	13.6

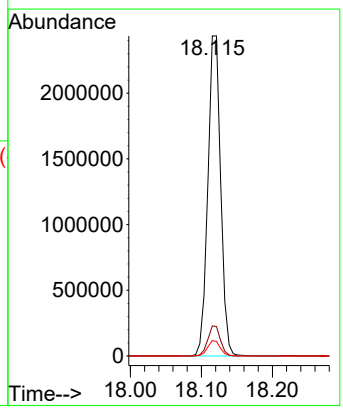


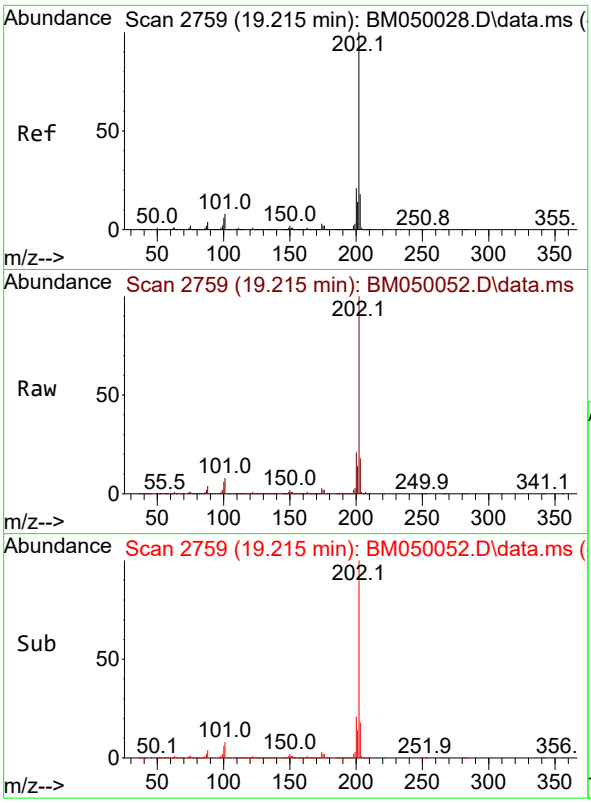


#74
Di-n-butylphthalate
Concen: 43.057 ng
RT: 18.115 min Scan# 2572
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion:149 Resp: 3065088

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.3	10.9
104	4.8	3.8	5.6



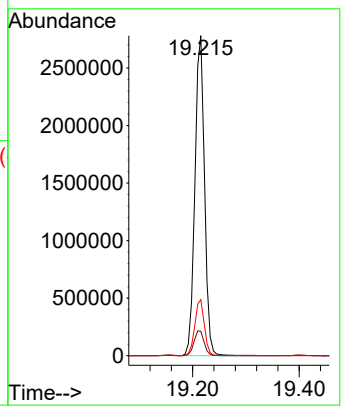


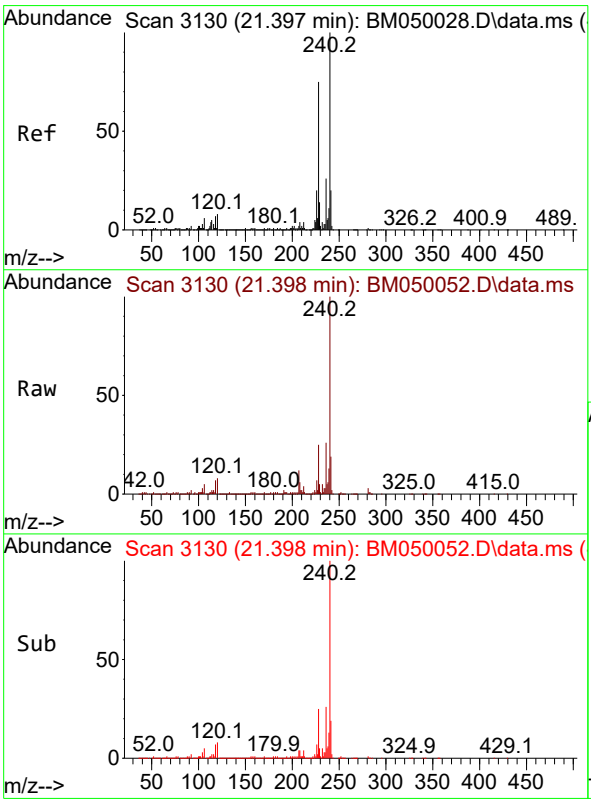
#75
Fluoranthene
Concen: 43.640 ng
RT: 19.215 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:202 Resp: 3487707

Ion	Ratio	Lower	Upper
202	100		
101	7.7	0.0	28.0
203	17.5	0.0	37.7

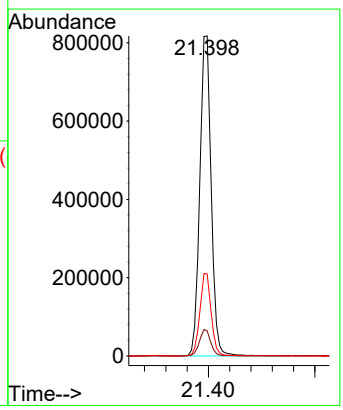


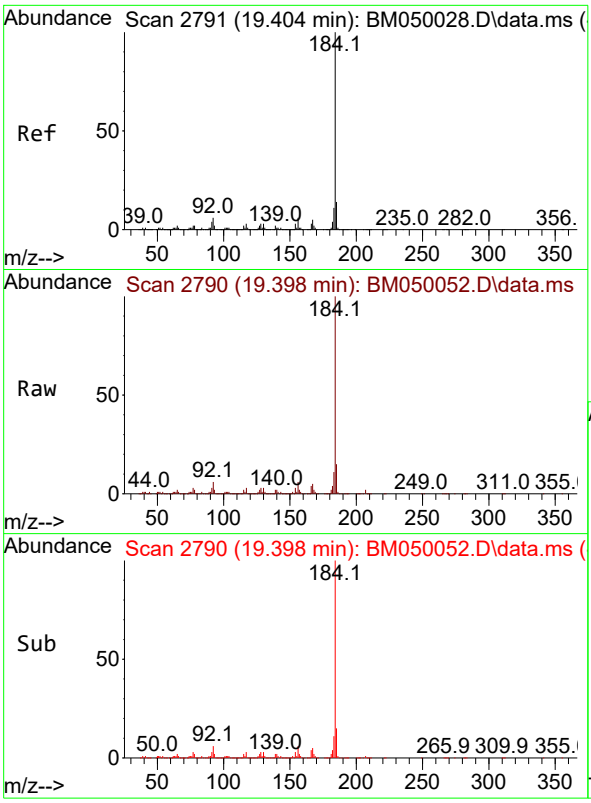


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.398 min Scan# 3130
Delta R.T. 0.001 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion:240 Resp: 1210247

Ion	Ratio	Lower	Upper
240	100		
120	7.9	6.5	9.7
236	25.6	20.9	31.3



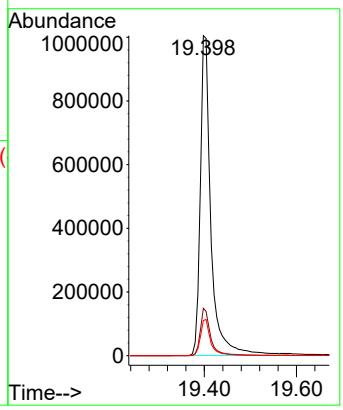


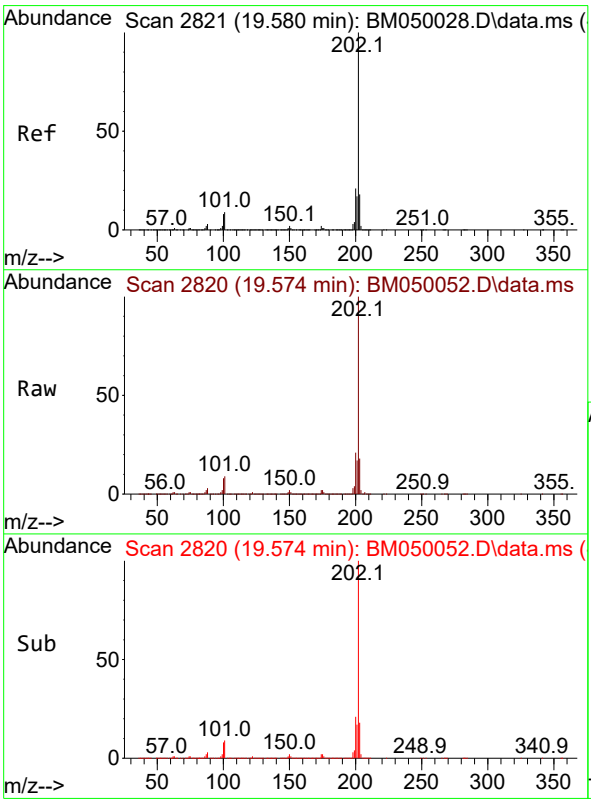
#77
Benzidine
Concen: 37.711 ng
RT: 19.398 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:184 Resp: 1621166

Ion	Ratio	Lower	Upper
184	100		
185	14.8	11.5	17.3
183	11.0	8.9	13.3

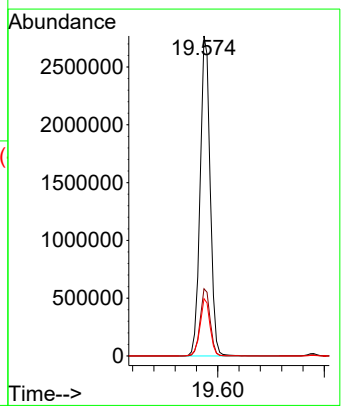


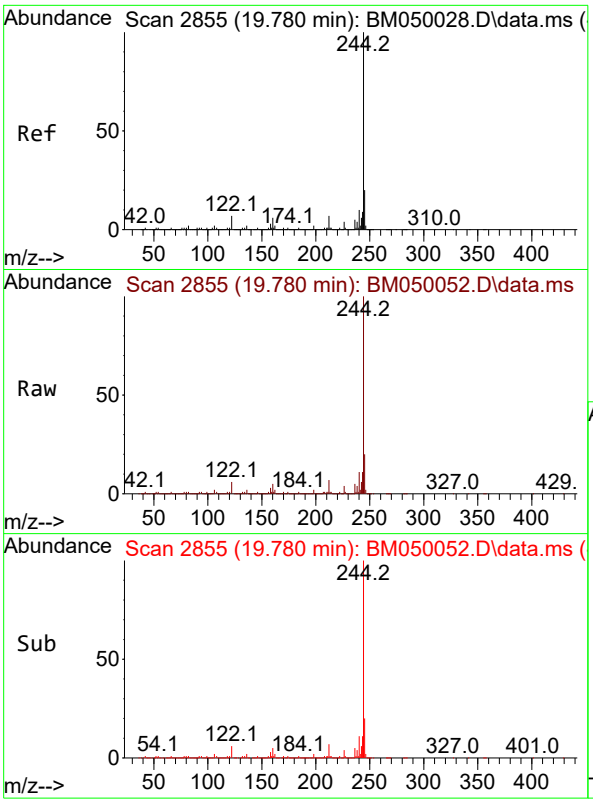


#78
Pyrene
Concen: 42.398 ng
RT: 19.574 min Scan# 2820
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion:202 Resp: 3603294

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.9	14.1	21.1



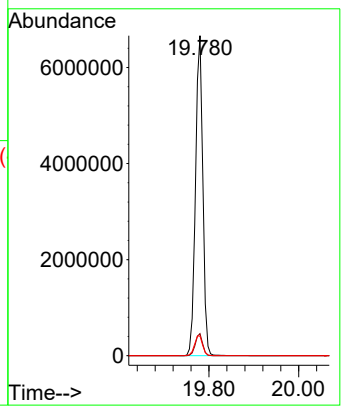


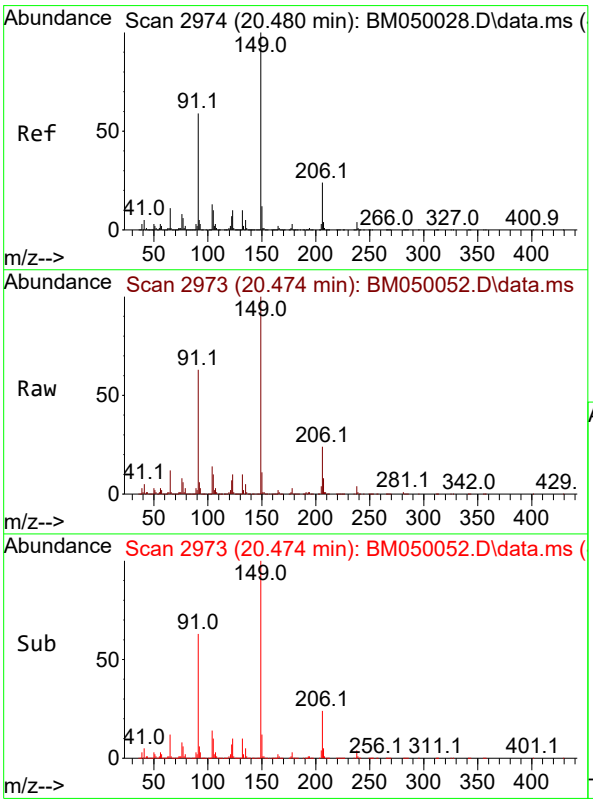
#79
Terphenyl-d14
Concen: 91.926 ng
RT: 19.780 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:244 Resp: 7518456

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	6.1	5.6	8.4

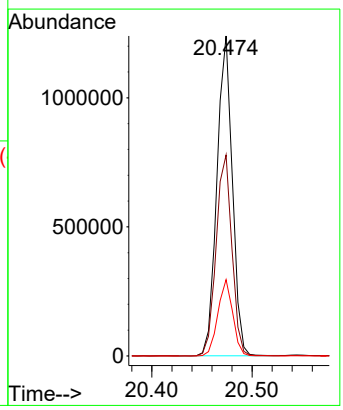


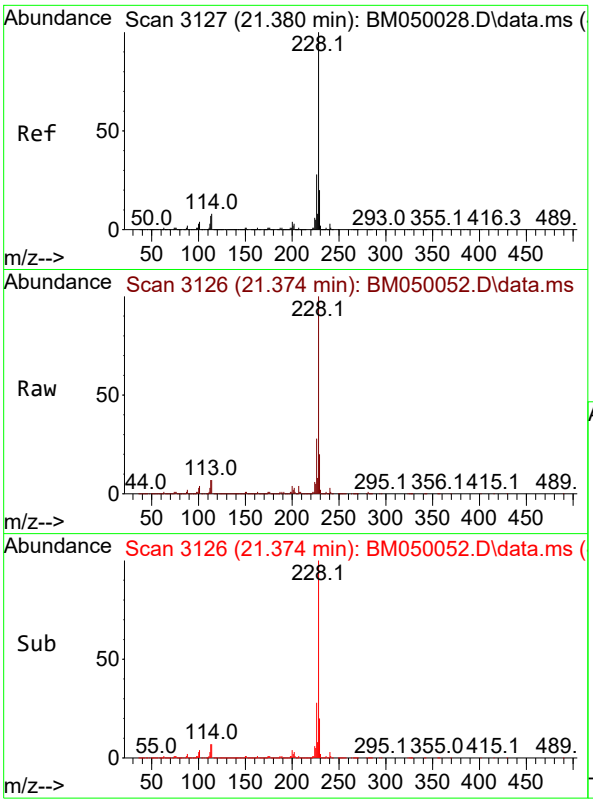


#80
Butylbenzylphthalate
Concen: 41.551 ng
RT: 20.474 min Scan# 2973
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion:149 Resp: 1322615

Ion	Ratio	Lower	Upper
149	100		
91	62.8	47.4	71.2
206	23.8	19.4	29.0



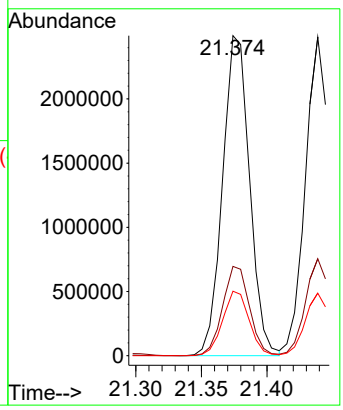


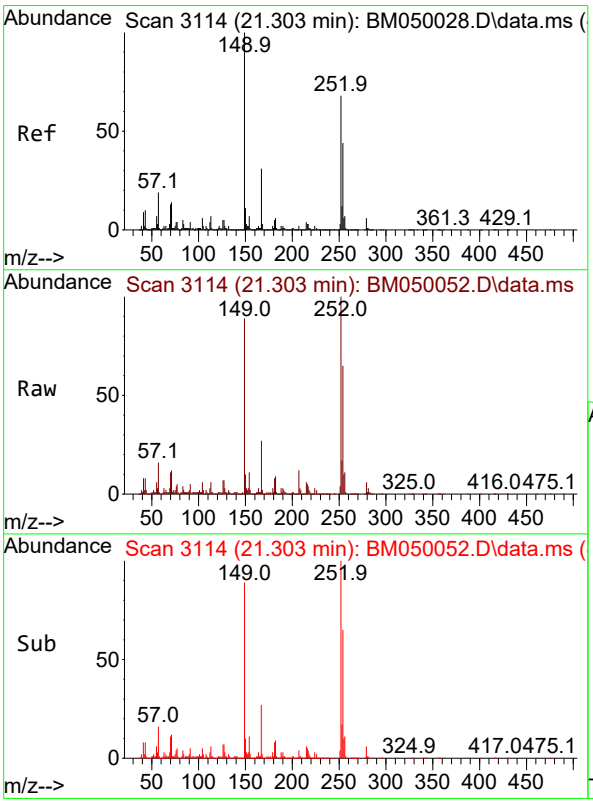
#81
Benzo(a)anthracene
Concen: 42.916 ng
RT: 21.374 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 3576630

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.1	33.1
229	20.1	15.7	23.5

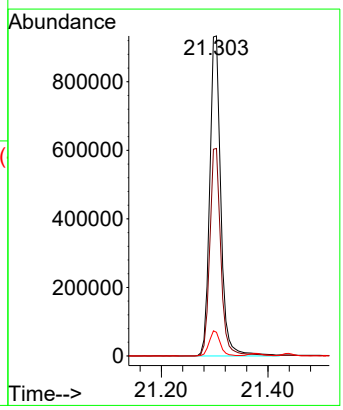


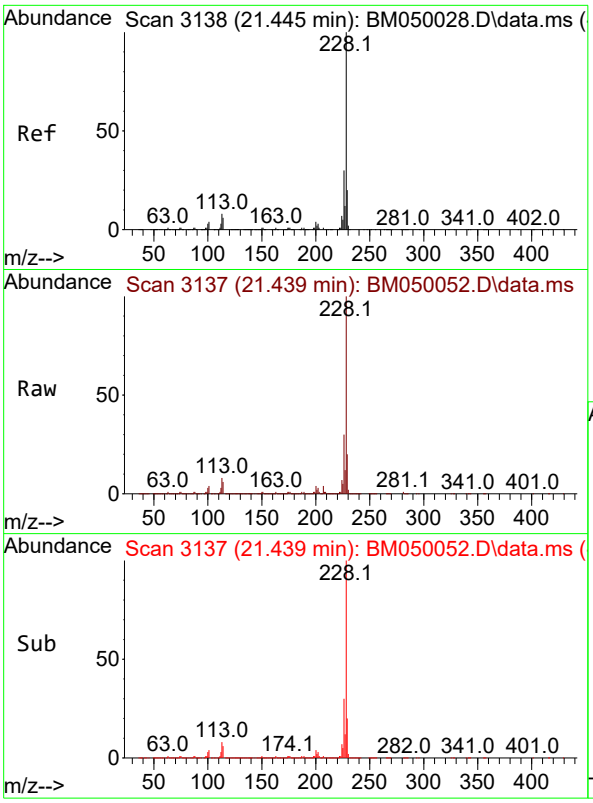


#82
3,3'-Dichlorobenzidine
Concen: 42.286 ng
RT: 21.303 min Scan# 3114
Delta R.T. 0.000 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion:252 Resp: 1349081

Ion	Ratio	Lower	Upper
252	100		
254	64.9	51.8	77.6
126	7.4	6.0	9.0



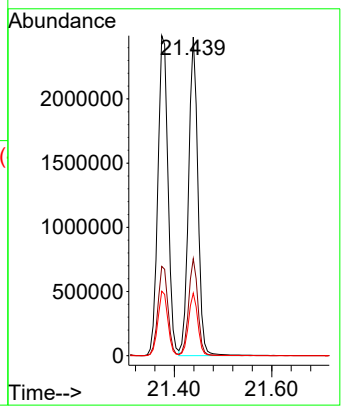


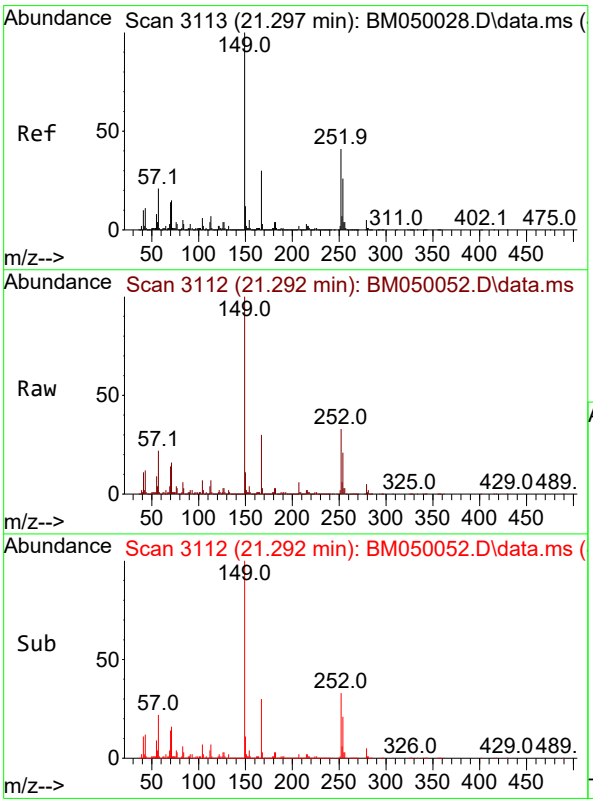
#83
Chrysene
Concen: 42.564 ng
RT: 21.439 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 3283134

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.2	36.2
229	19.6	15.7	23.5

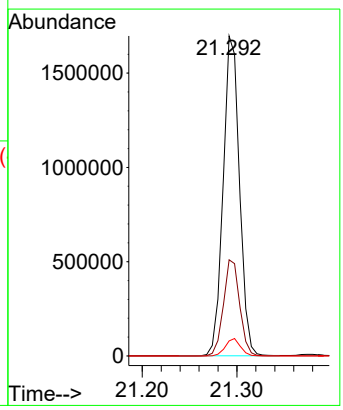


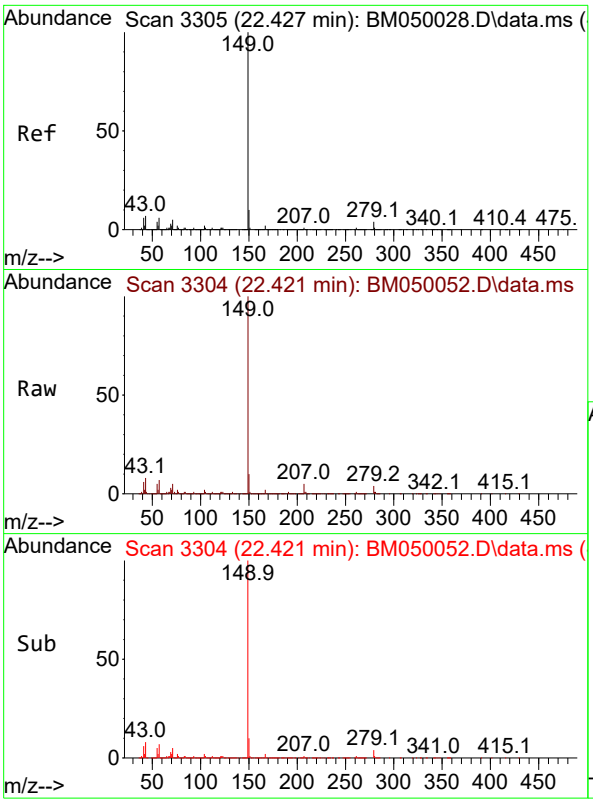


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.804 ng
RT: 21.292 min Scan# 3112
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion:149 Resp: 2035117

Ion	Ratio	Lower	Upper
149	100		
167	30.0	24.1	36.1
279	4.7	3.9	5.9



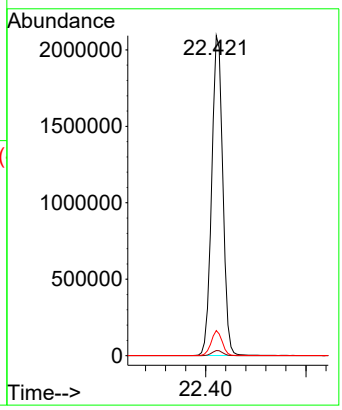


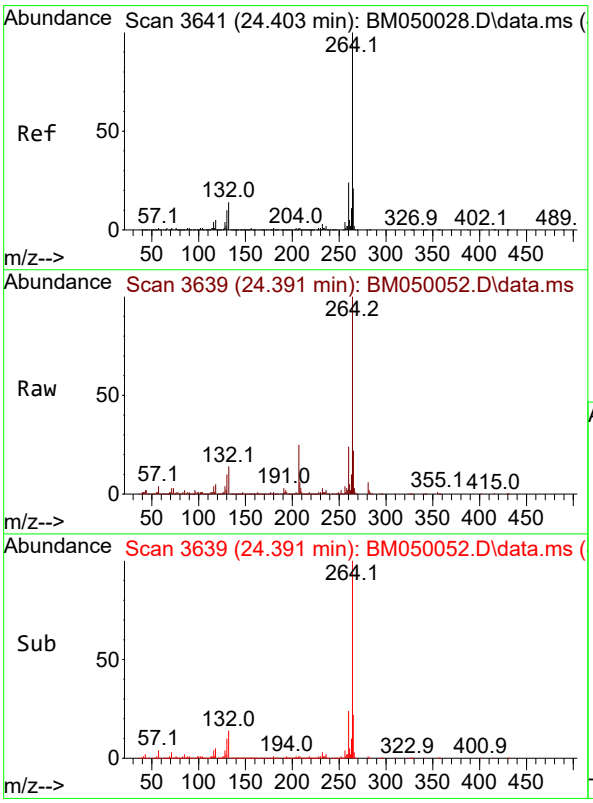
#85
Di-n-octyl phthalate
Concen: 41.024 ng
RT: 22.421 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:149 Resp: 3216660

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.7	5.8	8.8

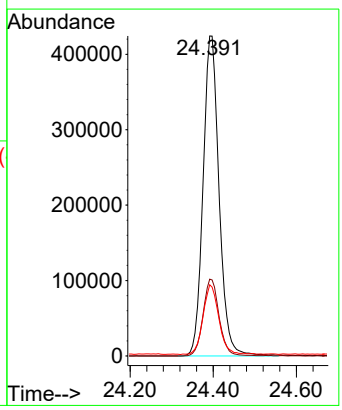


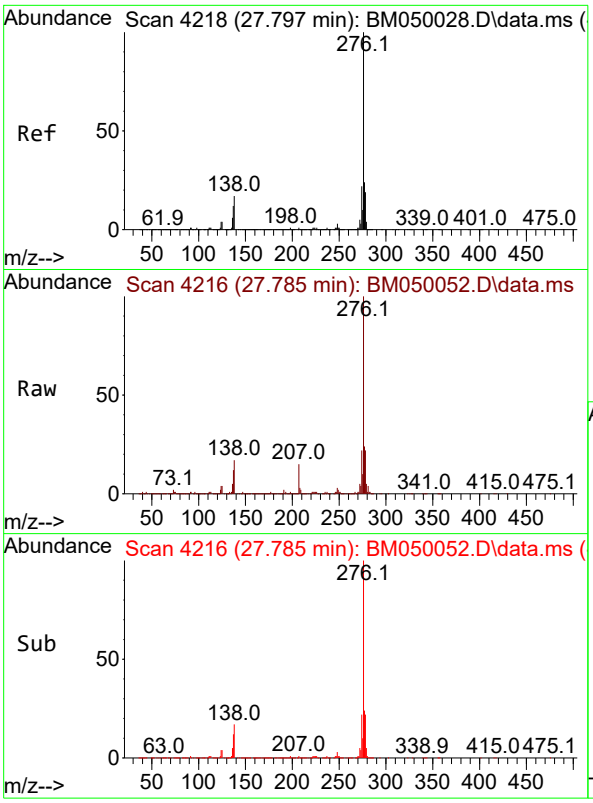


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.391 min Scan# 3639
Delta R.T. -0.012 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion:264 Resp: 1136546

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.8	28.2
265	22.3	17.0	25.4



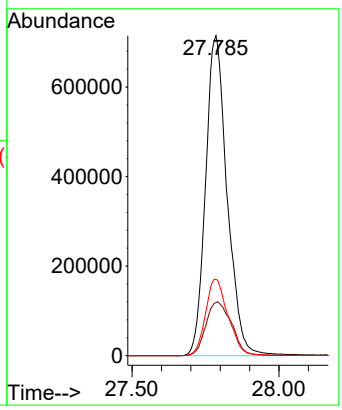


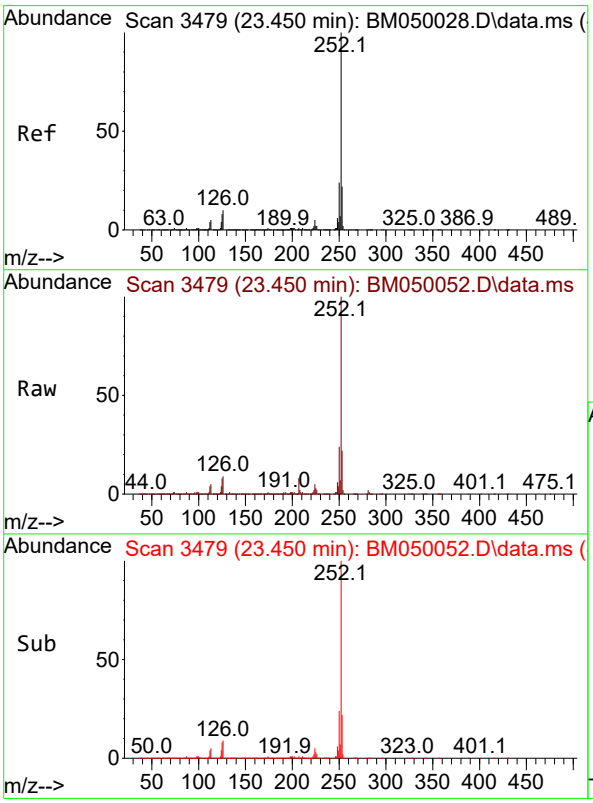
#87
Indeno(1,2,3-cd)pyrene
Concen: 42.955 ng
RT: 27.785 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:276 Resp: 3637745

Ion	Ratio	Lower	Upper
276	100		
138	20.1	16.4	24.6
277	25.1	19.8	29.8

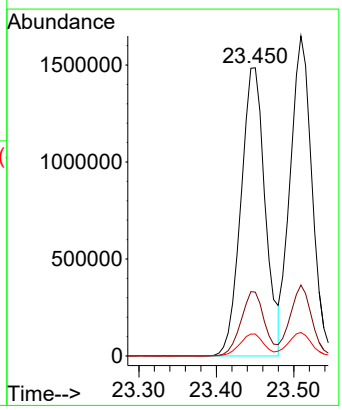


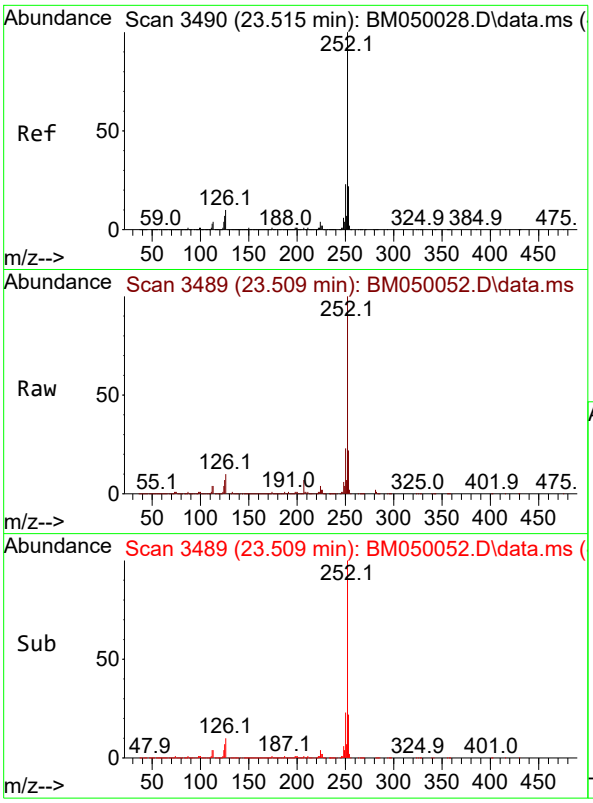


#88
Benzo(b)fluoranthene
Concen: 43.696 ng
RT: 23.450 min Scan# 3479
Delta R.T. 0.000 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion:252 Resp: 3229711

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	7.6	6.1	9.1



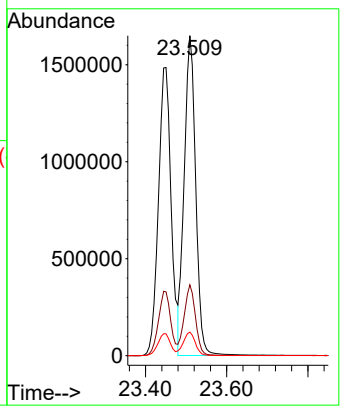


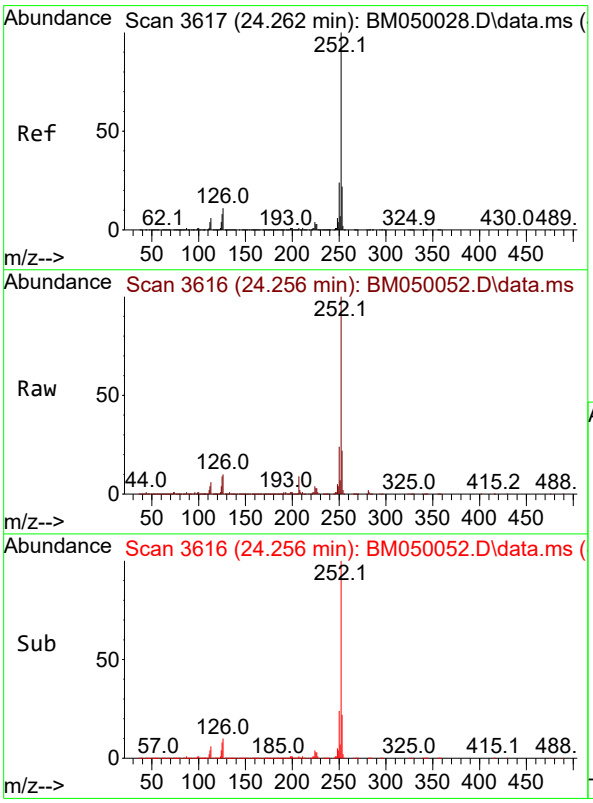
#89
Benzo(k)fluoranthene
Concen: 43.305 ng
RT: 23.509 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:252 Resp: 3237678

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.2
125	7.4	5.8	8.8

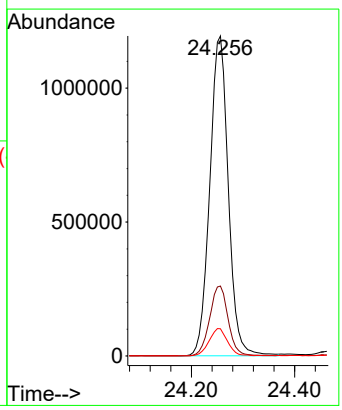


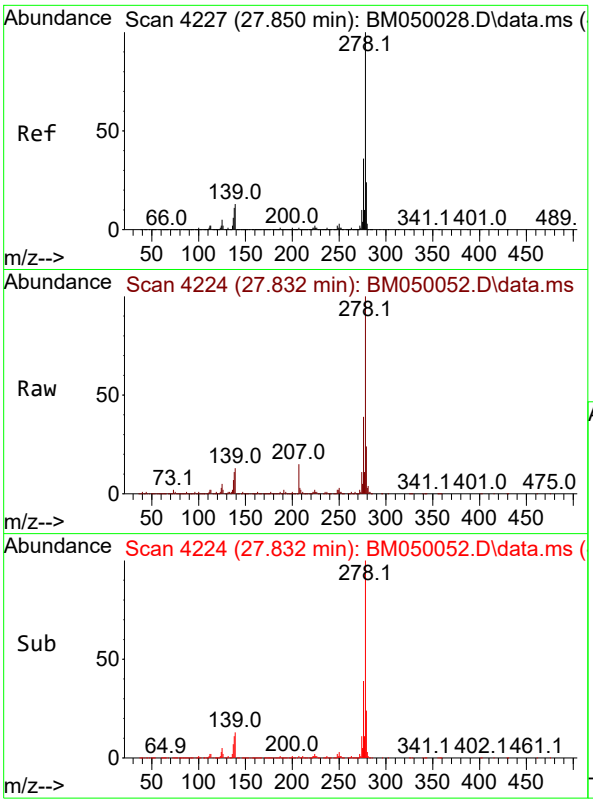


#90
Benzo(a)pyrene
Concen: 42.893 ng
RT: 24.256 min Scan# 3616
Delta R.T. -0.006 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion:252 Resp: 2969353

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0
125	8.5	6.6	9.8



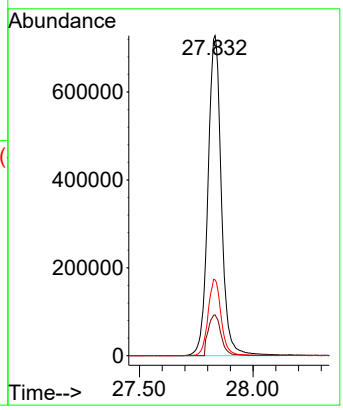


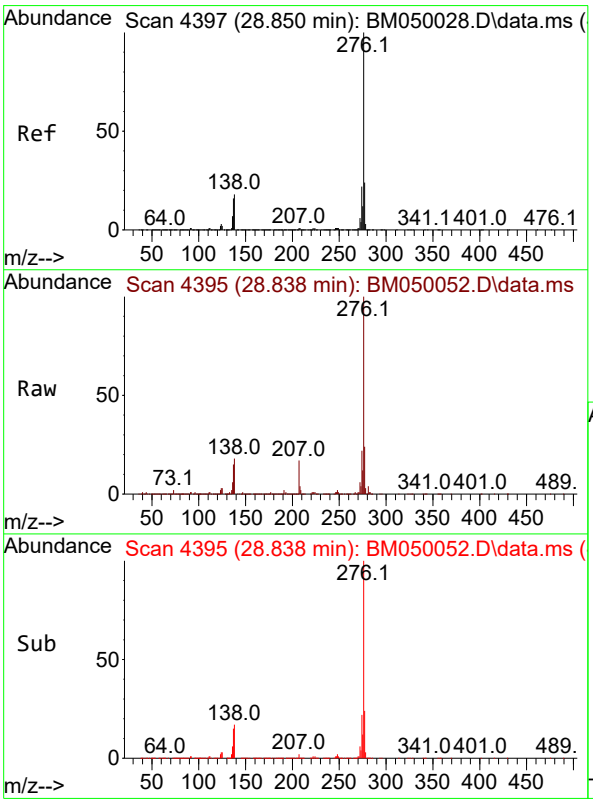
#91
Dibenzo(a,h)anthracene
Concen: 43.220 ng
RT: 27.832 min Scan# 4
Delta R.T. -0.018 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:278 Resp: 2983620

Ion	Ratio	Lower	Upper
278	100		
139	12.8	10.5	15.7
279	23.7	19.4	29.0

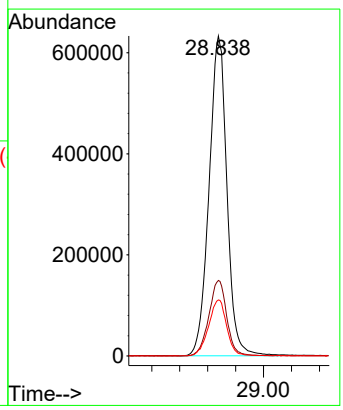




#92
Benzo(g,h,i)perylene
Concen: 42.532 ng
RT: 28.838 min Scan# 4395
Delta R.T. -0.012 min
Lab File: BM050052.D
Acq: 30 Apr 2025 19:20

Tgt Ion:276 Resp: 2810990

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.1	28.7
138	17.5	14.3	21.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050052.D
Acq On : 30 Apr 2025 19:20
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: May 01 02:18:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 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	0.490	0.520	-6.1	104	0.00
3		Pyridine	1.258	1.382	-9.9	106	0.00
4		n-Nitrosodimethylamine	0.493	0.542	-9.9	106	0.00
5	S	2-Fluorophenol	1.142	1.228	-7.5	104	0.00
6		Aniline	1.813	1.955	-7.8	103	0.00
7	S	Phenol-d6	1.436	1.583	-10.2	105	0.00
8		2-Chlorophenol	1.235	1.317	-6.6	103	0.00
9		Benzaldehyde	0.961	1.046	-8.8	104	0.00
10	C	Phenol	1.453	1.586	-9.2	105	0.00
11		bis(2-Chloroethyl)ether	1.213	1.311	-8.1	105	0.00
12		1,3-Dichlorobenzene	1.492	1.557	-4.4	102	0.00
13	C	1,4-Dichlorobenzene	1.499	1.575	-5.1	103	0.00
14		1,2-Dichlorobenzene	1.448	1.520	-5.0	102	0.00
15		Benzyl Alcohol	0.996	1.107	-11.1	105	0.00
16		2,2'-oxybis(1-Chloropropane	1.475	1.623	-10.0	107	0.00
17		2-Methylphenol	0.957	1.041	-8.8	103	0.00
18		Hexachloroethane	0.533	0.563	-5.6	104	0.00
19	P	n-Nitroso-di-n-propylamine	0.921	1.034	-12.3	105	0.00
20		3+4-Methylphenols	1.293	1.418	-9.7	104	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	103	0.00
22		Acetophenone	0.497	0.539	-8.5	105	0.00
23	S	Nitrobenzene-d5	0.406	0.445	-9.6	106	0.00
24		Nitrobenzene	0.351	0.381	-8.5	106	0.00
25		Isophorone	0.692	0.744	-7.5	106	0.00
26	C	2-Nitrophenol	0.179	0.195	-8.9	103	0.00
27		2,4-Dimethylphenol	0.297	0.325	-9.4	104	0.00
28		bis(2-Chloroethoxy)methane	0.428	0.461	-7.7	105	0.00
29	C	2,4-Dichlorophenol	0.333	0.361	-8.4	103	0.00
30		1,2,4-Trichlorobenzene	0.406	0.423	-4.2	102	0.00
31		Naphthalene	1.013	1.068	-5.4	104	0.00
32		Benzoic acid	0.190	0.198	-4.2	104	0.00
33		4-Chloroaniline	0.415	0.447	-7.7	105	0.00
34	C	Hexachlorobutadiene	0.258	0.271	-5.0	104	0.00
35		Caprolactam	0.097	0.103	-6.2	102	0.00
36	C	4-Chloro-3-methylphenol	0.308	0.329	-6.8	105	0.00
37		2-Methylnaphthalene	0.679	0.717	-5.6	104	0.00
38		1-Methylnaphthalene	0.719	0.755	-5.0	104	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	103	0.00
40		1,2,4,5-Tetrachlorobenzene	0.692	0.754	-9.0	104	0.00
41	P	Hexachlorocyclopentadiene	0.423	0.448	-5.9	101	0.00
42	S	2,4,6-Tribromophenol	0.296	0.324	-9.5	105	0.00
43	C	2,4,6-Trichlorophenol	0.439	0.483	-10.0	104	0.00
44		2,4,5-Trichlorophenol	0.474	0.523	-10.3	104	0.00
45	S	2-Fluorobiphenyl	1.691	1.873	-10.8	107	0.00
46		1,1'-Biphenyl	1.487	1.591	-7.0	104	0.00
47		2-Chloronaphthalene	1.177	1.259	-7.0	104	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050052.D
Acq On : 30 Apr 2025 19:20
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: May 01 02:18:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 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	0.276	0.313	-13.4	106	0.00
49		Acenaphthylene	1.857	1.980	-6.6	103	0.00
50		Dimethylphthalate	1.462	1.544	-5.6	104	0.00
51		2,6-Dinitrotoluene	0.303	0.328	-8.3	103	0.00
52	C	Acenaphthene	1.075	1.153	-7.3	105	0.00
53		3-Nitroaniline	0.289	0.313	-8.3	100	0.00
54	P	2,4-Dinitrophenol	0.164	0.166	-1.2	96	0.00
55		Dibenzofuran	1.788	1.908	-6.7	105	0.00
56	P	4-Nitrophenol	0.205	0.226	-10.2	104	0.00
57		2,4-Dinitrotoluene	0.418	0.462	-10.5	104	0.00
58		Fluorene	1.463	1.608	-9.9	106	0.00
59		2,3,4,6-Tetrachlorophenol	0.410	0.447	-9.0	106	0.00
60		Diethylphthalate	1.377	1.463	-6.2	105	0.00
61		4-Chlorophenyl-phenylether	0.804	0.892	-10.9	107	0.00
62		4-Nitroaniline	0.279	0.313	-12.2	103	0.00
63		Azobenzene	1.154	1.286	-11.4	109	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	104	0.00
65		4,6-Dinitro-2-methylphenol	0.125	0.129	-3.2	99	0.00
66	c	n-Nitrosodiphenylamine	0.614	0.663	-8.0	105	0.00
67		4-Bromophenyl-phenylether	0.242	0.259	-7.0	104	0.00
68		Hexachlorobenzene	0.279	0.295	-5.7	104	0.00
69		Atrazine	0.222	0.240	-8.1	105	0.00
70	C	Pentachlorophenol	0.157	0.171	-8.9	106	0.00
71		Phenanthrene	1.128	1.217	-7.9	106	0.00
72		Anthracene	1.142	1.237	-8.3	106	0.00
73		Carbazole	0.991	1.064	-7.4	105	0.00
74		Di-n-butylphthalate	1.180	1.270	-7.6	106	0.00
75	C	Fluoranthene	1.324	1.445	-9.1	106	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	109	0.00
77		Benzidine	0.710	0.670	5.6	94	0.00
78		Pyrene	1.404	1.489	-6.1	107	0.00
79	S	Terphenyl-d14	1.352	1.553	-14.9	111	0.00
80		Butylbenzylphthalate	0.526	0.546	-3.8	106	0.00
81		Benzo(a)anthracene	1.377	1.478	-7.3	109	0.00
82		3,3'-Dichlorobenzidine	0.527	0.557	-5.7	104	0.00
83		Chrysene	1.275	1.356	-6.4	110	0.00
84		Bis(2-ethylhexyl)phthalate	0.786	0.841	-7.0	108	0.00
85	c	Di-n-octyl phthalate	1.296	1.329	-2.5	106	0.00
86	I	Perylene-d12	1.000	1.000	0.0	106	-0.01
87		Indeno(1,2,3-cd)pyrene	1.490	1.600	-7.4	106	-0.01
88		Benzo(b)fluoranthene	1.301	1.421	-9.2	107	0.00
89		Benzo(k)fluoranthene	1.316	1.424	-8.2	109	0.00
90	C	Benzo(a)pyrene	1.218	1.306	-7.2	107	0.00
91		Dibenzo(a,h)anthracene	1.215	1.313	-8.1	107	-0.02
92		Benzo(g,h,i)perylene	1.163	1.237	-6.4	106	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050052.D
Acq On : 30 Apr 2025 19:20
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: May 01 02:18:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 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_M\Data\BM043025\
Data File : BM050052.D
Acq On : 30 Apr 2025 19:20
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: May 01 02:18:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 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	42.469	-6.2	104	0.00
3		Pyridine	40.000	43.944	-9.9	106	0.00
4		n-Nitrosodimethylamine	40.000	43.923	-9.8	106	0.00
5	S	2-Fluorophenol	80.000	85.992	-7.5	104	0.00
6		Aniline	40.000	43.142	-7.9	103	0.00
7	S	Phenol-d6	80.000	88.206	-10.3	105	0.00
8		2-Chlorophenol	40.000	42.642	-6.6	103	0.00
9		Benzaldehyde	40.000	43.570	-8.9	104	0.00
10	C	Phenol	40.000	43.645	-9.1	105	0.00
11		bis(2-Chloroethyl)ether	40.000	43.225	-8.1	105	0.00
12		1,3-Dichlorobenzene	40.000	41.739	-4.3	102	0.00
13	C	1,4-Dichlorobenzene	40.000	42.030	-5.1	103	0.00
14		1,2-Dichlorobenzene	40.000	42.002	-5.0	102	0.00
15		Benzyl Alcohol	40.000	44.486	-11.2	105	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	44.015	-10.0	107	0.00
17		2-Methylphenol	40.000	43.512	-8.8	103	0.00
18		Hexachloroethane	40.000	42.272	-5.7	104	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	44.920	-12.3	105	0.00
20		3+4-Methylphenols	40.000	43.886	-9.7	104	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	103	0.00
22		Acetophenone	40.000	43.348	-8.4	105	0.00
23	S	Nitrobenzene-d5	80.000	87.722	-9.7	106	0.00
24		Nitrobenzene	40.000	43.469	-8.7	106	0.00
25		Isophorone	40.000	43.006	-7.5	106	0.00
26	C	2-Nitrophenol	40.000	43.526	-8.8	103	0.00
27		2,4-Dimethylphenol	40.000	43.659	-9.1	104	0.00
28		bis(2-Chloroethoxy)methane	40.000	43.130	-7.8	105	0.00
29	C	2,4-Dichlorophenol	40.000	43.323	-8.3	103	0.00
30		1,2,4-Trichlorobenzene	40.000	41.651	-4.1	102	0.00
31		Naphthalene	40.000	42.163	-5.4	104	0.00
32		Benzoic acid	40.000	41.584	-4.0	104	0.00
33		4-Chloroaniline	40.000	43.109	-7.8	105	0.00
34	C	Hexachlorobutadiene	40.000	42.119	-5.3	104	0.00
35		Caprolactam	40.000	42.512	-6.3	102	0.00
36	C	4-Chloro-3-methylphenol	40.000	42.764	-6.9	105	0.00
37		2-Methylnaphthalene	40.000	42.240	-5.6	104	0.00
38		1-Methylnaphthalene	40.000	42.014	-5.0	104	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	103	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	43.583	-9.0	104	0.00
41	P	Hexachlorocyclopentadiene	40.000	42.359	-5.9	101	0.00
42	S	2,4,6-Tribromophenol	80.000	87.751	-9.7	105	0.00
43	C	2,4,6-Trichlorophenol	40.000	43.991	-10.0	104	0.00
44		2,4,5-Trichlorophenol	40.000	44.136	-10.3	104	0.00
45	S	2-Fluorobiphenyl	80.000	88.649	-10.8	107	0.00
46		1,1'-Biphenyl	40.000	42.794	-7.0	104	0.00
47		2-Chloronaphthalene	40.000	42.783	-7.0	104	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050052.D
Acq On : 30 Apr 2025 19:20
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: May 01 02:18:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	45.233	-13.1	106	0.00
49		Acenaphthylene	40.000	42.671	-6.7	103	0.00
50		Dimethylphthalate	40.000	42.261	-5.7	104	0.00
51		2,6-Dinitrotoluene	40.000	43.345	-8.4	103	0.00
52	C	Acenaphthene	40.000	42.913	-7.3	105	0.00
53		3-Nitroaniline	40.000	43.320	-8.3	100	0.00
54	P	2,4-Dinitrophenol	40.000	37.592	6.0	96	0.00
55		Dibenzofuran	40.000	42.681	-6.7	105	0.00
56	P	4-Nitrophenol	40.000	40.867	-2.2	104	0.00
57		2,4-Dinitrotoluene	40.000	44.164	-10.4	104	0.00
58		Fluorene	40.000	43.960	-9.9	106	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	43.644	-9.1	106	0.00
60		Diethylphthalate	40.000	42.478	-6.2	105	0.00
61		4-Chlorophenyl-phenylether	40.000	44.366	-10.9	107	0.00
62		4-Nitroaniline	40.000	44.974	-12.4	103	0.00
63		Azobenzene	40.000	44.555	-11.4	109	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	104	0.00
65		4,6-Dinitro-2-methylphenol	40.000	41.112	-2.8	99	0.00
66	c	n-Nitrosodiphenylamine	40.000	43.186	-8.0	105	0.00
67		4-Bromophenyl-phenylether	40.000	42.855	-7.1	104	0.00
68		Hexachlorobenzene	40.000	42.336	-5.8	104	0.00
69		Atrazine	40.000	43.344	-8.4	105	0.00
70	C	Pentachlorophenol	40.000	43.504	-8.8	106	0.00
71		Phenanthrene	40.000	43.149	-7.9	106	0.00
72		Anthracene	40.000	43.356	-8.4	106	0.00
73		Carbazole	40.000	42.961	-7.4	105	0.00
74		Di-n-butylphthalate	40.000	43.057	-7.6	106	0.00
75	C	Fluoranthene	40.000	43.640	-9.1	106	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	109	0.00
77		Benzidine	40.000	37.711	5.7	94	0.00
78		Pyrene	40.000	42.398	-6.0	107	0.00
79	S	Terphenyl-d14	80.000	91.926	-14.9	111	0.00
80		Butylbenzylphthalate	40.000	41.551	-3.9	106	0.00
81		Benzo(a)anthracene	40.000	42.916	-7.3	109	0.00
82		3,3'-Dichlorobenzidine	40.000	42.286	-5.7	104	0.00
83		Chrysene	40.000	42.564	-6.4	110	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	42.804	-7.0	108	0.00
85	c	Di-n-octyl phthalate	40.000	41.024	-2.6	106	0.00
86	I	Perylene-d12	20.000	20.000	0.0	106	-0.01
87		Indeno(1,2,3-cd)pyrene	40.000	42.955	-7.4	106	-0.01
88		Benzo(b)fluoranthene	40.000	43.696	-9.2	107	0.00
89		Benzo(k)fluoranthene	40.000	43.305	-8.3	109	0.00
90	C	Benzo(a)pyrene	40.000	42.893	-7.2	107	0.00
91		Dibenzo(a,h)anthracene	40.000	43.220	-8.0	107	-0.02
92		Benzo(g,h,i)perylene	40.000	42.532	-6.3	106	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050052.D
Acq On : 30 Apr 2025 19:20
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: May 01 02:18:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 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: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG No.: Q1883

Instrument ID: BNA_M Calibration Date/Time: 04/30/2025 21:18

Lab File ID: BM050054.D Init. Calib. Date(s): 04/28/2025 04/28/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:30 17:04

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.142	1.246		9.1	
Phenol-d6	1.436	1.604		11.7	
Nitrobenzene-d5	0.406	0.459		13.1	
Naphthalene	1.013	1.080		6.6	
2-Methylnaphthalene	0.679	0.713		5.0	
2-Fluorobiphenyl	1.691	1.901		12.4	
Acenaphthylene	1.857	1.979		6.6	
Acenaphthene	1.075	1.158		7.7	20.0
Fluorene	1.463	1.626		11.1	
2,4,6-Tribromophenol	0.296	0.320		8.1	
Phenanthrene	1.128	1.232		9.2	
Anthracene	1.142	1.257		10.1	
Fluoranthene	1.324	1.437		8.5	20.0
Pyrene	1.404	1.495		6.5	
Terphenyl-d14	1.352	1.595		18.0	
Benzo(a)anthracene	1.377	1.497		8.7	
Chrysene	1.275	1.357		6.4	
Benzo(b)fluoranthene	1.301	1.405		8.0	
Benzo(k)fluoranthene	1.316	1.453		10.4	
Benzo(a)pyrene	1.218	1.312		7.7	20.0
Indeno(1,2,3-cd)pyrene	1.490	1.617		8.5	
Dibenzo(a,h)anthracene	1.215	1.318		8.5	
Benzo(g,h,i)perylene	1.163	1.252		7.7	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050054.D
Acq On : 30 Apr 2025 21:18
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Quant Time: May 01 02:19:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.763	152	250618	20.000	ng		0.00
21) Naphthalene-d8	10.557	136	921090	20.000	ng		0.00
39) Acenaphthene-d10	14.404	164	604340	20.000	ng		0.00
64) Phenanthrene-d10	17.151	188	1166692	20.000	ng		0.00
76) Chrysene-d12	21.392	240	1168652	20.000	ng		0.00
86) Perylene-d12	24.391	264	1090575	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.351	112	1249147	87.278	ng		0.00
7) Phenol-d6	6.945	99	1607649	89.370	ng		0.00
23) Nitrobenzene-d5	8.922	82	1691371	90.485	ng		0.00
42) 2,4,6-Tribromophenol	15.904	330	773379	86.547	ng		0.00
45) 2-Fluorobiphenyl	13.027	172	4596002	89.966	ng		0.00
79) Terphenyl-d14	19.780	244	7457359	94.425	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.252	88	265972	43.342	ng		98
3) Pyridine	3.652	79	699220	44.347	ng		96
4) n-Nitrosodimethylamine	3.563	42	283346	45.820	ng		98
6) Aniline	7.093	93	991244	43.638	ng		97
8) 2-Chlorophenol	7.334	128	654593	42.301	ng		97
9) Benzaldehyde	6.904	77	530918	44.103	ng		97
10) Phenol	6.975	94	801896	44.035	ng		99
11) bis(2-Chloroethyl)ether	7.187	93	659256	43.354	ng		97
12) 1,3-Dichlorobenzene	7.651	146	787890	42.149	ng		97
13) 1,4-Dichlorobenzene	7.798	146	795214	42.345	ng		100
14) 1,2-Dichlorobenzene	8.116	146	767893	42.331	ng		99
15) Benzyl Alcohol	8.010	79	551565	44.214	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.287	45	833405	45.087	ng		98
17) 2-Methylphenol	8.216	107	520911	43.421	ng		98
18) Hexachloroethane	8.839	117	288124	43.160	ng		98
19) n-Nitroso-di-n-propyla...	8.569	70	524187	45.435	ng		97
20) 3+4-Methylphenols	8.545	107	708427	43.728	ng		97
22) Acetophenone	8.587	105	1006099	43.935	ng	#	99
24) Nitrobenzene	8.963	77	723338	44.754	ng		97
25) Isophorone	9.492	82	1387820	43.556	ng		98
26) 2-Nitrophenol	9.675	139	359461	43.534	ng		95
27) 2,4-Dimethylphenol	9.745	122	591564	43.202	ng		97
28) bis(2-Chloroethoxy)met...	9.969	93	862259	43.783	ng		99
29) 2,4-Dichlorophenol	10.222	162	659221	42.973	ng		100
30) 1,2,4-Trichlorobenzene	10.422	180	790792	42.311	ng		99
31) Naphthalene	10.604	128	1990173	42.665	ng		100
32) Benzoic acid	9.910	122	343697	39.245	ng		98
33) 4-Chloroaniline	10.722	127	828496	43.332	ng		98
34) Hexachlorobutadiene	10.892	225	502308	42.339	ng		100
35) Caprolactam	11.516	113	183948	41.126	ng		88
36) 4-Chloro-3-methylphenol	11.863	107	605344	42.712	ng		98
37) 2-Methylnaphthalene	12.222	142	1313225	41.991	ng		99
38) 1-Methylnaphthalene	12.439	142	1389492	41.983	ng		99
40) 1,2,4,5-Tetrachloroben...	12.598	216	906338	43.323	ng		99
41) Hexachlorocyclopentadiene	12.575	237	541225	42.333	ng		99
43) 2,4,6-Trichlorophenol	12.845	196	575908	43.402	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050054.D
Acq On : 30 Apr 2025 21:18
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Quant Time: May 01 02:19:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

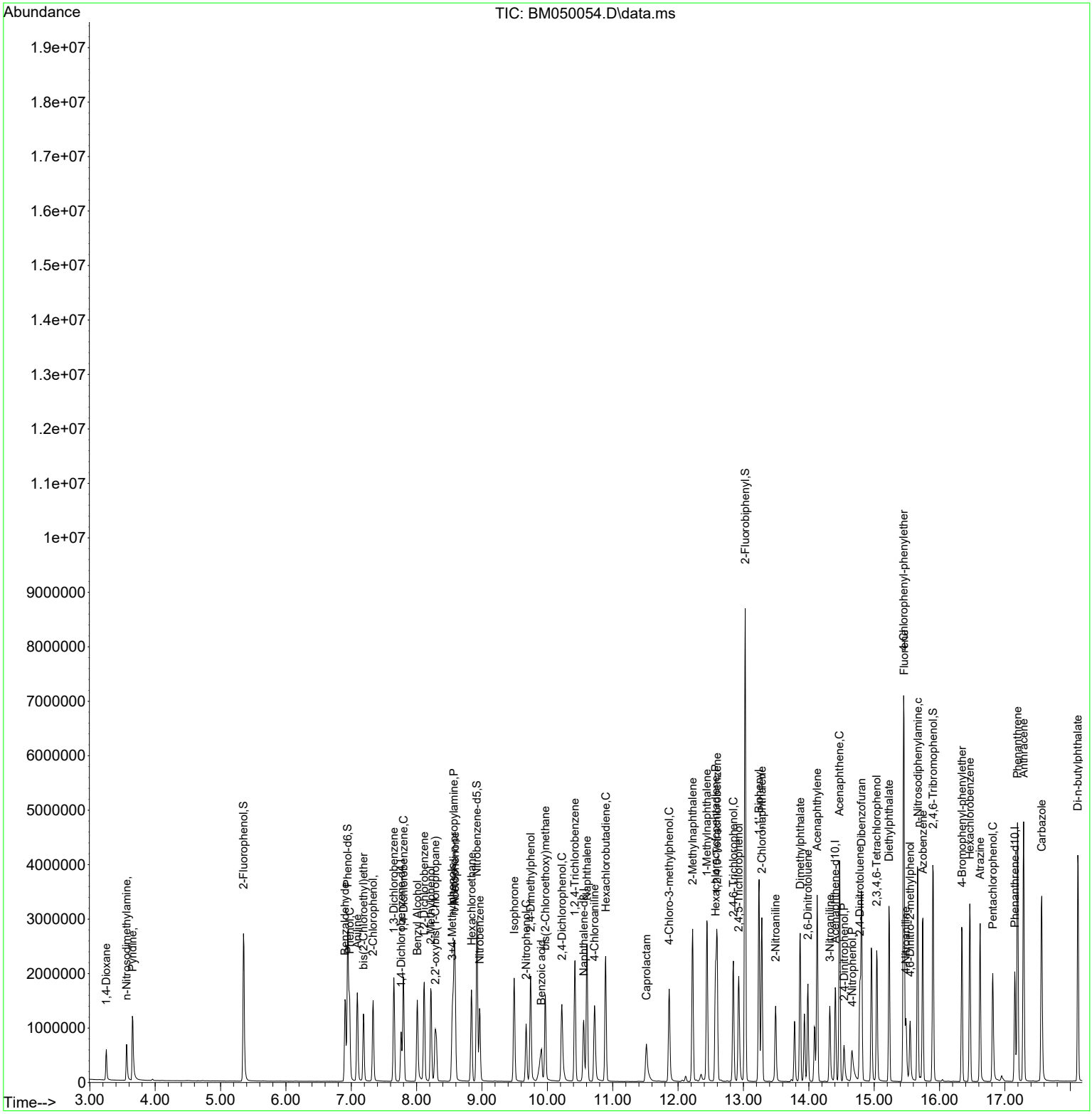
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.927	196	623048	43.543	ng	98
46) 1,1'-Biphenyl	13.239	154	1943705	43.267	ng	99
47) 2-Chloronaphthalene	13.280	162	1526471	42.903	ng	99
48) 2-Nitroaniline	13.492	65	382749	45.835	ng	94
49) Acenaphthylene	14.127	152	2391528	42.631	ng	100
50) Dimethylphthalate	13.869	163	1841172	41.688	ng	99
51) 2,6-Dinitrotoluene	13.986	165	388032	42.434	ng	92
52) Acenaphthene	14.469	154	1399364	43.095	ng	99
53) 3-Nitroaniline	14.321	138	377093	43.194	ng	95
54) 2,4-Dinitrophenol	14.539	184	193787	36.480	ng	96
55) Dibenzofuran	14.804	168	2293685	42.455	ng	98
56) 4-Nitrophenol	14.663	139	262090	39.344	ng	94
57) 2,4-Dinitrotoluene	14.780	165	550318	43.553	ng	96
58) Fluorene	15.457	166	1965792	44.454	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.039	232	528006	42.630	ng	99
60) Diethylphthalate	15.227	149	1754483	42.159	ng	99
61) 4-Chlorophenyl-phenyle...	15.451	204	1074604	44.242	ng	100
62) 4-Nitroaniline	15.486	138	371888	44.151	ng	93
63) Azobenzene	15.745	77	1575149	45.162	ng	99
65) 4,6-Dinitro-2-methylph...	15.551	198	298765	40.910	ng	95
66) n-Nitrosodiphenylamine	15.668	169	1579781	44.096	ng	99
67) 4-Bromophenyl-phenylether	16.345	248	605929	42.948	ng	97
68) Hexachlorobenzene	16.463	284	691946	42.547	ng	100
69) Atrazine	16.621	200	557532	43.143	ng	99
70) Pentachlorophenol	16.815	266	398945	43.580	ng	99
71) Phenanthrene	17.192	178	2875342	43.696	ng	100
72) Anthracene	17.286	178	2933517	44.052	ng	99
73) Carbazole	17.562	167	2486964	43.038	ng	100
74) Di-n-butylphthalate	18.115	149	2993002	43.493	ng	99
75) Fluoranthene	19.215	202	3352057	43.389	ng	99
77) Benzidine	19.398	184	1639286	39.490	ng	100
78) Pyrene	19.574	202	3495020	42.588	ng	100
80) Butylbenzylphthalate	20.474	149	1279659	41.632	ng	96
81) Benzo(a)anthracene	21.374	228	3499337	43.483	ng	99
82) 3,3'-Dichlorobenzidine	21.297	252	1309088	42.493	ng	99
83) Chrysene	21.439	228	3171890	42.586	ng	100
84) Bis(2-ethylhexyl)phtha...	21.292	149	2000776	43.580	ng	100
85) Di-n-octyl phthalate	22.421	149	3086707	40.768	ng	98
87) Indeno(1,2,3-cd)pyrene	27.774	276	3527144	43.405	ng	99
88) Benzo(b)fluoranthene	23.444	252	3063766	43.198	ng	100
89) Benzo(k)fluoranthene	23.503	252	3169596	44.181	ng	100
90) Benzo(a)pyrene	24.250	252	2861159	43.072	ng	100
91) Dibenzo(a,h)anthracene	27.826	278	2873981	43.386	ng	99
92) Benzo(g,h,i)perylene	28.832	276	2730616	43.058	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050054.D
Acq On : 30 Apr 2025 21:18
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Quant Time: May 01 02:19:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



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Data File : BM050054.D
Acq On : 30 Apr 2025 21:18
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Quant Time: May 01 02:19:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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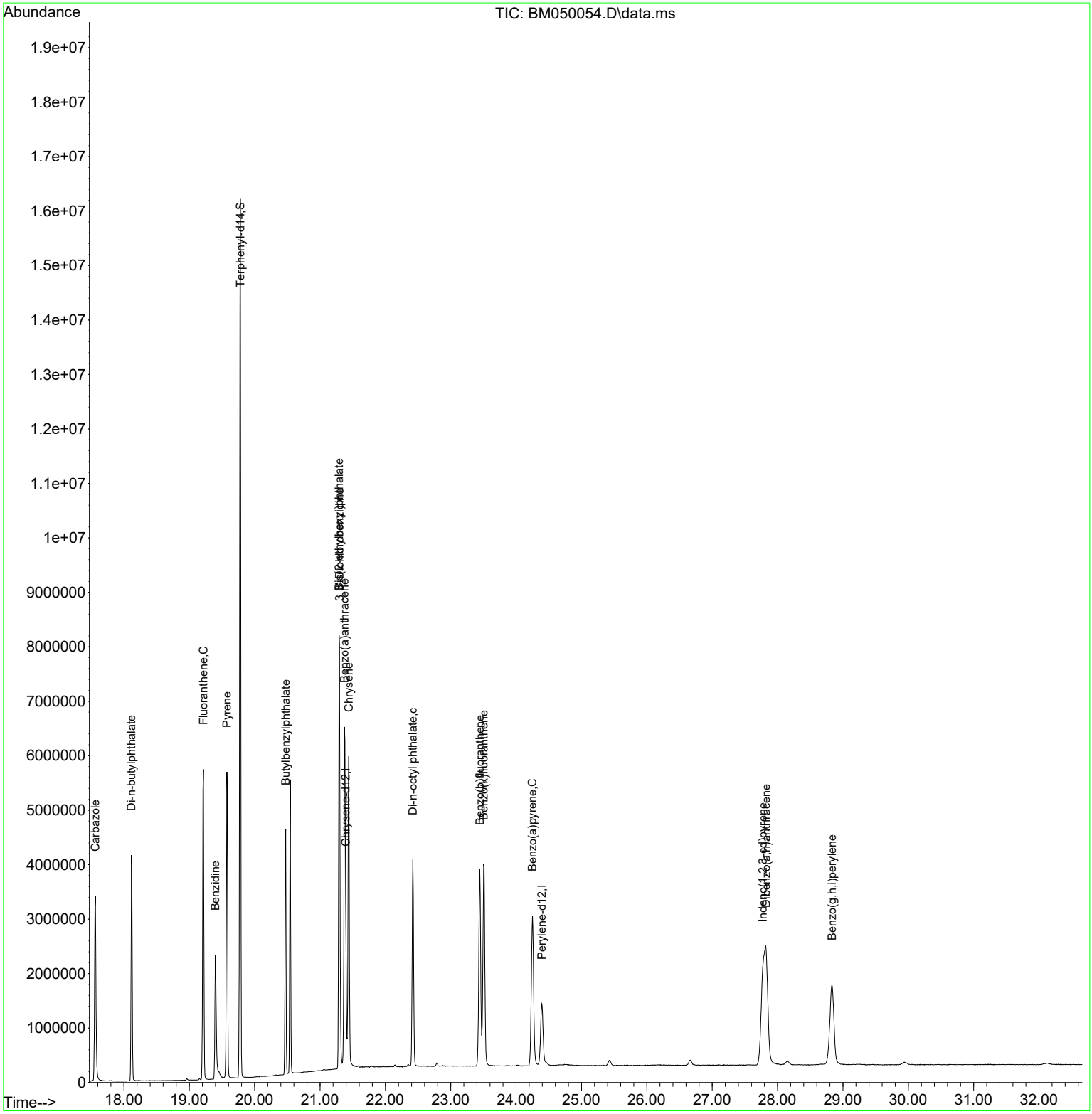
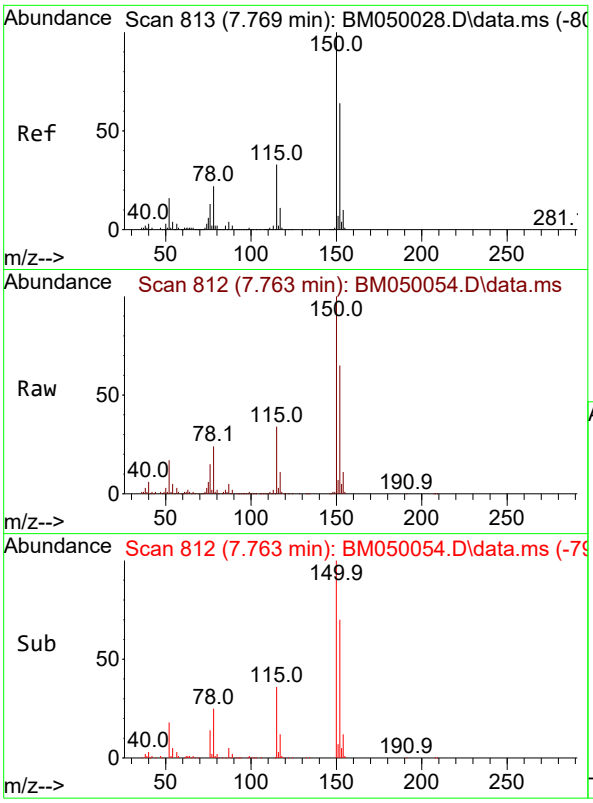
Response via : Initial Calibration



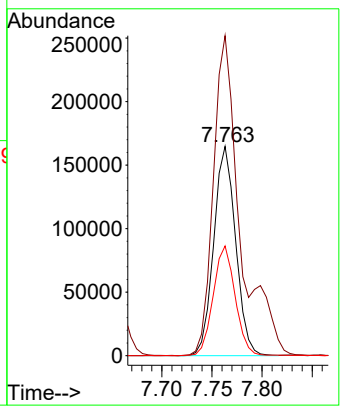


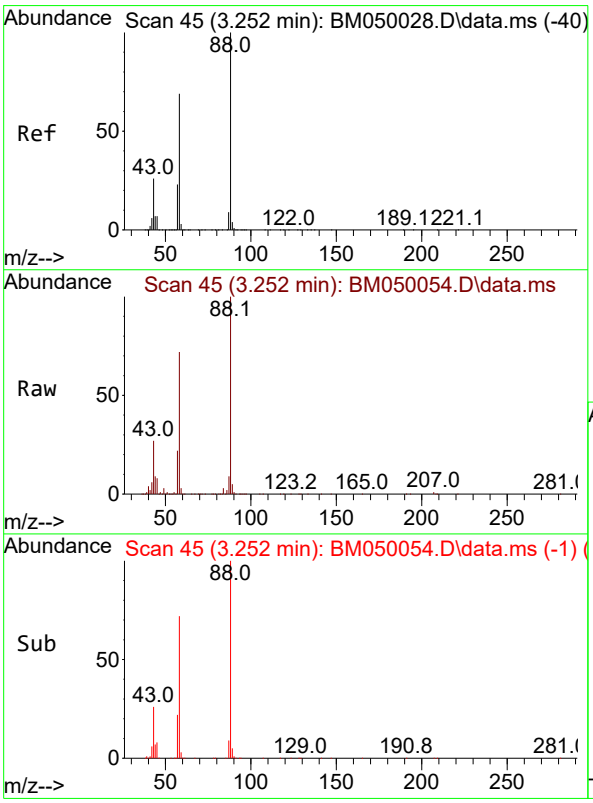
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 250618

Ion	Ratio	Lower	Upper
152	100		
150	152.9	124.1	186.1
115	52.4	41.2	61.8

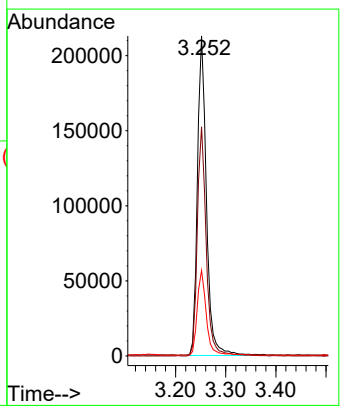


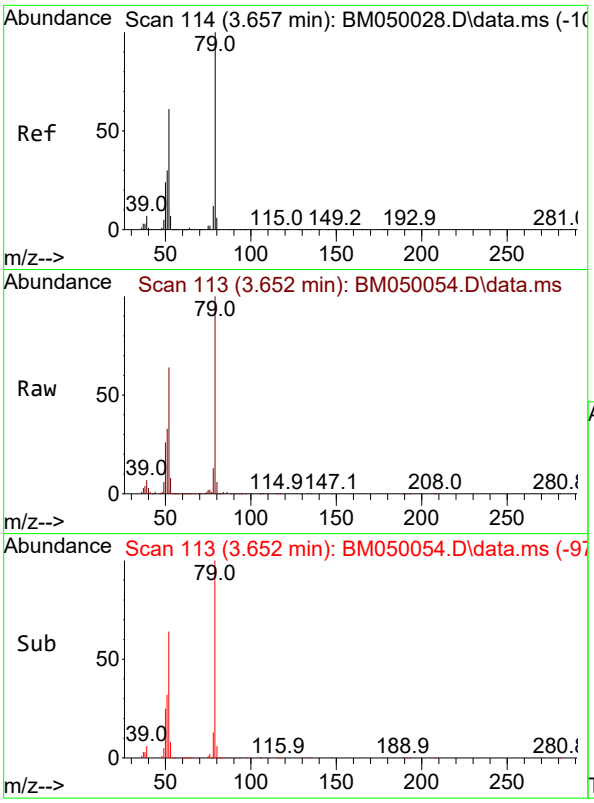


#2
1,4-Dioxane
Concen: 43.342 ng
RT: 3.252 min Scan# 45
Delta R.T. 0.000 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion: 88 Resp: 265972

Ion	Ratio	Lower	Upper
88	100		
58	71.0	55.1	82.7
43	26.8	20.9	31.3



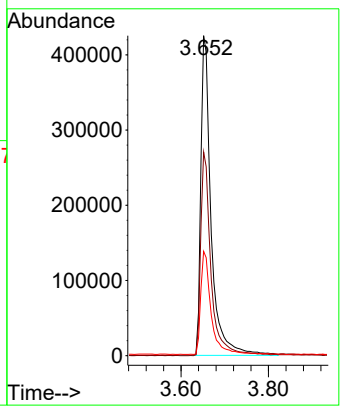


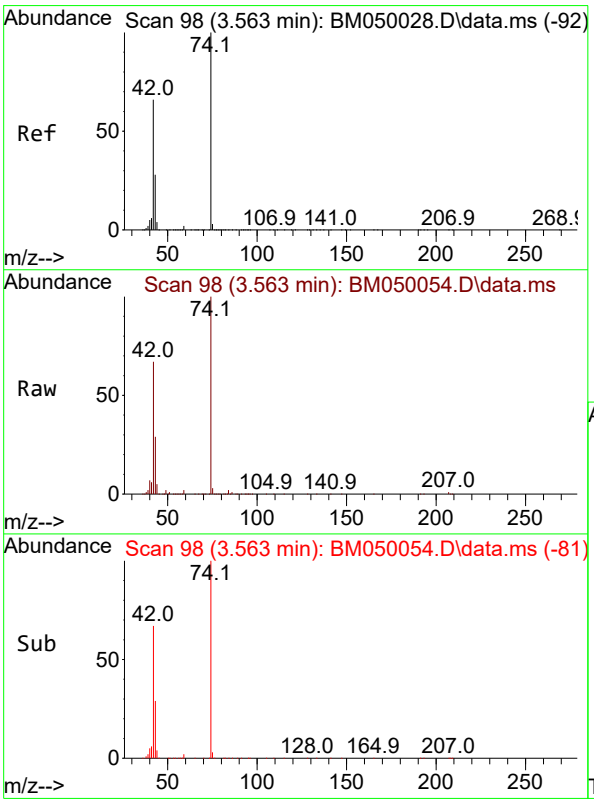
#3
Pyridine
Concen: 44.347 ng
RT: 3.652 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 699220

Ion	Ratio	Lower	Upper
79	100		
52	63.6	48.6	72.8
51	32.6	24.6	37.0

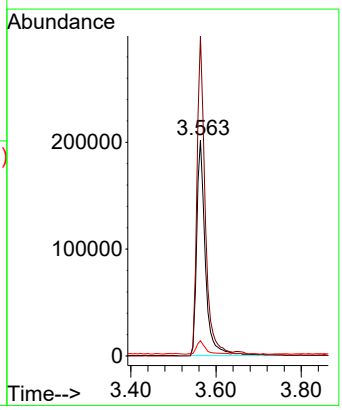


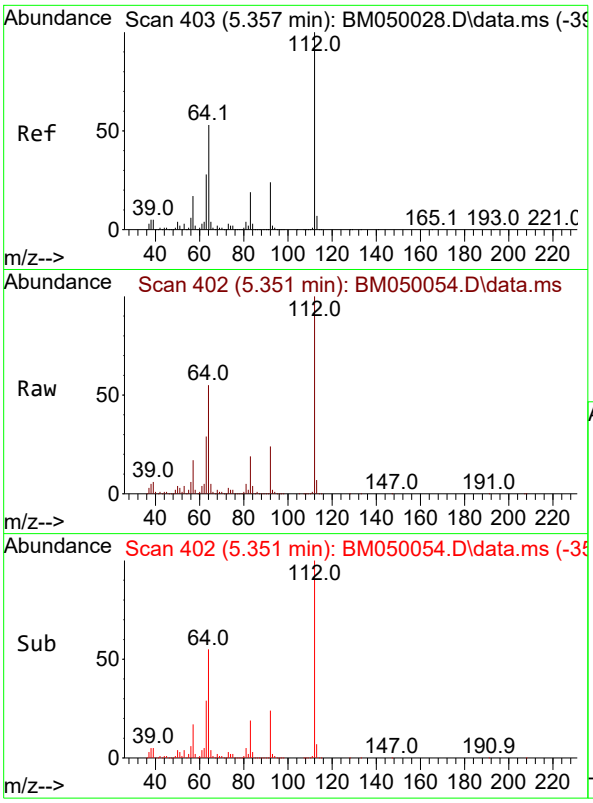


#4
n-Nitrosodimethylamine
Concen: 45.820 ng
RT: 3.563 min Scan# 98
Delta R.T. 0.000 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion: 42 Resp: 283346

Ion	Ratio	Lower	Upper
42	100		
74	148.2	120.2	180.2
44	7.0	6.2	9.2



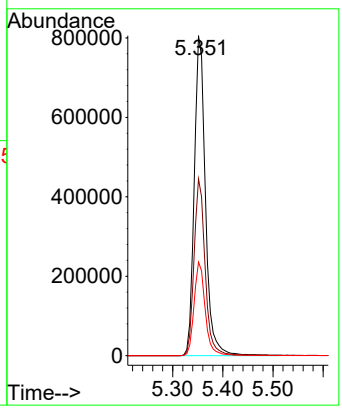


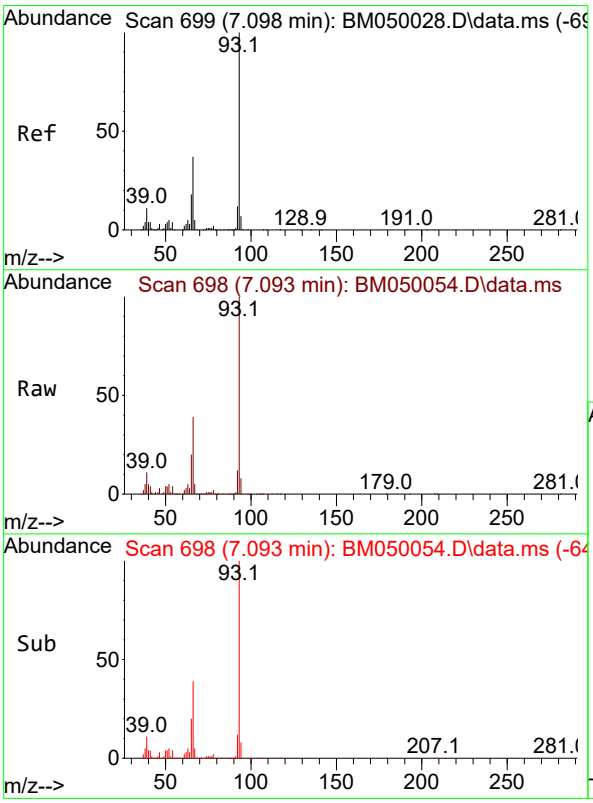
#5
2-Fluorophenol
Concen: 87.278 ng
RT: 5.351 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 1249147

Ion	Ratio	Lower	Upper
112	100		
64	55.3	42.6	64.0
63	29.3	22.2	33.4

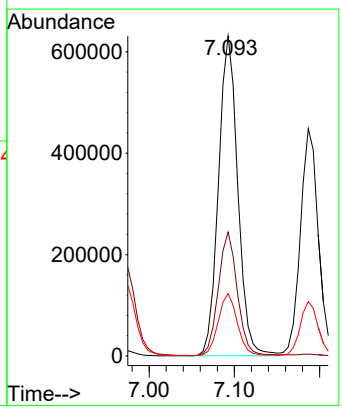


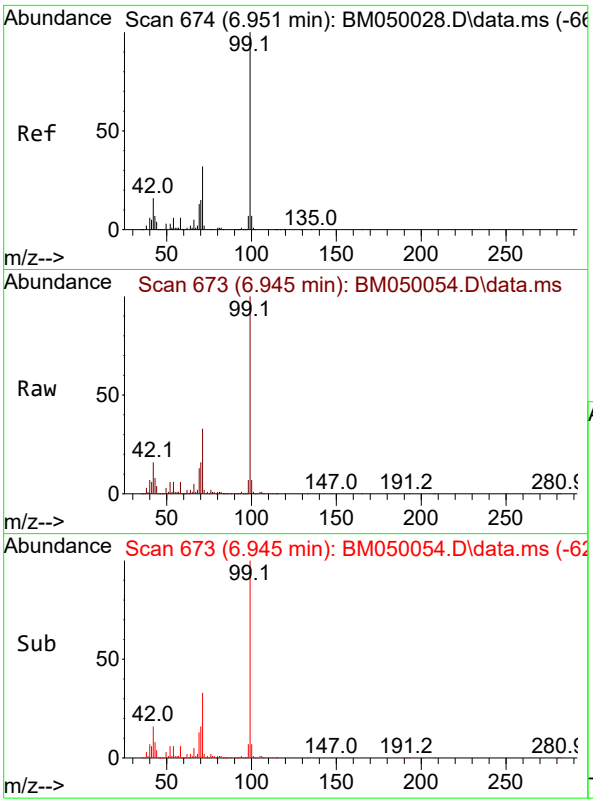


#6
Aniline
Concen: 43.638 ng
RT: 7.093 min Scan# 698
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion: 93 Resp: 991244

Ion	Ratio	Lower	Upper
93	100		
66	38.8	29.9	44.9
65	19.5	14.5	21.7



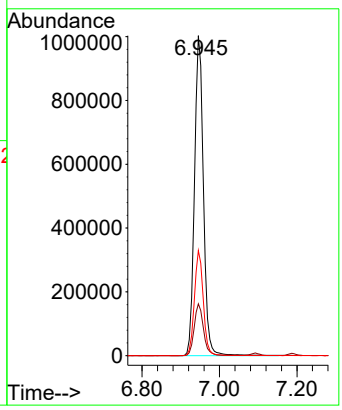


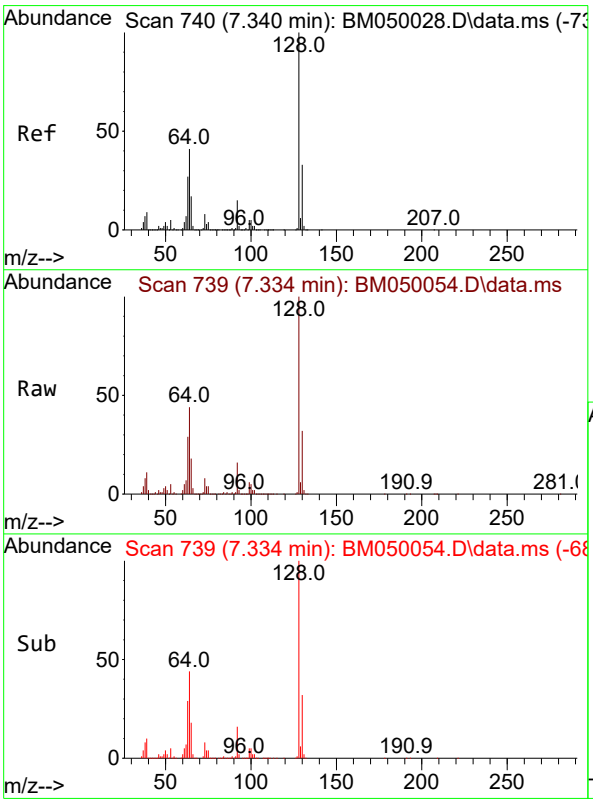
#7
Phenol-d6
Concen: 89.370 ng
RT: 6.945 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 1607649

Ion	Ratio	Lower	Upper
99	100		
42	16.2	13.0	19.4
71	32.8	25.6	38.4

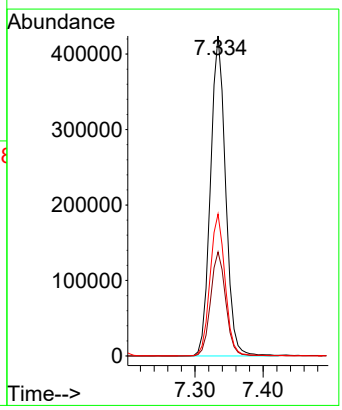


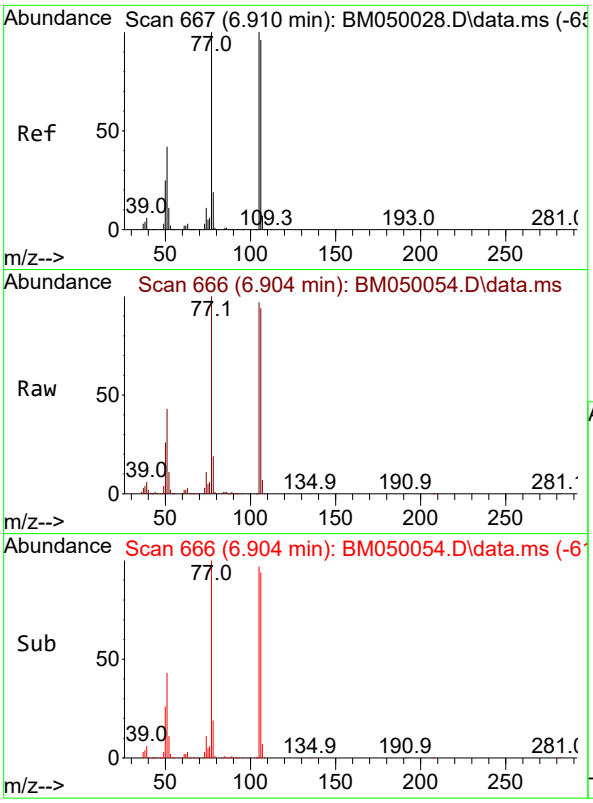


#8
2-Chlorophenol
Concen: 42.301 ng
RT: 7.334 min Scan# 739
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion:128 Resp: 654593

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.8	52.8
64	44.3	21.2	61.2



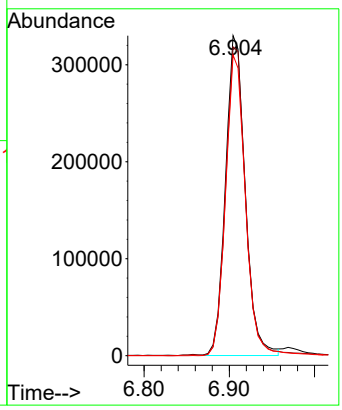


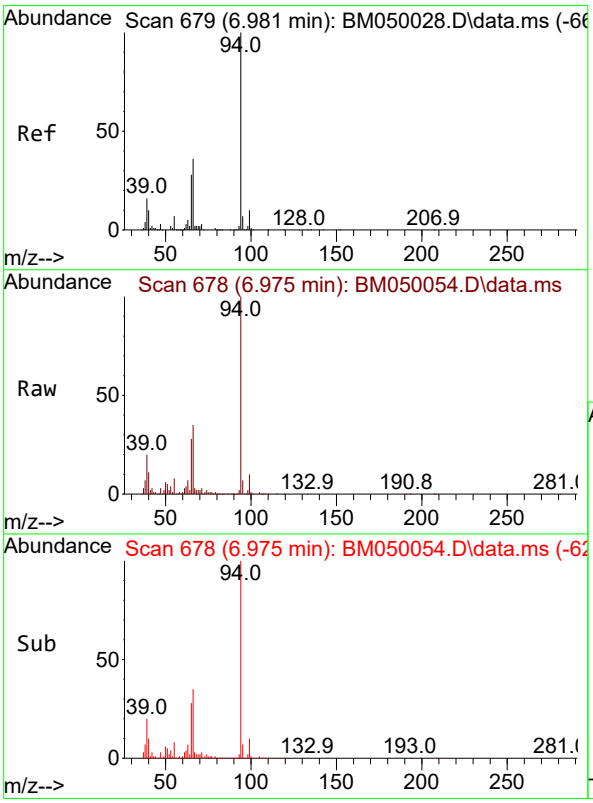
#9
Benzaldehyde
Concen: 44.103 ng
RT: 6.904 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 530918

Ion	Ratio	Lower	Upper
77	100		
105	96.5	80.5	120.5
106	94.0	76.1	116.1

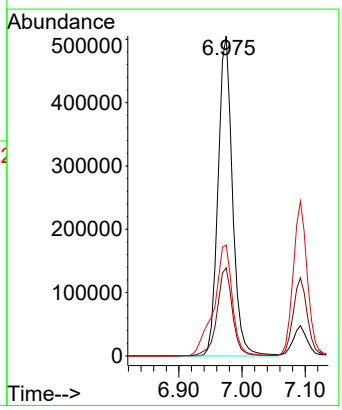


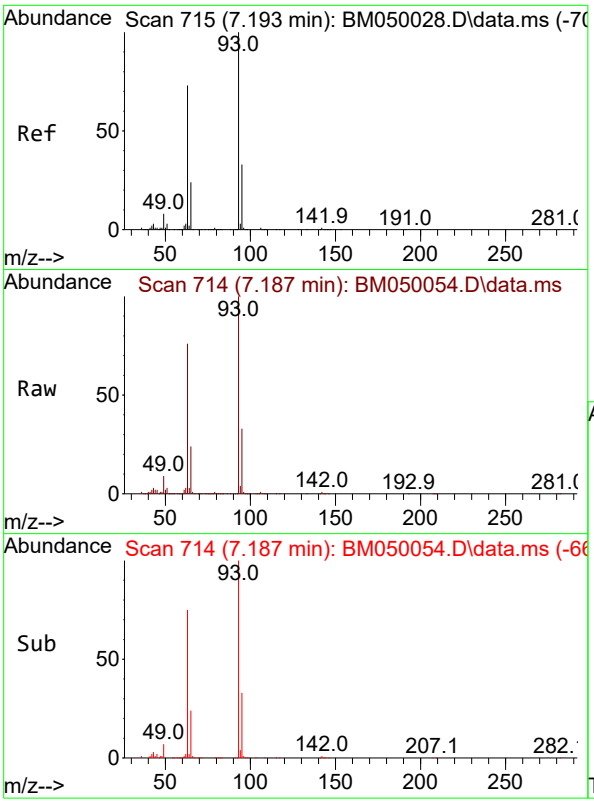


#10
Phenol
Concen: 44.035 ng
RT: 6.975 min Scan# 678
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion: 94 Resp: 801896

Ion	Ratio	Lower	Upper
94	100		
65	27.5	7.6	47.6
66	34.7	15.8	55.8



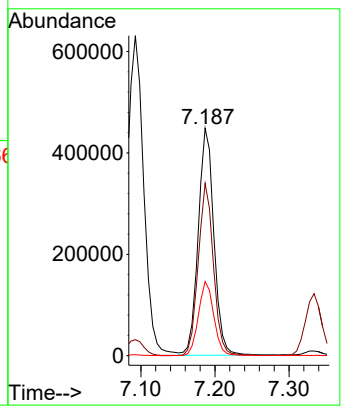


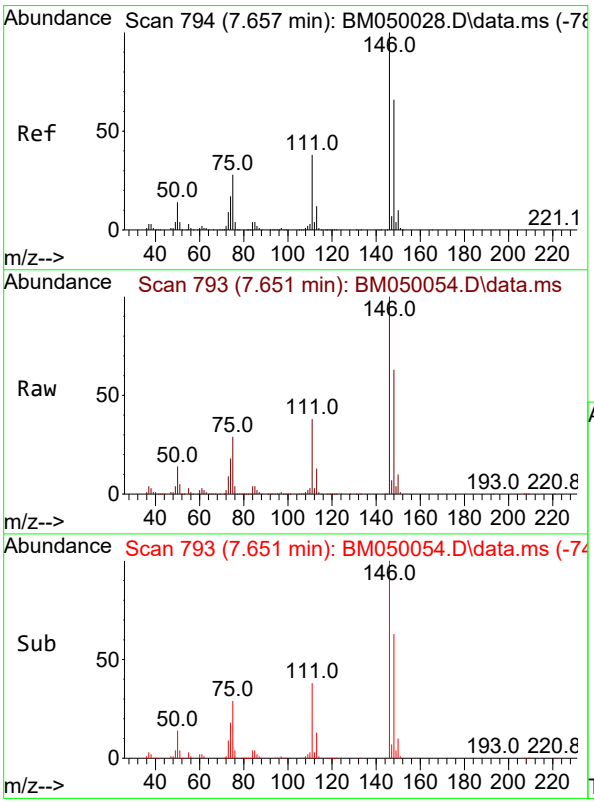
#11
bis(2-Chloroethyl)ether
Concen: 43.354 ng
RT: 7.187 min Scan# 7
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 659256

Ion	Ratio	Lower	Upper
93	100		
63	75.8	52.3	92.3
95	32.6	12.8	52.8

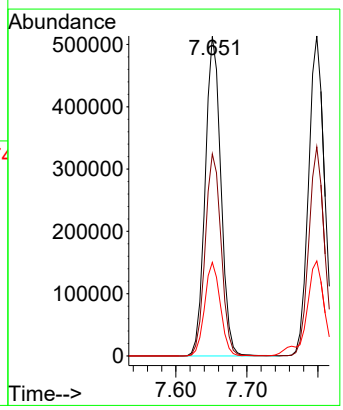


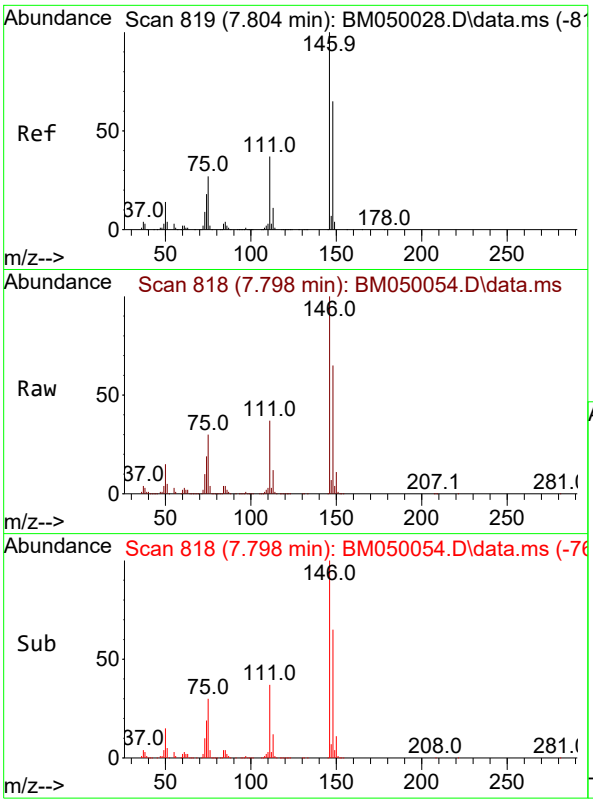


#12
1,3-Dichlorobenzene
Concen: 42.149 ng
RT: 7.651 min Scan# 793
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion:146 Resp: 787890

Ion	Ratio	Lower	Upper
146	100		
148	63.3	52.5	78.7
75	29.3	22.6	34.0



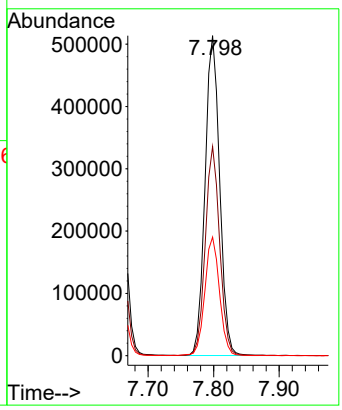


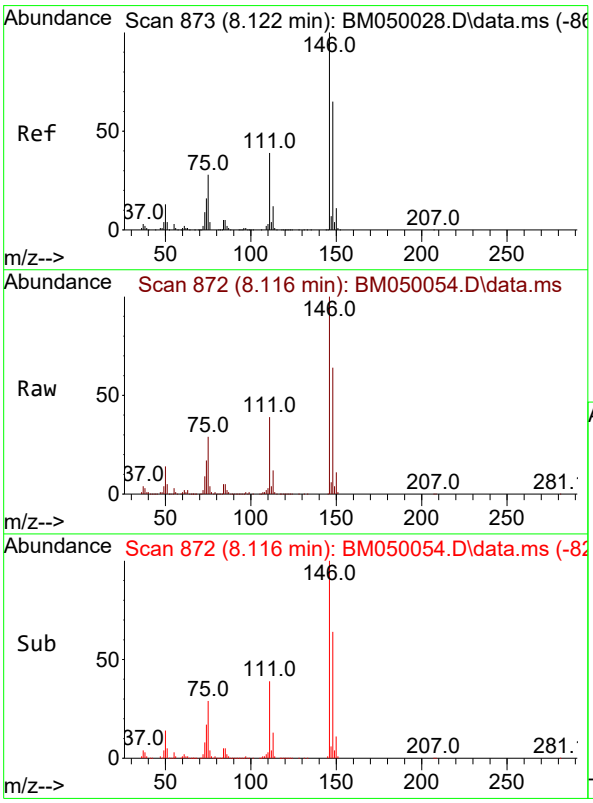
#13
1,4-Dichlorobenzene
Concen: 42.345 ng
RT: 7.798 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 795214

Ion	Ratio	Lower	Upper
146	100		
148	65.3	52.2	78.2
111	37.1	29.3	43.9

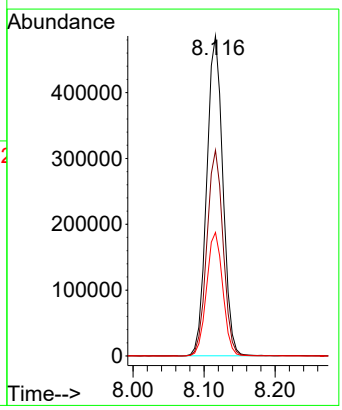


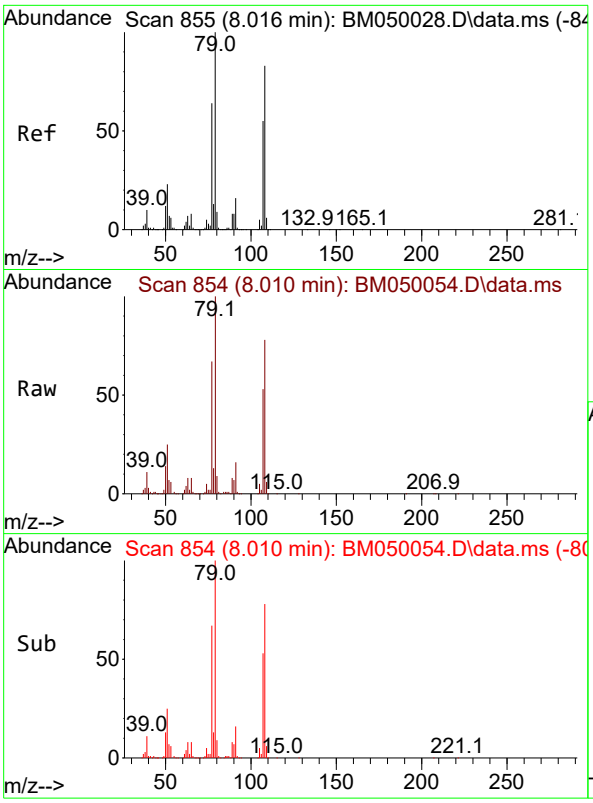


#14
1,2-Dichlorobenzene
Concen: 42.331 ng
RT: 8.116 min Scan# 872
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion:146 Resp: 767893

Ion	Ratio	Lower	Upper
146	100		
148	64.3	52.4	78.6
111	38.6	31.0	46.6



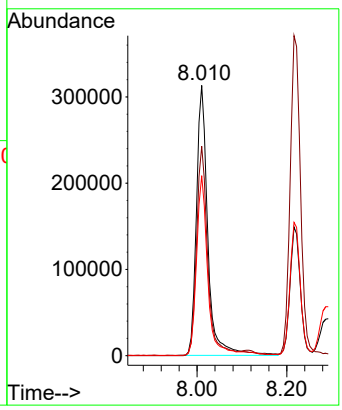


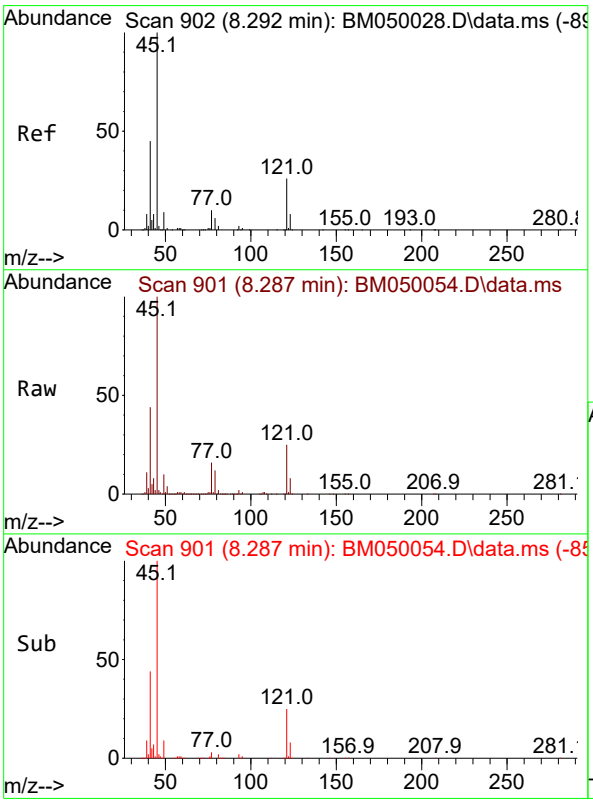
#15
Benzyl Alcohol
Concen: 44.214 ng
RT: 8.010 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 551565

Ion	Ratio	Lower	Upper
79	100		
108	77.5	66.0	99.0
77	66.6	51.6	77.4

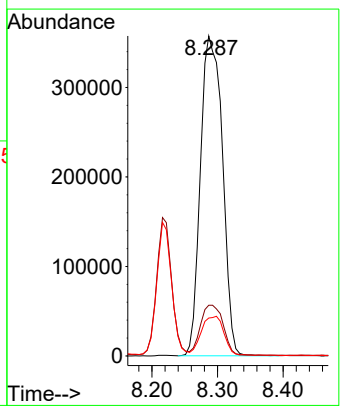


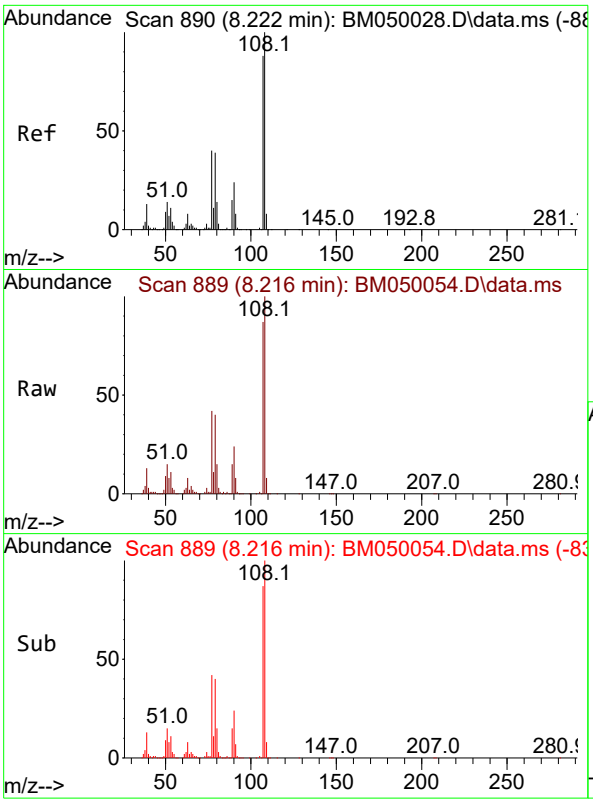


#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.087 ng
RT: 8.287 min Scan# 901
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion: 45 Resp: 833405

Ion	Ratio	Lower	Upper
45	100		
77	15.9	0.0	36.4
79	11.9	0.0	32.7



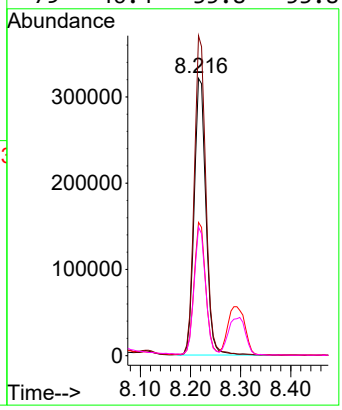


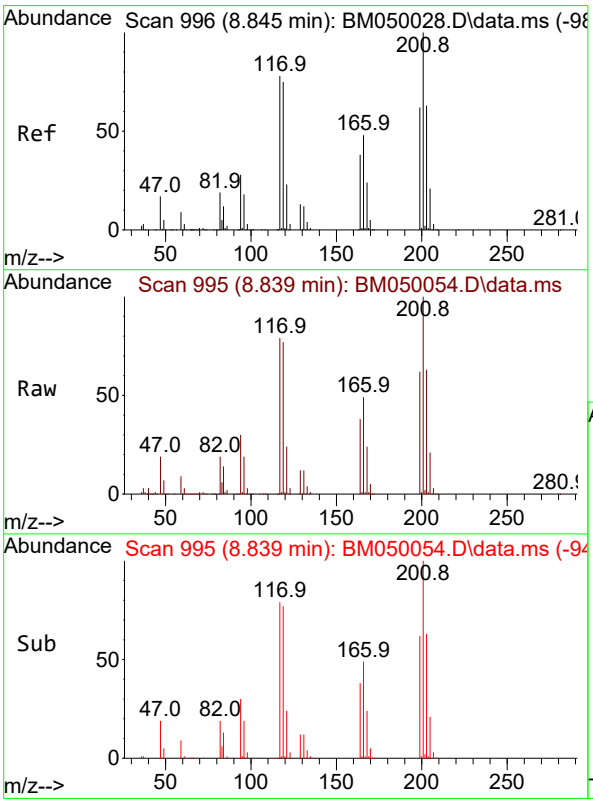
#17
2-Methylphenol
Concen: 43.421 ng
RT: 8.216 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 520911

Ion	Ratio	Lower	Upper
107	100		
108	115.4	91.1	136.7
77	48.1	36.2	54.4
79	46.4	35.8	53.8

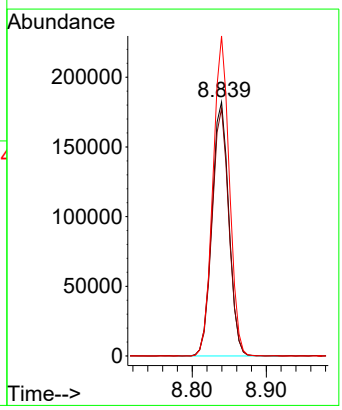


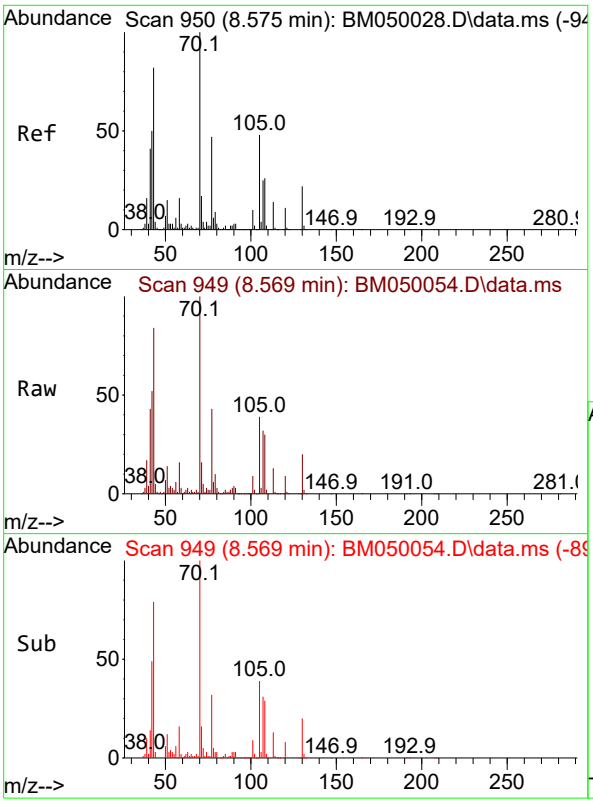


#18
Hexachloroethane
Concen: 43.160 ng
RT: 8.839 min Scan# 995
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion:117 Resp: 288124

Ion	Ratio	Lower	Upper
117	100		
119	97.5	77.3	115.9
201	126.0	102.8	154.2



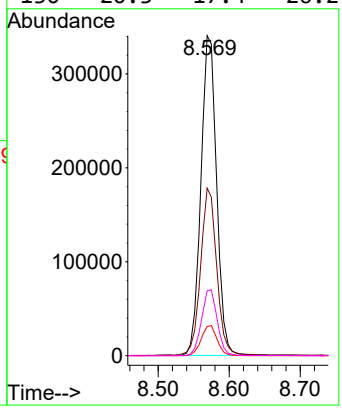


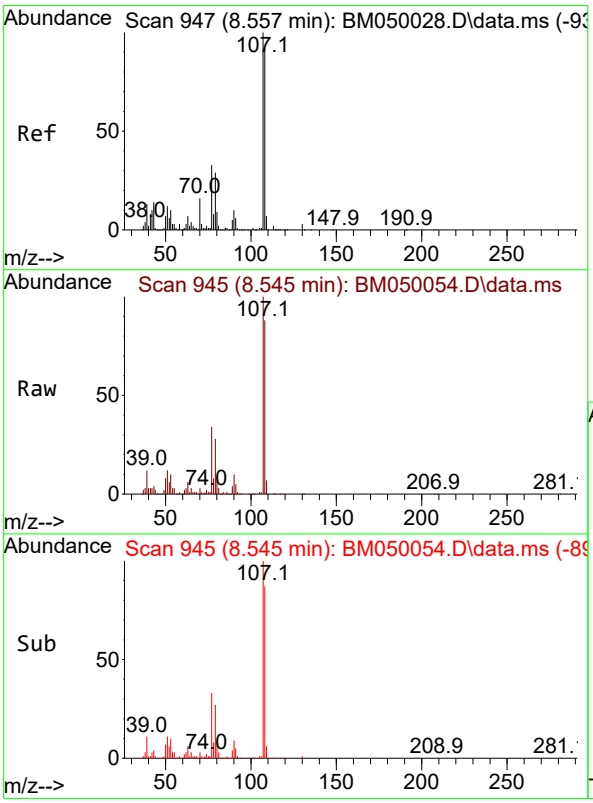
#19
n-Nitroso-di-n-propylamine
Concen: 45.435 ng
RT: 8.569 min Scan# 94
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 524187

Ion	Ratio	Lower	Upper
70	100		
42	52.4	40.5	60.7
101	9.1	7.8	11.6
130	20.3	17.4	26.2

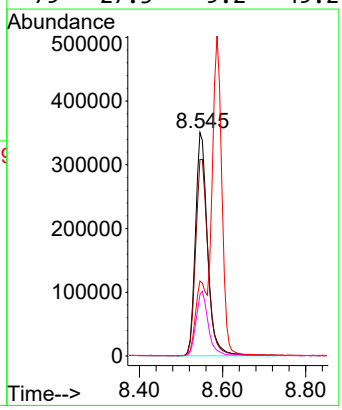


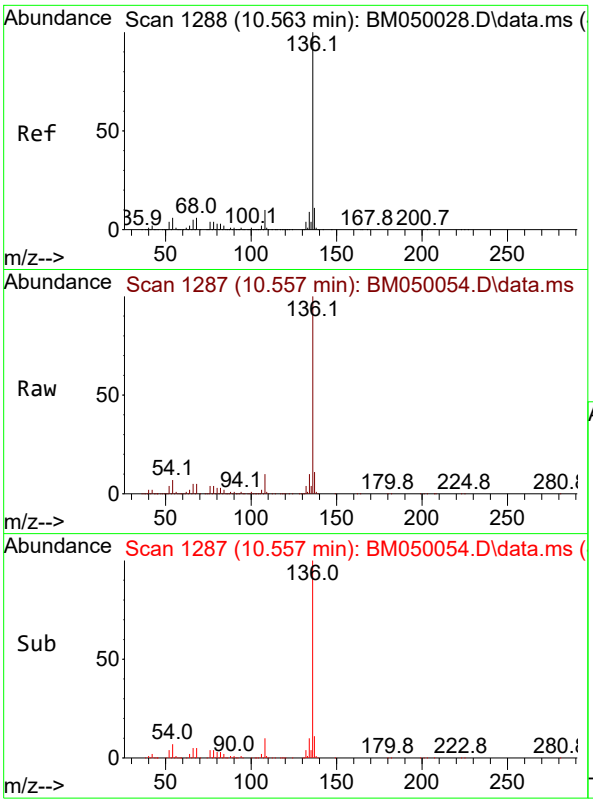


#20
3+4-Methylphenols
Concen: 43.728 ng
RT: 8.545 min Scan# 945
Delta R.T. -0.012 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion:107 Resp: 708427

Ion	Ratio	Lower	Upper
107	100		
108	87.9	72.4	112.4
77	33.5	13.6	53.6
79	27.5	9.2	49.2



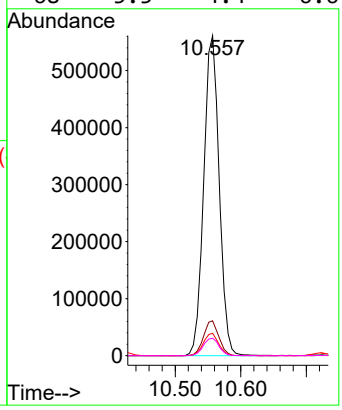


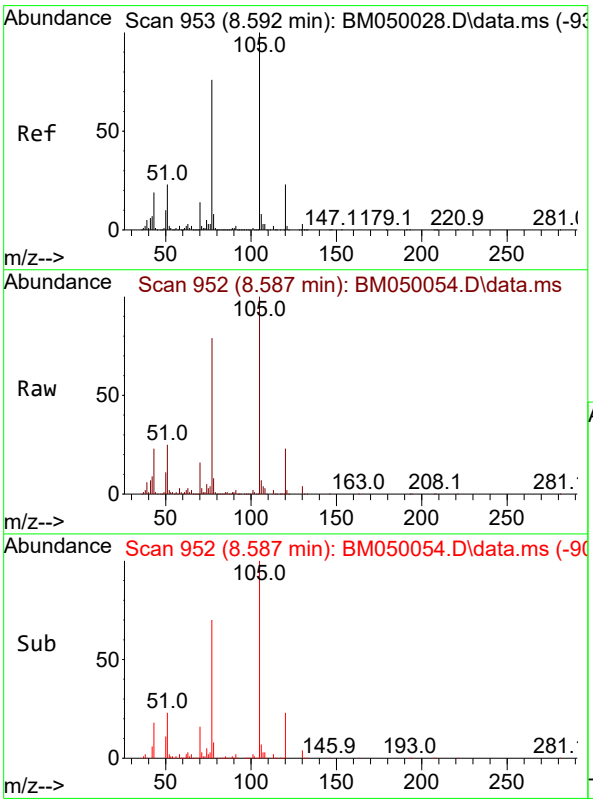
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 921090

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.0	5.1	7.7
68	5.5	4.4	6.6

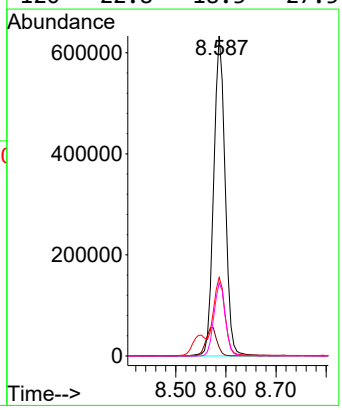


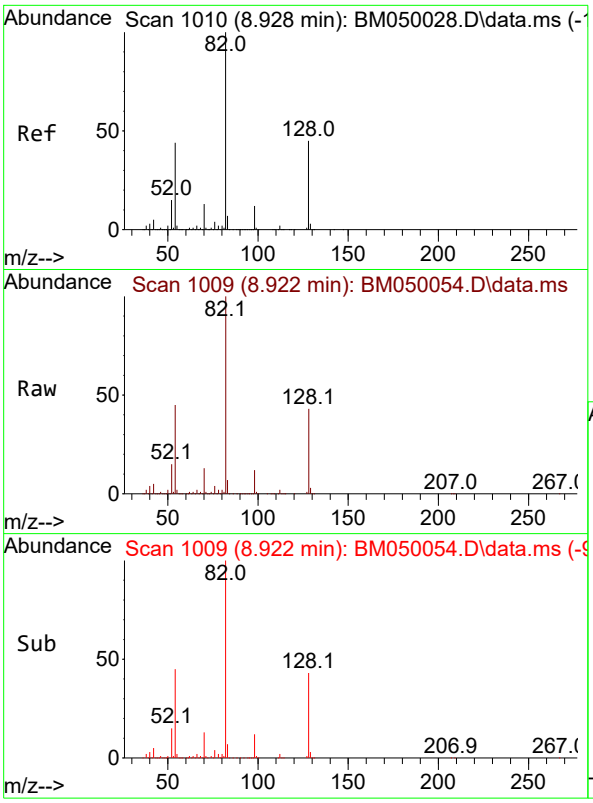


#22
Acetophenone
Concen: 43.935 ng
RT: 8.587 min Scan# 952
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion:105 Resp: 1006099

Ion	Ratio	Lower	Upper
105	100		
71	2.7	1.7	2.5#
51	24.5	18.6	27.8
120	22.8	18.3	27.5



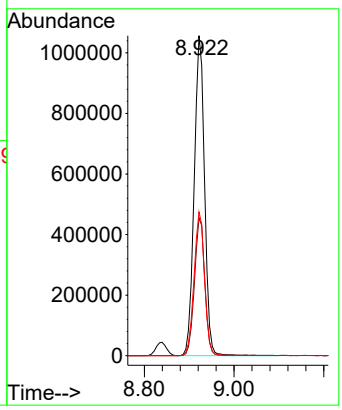


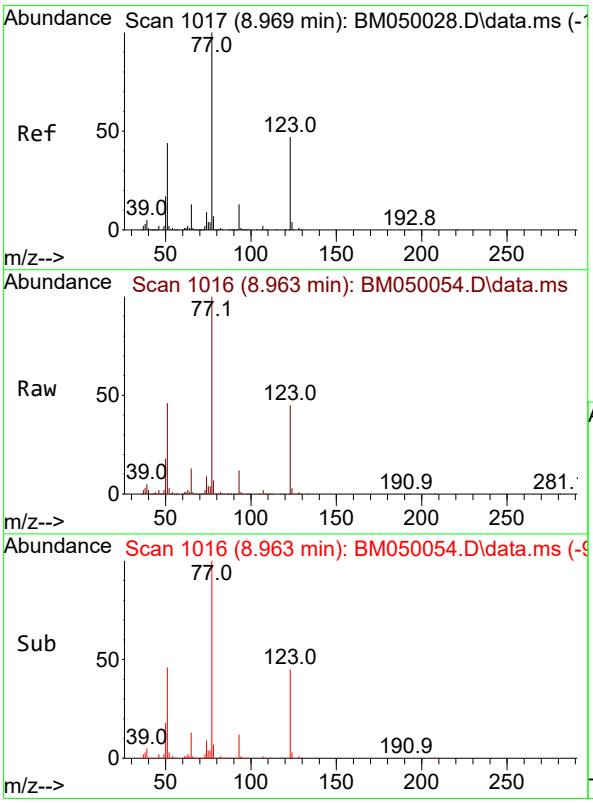
#23
Nitrobenzene-d5
Concen: 90.485 ng
RT: 8.922 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1691371

Ion	Ratio	Lower	Upper
82	100		
128	43.1	35.7	53.5
54	44.9	35.4	53.2

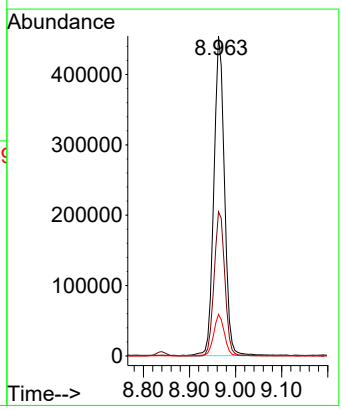


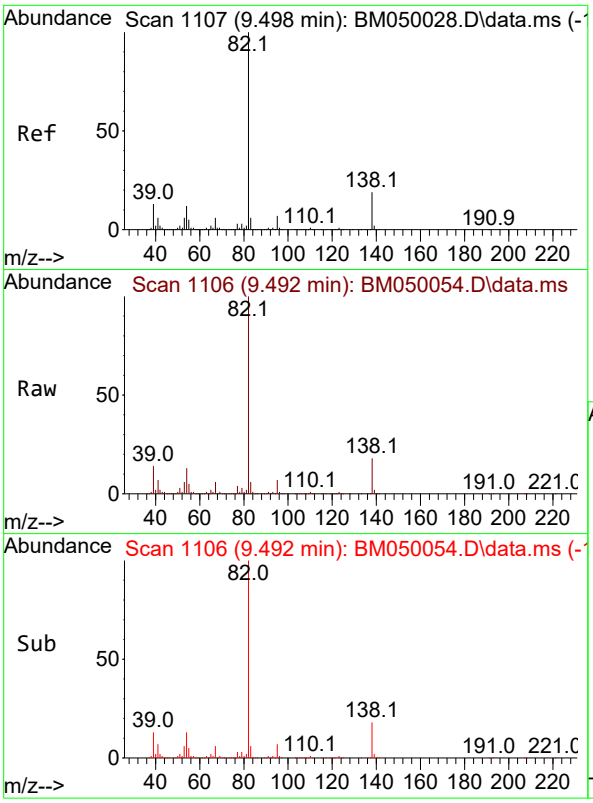


#24
Nitrobenzene
Concen: 44.754 ng
RT: 8.963 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion: 77 Resp: 723338

Ion	Ratio	Lower	Upper
77	100		
123	45.0	37.9	56.9
65	13.0	10.1	15.1



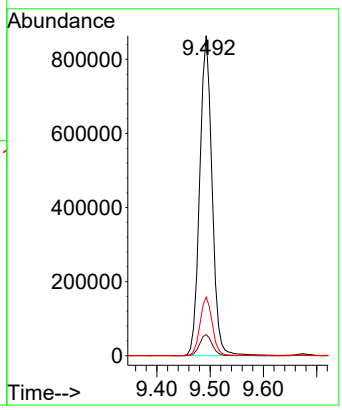


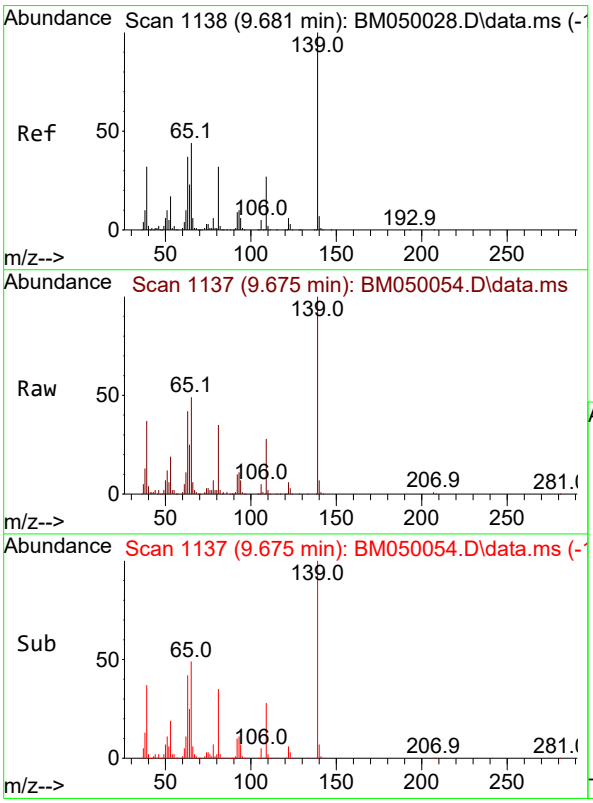
#25
Isophorone
Concen: 43.556 ng
RT: 9.492 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1387820

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.7	8.5
138	18.3	15.5	23.3

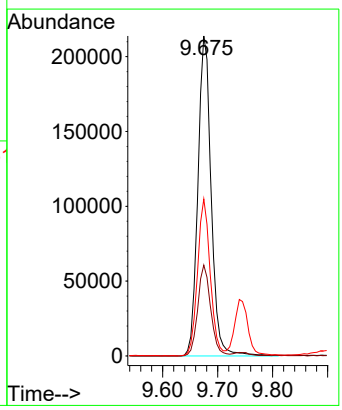


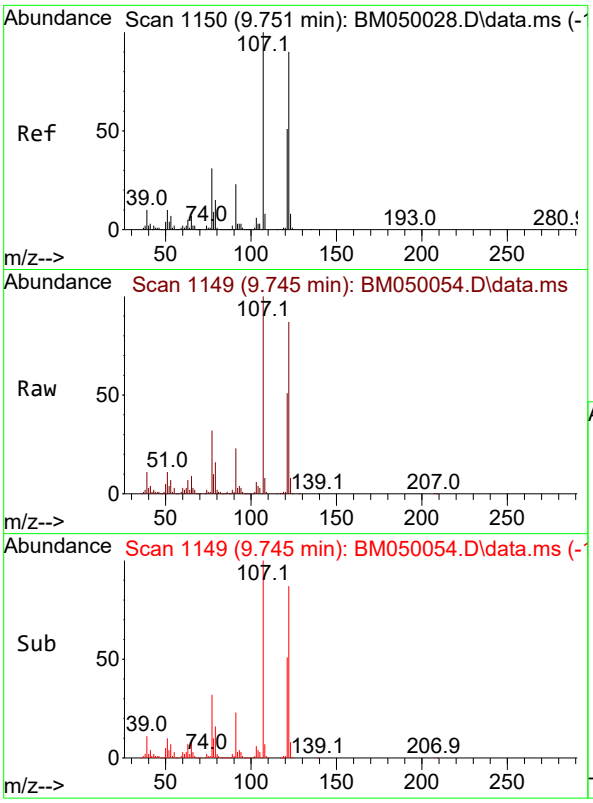


#26
2-Nitrophenol
Concen: 43.534 ng
RT: 9.675 min Scan# 1137
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion:139 Resp: 359461

Ion	Ratio	Lower	Upper
139	100		
109	28.4	21.9	32.9
65	49.1	35.4	53.2



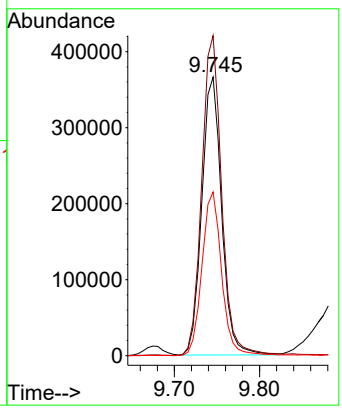


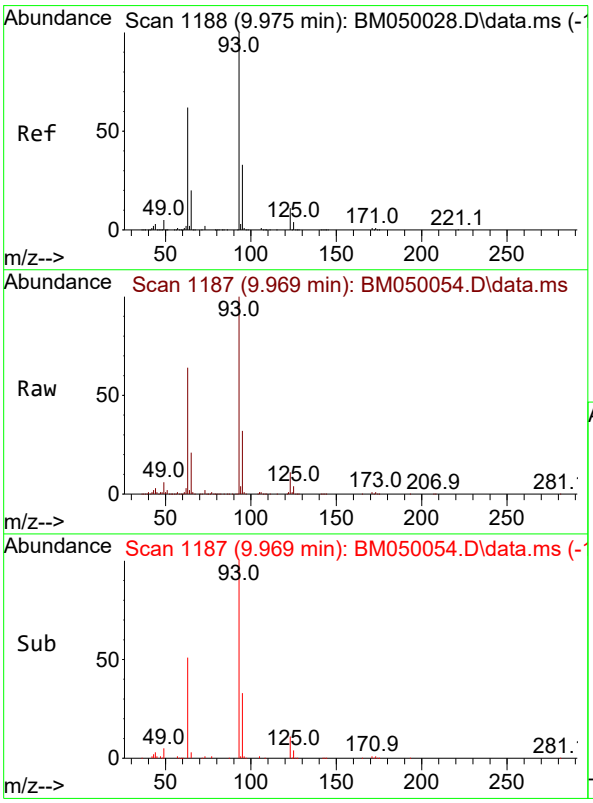
#27
2,4-Dimethylphenol
Concen: 43.202 ng
RT: 9.745 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 591564

Ion	Ratio	Lower	Upper
122	100		
107	114.9	89.0	133.6
121	58.8	45.6	68.4

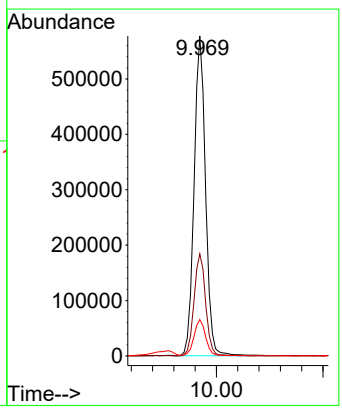


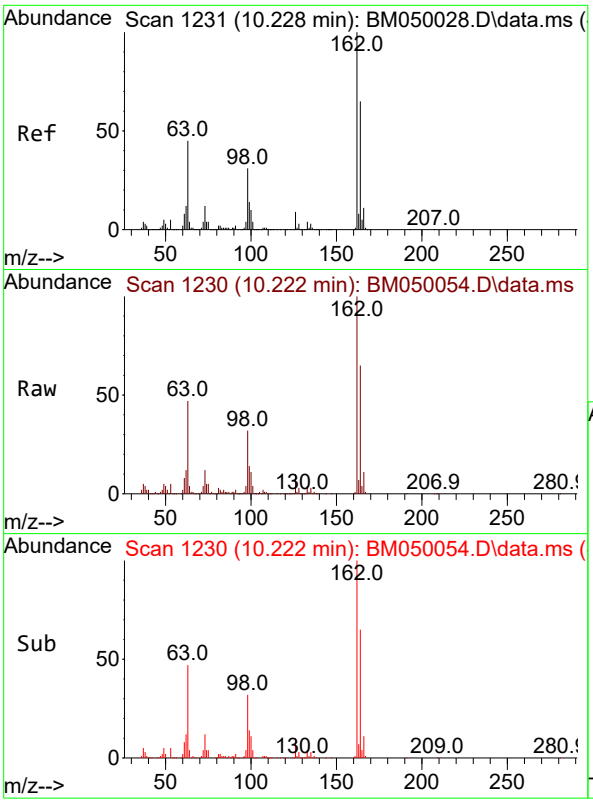


#28
bis(2-Chloroethoxy)methane
Concen: 43.783 ng
RT: 9.969 min Scan# 1187
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion: 93 Resp: 862259

Ion	Ratio	Lower	Upper
93	100		
95	31.9	26.1	39.1
123	11.4	9.5	14.3



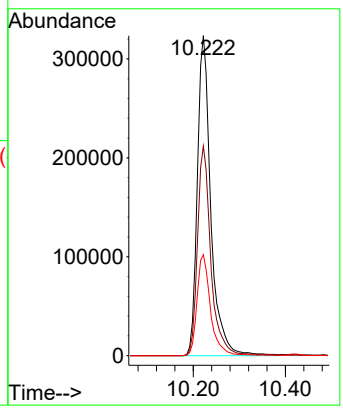


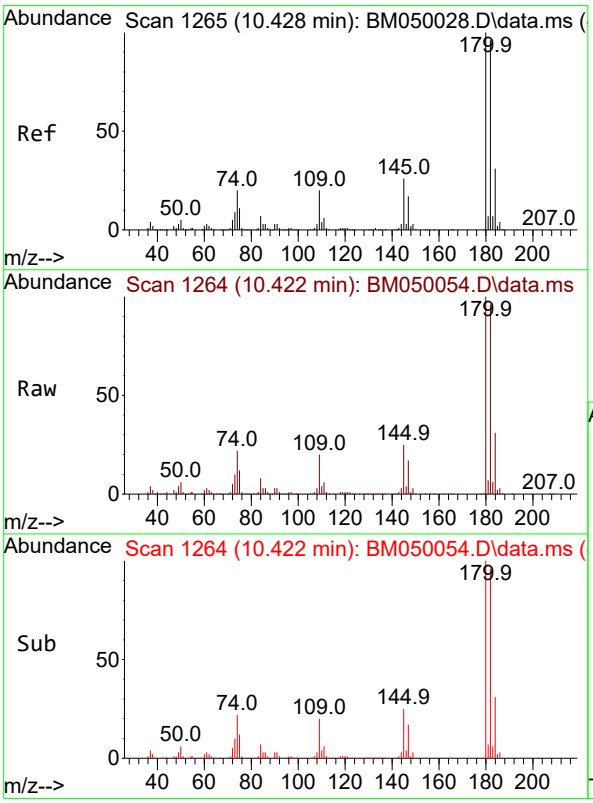
#29
2,4-Dichlorophenol
Concen: 42.973 ng
RT: 10.222 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 659221

Ion	Ratio	Lower	Upper
162	100		
164	65.5	45.4	85.4
98	31.6	11.3	51.3

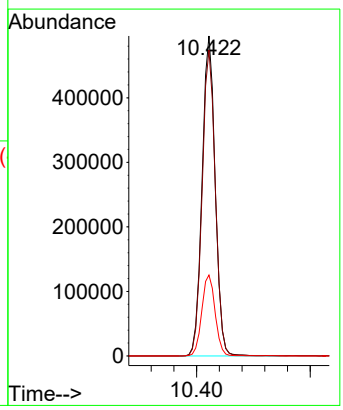


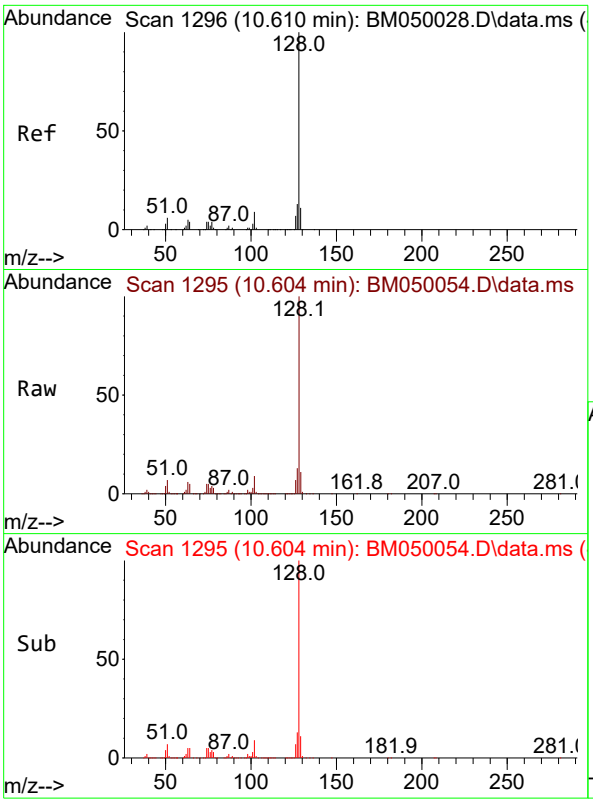


#30
1,2,4-Trichlorobenzene
Concen: 42.311 ng
RT: 10.422 min Scan# 1264
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion:180 Resp: 790792

Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.0	115.4
145	25.3	20.6	30.8



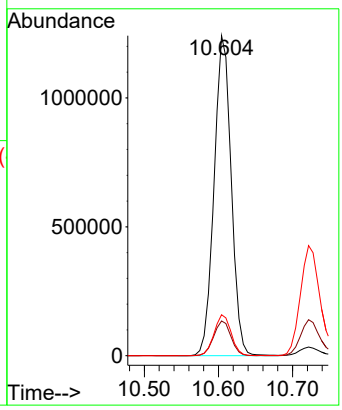


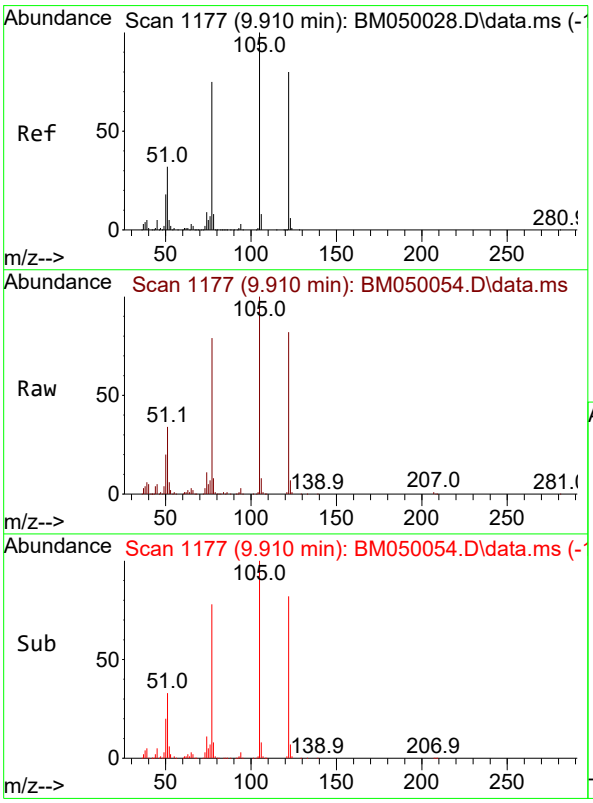
#31
Naphthalene
Concen: 42.665 ng
RT: 10.604 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 1990173

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	12.8	10.4	15.6

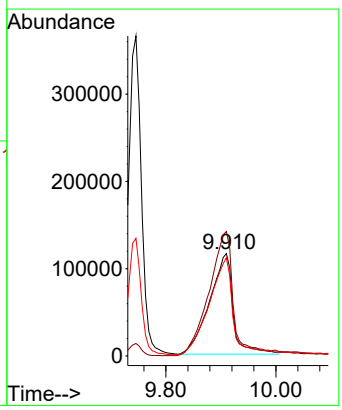


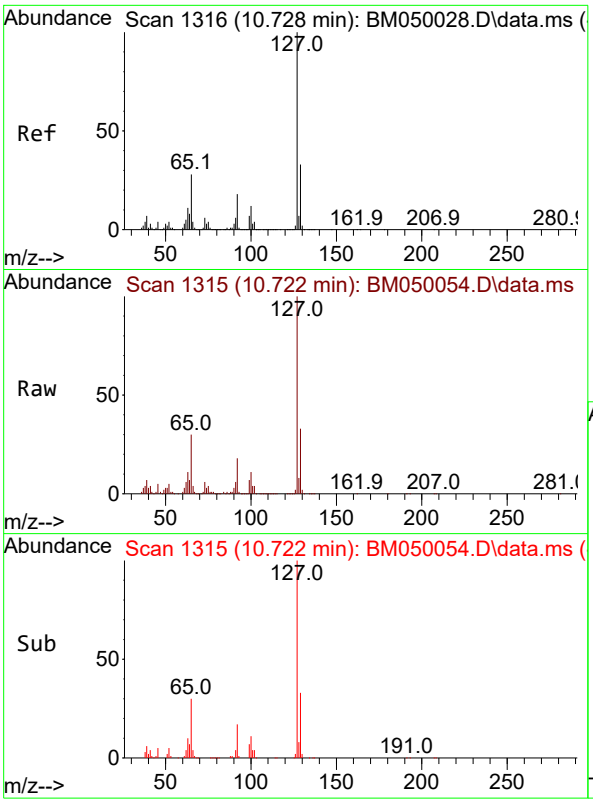


#32
Benzoic acid
Concen: 39.245 ng
RT: 9.910 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion:122 Resp: 343697

Ion	Ratio	Lower	Upper
122	100		
105	121.6	103.6	143.6
77	95.9	73.7	113.7



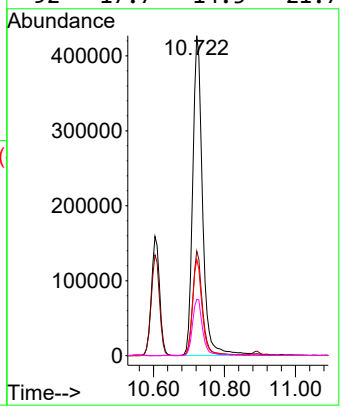


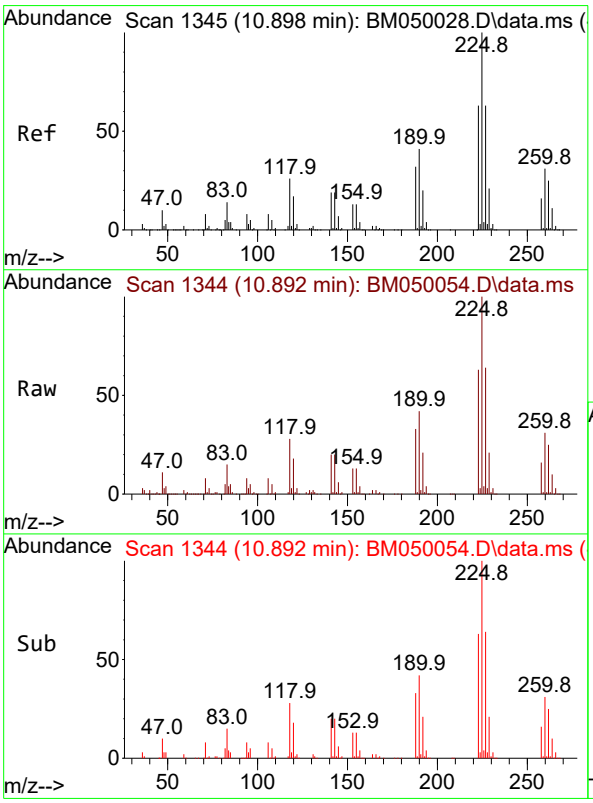
#33
4-Chloroaniline
Concen: 43.332 ng
RT: 10.722 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 828496

Ion	Ratio	Lower	Upper
127	100		
129	32.7	26.3	39.5
65	30.1	22.5	33.7
92	17.7	14.5	21.7

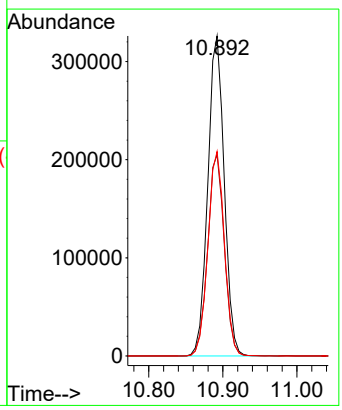


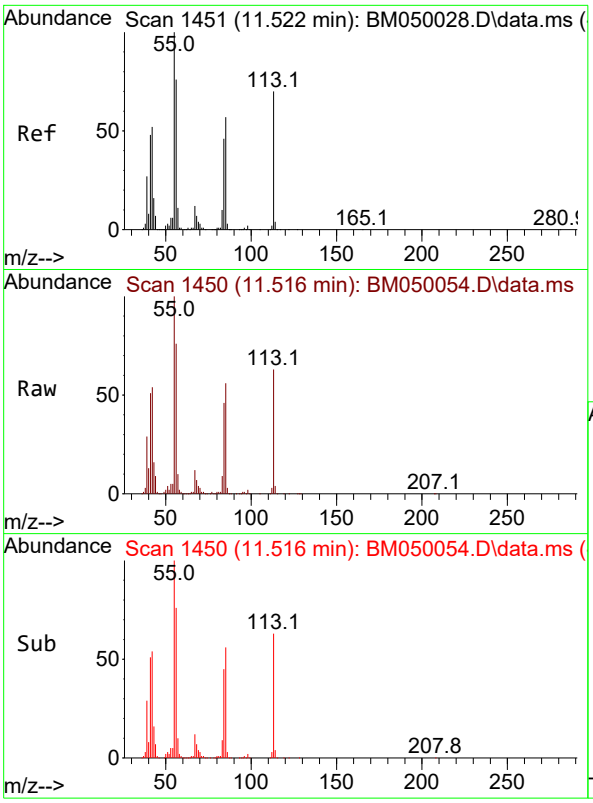


#34
Hexachlorobutadiene
Concen: 42.339 ng
RT: 10.892 min Scan# 1344
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion:225 Resp: 502308

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.2	75.2
227	63.9	50.6	76.0



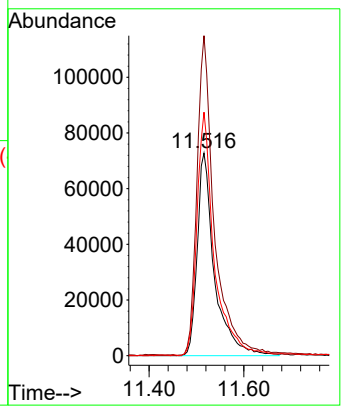


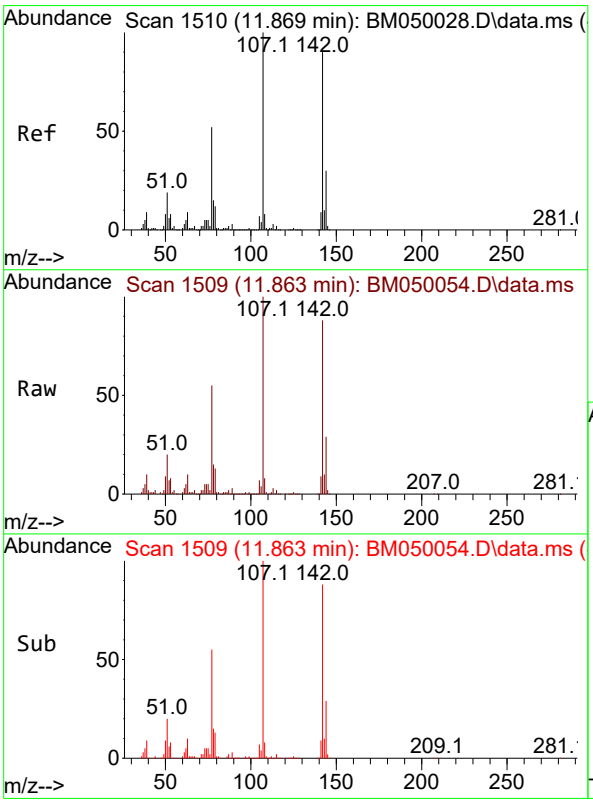
#35
Caprolactam
Concen: 41.126 ng
RT: 11.516 min Scan# 14
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 183948

Ion	Ratio	Lower	Upper
113	100		
55	157.9	122.9	162.9
56	120.2	88.1	128.1

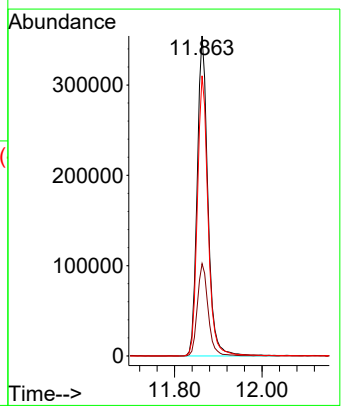


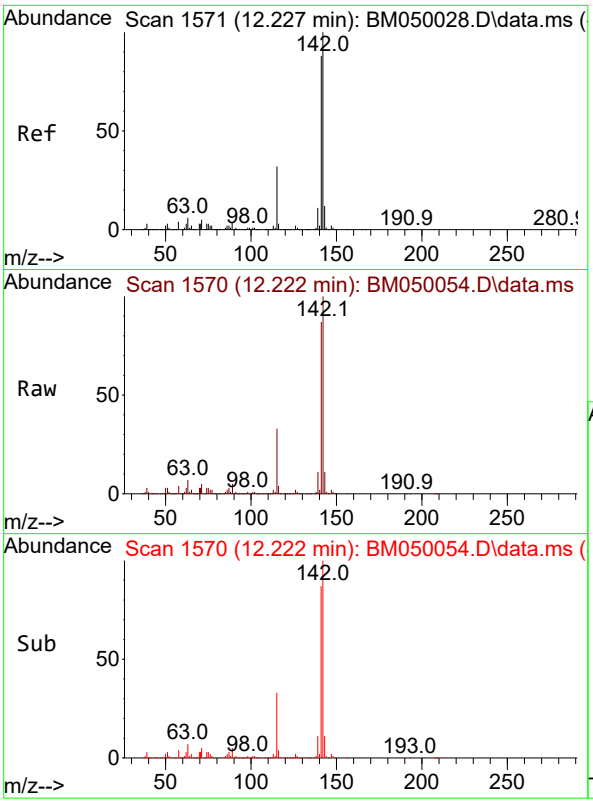


#36
4-Chloro-3-methylphenol
Concen: 42.712 ng
RT: 11.863 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion:107 Resp: 605344

Ion	Ratio	Lower	Upper
107	100		
144	28.8	23.8	35.6
142	87.5	71.9	107.9



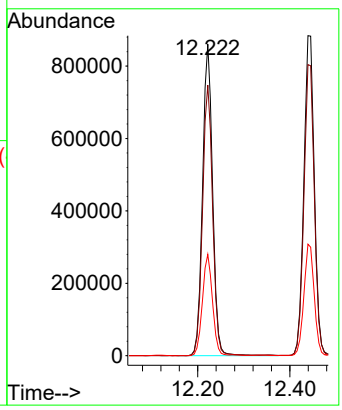


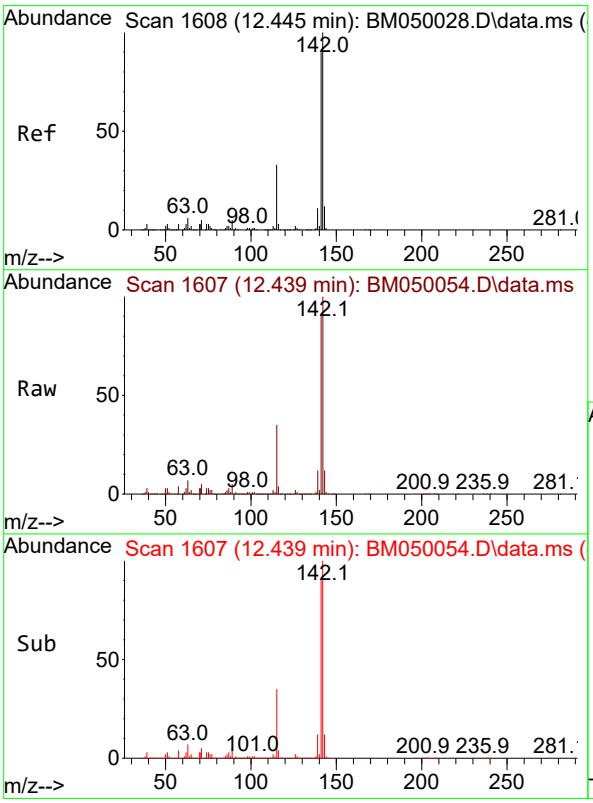
#37
2-Methylnaphthalene
Concen: 41.991 ng
RT: 12.222 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 1313225

Ion	Ratio	Lower	Upper
142	100		
141	86.8	70.4	105.6
115	32.5	25.4	38.2

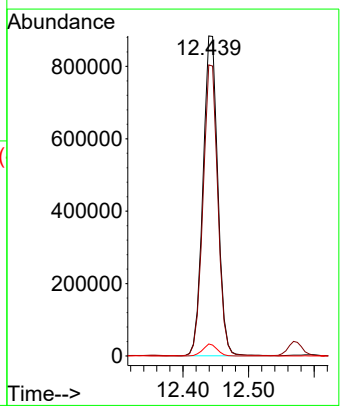


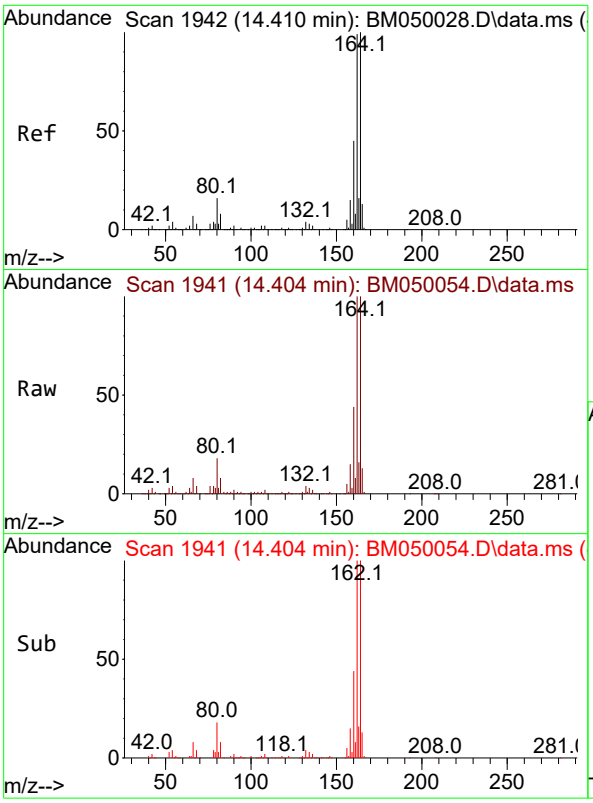


#38
1-Methylnaphthalene
Concen: 41.983 ng
RT: 12.439 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion:142 Resp: 1389492

Ion	Ratio	Lower	Upper
142	100		
141	90.9	72.1	108.1
116	3.8	2.7	4.1



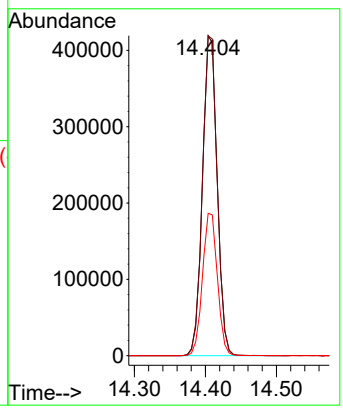


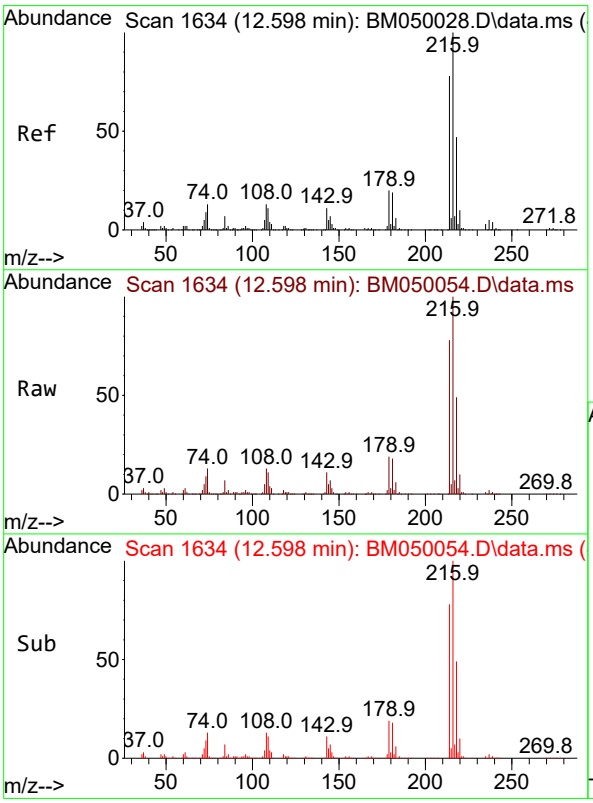
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 604340

Ion	Ratio	Lower	Upper
164	100		
162	100.0	79.4	119.0
160	44.5	36.2	54.4

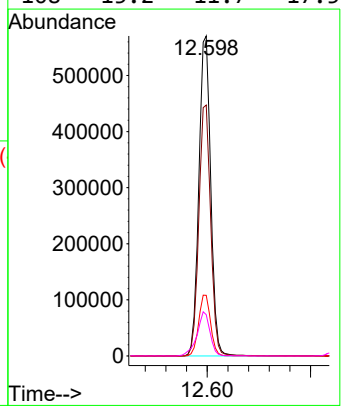


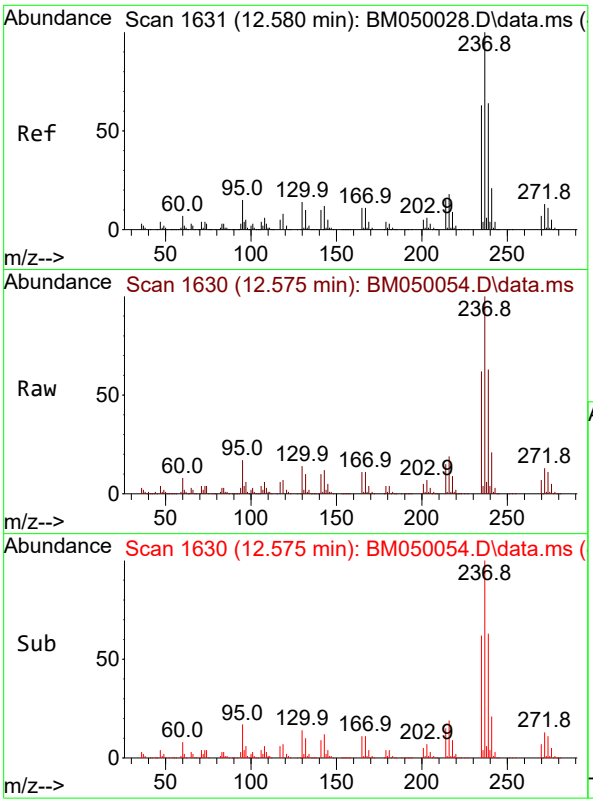


#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.323 ng
RT: 12.598 min Scan# 1634
Delta R.T. 0.000 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion:216 Resp: 906338

Ion	Ratio	Lower	Upper
216	100		
214	78.6	62.3	93.5
179	19.2	15.4	23.0
108	15.2	11.7	17.5



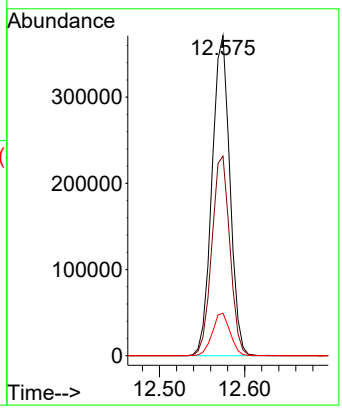


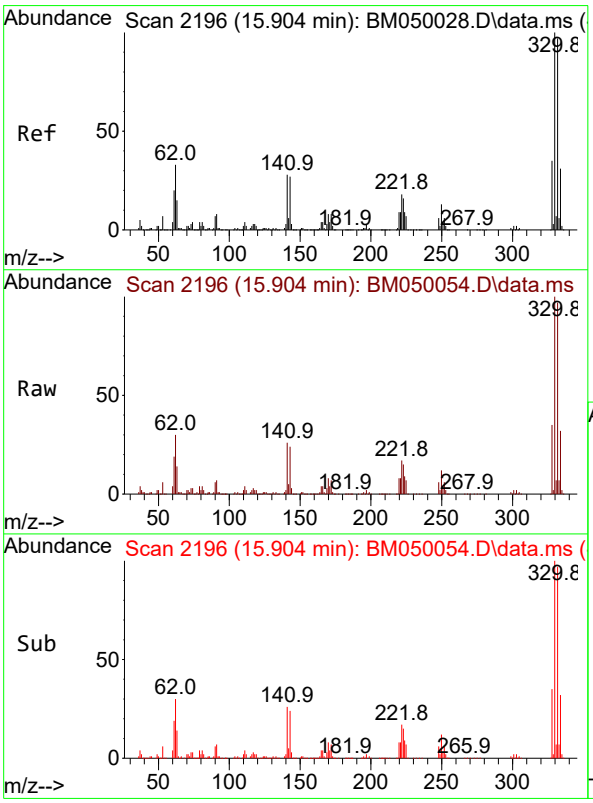
#41
Hexachlorocyclopentadiene
Concen: 42.333 ng
RT: 12.575 min Scan# 1
Delta R.T. -0.005 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 541225

Ion	Ratio	Lower	Upper
237	100		
235	62.3	42.9	82.9
272	13.3	0.0	32.9

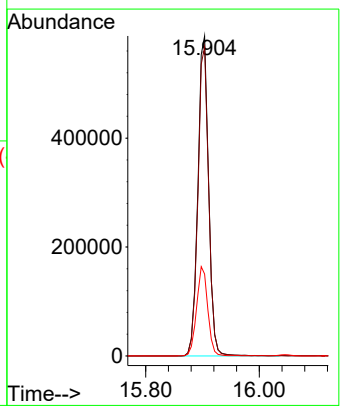


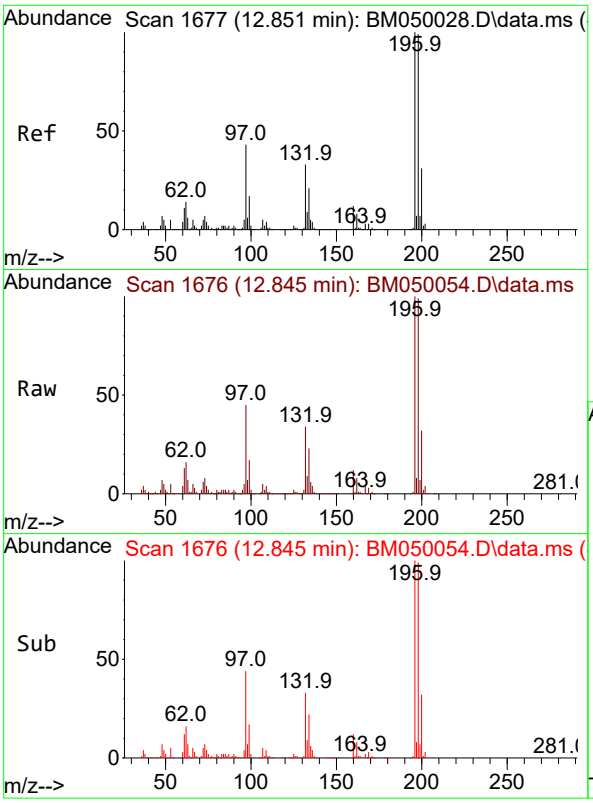


#42
2,4,6-Tribromophenol
Concen: 86.547 ng
RT: 15.904 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion:330 Resp: 773379

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.3	115.9
141	29.2	22.5	33.7



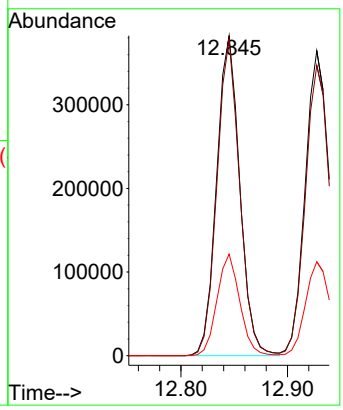


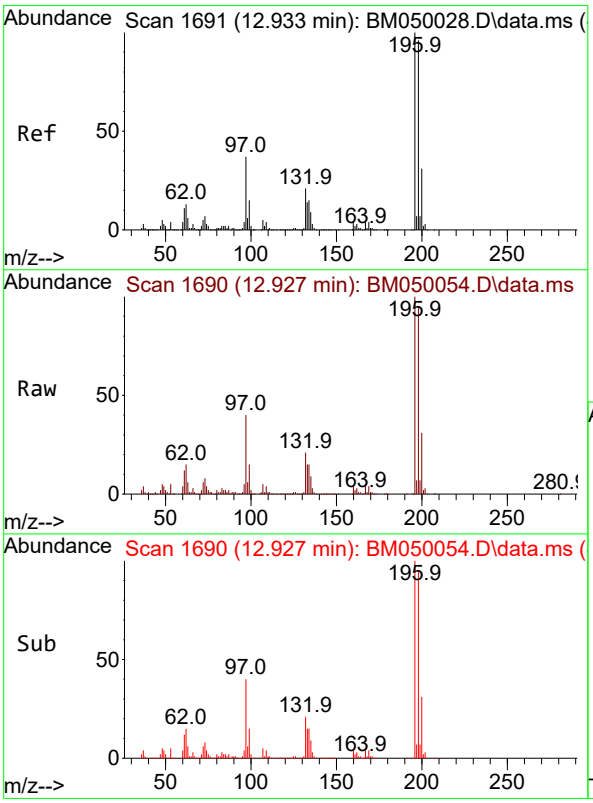
#43
2,4,6-Trichlorophenol
Concen: 43.402 ng
RT: 12.845 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 575908

Ion	Ratio	Lower	Upper
196	100		
198	98.9	79.0	118.6
200	31.8	25.1	37.7

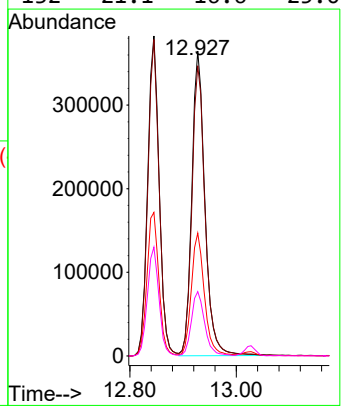


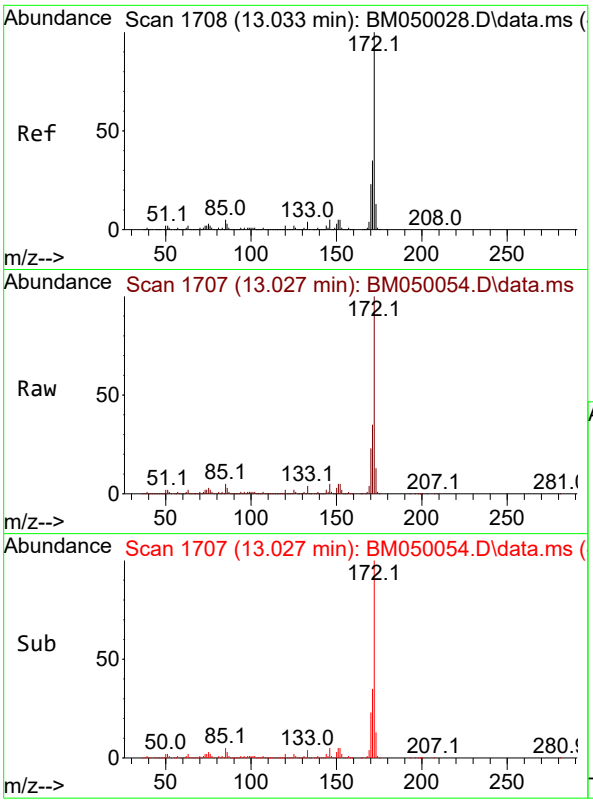


#44
2,4,5-Trichlorophenol
Concen: 43.543 ng
RT: 12.927 min Scan# 1690
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion:196 Resp: 623048

Ion	Ratio	Lower	Upper
196	100		
198	95.2	76.7	115.1
97	40.3	30.1	45.1
132	21.1	16.6	25.0



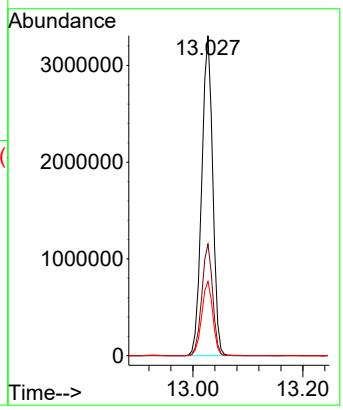


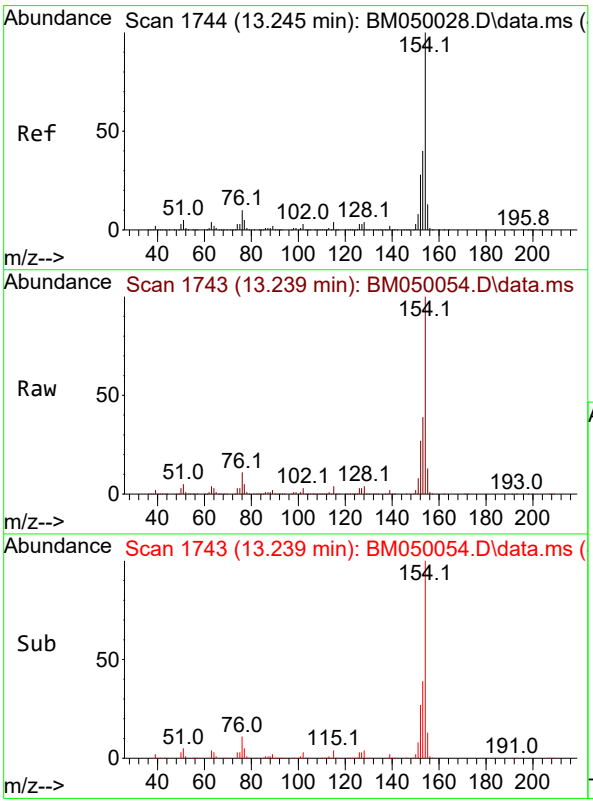
#45
2-Fluorobiphenyl
Concen: 89.966 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 4596002

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.8	41.6
170	23.2	18.6	28.0

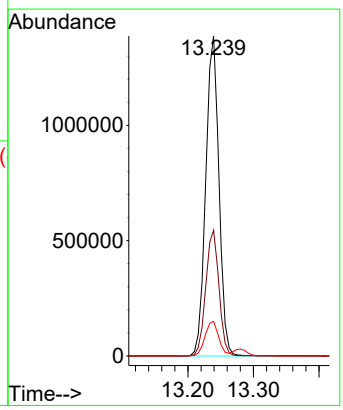


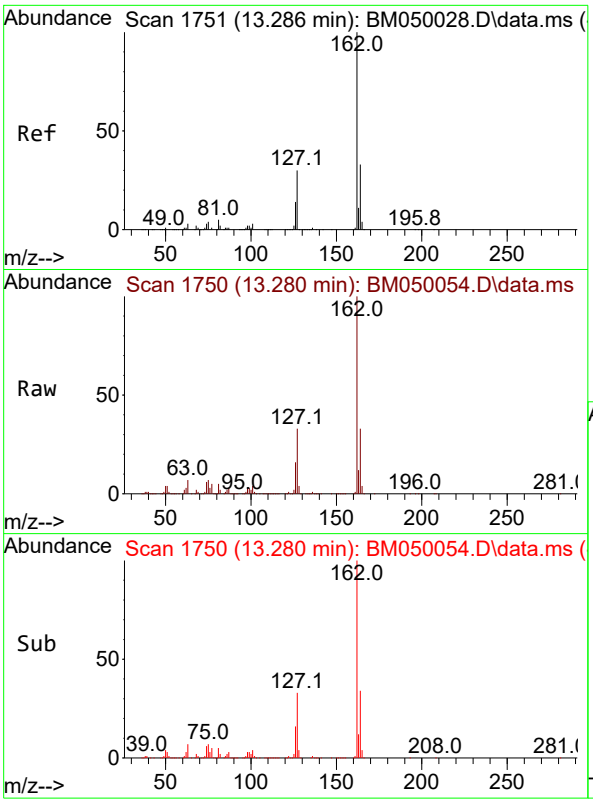


#46
1,1'-Biphenyl
Concen: 43.267 ng
RT: 13.239 min Scan# 1743
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion:154 Resp: 1943705

Ion	Ratio	Lower	Upper
154	100		
153	39.3	20.0	60.0
76	10.8	0.0	30.3



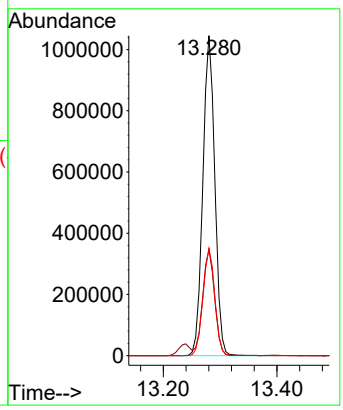


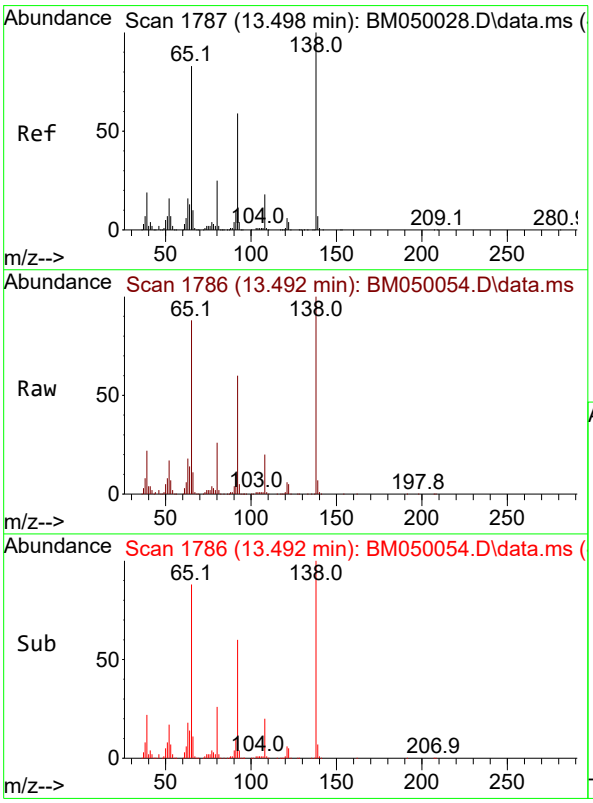
#47
2-Chloronaphthalene
Concen: 42.903 ng
RT: 13.280 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 1526471

Ion	Ratio	Lower	Upper
162	100		
127	33.2	25.9	38.9
164	33.5	26.6	40.0

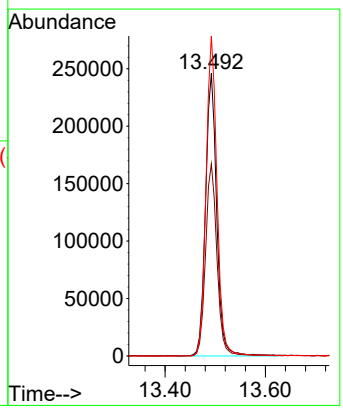


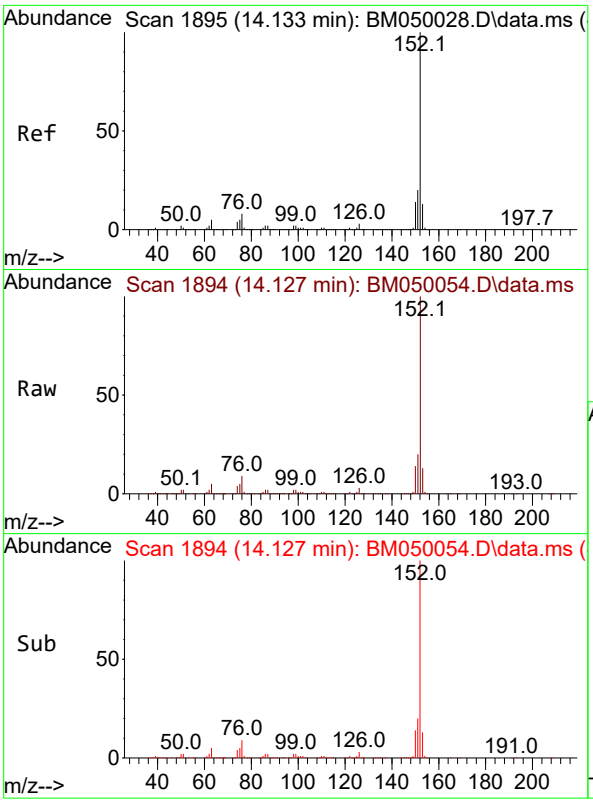


#48
2-Nitroaniline
Concen: 45.835 ng
RT: 13.492 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion: 65 Resp: 382749

Ion	Ratio	Lower	Upper
65	100		
92	68.0	57.1	85.7
138	113.3	97.0	145.4



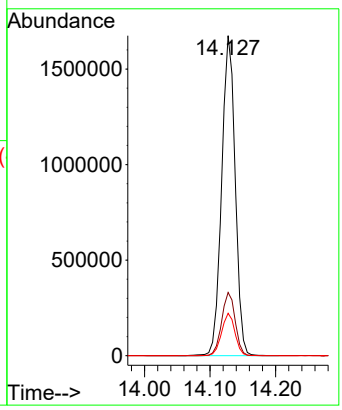


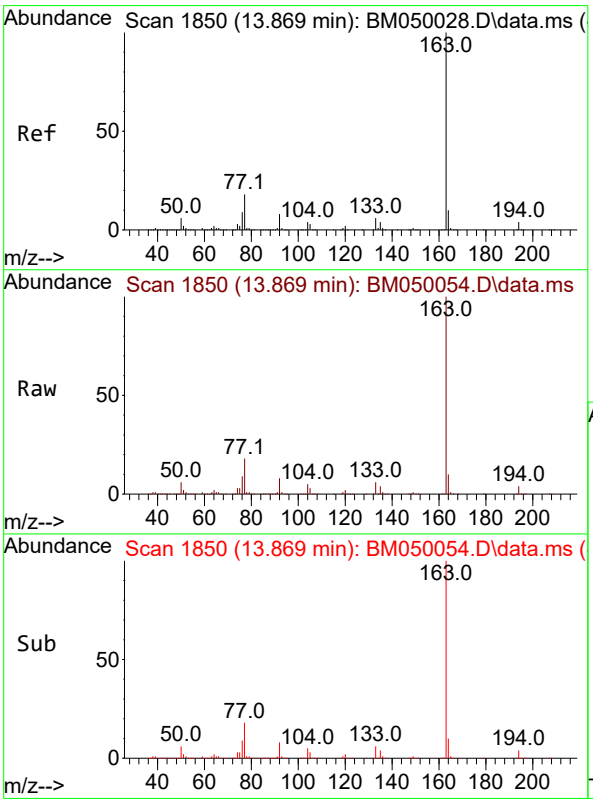
#49
Acenaphthylene
Concen: 42.631 ng
RT: 14.127 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 2391528

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.8
153	13.3	10.6	15.8

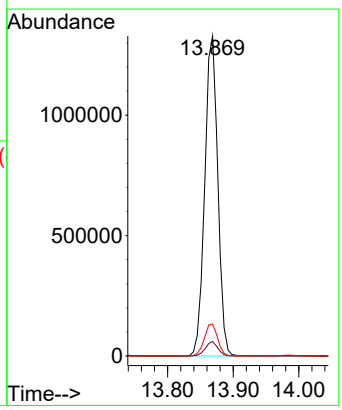


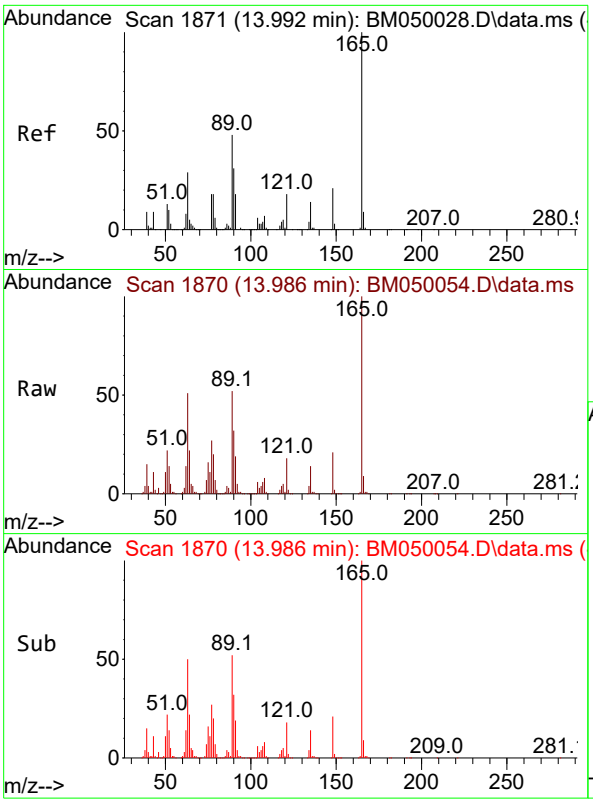


#50
Dimethylphthalate
Concen: 41.688 ng
RT: 13.869 min Scan# 1850
Delta R.T. 0.000 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion:163 Resp: 1841172

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.4	5.2
164	10.0	8.2	12.2



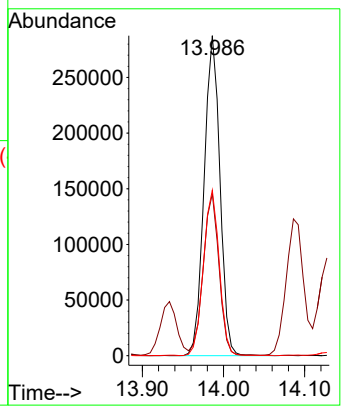


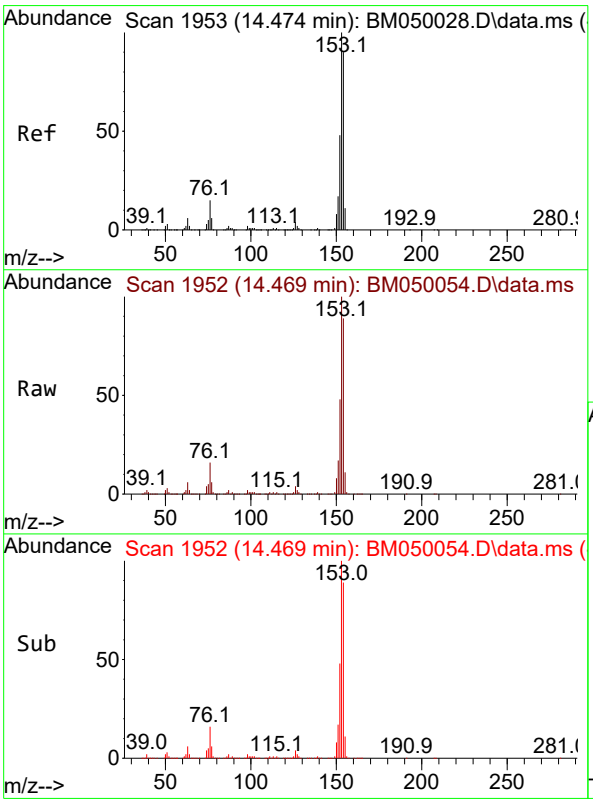
#51
2,6-Dinitrotoluene
Concen: 42.434 ng
RT: 13.986 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 388032

Ion	Ratio	Lower	Upper
165	100		
63	50.6	35.1	52.7
89	51.7	38.4	57.6

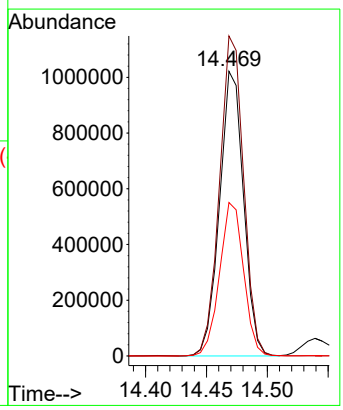


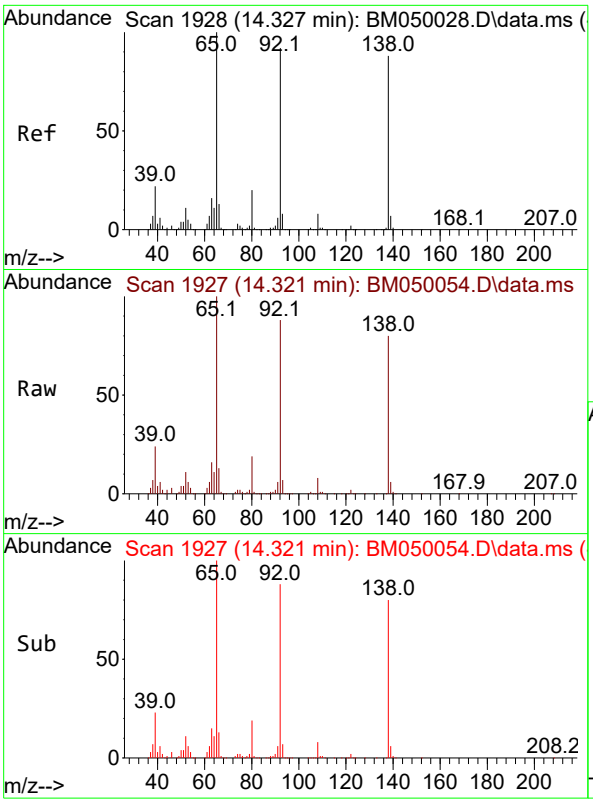


#52
Acenaphthene
Concen: 43.095 ng
RT: 14.469 min Scan# 1952
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion:154 Resp: 1399364

Ion	Ratio	Lower	Upper
154	100		
153	112.4	89.0	133.4
152	53.9	43.0	64.6



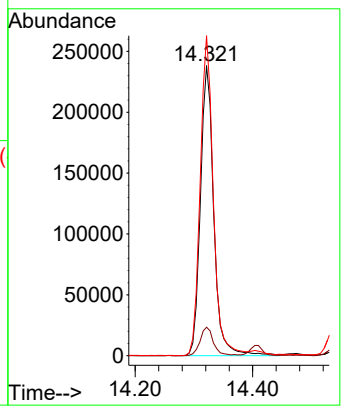


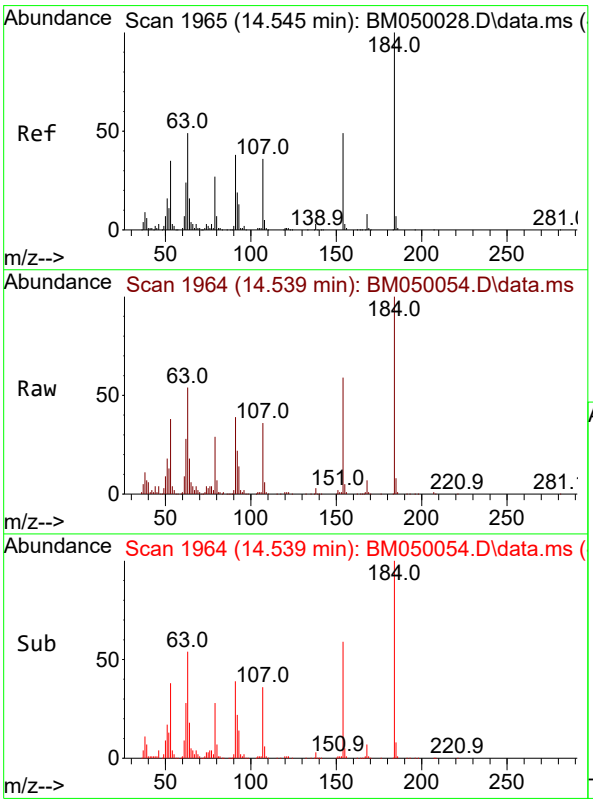
#53
3-Nitroaniline
Concen: 43.194 ng
RT: 14.321 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 377093

Ion	Ratio	Lower	Upper
138	100		
108	9.8	7.4	11.2
92	110.3	84.0	126.0

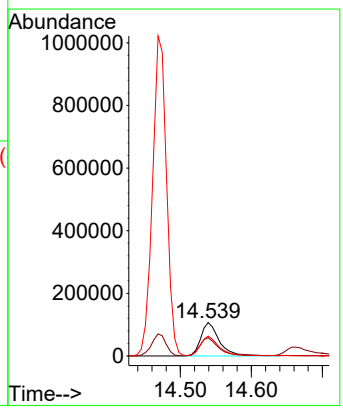


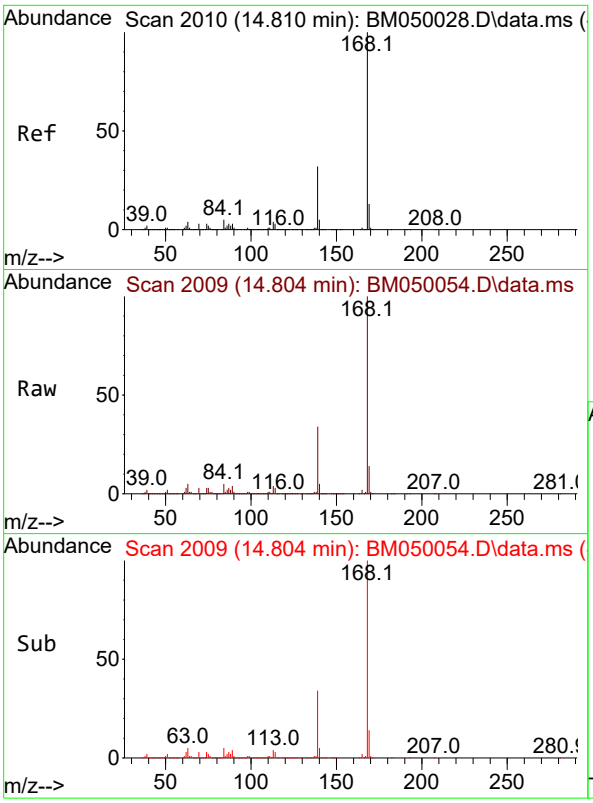


#54
2,4-Dinitrophenol
Concen: 36.480 ng
RT: 14.539 min Scan# 1964
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion:184 Resp: 193787

Ion	Ratio	Lower	Upper
184	100		
63	54.4	39.8	59.6
154	59.1	46.1	69.1



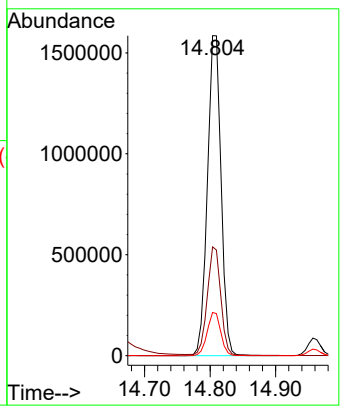


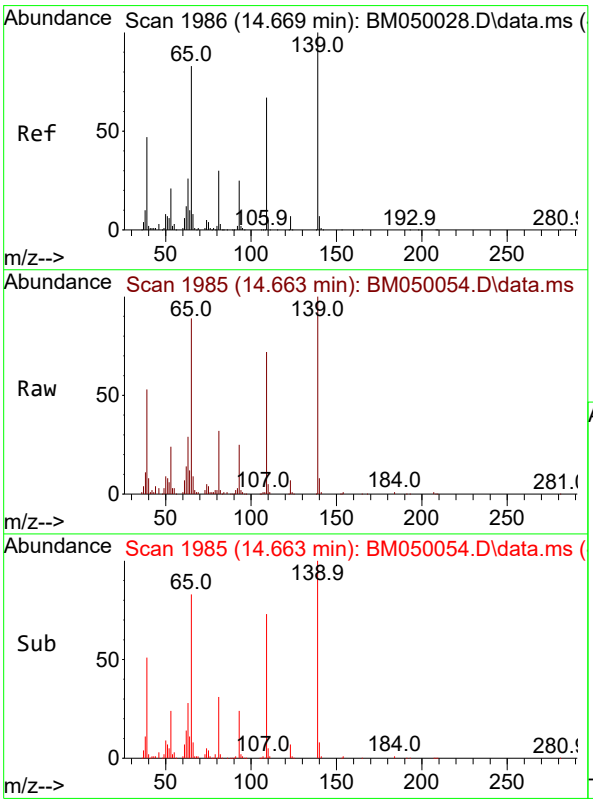
#55
Dibenzofuran
Concen: 42.455 ng
RT: 14.804 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 2293685

Ion	Ratio	Lower	Upper
168	100		
139	34.0	26.1	39.1
169	13.5	10.8	16.2

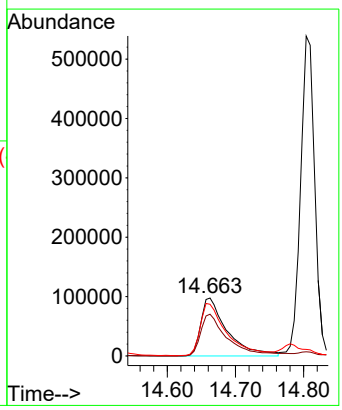


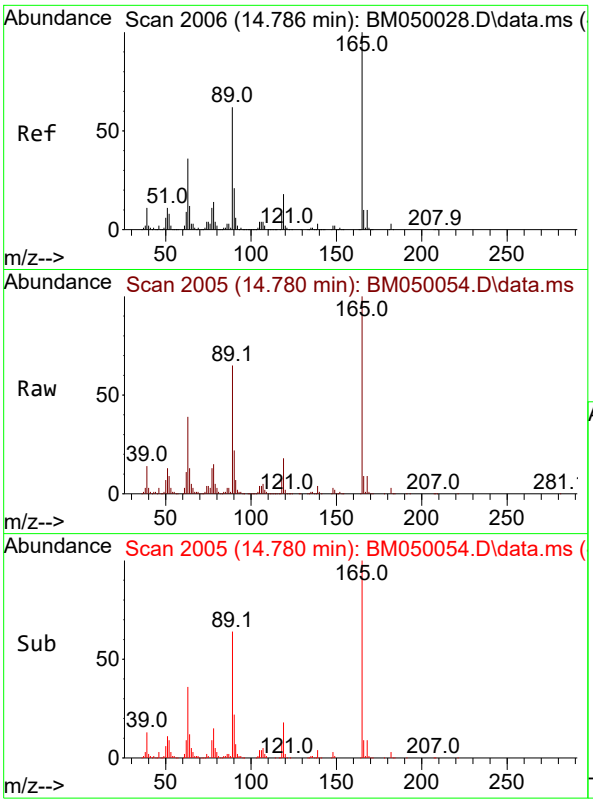


#56
4-Nitrophenol
Concen: 39.344 ng
RT: 14.663 min Scan# 1985
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion:139 Resp: 262090

Ion	Ratio	Lower	Upper
139	100		
109	72.3	47.0	87.0
65	89.4	64.3	104.3



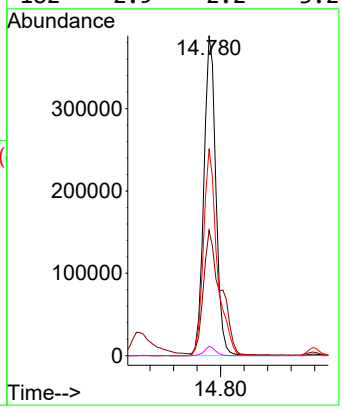


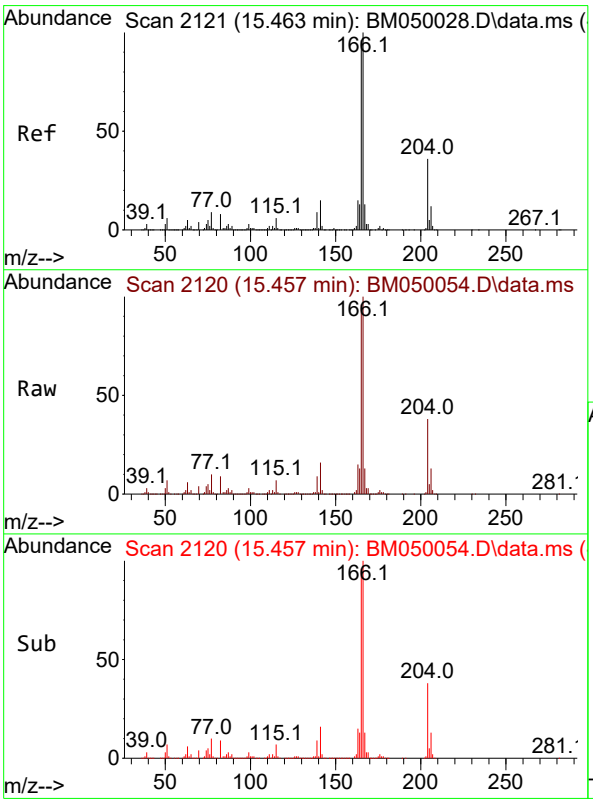
#57
2,4-Dinitrotoluene
Concen: 43.553 ng
RT: 14.780 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 550318

Ion	Ratio	Lower	Upper
165	100		
63	39.2	29.0	43.6
89	64.7	49.4	74.2
182	2.9	2.2	3.2

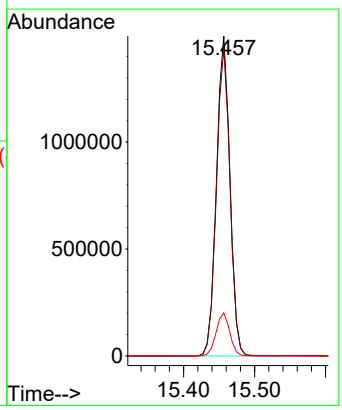


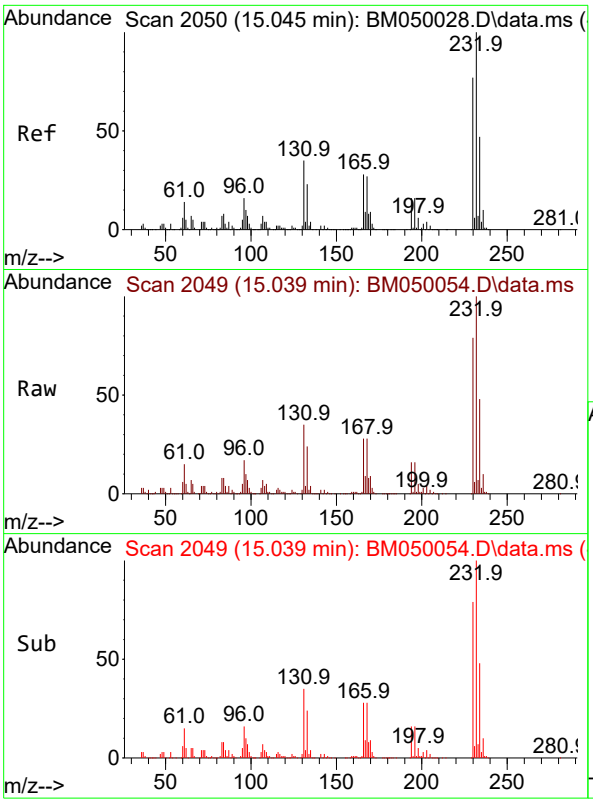


#58
Fluorene
Concen: 44.454 ng
RT: 15.457 min Scan# 2120
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion:166 Resp: 1965792

Ion	Ratio	Lower	Upper
166	100		
165	96.3	76.6	115.0
167	13.5	10.6	16.0



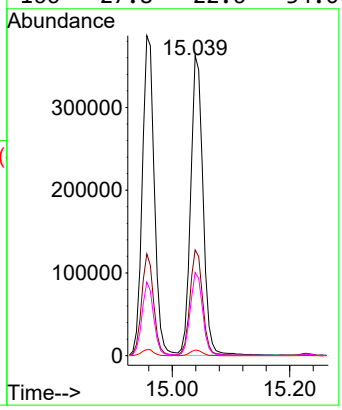


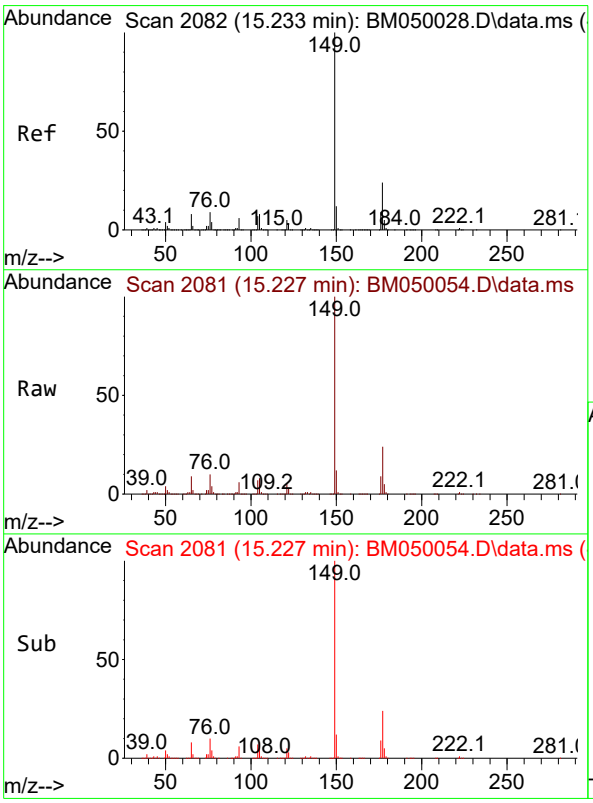
#59
2,3,4,6-Tetrachlorophenol
Concen: 42.630 ng
RT: 15.039 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 528006

Ion	Ratio	Lower	Upper
232	100		
131	35.6	28.2	42.4
130	1.9	1.5	2.3
166	27.8	22.6	34.0

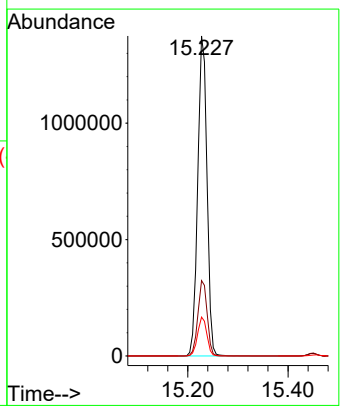


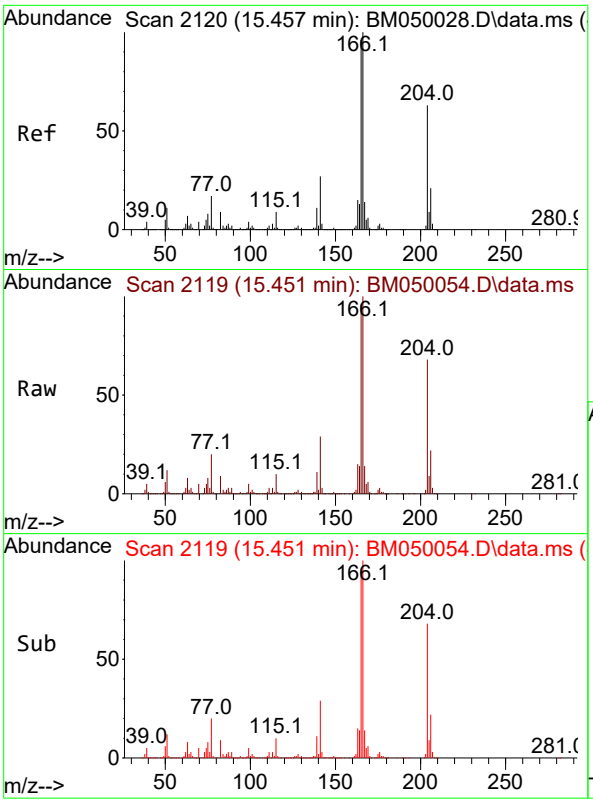


#60
Diethylphthalate
Concen: 42.159 ng
RT: 15.227 min Scan# 2081
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion:149 Resp: 1754483

Ion	Ratio	Lower	Upper
149	100		
177	23.5	19.1	28.7
150	12.2	9.6	14.4



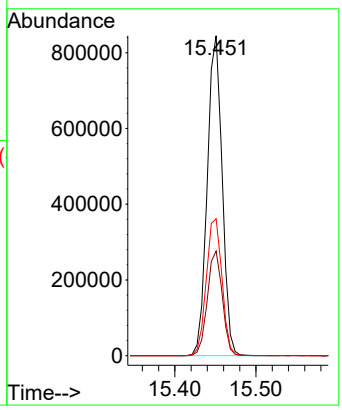


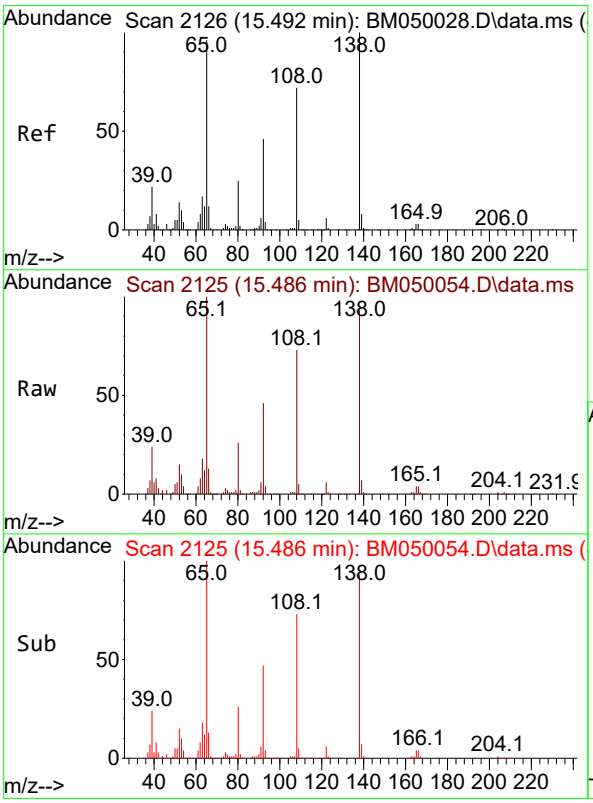
#61
4-Chlorophenyl-phenylether
Concen: 44.242 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 1074604

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.3	39.5
141	42.8	34.0	51.0

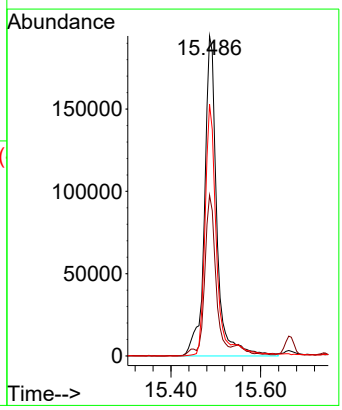


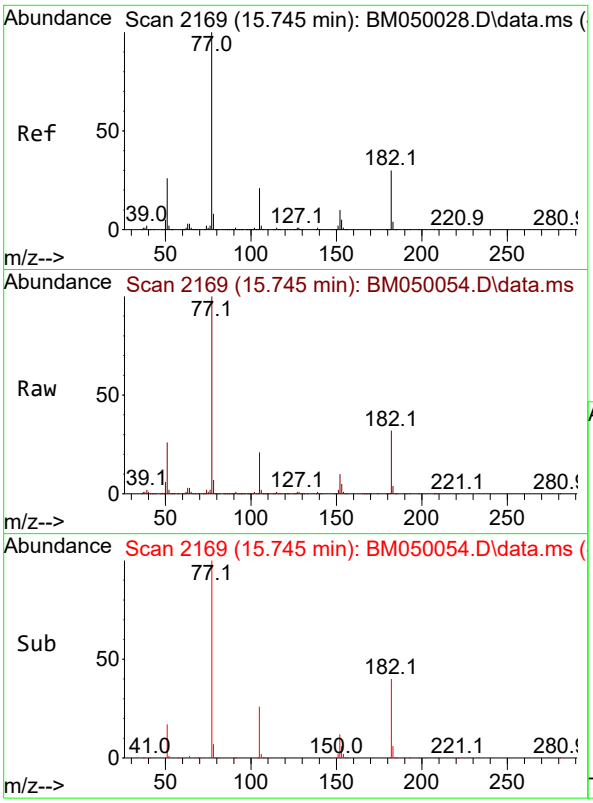


#62
4-Nitroaniline
Concen: 44.151 ng
RT: 15.486 min Scan# 2125
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion:138 Resp: 371888

Ion	Ratio	Lower	Upper
138	100		
92	50.3	25.9	65.9
108	78.7	52.4	92.4



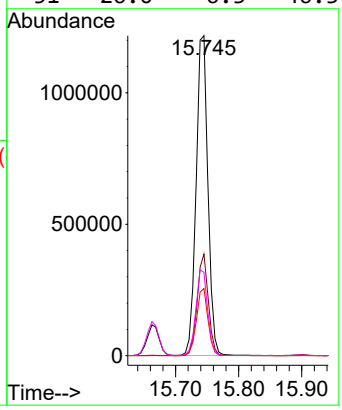


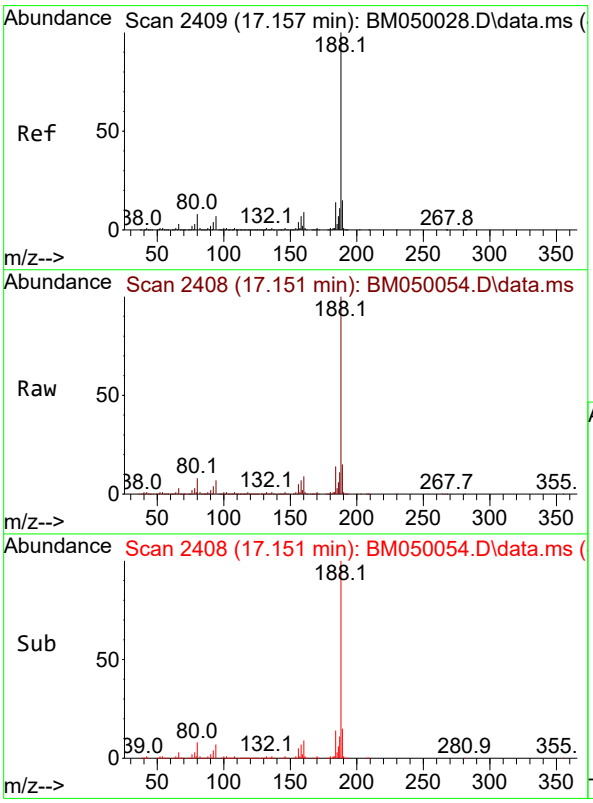
#63
Azobenzene
Concen: 45.162 ng
RT: 15.745 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 1575149

Ion	Ratio	Lower	Upper
77	100		
182	31.8	10.5	50.5
105	21.0	1.1	41.1
51	26.0	6.3	46.3

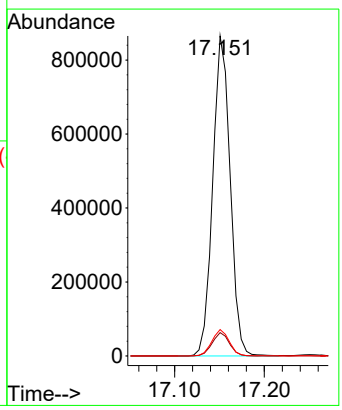


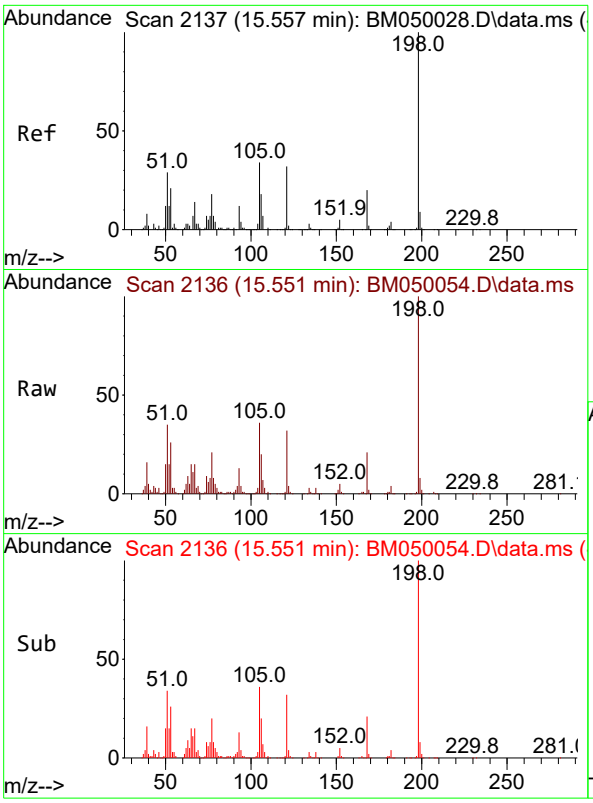


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.151 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion:188 Resp: 1166692

Ion	Ratio	Lower	Upper
188	100		
94	7.3	5.7	8.5
80	8.3	6.2	9.4



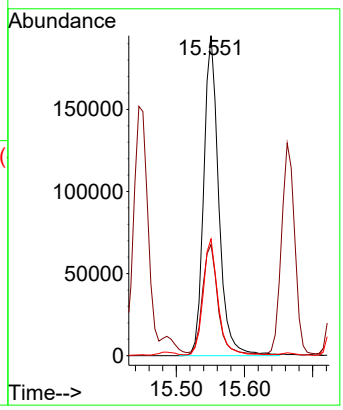


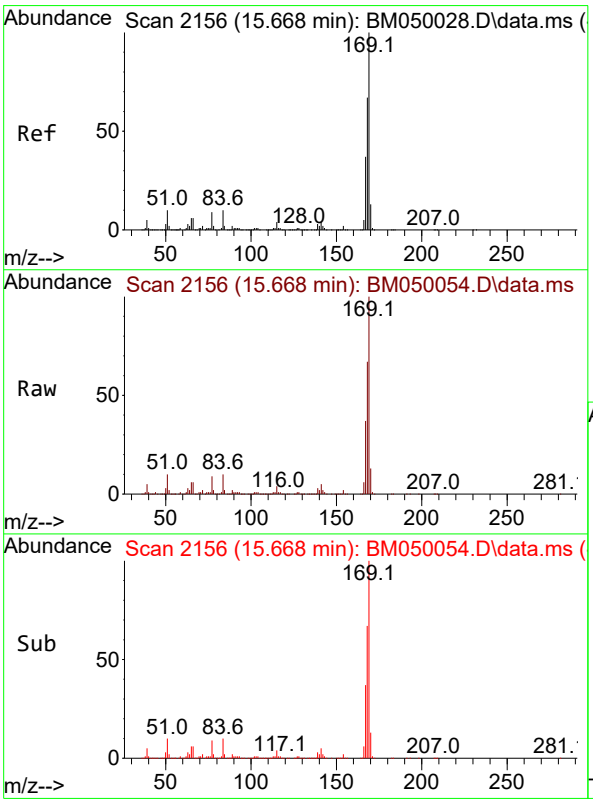
#65
4,6-Dinitro-2-methylphenol
Concen: 40.910 ng
RT: 15.551 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 298765

Ion	Ratio	Lower	Upper
198	100		
51	34.8	10.4	50.4
105	36.5	14.6	54.6

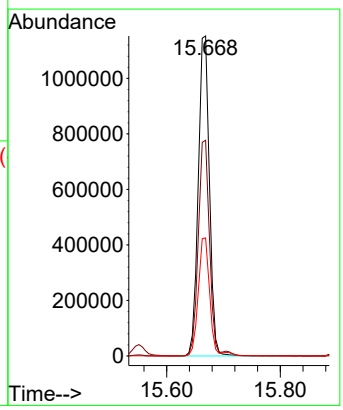


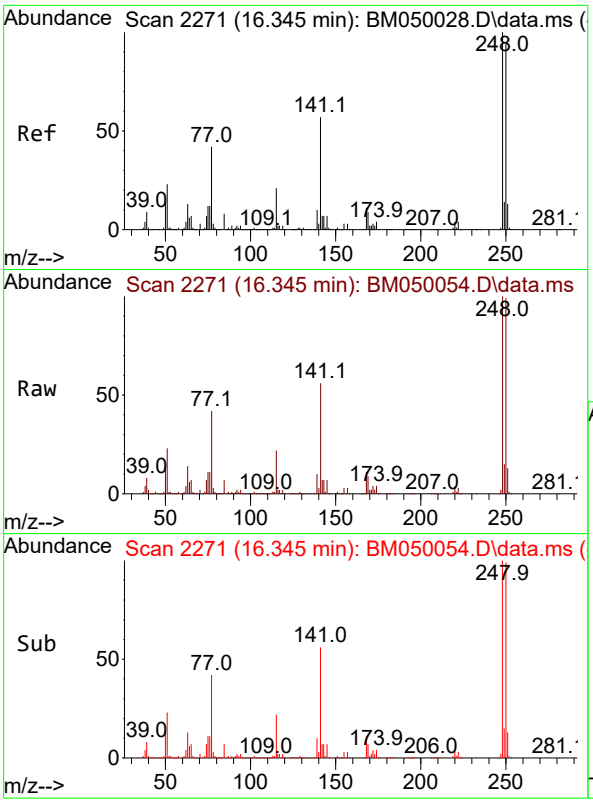


#66
n-Nitrosodiphenylamine
Concen: 44.096 ng
RT: 15.668 min Scan# 2156
Delta R.T. 0.000 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion:169 Resp: 1579781

Ion	Ratio	Lower	Upper
169	100		
168	67.4	53.4	80.2
167	36.9	29.4	44.0



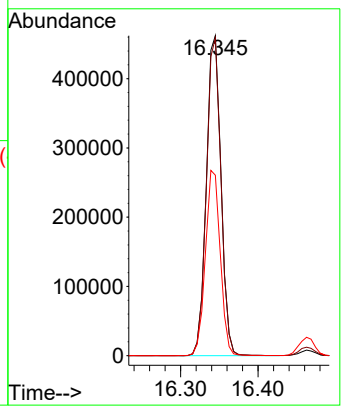


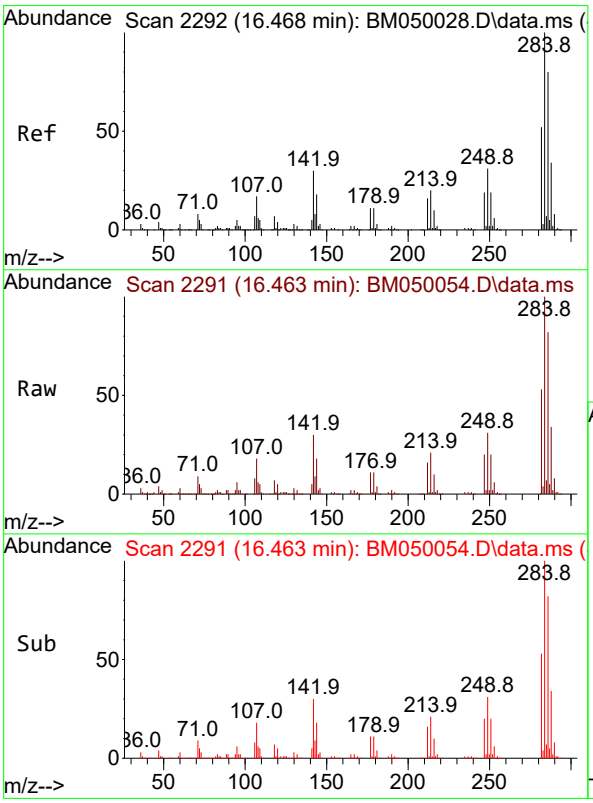
#67
4-Bromophenyl-phenylether
Concen: 42.948 ng
RT: 16.345 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 605929

Ion	Ratio	Lower	Upper
248	100		
250	99.3	76.2	114.2
141	56.4	45.9	68.9

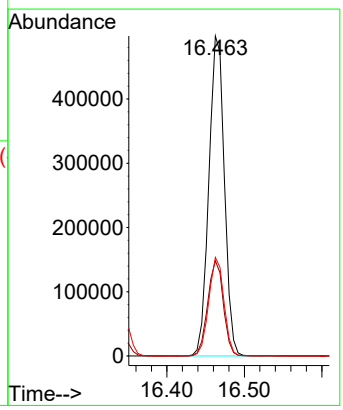


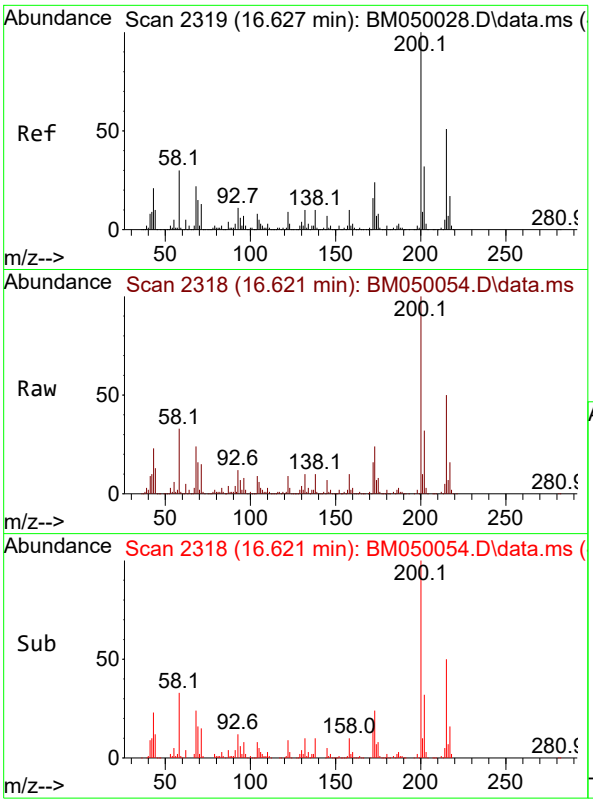


#68
Hexachlorobenzene
Concen: 42.547 ng
RT: 16.463 min Scan# 2291
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion:284 Resp: 691946

Ion	Ratio	Lower	Upper
284	100		
142	29.7	23.9	35.9
249	30.8	24.5	36.7



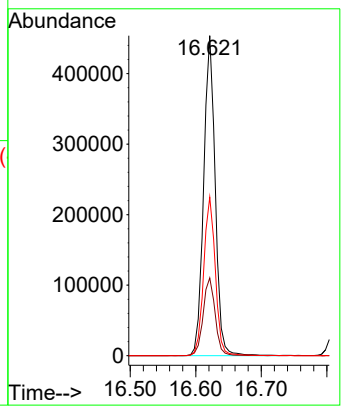


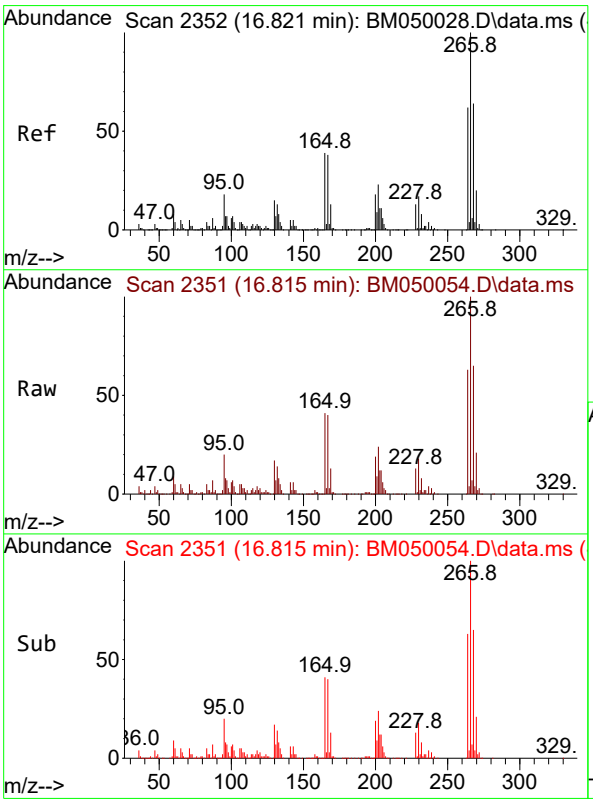
#69
Atrazine
Concen: 43.143 ng
RT: 16.621 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 557532

Ion	Ratio	Lower	Upper
200	100		
173	24.3	4.3	44.3
215	49.6	30.6	70.6

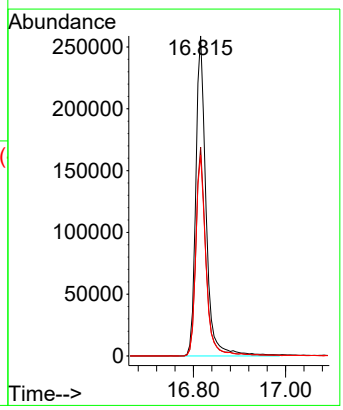


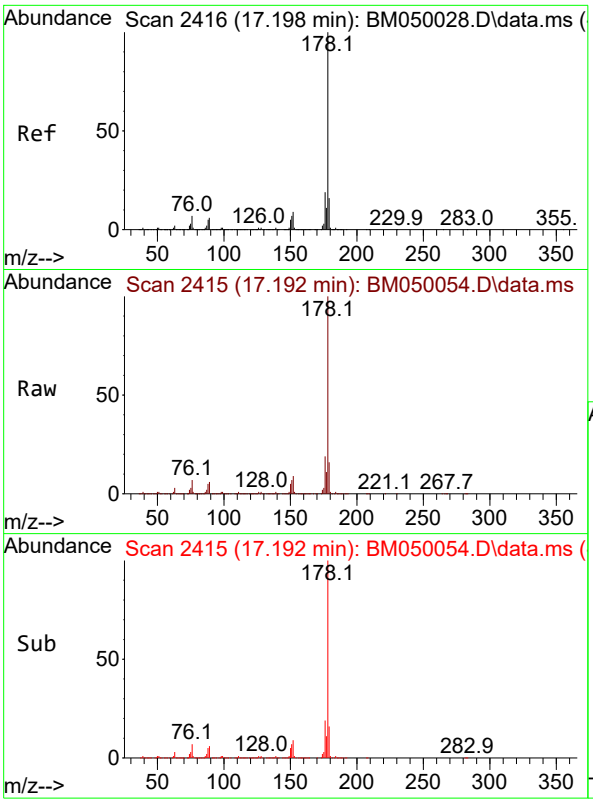


#70
Pentachlorophenol
Concen: 43.580 ng
RT: 16.815 min Scan# 2351
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion:266 Resp: 398945

Ion	Ratio	Lower	Upper
266	100		
268	65.2	51.2	76.8
264	62.8	49.6	74.4



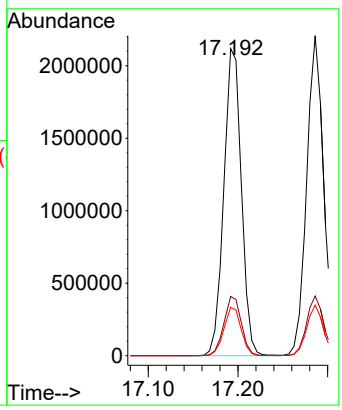


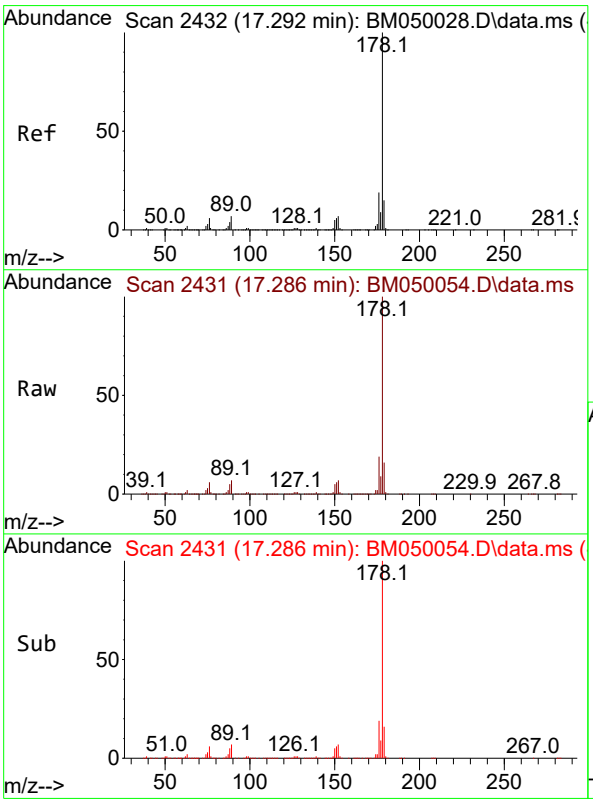
#71
Phenanthrene
Concen: 43.696 ng
RT: 17.192 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 2875342

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.7	12.4	18.6

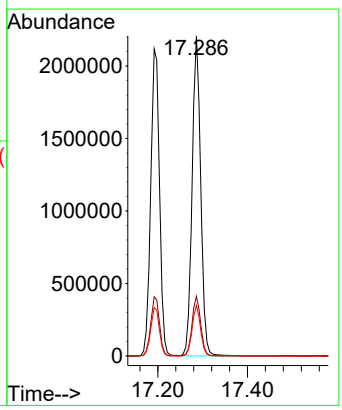


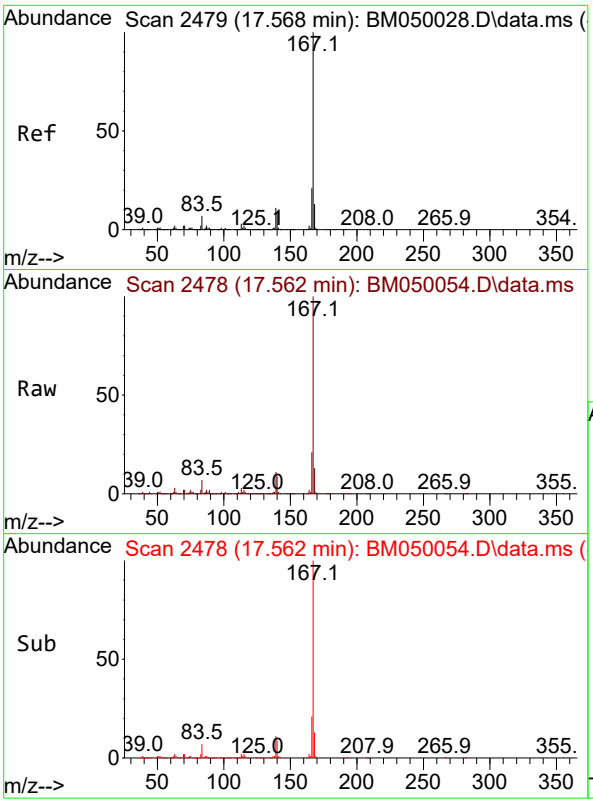


#72
Anthracene
Concen: 44.052 ng
RT: 17.286 min Scan# 2431
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion:178 Resp: 2933517

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.4
179	15.8	12.2	18.4



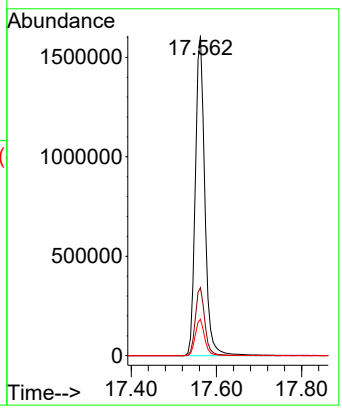


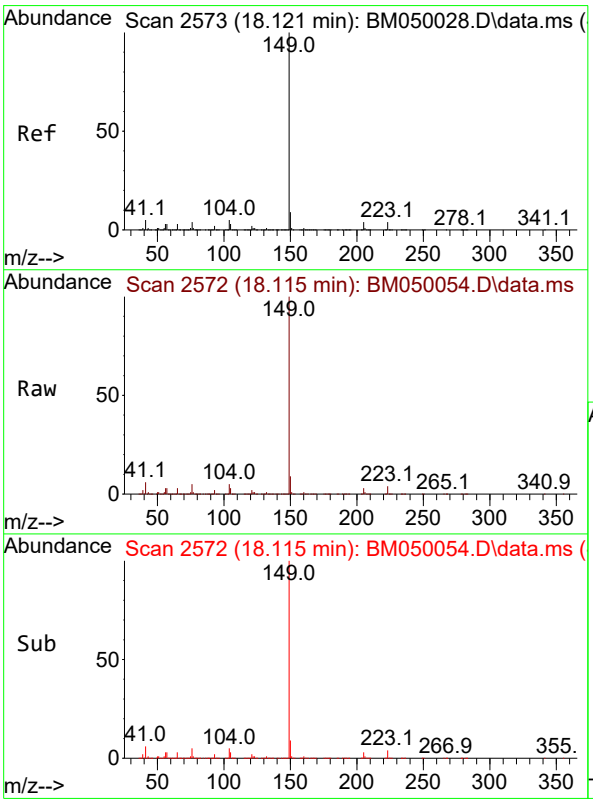
#73
Carbazole
Concen: 43.038 ng
RT: 17.562 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 2486964

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.2	25.8
139	11.4	9.0	13.6

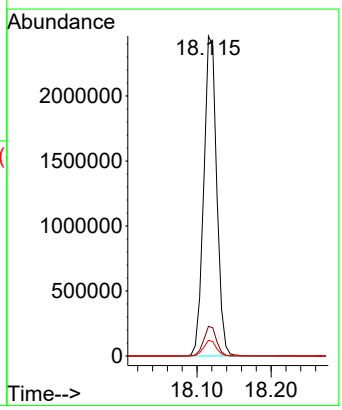


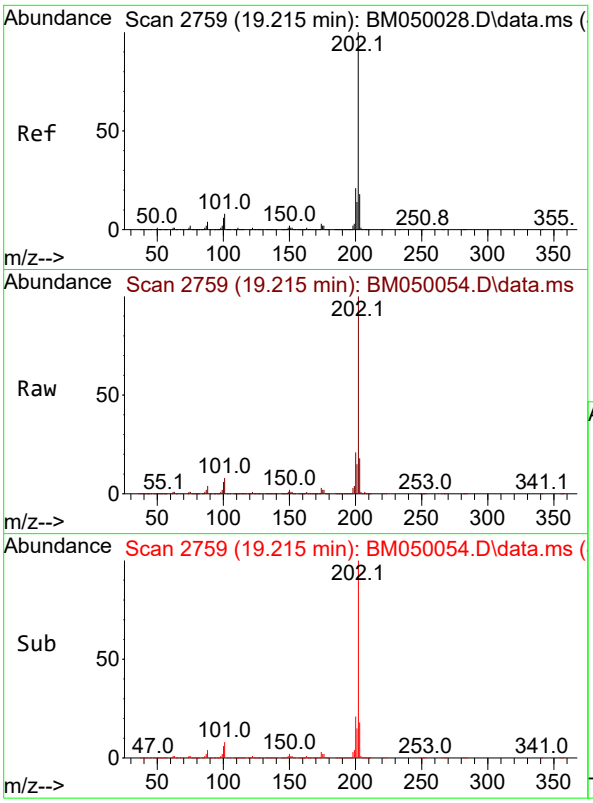


#74
Di-n-butylphthalate
Concen: 43.493 ng
RT: 18.115 min Scan# 2572
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion:149 Resp: 2993002

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.3	10.9
104	4.9	3.8	5.6



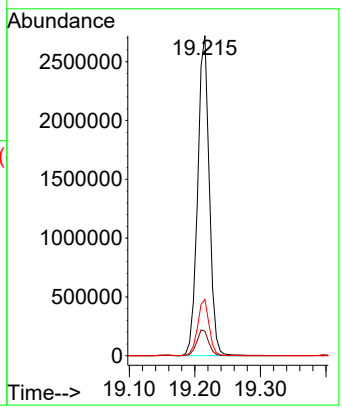


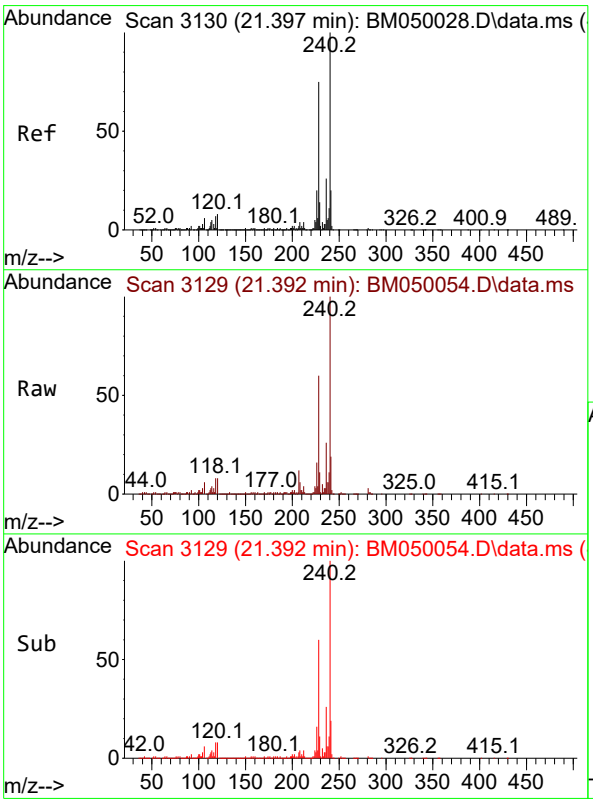
#75
Fluoranthene
Concen: 43.389 ng
RT: 19.215 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 3352057

Ion	Ratio	Lower	Upper
202	100		
101	7.6	0.0	28.0
203	17.6	0.0	37.7

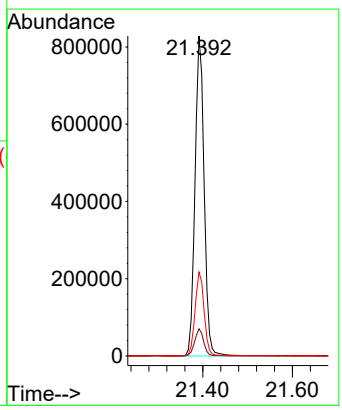


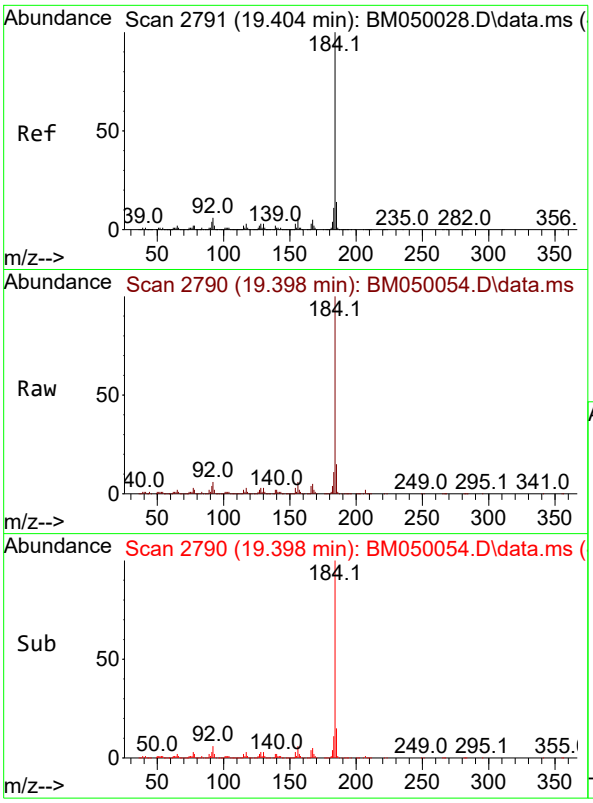


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.392 min Scan# 3129
Delta R.T. -0.005 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion:240 Resp: 1168652

Ion	Ratio	Lower	Upper
240	100		
120	8.5	6.5	9.7
236	26.2	20.9	31.3



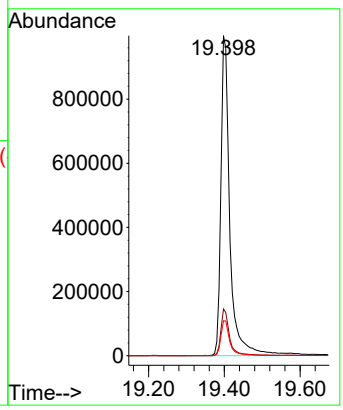


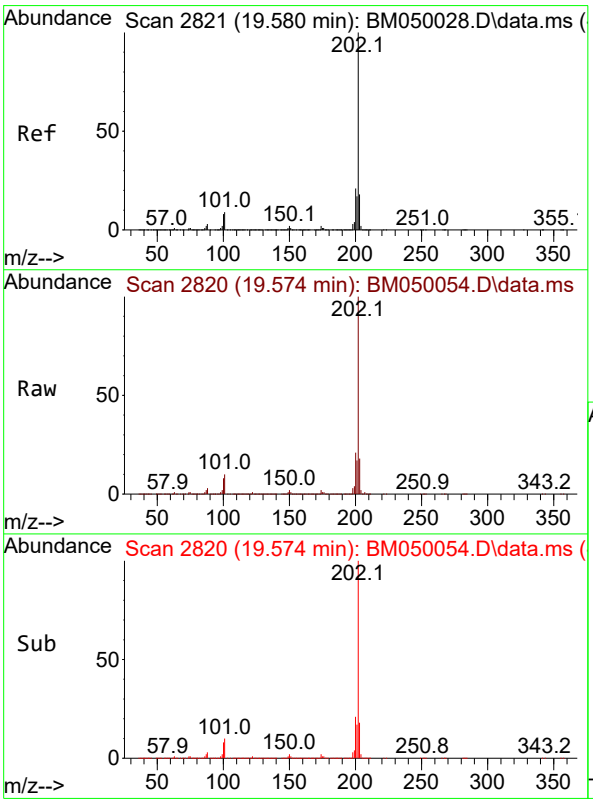
#77
Benzidine
Concen: 39.490 ng
RT: 19.398 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 1639286

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.5	17.3
183	10.9	8.9	13.3

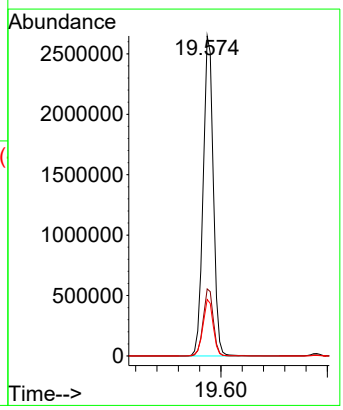


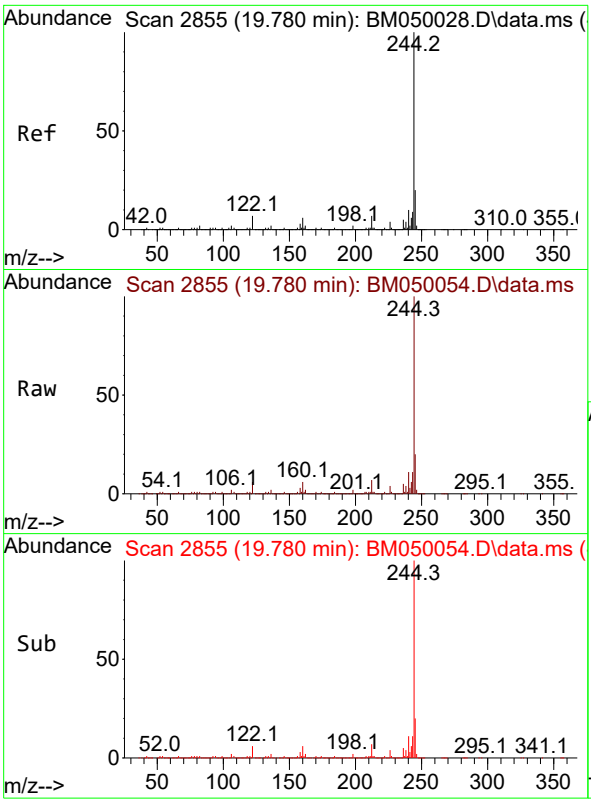


#78
Pyrene
Concen: 42.588 ng
RT: 19.574 min Scan# 2820
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion:202 Resp: 3495020

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.6	14.1	21.1



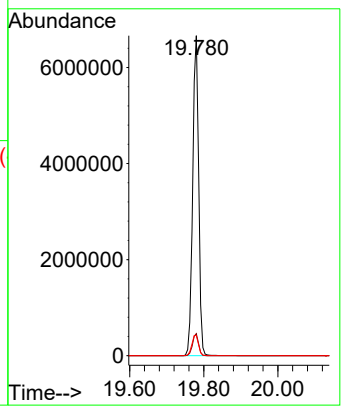


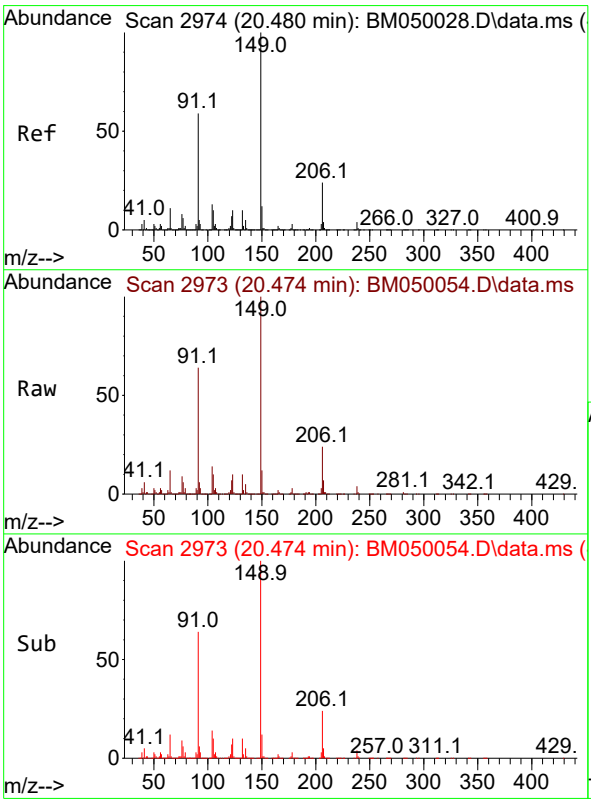
#79
Terphenyl-d14
Concen: 94.425 ng
RT: 19.780 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 7457359

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	6.3	5.6	8.4

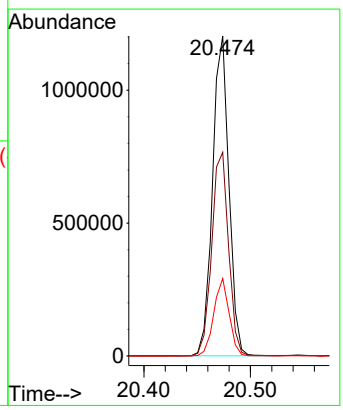


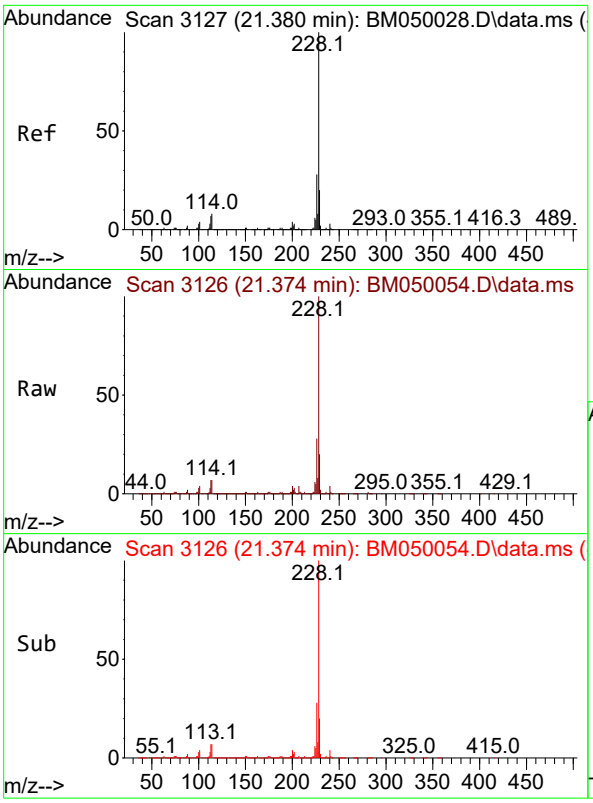


#80
Butylbenzylphthalate
Concen: 41.632 ng
RT: 20.474 min Scan# 2973
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion:149 Resp: 1279659

Ion	Ratio	Lower	Upper
149	100		
91	63.6	47.4	71.2
206	24.2	19.4	29.0



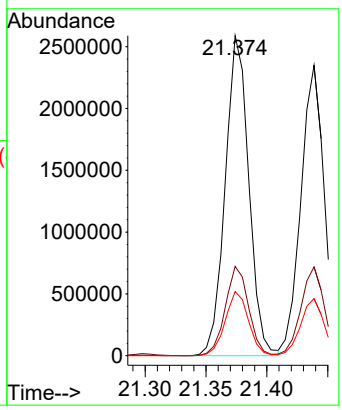


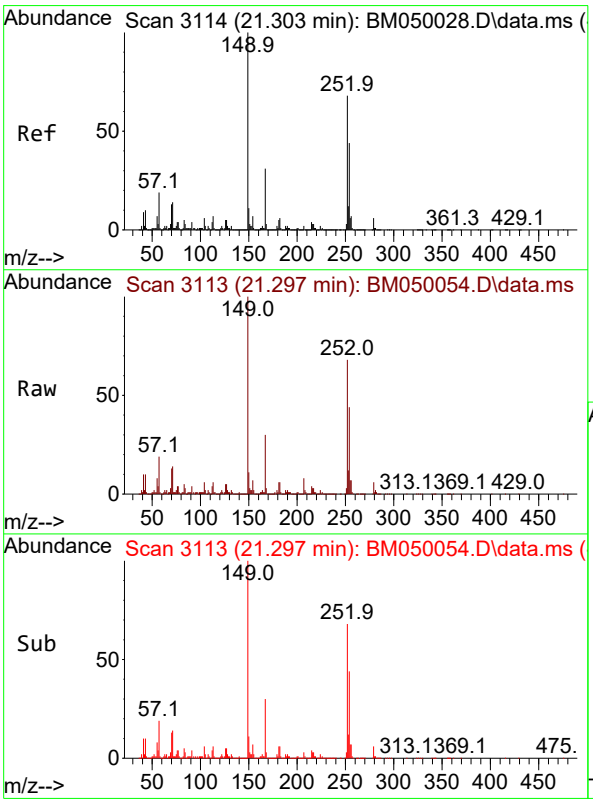
#81
Benzo(a)anthracene
Concen: 43.483 ng
RT: 21.374 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 3499337

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.1	33.1
229	20.0	15.7	23.5

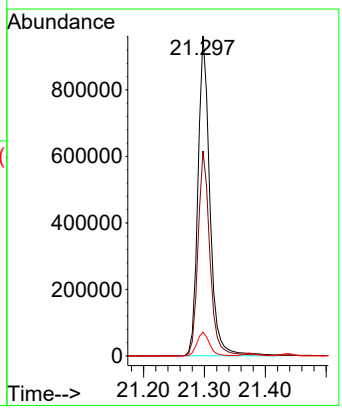


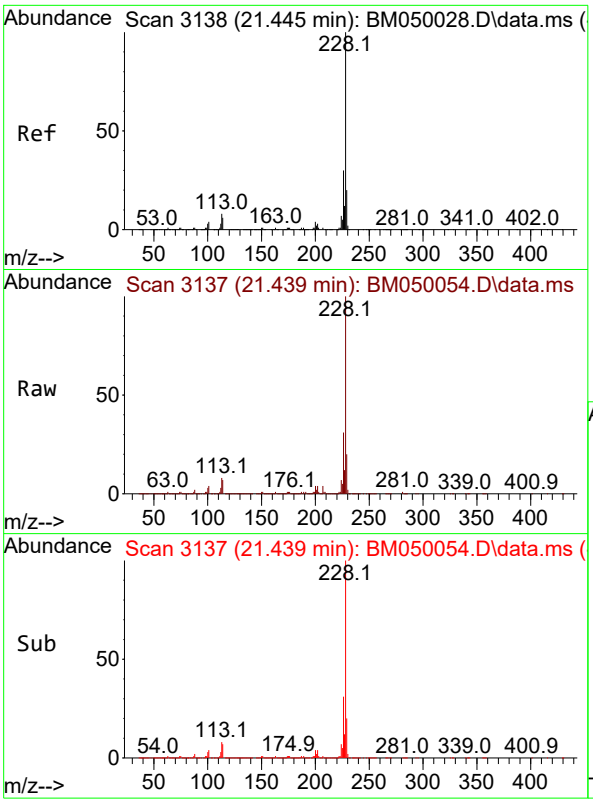


#82
3,3'-Dichlorobenzidine
Concen: 42.493 ng
RT: 21.297 min Scan# 3113
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion:252 Resp: 1309088

Ion	Ratio	Lower	Upper
252	100		
254	64.1	51.8	77.6
126	7.4	6.0	9.0



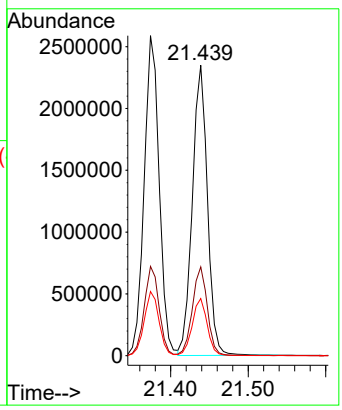


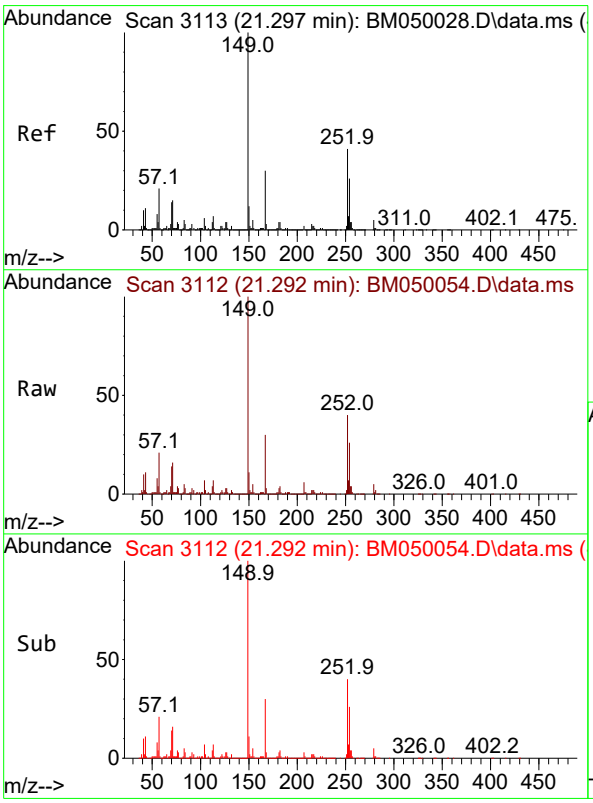
#83
Chrysene
Concen: 42.586 ng
RT: 21.439 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 3171890

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.2	36.2
229	19.7	15.7	23.5

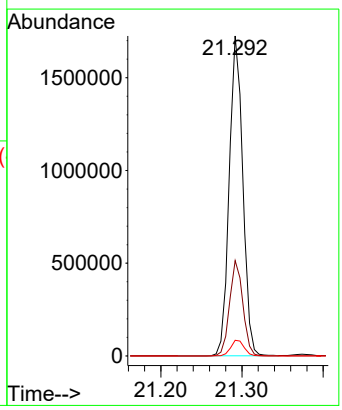


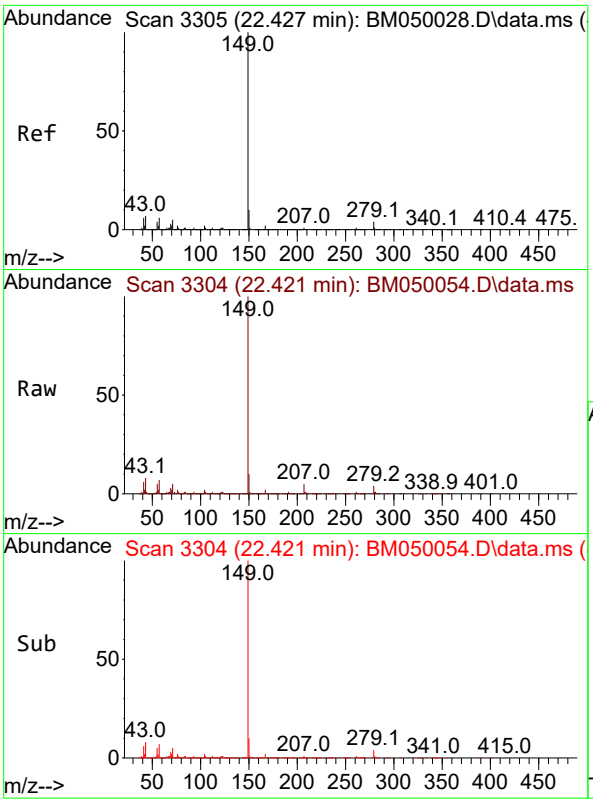


#84
Bis(2-ethylhexyl)phthalate
Concen: 43.580 ng
RT: 21.292 min Scan# 3112
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion:149 Resp: 2000776

Ion	Ratio	Lower	Upper
149	100		
167	29.8	24.1	36.1
279	4.9	3.9	5.9



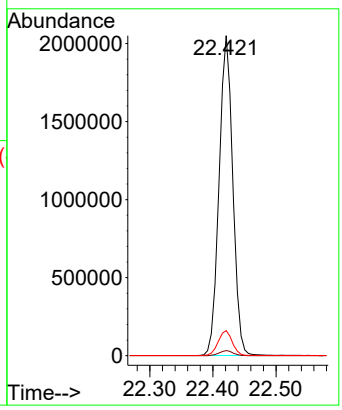


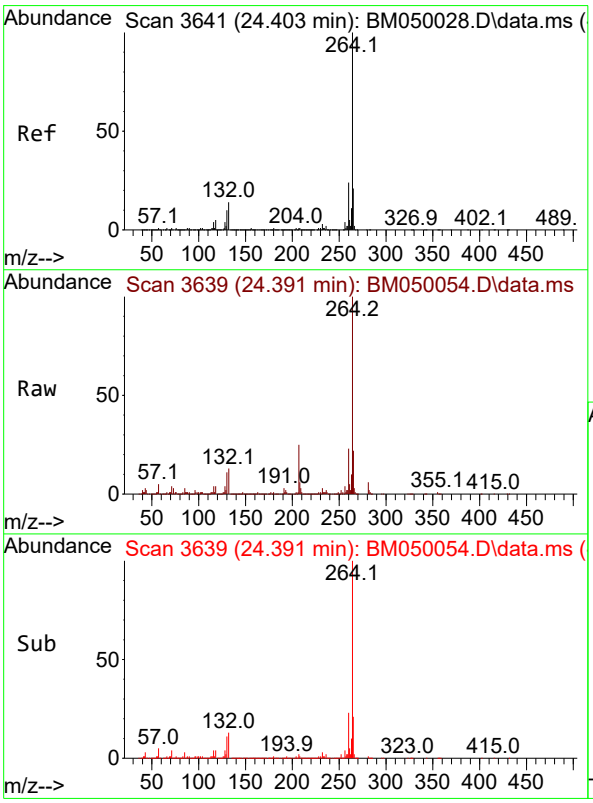
#85
Di-n-octyl phthalate
Concen: 40.768 ng
RT: 22.421 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 3086707

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.0	5.8	8.8

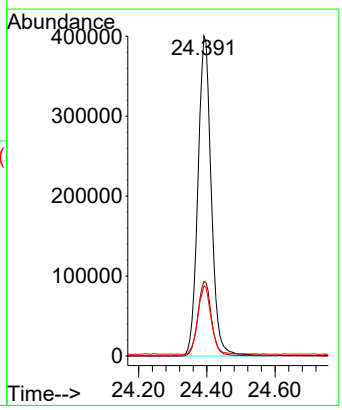


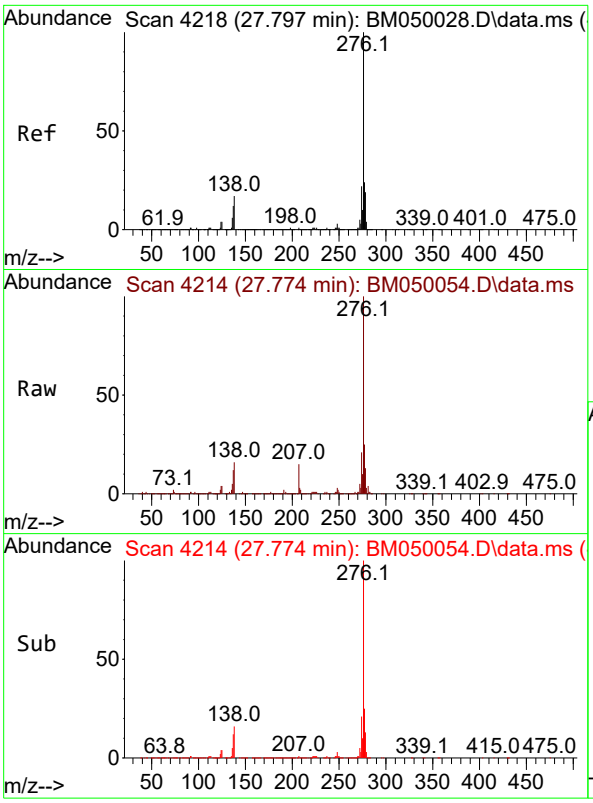


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.391 min Scan# 3639
Delta R.T. -0.012 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion:264 Resp: 1090575

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.8	28.2
265	21.9	17.0	25.4



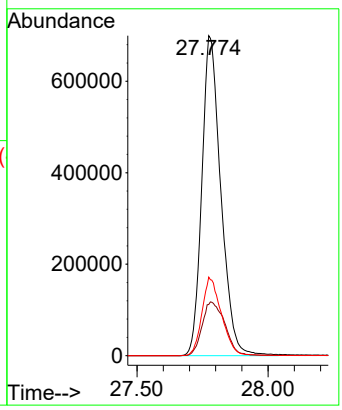


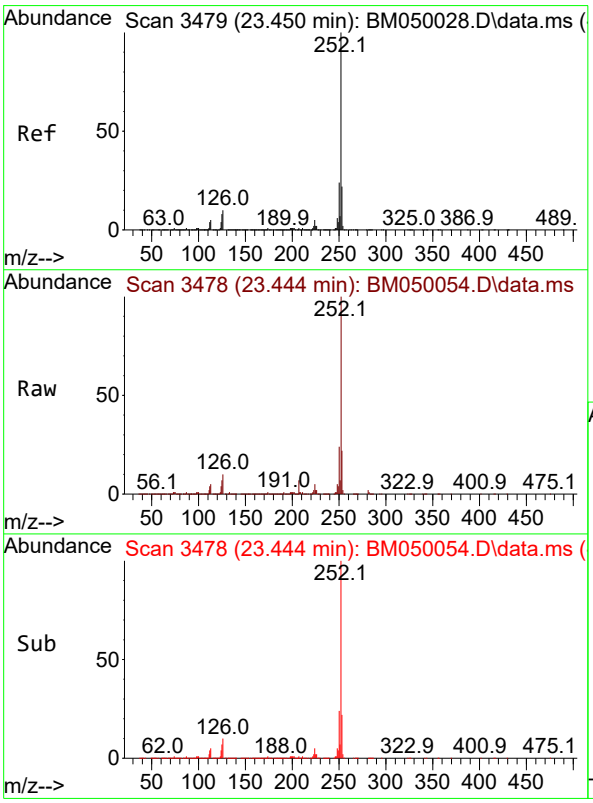
#87
Indeno(1,2,3-cd)pyrene
Concen: 43.405 ng
RT: 27.774 min Scan# 4
Delta R.T. -0.024 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 3527144

Ion	Ratio	Lower	Upper
276	100		
138	20.2	16.4	24.6
277	25.1	19.8	29.8

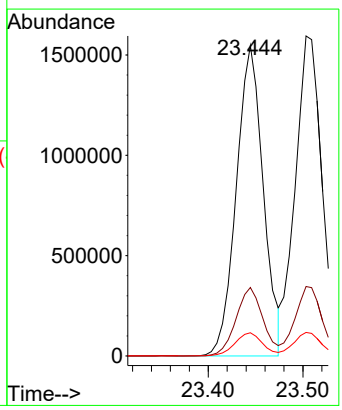


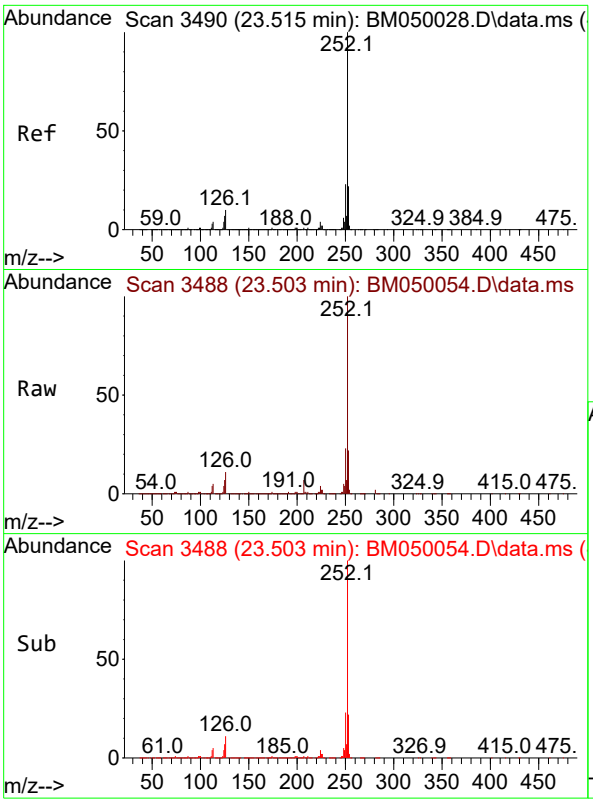


#88
Benzo(b)fluoranthene
Concen: 43.198 ng
RT: 23.444 min Scan# 3478
Delta R.T. -0.006 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion:252 Resp: 3063766

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	7.5	6.1	9.1



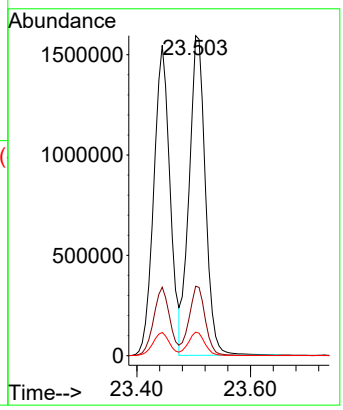


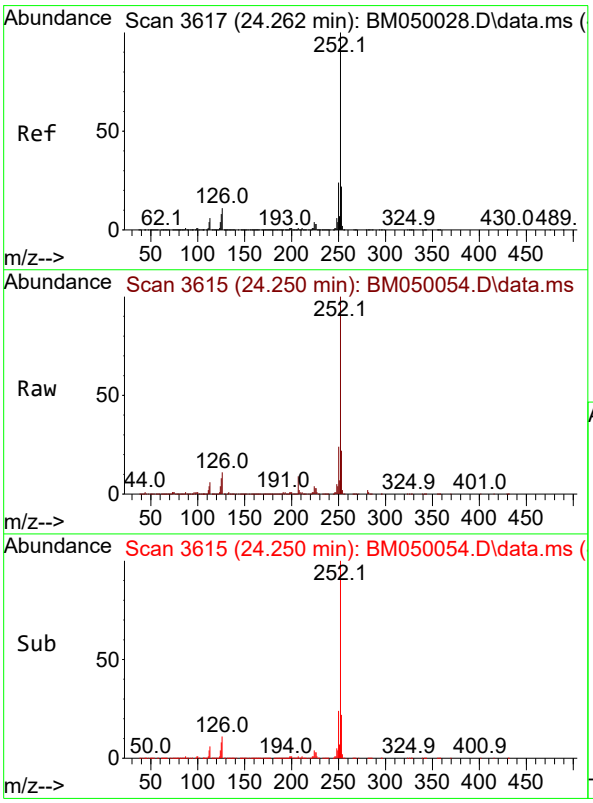
#89
Benzo(k)fluoranthene
Concen: 44.181 ng
RT: 23.503 min Scan# 34
Delta R.T. -0.012 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 3169596

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	7.4	5.8	8.8

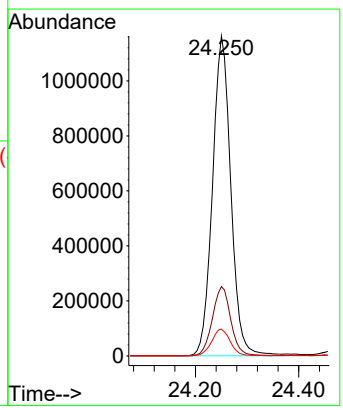


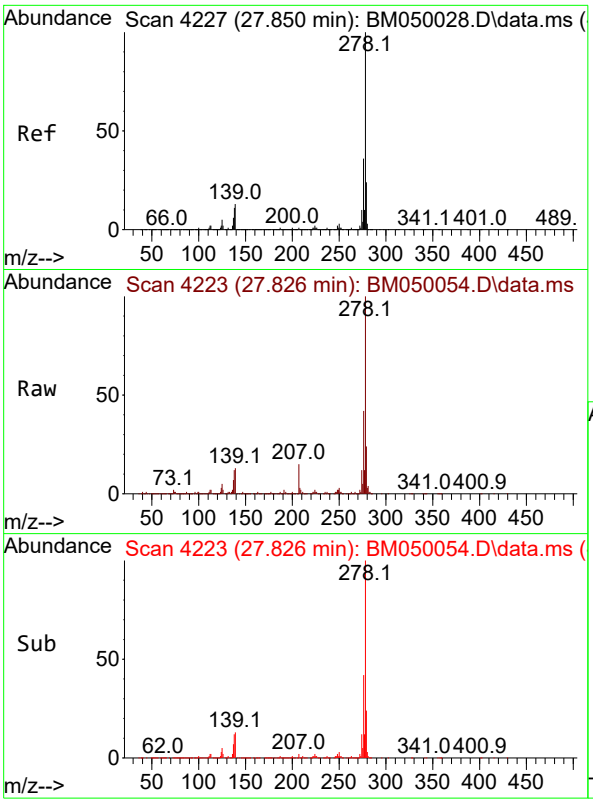


#90
Benzo(a)pyrene
Concen: 43.072 ng
RT: 24.250 min Scan# 3615
Delta R.T. -0.012 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion:252 Resp: 2861159

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	8.4	6.6	9.8



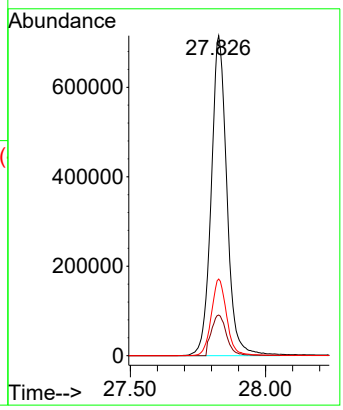


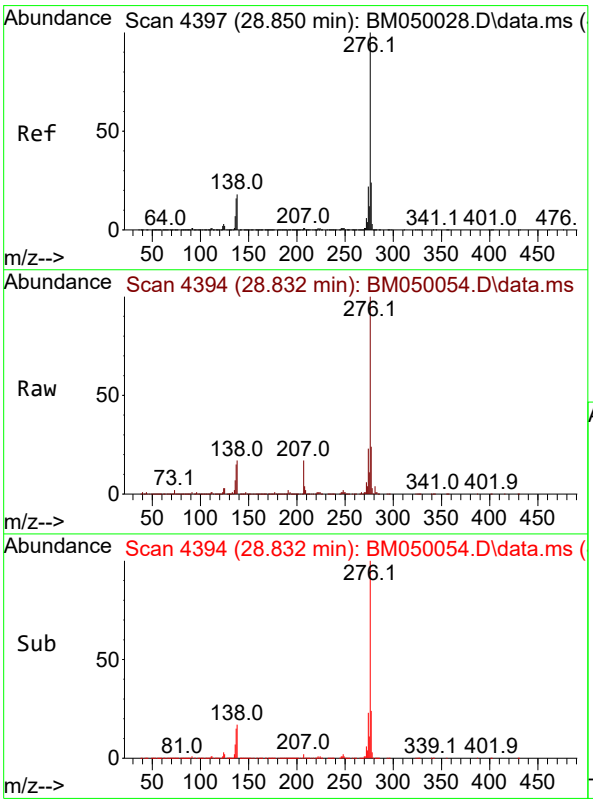
#91
Dibenzo(a,h)anthracene
Concen: 43.386 ng
RT: 27.826 min Scan# 4
Delta R.T. -0.024 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 2873981

Ion	Ratio	Lower	Upper
278	100		
139	12.7	10.5	15.7
279	23.9	19.4	29.0

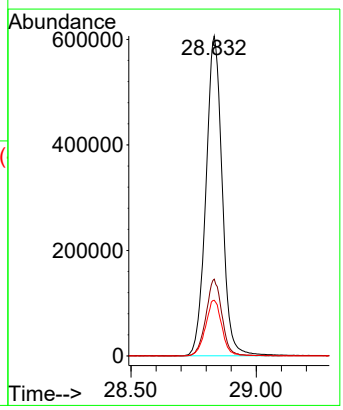




#92
Benzo(g,h,i)perylene
Concen: 43.058 ng
RT: 28.832 min Scan# 4394
Delta R.T. -0.018 min
Lab File: BM050054.D
Acq: 30 Apr 2025 21:18

Tgt Ion:276 Resp: 2730616

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.1	28.7
138	17.4	14.3	21.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050054.D
Acq On : 30 Apr 2025 21:18
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: May 01 02:19:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 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	104	0.00
2		1,4-Dioxane	0.490	0.531	-8.4	108	0.00
3		Pyridine	1.258	1.395	-10.9	109	0.00
4		n-Nitrosodimethylamine	0.493	0.565	-14.6	113	0.00
5	S	2-Fluorophenol	1.142	1.246	-9.1	107	0.00
6		Aniline	1.813	1.978	-9.1	106	0.00
7	S	Phenol-d6	1.436	1.604	-11.7	108	0.00
8		2-Chlorophenol	1.235	1.306	-5.7	103	0.00
9		Benzaldehyde	0.961	1.059	-10.2	107	0.00
10	C	Phenol	1.453	1.600	-10.1	108	0.00
11		bis(2-Chloroethyl)ether	1.213	1.315	-8.4	107	0.00
12		1,3-Dichlorobenzene	1.492	1.572	-5.4	104	0.00
13	C	1,4-Dichlorobenzene	1.499	1.587	-5.9	106	0.00
14		1,2-Dichlorobenzene	1.448	1.532	-5.8	105	0.00
15		Benzyl Alcohol	0.996	1.100	-10.4	106	0.00
16		2,2'-oxybis(1-Chloropropane	1.475	1.663	-12.7	111	0.00
17		2-Methylphenol	0.957	1.039	-8.6	105	0.00
18		Hexachloroethane	0.533	0.575	-7.9	107	0.00
19	P	n-Nitroso-di-n-propylamine	0.921	1.046	-13.6	108	0.00
20		3+4-Methylphenols	1.293	1.413	-9.3	105	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	103	0.00
22		Acetophenone	0.497	0.546	-9.9	106	0.00
23	S	Nitrobenzene-d5	0.406	0.459	-13.1	109	0.00
24		Nitrobenzene	0.351	0.393	-12.0	109	0.00
25		Isophorone	0.692	0.753	-8.8	107	0.00
26	C	2-Nitrophenol	0.179	0.195	-8.9	103	0.00
27		2,4-Dimethylphenol	0.297	0.321	-8.1	103	0.00
28		bis(2-Chloroethoxy)methane	0.428	0.468	-9.3	107	0.00
29	C	2,4-Dichlorophenol	0.333	0.358	-7.5	102	0.00
30		1,2,4-Trichlorobenzene	0.406	0.429	-5.7	104	0.00
31		Naphthalene	1.013	1.080	-6.6	105	0.00
32		Benzoic acid	0.190	0.187	1.6	98	0.00
33		4-Chloroaniline	0.415	0.450	-8.4	106	0.00
34	C	Hexachlorobutadiene	0.258	0.273	-5.8	104	0.00
35		Caprolactam	0.097	0.100	-3.1	99	0.00
36	C	4-Chloro-3-methylphenol	0.308	0.329	-6.8	104	0.00
37		2-Methylnaphthalene	0.679	0.713	-5.0	103	0.00
38		1-Methylnaphthalene	0.719	0.754	-4.9	104	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	102	0.00
40		1,2,4,5-Tetrachlorobenzene	0.692	0.750	-8.4	103	0.00
41	P	Hexachlorocyclopentadiene	0.423	0.448	-5.9	100	0.00
42	S	2,4,6-Tribromophenol	0.296	0.320	-8.1	103	0.00
43	C	2,4,6-Trichlorophenol	0.439	0.476	-8.4	102	0.00
44		2,4,5-Trichlorophenol	0.474	0.515	-8.6	102	0.00
45	S	2-Fluorobiphenyl	1.691	1.901	-12.4	108	0.00
46		1,1'-Biphenyl	1.487	1.608	-8.1	104	0.00
47		2-Chloronaphthalene	1.177	1.263	-7.3	103	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050054.D
Acq On : 30 Apr 2025 21:18
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: May 01 02:19:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 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	0.276	0.317	-14.9	107	0.00
49		Acenaphthylene	1.857	1.979	-6.6	103	0.00
50		Dimethylphthalate	1.462	1.523	-4.2	102	0.00
51		2,6-Dinitrotoluene	0.303	0.321	-5.9	100	0.00
52	C	Acenaphthene	1.075	1.158	-7.7	104	0.00
53		3-Nitroaniline	0.289	0.312	-8.0	99	0.00
54	P	2,4-Dinitrophenol	0.164	0.160	2.4	92	0.00
55		Dibenzofuran	1.788	1.898	-6.2	103	0.00
56	P	4-Nitrophenol	0.205	0.217	-5.9	99	0.00
57		2,4-Dinitrotoluene	0.418	0.455	-8.9	102	0.00
58		Fluorene	1.463	1.626	-11.1	107	0.00
59		2,3,4,6-Tetrachlorophenol	0.410	0.437	-6.6	103	0.00
60		Diethylphthalate	1.377	1.452	-5.4	103	0.00
61		4-Chlorophenyl-phenylether	0.804	0.889	-10.6	106	0.00
62		4-Nitroaniline	0.279	0.308	-10.4	100	0.00
63		Azobenzene	1.154	1.303	-12.9	109	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
65		4,6-Dinitro-2-methylphenol	0.125	0.128	-2.4	95	0.00
66	c	n-Nitrosodiphenylamine	0.614	0.677	-10.3	104	0.00
67		4-Bromophenyl-phenylether	0.242	0.260	-7.4	101	0.00
68		Hexachlorobenzene	0.279	0.297	-6.5	101	0.00
69		Atrazine	0.222	0.239	-7.7	101	0.00
70	C	Pentachlorophenol	0.157	0.171	-8.9	103	0.00
71		Phenanthrene	1.128	1.232	-9.2	104	0.00
72		Anthracene	1.142	1.257	-10.1	104	0.00
73		Carbazole	0.991	1.066	-7.6	101	0.00
74		Di-n-butylphthalate	1.180	1.283	-8.7	103	0.00
75	C	Fluoranthene	1.324	1.437	-8.5	102	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	105	0.00
77		Benzidine	0.710	0.701	1.3	95	0.00
78		Pyrene	1.404	1.495	-6.5	103	0.00
79	S	Terphenyl-d14	1.352	1.595	-18.0	110	0.00
80		Butylbenzylphthalate	0.526	0.547	-4.0	102	0.00
81		Benzo(a)anthracene	1.377	1.497	-8.7	106	0.00
82		3,3'-Dichlorobenzidine	0.527	0.560	-6.3	101	0.00
83		Chrysene	1.275	1.357	-6.4	106	0.00
84		Bis(2-ethylhexyl)phthalate	0.786	0.856	-8.9	107	0.00
85	c	Di-n-octyl phthalate	1.296	1.321	-1.9	101	0.00
86	I	Perylene-d12	1.000	1.000	0.0	102	-0.01
87		Indeno(1,2,3-cd)pyrene	1.490	1.617	-8.5	103	-0.02
88		Benzo(b)fluoranthene	1.301	1.405	-8.0	102	0.00
89		Benzo(k)fluoranthene	1.316	1.453	-10.4	107	-0.01
90	C	Benzo(a)pyrene	1.218	1.312	-7.7	103	-0.01
91		Dibenzo(a,h)anthracene	1.215	1.318	-8.5	103	-0.02
92		Benzo(g,h,i)perylene	1.163	1.252	-7.7	103	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050054.D
Acq On : 30 Apr 2025 21:18
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: May 01 02:19:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 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_M\Data\BM043025\
Data File : BM050054.D
Acq On : 30 Apr 2025 21:18
Operator : RC/JU
Sample : SSTDCCC040
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Instrument :
BNA_M
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SSTDCCC040

Quant Time: May 01 02:19:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 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	104	0.00
2		1,4-Dioxane	40.000	43.342	-8.4	108	0.00
3		Pyridine	40.000	44.347	-10.9	109	0.00
4		n-Nitrosodimethylamine	40.000	45.820	-14.6	113	0.00
5	S	2-Fluorophenol	80.000	87.278	-9.1	107	0.00
6		Aniline	40.000	43.638	-9.1	106	0.00
7	S	Phenol-d6	80.000	89.370	-11.7	108	0.00
8		2-Chlorophenol	40.000	42.301	-5.8	103	0.00
9		Benzaldehyde	40.000	44.103	-10.3	107	0.00
10	C	Phenol	40.000	44.035	-10.1	108	0.00
11		bis(2-Chloroethyl)ether	40.000	43.354	-8.4	107	0.00
12		1,3-Dichlorobenzene	40.000	42.149	-5.4	104	0.00
13	C	1,4-Dichlorobenzene	40.000	42.345	-5.9	106	0.00
14		1,2-Dichlorobenzene	40.000	42.331	-5.8	105	0.00
15		Benzyl Alcohol	40.000	44.214	-10.5	106	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	45.087	-12.7	111	0.00
17		2-Methylphenol	40.000	43.421	-8.6	105	0.00
18		Hexachloroethane	40.000	43.160	-7.9	107	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	45.435	-13.6	108	0.00
20		3+4-Methylphenols	40.000	43.728	-9.3	105	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	103	0.00
22		Acetophenone	40.000	43.935	-9.8	106	0.00
23	S	Nitrobenzene-d5	80.000	90.485	-13.1	109	0.00
24		Nitrobenzene	40.000	44.754	-11.9	109	0.00
25		Isophorone	40.000	43.556	-8.9	107	0.00
26	C	2-Nitrophenol	40.000	43.534	-8.8	103	0.00
27		2,4-Dimethylphenol	40.000	43.202	-8.0	103	0.00
28		bis(2-Chloroethoxy)methane	40.000	43.783	-9.5	107	0.00
29	C	2,4-Dichlorophenol	40.000	42.973	-7.4	102	0.00
30		1,2,4-Trichlorobenzene	40.000	42.311	-5.8	104	0.00
31		Naphthalene	40.000	42.665	-6.7	105	0.00
32		Benzoic acid	40.000	39.245	1.9	98	0.00
33		4-Chloroaniline	40.000	43.332	-8.3	106	0.00
34	C	Hexachlorobutadiene	40.000	42.339	-5.8	104	0.00
35		Caprolactam	40.000	41.126	-2.8	99	0.00
36	C	4-Chloro-3-methylphenol	40.000	42.712	-6.8	104	0.00
37		2-Methylnaphthalene	40.000	41.991	-5.0	103	0.00
38		1-Methylnaphthalene	40.000	41.983	-5.0	104	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	102	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	43.323	-8.3	103	0.00
41	P	Hexachlorocyclopentadiene	40.000	42.333	-5.8	100	0.00
42	S	2,4,6-Tribromophenol	80.000	86.547	-8.2	103	0.00
43	C	2,4,6-Trichlorophenol	40.000	43.402	-8.5	102	0.00
44		2,4,5-Trichlorophenol	40.000	43.543	-8.9	102	0.00
45	S	2-Fluorobiphenyl	80.000	89.966	-12.5	108	0.00
46		1,1'-Biphenyl	40.000	43.267	-8.2	104	0.00
47		2-Chloronaphthalene	40.000	42.903	-7.3	103	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050054.D
Acq On : 30 Apr 2025 21:18
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: May 01 02:19:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	45.835	-14.6	107	0.00
49		Acenaphthylene	40.000	42.631	-6.6	103	0.00
50		Dimethylphthalate	40.000	41.688	-4.2	102	0.00
51		2,6-Dinitrotoluene	40.000	42.434	-6.1	100	0.00
52	C	Acenaphthene	40.000	43.095	-7.7	104	0.00
53		3-Nitroaniline	40.000	43.194	-8.0	99	0.00
54	P	2,4-Dinitrophenol	40.000	36.480	8.8	92	0.00
55		Dibenzofuran	40.000	42.455	-6.1	103	0.00
56	P	4-Nitrophenol	40.000	39.344	1.6	99	0.00
57		2,4-Dinitrotoluene	40.000	43.553	-8.9	102	0.00
58		Fluorene	40.000	44.454	-11.1	107	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	42.630	-6.6	103	0.00
60		Diethylphthalate	40.000	42.159	-5.4	103	0.00
61		4-Chlorophenyl-phenylether	40.000	44.242	-10.6	106	0.00
62		4-Nitroaniline	40.000	44.151	-10.4	100	0.00
63		Azobenzene	40.000	45.162	-12.9	109	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	100	0.00
65		4,6-Dinitro-2-methylphenol	40.000	40.910	-2.3	95	0.00
66	c	n-Nitrosodiphenylamine	40.000	44.096	-10.2	104	0.00
67		4-Bromophenyl-phenylether	40.000	42.948	-7.4	101	0.00
68		Hexachlorobenzene	40.000	42.547	-6.4	101	0.00
69		Atrazine	40.000	43.143	-7.9	101	0.00
70	C	Pentachlorophenol	40.000	43.580	-8.9	103	0.00
71		Phenanthrene	40.000	43.696	-9.2	104	0.00
72		Anthracene	40.000	44.052	-10.1	104	0.00
73		Carbazole	40.000	43.038	-7.6	101	0.00
74		Di-n-butylphthalate	40.000	43.493	-8.7	103	0.00
75	C	Fluoranthene	40.000	43.389	-8.5	102	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	105	0.00
77		Benzidine	40.000	39.490	1.3	95	0.00
78		Pyrene	40.000	42.588	-6.5	103	0.00
79	S	Terphenyl-d14	80.000	94.425	-18.0	110	0.00
80		Butylbenzylphthalate	40.000	41.632	-4.1	102	0.00
81		Benzo(a)anthracene	40.000	43.483	-8.7	106	0.00
82		3,3'-Dichlorobenzidine	40.000	42.493	-6.2	101	0.00
83		Chrysene	40.000	42.586	-6.5	106	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	43.580	-8.9	107	0.00
85	c	Di-n-octyl phthalate	40.000	40.768	-1.9	101	0.00
86	I	Perylene-d12	20.000	20.000	0.0	102	-0.01
87		Indeno(1,2,3-cd)pyrene	40.000	43.405	-8.5	103	-0.02
88		Benzo(b)fluoranthene	40.000	43.198	-8.0	102	0.00
89		Benzo(k)fluoranthene	40.000	44.181	-10.5	107	-0.01
90	C	Benzo(a)pyrene	40.000	43.072	-7.7	103	-0.01
91		Dibenzo(a,h)anthracene	40.000	43.386	-8.5	103	-0.02
92		Benzo(g,h,i)perylene	40.000	43.058	-7.6	103	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050054.D
Acq On : 30 Apr 2025 21:18
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: May 01 02:19:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 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: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG No.: Q1883

Instrument ID: BNA_M Calibration Date/Time: 05/01/2025 01:12

Lab File ID: BM050060.D Init. Calib. Date(s): 04/28/2025 04/28/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 12:30 17:04

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.142	1.258		10.2	50.0
Phenol-d6	1.436	1.655		15.3	50.0
Nitrobenzene-d5	0.406	0.471		16.0	50.0
Naphthalene	1.013	1.096		8.2	50.0
2-Methylnaphthalene	0.679	0.737		8.5	50.0
2-Fluorobiphenyl	1.691	1.929		14.1	50.0
Acenaphthylene	1.857	2.020		8.8	50.0
Acenaphthene	1.075	1.182		10.0	50.0
Fluorene	1.463	1.672		14.3	50.0
2,4,6-Tribromophenol	0.296	0.338		14.2	50.0
Phenanthrene	1.128	1.248		10.6	50.0
Anthracene	1.142	1.275		11.6	50.0
Fluoranthene	1.324	1.505		13.7	50.0
Pyrene	1.404	1.480		5.4	50.0
Terphenyl-d14	1.352	1.566		15.8	50.0
Benzo(a)anthracene	1.377	1.499		8.9	50.0
Chrysene	1.275	1.361		6.7	50.0
Benzo(b)fluoranthene	1.301	1.442		10.8	50.0
Benzo(k)fluoranthene	1.316	1.449		10.1	50.0
Benzo(a)pyrene	1.218	1.322		8.5	50.0
Indeno(1,2,3-cd)pyrene	1.490	1.625		9.1	50.0
Dibenzo(a,h)anthracene	1.215	1.331		9.5	50.0
Benzo(g,h,i)perylene	1.163	1.239		6.5	50.0

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050060.D
Acq On : 01 May 2025 01:12
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Quant Time: May 01 02:21:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	263498	20.000	ng	0.00
21) Naphthalene-d8	10.557	136	983533	20.000	ng	0.00
39) Acenaphthene-d10	14.404	164	662235	20.000	ng	0.00
64) Phenanthrene-d10	17.151	188	1322987	20.000	ng	0.00
76) Chrysene-d12	21.392	240	1388415	20.000	ng	0.00
86) Perylene-d12	24.391	264	1280499	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	1325925	88.114	ng	0.00
7) Phenol-d6	6.946	99	1744875	92.257	ng	0.00
23) Nitrobenzene-d5	8.922	82	1851040	92.740	ng	0.00
42) 2,4,6-Tribromophenol	15.898	330	894040	91.303	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	5109751	91.278	ng	0.00
79) Terphenyl-d14	19.774	244	8694630	92.665	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.252	88	274309	42.515	ng	97
3) Pyridine	3.652	79	750633	45.280	ng	97
4) n-Nitrosodimethylamine	3.563	42	303706	46.711	ng	97
6) Aniline	7.093	93	1076847	45.089	ng	98
8) 2-Chlorophenol	7.334	128	705315	43.351	ng	98
9) Benzaldehyde	6.904	77	576034	45.512	ng	96
10) Phenol	6.975	94	869006	45.387	ng	99
11) bis(2-Chloroethyl)ether	7.187	93	707899	44.278	ng	99
12) 1,3-Dichlorobenzene	7.651	146	833099	42.389	ng	98
13) 1,4-Dichlorobenzene	7.798	146	841242	42.607	ng	99
14) 1,2-Dichlorobenzene	8.116	146	813993	42.679	ng	99
15) Benzyl Alcohol	8.010	79	607971	46.353	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.287	45	906162	46.627	ng	99
17) 2-Methylphenol	8.216	107	568424	45.066	ng	98
18) Hexachloroethane	8.839	117	304075	43.323	ng	98
19) n-Nitroso-di-n-propyla...	8.569	70	585592	48.276	ng	98
20) 3+4-Methylphenols	8.545	107	776116	45.564	ng	98
22) Acetophenone	8.587	105	1102142	45.073	ng	98
24) Nitrobenzene	8.963	77	790507	45.805	ng	98
25) Isophorone	9.492	82	1534483	45.101	ng	97
26) 2-Nitrophenol	9.675	139	388580	44.073	ng	96
27) 2,4-Dimethylphenol	9.745	122	649897	44.448	ng	99
28) bis(2-Chloroethoxy)met...	9.969	93	937950	44.603	ng	99
29) 2,4-Dichlorophenol	10.222	162	718660	43.874	ng	99
30) 1,2,4-Trichlorobenzene	10.422	180	850560	42.620	ng	100
31) Naphthalene	10.604	128	2156534	43.296	ng	100
32) Benzoic acid	9.916	122	413198	44.186	ng	99
33) 4-Chloroaniline	10.722	127	904944	44.326	ng	98
34) Hexachlorobutadiene	10.892	225	537570	42.435	ng	100
35) Caprolactam	11.516	113	209617	43.889	ng	86
36) 4-Chloro-3-methylphenol	11.863	107	675157	44.613	ng	97
37) 2-Methylnaphthalene	12.222	142	1449626	43.410	ng	99
38) 1-Methylnaphthalene	12.439	142	1531227	43.328	ng	99
40) 1,2,4,5-Tetrachloroben...	12.592	216	999649	43.606	ng	99
41) Hexachlorocyclopentadiene	12.569	237	605084	43.190	ng	99
43) 2,4,6-Trichlorophenol	12.845	196	643878	44.282	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050060.D
Acq On : 01 May 2025 01:12
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Quant Time: May 01 02:21:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

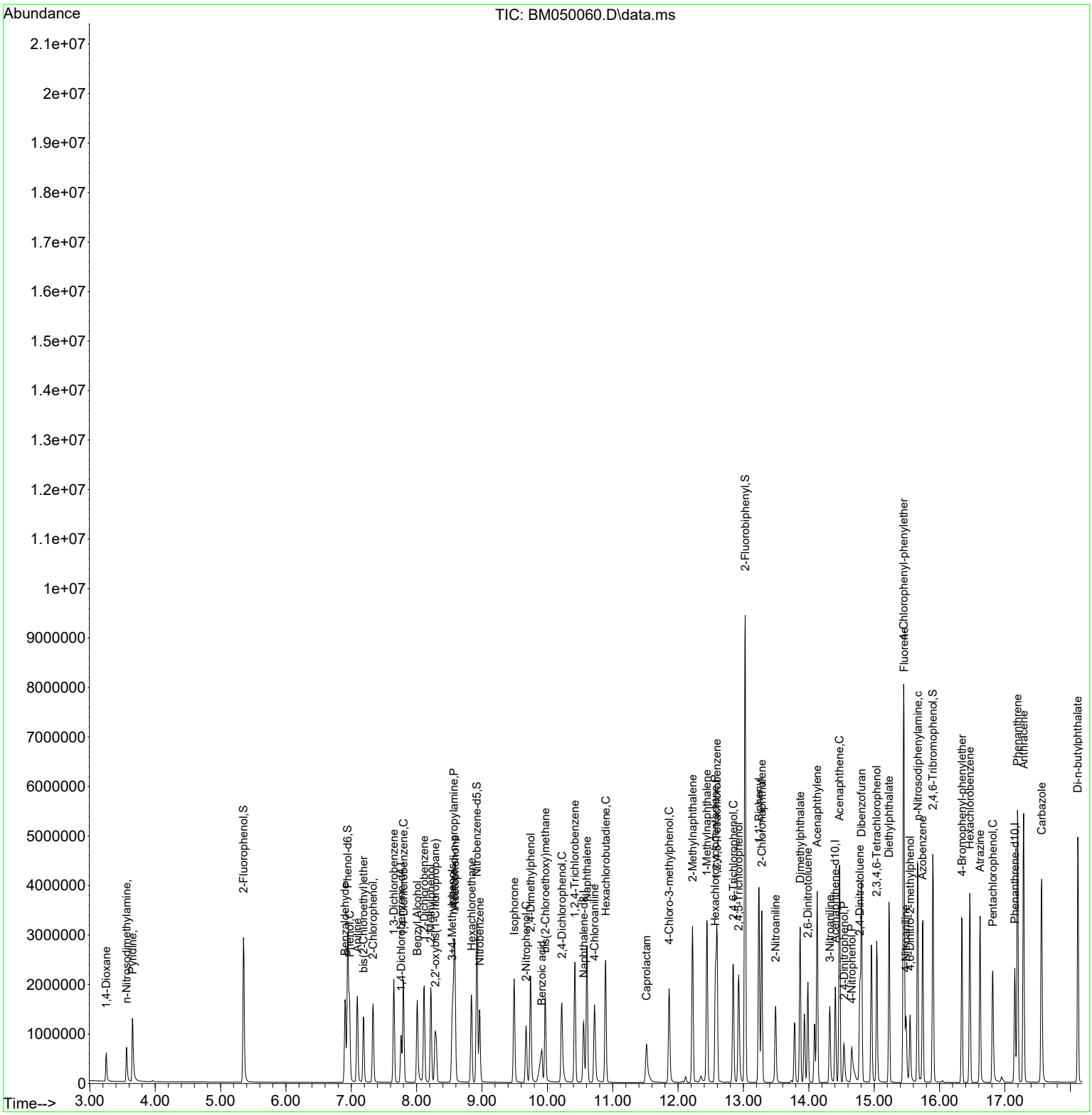
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.927	196	696343	44.411	ng	98
46) 1,1'-Biphenyl	13.239	154	2140855	43.489	ng	99
47) 2-Chloronaphthalene	13.280	162	1683033	43.168	ng	99
48) 2-Nitroaniline	13.492	65	434314	47.463	ng	96
49) Acenaphthylene	14.127	152	2674968	43.515	ng	99
50) Dimethylphthalate	13.869	163	2077233	42.921	ng	100
51) 2,6-Dinitrotoluene	13.986	165	441019	44.013	ng	95
52) Acenaphthene	14.469	154	1565806	44.005	ng	99
53) 3-Nitroaniline	14.322	138	421864	44.097	ng	97
54) 2,4-Dinitrophenol	14.539	184	231207	39.209	ng	97
55) Dibenzofuran	14.804	168	2581239	43.601	ng	99
56) 4-Nitrophenol	14.657	139	303363	41.303	ng	91
57) 2,4-Dinitrotoluene	14.780	165	627881	45.347	ng	96
58) Fluorene	15.457	166	2214304	45.696	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.039	232	599598	44.178	ng	99
60) Diethylphthalate	15.227	149	1971037	43.222	ng	99
61) 4-Chlorophenyl-phenyle...	15.451	204	1220657	45.862	ng	100
62) 4-Nitroaniline	15.486	138	424632	46.006	ng	94
63) Azobenzene	15.739	77	1781918	46.624	ng	98
65) 4,6-Dinitro-2-methylph...	15.551	198	347445	41.955	ng	97
66) n-Nitrosodiphenylamine	15.668	169	1780528	43.828	ng	100
67) 4-Bromophenyl-phenylether	16.345	248	691949	43.251	ng	96
68) Hexachlorobenzene	16.463	284	789606	42.817	ng	99
69) Atrazine	16.621	200	648048	44.223	ng	99
70) Pentachlorophenol	16.815	266	460957	44.406	ng	99
71) Phenanthrene	17.192	178	3302440	44.258	ng	99
72) Anthracene	17.286	178	3373493	44.674	ng	100
73) Carbazole	17.562	167	2879903	43.951	ng	100
74) Di-n-butylphthalate	18.115	149	3465029	44.404	ng	99
75) Fluoranthene	19.209	202	3982701	45.461	ng	100
77) Benzidine	19.398	184	1856216	37.638	ng	100
78) Pyrene	19.574	202	4110122	42.156	ng	100
80) Butylbenzylphthalate	20.468	149	1499708	41.069	ng	91
81) Benzo(a)anthracene	21.374	228	4163413	43.546	ng	99
82) 3,3'-Dichlorobenzidine	21.298	252	1570228	42.902	ng	100
83) Chrysene	21.433	228	3778223	42.697	ng	99
84) Bis(2-ethylhexyl)phtha...	21.292	149	2342272	42.943	ng	99
85) Di-n-octyl phthalate	22.415	149	3654109	40.623	ng	98
87) Indeno(1,2,3-cd)pyrene	27.774	276	4162560	43.627	ng	99
88) Benzo(b)fluoranthene	23.444	252	3693771	44.357	ng	99
89) Benzo(k)fluoranthene	23.503	252	3710562	44.050	ng	100
90) Benzo(a)pyrene	24.250	252	3385114	43.401	ng	100
91) Dibenzo(a,h)anthracene	27.826	278	3408506	43.824	ng	99
92) Benzo(g,h,i)perylene	28.826	276	3173888	42.624	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050060.D
Acq On : 01 May 2025 01:12
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Quant Time: May 01 02:21:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050060.D
Acq On : 01 May 2025 01:12
Operator : RC/JU
Sample : SSTDCCC040
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Instrument :
BNA_M
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Quant Time: May 01 02:21:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
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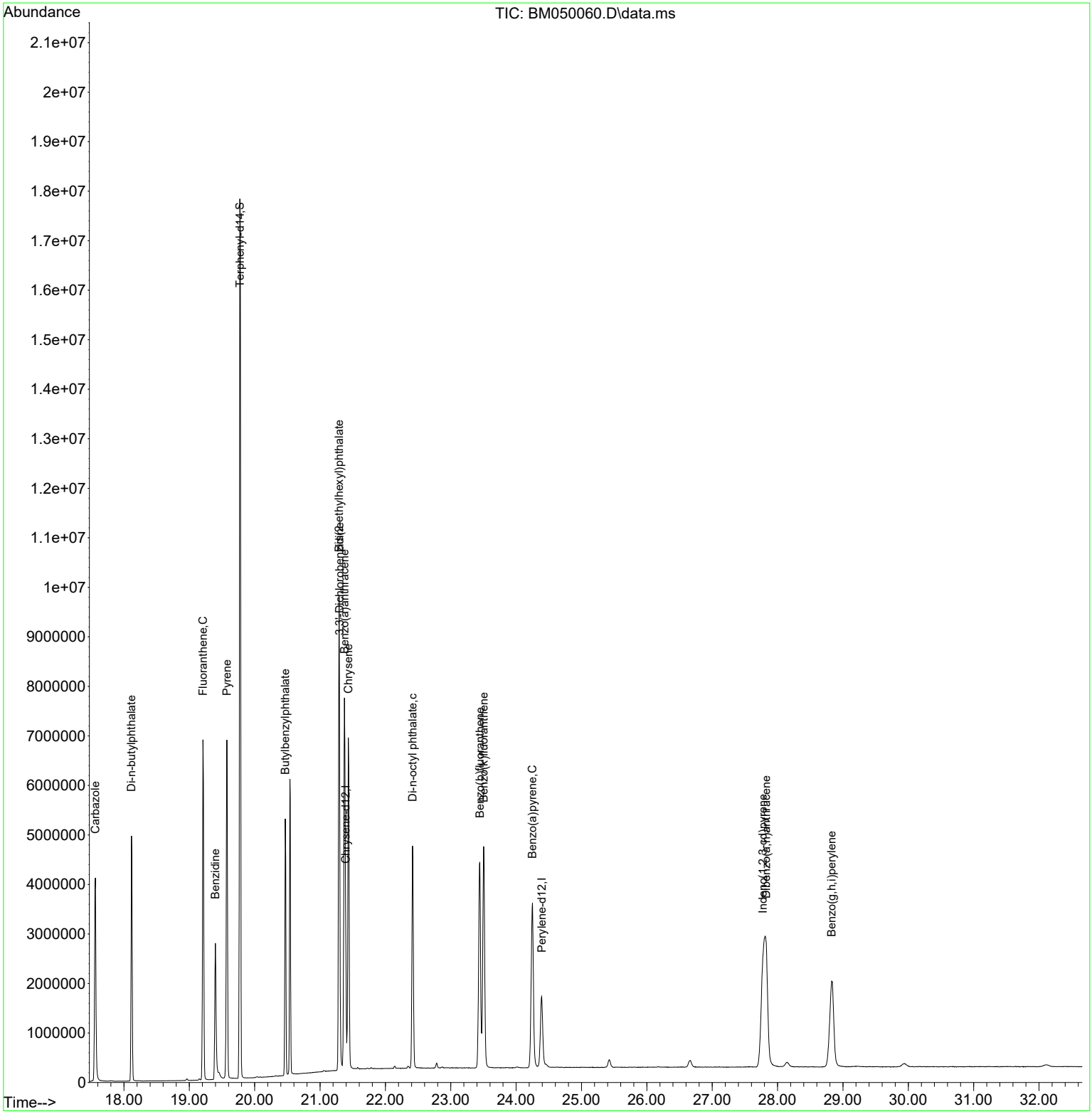
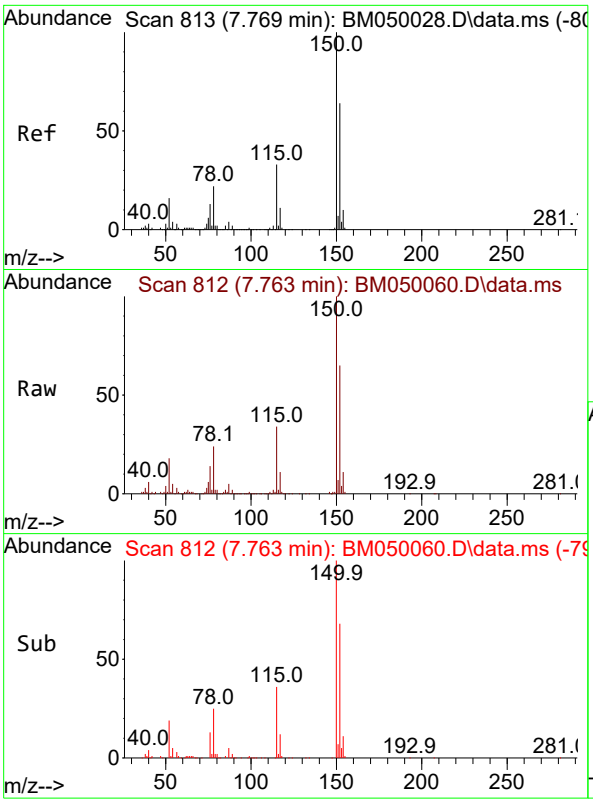


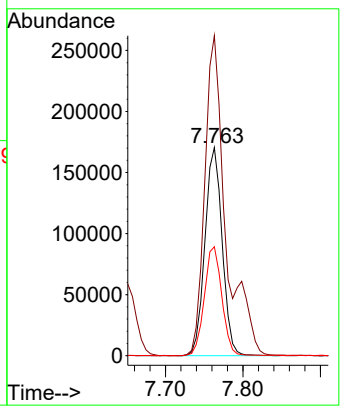


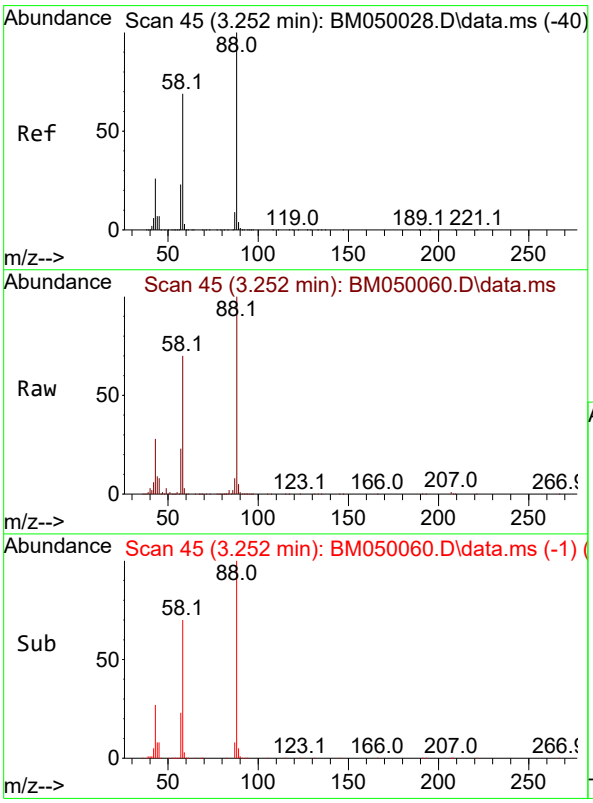
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 263498

Ion	Ratio	Lower	Upper
152	100		
150	153.8	124.1	186.1
115	52.4	41.2	61.8

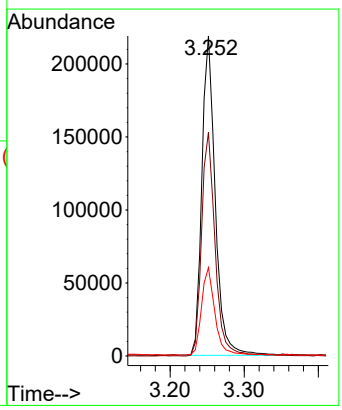


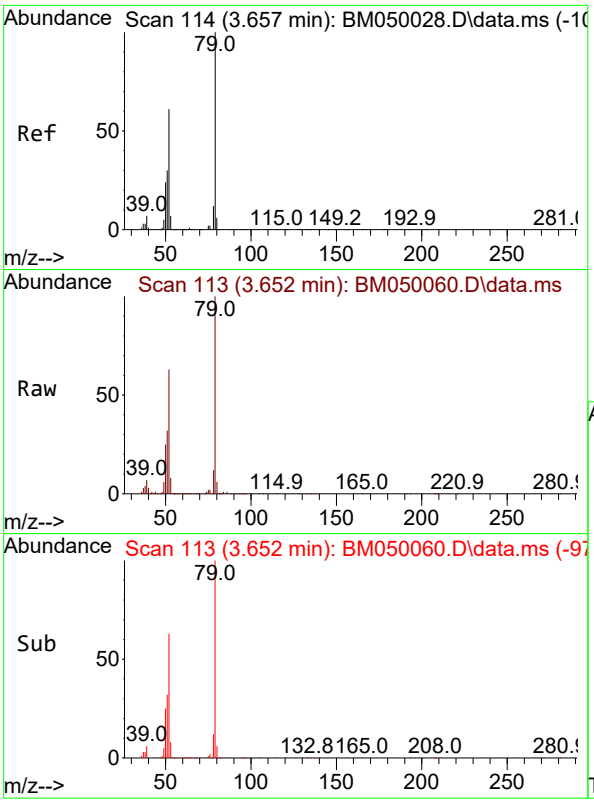


#2
1,4-Dioxane
Concen: 42.515 ng
RT: 3.252 min Scan# 45
Delta R.T. 0.000 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion: 88 Resp: 274309

Ion	Ratio	Lower	Upper
88	100		
58	71.3	55.1	82.7
43	27.2	20.9	31.3



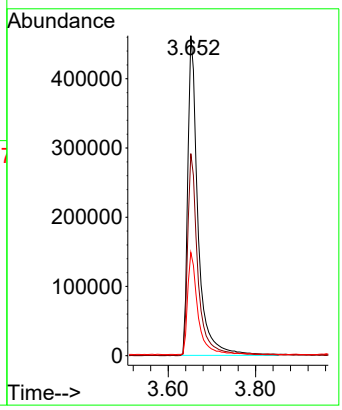


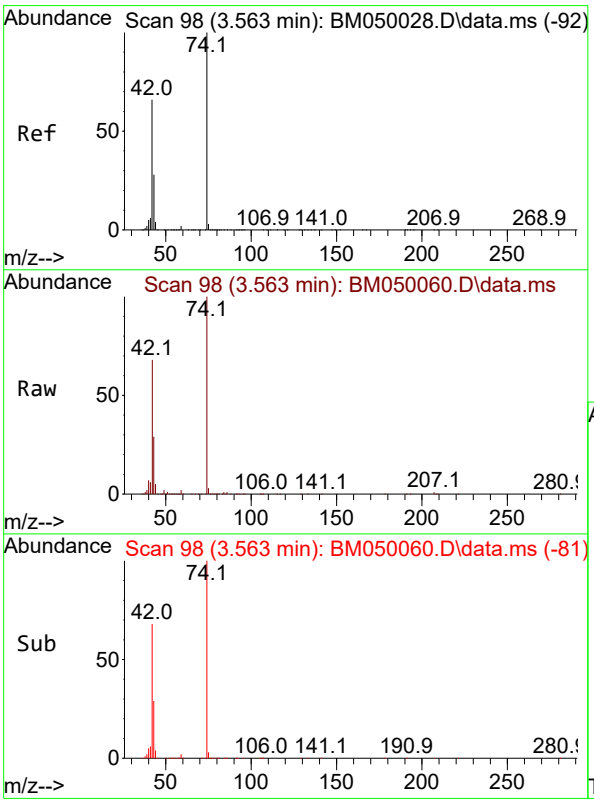
#3
Pyridine
Concen: 45.280 ng
RT: 3.652 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 750633

Ion	Ratio	Lower	Upper
79	100		
52	63.1	48.6	72.8
51	32.3	24.6	37.0

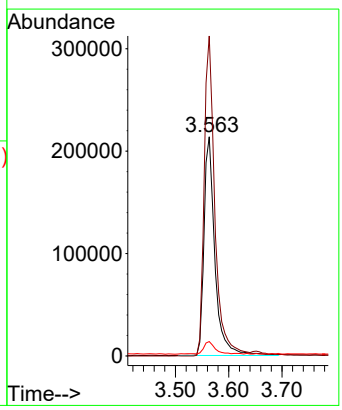


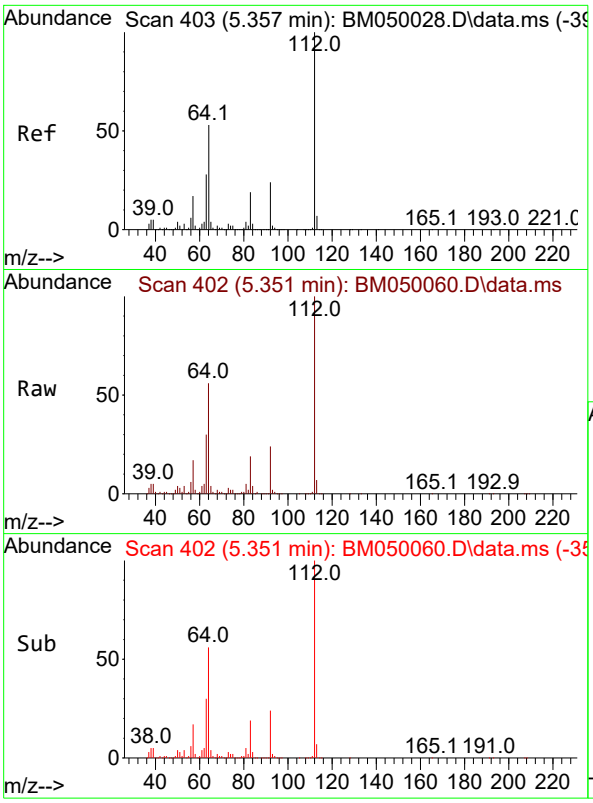


#4
n-Nitrosodimethylamine
Concen: 46.711 ng
RT: 3.563 min Scan# 98
Delta R.T. 0.000 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion: 42 Resp: 303706

Ion	Ratio	Lower	Upper
42	100		
74	146.0	120.2	180.2
44	6.6	6.2	9.2



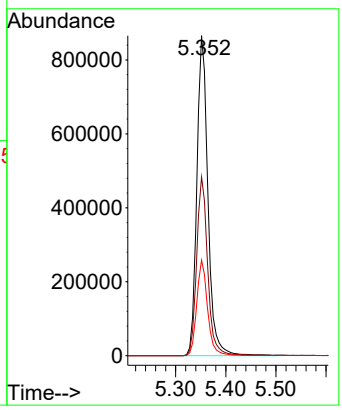


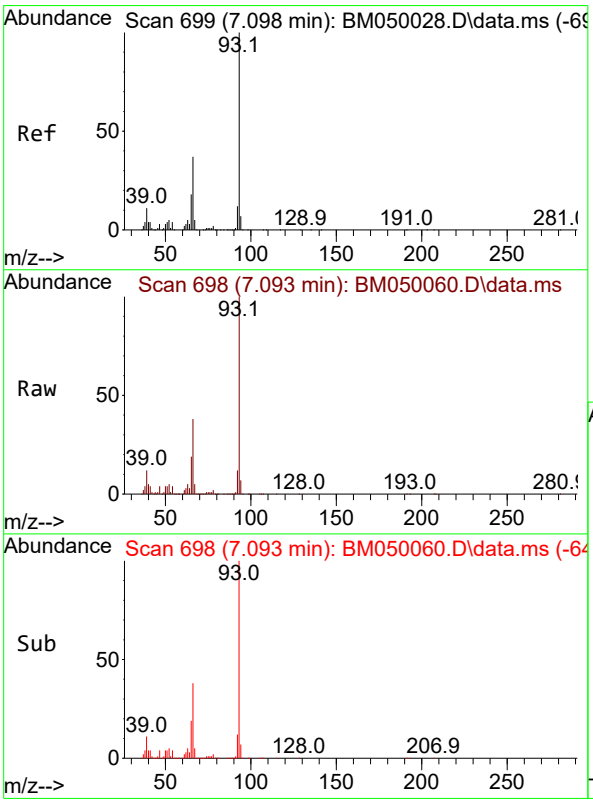
#5
2-Fluorophenol
Concen: 88.114 ng
RT: 5.351 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:112 Resp: 1325925

Ion	Ratio	Lower	Upper
112	100		
64	55.8	42.6	64.0
63	29.8	22.2	33.4

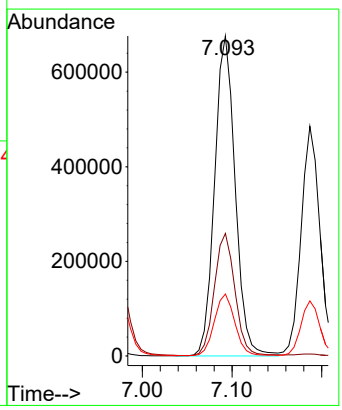


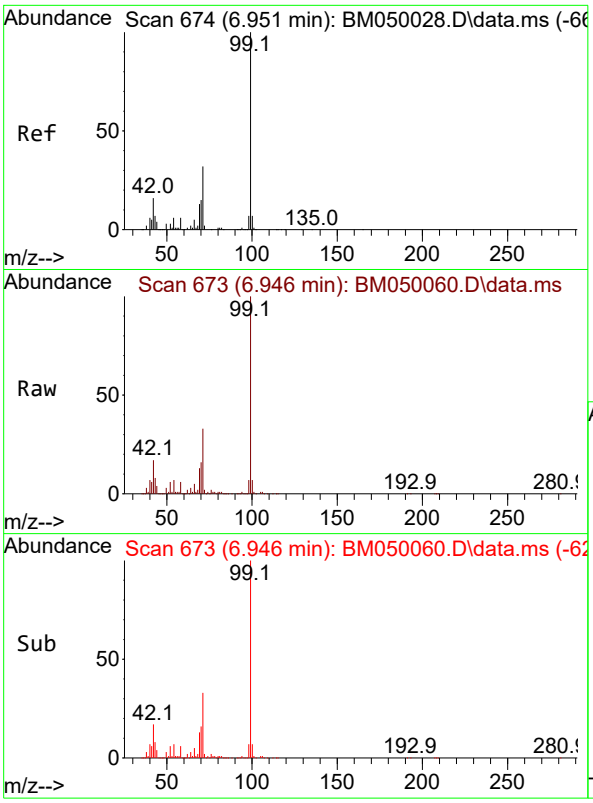


#6
Aniline
Concen: 45.089 ng
RT: 7.093 min Scan# 698
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion: 93 Resp: 1076847

Ion	Ratio	Lower	Upper
93	100		
66	38.3	29.9	44.9
65	19.3	14.5	21.7



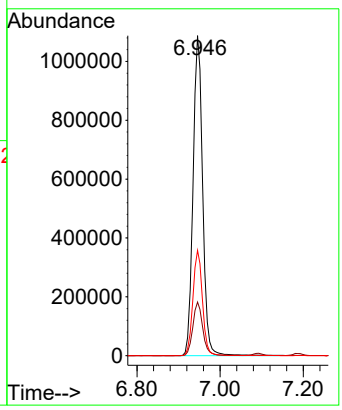


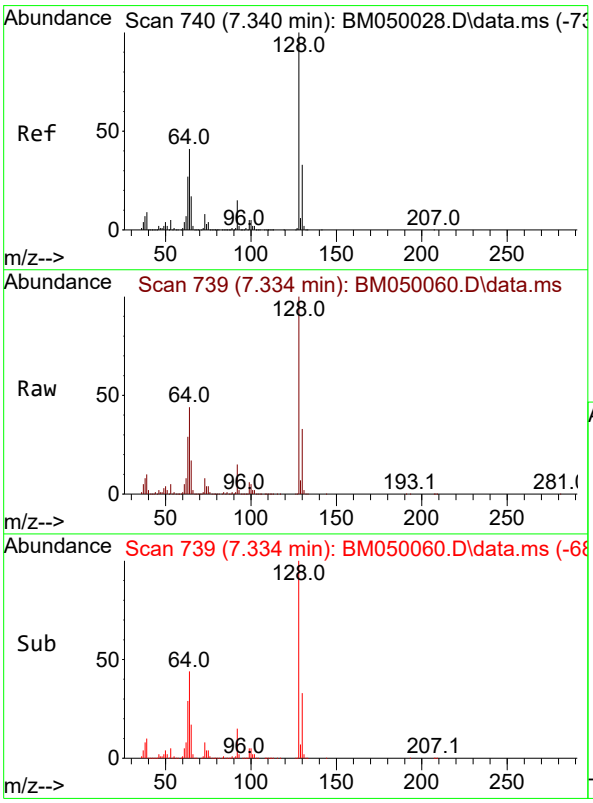
#7
Phenol-d6
Concen: 92.257 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 99 Resp: 1744875

Ion	Ratio	Lower	Upper
99	100		
42	16.8	13.0	19.4
71	32.9	25.6	38.4

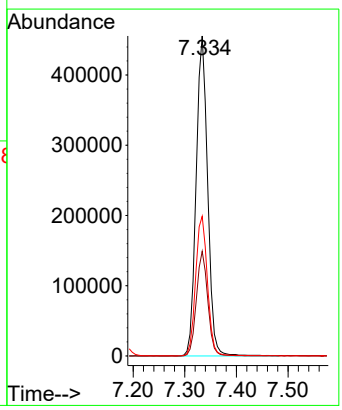


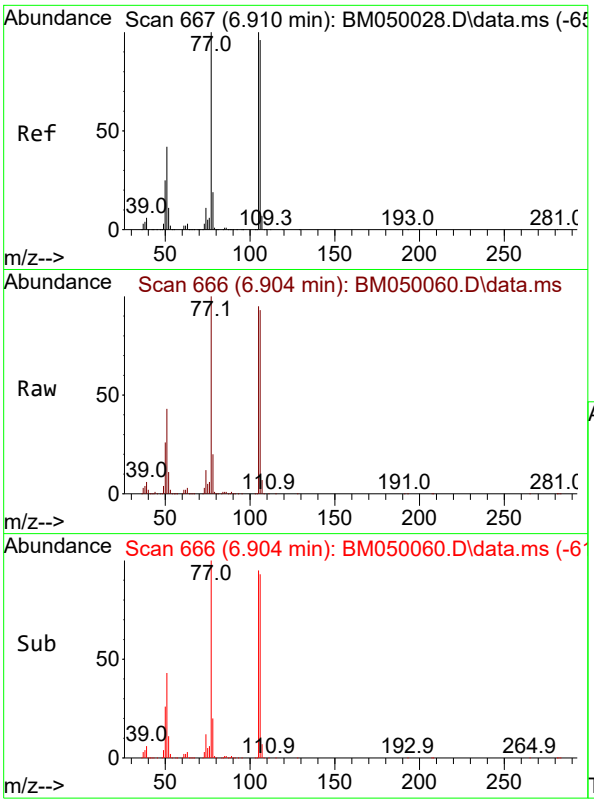


#8
2-Chlorophenol
Concen: 43.351 ng
RT: 7.334 min Scan# 739
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion:128 Resp: 705315

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.8	52.8
64	43.6	21.2	61.2



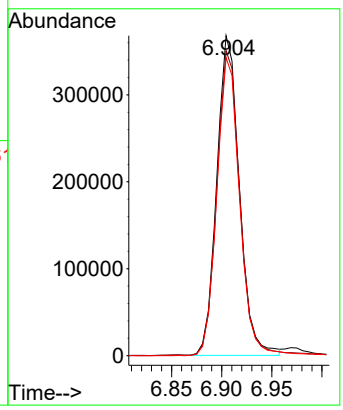


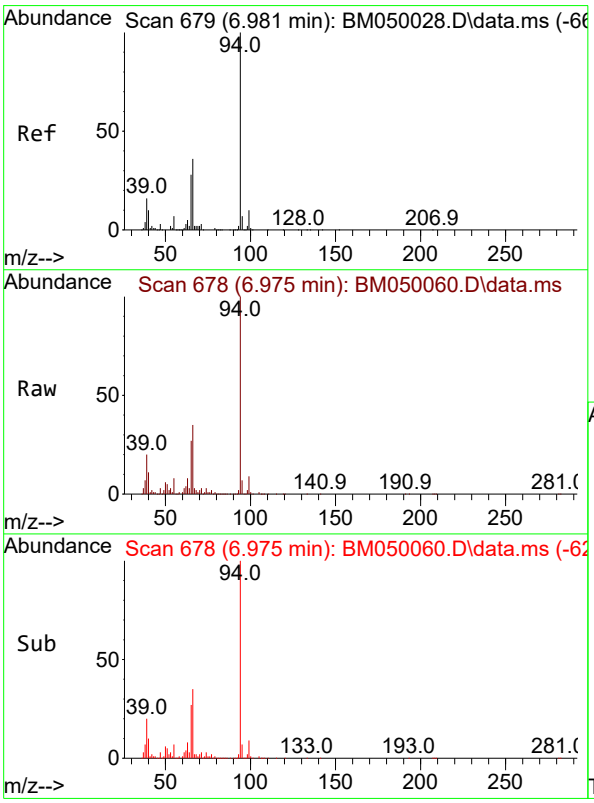
#9
Benzaldehyde
Concen: 45.512 ng
RT: 6.904 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 576034

Ion	Ratio	Lower	Upper
77	100		
105	95.3	80.5	120.5
106	93.1	76.1	116.1

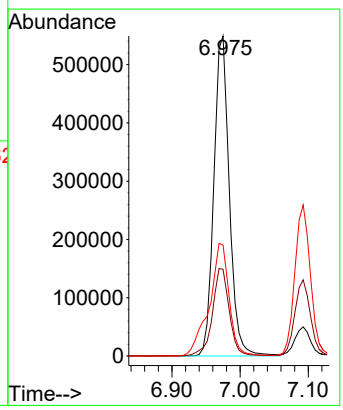


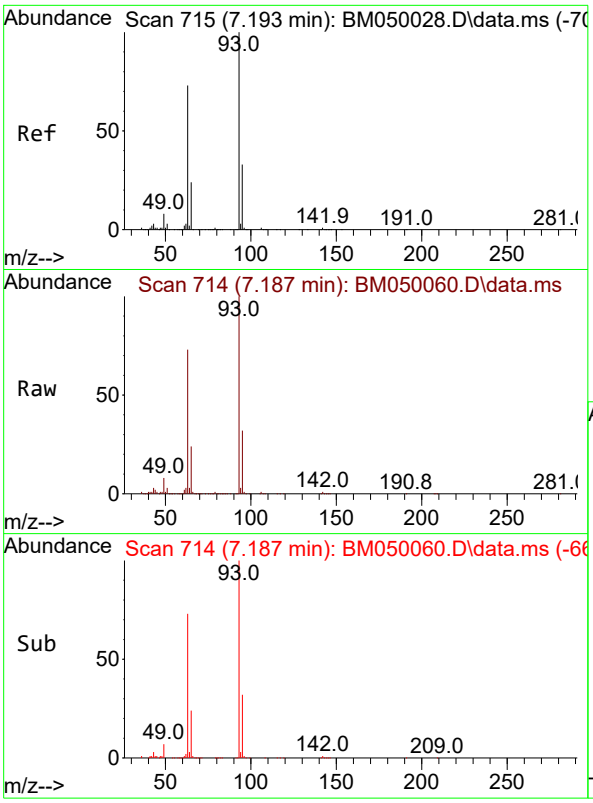


#10
Phenol
Concen: 45.387 ng
RT: 6.975 min Scan# 678
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion: 94 Resp: 869006

Ion	Ratio	Lower	Upper
94	100		
65	27.1	7.6	47.6
66	34.7	15.8	55.8



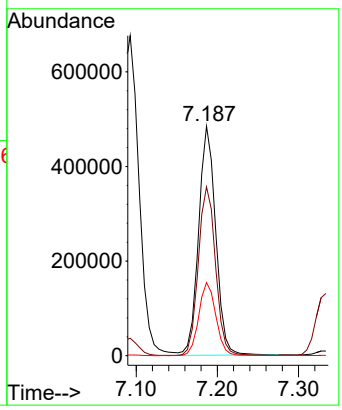


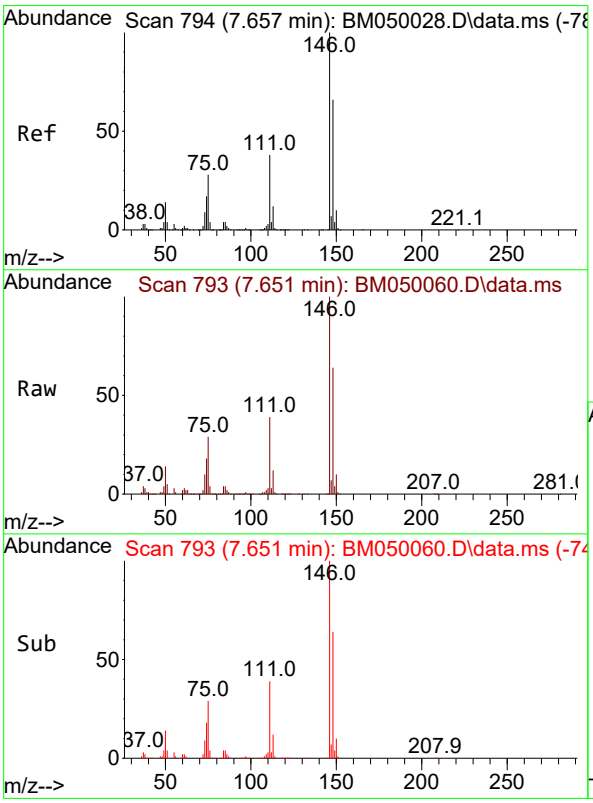
#11
bis(2-Chloroethyl)ether
Concen: 44.278 ng
RT: 7.187 min Scan# 7
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 93 Resp: 707899

Ion	Ratio	Lower	Upper
93	100		
63	73.5	52.3	92.3
95	31.9	12.8	52.8

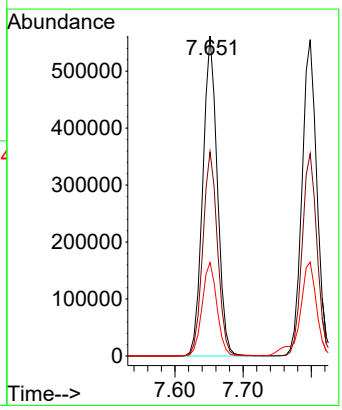


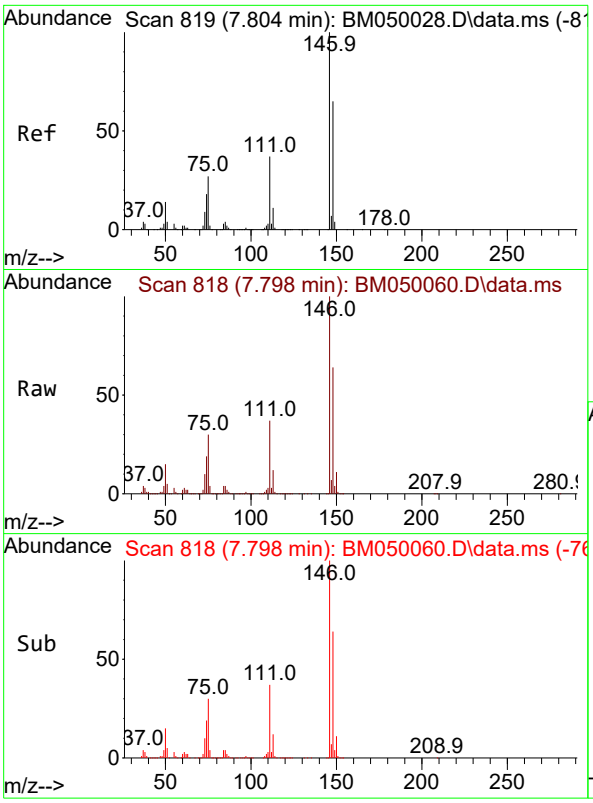


#12
1,3-Dichlorobenzene
Concen: 42.389 ng
RT: 7.651 min Scan# 793
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion:146 Resp: 833099

Ion	Ratio	Lower	Upper
146	100		
148	63.8	52.5	78.7
75	29.2	22.6	34.0



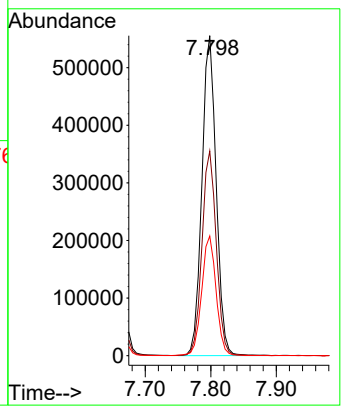


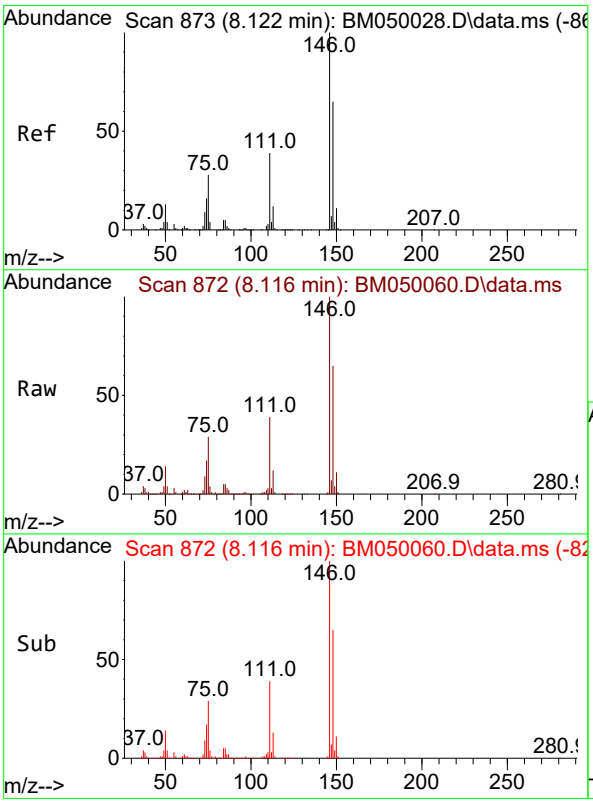
#13
1,4-Dichlorobenzene
Concen: 42.607 ng
RT: 7.798 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:146 Resp: 841242

Ion	Ratio	Lower	Upper
146	100		
148	64.0	52.2	78.2
111	37.4	29.3	43.9

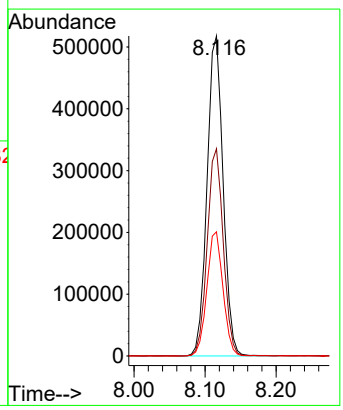


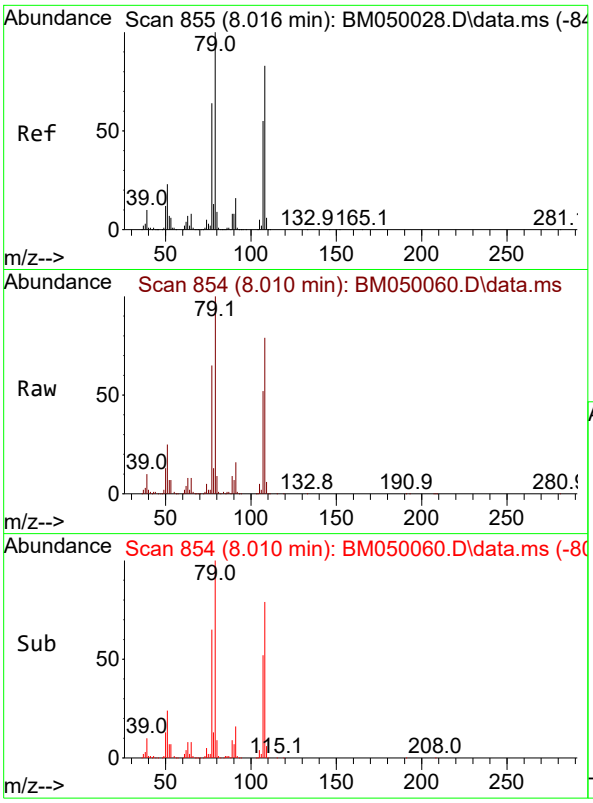


#14
1,2-Dichlorobenzene
Concen: 42.679 ng
RT: 8.116 min Scan# 872
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion:146 Resp: 813993

Ion	Ratio	Lower	Upper
146	100		
148	64.7	52.4	78.6
111	38.8	31.0	46.6



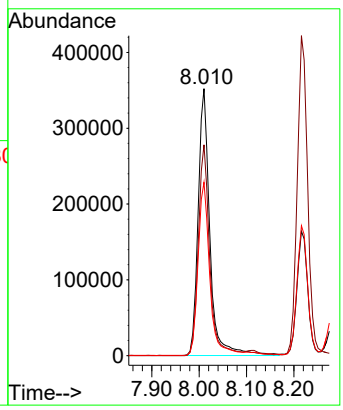


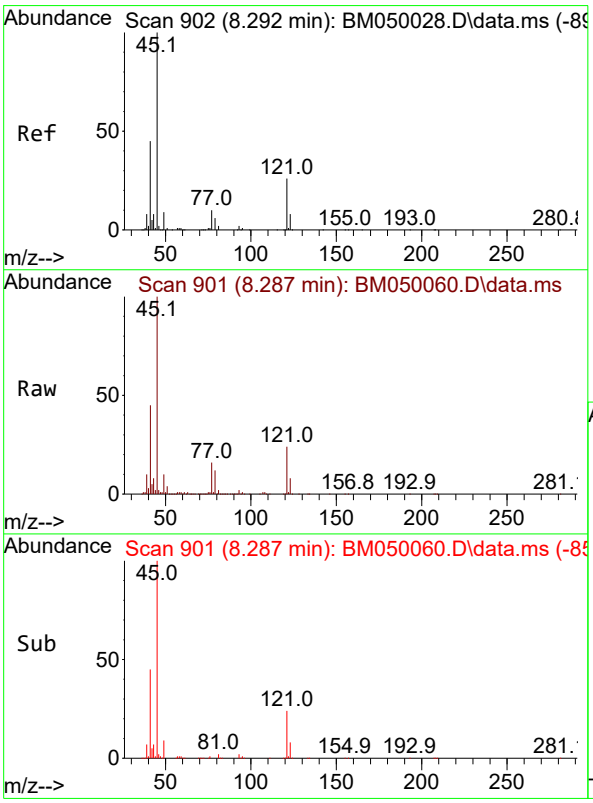
#15
Benzyl Alcohol
Concen: 46.353 ng
RT: 8.010 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 607971

Ion	Ratio	Lower	Upper
79	100		
108	79.0	66.0	99.0
77	65.0	51.6	77.4

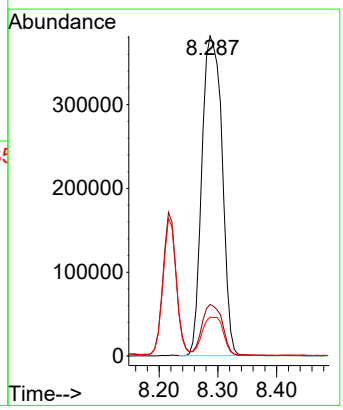


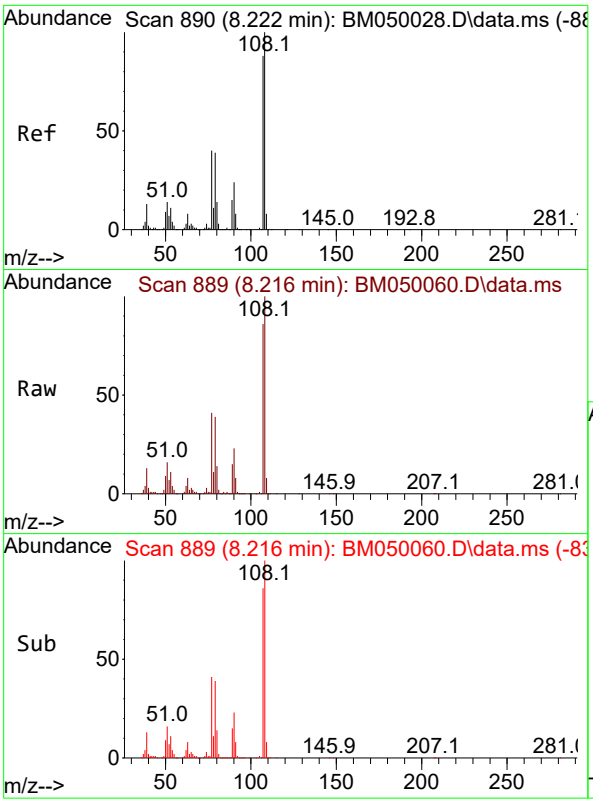


#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.627 ng
RT: 8.287 min Scan# 901
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion: 45 Resp: 906162

Ion	Ratio	Lower	Upper
45	100		
77	16.1	0.0	36.4
79	12.1	0.0	32.7



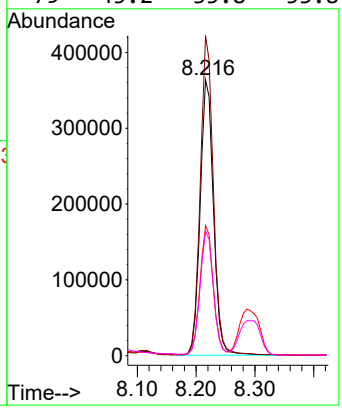


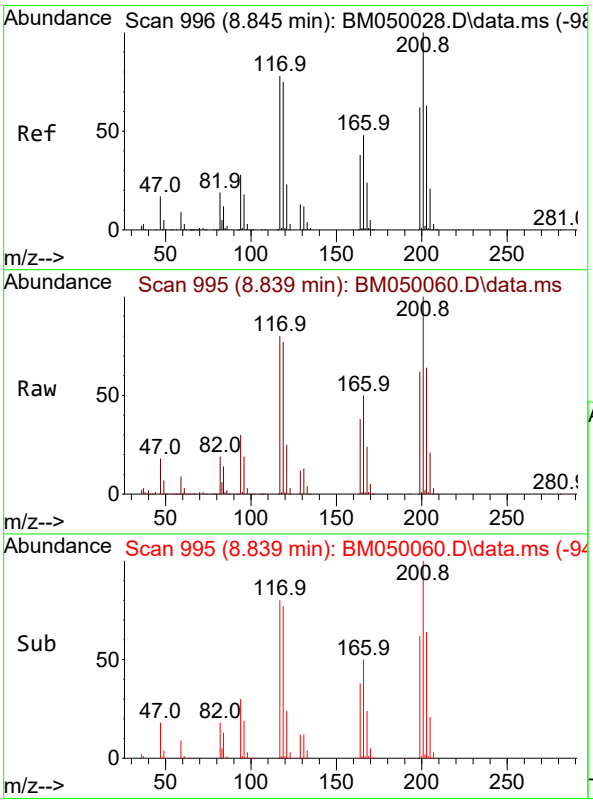
#17
2-Methylphenol
Concen: 45.066 ng
RT: 8.216 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:107 Resp: 568424

Ion	Ratio	Lower	Upper
107	100		
108	116.0	91.1	136.7
77	47.1	36.2	54.4
79	45.2	35.8	53.8

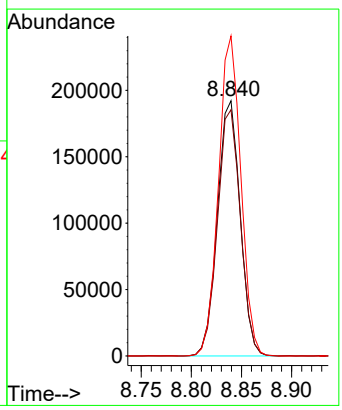


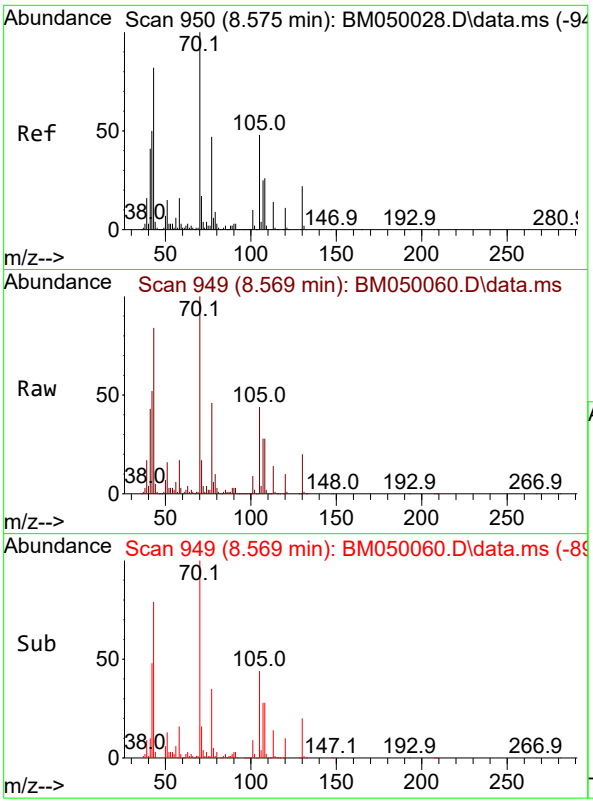


#18
Hexachloroethane
Concen: 43.323 ng
RT: 8.839 min Scan# 995
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion:117 Resp: 304075

Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.3	115.9
201	125.4	102.8	154.2



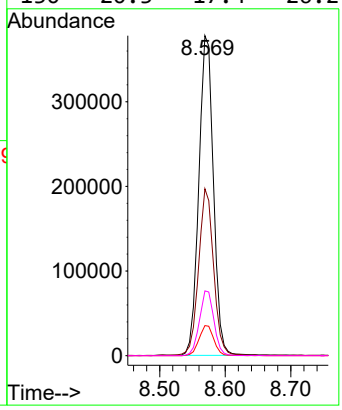


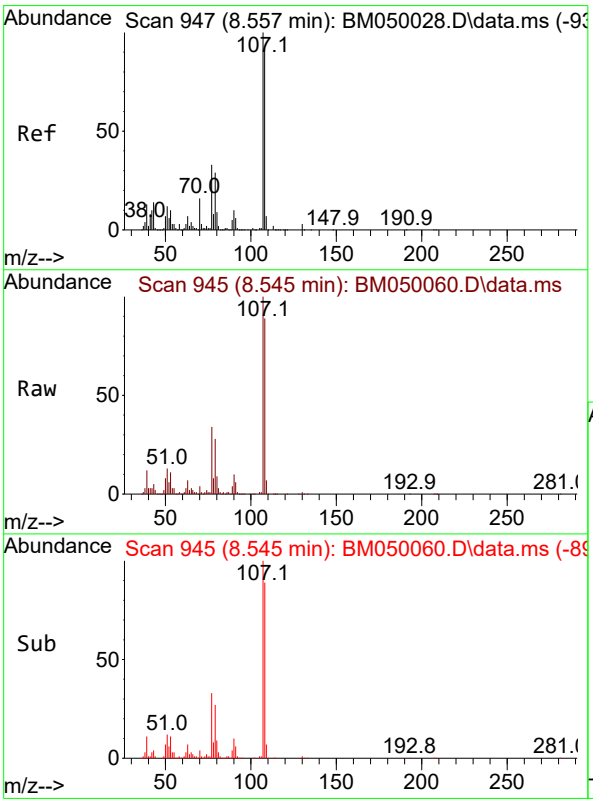
#19
n-Nitroso-di-n-propylamine
Concen: 48.276 ng
RT: 8.569 min Scan# 94
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 70 Resp: 585592

Ion	Ratio	Lower	Upper
70	100		
42	52.1	40.5	60.7
101	9.4	7.8	11.6
130	20.3	17.4	26.2

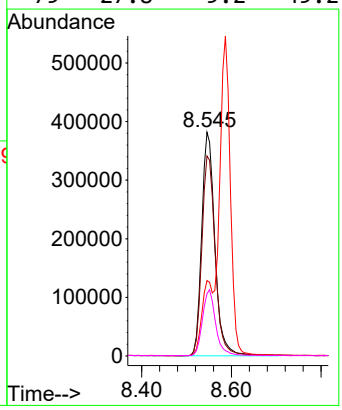


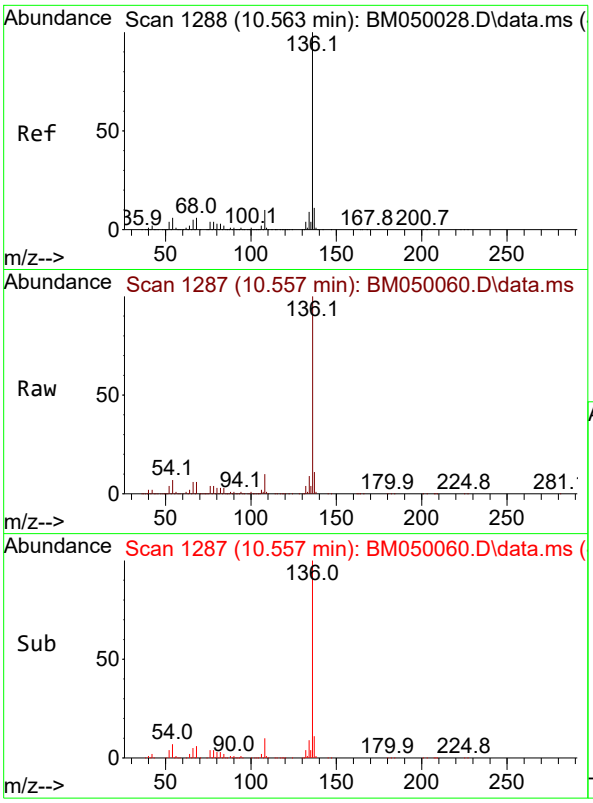


#20
3+4-Methylphenols
Concen: 45.564 ng
RT: 8.545 min Scan# 945
Delta R.T. -0.012 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion:107 Resp: 776116

Ion	Ratio	Lower	Upper
107	100		
108	89.4	72.4	112.4
77	33.7	13.6	53.6
79	27.8	9.2	49.2



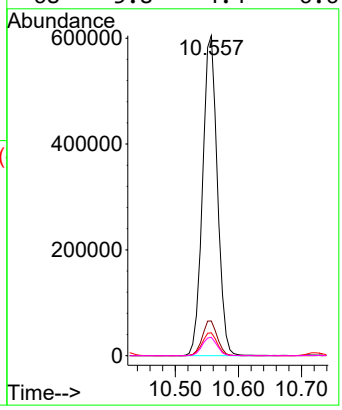


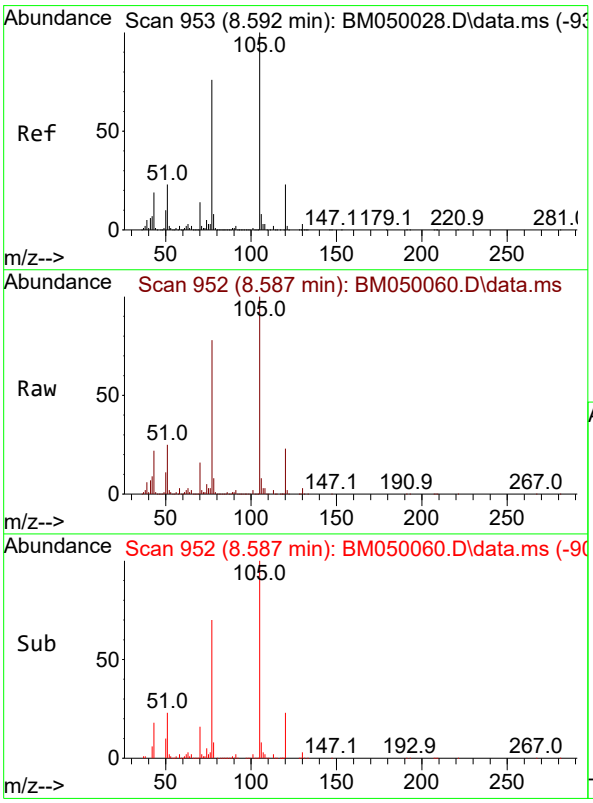
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:136 Resp: 983533

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.2	5.1	7.7
68	5.8	4.4	6.6

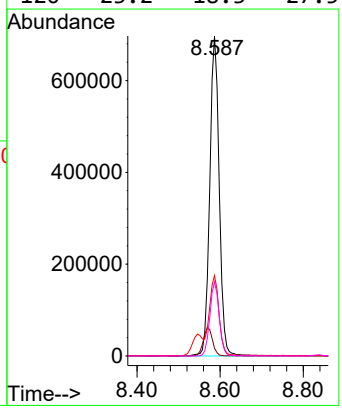


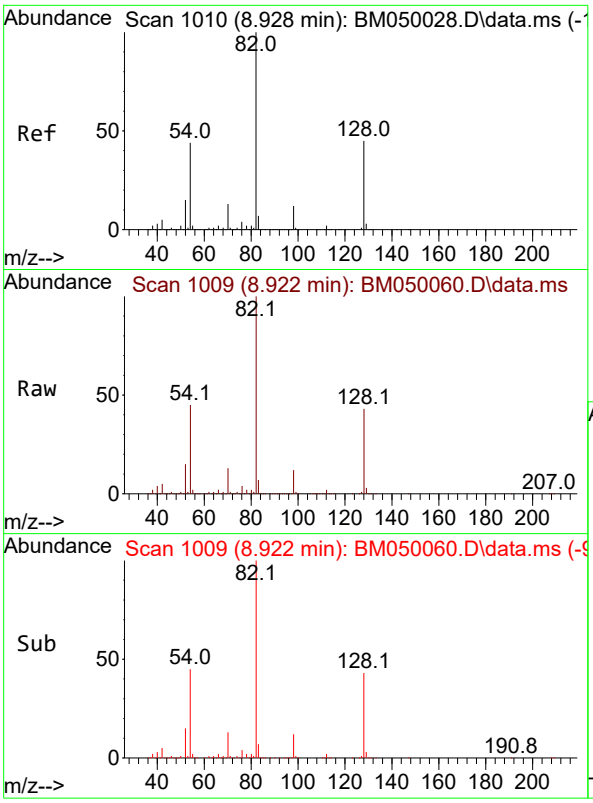


#22
Acetophenone
Concen: 45.073 ng
RT: 8.587 min Scan# 952
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion:105 Resp: 1102142

Ion	Ratio	Lower	Upper
105	100		
71	2.4	1.7	2.5
51	25.1	18.6	27.8
120	23.2	18.3	27.5



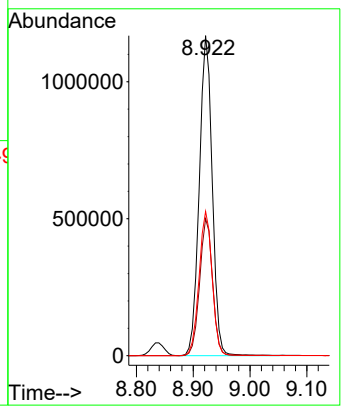


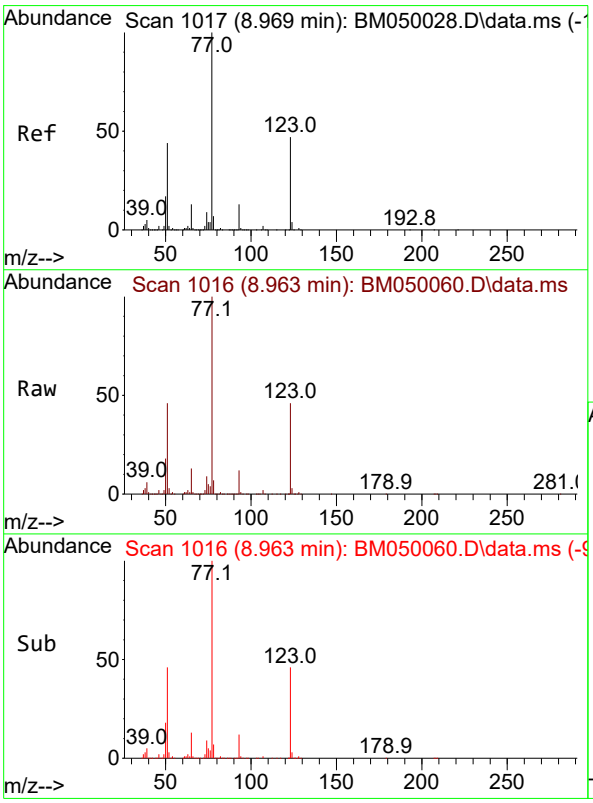
#23
Nitrobenzene-d5
Concen: 92.740 ng
RT: 8.922 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 1851040

Ion	Ratio	Lower	Upper
82	100		
128	42.8	35.7	53.5
54	45.1	35.4	53.2

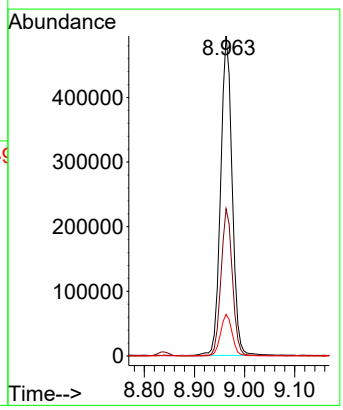


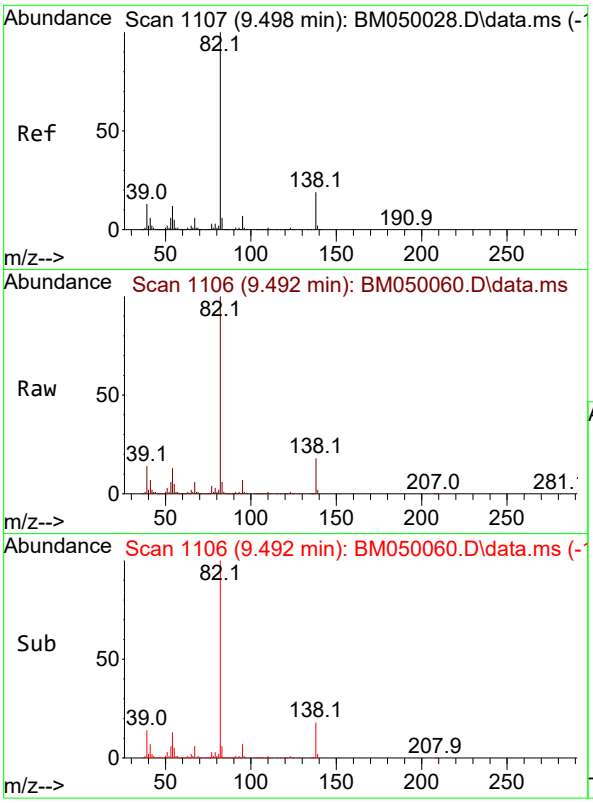


#24
Nitrobenzene
Concen: 45.805 ng
RT: 8.963 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion: 77 Resp: 790507

Ion	Ratio	Lower	Upper
77	100		
123	46.0	37.9	56.9
65	13.0	10.1	15.1



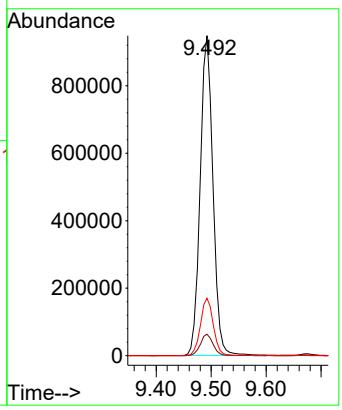


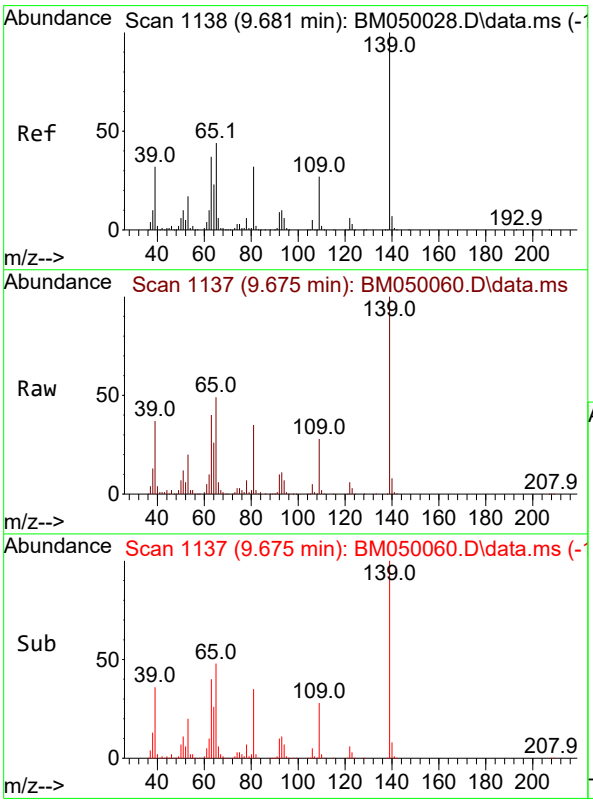
#25
Isophorone
Concen: 45.101 ng
RT: 9.492 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 1534483

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.7	8.5
138	17.9	15.5	23.3

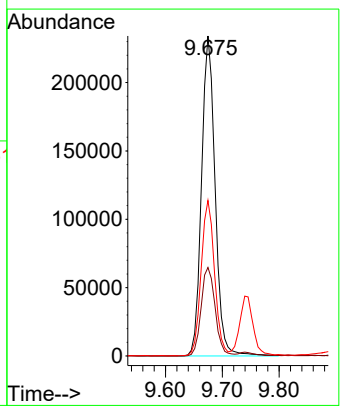


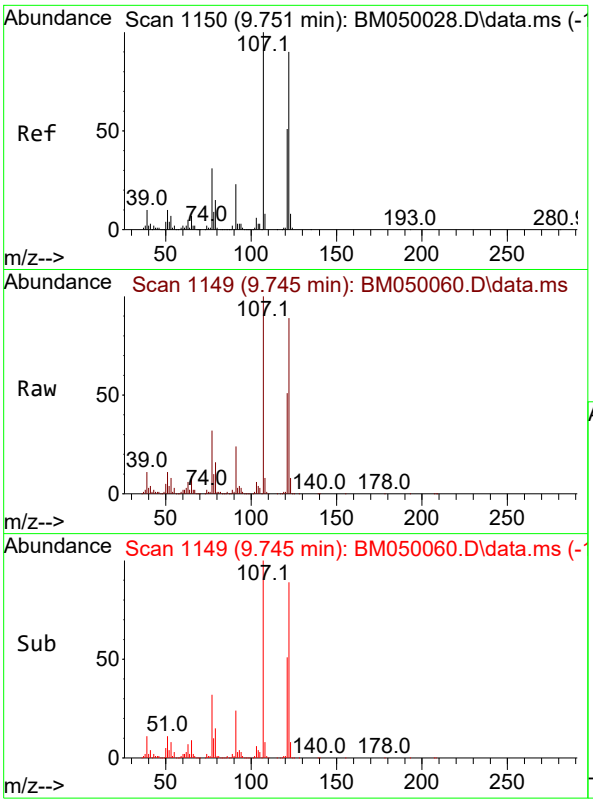


#26
2-Nitrophenol
Concen: 44.073 ng
RT: 9.675 min Scan# 1137
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion:139 Resp: 388580

Ion	Ratio	Lower	Upper
139	100		
109	27.7	21.9	32.9
65	48.6	35.4	53.2



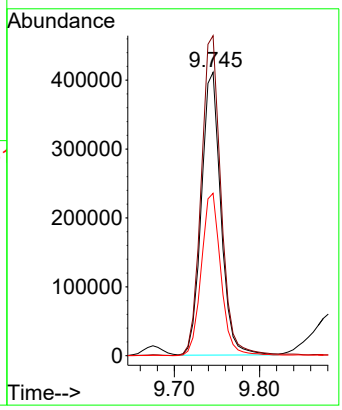


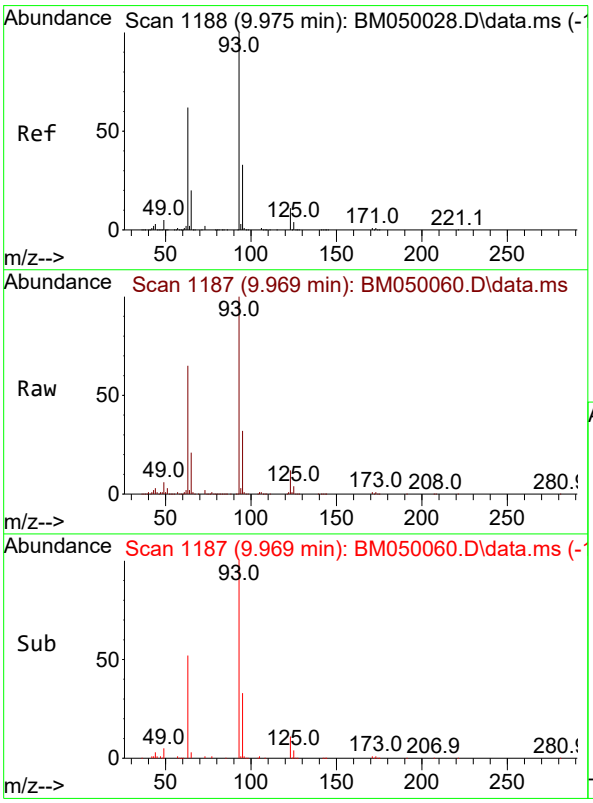
#27
2,4-Dimethylphenol
Concen: 44.448 ng
RT: 9.745 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:122 Resp: 649897

Ion	Ratio	Lower	Upper
122	100		
107	112.9	89.0	133.6
121	57.3	45.6	68.4

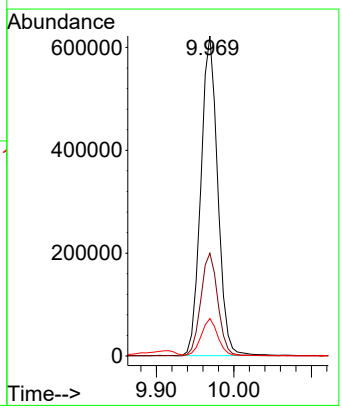


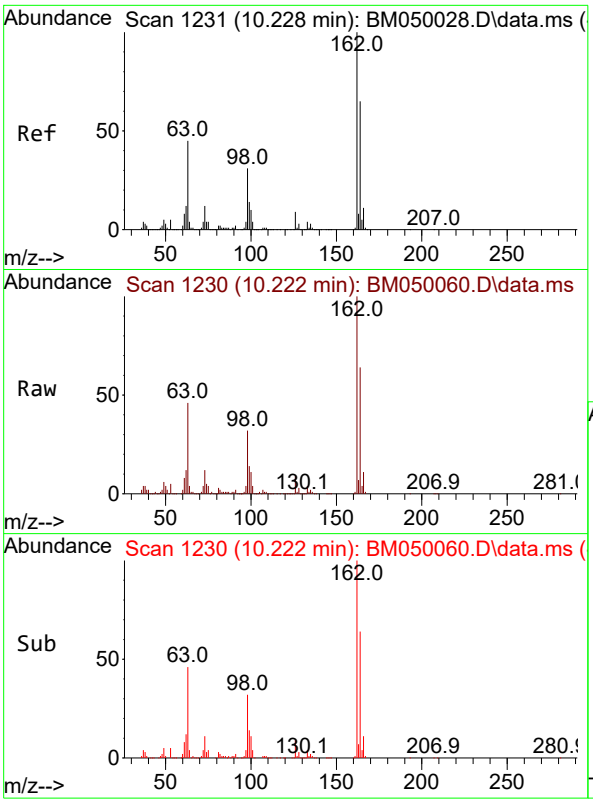


#28
bis(2-Chloroethoxy)methane
Concen: 44.603 ng
RT: 9.969 min Scan# 1187
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion: 93 Resp: 937950

Ion	Ratio	Lower	Upper
93	100		
95	32.1	26.1	39.1
123	11.7	9.5	14.3



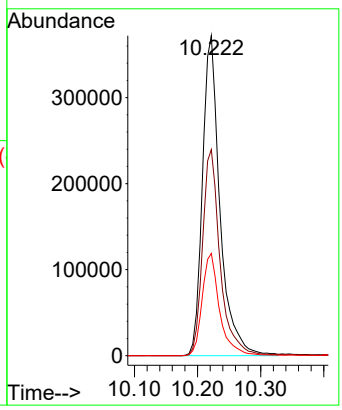


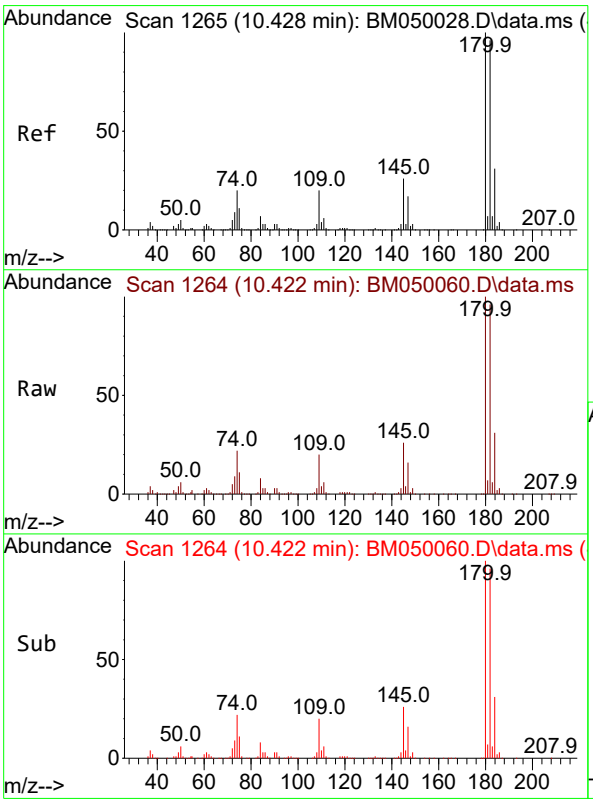
#29
2,4-Dichlorophenol
Concen: 43.874 ng
RT: 10.222 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 718660

Ion	Ratio	Lower	Upper
162	100		
164	64.4	45.4	85.4
98	31.9	11.3	51.3

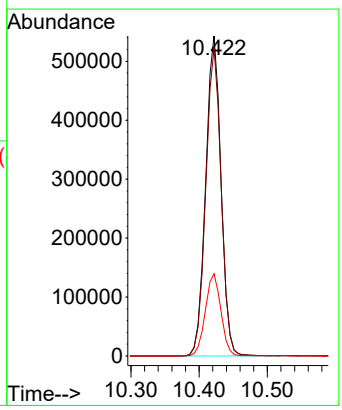


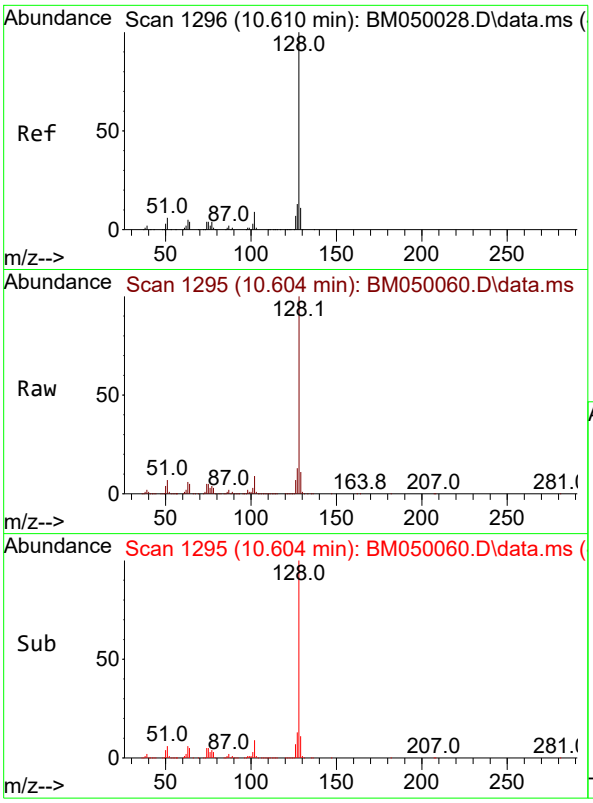


#30
1,2,4-Trichlorobenzene
Concen: 42.620 ng
RT: 10.422 min Scan# 1264
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion:180 Resp: 850560

Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.0	115.4
145	25.7	20.6	30.8



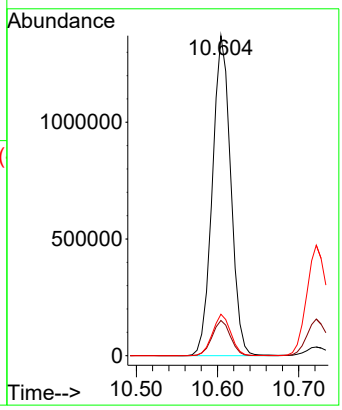


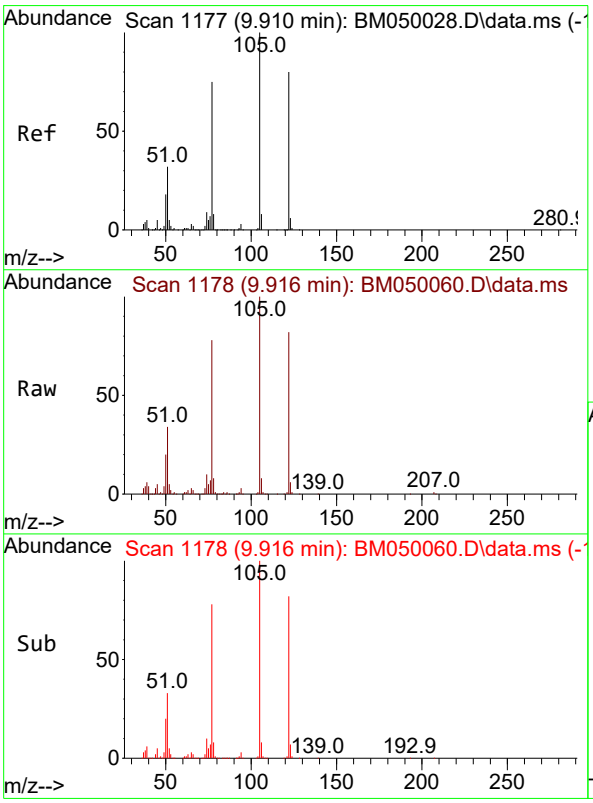
#31
Naphthalene
Concen: 43.296 ng
RT: 10.604 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:128 Resp: 2156534

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	12.9	10.4	15.6

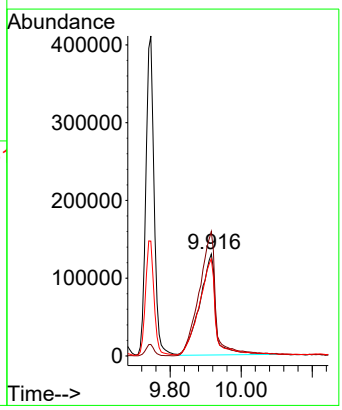


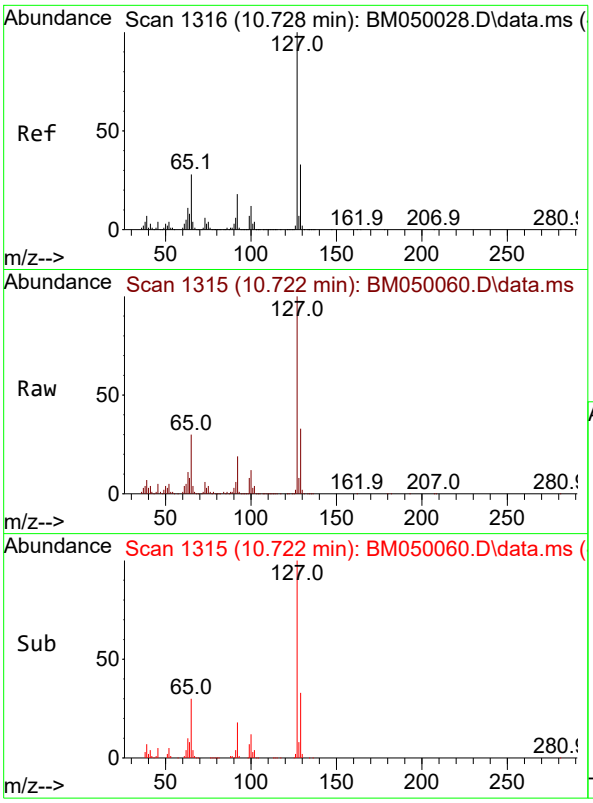


#32
Benzoic acid
Concen: 44.186 ng
RT: 9.916 min Scan# 1178
Delta R.T. 0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion:122 Resp: 413198

Ion	Ratio	Lower	Upper
122	100		
105	122.1	103.6	143.6
77	95.3	73.7	113.7



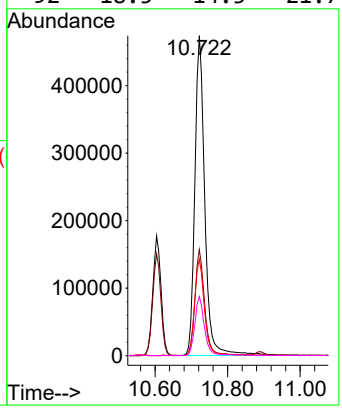


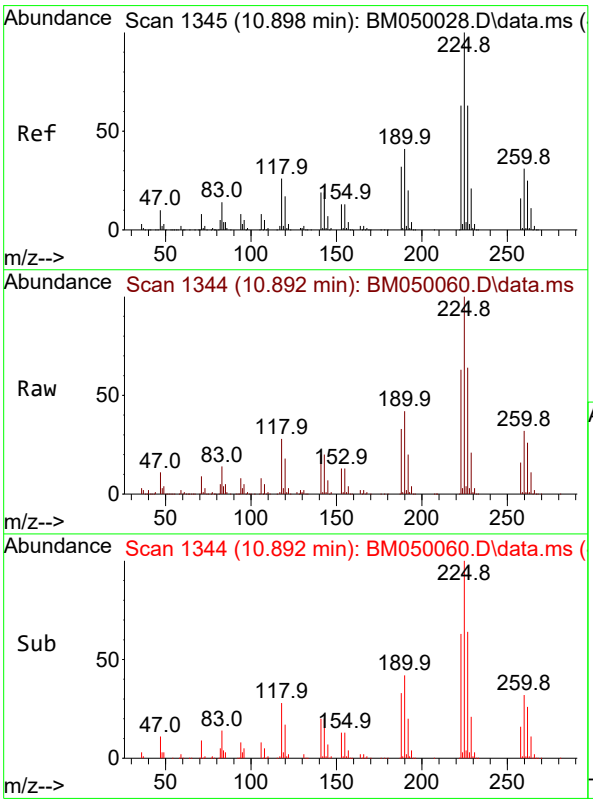
#33
4-Chloroaniline
Concen: 44.326 ng
RT: 10.722 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:127 Resp: 904944

Ion	Ratio	Lower	Upper
127	100		
129	33.2	26.3	39.5
65	30.1	22.5	33.7
92	18.5	14.5	21.7

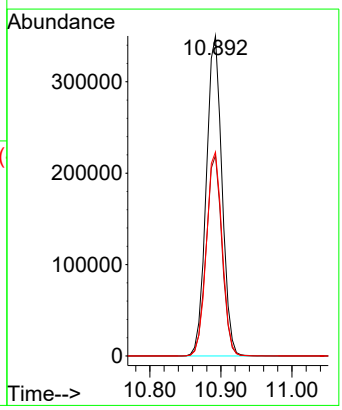


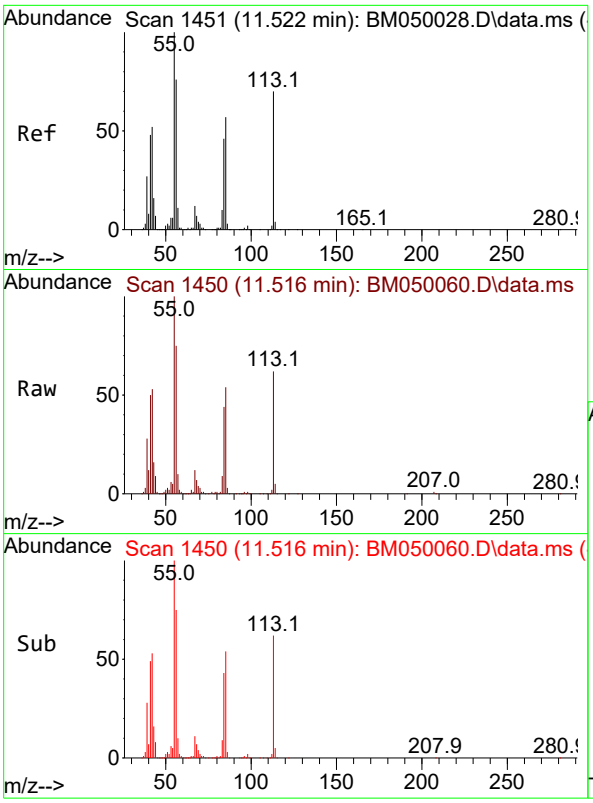


#34
Hexachlorobutadiene
Concen: 42.435 ng
RT: 10.892 min Scan# 1344
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion:225 Resp: 537570

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.2	75.2
227	63.8	50.6	76.0



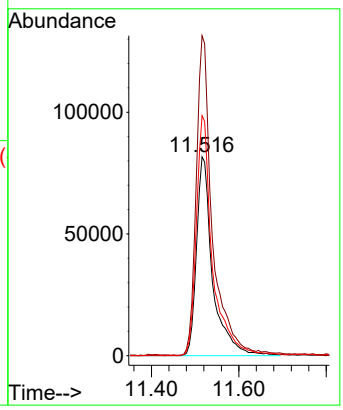


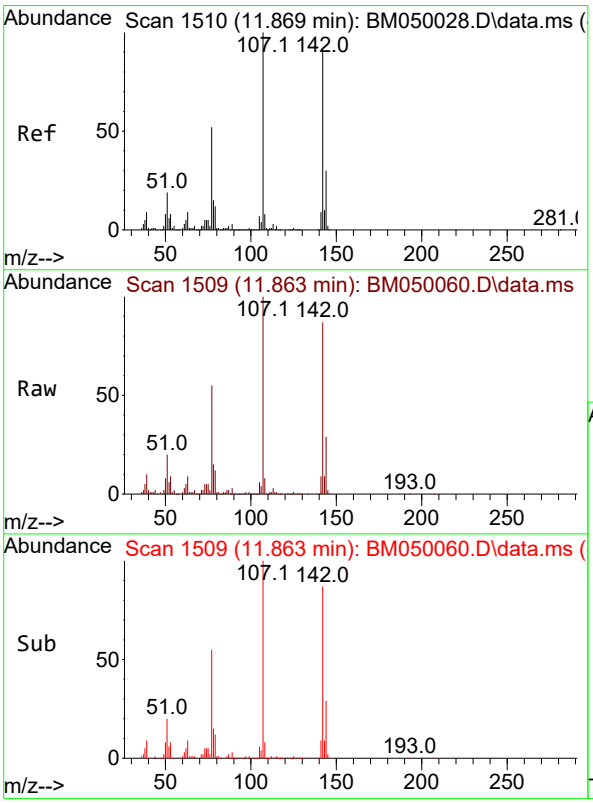
#35
Caprolactam
Concen: 43.889 ng
RT: 11.516 min Scan# 14
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:113 Resp: 209617

Ion	Ratio	Lower	Upper
113	100		
55	160.9	122.9	162.9
56	120.7	88.1	128.1

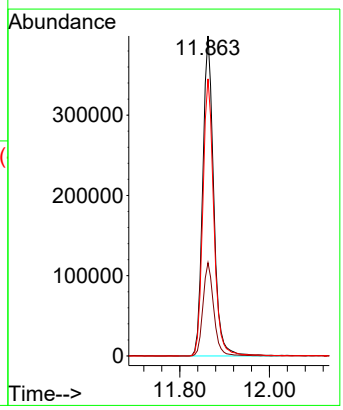


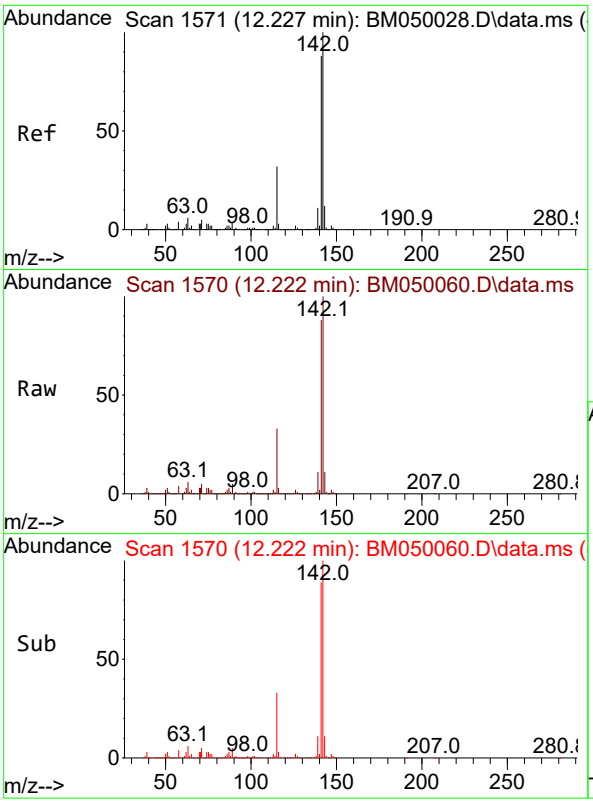


#36
4-Chloro-3-methylphenol
Concen: 44.613 ng
RT: 11.863 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion:107 Resp: 675157

Ion	Ratio	Lower	Upper
107	100		
144	29.1	23.8	35.6
142	86.6	71.9	107.9



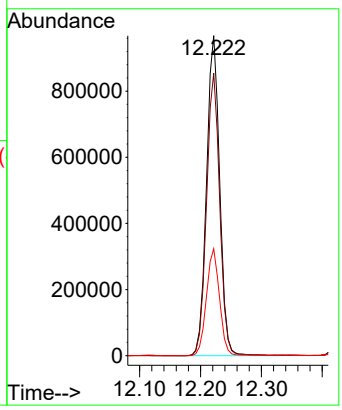


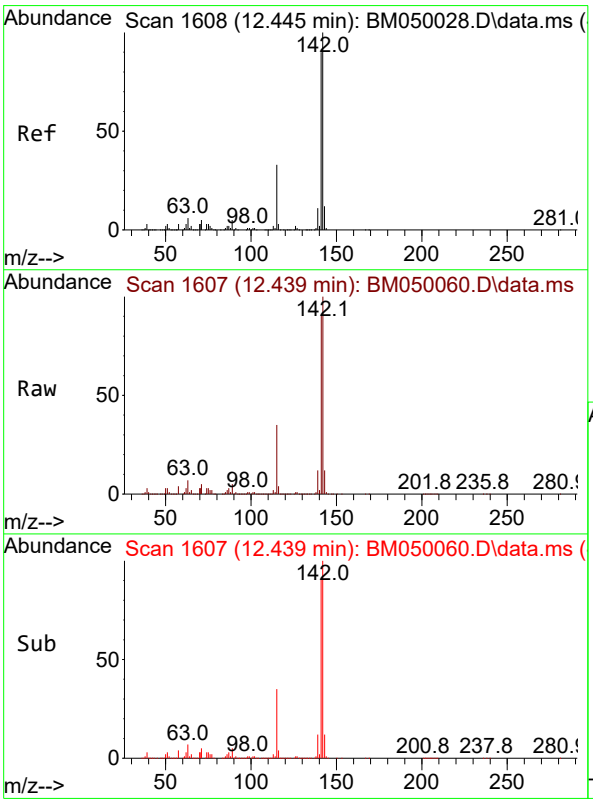
#37
2-Methylnaphthalene
Concen: 43.410 ng
RT: 12.222 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:142 Resp: 1449626

Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.4	105.6
115	33.4	25.4	38.2

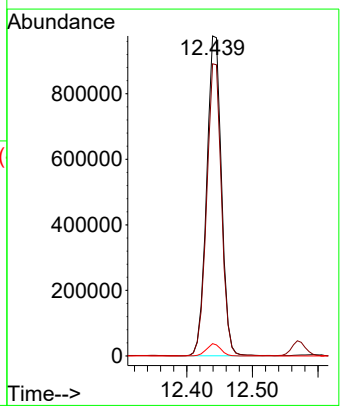


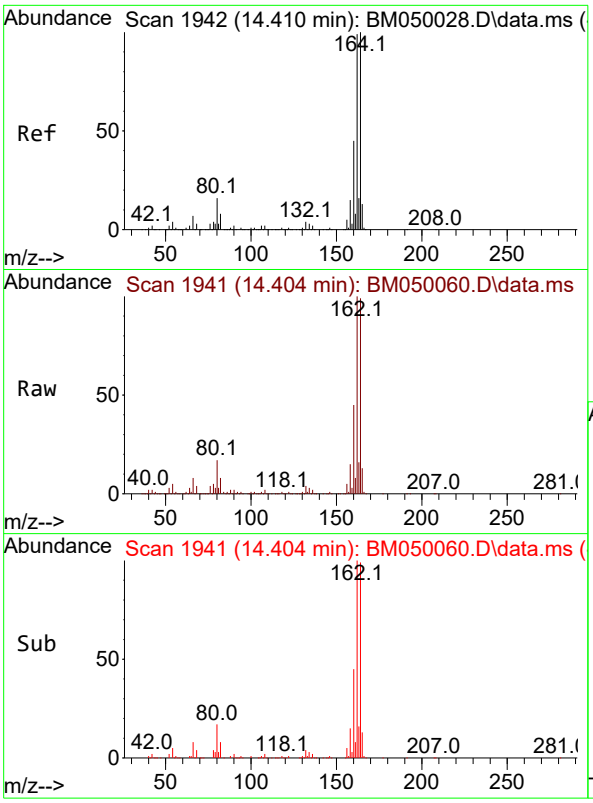


#38
1-Methylnaphthalene
Concen: 43.328 ng
RT: 12.439 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion:142 Resp: 1531227

Ion	Ratio	Lower	Upper
142	100		
141	91.3	72.1	108.1
116	3.9	2.7	4.1



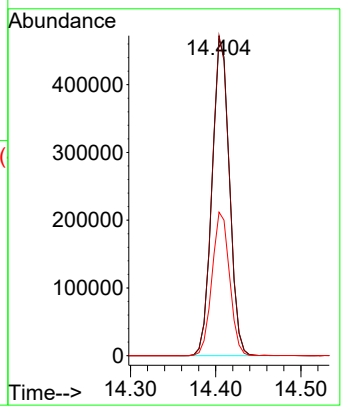


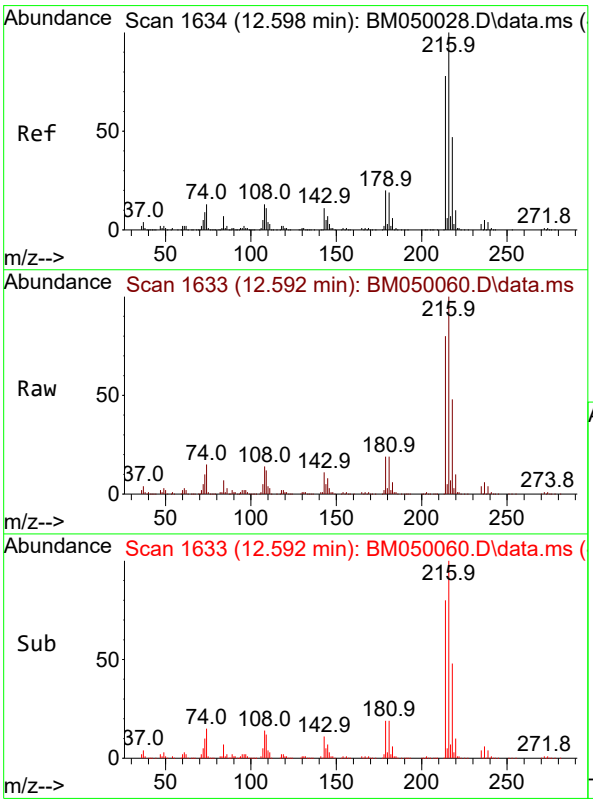
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:164 Resp: 662235

Ion	Ratio	Lower	Upper
164	100		
162	100.9	79.4	119.0
160	45.2	36.2	54.4

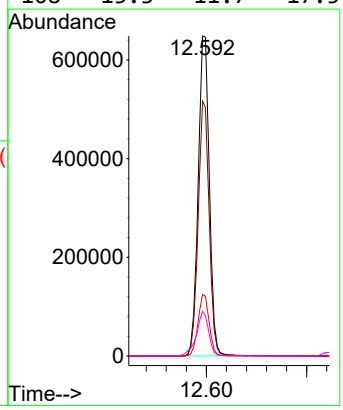


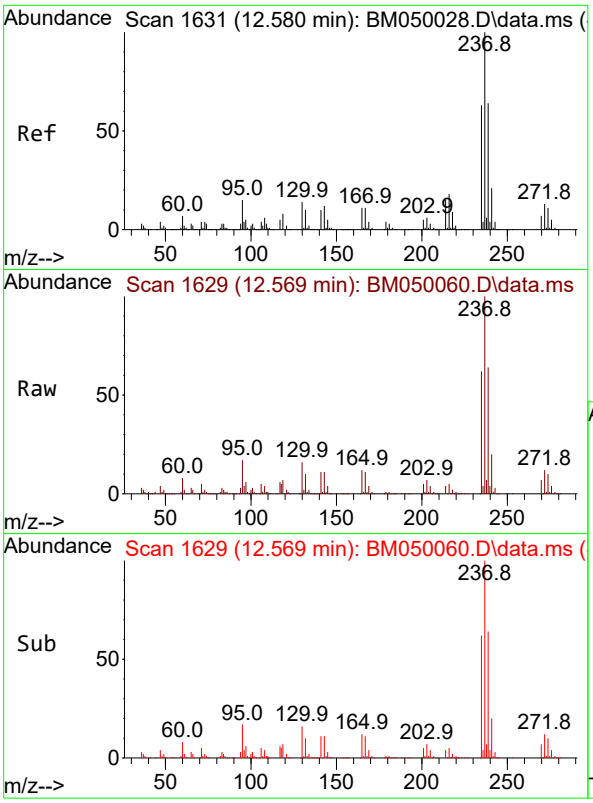


#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.606 ng
RT: 12.592 min Scan# 1633
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion:216 Resp: 999649

Ion	Ratio	Lower	Upper
216	100		
214	78.7	62.3	93.5
179	19.2	15.4	23.0
108	15.3	11.7	17.5



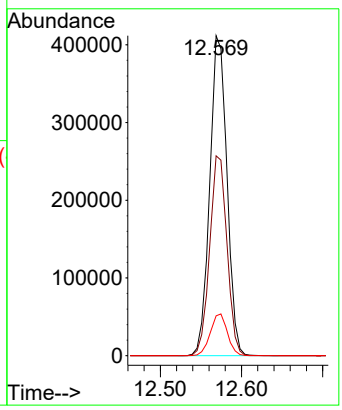


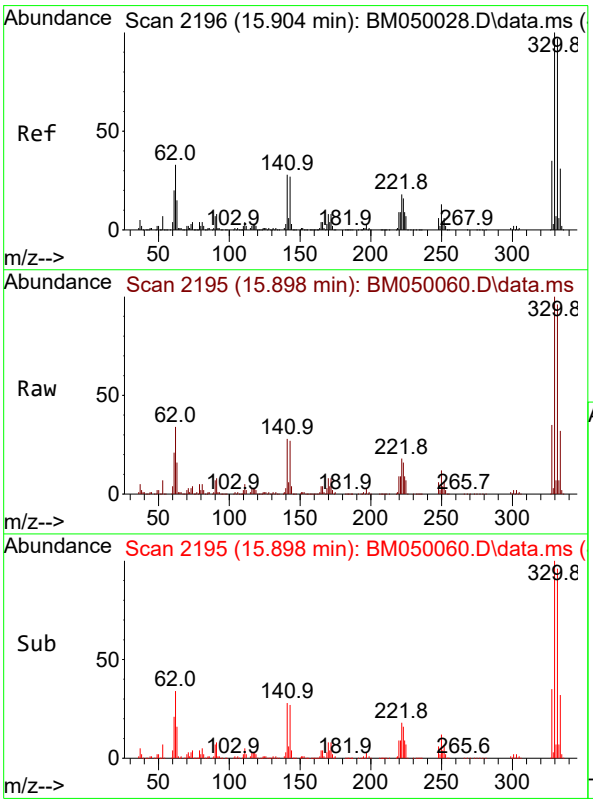
#41
Hexachlorocyclopentadiene
Concen: 43.190 ng
RT: 12.569 min Scan# 1
Delta R.T. -0.011 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:237 Resp: 605084

Ion	Ratio	Lower	Upper
237	100		
235	62.4	42.9	82.9
272	12.5	0.0	32.9

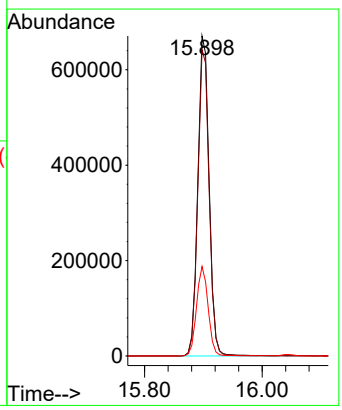


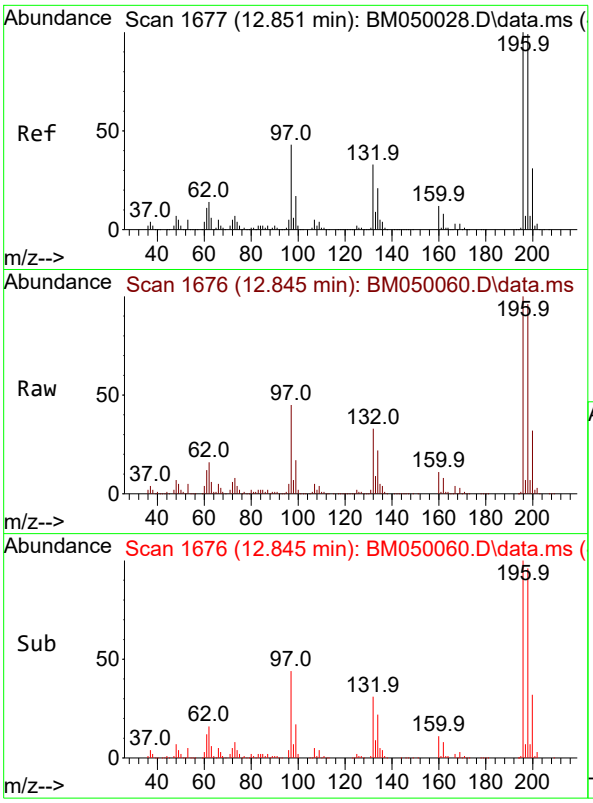


#42
2,4,6-Tribromophenol
Concen: 91.303 ng
RT: 15.898 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion:330 Resp: 894040

Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.3	115.9
141	28.7	22.5	33.7



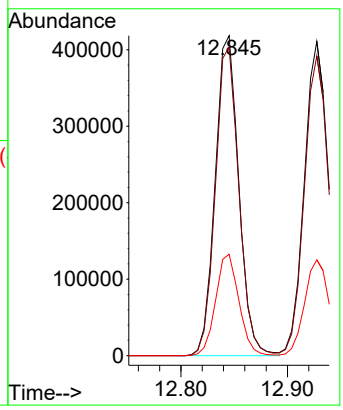


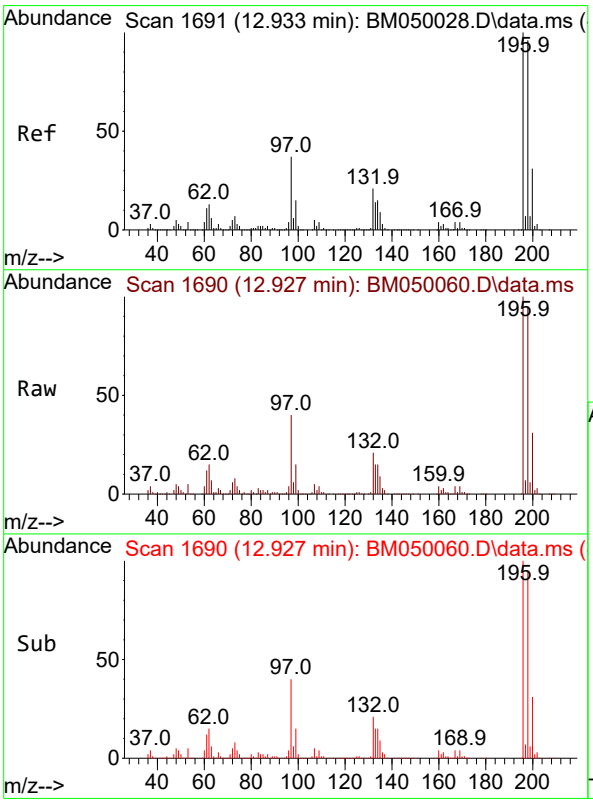
#43
2,4,6-Trichlorophenol
Concen: 44.282 ng
RT: 12.845 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:196 Resp: 643878

Ion	Ratio	Lower	Upper
196	100		
198	96.5	79.0	118.6
200	31.7	25.1	37.7

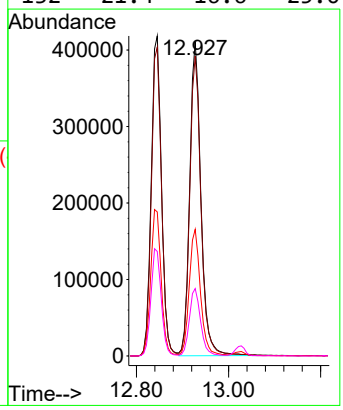


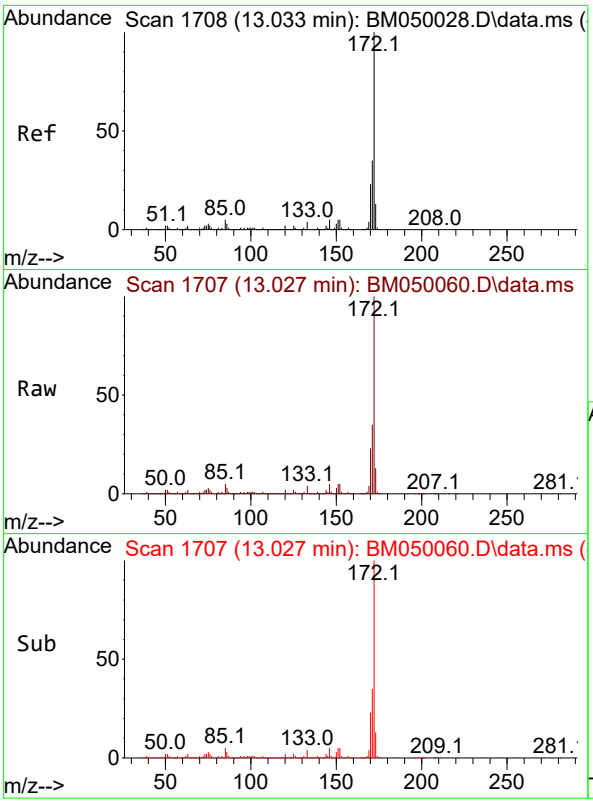


#44
2,4,5-Trichlorophenol
Concen: 44.411 ng
RT: 12.927 min Scan# 1690
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion:196 Resp: 696343

Ion	Ratio	Lower	Upper
196	100		
198	95.4	76.7	115.1
97	40.3	30.1	45.1
132	21.4	16.6	25.0



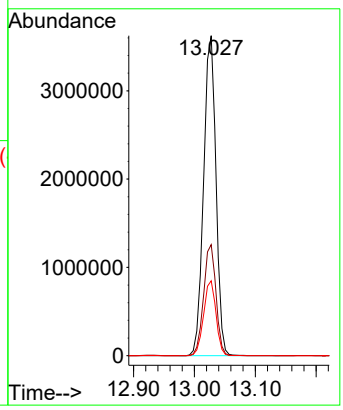


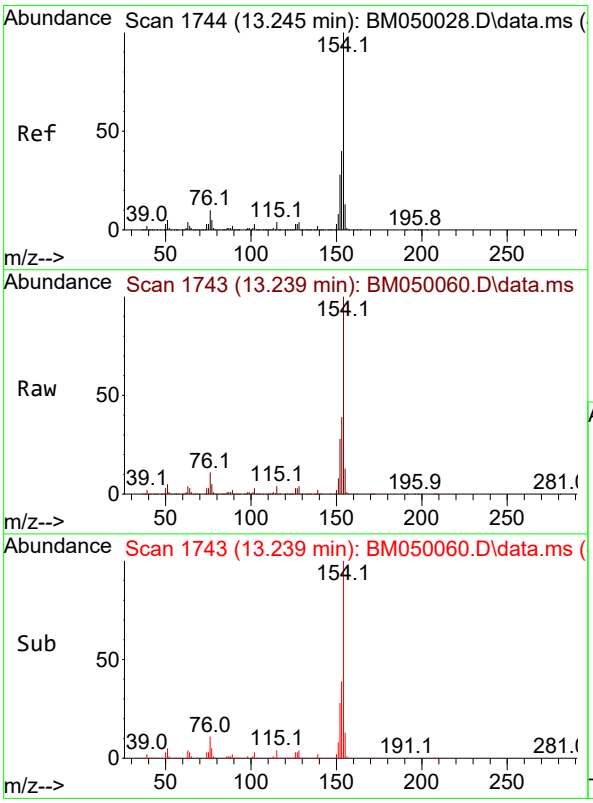
#45
2-Fluorobiphenyl
Concen: 91.278 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:172 Resp: 5109751

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.8	41.6
170	23.4	18.6	28.0

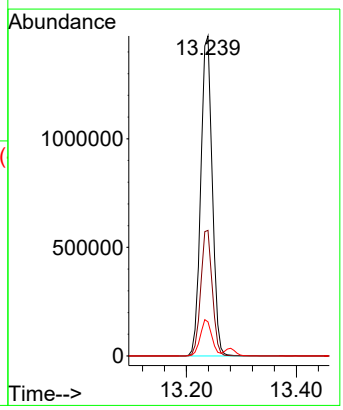


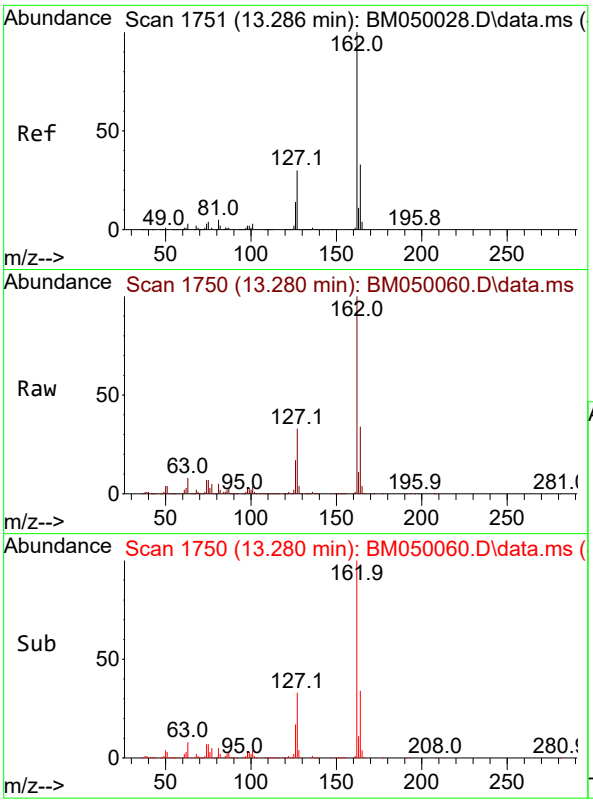


#46
1,1'-Biphenyl
Concen: 43.489 ng
RT: 13.239 min Scan# 1743
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion:154 Resp: 2140855

Ion	Ratio	Lower	Upper
154	100		
153	39.3	20.0	60.0
76	10.7	0.0	30.3



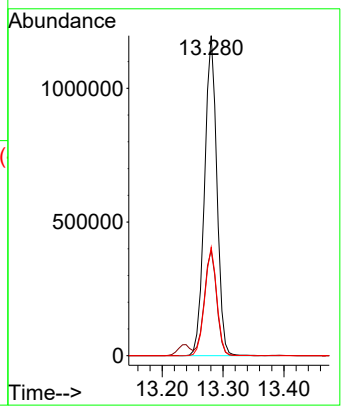


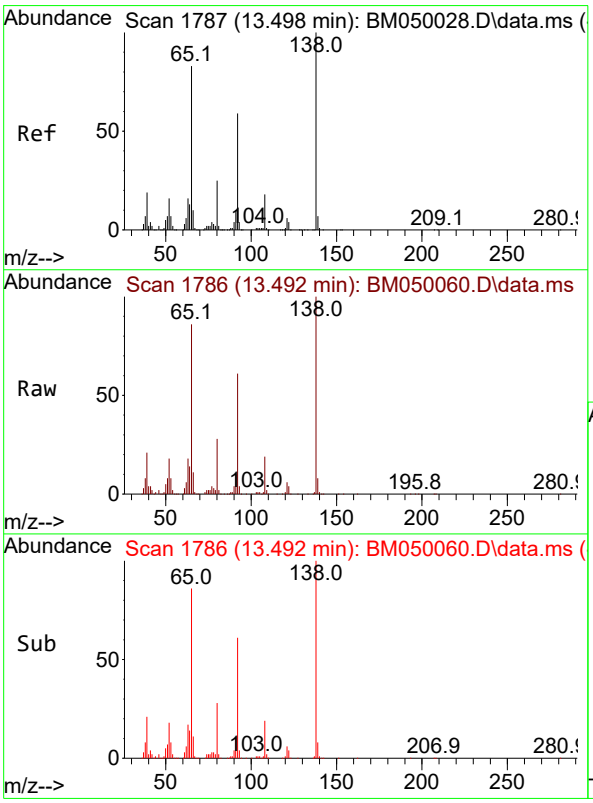
#47
2-Chloronaphthalene
Concen: 43.168 ng
RT: 13.280 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 1683033

Ion	Ratio	Lower	Upper
162	100		
127	32.9	25.9	38.9
164	33.9	26.6	40.0

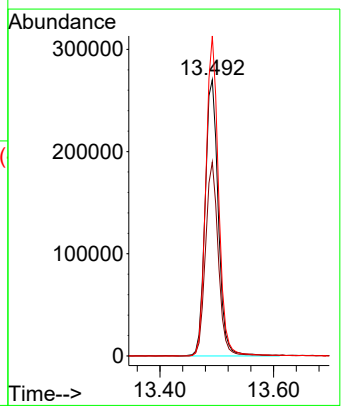


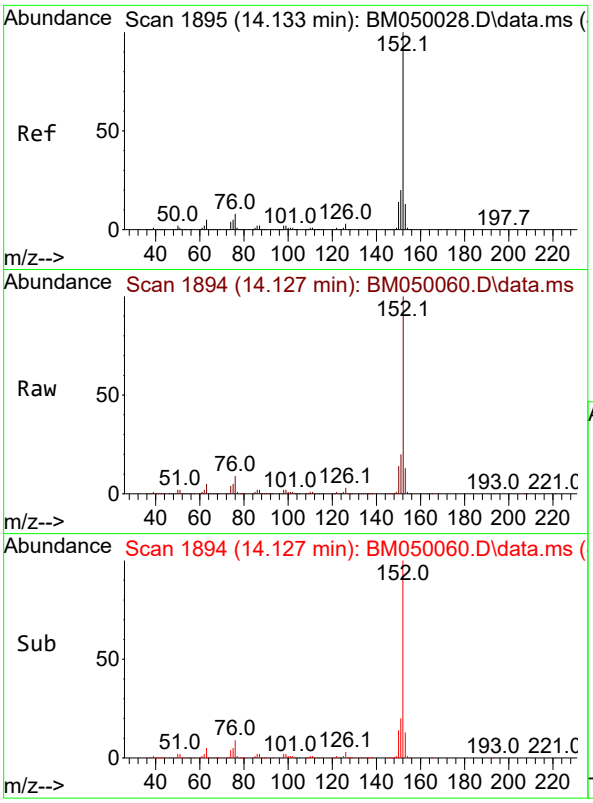


#48
2-Nitroaniline
Concen: 47.463 ng
RT: 13.492 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion: 65 Resp: 434314

Ion	Ratio	Lower	Upper
65	100		
92	70.2	57.1	85.7
138	115.9	97.0	145.4



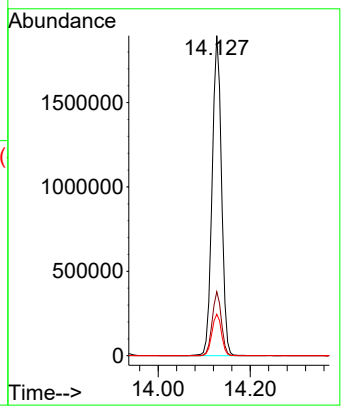


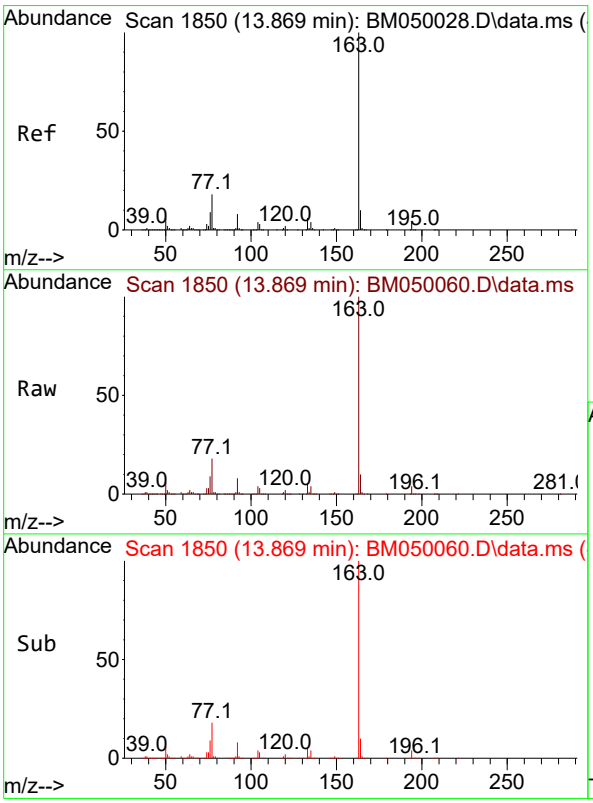
#49
Acenaphthylene
Concen: 43.515 ng
RT: 14.127 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 2674968

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.8
153	13.0	10.6	15.8

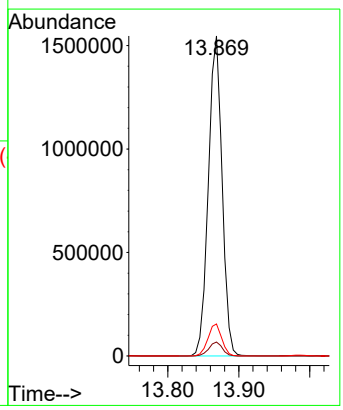


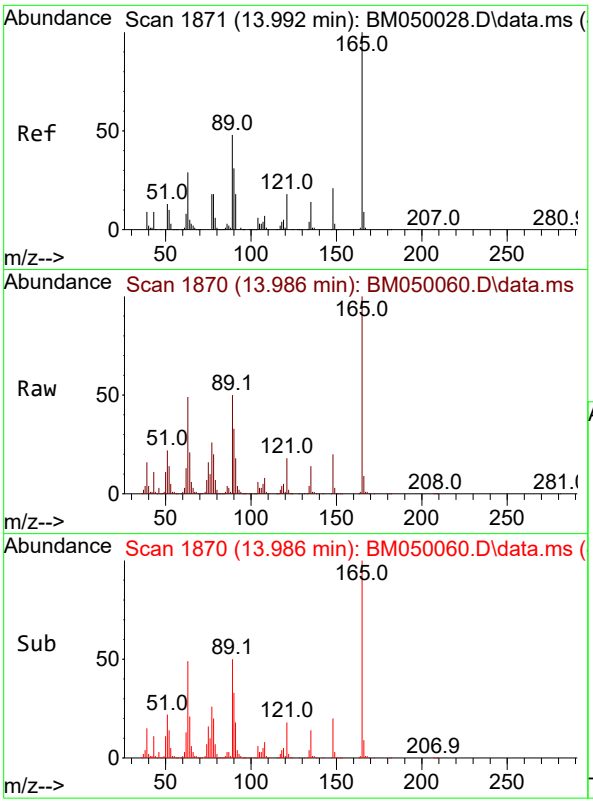


#50
Dimethylphthalate
Concen: 42.921 ng
RT: 13.869 min Scan# 1850
Delta R.T. 0.000 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion:163 Resp: 2077233

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	10.0	8.2	12.2



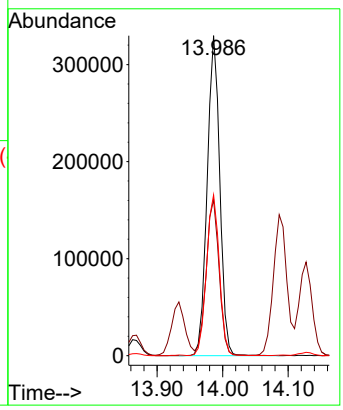


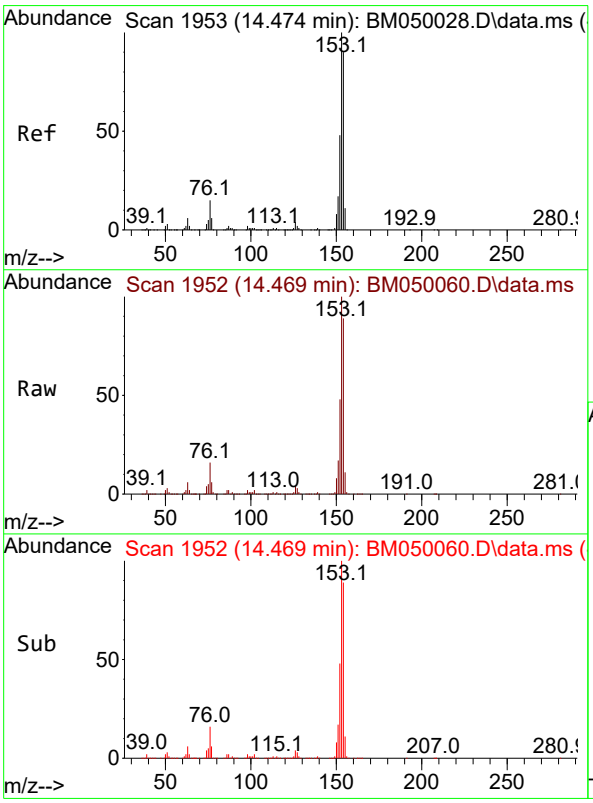
#51
2,6-Dinitrotoluene
Concen: 44.013 ng
RT: 13.986 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 441019

Ion	Ratio	Lower	Upper
165	100		
63	48.7	35.1	52.7
89	50.2	38.4	57.6

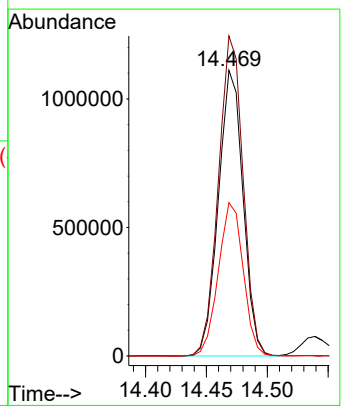


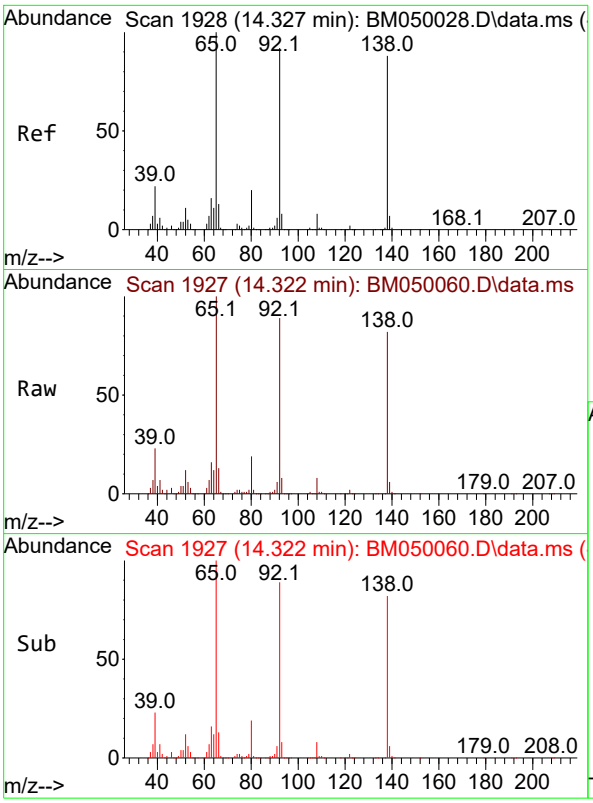


#52
Acenaphthene
Concen: 44.005 ng
RT: 14.469 min Scan# 1952
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion:154 Resp: 1565806

Ion	Ratio	Lower	Upper
154	100		
153	112.1	89.0	133.4
152	53.7	43.0	64.6



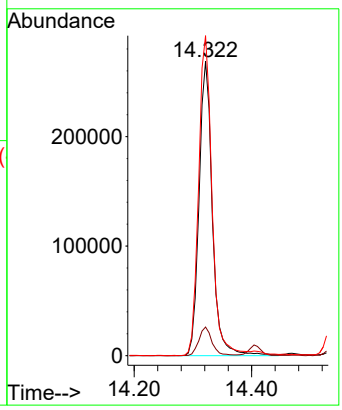


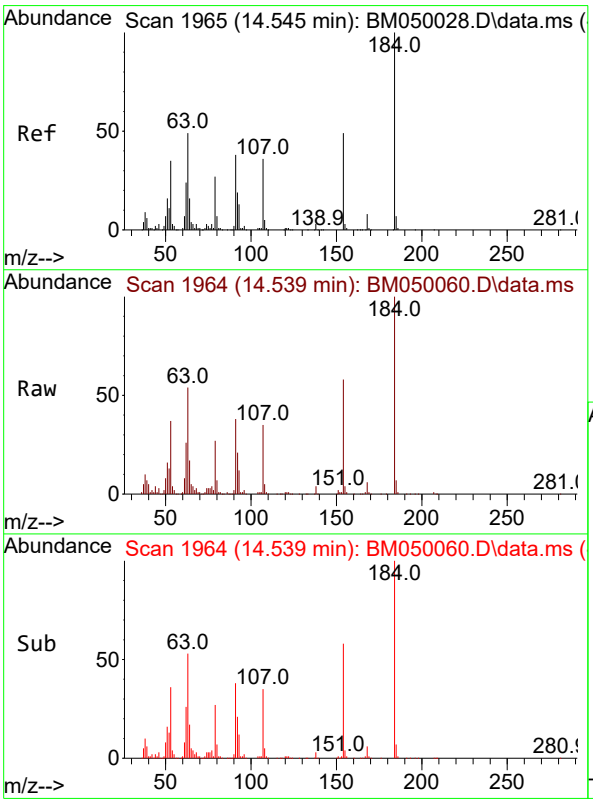
#53
3-Nitroaniline
Concen: 44.097 ng
RT: 14.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:138 Resp: 421864

Ion	Ratio	Lower	Upper
138	100		
108	9.8	7.4	11.2
92	108.8	84.0	126.0

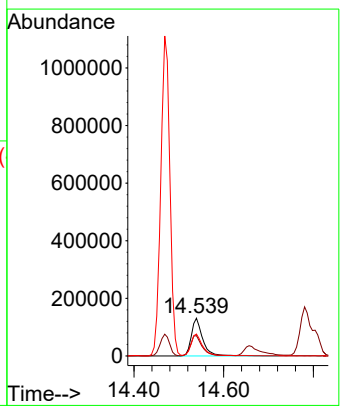


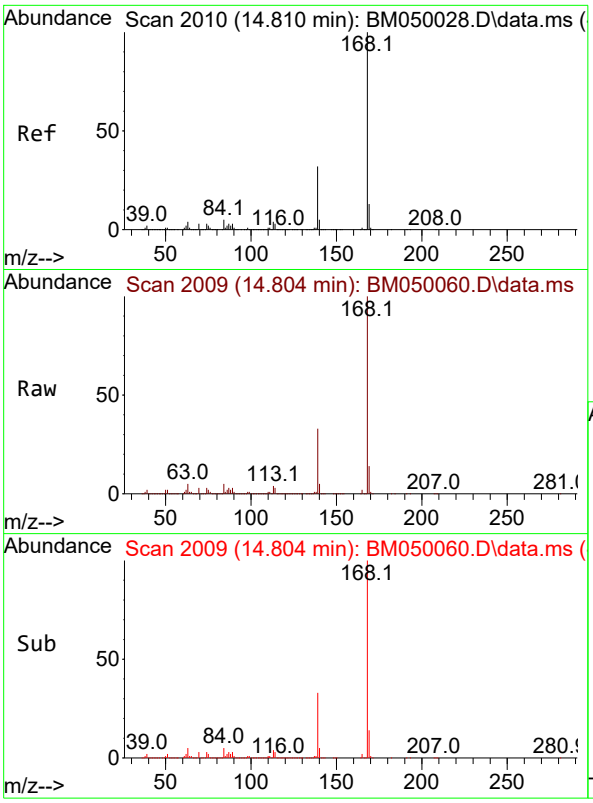


#54
2,4-Dinitrophenol
Concen: 39.209 ng
RT: 14.539 min Scan# 1964
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion:184 Resp: 231207

Ion	Ratio	Lower	Upper
184	100		
63	53.7	39.8	59.6
154	58.0	46.1	69.1



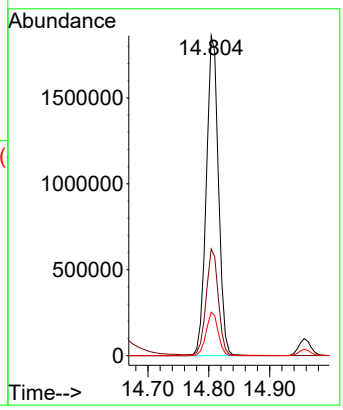


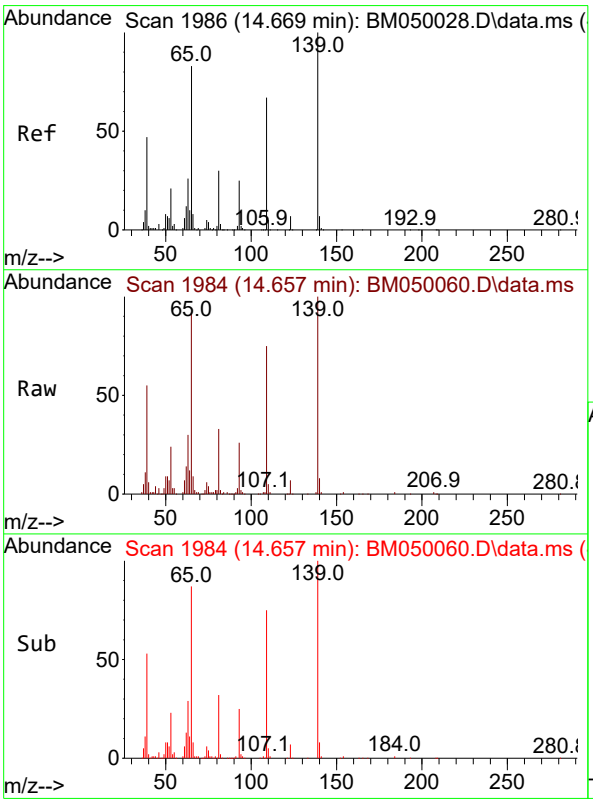
#55
Dibenzofuran
Concen: 43.601 ng
RT: 14.804 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:168 Resp: 2581239

Ion	Ratio	Lower	Upper
168	100		
139	33.4	26.1	39.1
169	13.6	10.8	16.2

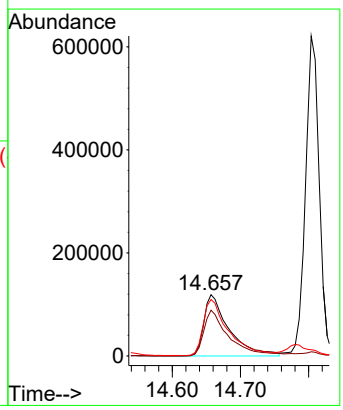


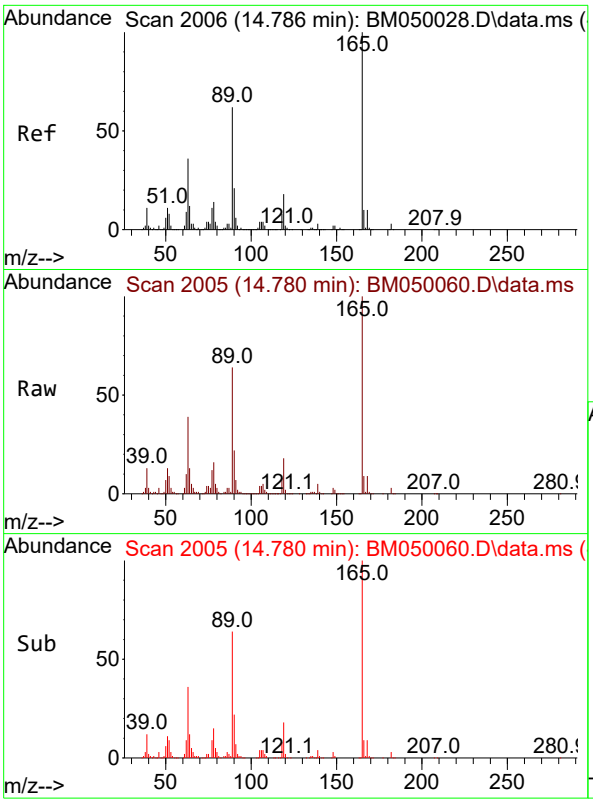


#56
4-Nitrophenol
Concen: 41.303 ng
RT: 14.657 min Scan# 1984
Delta R.T. -0.012 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion:139 Resp: 303363

Ion	Ratio	Lower	Upper
139	100		
109	74.8	47.0	87.0
65	92.3	64.3	104.3



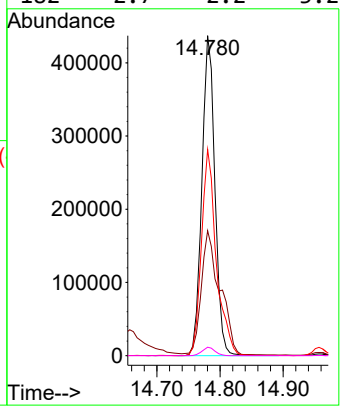


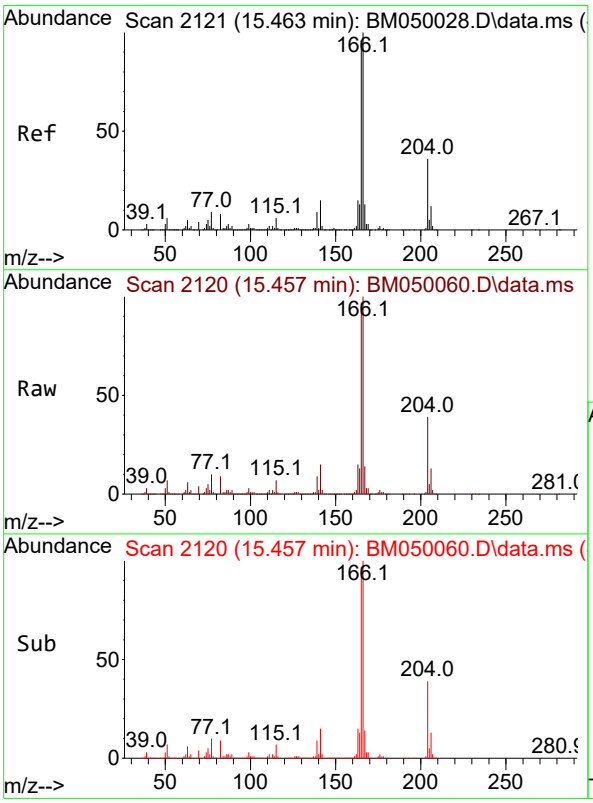
#57
2,4-Dinitrotoluene
Concen: 45.347 ng
RT: 14.780 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 627881

Ion	Ratio	Lower	Upper
165	100		
63	39.1	29.0	43.6
89	64.5	49.4	74.2
182	2.7	2.2	3.2

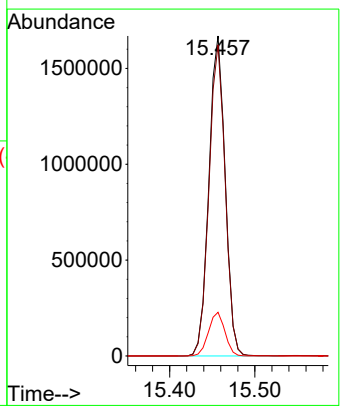


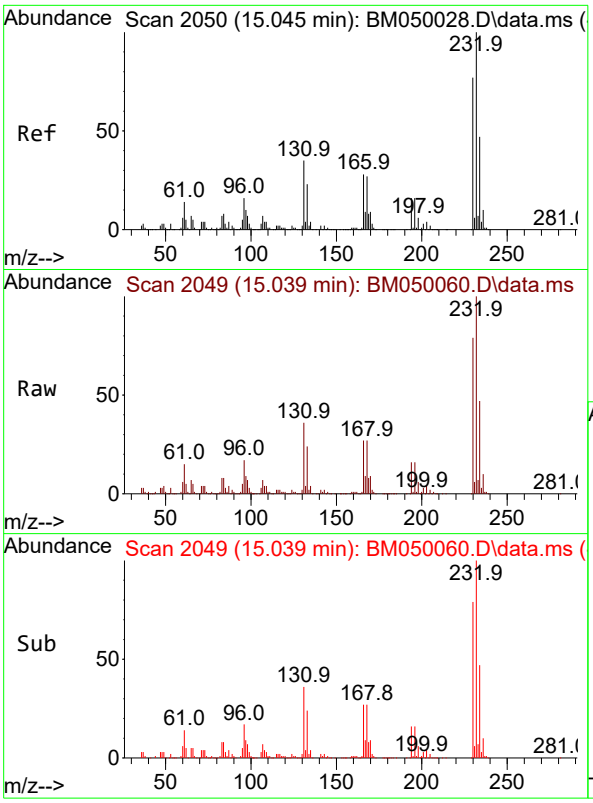


#58
Fluorene
Concen: 45.696 ng
RT: 15.457 min Scan# 2120
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion:166 Resp: 2214304

Ion	Ratio	Lower	Upper
166	100		
165	97.3	76.6	115.0
167	13.7	10.6	16.0



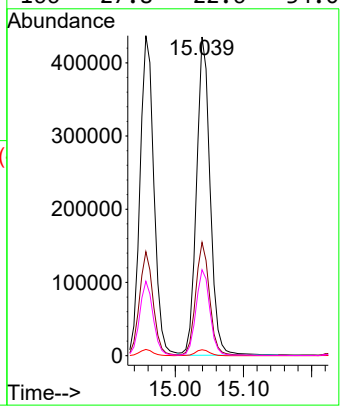


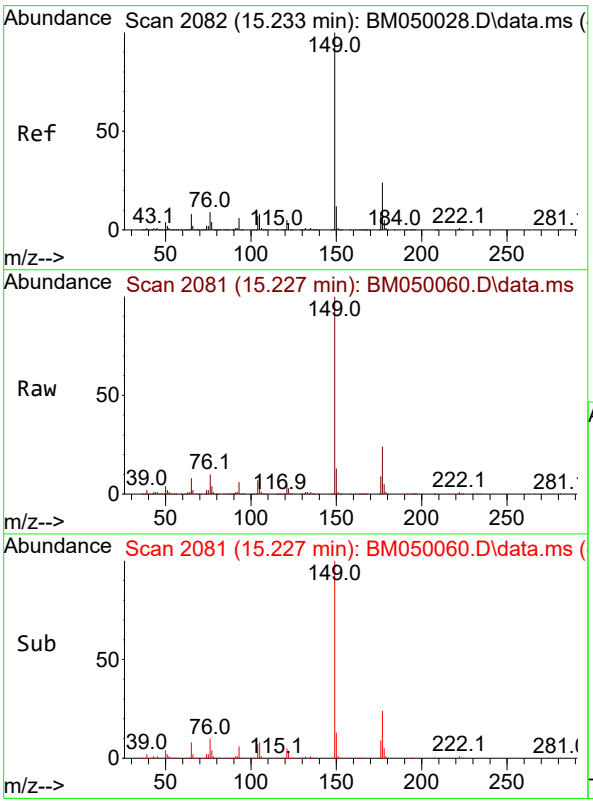
#59
2,3,4,6-Tetrachlorophenol
Concen: 44.178 ng
RT: 15.039 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:232 Resp: 599598

Ion	Ratio	Lower	Upper
232	100		
131	36.2	28.2	42.4
130	1.9	1.5	2.3
166	27.8	22.6	34.0

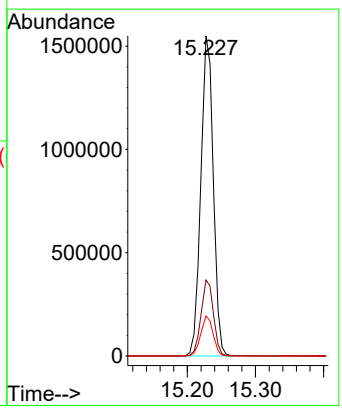


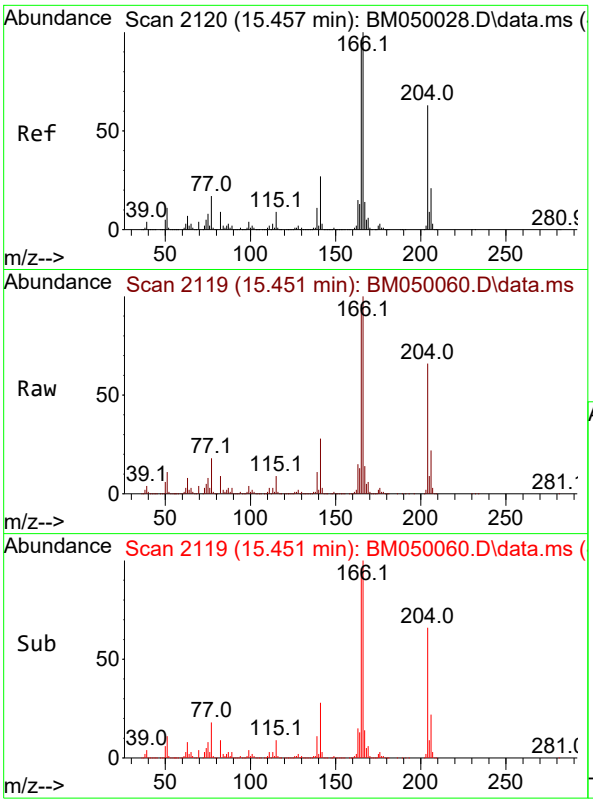


#60
Diethylphthalate
Concen: 43.222 ng
RT: 15.227 min Scan# 2081
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion:149 Resp: 1971037

Ion	Ratio	Lower	Upper
149	100		
177	23.8	19.1	28.7
150	12.5	9.6	14.4



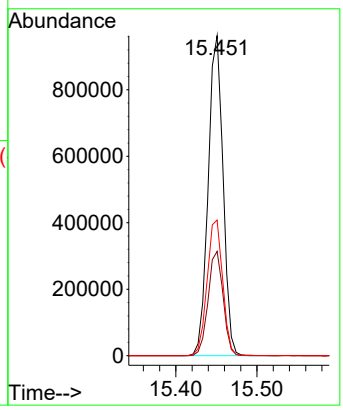


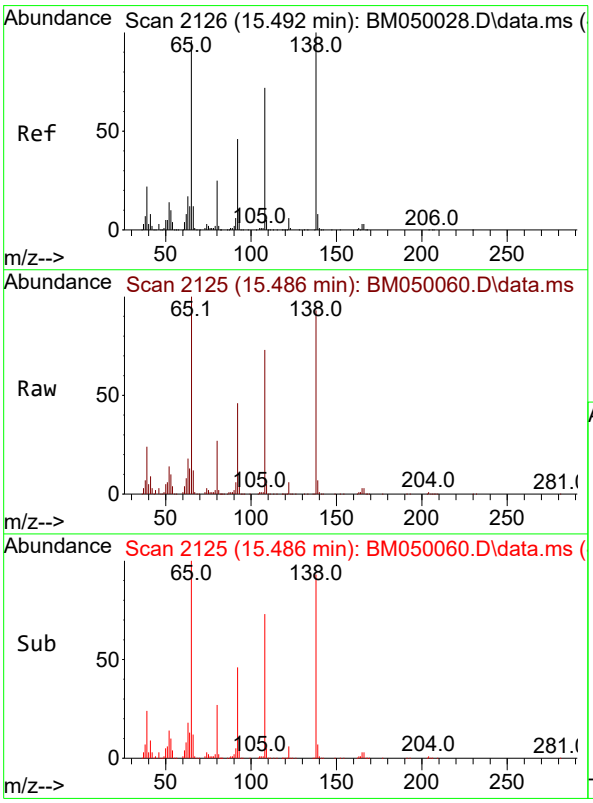
#61
4-Chlorophenyl-phenylether
Concen: 45.862 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:204 Resp: 1220657

Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.3	39.5
141	42.4	34.0	51.0

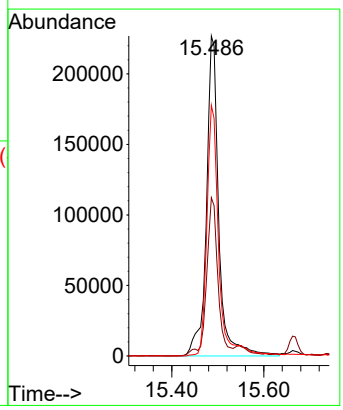


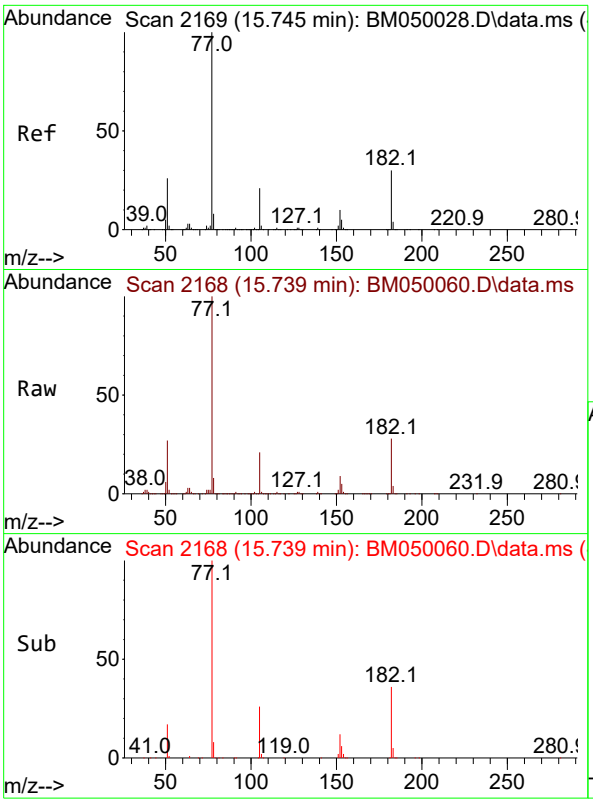


#62
4-Nitroaniline
Concen: 46.006 ng
RT: 15.486 min Scan# 2125
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion:138 Resp: 424632

Ion	Ratio	Lower	Upper
138	100		
92	49.5	25.9	65.9
108	78.4	52.4	92.4



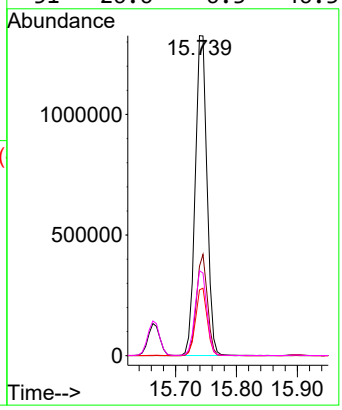


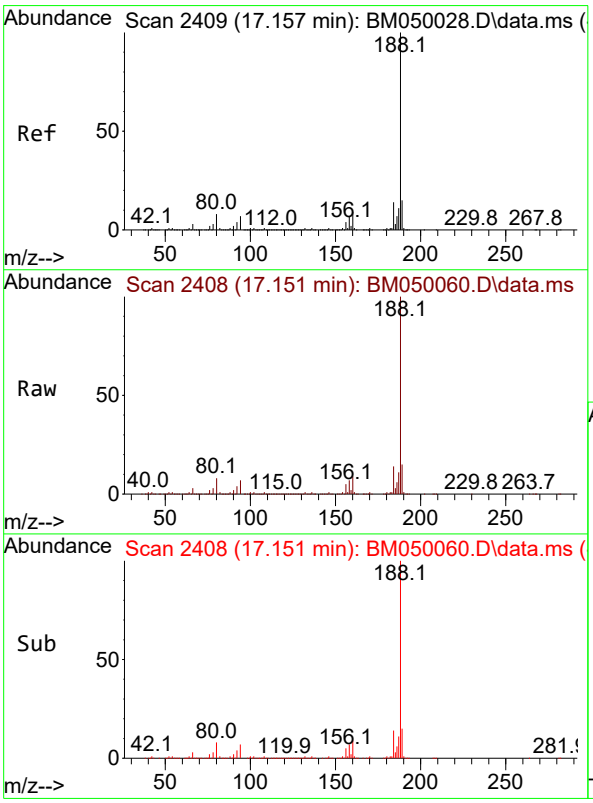
#63
Azobenzene
Concen: 46.624 ng
RT: 15.739 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 1781918

Ion	Ratio	Lower	Upper
77	100		
182	27.9	10.5	50.5
105	20.5	1.1	41.1
51	26.6	6.3	46.3

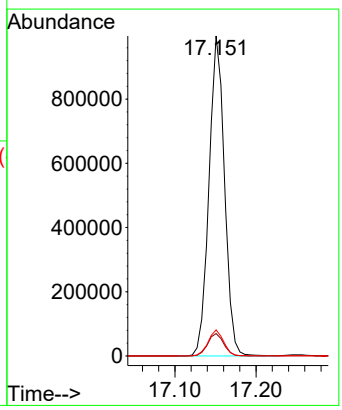


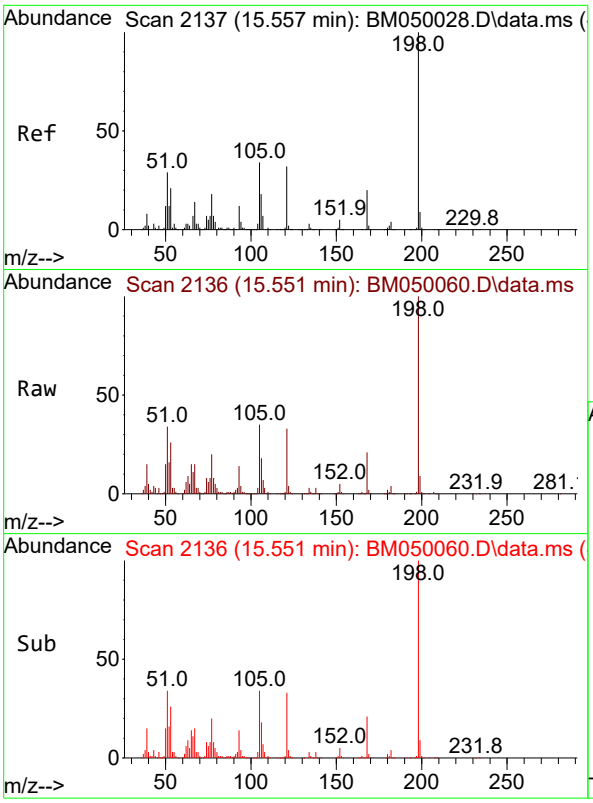


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.151 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion:188 Resp: 1322987

Ion	Ratio	Lower	Upper
188	100		
94	7.0	5.7	8.5
80	8.2	6.2	9.4



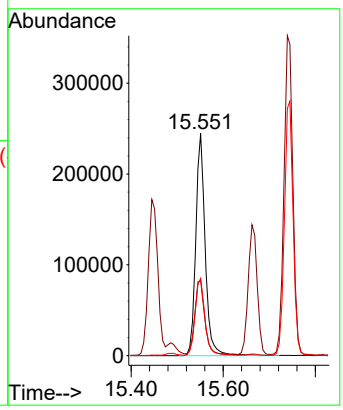


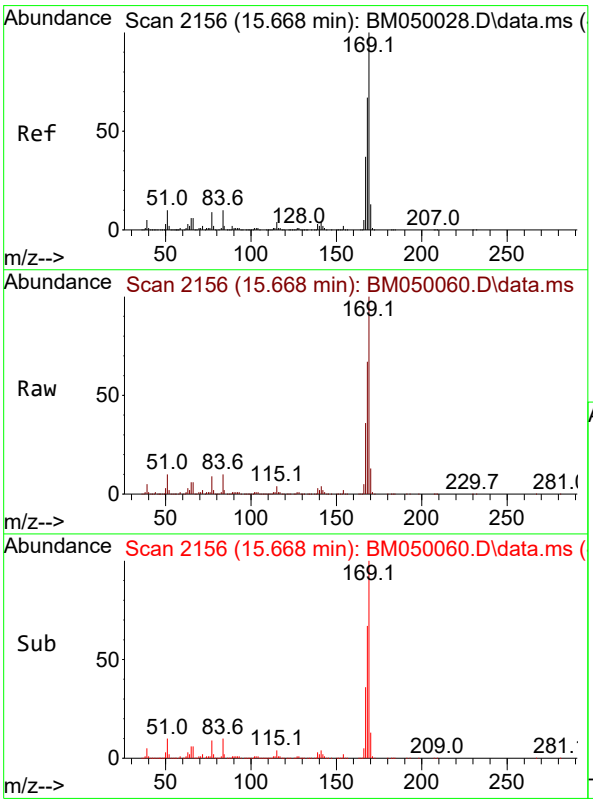
#65
4,6-Dinitro-2-methylphenol
Concen: 41.955 ng
RT: 15.551 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:198 Resp: 347445

Ion	Ratio	Lower	Upper
198	100		
51	33.8	10.4	50.4
105	34.8	14.6	54.6

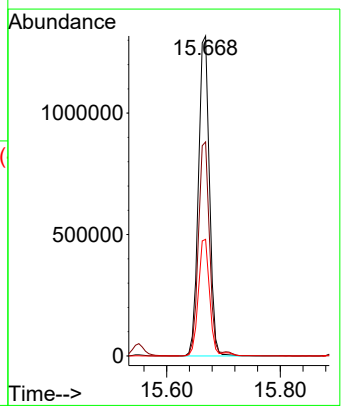


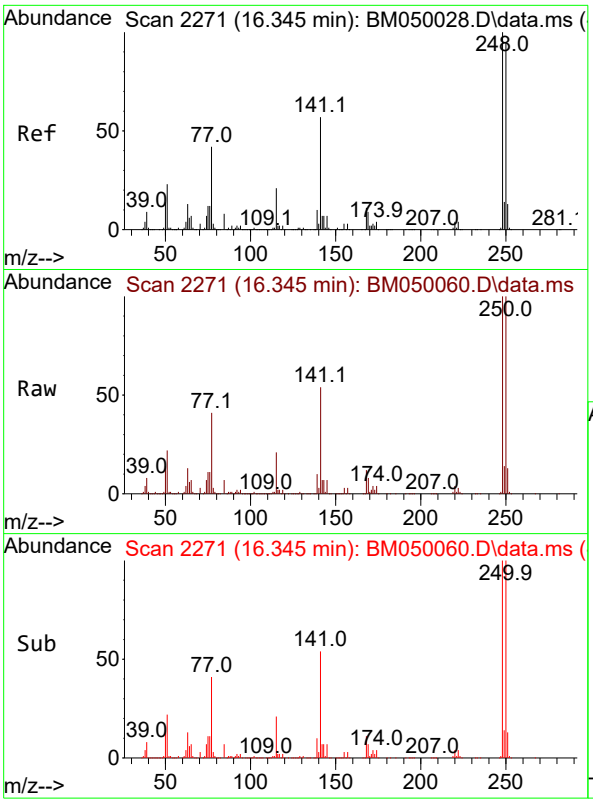


#66
n-Nitrosodiphenylamine
Concen: 43.828 ng
RT: 15.668 min Scan# 2156
Delta R.T. 0.000 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion:169 Resp: 1780528

Ion	Ratio	Lower	Upper
169	100		
168	66.9	53.4	80.2
167	36.5	29.4	44.0



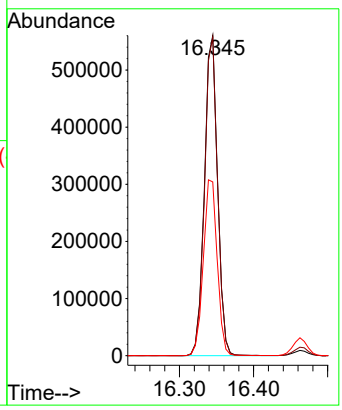


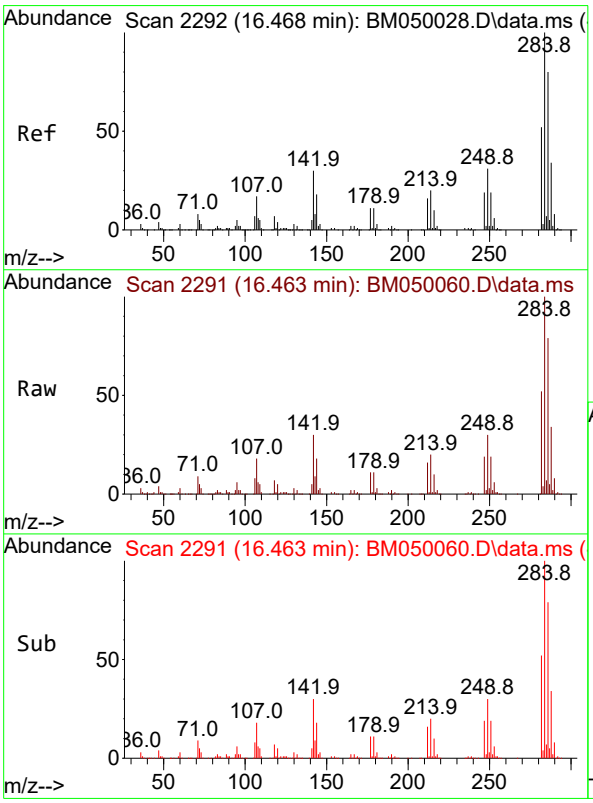
#67
4-Bromophenyl-phenylether
Concen: 43.251 ng
RT: 16.345 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:248 Resp: 691949

Ion	Ratio	Lower	Upper
248	100		
250	99.5	76.2	114.2
141	54.3	45.9	68.9

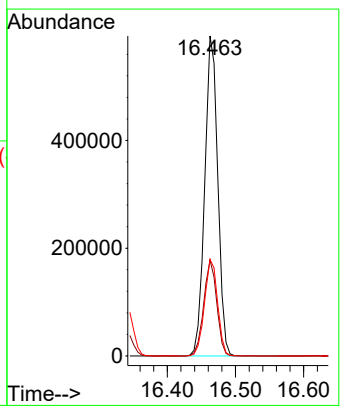


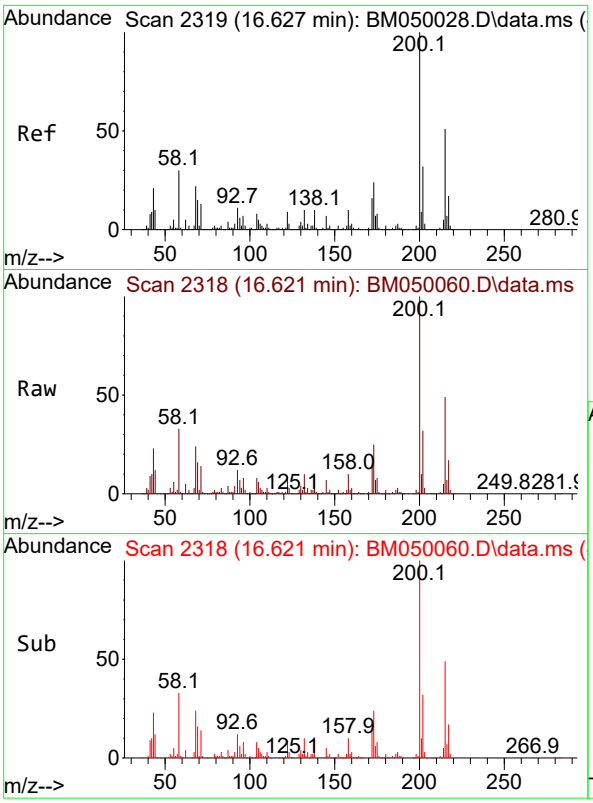


#68
Hexachlorobenzene
Concen: 42.817 ng
RT: 16.463 min Scan# 2291
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion:284 Resp: 789606

Ion	Ratio	Lower	Upper
284	100		
142	30.0	23.9	35.9
249	30.1	24.5	36.7



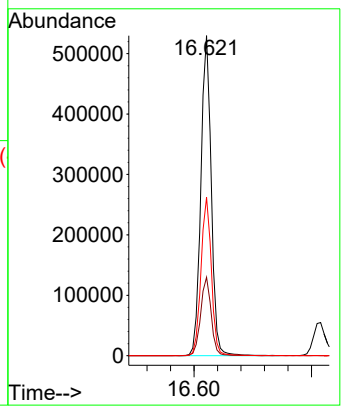


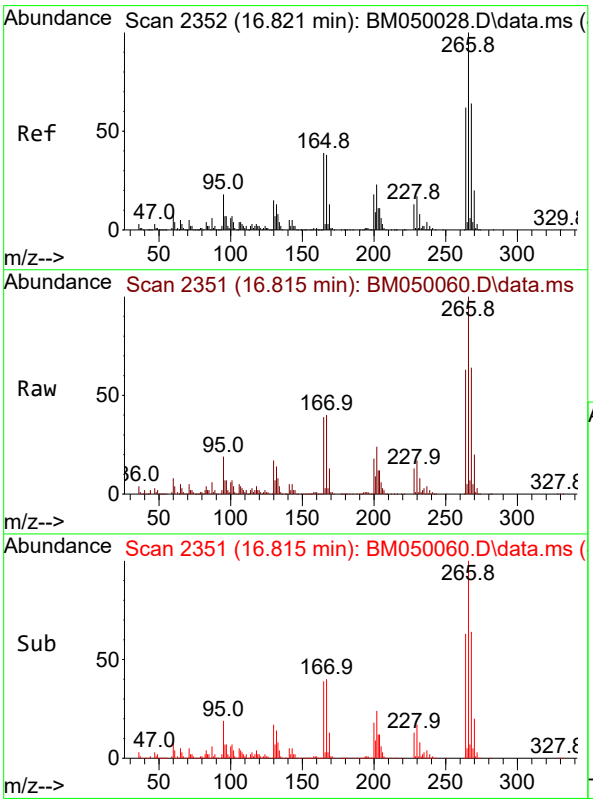
#69
Atrazine
Concen: 44.223 ng
RT: 16.621 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:200 Resp: 648048

Ion	Ratio	Lower	Upper
200	100		
173	24.5	4.3	44.3
215	49.5	30.6	70.6

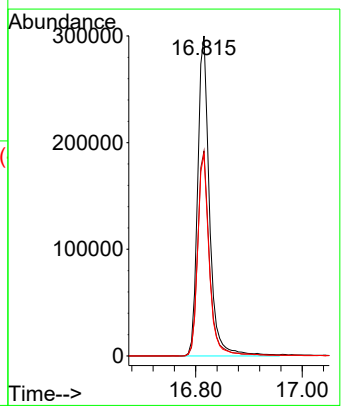


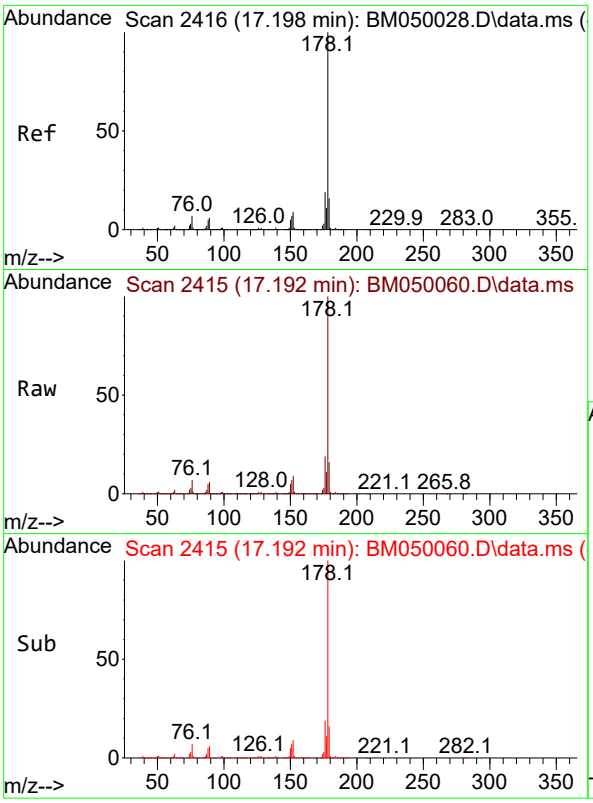


#70
Pentachlorophenol
Concen: 44.406 ng
RT: 16.815 min Scan# 2351
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion:266 Resp: 460957

Ion	Ratio	Lower	Upper
266	100		
268	64.0	51.2	76.8
264	63.0	49.6	74.4



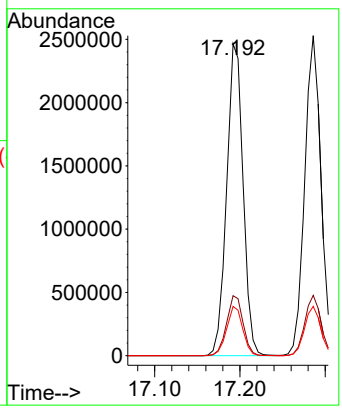


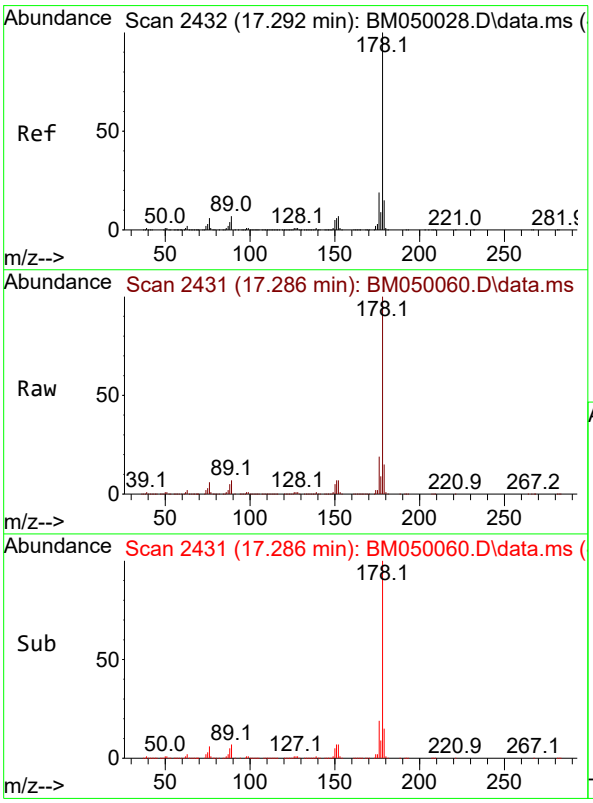
#71
Phenanthrene
Concen: 44.258 ng
RT: 17.192 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:178 Resp: 3302440

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.8	12.4	18.6

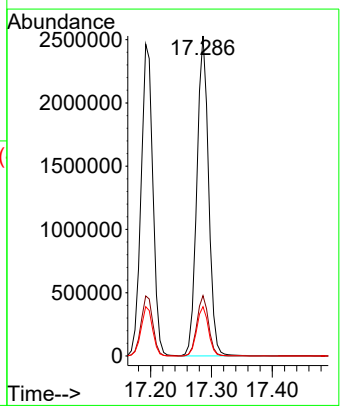


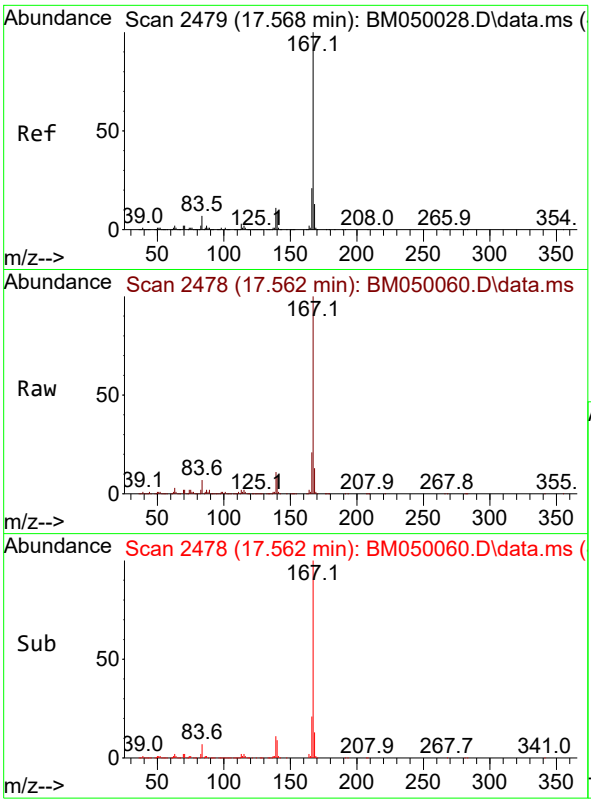


#72
Anthracene
Concen: 44.674 ng
RT: 17.286 min Scan# 2431
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion:178 Resp: 3373493

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	15.4	12.2	18.4



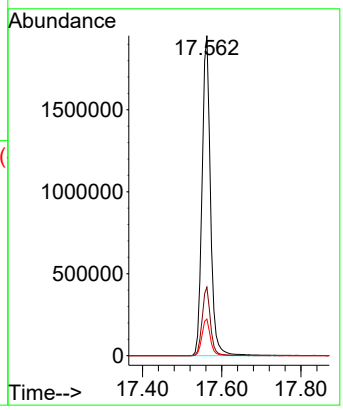


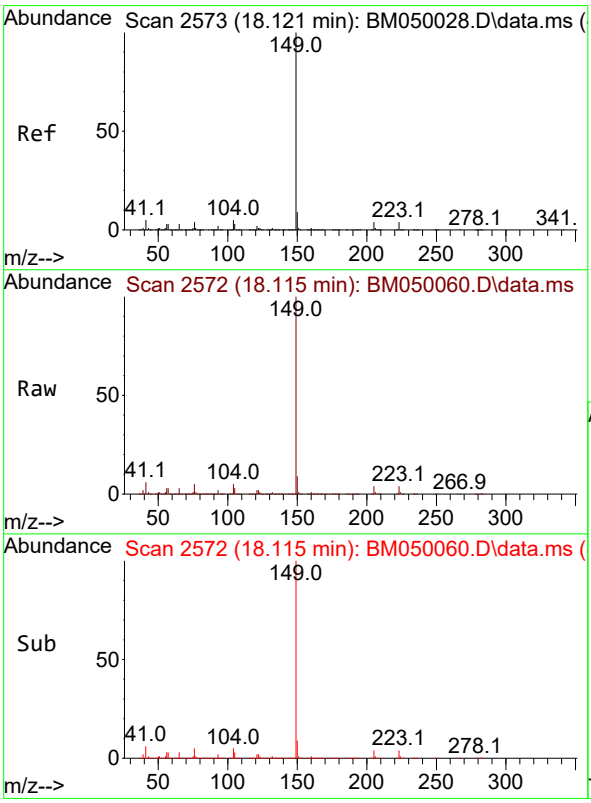
#73
Carbazole
Concen: 43.951 ng
RT: 17.562 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:167 Resp: 2879903

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.2	25.8
139	11.5	9.0	13.6

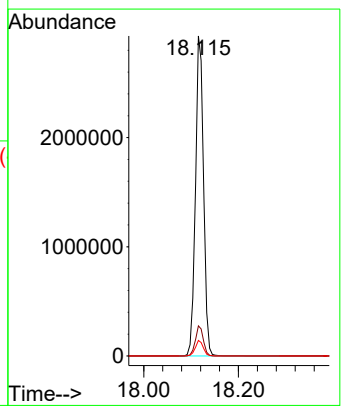


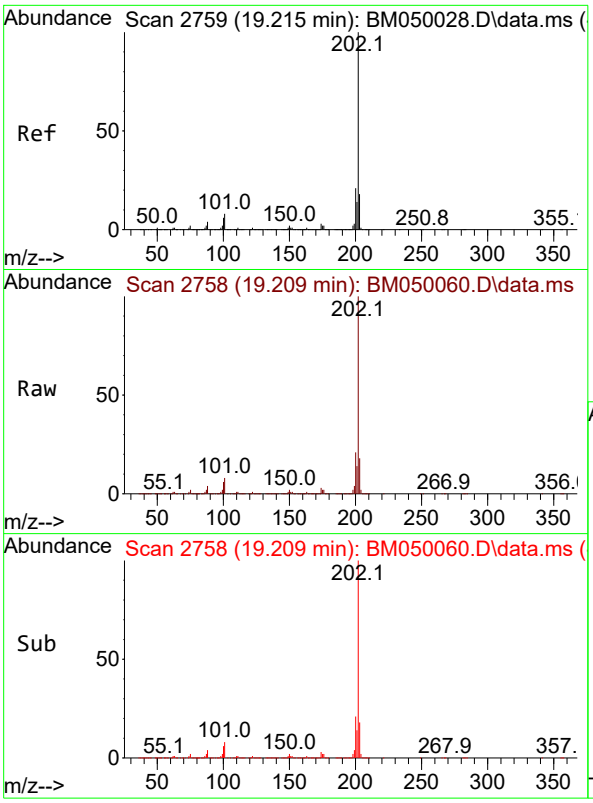


#74
Di-n-butylphthalate
Concen: 44.404 ng
RT: 18.115 min Scan# 2572
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion:149 Resp: 3465029

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.3	10.9
104	4.9	3.8	5.6



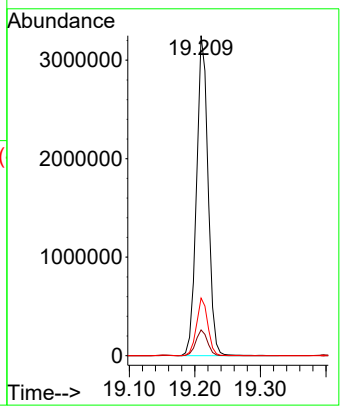


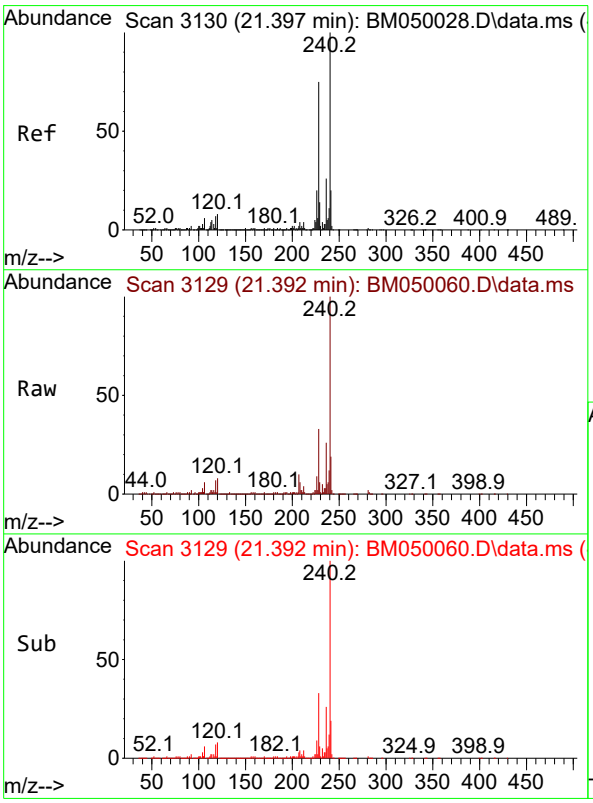
#75
Fluoranthene
Concen: 45.461 ng
RT: 19.209 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:202 Resp: 3982701

Ion	Ratio	Lower	Upper
202	100		
101	8.0	0.0	28.0
203	18.0	0.0	37.7

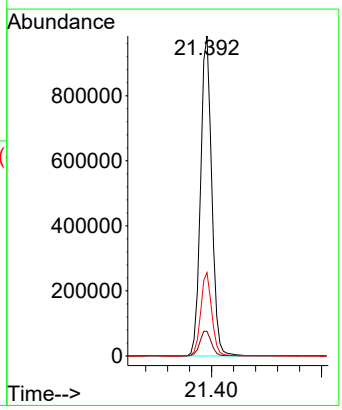


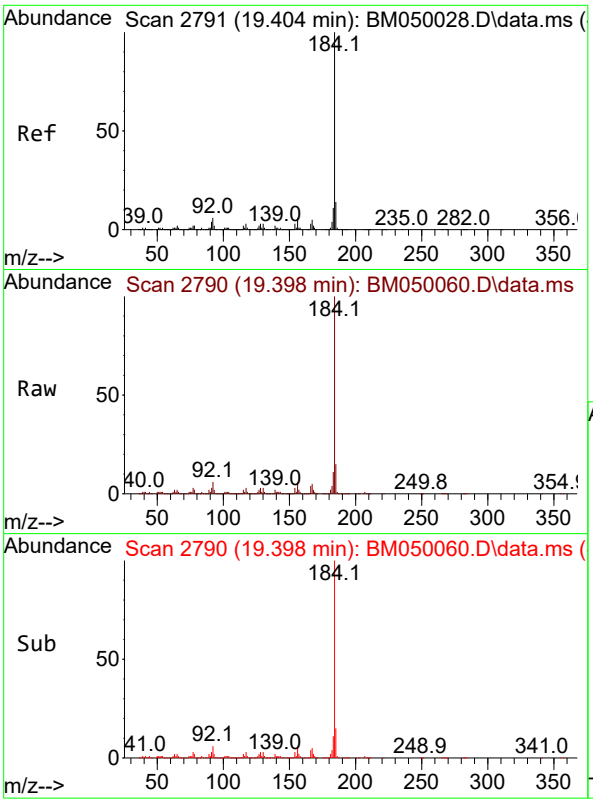


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.392 min Scan# 3129
Delta R.T. -0.005 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion:240 Resp: 1388415

Ion	Ratio	Lower	Upper
240	100		
120	7.7	6.5	9.7
236	26.0	20.9	31.3



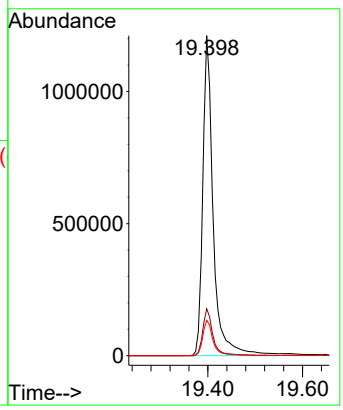


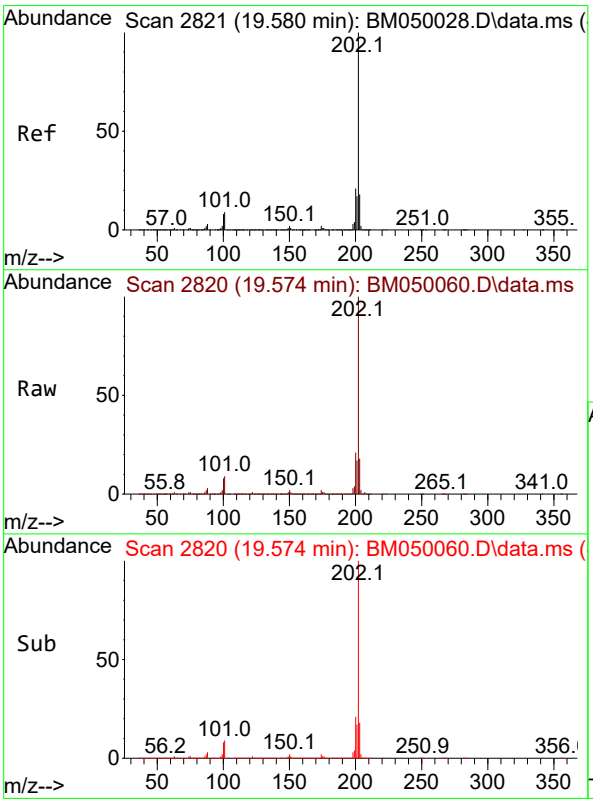
#77
Benzidine
Concen: 37.638 ng
RT: 19.398 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:184 Resp: 1856216

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.5	17.3
183	11.1	8.9	13.3

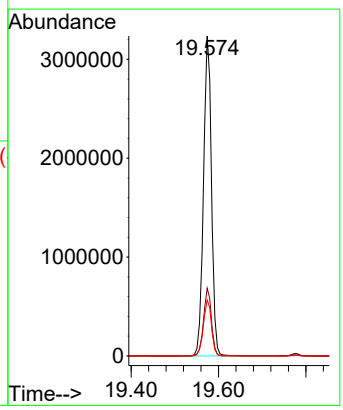


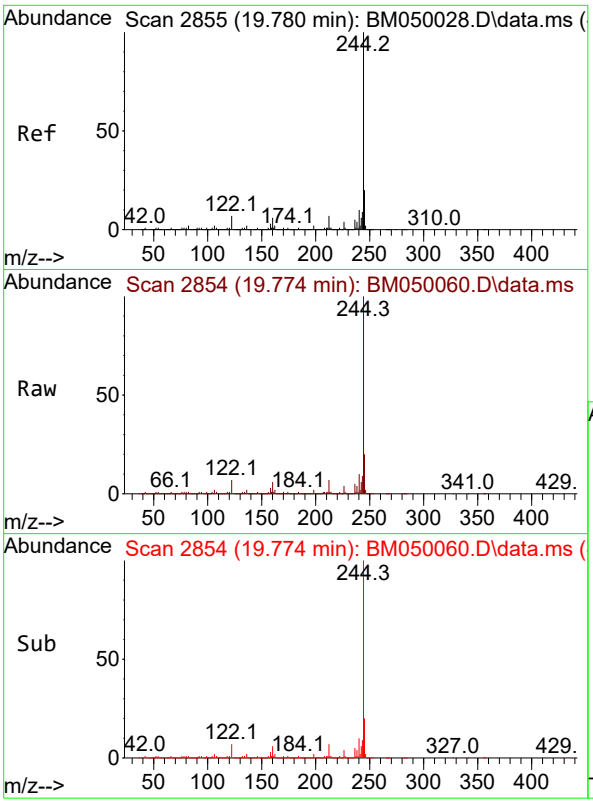


#78
Pyrene
Concen: 42.156 ng
RT: 19.574 min Scan# 2820
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion:202 Resp: 4110122

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.7	25.1
203	17.5	14.1	21.1



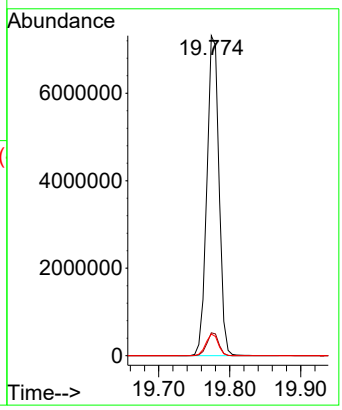


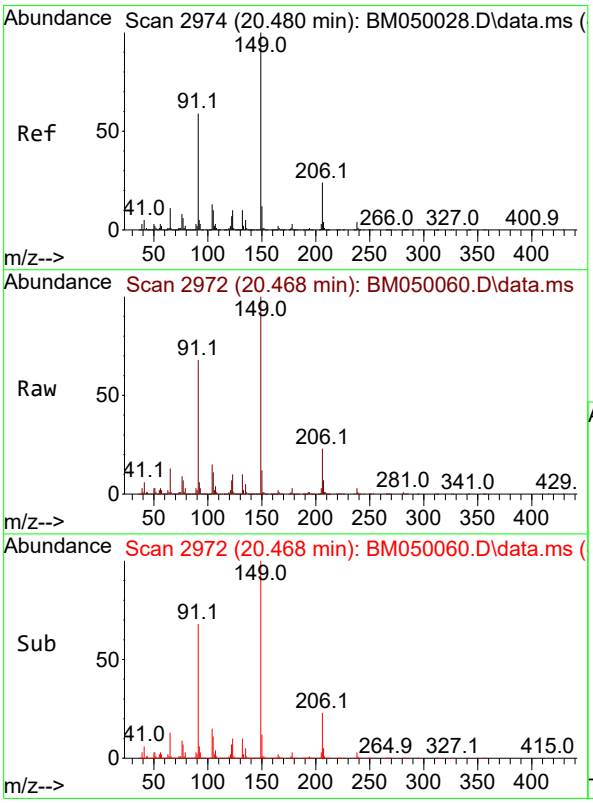
#79
Terphenyl-d14
Concen: 92.665 ng
RT: 19.774 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:244 Resp: 8694630

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	6.7	5.6	8.4

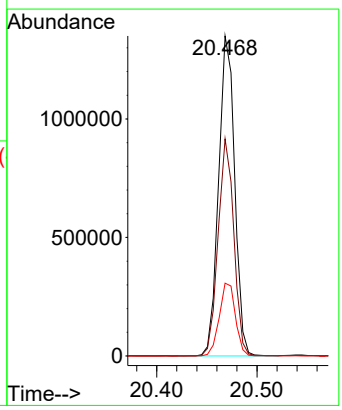


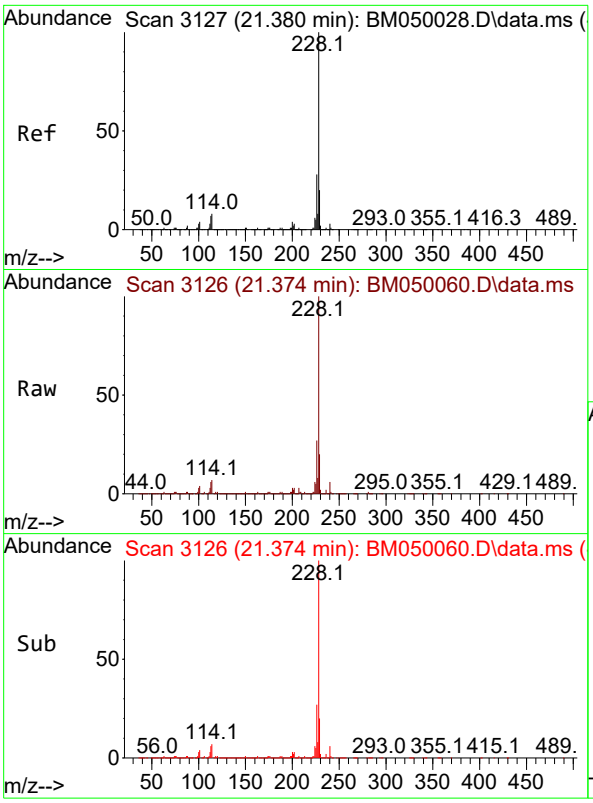


#80
Butylbenzylphthalate
Concen: 41.069 ng
RT: 20.468 min Scan# 2972
Delta R.T. -0.012 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion:149 Resp: 1499708

Ion	Ratio	Lower	Upper
149	100		
91	67.8	47.4	71.2
206	22.8	19.4	29.0



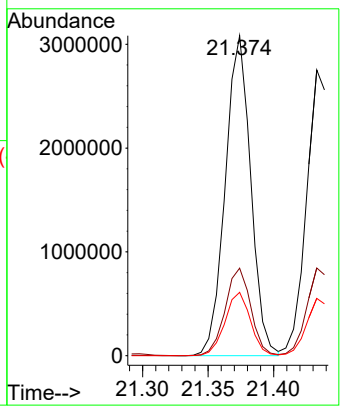


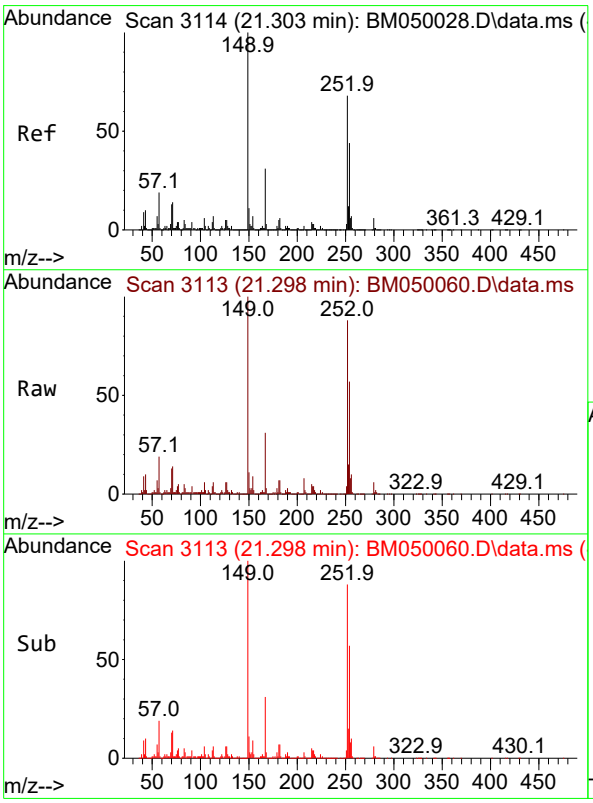
#81
Benzo(a)anthracene
Concen: 43.546 ng
RT: 21.374 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 4163413

Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.1	33.1
229	19.8	15.7	23.5

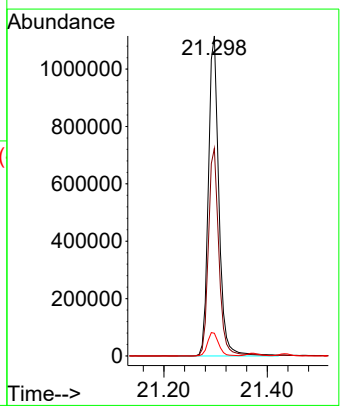


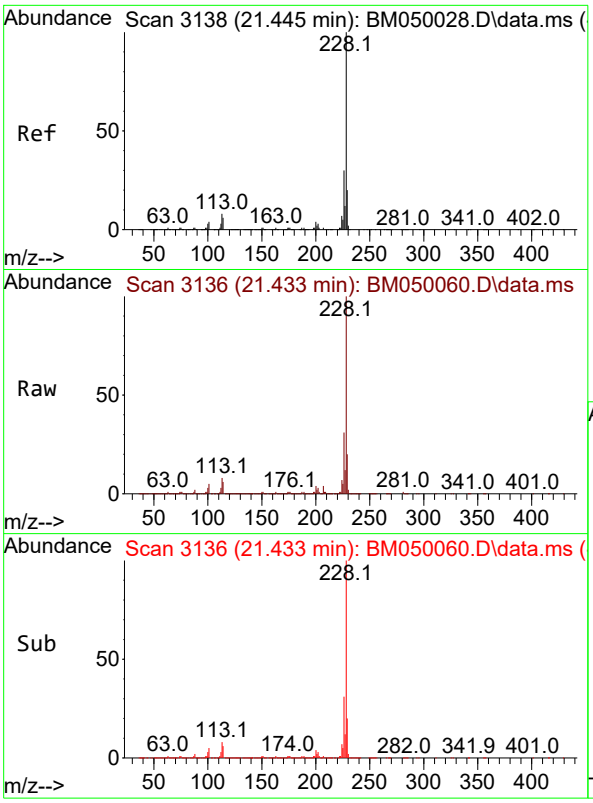


#82
3,3'-Dichlorobenzidine
Concen: 42.902 ng
RT: 21.298 min Scan# 3113
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion:252 Resp: 1570228

Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.8	77.6
126	7.1	6.0	9.0



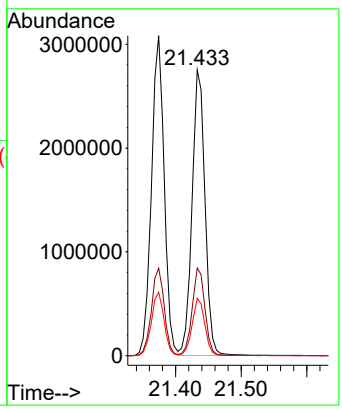


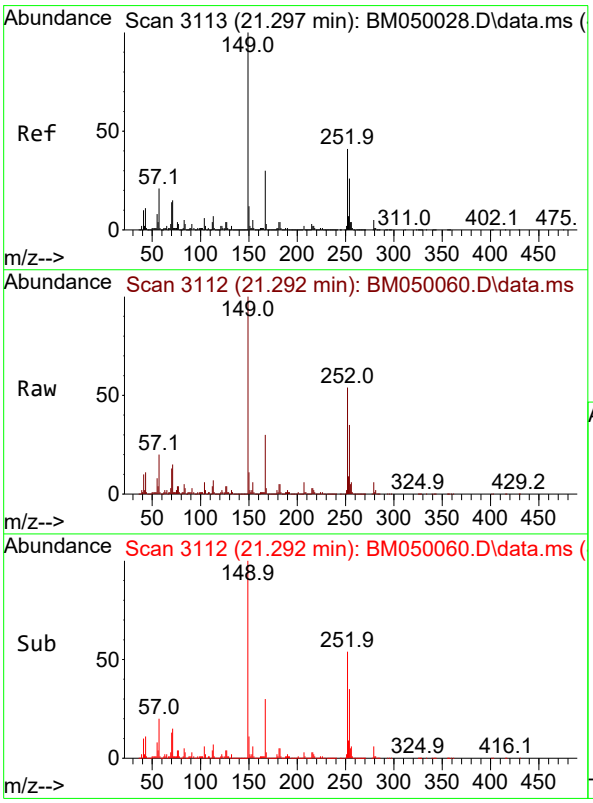
#83
Chrysene
Concen: 42.697 ng
RT: 21.433 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 3778223

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.2	36.2
229	20.0	15.7	23.5

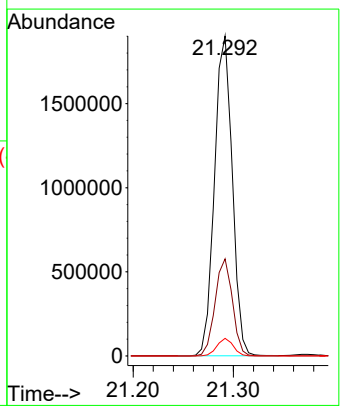


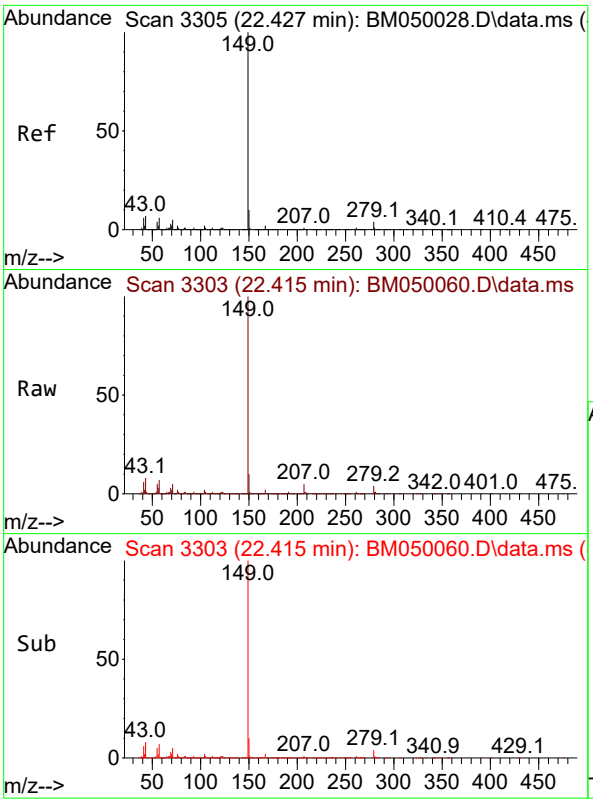


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.943 ng
RT: 21.292 min Scan# 3112
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion:149 Resp: 2342272

Ion	Ratio	Lower	Upper
149	100		
167	30.3	24.1	36.1
279	5.5	3.9	5.9



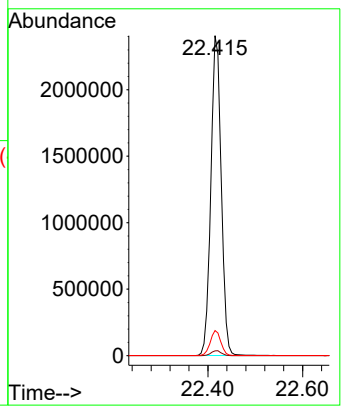


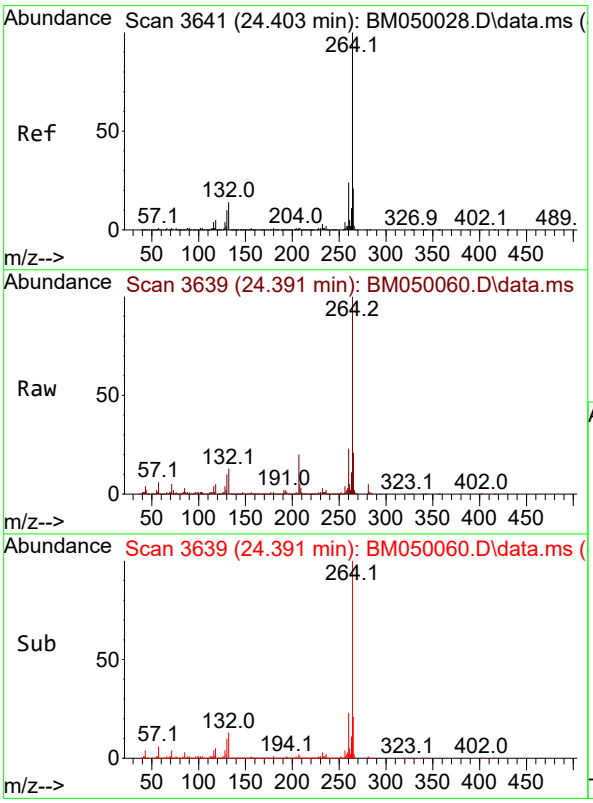
#85
Di-n-octyl phthalate
Concen: 40.623 ng
RT: 22.415 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:149 Resp: 3654109

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.0	5.8	8.8

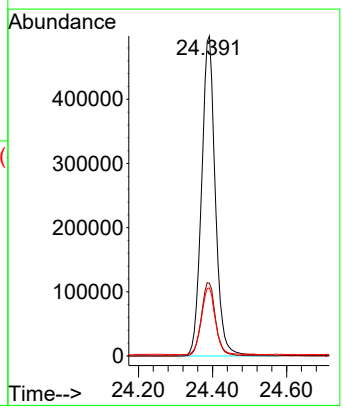


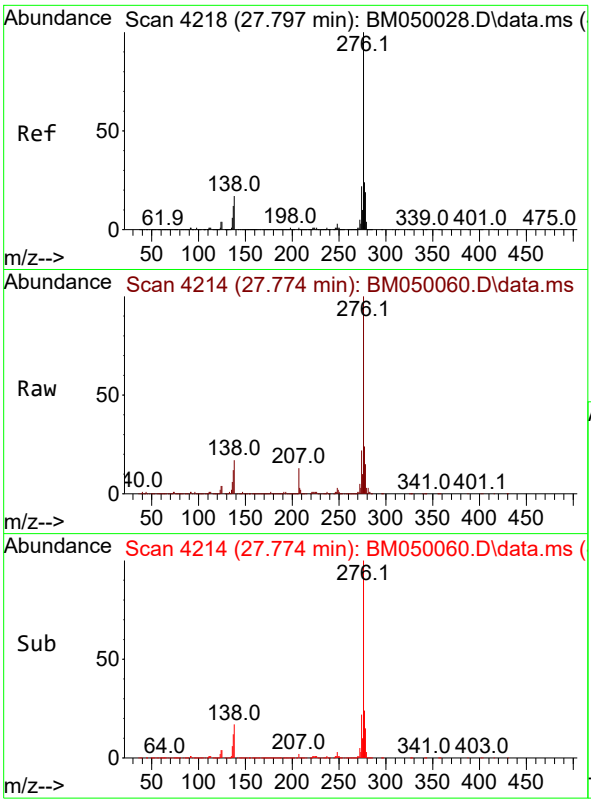


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.391 min Scan# 3639
Delta R.T. -0.012 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion:264 Resp: 1280499

Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.8	28.2
265	21.3	17.0	25.4



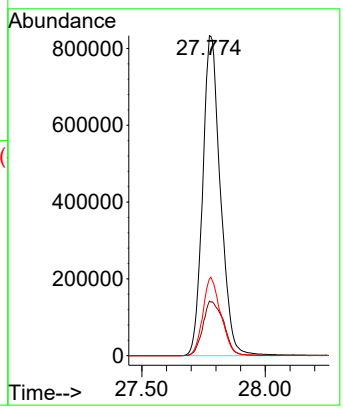


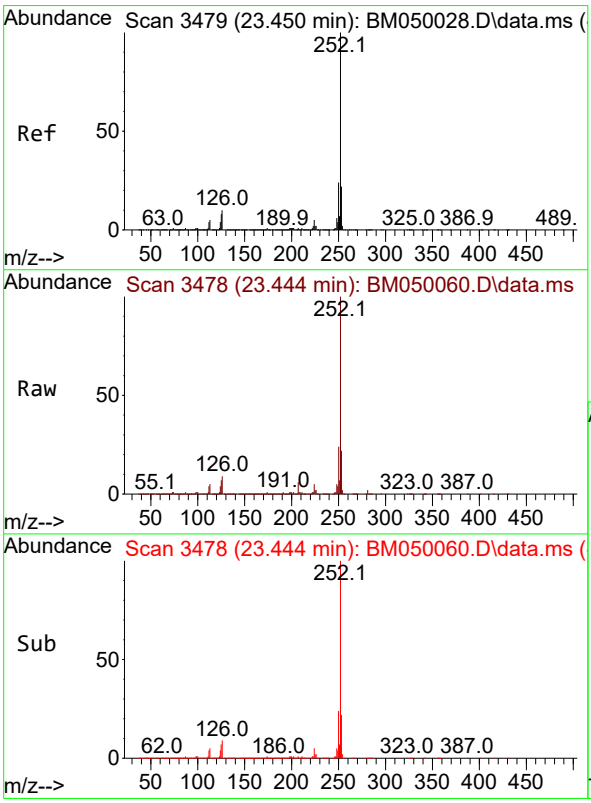
#87
Indeno(1,2,3-cd)pyrene
Concen: 43.627 ng
RT: 27.774 min Scan# 4
Delta R.T. -0.023 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:276 Resp: 4162560

Ion	Ratio	Lower	Upper
276	100		
138	19.9	16.4	24.6
277	24.9	19.8	29.8

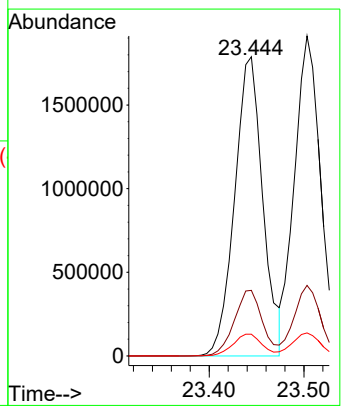


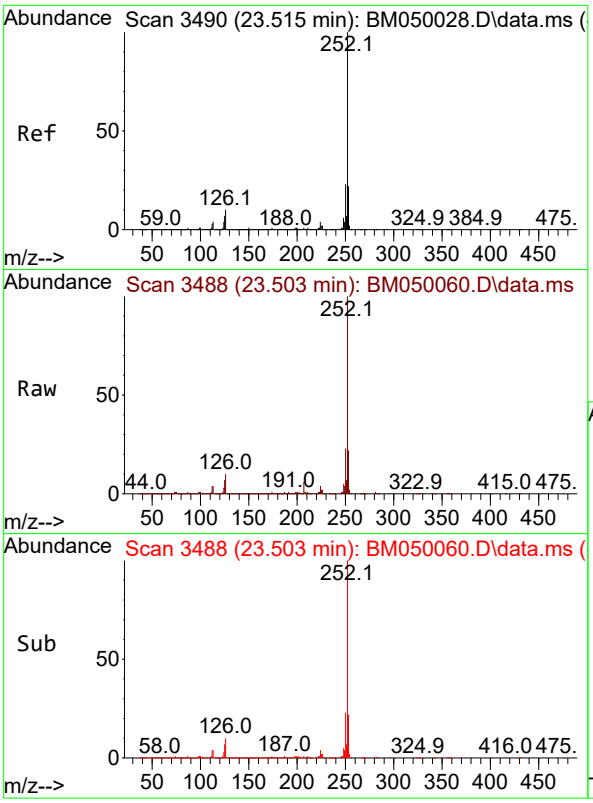


#88
Benzo(b)fluoranthene
Concen: 44.357 ng
RT: 23.444 min Scan# 3478
Delta R.T. -0.006 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion:252 Resp: 3693771

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	7.3	6.1	9.1



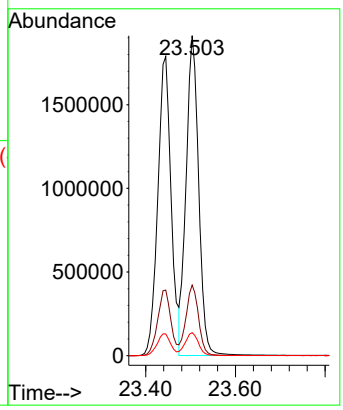


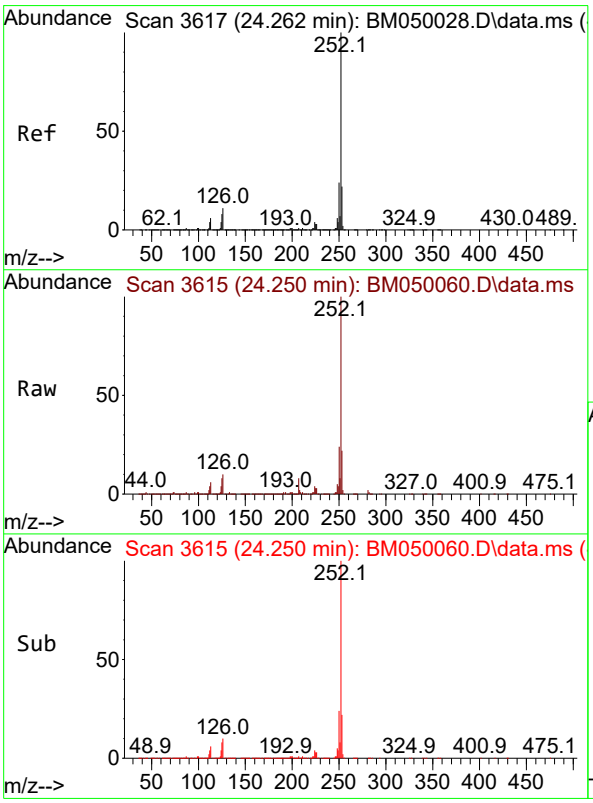
#89
Benzo(k)fluoranthene
Concen: 44.050 ng
RT: 23.503 min Scan# 3
Delta R.T. -0.012 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:252 Resp: 3710562

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	7.2	5.8	8.8

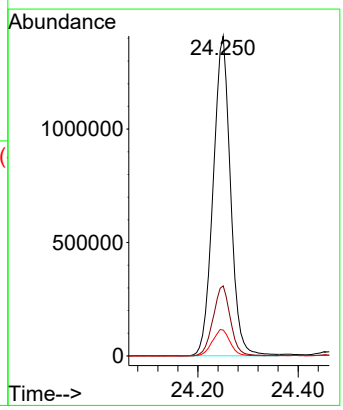


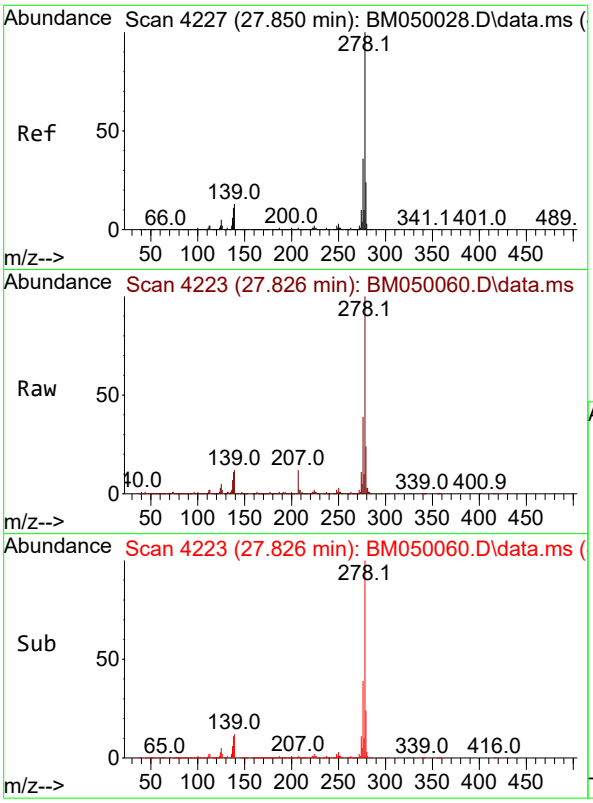


#90
Benzo(a)pyrene
Concen: 43.401 ng
RT: 24.250 min Scan# 3615
Delta R.T. -0.012 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion:252 Resp: 3385114

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0
125	8.1	6.6	9.8



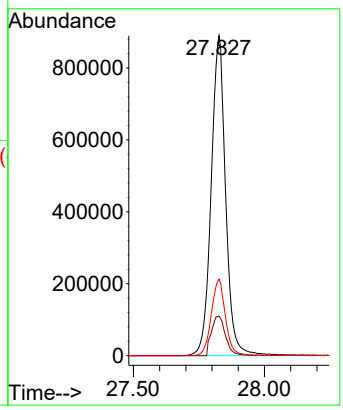


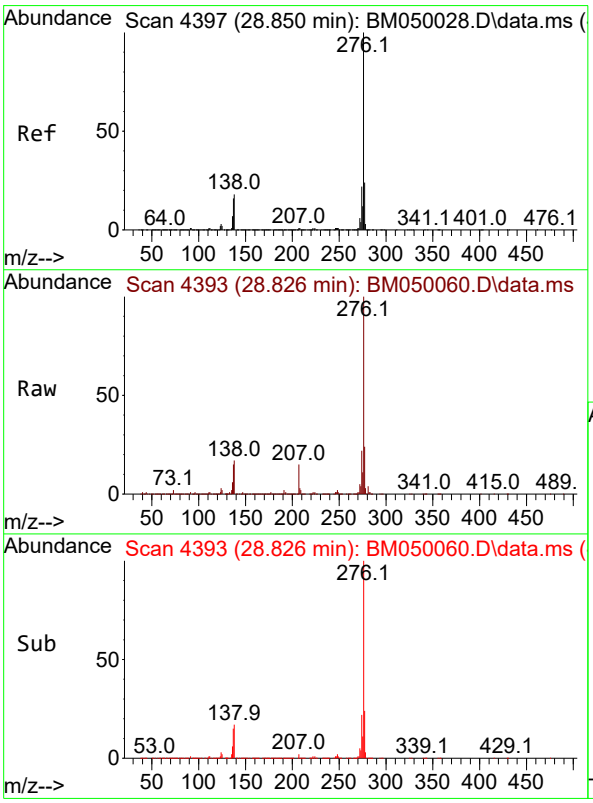
#91
Dibenzo(a,h)anthracene
Concen: 43.824 ng
RT: 27.826 min Scan# 4
Delta R.T. -0.024 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040EC

Tgt Ion:278 Resp: 3408506

Ion	Ratio	Lower	Upper
278	100		
139	12.4	10.5	15.7
279	23.9	19.4	29.0

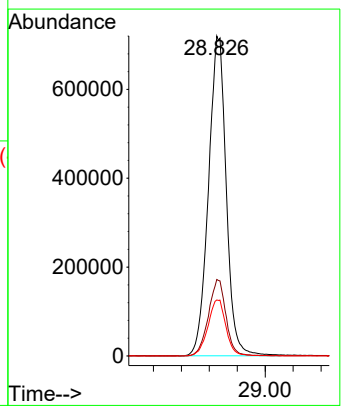




#92
Benzo(g,h,i)perylene
Concen: 42.624 ng
RT: 28.826 min Scan# 4393
Delta R.T. -0.023 min
Lab File: BM050060.D
Acq: 01 May 2025 01:12

Tgt Ion:276 Resp: 3173888

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.1	28.7
138	17.5	14.3	21.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050060.D
Acq On : 01 May 2025 01:12
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: May 01 02:21:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 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	109	0.00
2		1,4-Dioxane	0.490	0.521	-6.3	111	0.00
3		Pyridine	1.258	1.424	-13.2	117	0.00
4		n-Nitrosodimethylamine	0.493	0.576	-16.8	121	0.00
5	S	2-Fluorophenol	1.142	1.258	-10.2	114	0.00
6		Aniline	1.813	2.043	-12.7	115	0.00
7	S	Phenol-d6	1.436	1.655	-15.3	117	0.00
8		2-Chlorophenol	1.235	1.338	-8.3	111	0.00
9		Benzaldehyde	0.961	1.093	-13.7	116	0.00
10	C	Phenol	1.453	1.649	-13.5	117	0.00
11		bis(2-Chloroethyl)ether	1.213	1.343	-10.7	115	0.00
12		1,3-Dichlorobenzene	1.492	1.581	-6.0	110	0.00
13	C	1,4-Dichlorobenzene	1.499	1.596	-6.5	112	0.00
14		1,2-Dichlorobenzene	1.448	1.545	-6.7	111	0.00
15		Benzyl Alcohol	0.996	1.154	-15.9	117	0.00
16		2,2'-oxybis(1-Chloropropane	1.475	1.719	-16.5	121	0.00
17		2-Methylphenol	0.957	1.079	-12.7	114	0.00
18		Hexachloroethane	0.533	0.577	-8.3	113	0.00
19	P	n-Nitroso-di-n-propylamine	0.921	1.111	-20.6	121	0.00
20		3+4-Methylphenols	1.293	1.473	-13.9	116	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	110	0.00
22		Acetophenone	0.497	0.560	-12.7	116	0.00
23	S	Nitrobenzene-d5	0.406	0.471	-16.0	120	0.00
24		Nitrobenzene	0.351	0.402	-14.5	119	0.00
25		Isophorone	0.692	0.780	-12.7	118	0.00
26	C	2-Nitrophenol	0.179	0.198	-10.6	111	0.00
27		2,4-Dimethylphenol	0.297	0.330	-11.1	113	0.00
28		bis(2-Chloroethoxy)methane	0.428	0.477	-11.4	116	0.00
29	C	2,4-Dichlorophenol	0.333	0.365	-9.6	111	0.00
30		1,2,4-Trichlorobenzene	0.406	0.432	-6.4	112	0.00
31		Naphthalene	1.013	1.096	-8.2	114	0.00
32		Benzoic acid	0.190	0.210	-10.5	118	0.00
33		4-Chloroaniline	0.415	0.460	-10.8	115	0.00
34	C	Hexachlorobutadiene	0.258	0.273	-5.8	112	0.00
35		Caprolactam	0.097	0.107	-10.3	113	0.00
36	C	4-Chloro-3-methylphenol	0.308	0.343	-11.4	117	0.00
37		2-Methylnaphthalene	0.679	0.737	-8.5	114	0.00
38		1-Methylnaphthalene	0.719	0.778	-8.2	114	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	112	0.00
40		1,2,4,5-Tetrachlorobenzene	0.692	0.755	-9.1	114	0.00
41	P	Hexachlorocyclopentadiene	0.423	0.457	-8.0	112	-0.01
42	S	2,4,6-Tribromophenol	0.296	0.338	-14.2	119	0.00
43	C	2,4,6-Trichlorophenol	0.439	0.486	-10.7	114	0.00
44		2,4,5-Trichlorophenol	0.474	0.526	-11.0	114	0.00
45	S	2-Fluorobiphenyl	1.691	1.929	-14.1	120	0.00
46		1,1'-Biphenyl	1.487	1.616	-8.7	115	0.00
47		2-Chloronaphthalene	1.177	1.271	-8.0	114	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050060.D
Acq On : 01 May 2025 01:12
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: May 01 02:21:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 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	0.276	0.328	-18.8	122	0.00
49		Acenaphthylene	1.857	2.020	-8.8	115	0.00
50		Dimethylphthalate	1.462	1.568	-7.3	115	0.00
51		2,6-Dinitrotoluene	0.303	0.333	-9.9	114	0.00
52	C	Acenaphthene	1.075	1.182	-10.0	117	0.00
53		3-Nitroaniline	0.289	0.319	-10.4	111	0.00
54	P	2,4-Dinitrophenol	0.164	0.175	-6.7	110	0.00
55		Dibenzofuran	1.788	1.949	-9.0	116	0.00
56	P	4-Nitrophenol	0.205	0.229	-11.7	114	-0.01
57		2,4-Dinitrotoluene	0.418	0.474	-13.4	116	0.00
58		Fluorene	1.463	1.672	-14.3	120	0.00
59		2,3,4,6-Tetrachlorophenol	0.410	0.453	-10.5	117	0.00
60		Diethylphthalate	1.377	1.488	-8.1	116	0.00
61		4-Chlorophenyl-phenylether	0.804	0.922	-14.7	120	0.00
62		4-Nitroaniline	0.279	0.321	-15.1	114	0.00
63		Azobenzene	1.154	1.345	-16.6	124	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	114	0.00
65		4,6-Dinitro-2-methylphenol	0.125	0.131	-4.8	110	0.00
66	c	n-Nitrosodiphenylamine	0.614	0.673	-9.6	117	0.00
67		4-Bromophenyl-phenylether	0.242	0.262	-8.3	115	0.00
68		Hexachlorobenzene	0.279	0.298	-6.8	116	0.00
69		Atrazine	0.222	0.245	-10.4	118	0.00
70	C	Pentachlorophenol	0.157	0.174	-10.8	119	0.00
71		Phenanthrene	1.128	1.248	-10.6	120	0.00
72		Anthracene	1.142	1.275	-11.6	119	0.00
73		Carbazole	0.991	1.088	-9.8	117	0.00
74		Di-n-butylphthalate	1.180	1.310	-11.0	120	0.00
75	C	Fluoranthene	1.324	1.505	-13.7	121	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	125	0.00
77		Benzidine	0.710	0.668	5.9	108	0.00
78		Pyrene	1.404	1.480	-5.4	121	0.00
79	S	Terphenyl-d14	1.352	1.566	-15.8	128	0.00
80		Butylbenzylphthalate	0.526	0.540	-2.7	120	-0.01
81		Benzo(a)anthracene	1.377	1.499	-8.9	126	0.00
82		3,3'-Dichlorobenzidine	0.527	0.565	-7.2	121	0.00
83		Chrysene	1.275	1.361	-6.7	126	-0.01
84		Bis(2-ethylhexyl)phthalate	0.786	0.844	-7.4	125	0.00
85	c	Di-n-octyl phthalate	1.296	1.316	-1.5	120	-0.01
86	I	Perylene-d12	1.000	1.000	0.0	119	-0.01
87		Indeno(1,2,3-cd)pyrene	1.490	1.625	-9.1	121	-0.02
88		Benzo(b)fluoranthene	1.301	1.442	-10.8	122	0.00
89		Benzo(k)fluoranthene	1.316	1.449	-10.1	125	-0.01
90	C	Benzo(a)pyrene	1.218	1.322	-8.5	122	-0.01
91		Dibenzo(a,h)anthracene	1.215	1.331	-9.5	122	-0.02
92		Benzo(g,h,i)perylene	1.163	1.239	-6.5	120	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050060.D
Acq On : 01 May 2025 01:12
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: May 01 02:21:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 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_M\Data\BM043025\
Data File : BM050060.D
Acq On : 01 May 2025 01:12
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: May 01 02:21:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 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	109	0.00
2		1,4-Dioxane	40.000	42.515	-6.3	111	0.00
3		Pyridine	40.000	45.280	-13.2	117	0.00
4		n-Nitrosodimethylamine	40.000	46.711	-16.8	121	0.00
5	S	2-Fluorophenol	80.000	88.114	-10.1	114	0.00
6		Aniline	40.000	45.089	-12.7	115	0.00
7	S	Phenol-d6	80.000	92.257	-15.3	117	0.00
8		2-Chlorophenol	40.000	43.351	-8.4	111	0.00
9		Benzaldehyde	40.000	45.512	-13.8	116	0.00
10	C	Phenol	40.000	45.387	-13.5	117	0.00
11		bis(2-Chloroethyl)ether	40.000	44.278	-10.7	115	0.00
12		1,3-Dichlorobenzene	40.000	42.389	-6.0	110	0.00
13	C	1,4-Dichlorobenzene	40.000	42.607	-6.5	112	0.00
14		1,2-Dichlorobenzene	40.000	42.679	-6.7	111	0.00
15		Benzyl Alcohol	40.000	46.353	-15.9	117	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	46.627	-16.6	121	0.00
17		2-Methylphenol	40.000	45.066	-12.7	114	0.00
18		Hexachloroethane	40.000	43.323	-8.3	113	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	48.276	-20.7	121	0.00
20		3+4-Methylphenols	40.000	45.564	-13.9	116	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	110	0.00
22		Acetophenone	40.000	45.073	-12.7	116	0.00
23	S	Nitrobenzene-d5	80.000	92.740	-15.9	120	0.00
24		Nitrobenzene	40.000	45.805	-14.5	119	0.00
25		Isophorone	40.000	45.101	-12.8	118	0.00
26	C	2-Nitrophenol	40.000	44.073	-10.2	111	0.00
27		2,4-Dimethylphenol	40.000	44.448	-11.1	113	0.00
28		bis(2-Chloroethoxy)methane	40.000	44.603	-11.5	116	0.00
29	C	2,4-Dichlorophenol	40.000	43.874	-9.7	111	0.00
30		1,2,4-Trichlorobenzene	40.000	42.620	-6.5	112	0.00
31		Naphthalene	40.000	43.296	-8.2	114	0.00
32		Benzoic acid	40.000	44.186	-10.5	118	0.00
33		4-Chloroaniline	40.000	44.326	-10.8	115	0.00
34	C	Hexachlorobutadiene	40.000	42.435	-6.1	112	0.00
35		Caprolactam	40.000	43.889	-9.7	113	0.00
36	C	4-Chloro-3-methylphenol	40.000	44.613	-11.5	117	0.00
37		2-Methylnaphthalene	40.000	43.410	-8.5	114	0.00
38		1-Methylnaphthalene	40.000	43.328	-8.3	114	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	112	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	43.606	-9.0	114	0.00
41	P	Hexachlorocyclopentadiene	40.000	43.190	-8.0	112	-0.01
42	S	2,4,6-Tribromophenol	80.000	91.303	-14.1	119	0.00
43	C	2,4,6-Trichlorophenol	40.000	44.282	-10.7	114	0.00
44		2,4,5-Trichlorophenol	40.000	44.411	-11.0	114	0.00
45	S	2-Fluorobiphenyl	80.000	91.278	-14.1	120	0.00
46		1,1'-Biphenyl	40.000	43.489	-8.7	115	0.00
47		2-Chloronaphthalene	40.000	43.168	-7.9	114	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050060.D
Acq On : 01 May 2025 01:12
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: May 01 02:21:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 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	47.463	-18.7	122	0.00
49		Acenaphthylene	40.000	43.515	-8.8	115	0.00
50		Dimethylphthalate	40.000	42.921	-7.3	115	0.00
51		2,6-Dinitrotoluene	40.000	44.013	-10.0	114	0.00
52	C	Acenaphthene	40.000	44.005	-10.0	117	0.00
53		3-Nitroaniline	40.000	44.097	-10.2	111	0.00
54	P	2,4-Dinitrophenol	40.000	39.209	2.0	110	0.00
55		Dibenzofuran	40.000	43.601	-9.0	116	0.00
56	P	4-Nitrophenol	40.000	41.303	-3.3	114	-0.01
57		2,4-Dinitrotoluene	40.000	45.347	-13.4	116	0.00
58		Fluorene	40.000	45.696	-14.2	120	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	44.178	-10.4	117	0.00
60		Diethylphthalate	40.000	43.222	-8.1	116	0.00
61		4-Chlorophenyl-phenylether	40.000	45.862	-14.7	120	0.00
62		4-Nitroaniline	40.000	46.006	-15.0	114	0.00
63		Azobenzene	40.000	46.624	-16.6	124	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	114	0.00
65		4,6-Dinitro-2-methylphenol	40.000	41.955	-4.9	110	0.00
66	c	n-Nitrosodiphenylamine	40.000	43.828	-9.6	117	0.00
67		4-Bromophenyl-phenylether	40.000	43.251	-8.1	115	0.00
68		Hexachlorobenzene	40.000	42.817	-7.0	116	0.00
69		Atrazine	40.000	44.223	-10.6	118	0.00
70	C	Pentachlorophenol	40.000	44.406	-11.0	119	0.00
71		Phenanthrene	40.000	44.258	-10.6	120	0.00
72		Anthracene	40.000	44.674	-11.7	119	0.00
73		Carbazole	40.000	43.951	-9.9	117	0.00
74		Di-n-butylphthalate	40.000	44.404	-11.0	120	0.00
75	C	Fluoranthene	40.000	45.461	-13.7	121	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	125	0.00
77		Benzidine	40.000	37.638	5.9	108	0.00
78		Pyrene	40.000	42.156	-5.4	121	0.00
79	S	Terphenyl-d14	80.000	92.665	-15.8	128	0.00
80		Butylbenzylphthalate	40.000	41.069	-2.7	120	-0.01
81		Benzo(a)anthracene	40.000	43.546	-8.9	126	0.00
82		3,3'-Dichlorobenzidine	40.000	42.902	-7.3	121	0.00
83		Chrysene	40.000	42.697	-6.7	126	-0.01
84		Bis(2-ethylhexyl)phthalate	40.000	42.943	-7.4	125	0.00
85	c	Di-n-octyl phthalate	40.000	40.623	-1.6	120	-0.01
86	I	Perylene-d12	20.000	20.000	0.0	119	-0.01
87		Indeno(1,2,3-cd)pyrene	40.000	43.627	-9.1	121	-0.02
88		Benzo(b)fluoranthene	40.000	44.357	-10.9	122	0.00
89		Benzo(k)fluoranthene	40.000	44.050	-10.1	125	-0.01
90	C	Benzo(a)pyrene	40.000	43.401	-8.5	122	-0.01
91		Dibenzo(a,h)anthracene	40.000	43.824	-9.6	122	-0.02
92		Benzo(g,h,i)perylene	40.000	42.624	-6.6	120	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050060.D
Acq On : 01 May 2025 01:12
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: May 01 02:21:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 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: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG No.: Q1883

Instrument ID: BNA_P Calibration Date/Time: 05/05/2025 12:38

Lab File ID: BP024522.D Init. Calib. Date(s): 04/14/2025 04/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:06 17:13

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.210	1.171		-3.2	
Phenol-d6	1.656	1.555		-6.1	
Nitrobenzene-d5	0.351	0.347		-1.1	
Naphthalene	1.054	1.016		-3.6	
2-Methylnaphthalene	0.731	0.712		-2.6	
2-Fluorobiphenyl	1.306	1.264		-3.2	
Acenaphthylene	1.730	1.686		-2.5	
Acenaphthene	1.097	1.039		-5.3	20.0
Fluorene	1.388	1.335		-3.8	
2,4,6-Tribromophenol	0.277	0.323		16.6	
Phenanthrene	1.091	1.050		-3.8	
Anthracene	1.052	1.044		-0.8	
Fluoranthene	1.298	1.345		3.6	20.0
Pyrene	1.271	1.143		-10.1	
Terphenyl-d14	0.992	0.960		-3.2	
Benzo(a)anthracene	1.243	1.200		-3.5	
Chrysene	1.191	1.152		-3.3	
Benzo(b)fluoranthene	1.199	1.131		-5.7	
Benzo(k)fluoranthene	1.158	1.096		-5.4	
Benzo(a)pyrene	1.034	1.001		-3.2	20.0
Indeno(1,2,3-cd)pyrene	1.388	1.358		-2.2	
Dibenzo(a,h)anthracene	1.152	1.129		-2.0	
Benzo(g,h,i)perylene	1.173	1.152		-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\BP050525\
Data File : BP024522.D
Acq On : 05 May 2025 12:38
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: May 05 13:05:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.705	152	132437	20.000	ng		-0.02
21) Naphthalene-d8	10.475	136	539349	20.000	ng		-0.02
39) Acenaphthene-d10	14.340	164	358648	20.000	ng		-0.01
64) Phenanthrene-d10	17.151	188	715330	20.000	ng		0.00
76) Chrysene-d12	21.604	240	882732	20.000	ng		# 0.01
86) Perylene-d12	24.927	264	1072388	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.328	112	620420	77.458	ng		-0.02
7) Phenol-d6	6.899	99	823894	75.121	ng		-0.01
23) Nitrobenzene-d5	8.852	82	747857	79.065	ng		-0.02
42) 2,4,6-Tribromophenol	15.869	330	462897	93.287	ng		0.00
45) 2-Fluorobiphenyl	12.951	172	1813216	77.408	ng		-0.01
79) Terphenyl-d14	19.875	244	3389636	77.399	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.276	88	121212	35.777	ng		96
3) Pyridine	3.676	79	316441	35.372	ng		94
4) n-Nitrosodimethylamine	3.581	42	126596	42.639	ng		78
6) Aniline	7.046	93	366900	37.437	ng		98
8) 2-Chlorophenol	7.281	128	348215	38.938	ng		98
9) Benzaldehyde	6.864	77	227897	42.007	ng		95
10) Phenol	6.922	94	403296	36.656	ng		92
11) bis(2-Chloroethyl)ether	7.140	93	306380	34.563	ng		100
12) 1,3-Dichlorobenzene	7.599	146	367864	38.210	ng		99
13) 1,4-Dichlorobenzene	7.740	146	369994	37.877	ng		100
14) 1,2-Dichlorobenzene	8.058	146	361092	38.282	ng		99
15) Benzyl Alcohol	7.946	79	285104	40.197	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.234	45	331133	34.559	ng		99
17) 2-Methylphenol	8.152	107	272914	38.345	ng		98
18) Hexachloroethane	8.769	117	133738	37.884	ng		96
19) n-Nitroso-di-n-propyla...	8.505	70	248576	36.635	ng		95
20) 3+4-Methylphenols	8.475	107	377025	38.178	ng		97
22) Acetophenone	8.522	105	525529	39.368	ng	#	98
24) Nitrobenzene	8.899	77	358077	38.268	ng		97
25) Isophorone	9.416	82	655624	38.294	ng		98
26) 2-Nitrophenol	9.599	139	196984	43.018	ng		97
27) 2,4-Dimethylphenol	9.663	122	228268	39.701	ng		99
28) bis(2-Chloroethoxy)met...	9.893	93	411315	35.563	ng		99
29) 2,4-Dichlorophenol	10.140	162	320136	40.835	ng		98
30) 1,2,4-Trichlorobenzene	10.340	180	332331	39.565	ng		99
31) Naphthalene	10.528	128	1096383	38.590	ng		99
32) Benzoic acid	9.816	122	269510	40.228	ng		97
33) 4-Chloroaniline	10.640	127	403971	40.376	ng		99
34) Hexachlorobutadiene	10.810	225	207808	42.102	ng		99
35) Caprolactam	11.434	113	123328	42.634	ng		97
36) 4-Chloro-3-methylphenol	11.775	107	379400	41.549	ng		99
37) 2-Methylnaphthalene	12.140	142	768396	38.998	ng		98
38) 1-Methylnaphthalene	12.363	142	749001	38.858	ng		100
40) 1,2,4,5-Tetrachloroben...	12.510	216	386220	39.159	ng		100
41) Hexachlorocyclopentadiene	12.487	237	126536	36.275	ng		100
43) 2,4,6-Trichlorophenol	12.757	196	265918	40.552	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050525\
Data File : BP024522.D
Acq On : 05 May 2025 12:38
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: May 05 13:05:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

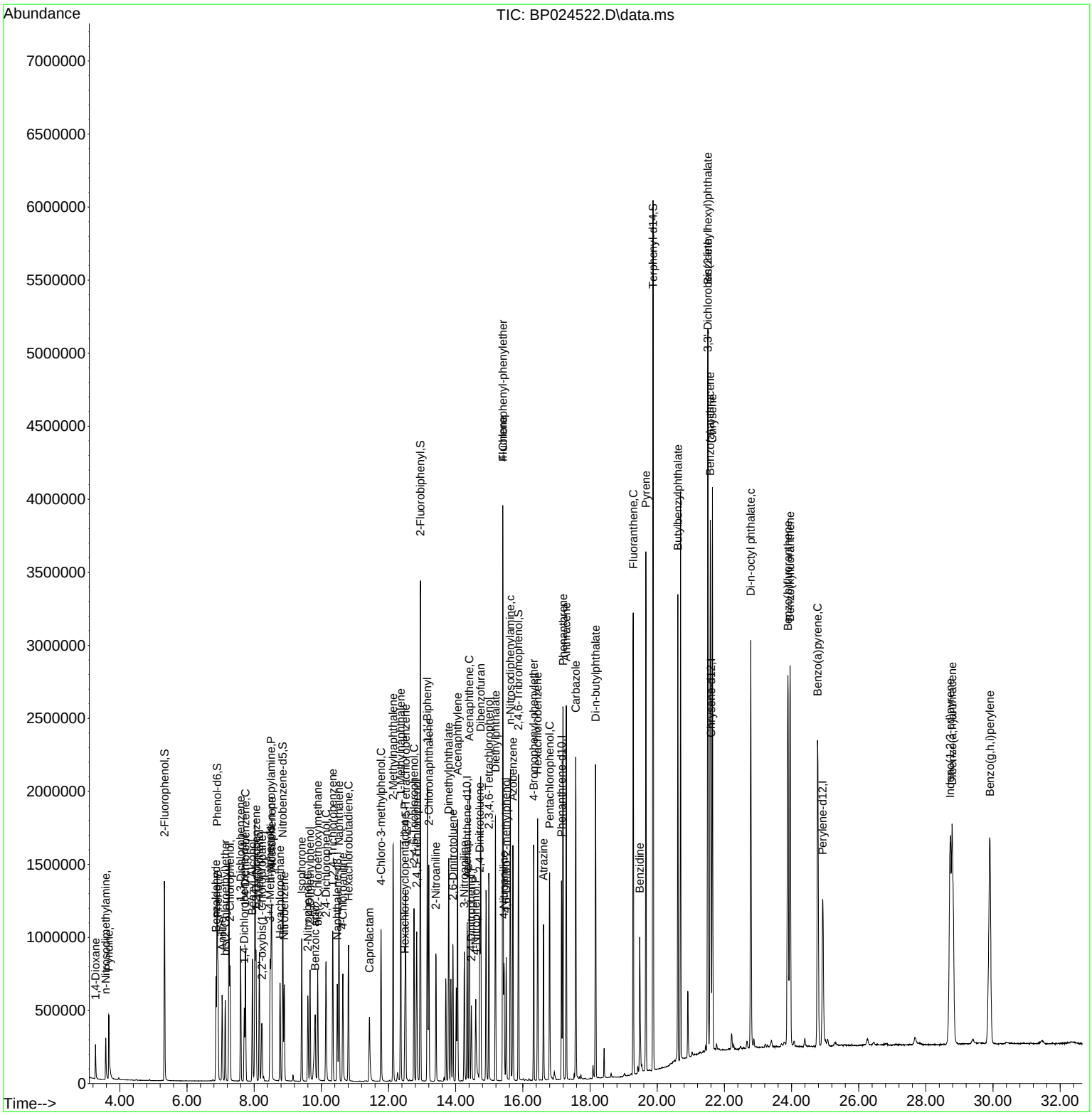
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.840	196	291771	40.181	ng		99
46) 1,1'-Biphenyl	13.157	154	996822	37.812	ng		98
47) 2-Chloronaphthalene	13.204	162	751741	38.154	ng		99
48) 2-Nitroaniline	13.410	65	232134	42.002	ng		92
49) Acenaphthylene	14.057	152	1209138	38.978	ng		100
50) Dimethylphthalate	13.793	163	1025676	39.326	ng		100
51) 2,6-Dinitrotoluene	13.916	165	223409	40.338	ng		96
52) Acenaphthene	14.404	154	745486	37.907	ng		98
53) 3-Nitroaniline	14.257	138	238177	40.918	ng		99
54) 2,4-Dinitrophenol	14.469	184	135885	41.652	ng		94
55) Dibenzofuran	14.746	168	1215274	37.805	ng		97
56) 4-Nitrophenol	14.598	139	204781	40.734	ng		87
57) 2,4-Dinitrotoluene	14.716	165	313164	41.451	ng		99
58) Fluorene	15.404	166	957243	38.466	ng		100
59) 2,3,4,6-Tetrachlorophenol	14.987	232	270913	40.451	ng		99
60) Diethylphthalate	15.187	149	1061854	39.507	ng		100
61) 4-Chlorophenyl-phenyle...	15.404	204	472625	39.111	ng		99
62) 4-Nitroaniline	15.440	138	264096	42.858	ng		88
63) Azobenzene	15.704	77	909080	36.799	ng		96
65) 4,6-Dinitro-2-methylph...	15.504	198	186357	41.322	ng		95
66) n-Nitrosodiphenylamine	15.628	169	817880	38.306	ng		99
67) 4-Bromophenyl-phenylether	16.322	248	317430	40.574	ng		97
68) Hexachlorobenzene	16.440	284	391978	42.165	ng		99
69) Atrazine	16.616	200	216677	39.846	ng		97
70) Pentachlorophenol	16.798	266	279598	43.112	ng		99
71) Phenanthrene	17.198	178	1501631	38.480	ng		99
72) Anthracene	17.292	178	1493914	39.721	ng		99
73) Carbazole	17.575	167	1492224	40.606	ng		99
74) Di-n-butylphthalate	18.169	149	1940609	42.387	ng		100
75) Fluoranthene	19.286	202	1924412	41.464	ng		96
77) Benzidine	19.481	184	658085	58.813	ng		99
78) Pyrene	19.663	202	2017997	35.972	ng		99
80) Butylbenzylphthalate	20.616	149	962897	40.073	ng		94
81) Benzo(a)anthracene	21.580	228	2118786	38.617	ng		99
82) 3,3'-Dichlorobenzidine	21.504	252	834874	43.353	ng		99
83) Chrysene	21.645	228	2034193	38.698	ng		99
84) Bis(2-ethylhexyl)phtha...	21.510	149	1436161	40.771	ng		100
85) Di-n-octyl phthalate	22.786	149	2491117	43.501	ng		100
87) Indeno(1,2,3-cd)pyrene	28.721	276	2911665	39.109	ng	#	96
88) Benzo(b)fluoranthene	23.892	252	2425230	37.729	ng	#	97
89) Benzo(k)fluoranthene	23.957	252	2349778	37.844	ng	#	97
90) Benzo(a)pyrene	24.774	252	2146872	38.719	ng		98
91) Dibenzo(a,h)anthracene	28.786	278	2420922	39.176	ng		97
92) Benzo(g,h,i)perylene	29.909	276	2470173	39.272	ng	#	94

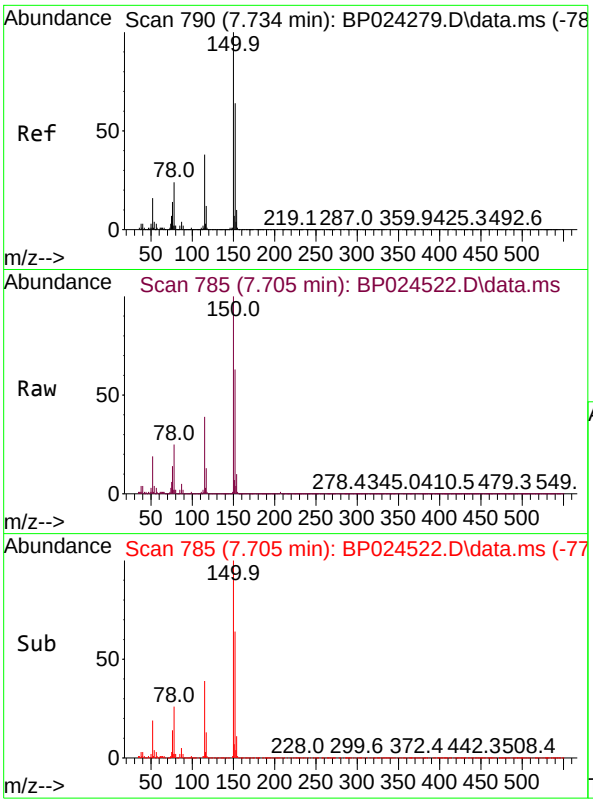
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050525\
Data File : BP024522.D
Acq On : 05 May 2025 12:38
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: May 05 13:05:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration



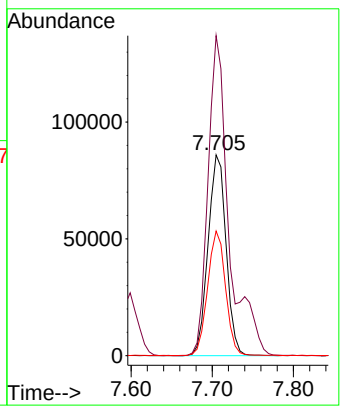


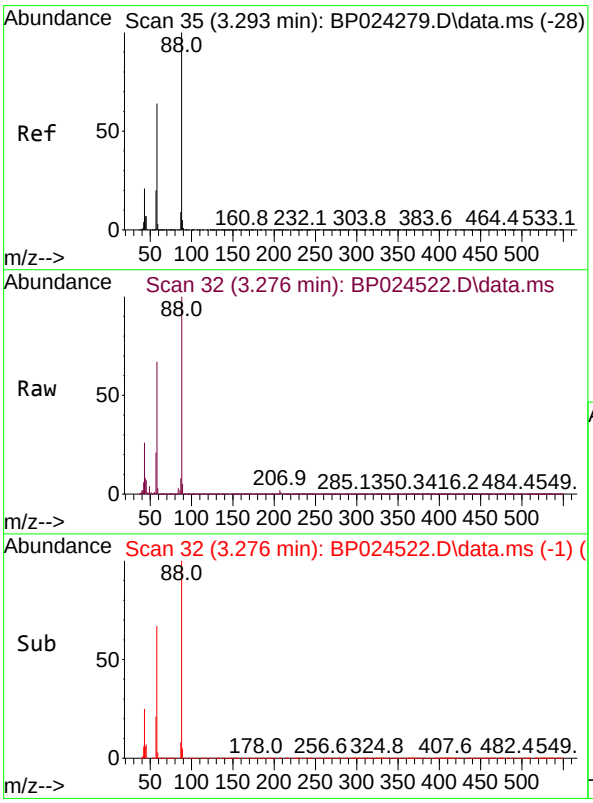
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.705 min Scan# 7
Delta R.T. -0.017 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 132437

Ion	Ratio	Lower	Upper
152	100		
150	159.3	124.9	187.3
115	62.1	47.7	71.5

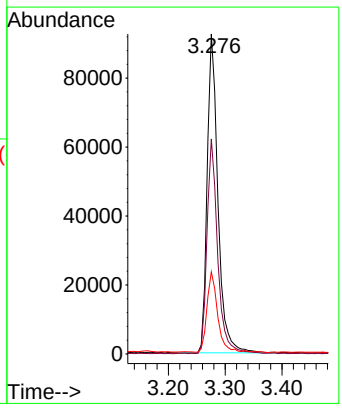


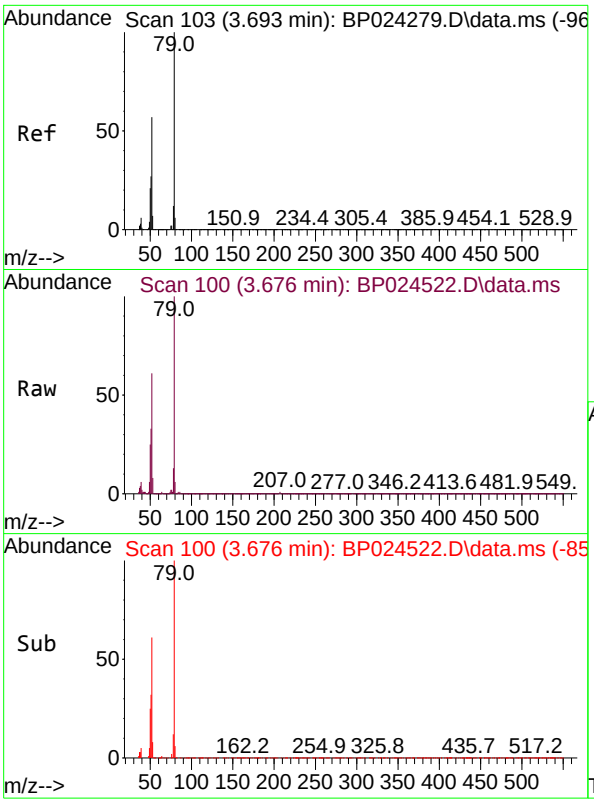


#2
1,4-Dioxane
Concen: 35.777 ng
RT: 3.276 min Scan# 32
Delta R.T. -0.012 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion: 88 Resp: 121212

Ion	Ratio	Lower	Upper
88	100		
58	66.8	51.4	77.2
43	24.8	17.1	25.7



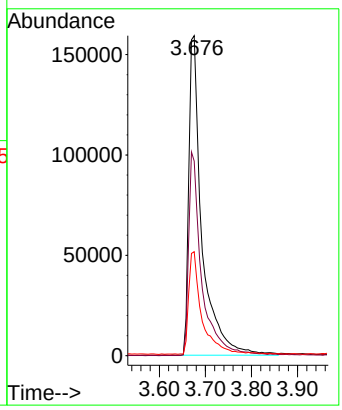


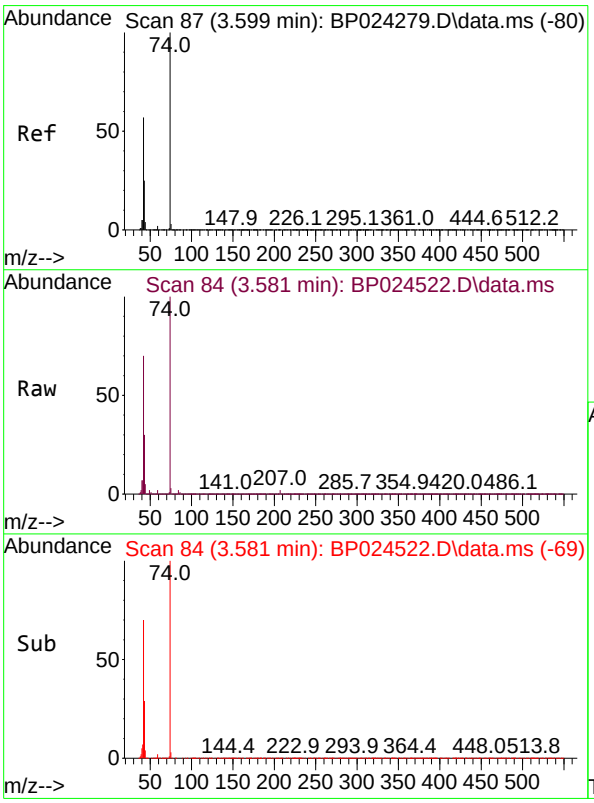
#3
Pyridine
Concen: 35.372 ng
RT: 3.676 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 316441

Ion	Ratio	Lower	Upper
79	100		
52	60.8	45.4	68.2
51	32.5	22.6	33.8

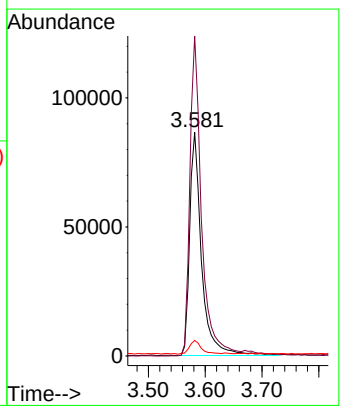


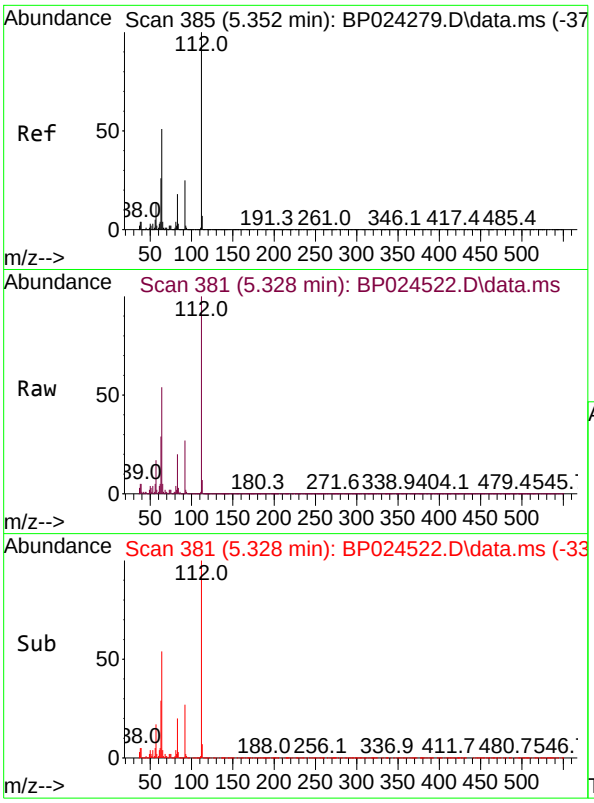


#4
n-Nitrosodimethylamine
Concen: 42.639 ng
RT: 3.581 min Scan# 84
Delta R.T. -0.012 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion: 42 Resp: 126596

Ion	Ratio	Lower	Upper
42	100		
74	143.0	139.5	209.3
44	6.9	5.8	8.8



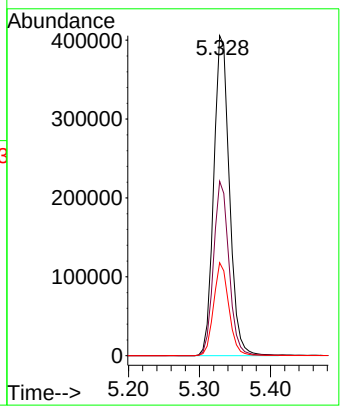


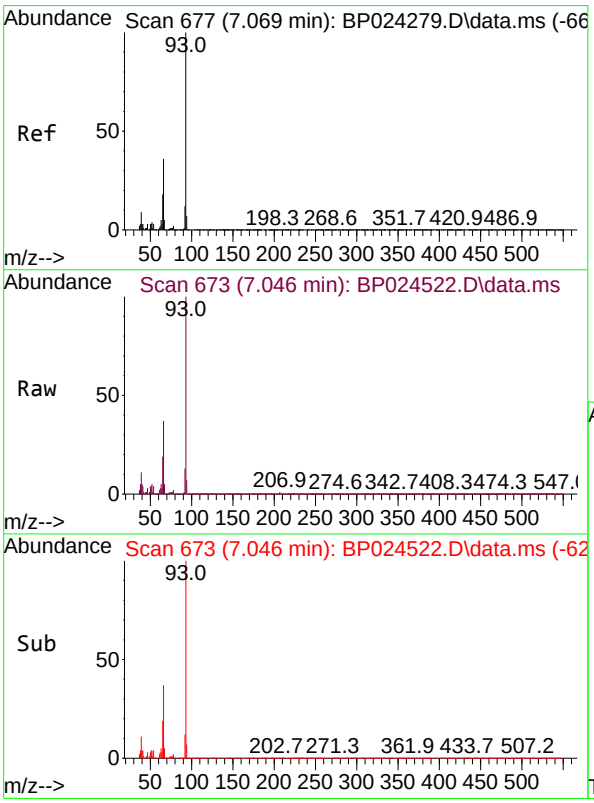
#5
2-Fluorophenol
Concen: 77.458 ng
RT: 5.328 min Scan# 3
Delta R.T. -0.017 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 620420

Ion	Ratio	Lower	Upper
112	100		
64	54.5	41.1	61.7
63	29.1	20.6	30.8

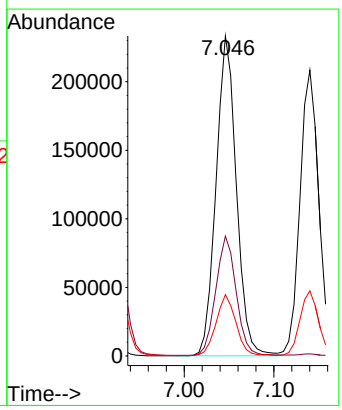


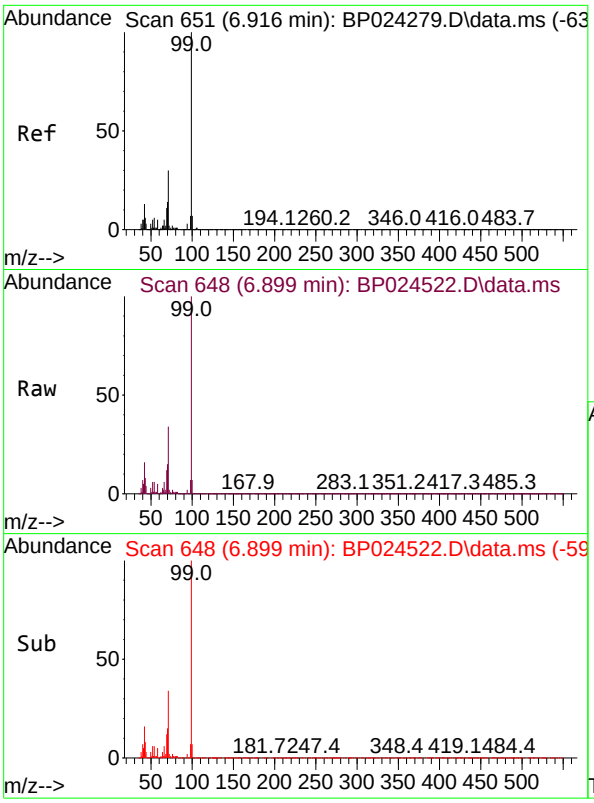


#6
Aniline
Concen: 37.437 ng
RT: 7.046 min Scan# 673
Delta R.T. -0.017 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion: 93 Resp: 366900

Ion	Ratio	Lower	Upper
93	100		
66	37.5	29.1	43.7
65	19.2	14.7	22.1



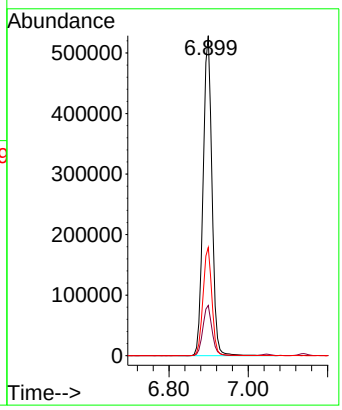


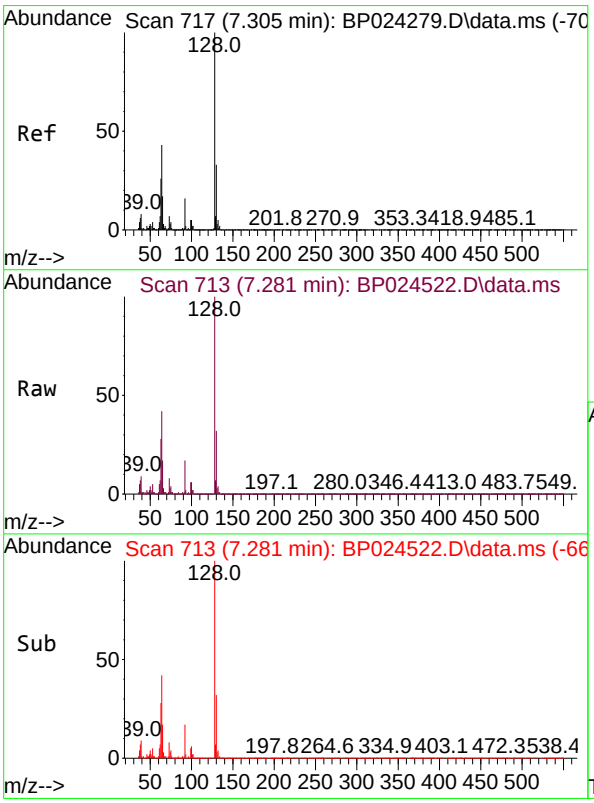
#7
Phenol-d6
Concen: 75.121 ng
RT: 6.899 min Scan# 64
Delta R.T. -0.012 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 823894

Ion	Ratio	Lower	Upper
99	100		
42	15.7	10.6	16.0
71	33.8	23.7	35.5

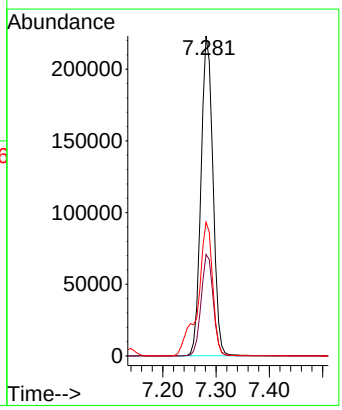


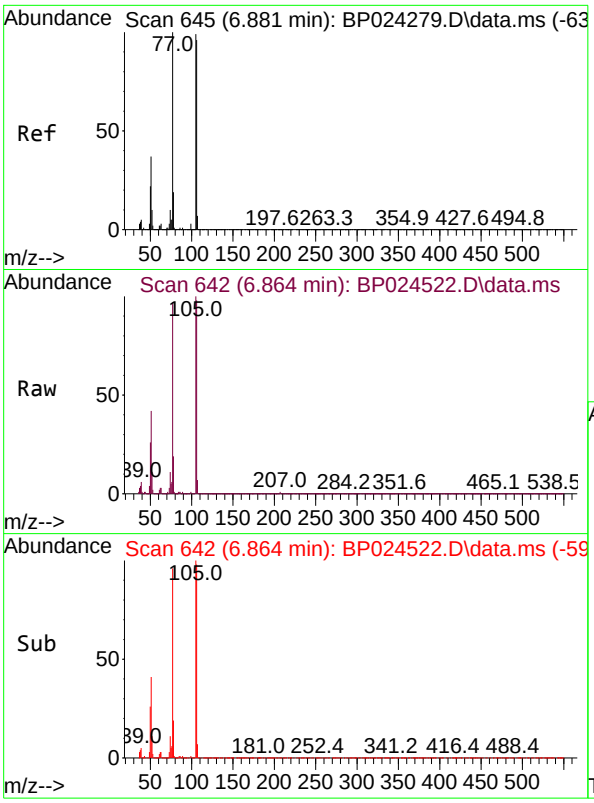


#8
2-Chlorophenol
Concen: 38.938 ng
RT: 7.281 min Scan# 713
Delta R.T. -0.017 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion:128 Resp: 348215

Ion	Ratio	Lower	Upper
128	100		
130	31.7	12.9	52.9
64	41.8	22.7	62.7



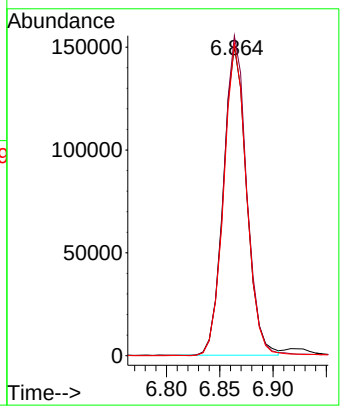


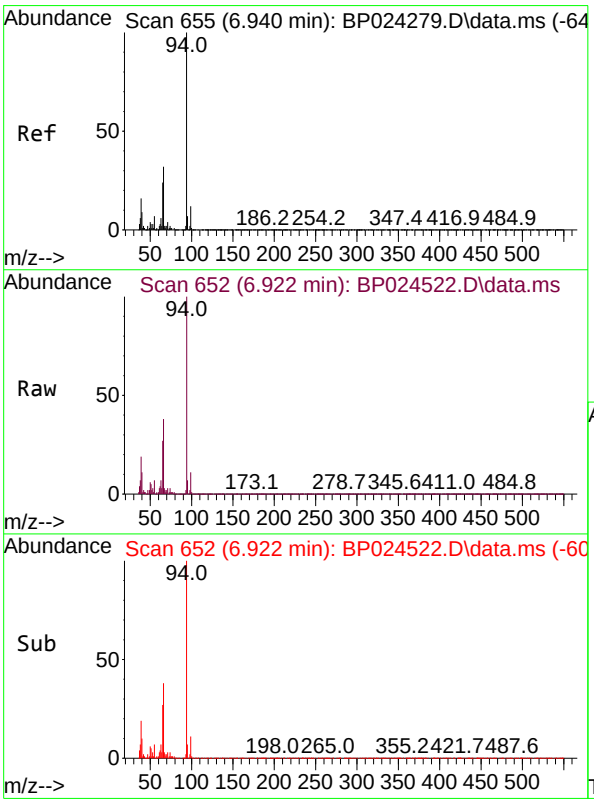
#9
Benzaldehyde
Concen: 42.007 ng
RT: 6.864 min Scan# 64
Delta R.T. -0.017 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 227897

Ion	Ratio	Lower	Upper
77	100		
105	103.6	79.2	119.2
106	101.1	76.2	116.2

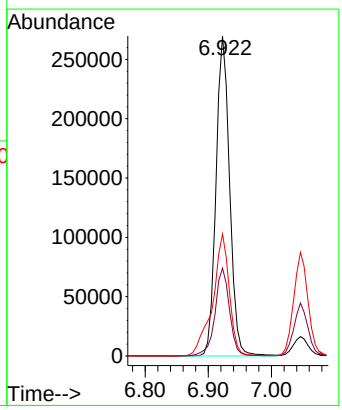


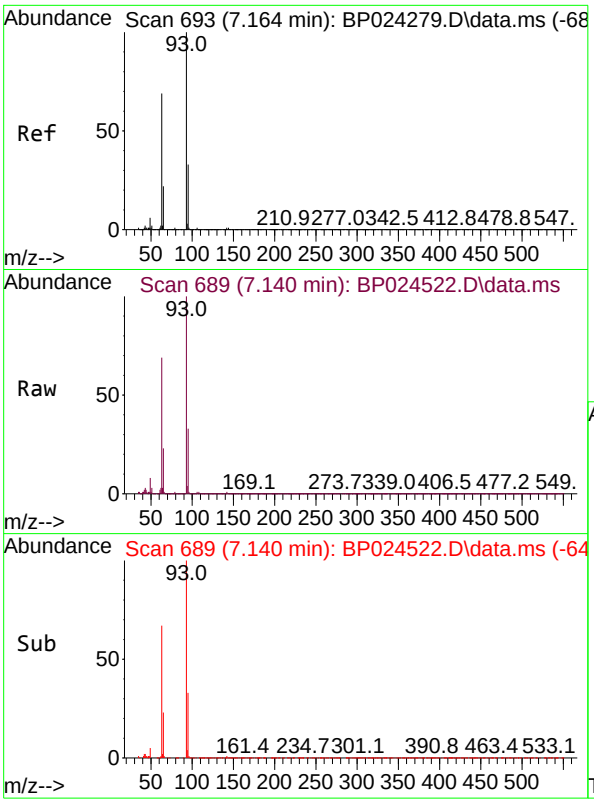


#10
Phenol
Concen: 36.656 ng
RT: 6.922 min Scan# 652
Delta R.T. -0.017 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion: 94 Resp: 403296

Ion	Ratio	Lower	Upper
94	100		
65	27.4	4.5	44.5
66	38.1	12.4	52.4



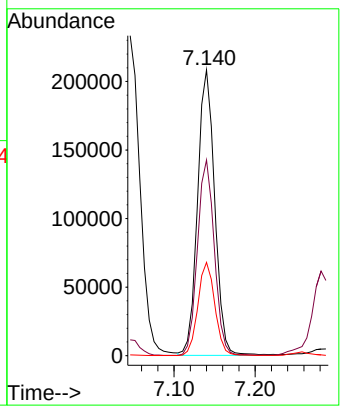


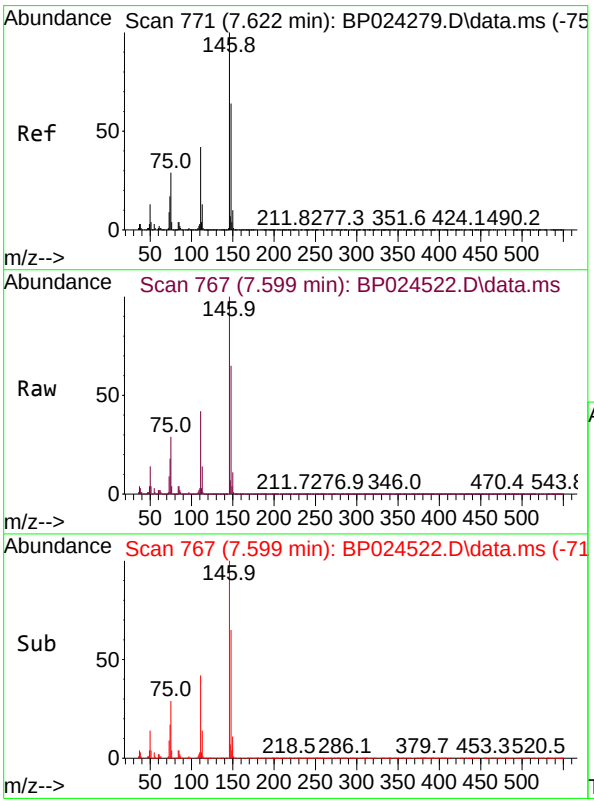
#11
bis(2-Chloroethyl)ether
Concen: 34.563 ng
RT: 7.140 min Scan# 6
Delta R.T. -0.017 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 306380

Ion	Ratio	Lower	Upper
93	100		
63	68.5	48.6	88.6
95	32.6	12.3	52.3

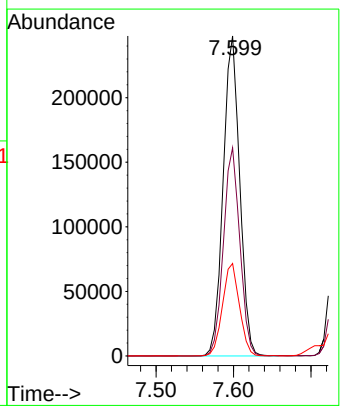


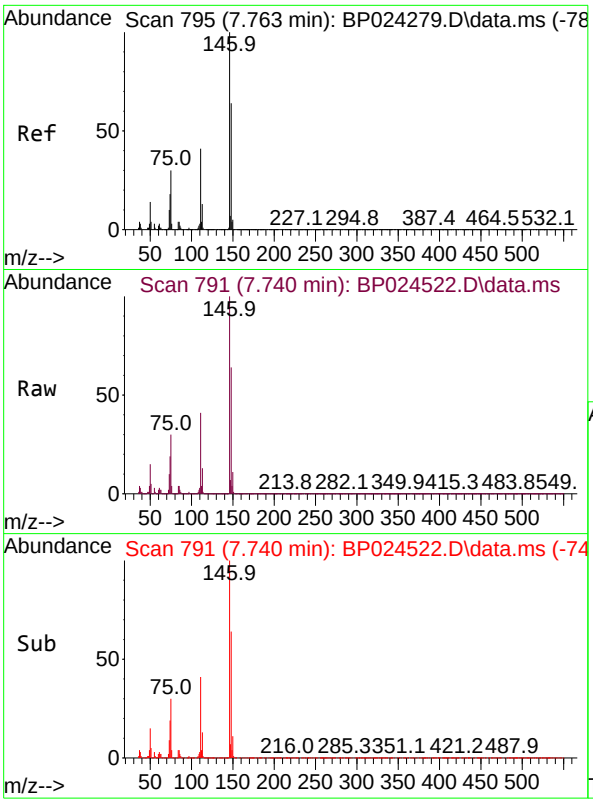


#12
1,3-Dichlorobenzene
Concen: 38.210 ng
RT: 7.599 min Scan# 767
Delta R.T. -0.017 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion:146 Resp: 367864

Ion	Ratio	Lower	Upper
146	100		
148	65.1	51.4	77.0
75	28.9	22.9	34.3



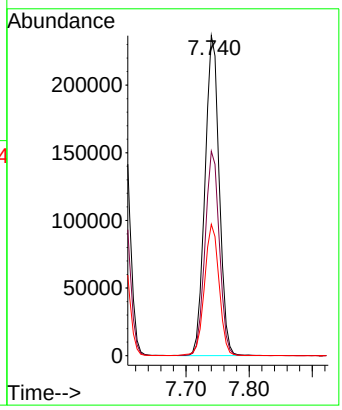


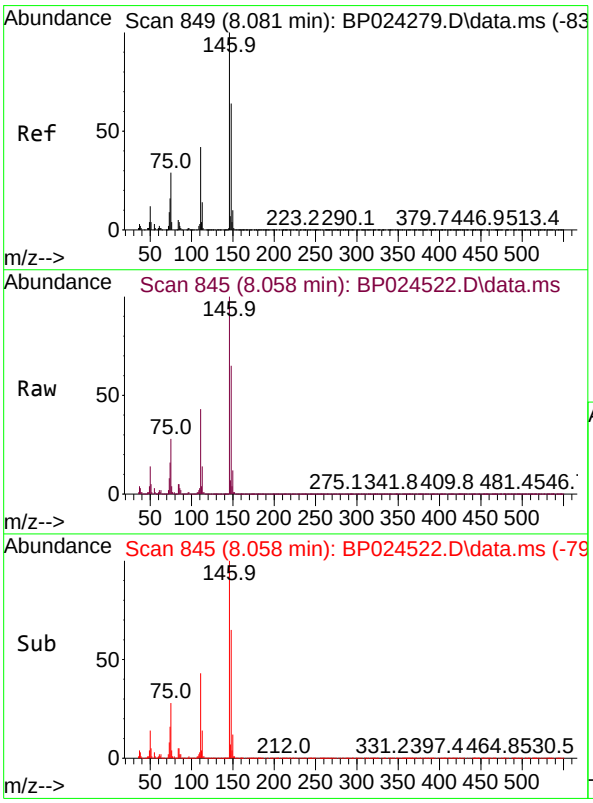
#13
1,4-Dichlorobenzene
Concen: 37.877 ng
RT: 7.740 min Scan# 7
Delta R.T. -0.017 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 369994

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.1	76.7
111	41.1	32.6	48.8

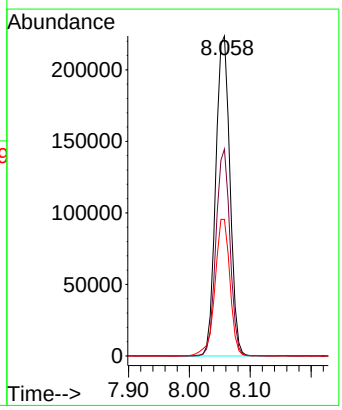


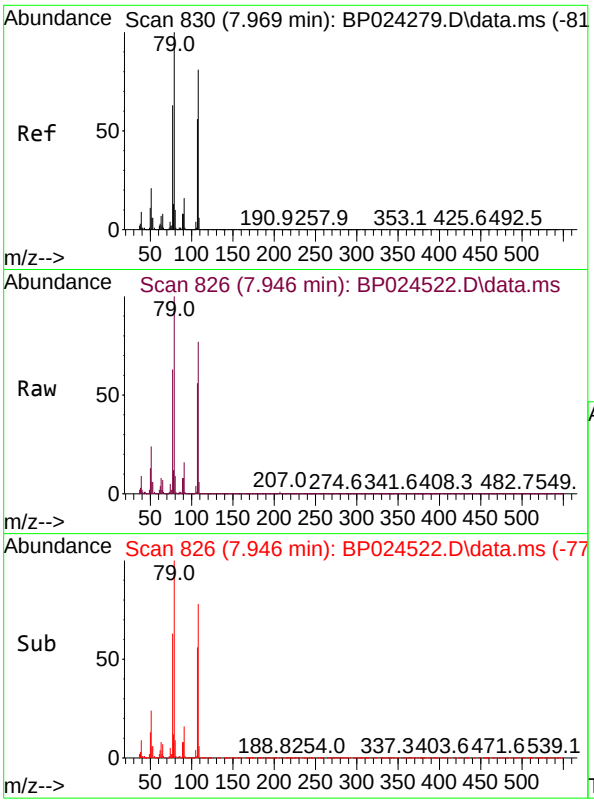


#14
1,2-Dichlorobenzene
Concen: 38.282 ng
RT: 8.058 min Scan# 845
Delta R.T. -0.017 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion:146 Resp: 361092

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.0	76.4
111	42.7	33.8	50.8



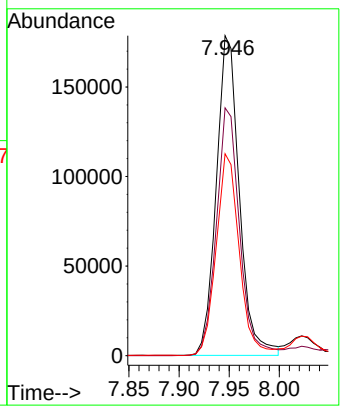


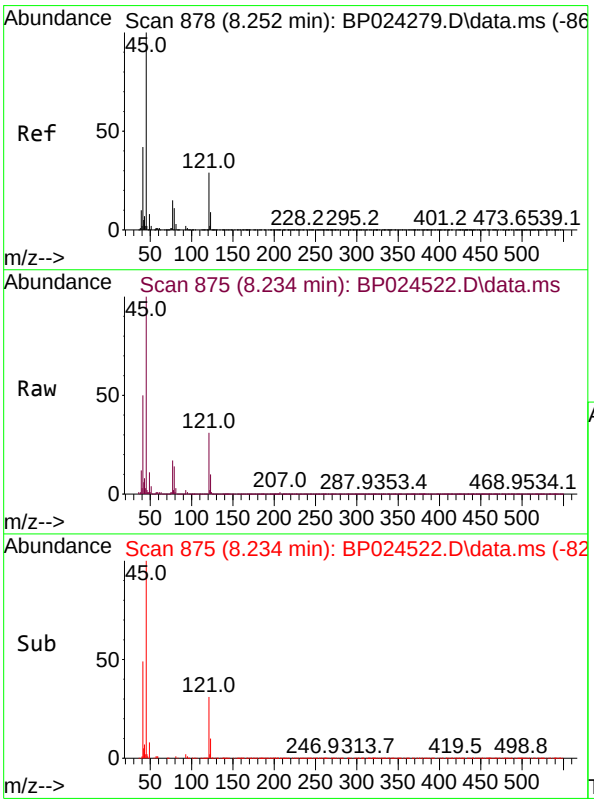
#15
Benzyl Alcohol
Concen: 40.197 ng
RT: 7.946 min Scan# 8
Delta R.T. -0.017 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 285104

Ion	Ratio	Lower	Upper
79	100		
108	77.5	65.1	97.7
77	63.1	50.7	76.1

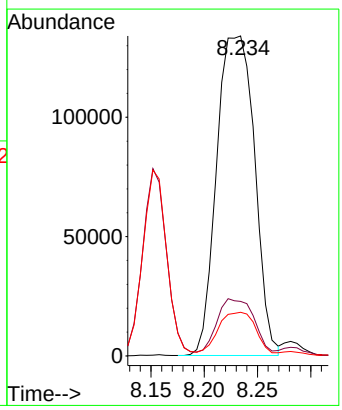


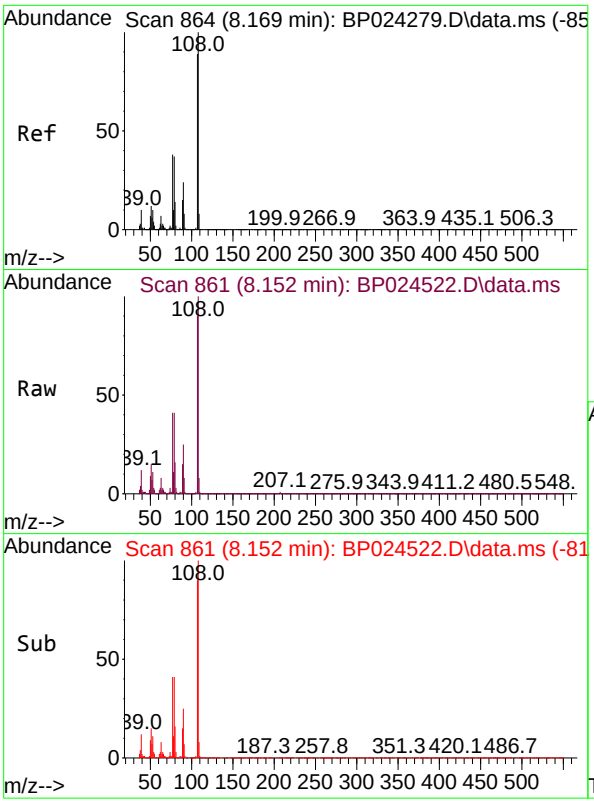


#16
2,2'-oxybis(1-Chloropropane)
Concen: 34.559 ng
RT: 8.234 min Scan# 875
Delta R.T. -0.012 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion: 45 Resp: 331133

Ion	Ratio	Lower	Upper
45	100		
77	17.1	0.0	37.7
79	13.6	0.0	33.5



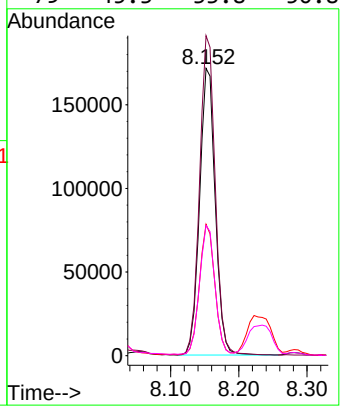


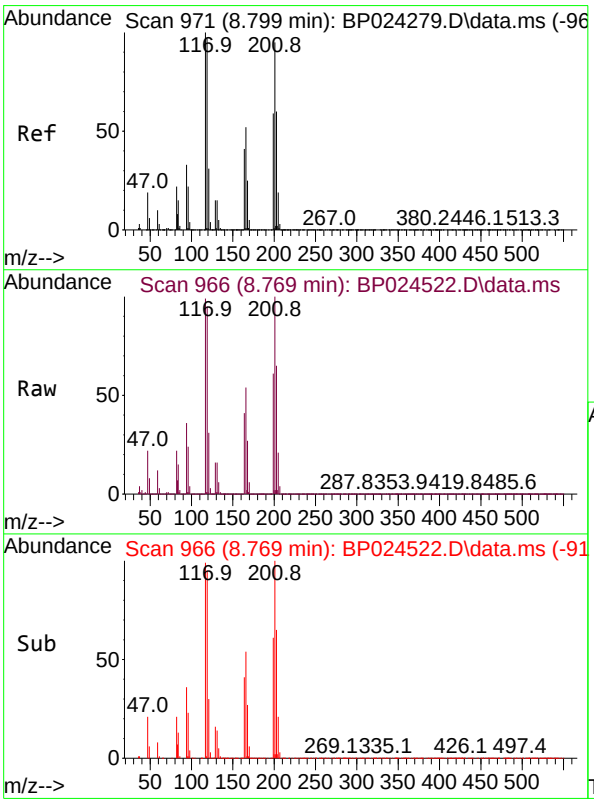
#17
2-Methylphenol
Concen: 38.345 ng
RT: 8.152 min Scan# 8
Delta R.T. -0.017 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 272914

Ion	Ratio	Lower	Upper
107	100		
108	111.4	89.8	134.6
77	45.7	34.2	51.4
79	45.3	33.8	50.8

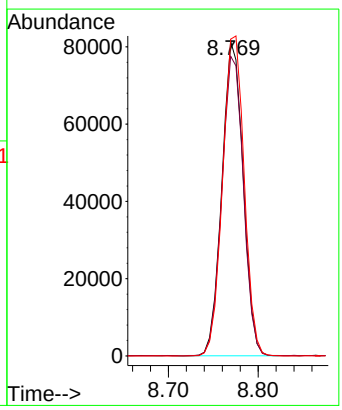


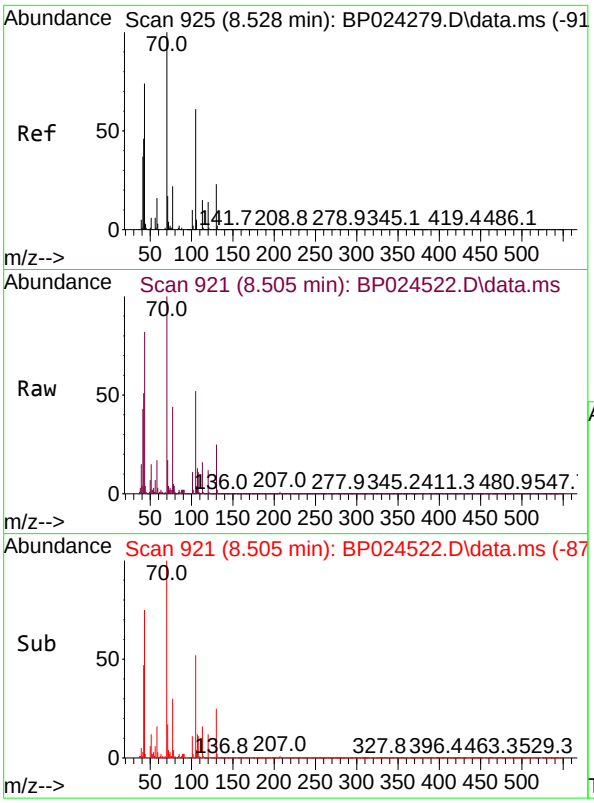


#18
Hexachloroethane
Concen: 37.884 ng
RT: 8.769 min Scan# 966
Delta R.T. -0.023 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion:117 Resp: 133738

Ion	Ratio	Lower	Upper
117	100		
119	95.3	77.8	116.6
201	100.7	75.9	113.9



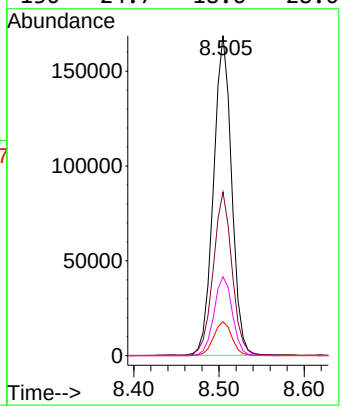


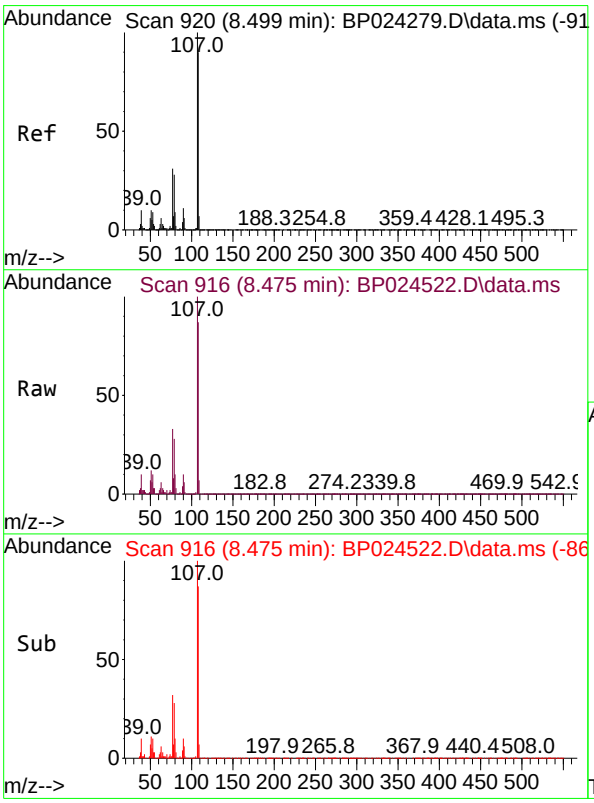
#19
n-Nitroso-di-n-propylamine
Concen: 36.635 ng
RT: 8.505 min Scan# 9
Delta R.T. -0.017 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 248576

Ion	Ratio	Lower	Upper
70	100		
42	51.2	37.3	55.9
101	10.6	8.2	12.4
130	24.7	18.6	28.0

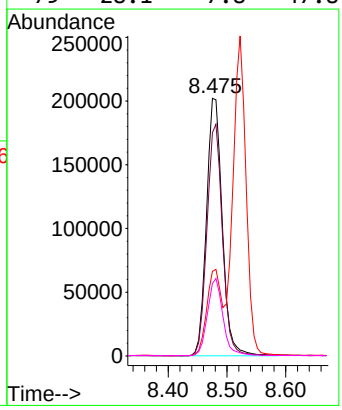


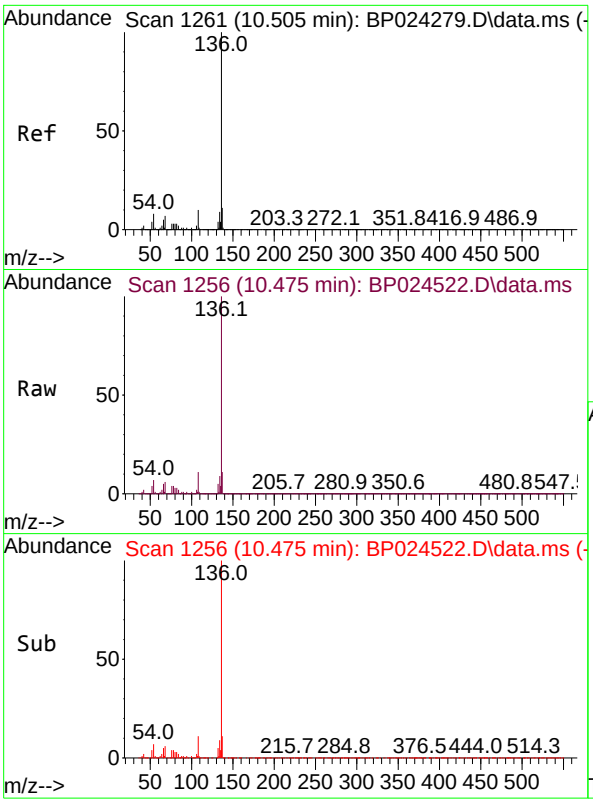


#20
3+4-Methylphenols
Concen: 38.178 ng
RT: 8.475 min Scan# 916
Delta R.T. -0.017 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion:107 Resp: 377025

Ion	Ratio	Lower	Upper
107	100		
108	86.7	69.8	109.8
77	32.9	11.5	51.5
79	28.1	7.8	47.8



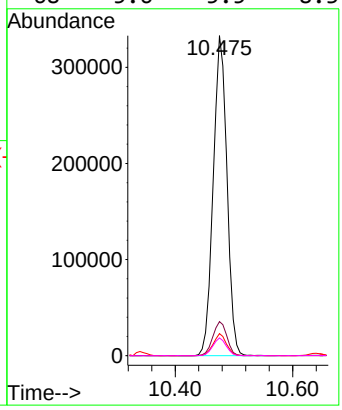


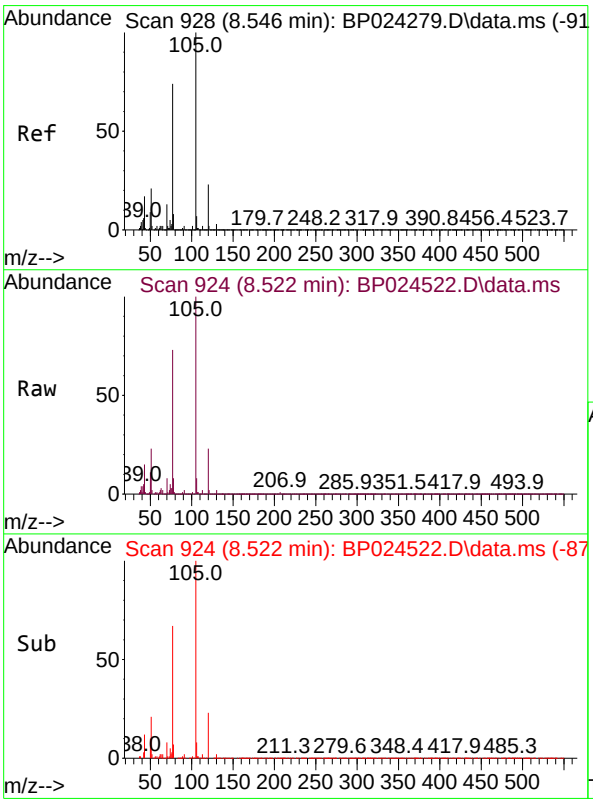
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.475 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 539349

Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	6.9	6.0	9.0
68	5.6	5.5	8.3

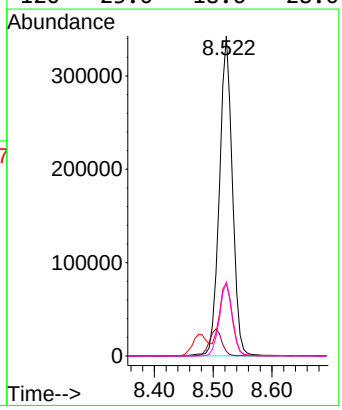


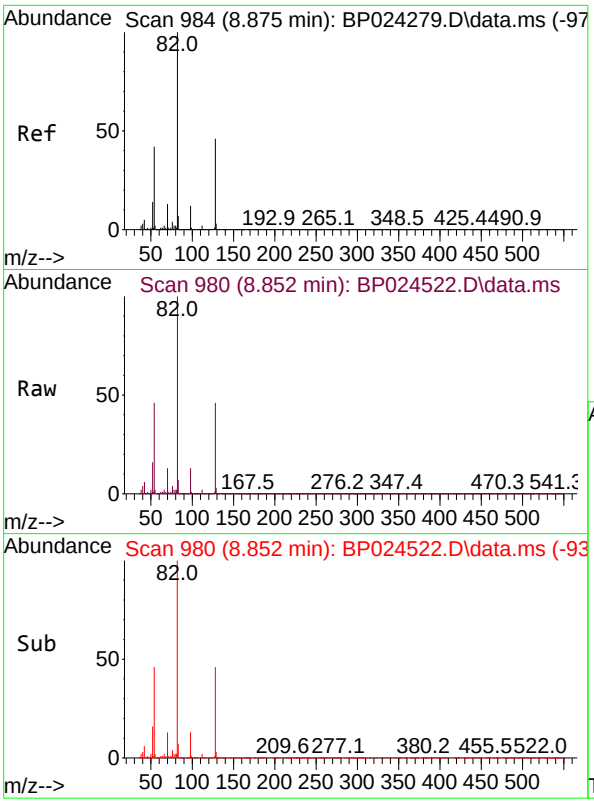


#22
Acetophenone
Concen: 39.368 ng
RT: 8.522 min Scan# 924
Delta R.T. -0.017 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion:105 Resp: 525529

Ion	Ratio	Lower	Upper
105	100		
71	1.5	1.7	2.5#
51	22.7	16.9	25.3
120	23.0	18.6	28.0



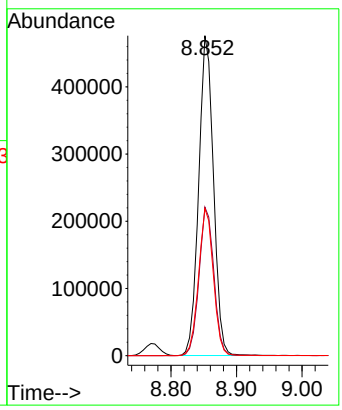


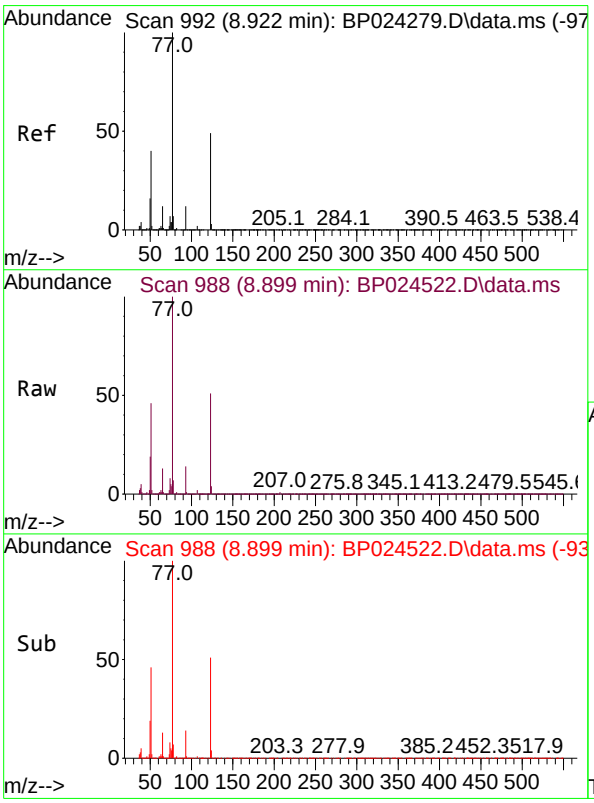
#23
Nitrobenzene-d5
Concen: 79.065 ng
RT: 8.852 min Scan# 9
Delta R.T. -0.017 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 747857

Ion	Ratio	Lower	Upper
82	100		
128	46.4	36.5	54.7
54	46.0	33.4	50.2

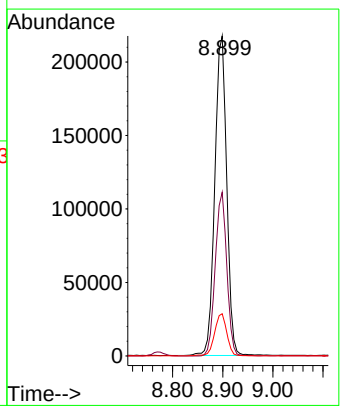


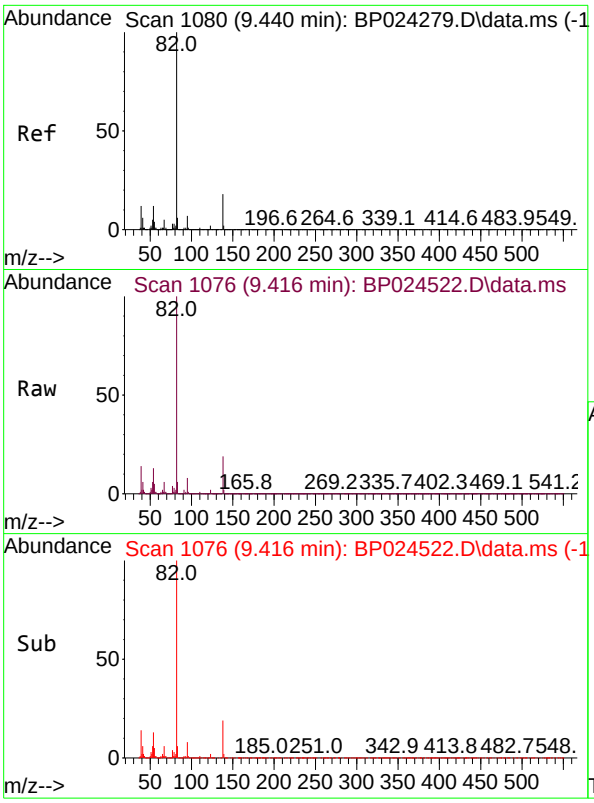


#24
Nitrobenzene
Concen: 38.268 ng
RT: 8.899 min Scan# 988
Delta R.T. -0.012 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion: 77 Resp: 358077

Ion	Ratio	Lower	Upper
77	100		
123	51.1	39.2	58.8
65	13.2	9.8	14.6



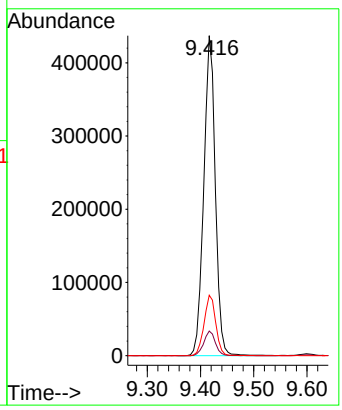


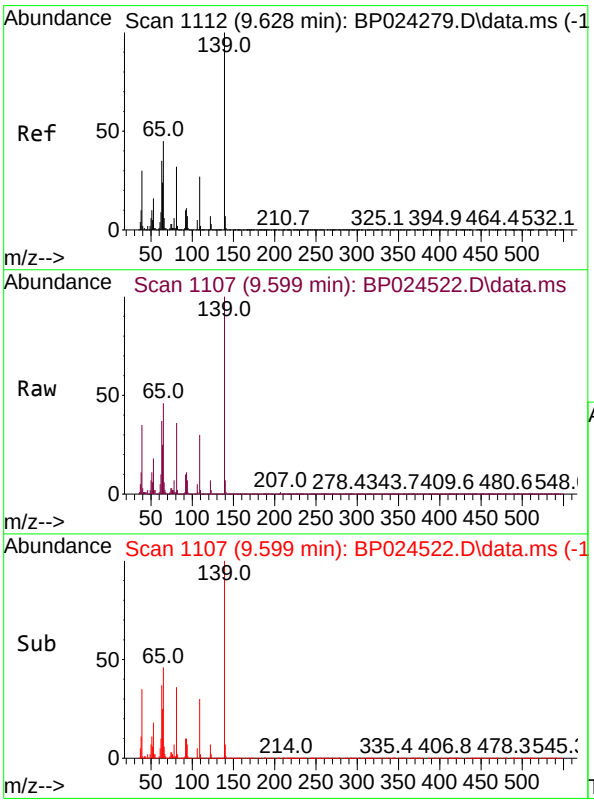
#25
Isophorone
Concen: 38.294 ng
RT: 9.416 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 655624

Ion	Ratio	Lower	Upper
82	100		
95	7.7	5.4	8.2
138	18.9	14.4	21.6

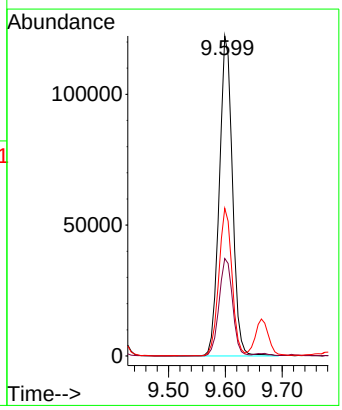


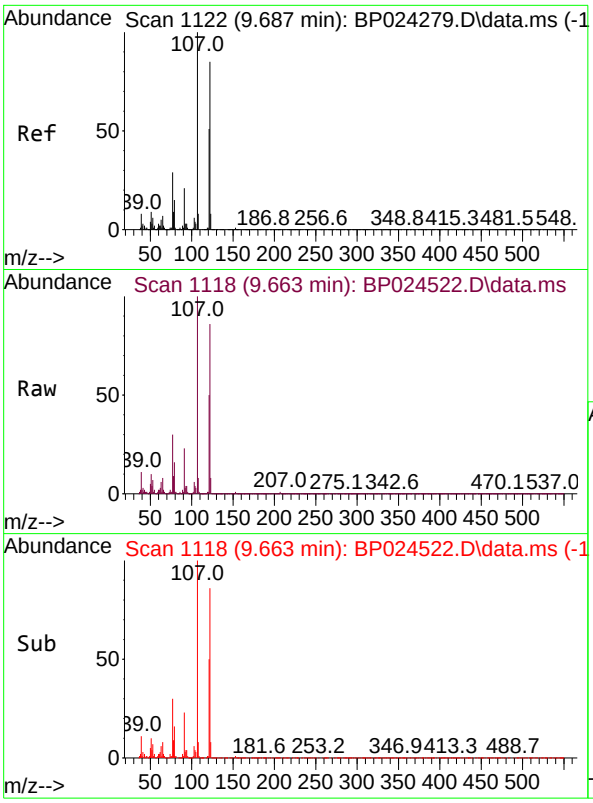


#26
2-Nitrophenol
Concen: 43.018 ng
RT: 9.599 min Scan# 1107
Delta R.T. -0.017 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion:139 Resp: 196984

Ion	Ratio	Lower	Upper
139	100		
109	30.4	21.8	32.6
65	46.2	36.2	54.2



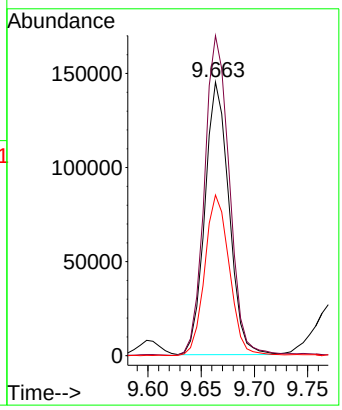


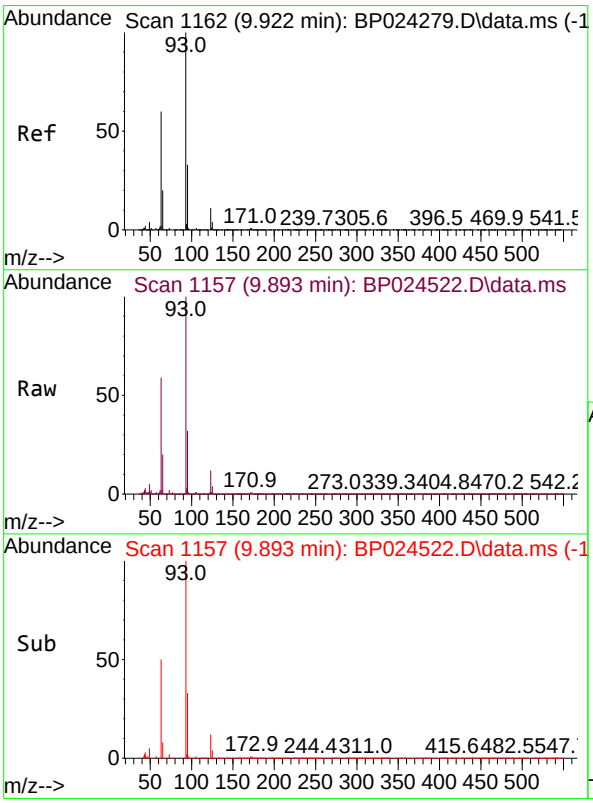
#27
2,4-Dimethylphenol
Concen: 39.701 ng
RT: 9.663 min Scan# 11
Delta R.T. -0.017 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 228268

Ion	Ratio	Lower	Upper
122	100		
107	116.9	93.7	140.5
121	58.7	48.2	72.2

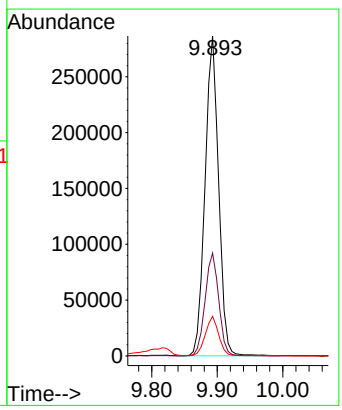


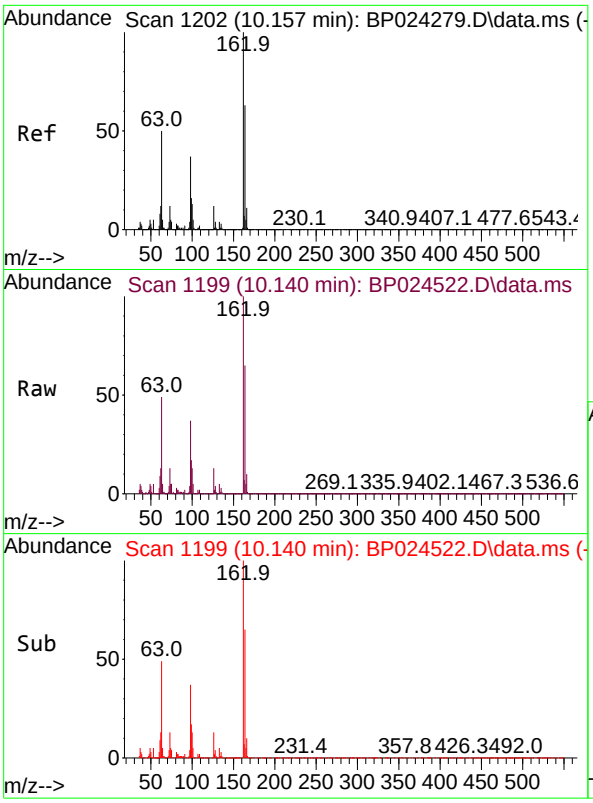


#28
bis(2-Chloroethoxy)methane
Concen: 35.563 ng
RT: 9.893 min Scan# 1157
Delta R.T. -0.017 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion: 93 Resp: 411315

Ion	Ratio	Lower	Upper
93	100		
95	32.2	26.0	39.0
123	12.4	9.1	13.7



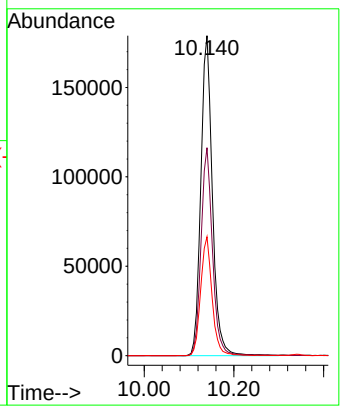


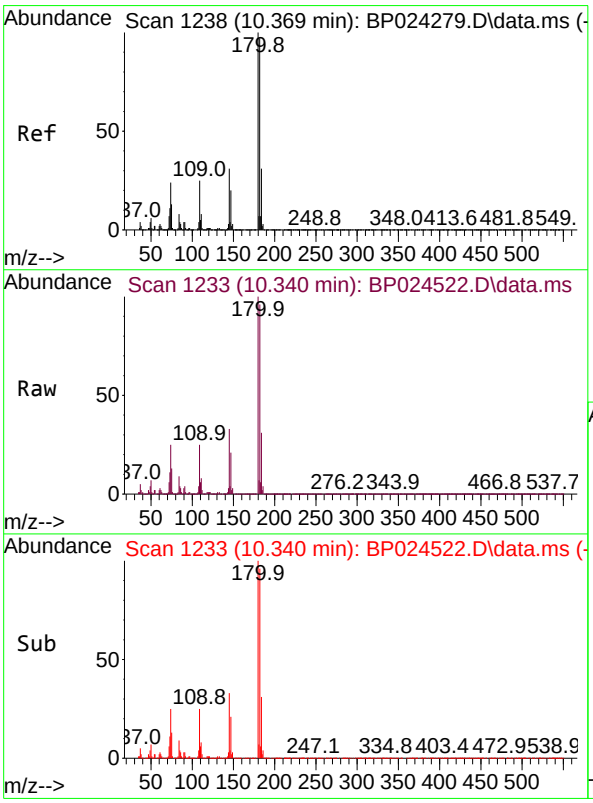
#29
2,4-Dichlorophenol
Concen: 40.835 ng
RT: 10.140 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 320136

Ion	Ratio	Lower	Upper
162	100		
164	65.0	43.3	83.3
98	37.2	16.6	56.6

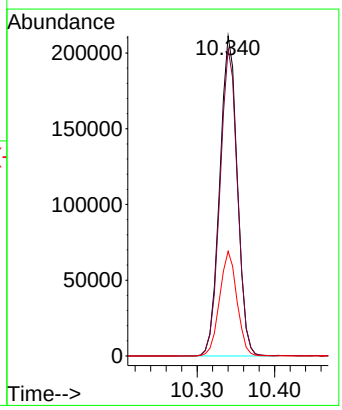


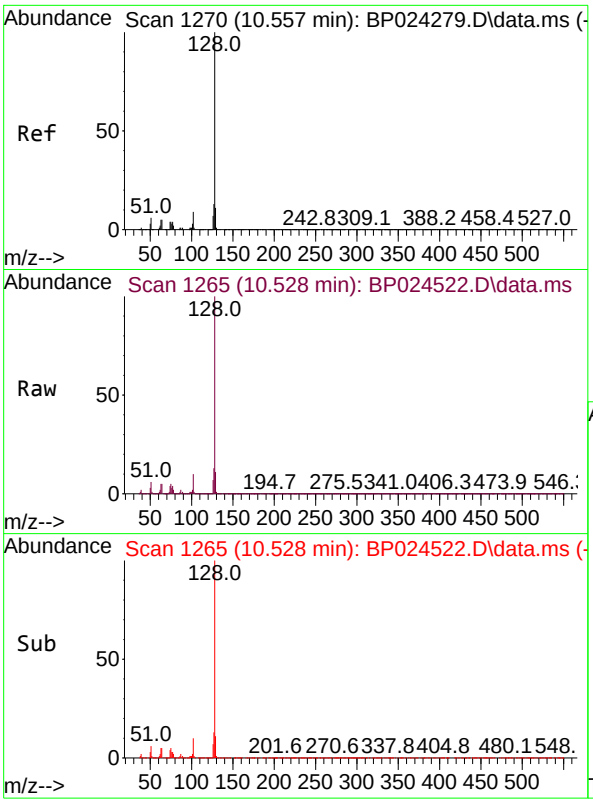


#30
1,2,4-Trichlorobenzene
Concen: 39.565 ng
RT: 10.340 min Scan# 1233
Delta R.T. -0.023 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion:180 Resp: 332331

Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.3	115.9
145	32.7	25.1	37.7



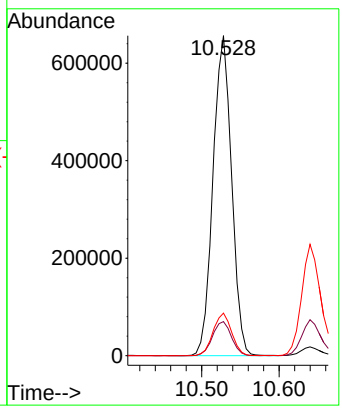


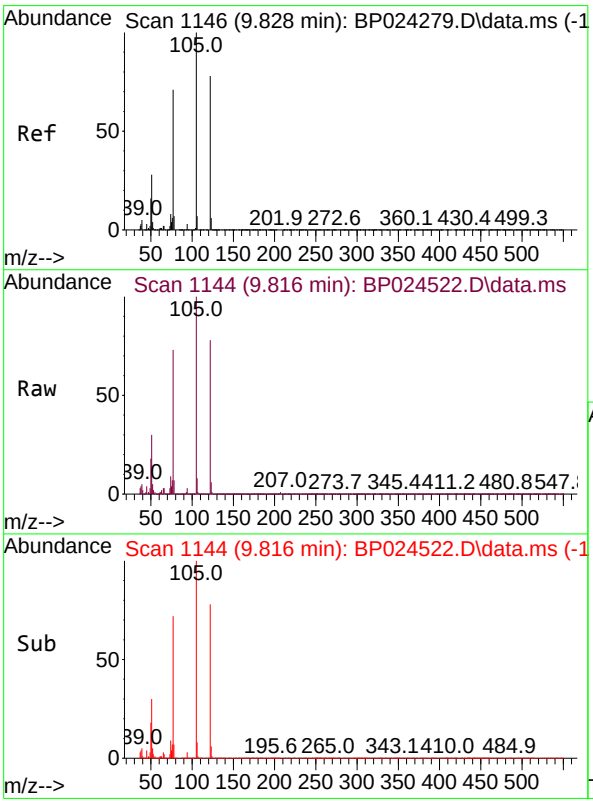
#31
Naphthalene
Concen: 38.590 ng
RT: 10.528 min Scan# 1
Delta R.T. -0.017 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 1096383

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	13.0
127	13.3	10.3	15.5

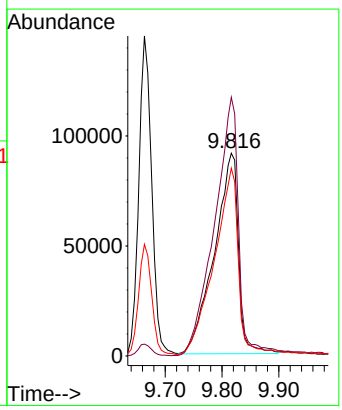


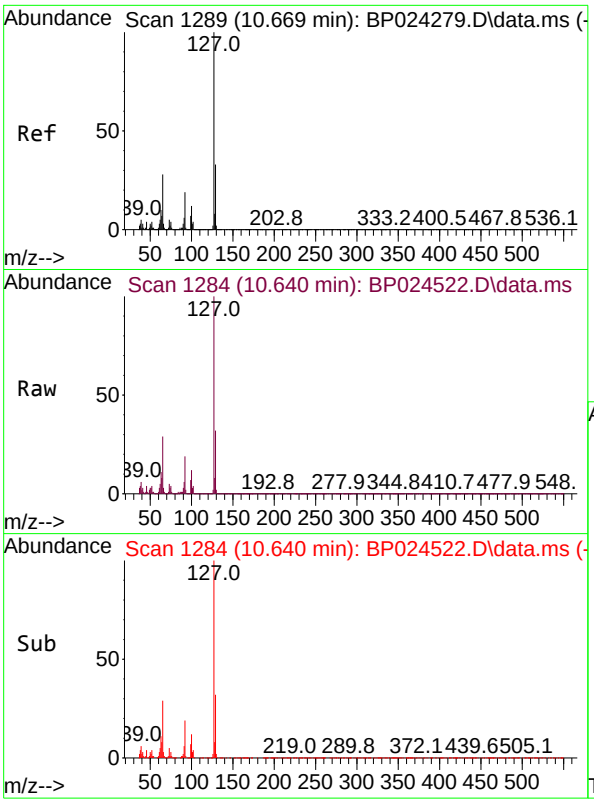


#32
Benzoic acid
Concen: 40.228 ng
RT: 9.816 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion:122 Resp: 269510

Ion	Ratio	Lower	Upper
122	100		
105	127.6	104.8	144.8
77	92.6	69.2	109.2



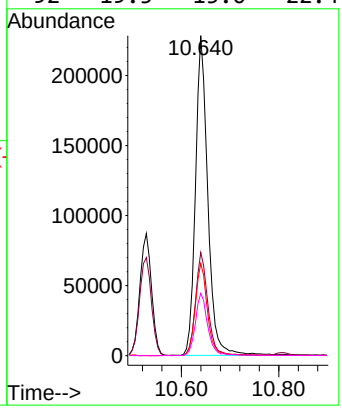


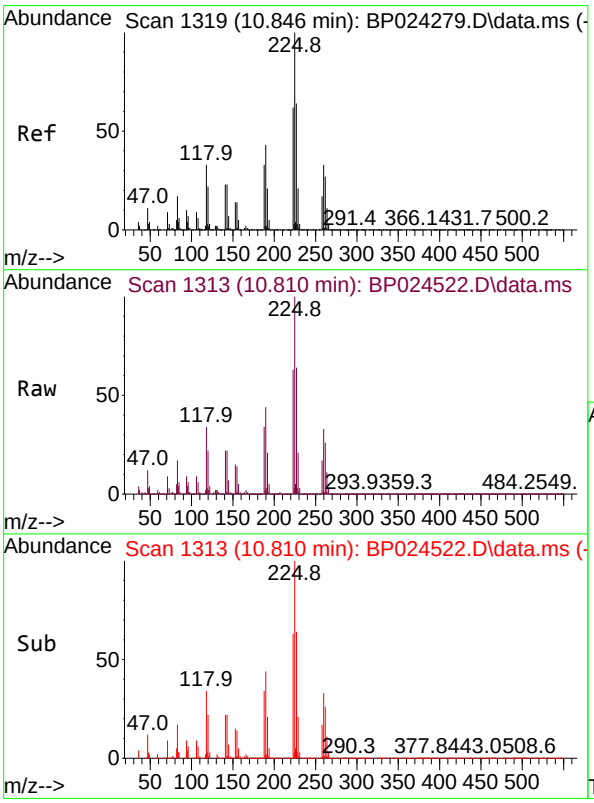
#33
4-Chloroaniline
Concen: 40.376 ng
RT: 10.640 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 403971

Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.1	39.1
65	28.8	22.1	33.1
92	19.5	15.0	22.4

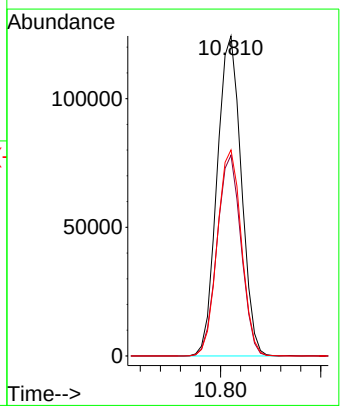


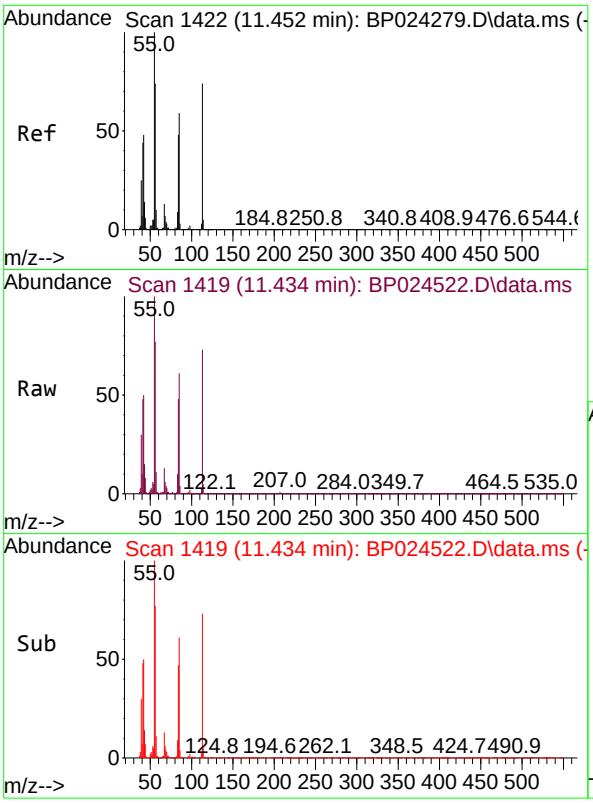


#34
Hexachlorobutadiene
Concen: 42.102 ng
RT: 10.810 min Scan# 1313
Delta R.T. -0.017 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion:225 Resp: 207808

Ion	Ratio	Lower	Upper
225	100		
223	62.8	49.5	74.3
227	64.4	50.9	76.3



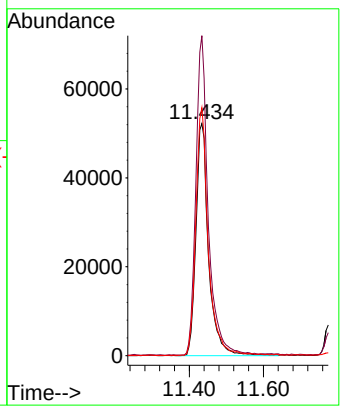


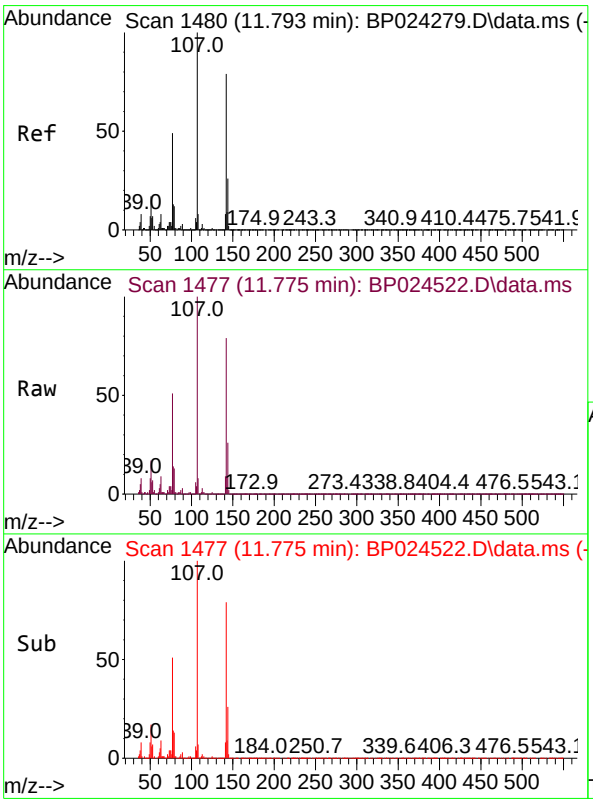
#35
Caprolactam
Concen: 42.634 ng
RT: 11.434 min Scan# 14
Delta R.T. -0.012 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 123328

Ion	Ratio	Lower	Upper
113	100		
55	137.8	115.9	155.9
56	106.8	81.1	121.1

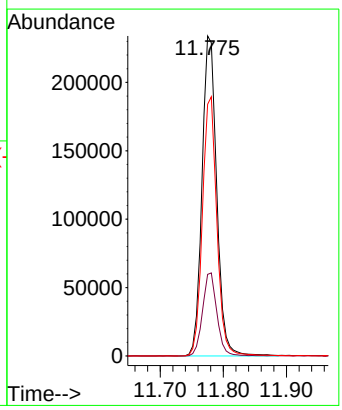


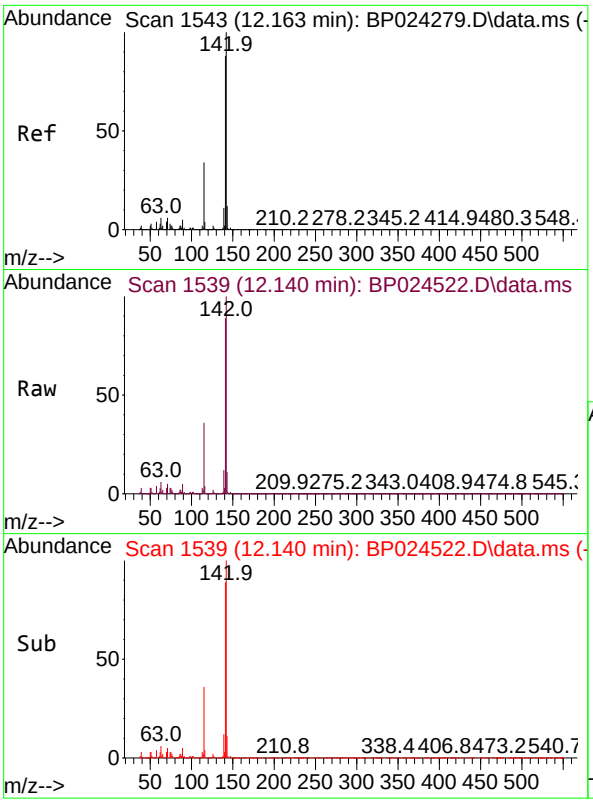


#36
4-Chloro-3-methylphenol
Concen: 41.549 ng
RT: 11.775 min Scan# 1477
Delta R.T. -0.017 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion:107 Resp: 379400

Ion	Ratio	Lower	Upper
107	100		
144	25.5	20.5	30.7
142	78.7	63.4	95.2



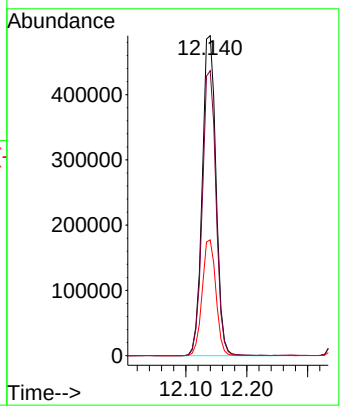


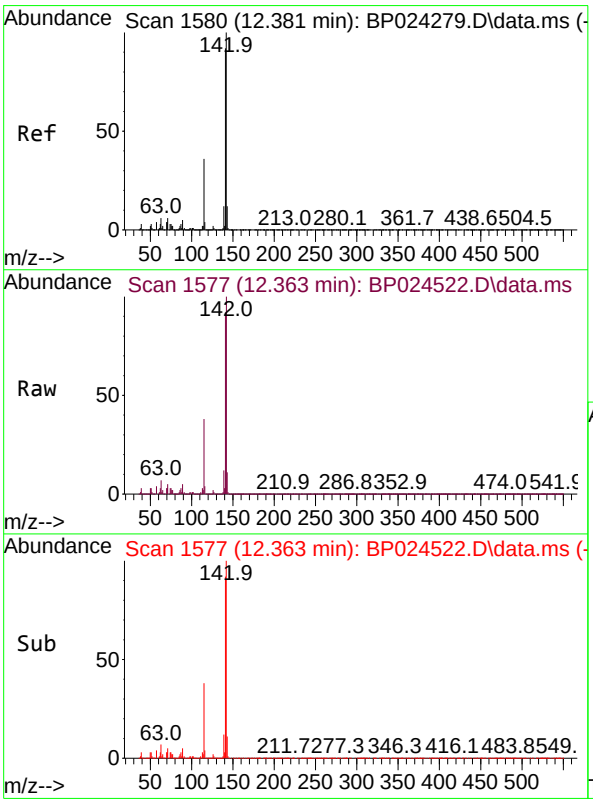
#37
2-Methylnaphthalene
Concen: 38.998 ng
RT: 12.140 min Scan# 1
Delta R.T. -0.017 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 768396

Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.3	105.5
115	36.2	26.9	40.3

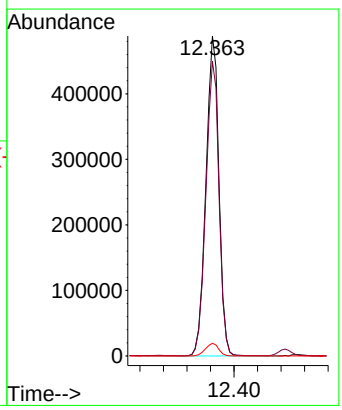


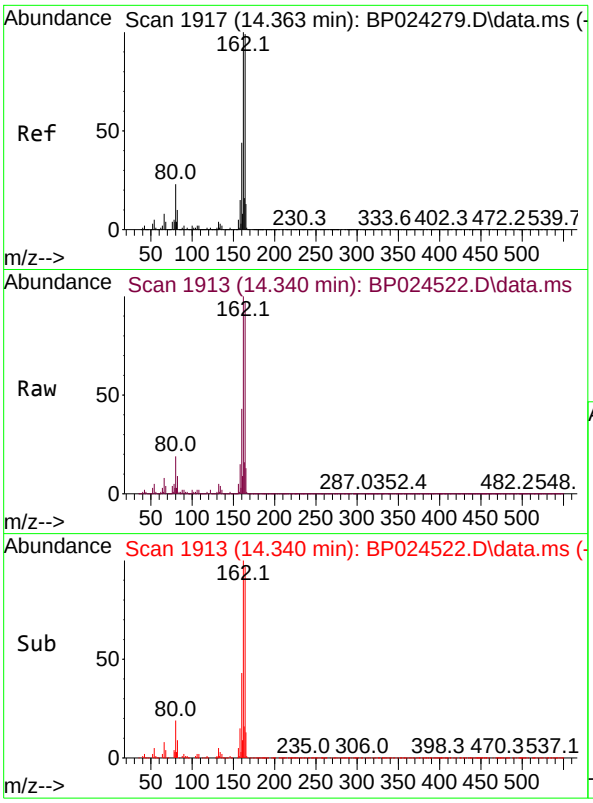


#38
1-Methylnaphthalene
Concen: 38.858 ng
RT: 12.363 min Scan# 1577
Delta R.T. -0.012 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion:142 Resp: 749001

Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.6	110.4
116	3.9	3.0	4.6



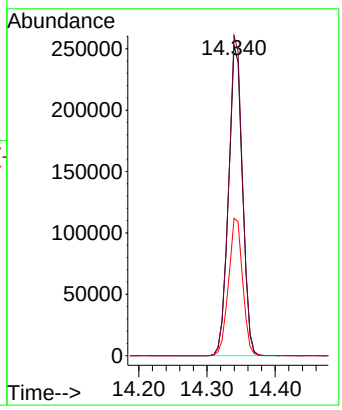


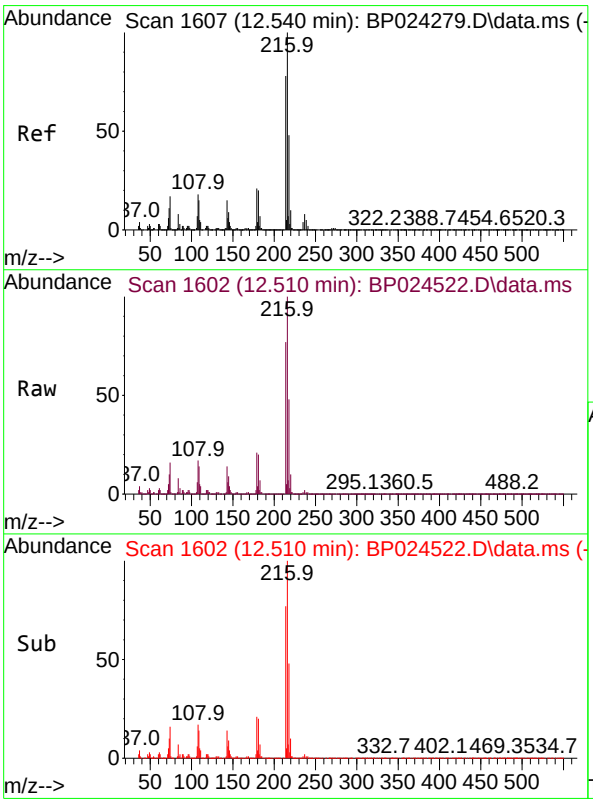
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.340 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 358648

Ion	Ratio	Lower	Upper
164	100		
162	103.2	80.6	120.8
160	44.3	35.3	52.9

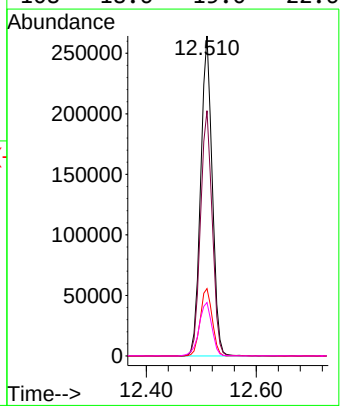


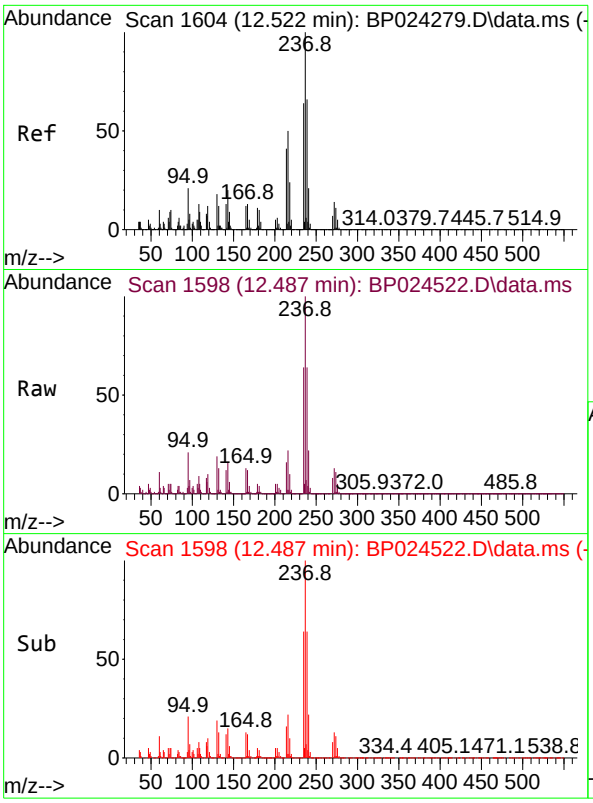


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.159 ng
RT: 12.510 min Scan# 1602
Delta R.T. -0.017 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion:216 Resp: 386220

Ion	Ratio	Lower	Upper
216	100		
214	77.9	62.6	93.8
179	21.9	17.2	25.8
108	18.6	15.0	22.6



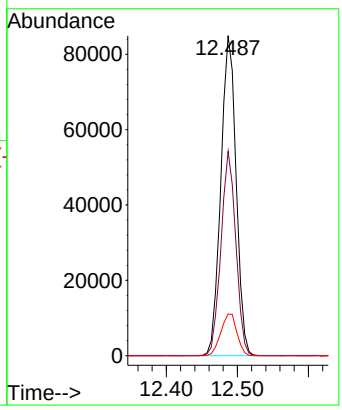


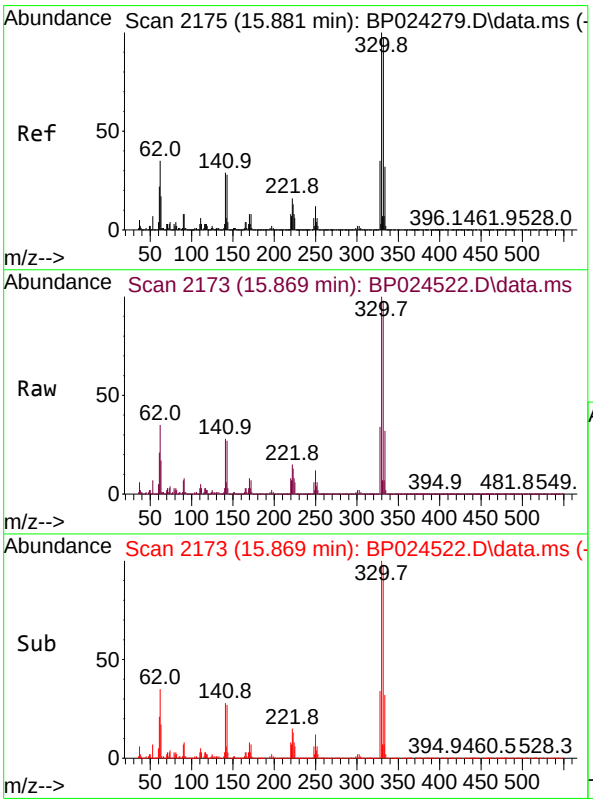
#41
Hexachlorocyclopentadiene
Concen: 36.275 ng
RT: 12.487 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 126536

Ion	Ratio	Lower	Upper
237	100		
235	63.9	43.9	83.9
272	13.1	0.0	33.6

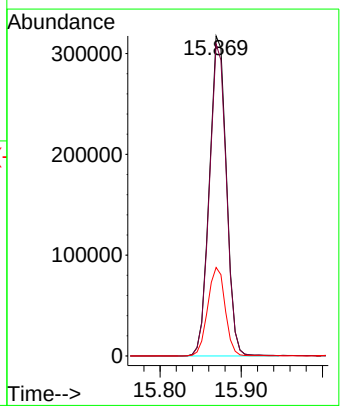


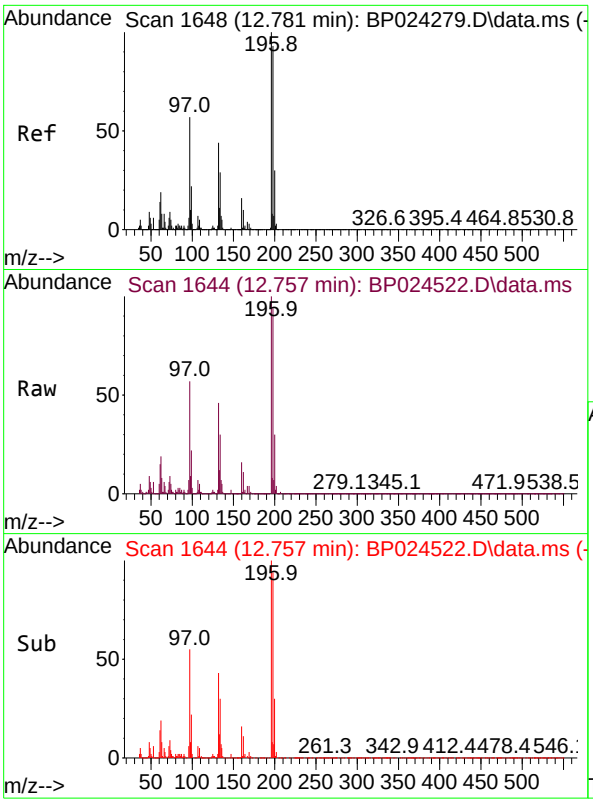


#42
2,4,6-Tribromophenol
Concen: 93.287 ng
RT: 15.869 min Scan# 2173
Delta R.T. 0.006 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion:330 Resp: 462897

Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.1	115.7
141	28.3	24.7	37.1



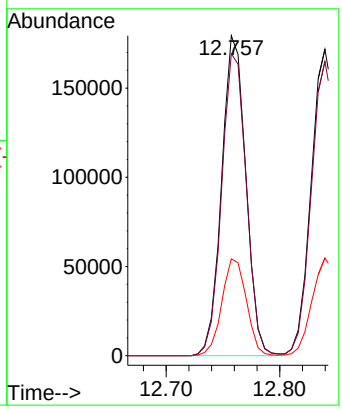


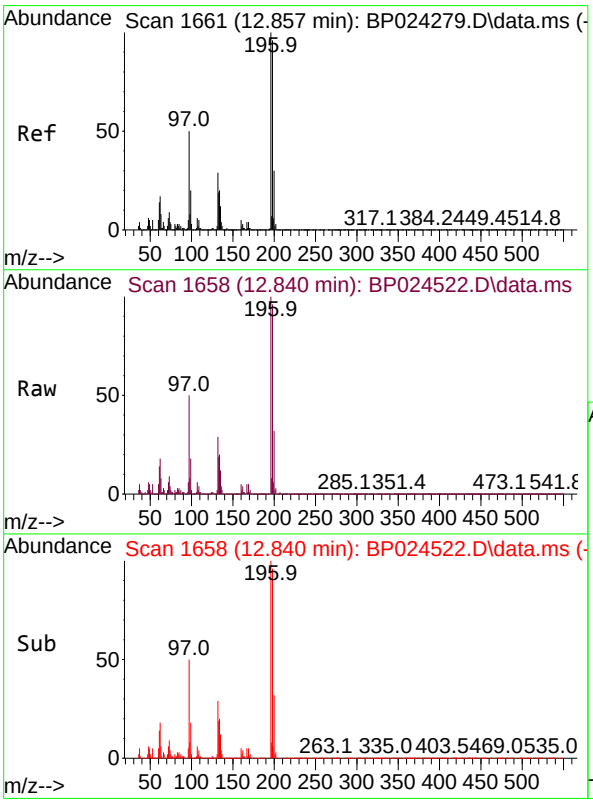
#43
2,4,6-Trichlorophenol
Concen: 40.552 ng
RT: 12.757 min Scan# 1
Delta R.T. -0.017 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 265918

Ion	Ratio	Lower	Upper
196	100		
198	94.3	74.3	111.5
200	30.3	24.0	36.0

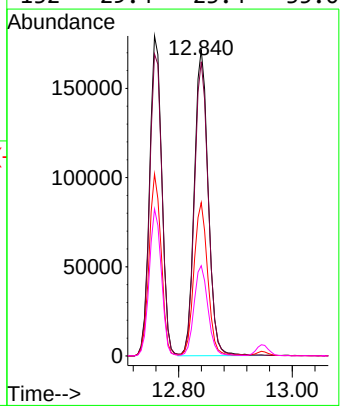


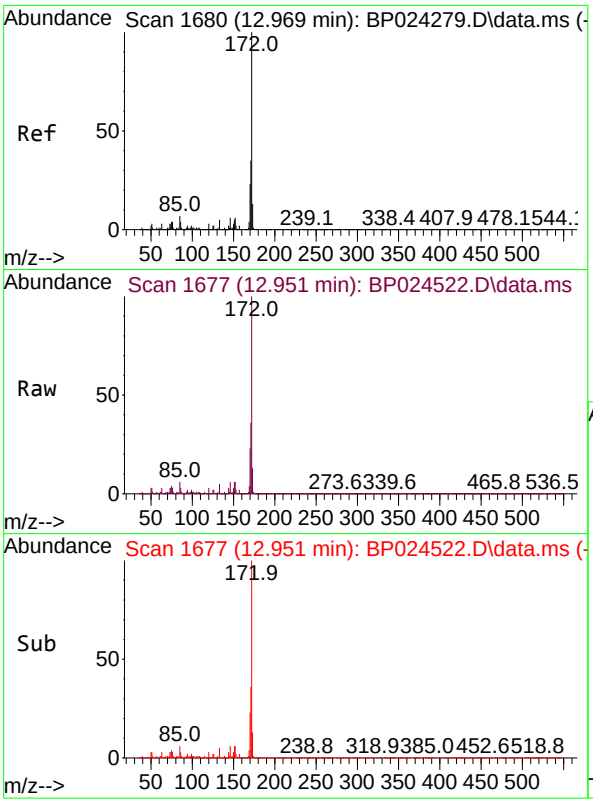


#44
2,4,5-Trichlorophenol
Concen: 40.181 ng
RT: 12.840 min Scan# 1658
Delta R.T. -0.017 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion:196 Resp: 291771

Ion	Ratio	Lower	Upper
196	100		
198	96.0	77.3	115.9
97	50.0	40.4	60.6
132	29.4	23.4	35.0



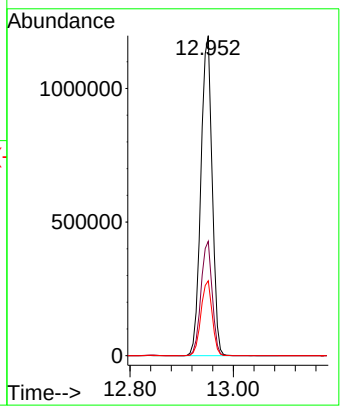


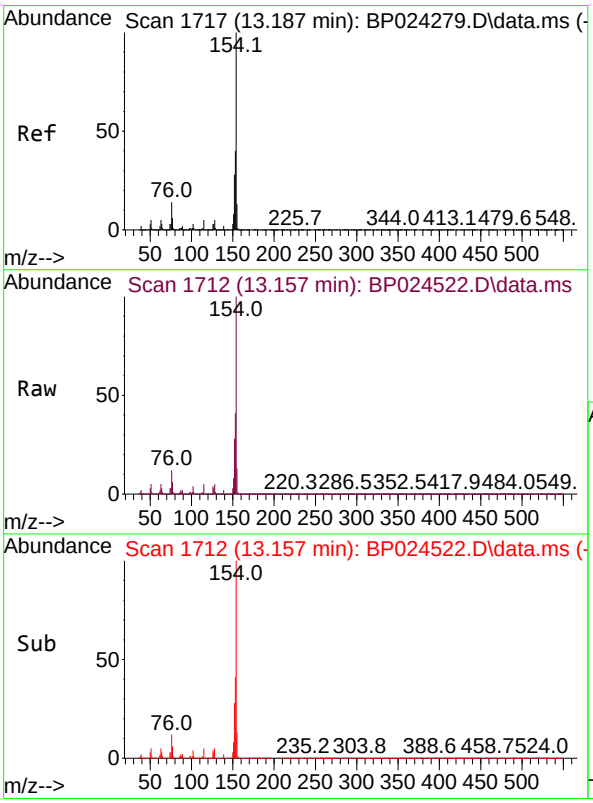
#45
2-Fluorobiphenyl
Concen: 77.408 ng
RT: 12.951 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 1813216

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.2	42.2
170	23.4	18.6	27.8

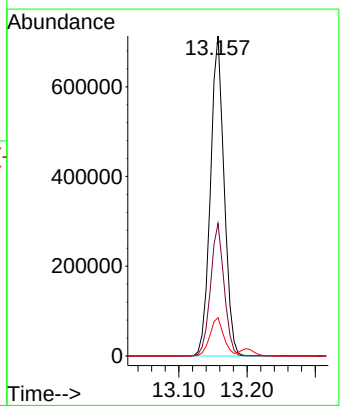


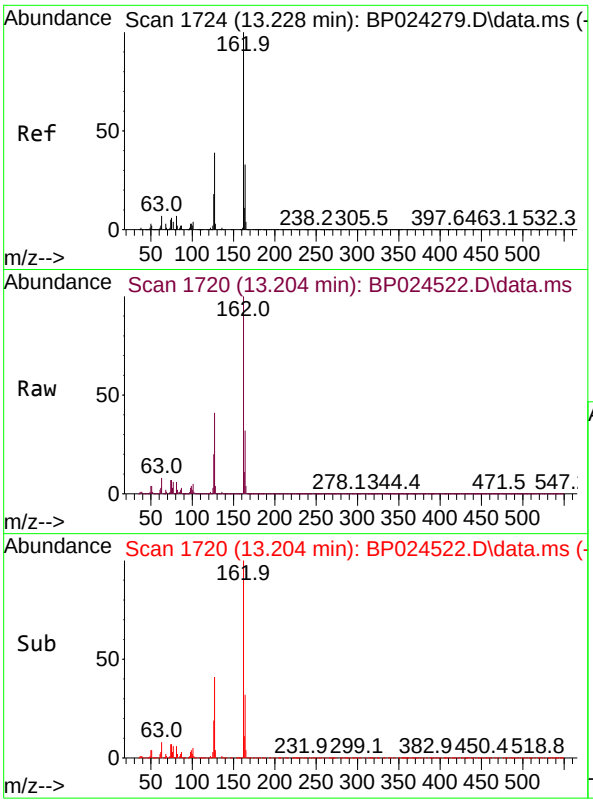


#46
1,1'-Biphenyl
Concen: 37.812 ng
RT: 13.157 min Scan# 1712
Delta R.T. -0.017 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion:154 Resp: 996822

Ion	Ratio	Lower	Upper
154	100		
153	41.5	20.3	60.3
76	11.9	0.0	33.5



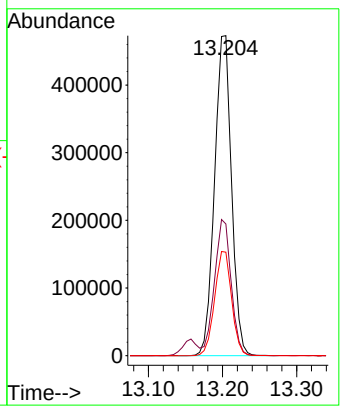


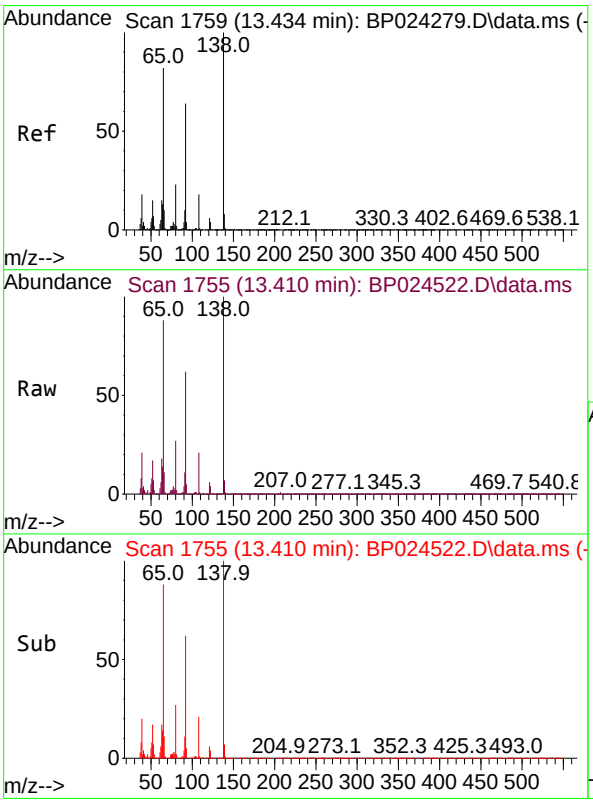
#47
2-Chloronaphthalene
Concen: 38.154 ng
RT: 13.204 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 751741

Ion	Ratio	Lower	Upper
162	100		
127	41.2	31.9	47.9
164	32.4	26.2	39.4

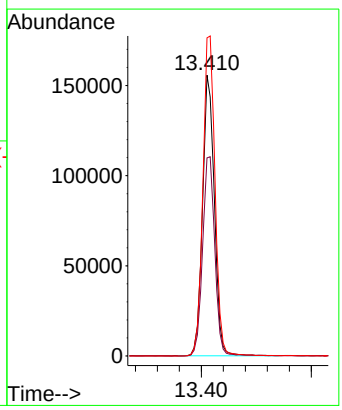


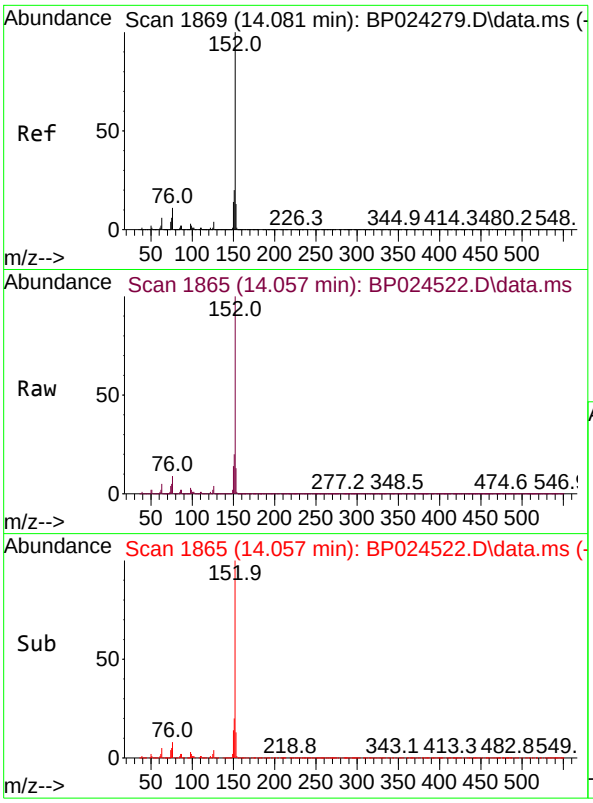


#48
2-Nitroaniline
Concen: 42.002 ng
RT: 13.410 min Scan# 1755
Delta R.T. -0.012 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion: 65 Resp: 232134

Ion	Ratio	Lower	Upper
65	100		
92	70.6	62.3	93.5
138	113.3	97.2	145.8



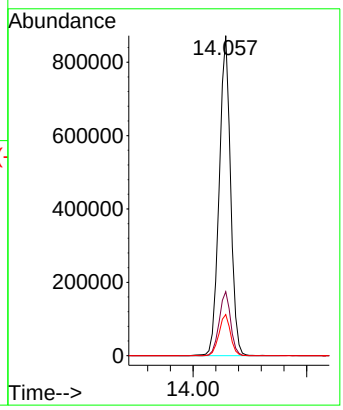


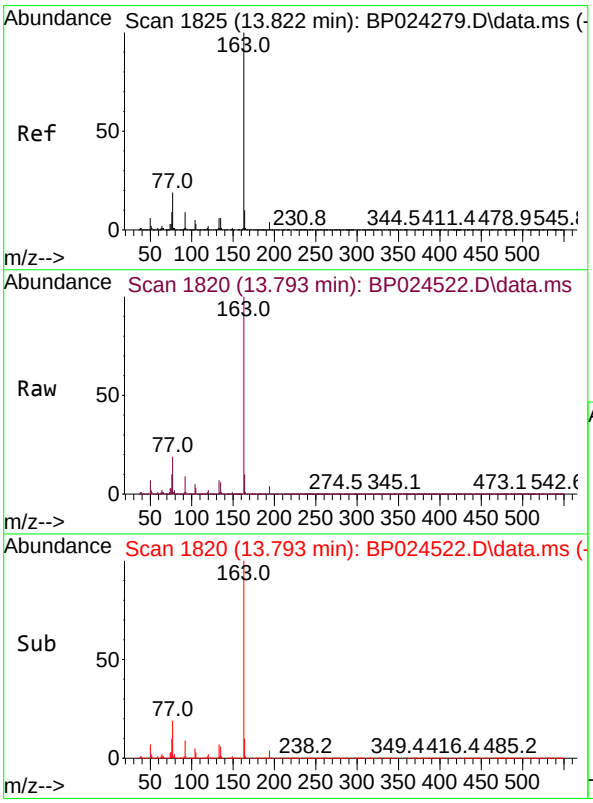
#49
Acenaphthylene
Concen: 38.978 ng
RT: 14.057 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 1209138

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.9	23.9
153	12.9	10.6	15.8

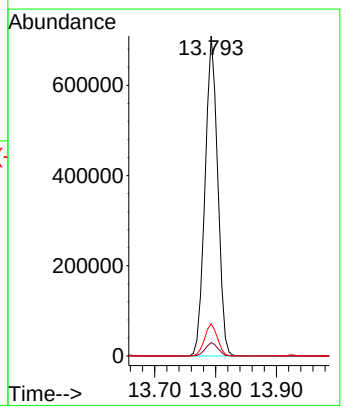


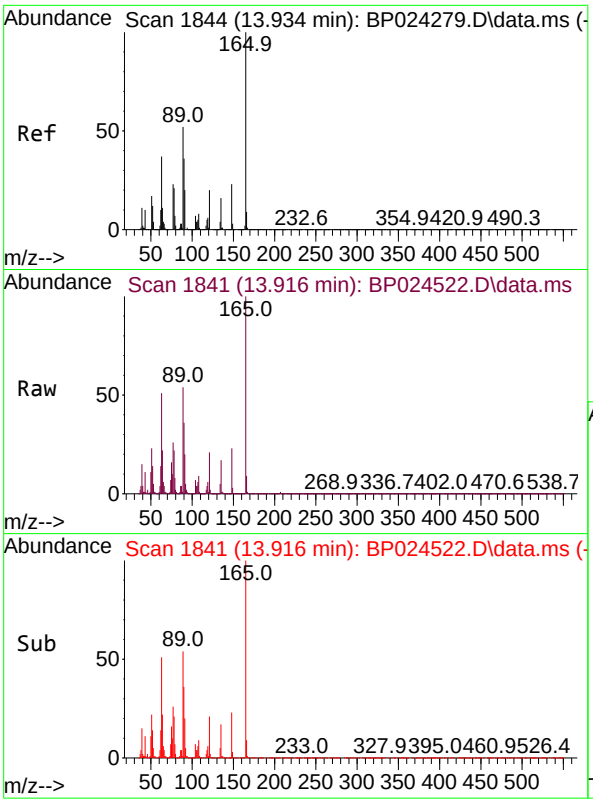


#50
Dimethylphthalate
Concen: 39.326 ng
RT: 13.793 min Scan# 1820
Delta R.T. -0.017 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion:163 Resp: 1025676

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.5	5.3
164	10.1	8.0	12.0



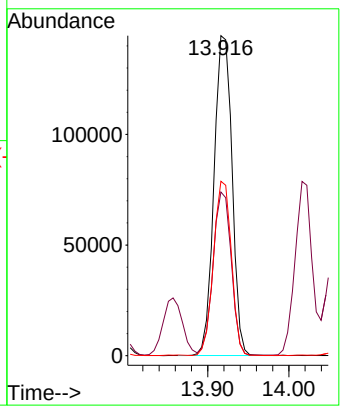


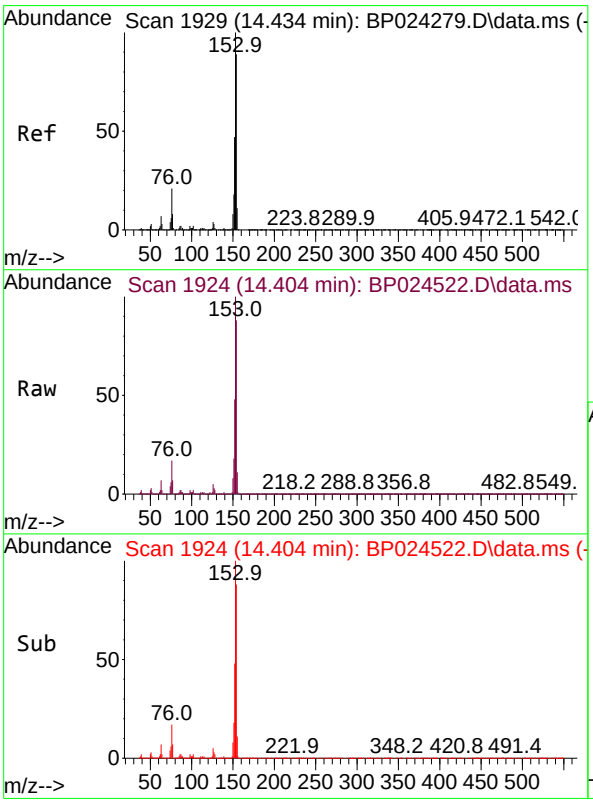
#51
2,6-Dinitrotoluene
Concen: 40.338 ng
RT: 13.916 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 223409

Ion	Ratio	Lower	Upper
165	100		
63	51.1	38.0	57.0
89	54.5	41.7	62.5

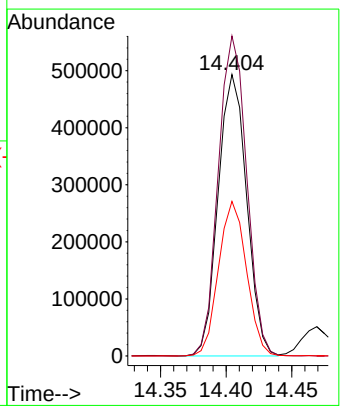


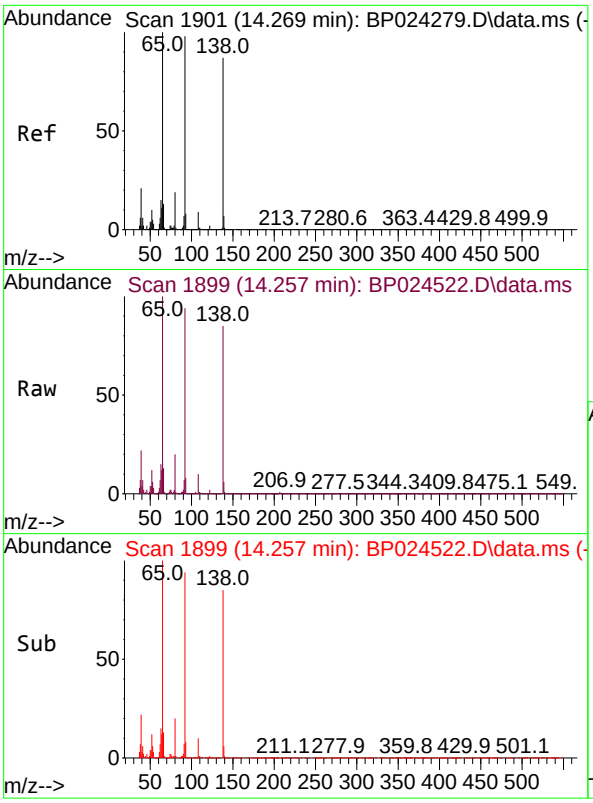


#52
Acenaphthene
Concen: 37.907 ng
RT: 14.404 min Scan# 1924
Delta R.T. -0.017 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion:154 Resp: 745486

Ion	Ratio	Lower	Upper
154	100		
153	113.7	89.8	134.6
152	55.0	42.6	63.8



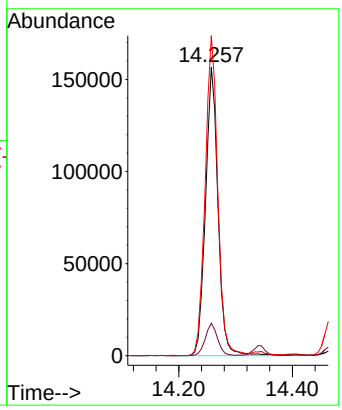


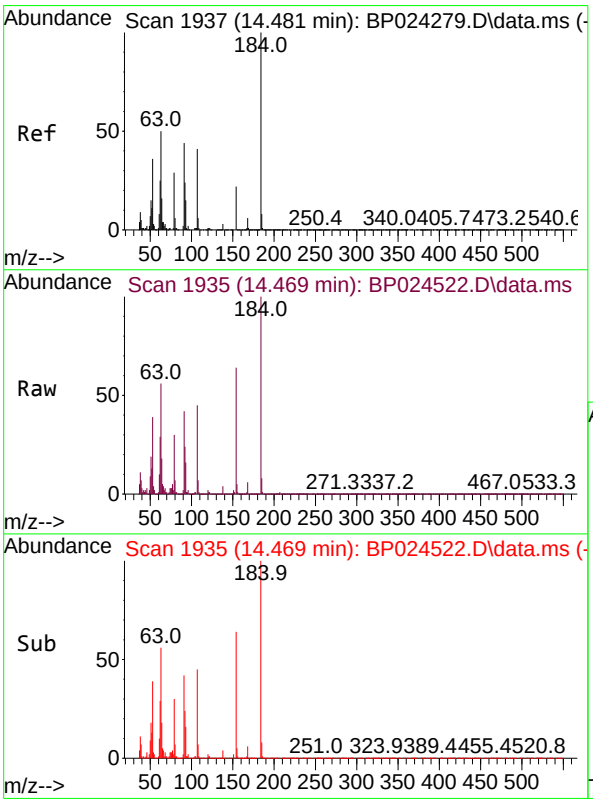
#53
3-Nitroaniline
Concen: 40.918 ng
RT: 14.257 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 238177

Ion	Ratio	Lower	Upper
138	100		
108	11.3	8.3	12.5
92	110.9	89.8	134.8

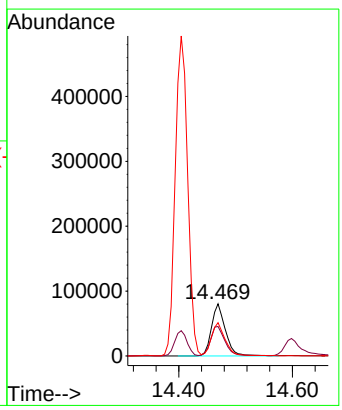


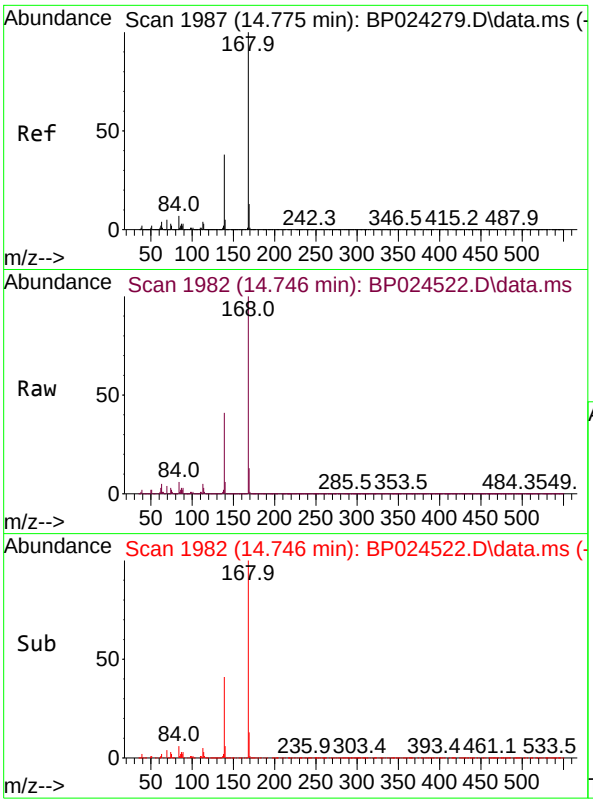


#54
2,4-Dinitrophenol
Concen: 41.652 ng
RT: 14.469 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion:184 Resp: 135885

Ion	Ratio	Lower	Upper
184	100		
63	56.5	42.6	64.0
154	63.8	47.2	70.8



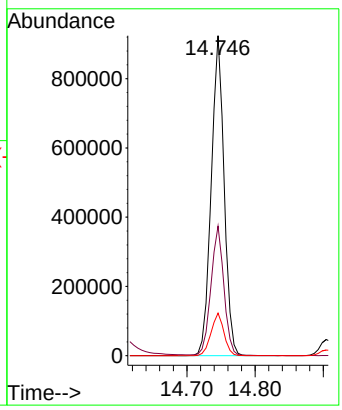


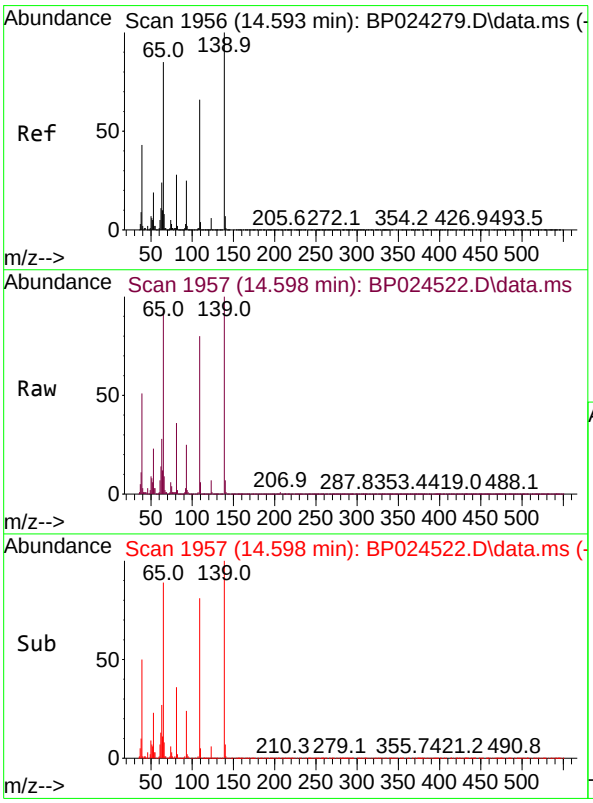
#55
Dibenzofuran
Concen: 37.805 ng
RT: 14.746 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 1215274

Ion	Ratio	Lower	Upper
168	100		
139	40.5	30.3	45.5
169	13.3	10.6	16.0

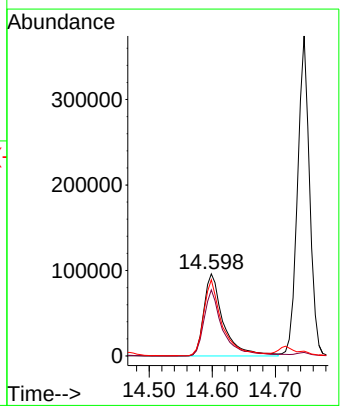


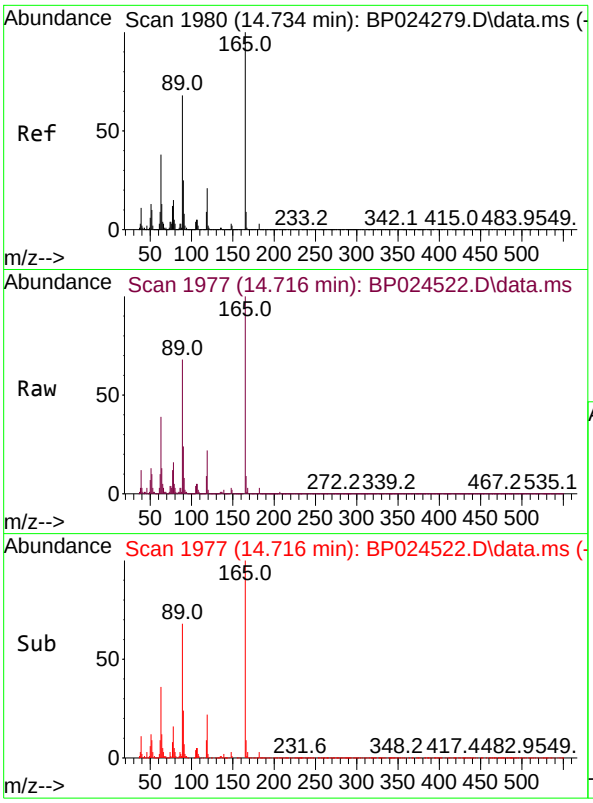


#56
4-Nitrophenol
Concen: 40.734 ng
RT: 14.598 min Scan# 1957
Delta R.T. 0.006 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion:139 Resp: 204781

Ion	Ratio	Lower	Upper
139	100		
109	80.5	46.1	86.1
65	92.7	65.0	105.0



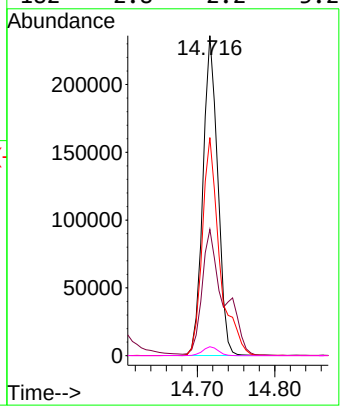


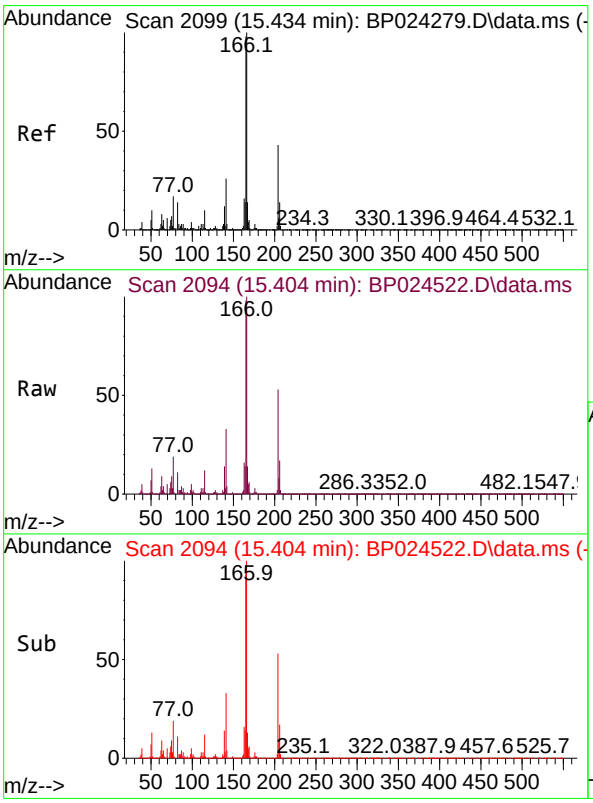
#57
2,4-Dinitrotoluene
Concen: 41.451 ng
RT: 14.716 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 313164

Ion	Ratio	Lower	Upper
165	100		
63	39.5	30.4	45.6
89	68.1	54.6	82.0
182	2.8	2.2	3.2

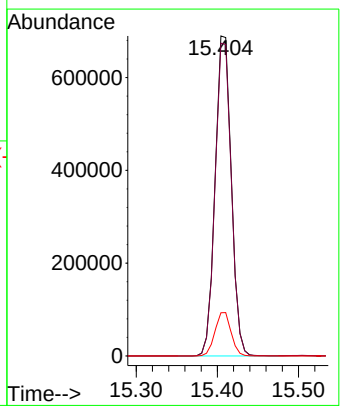


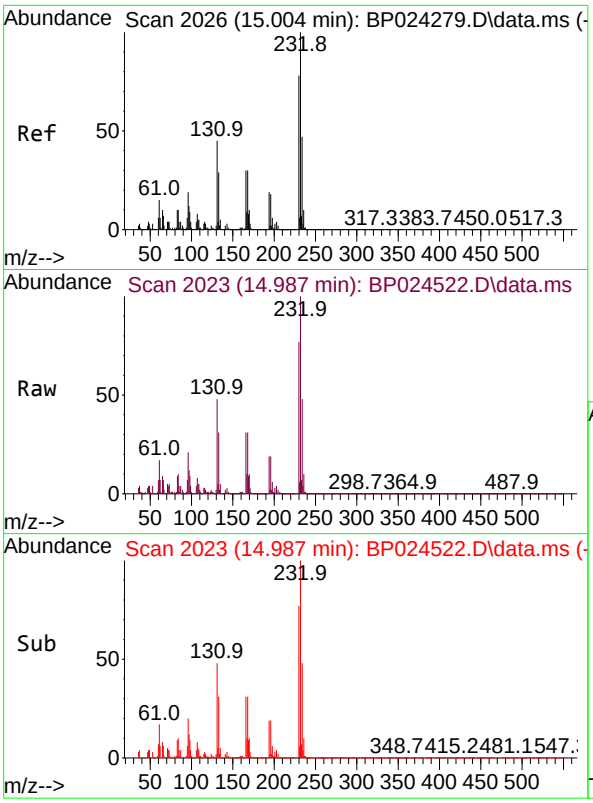


#58
Fluorene
Concen: 38.466 ng
RT: 15.404 min Scan# 2094
Delta R.T. -0.012 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion:166 Resp: 957243

Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.1	117.1
167	13.5	10.9	16.3



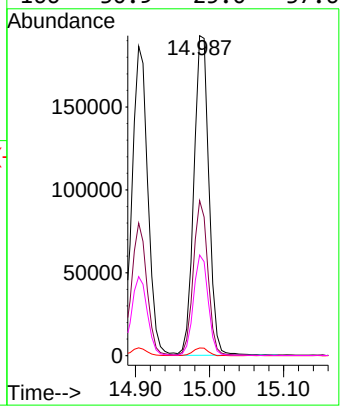


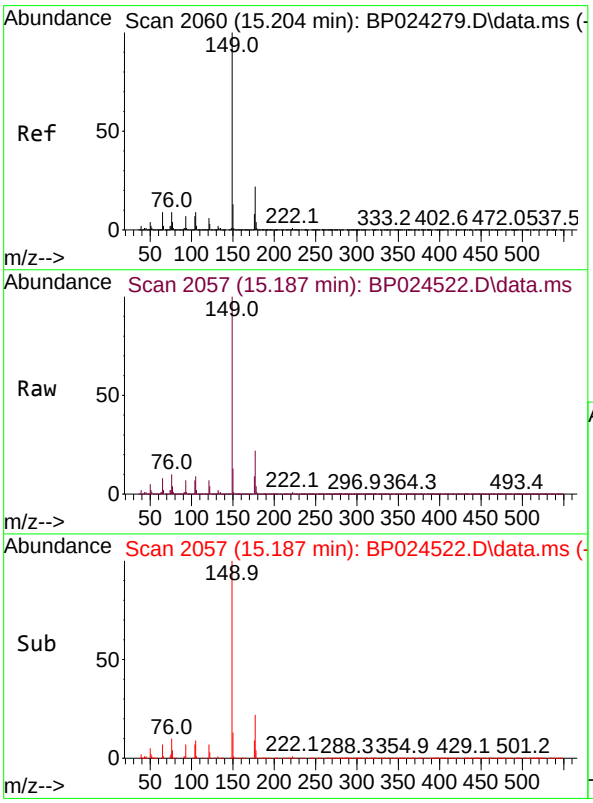
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.451 ng
RT: 14.987 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 270913

Ion	Ratio	Lower	Upper
232	100		
131	47.1	36.8	55.2
130	2.5	1.9	2.9
166	30.9	25.0	37.6

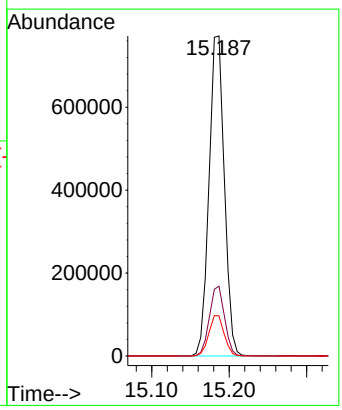


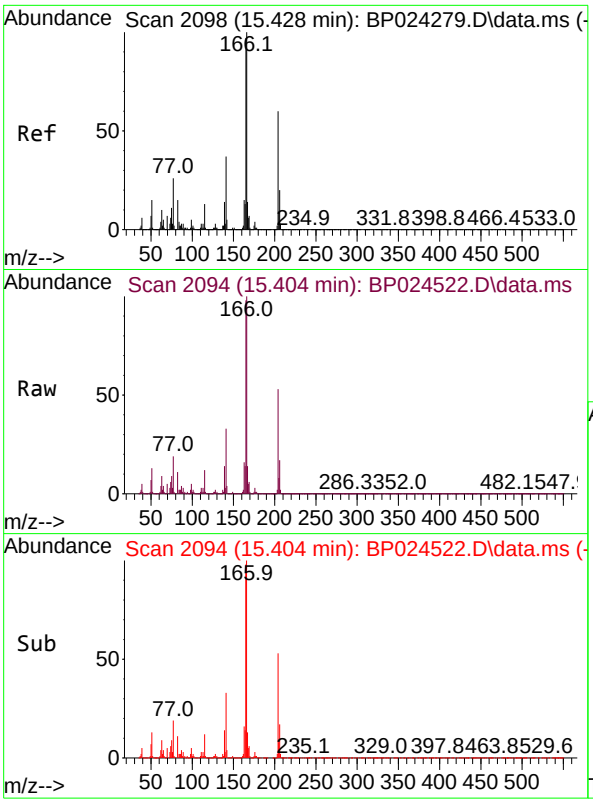


#60
Diethylphthalate
Concen: 39.507 ng
RT: 15.187 min Scan# 2057
Delta R.T. -0.006 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion:149 Resp: 1061854

Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.4	26.2
150	12.5	10.1	15.1



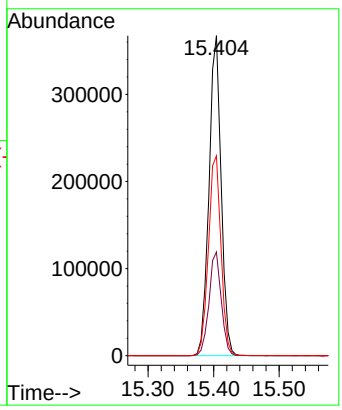


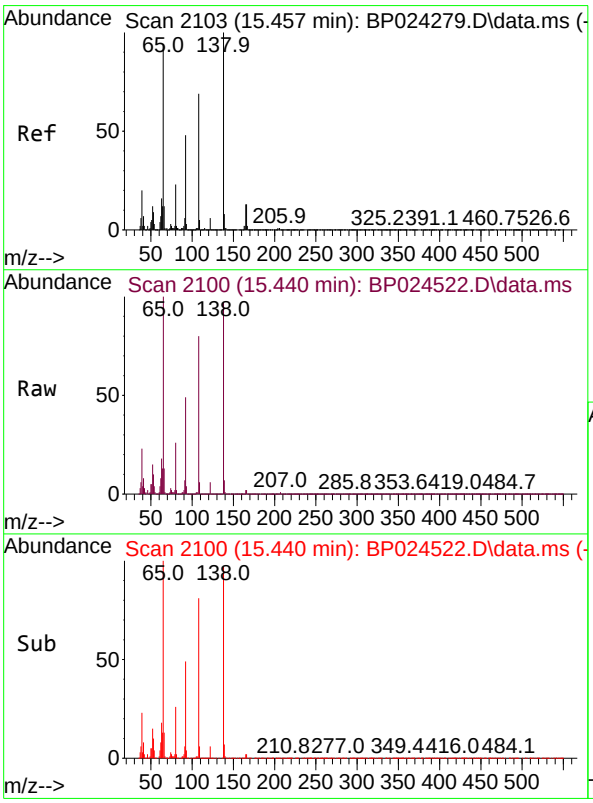
#61
4-Chlorophenyl-phenylether
Concen: 39.111 ng
RT: 15.404 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 472625

Ion	Ratio	Lower	Upper
204	100		
206	32.4	26.5	39.7
141	62.4	49.4	74.0

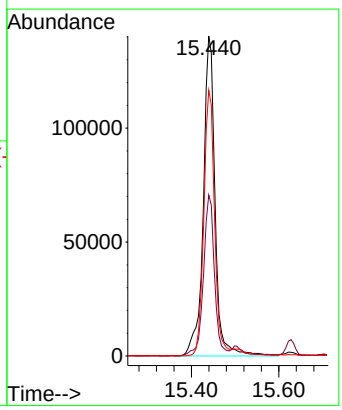


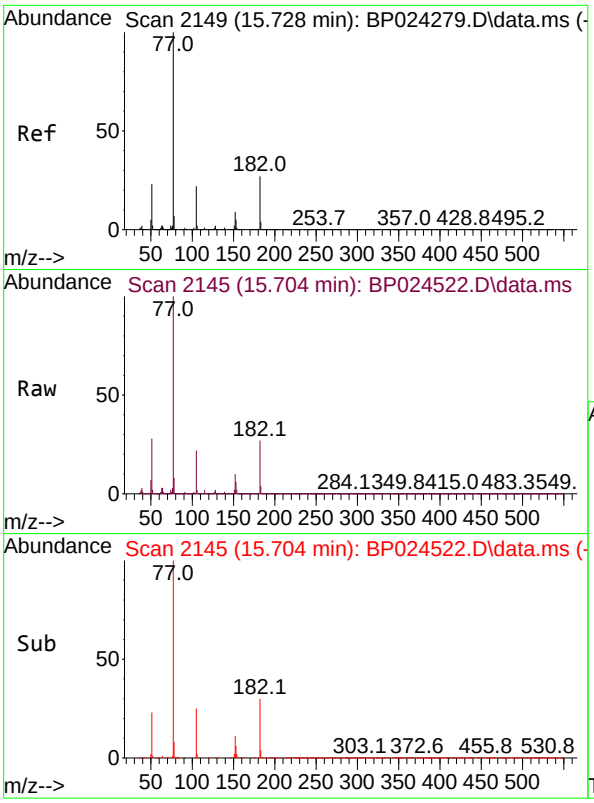


#62
4-Nitroaniline
Concen: 42.858 ng
RT: 15.440 min Scan# 2100
Delta R.T. 0.000 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion:138 Resp: 264096

Ion	Ratio	Lower	Upper
138	100		
92	50.3	27.8	67.8
108	83.0	48.9	88.9



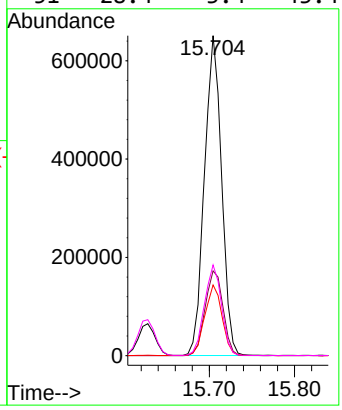


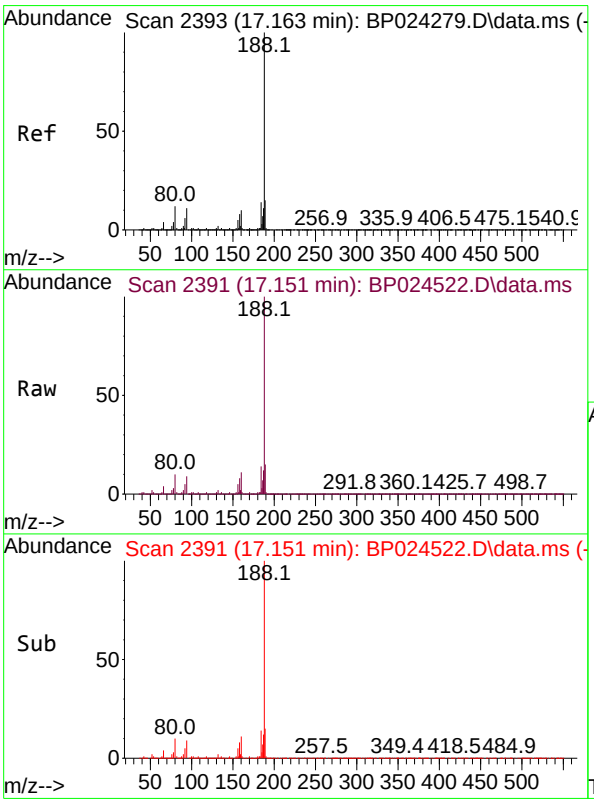
#63
Azobenzene
Concen: 36.799 ng
RT: 15.704 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 909080

Ion	Ratio	Lower	Upper
77	100		
182	26.5	7.3	47.3
105	22.1	2.3	42.3
51	28.4	3.4	43.4

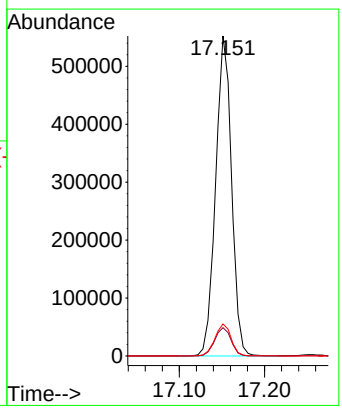


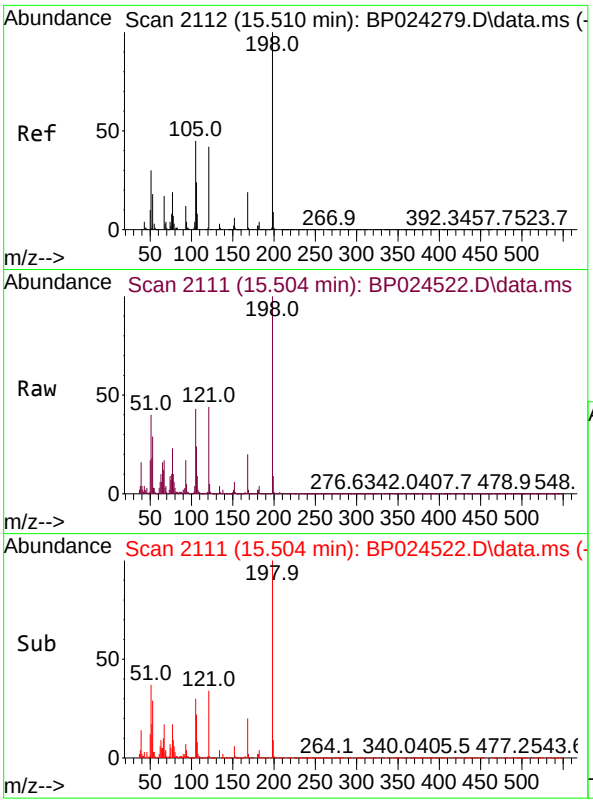


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.151 min Scan# 2391
Delta R.T. 0.006 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion:188 Resp: 715330

Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.6	13.0
80	10.0	9.8	14.6



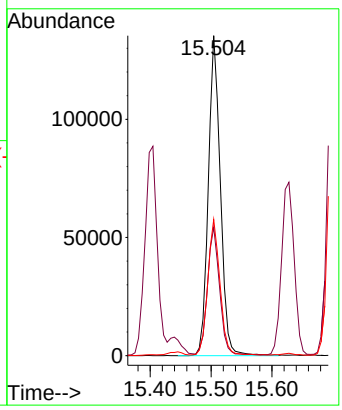


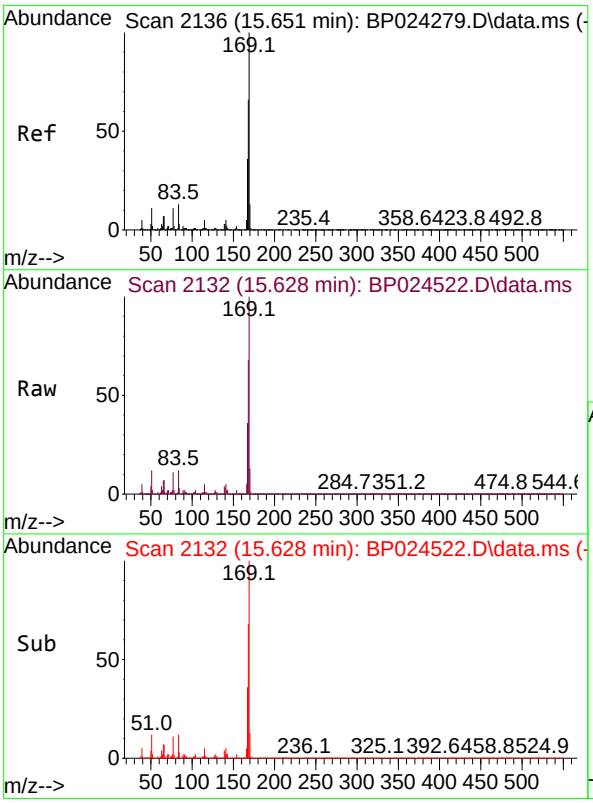
#65
4,6-Dinitro-2-methylphenol
Concen: 41.322 ng
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 186357

Ion	Ratio	Lower	Upper
198	100		
51	40.2	18.4	58.4
105	42.6	26.5	66.5

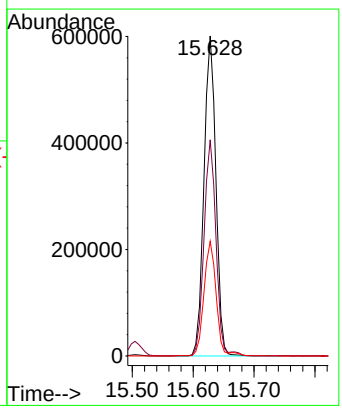


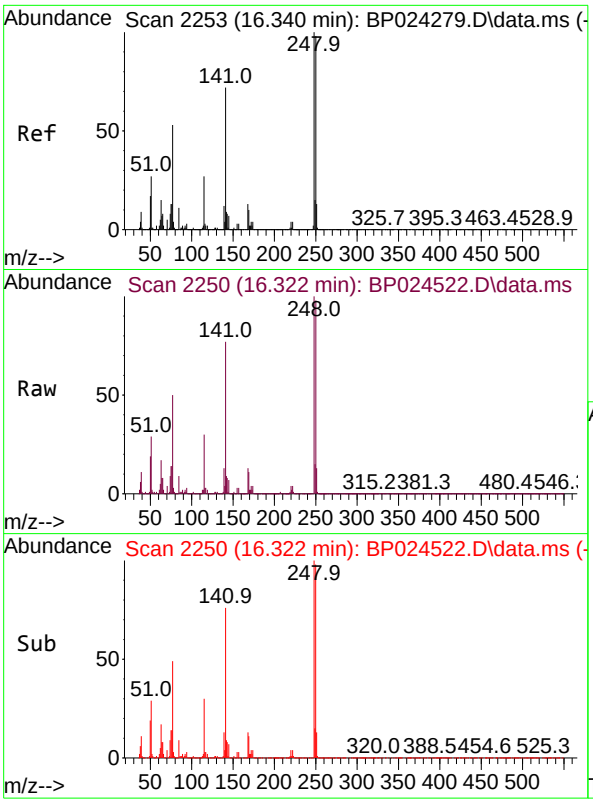


#66
n-Nitrosodiphenylamine
Concen: 38.306 ng
RT: 15.628 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion:169 Resp: 817880

Ion	Ratio	Lower	Upper
169	100		
168	67.5	53.0	79.4
167	35.8	28.9	43.3



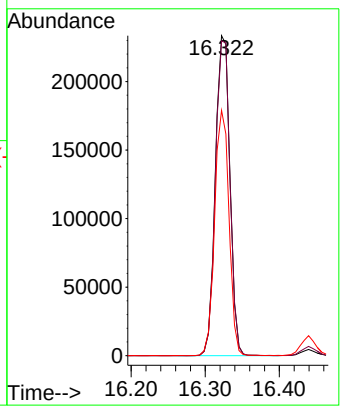


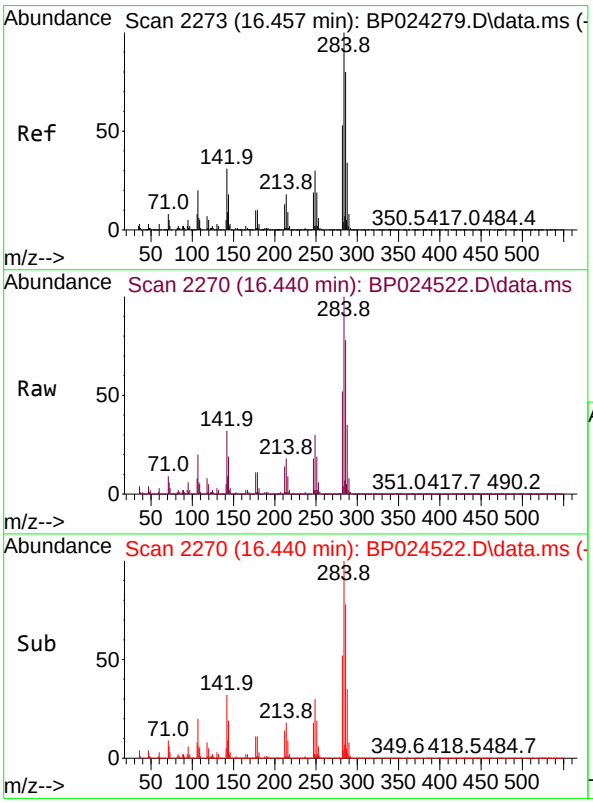
#67
4-Bromophenyl-phenylether
Concen: 40.574 ng
RT: 16.322 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 317430

Ion	Ratio	Lower	Upper
248	100		
250	98.4	78.2	117.4
141	76.6	57.7	86.5

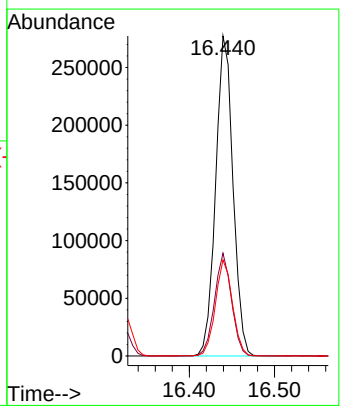


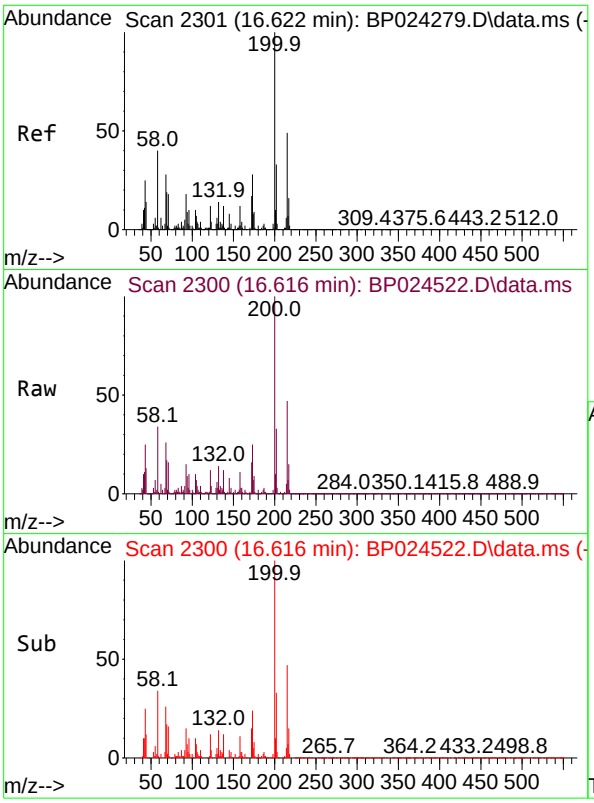


#68
Hexachlorobenzene
Concen: 42.165 ng
RT: 16.440 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion:284 Resp: 391978

Ion	Ratio	Lower	Upper
284	100		
142	32.1	24.6	37.0
249	30.0	23.8	35.6



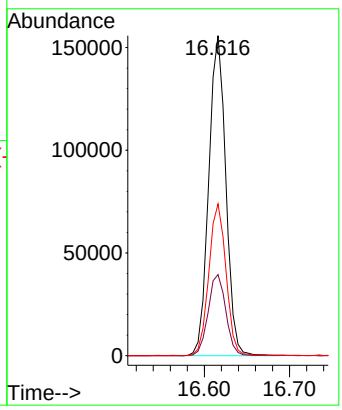


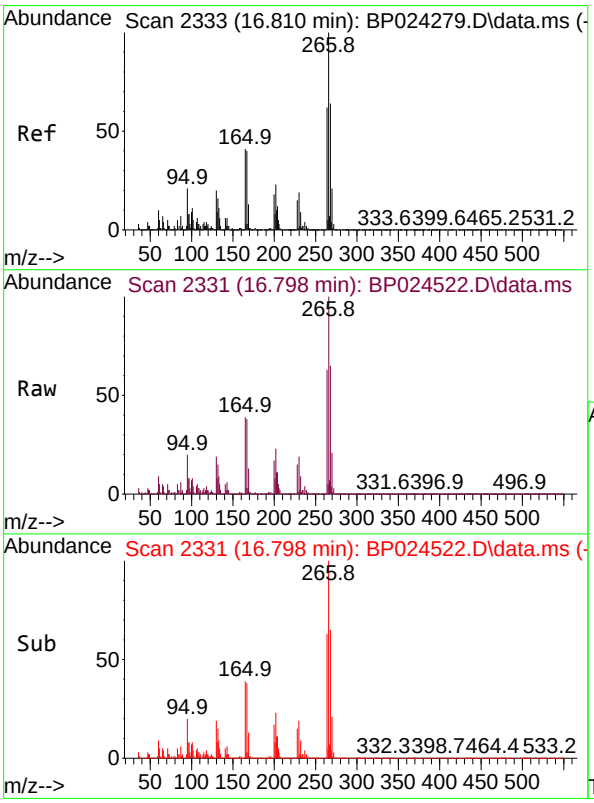
#69
Atrazine
Concen: 39.846 ng
RT: 16.616 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 216677

Ion	Ratio	Lower	Upper
200	100		
173	25.3	7.5	47.5
215	47.4	28.8	68.8

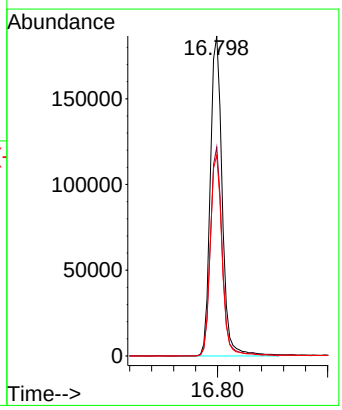


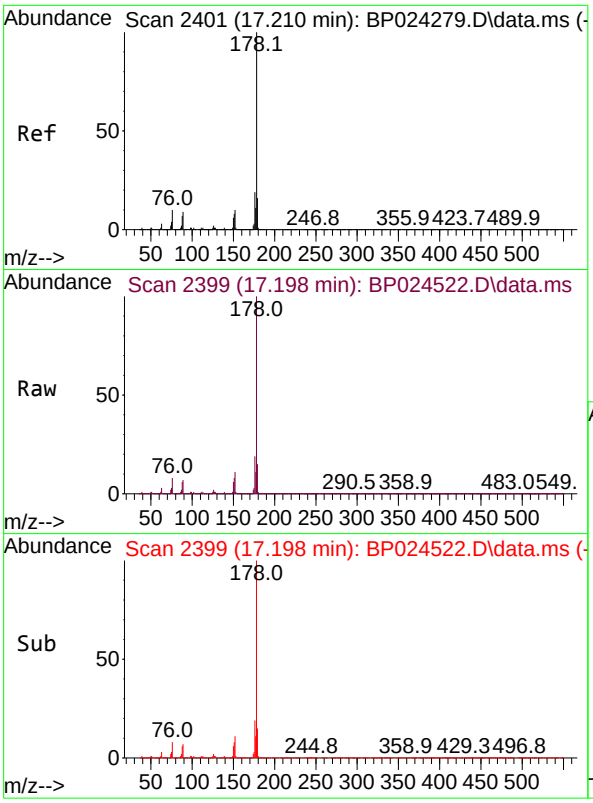


#70
Pentachlorophenol
Concen: 43.112 ng
RT: 16.798 min Scan# 2331
Delta R.T. 0.000 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion:266 Resp: 279598

Ion	Ratio	Lower	Upper
266	100		
268	65.2	51.0	76.6
264	62.8	49.8	74.6



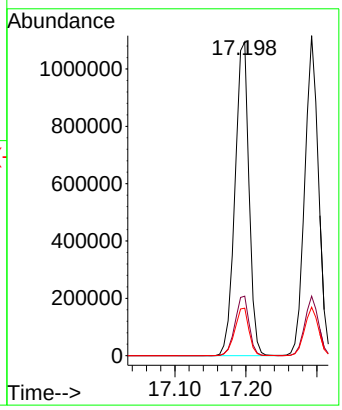


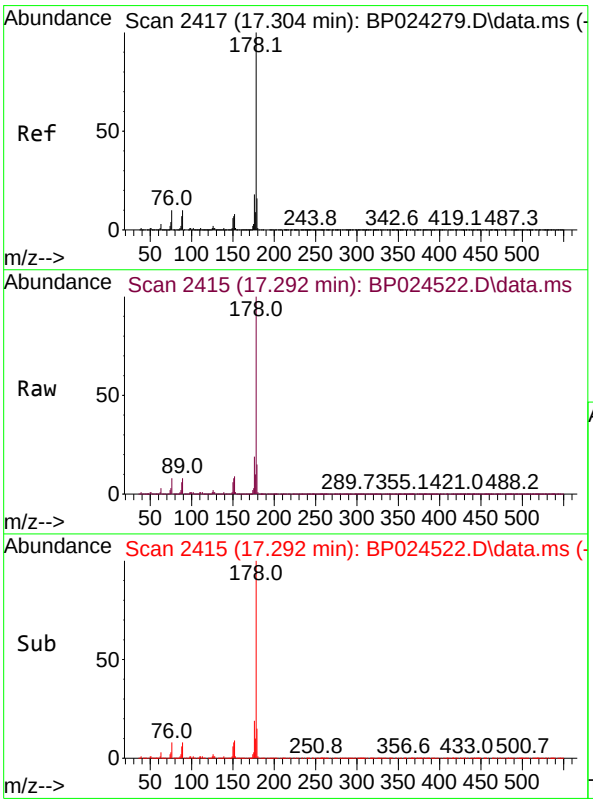
#71
Phenanthrene
Concen: 38.480 ng
RT: 17.198 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 1501631

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.0
179	15.1	12.5	18.7

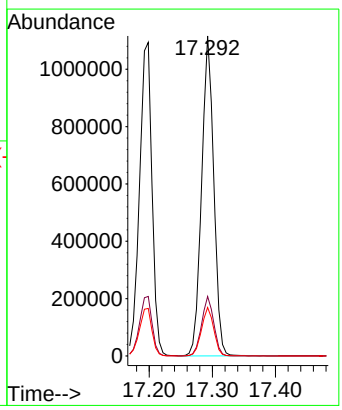


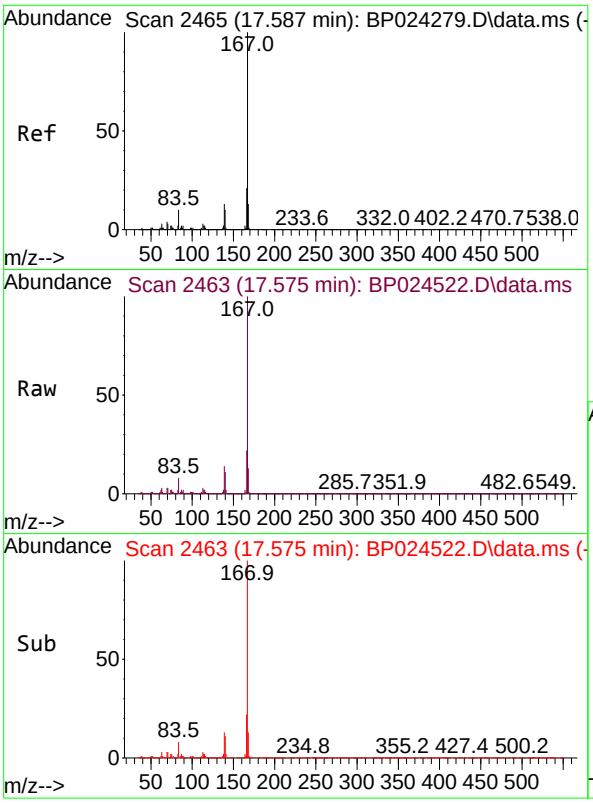


#72
Anthracene
Concen: 39.721 ng
RT: 17.292 min Scan# 2415
Delta R.T. 0.006 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion:178 Resp: 1493914

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	15.2	12.4	18.6



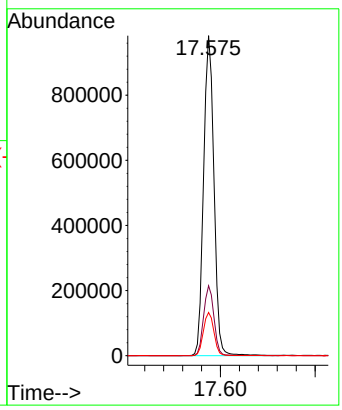


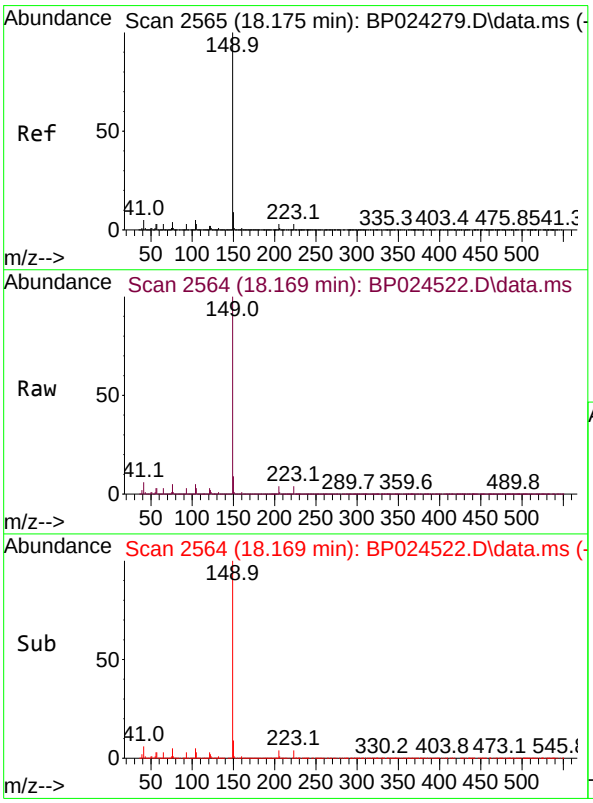
#73
Carbazole
Concen: 40.606 ng
RT: 17.575 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 1492224

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.1	25.7
139	13.5	10.6	16.0

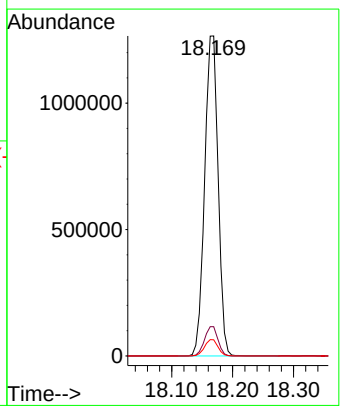


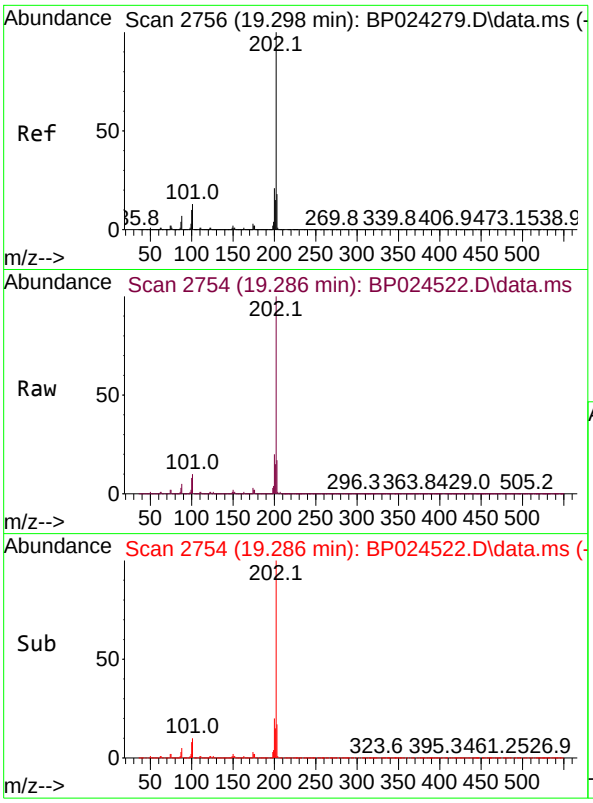


#74
Di-n-butylphthalate
Concen: 42.387 ng
RT: 18.169 min Scan# 2564
Delta R.T. 0.012 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion:149 Resp: 1940609

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.2
104	5.1	3.9	5.9



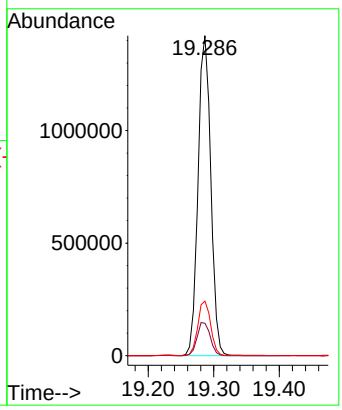


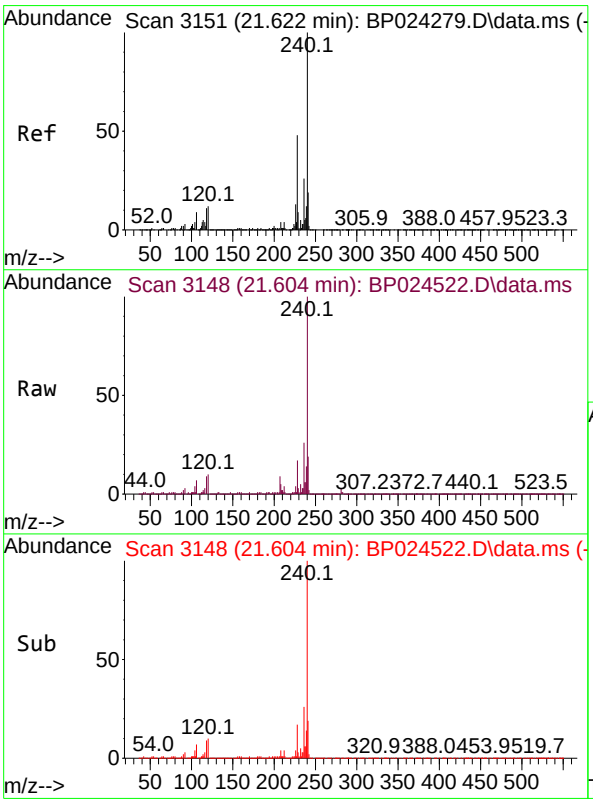
#75
Fluoranthene
Concen: 41.464 ng
RT: 19.286 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 1924412

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	33.2
203	17.0	0.0	37.7

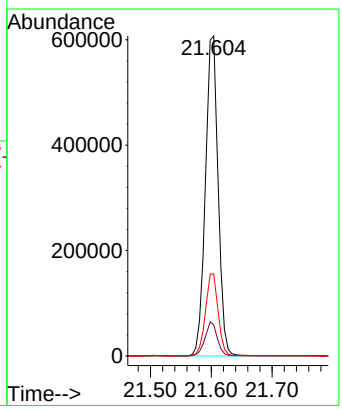


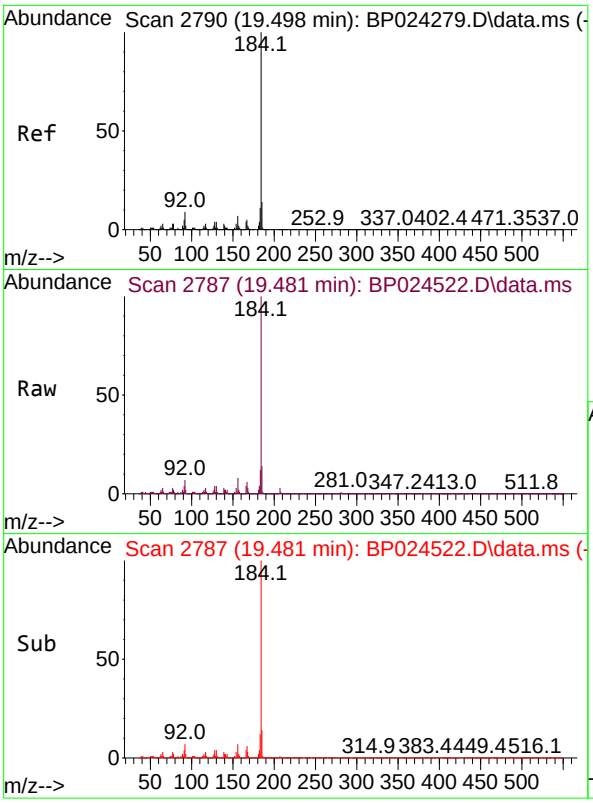


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.604 min Scan# 3148
Delta R.T. 0.012 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion:240 Resp: 882732

Ion	Ratio	Lower	Upper
240	100		
120	9.7	9.8	14.8#
236	25.6	20.9	31.3



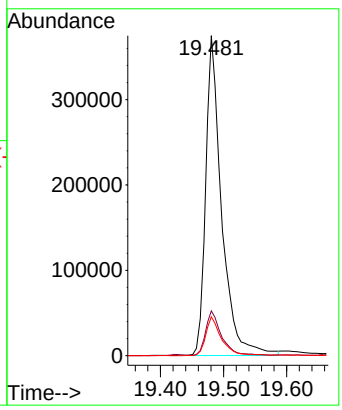


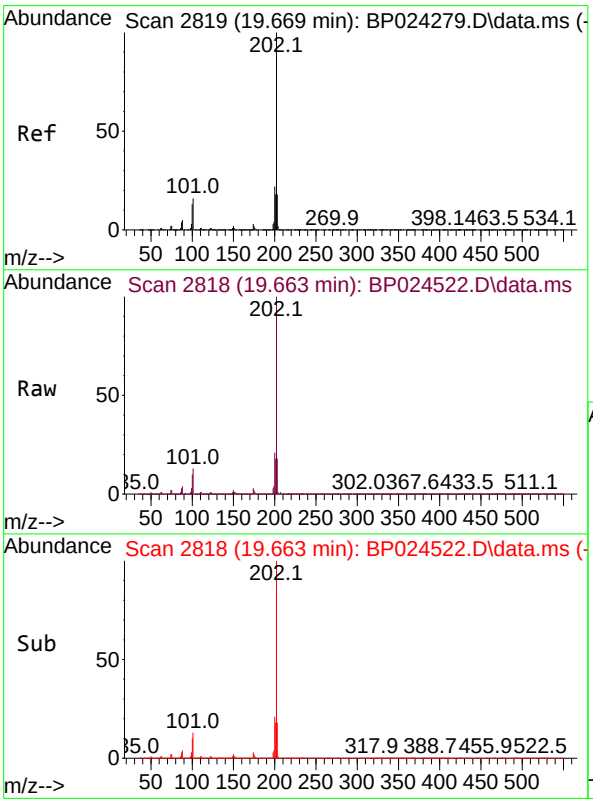
#77
Benzidine
Concen: 58.813 ng
RT: 19.481 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 658085

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.6	17.4
183	12.2	9.2	13.8

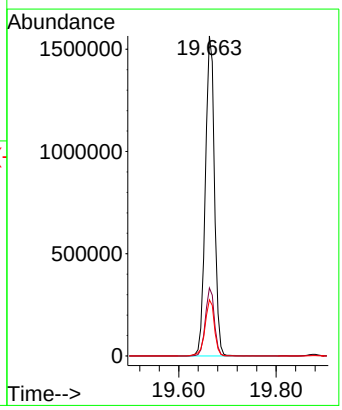


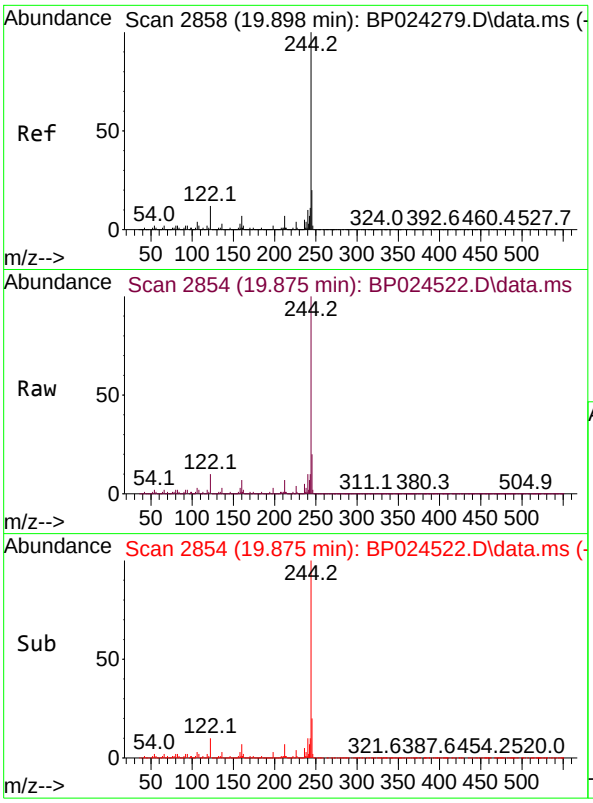


#78
Pyrene
Concen: 35.972 ng
RT: 19.663 min Scan# 2818
Delta R.T. 0.012 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion:202 Resp: 2017997

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.2	25.8
203	17.5	14.4	21.6



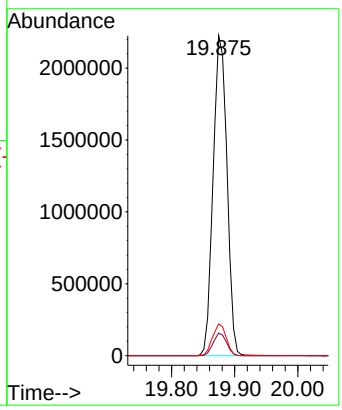


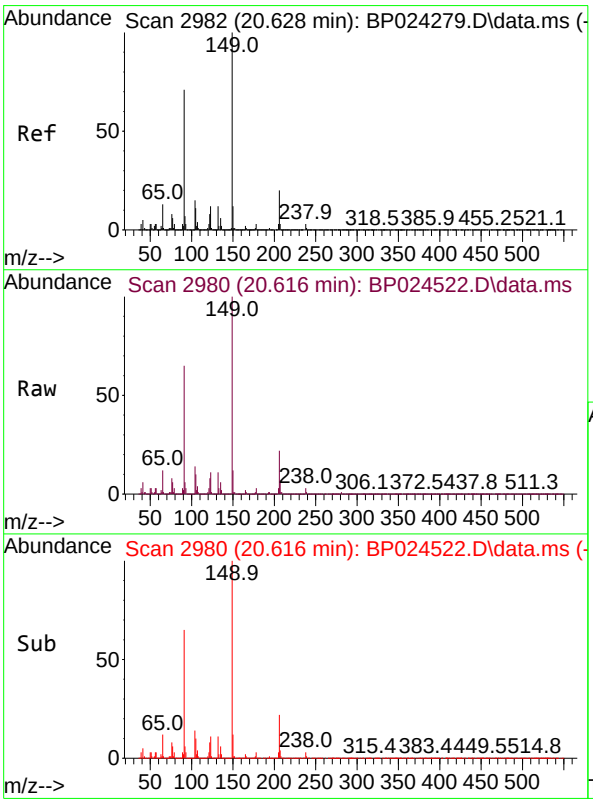
#79
Terphenyl-d14
Concen: 77.399 ng
RT: 19.875 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 3389636

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	9.9	9.4	14.0

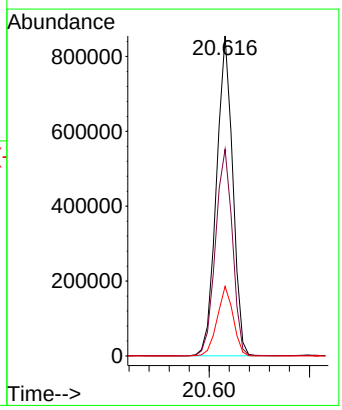


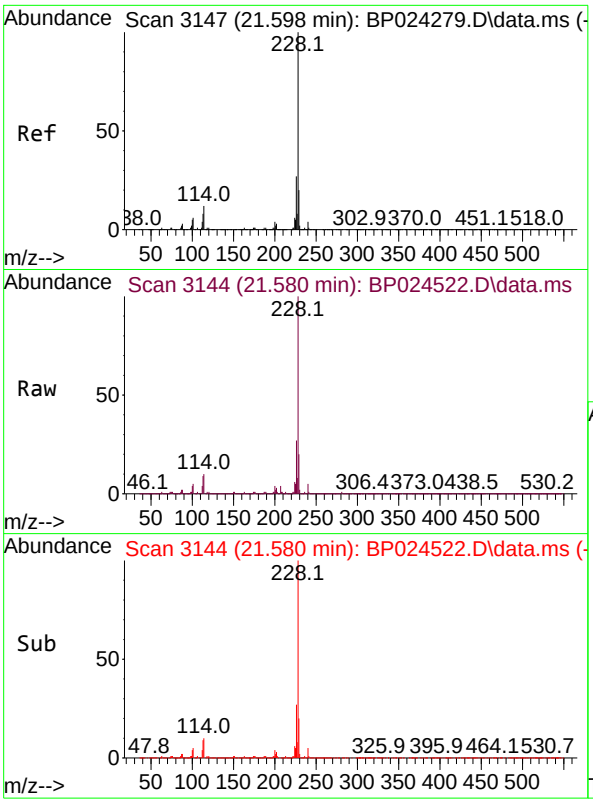


#80
Butylbenzylphthalate
Concen: 40.073 ng
RT: 20.616 min Scan# 2980
Delta R.T. 0.012 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion:149 Resp: 962897

Ion	Ratio	Lower	Upper
149	100		
91	64.6	56.4	84.6
206	21.7	16.3	24.5



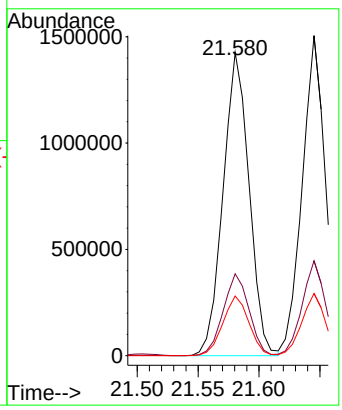


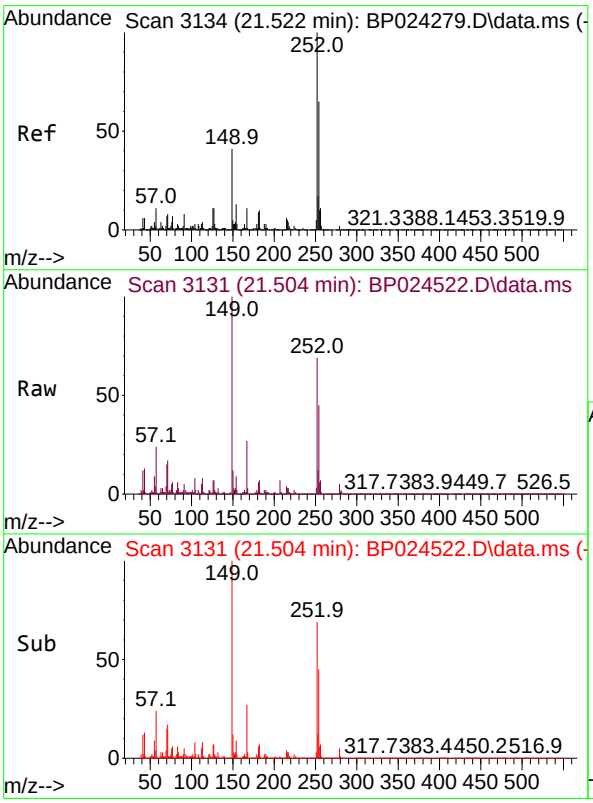
#81
Benzo(a)anthracene
Concen: 38.617 ng
RT: 21.580 min Scan# 31
Delta R.T. 0.012 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 2118786

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.8	32.8
229	19.7	15.9	23.9

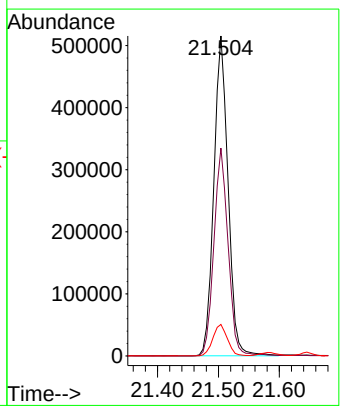


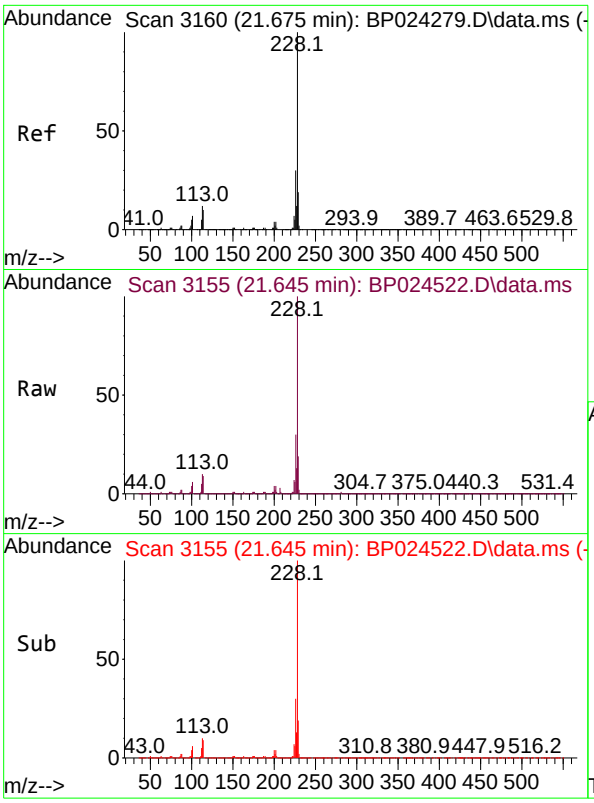


#82
3,3'-Dichlorobenzidine
Concen: 43.353 ng
RT: 21.504 min Scan# 3131
Delta R.T. 0.012 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion:252 Resp: 834874

Ion	Ratio	Lower	Upper
252	100		
254	65.0	51.7	77.5
126	9.9	8.8	13.2



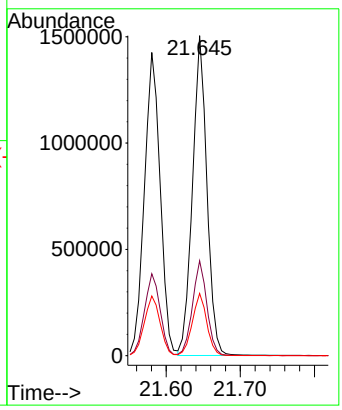


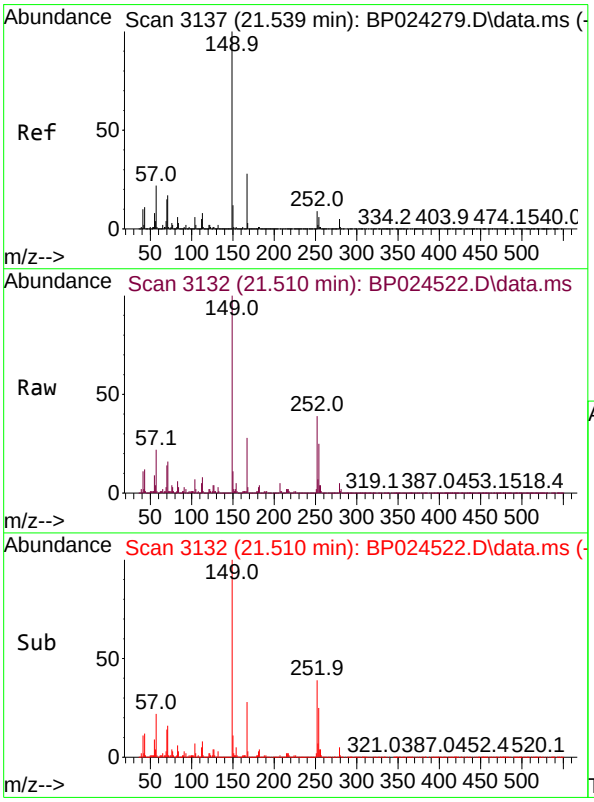
#83
Chrysene
Concen: 38.698 ng
RT: 21.645 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 2034193

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.2	36.2
229	19.4	15.6	23.4

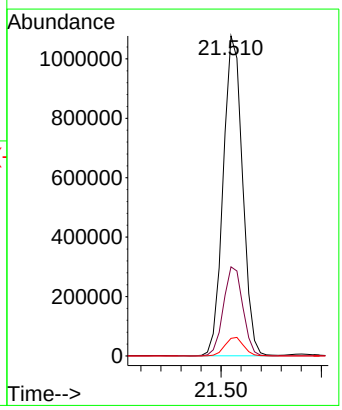


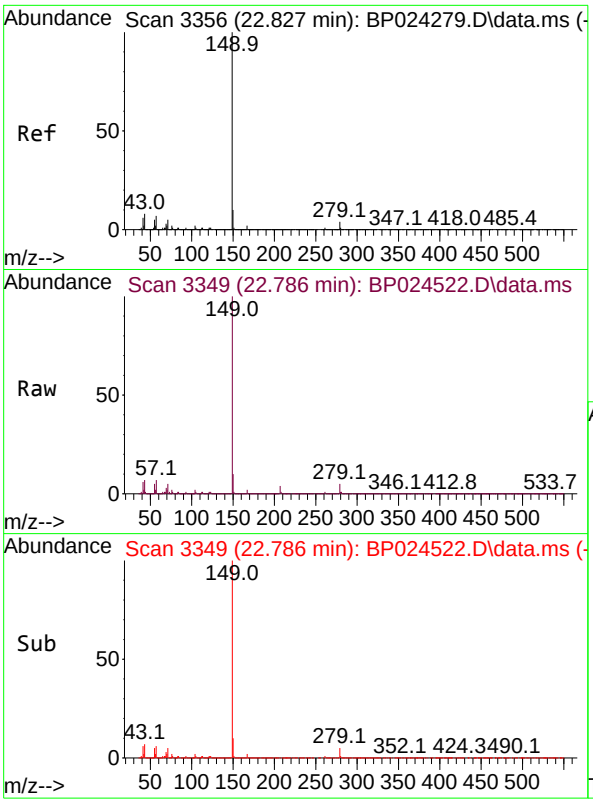


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.771 ng
RT: 21.510 min Scan# 3132
Delta R.T. 0.000 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion:149 Resp: 1436161

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.4	33.6
279	5.5	4.0	6.0



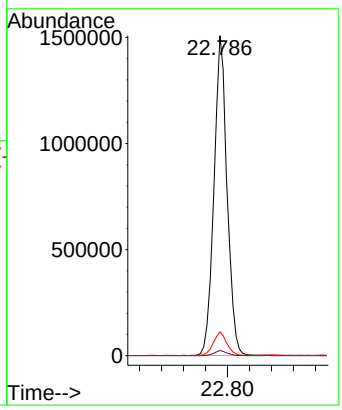


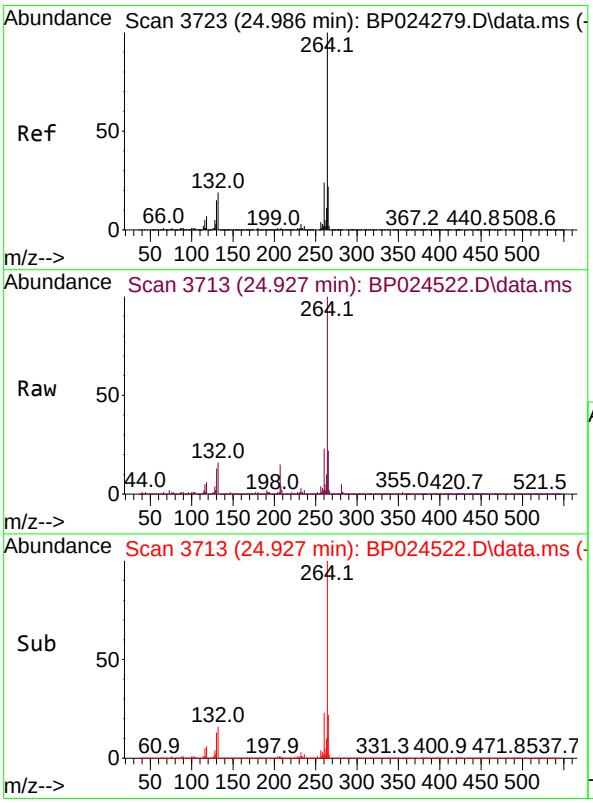
#85
Di-n-octyl phthalate
Concen: 43.501 ng
RT: 22.786 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 2491117

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.5	6.0	9.0

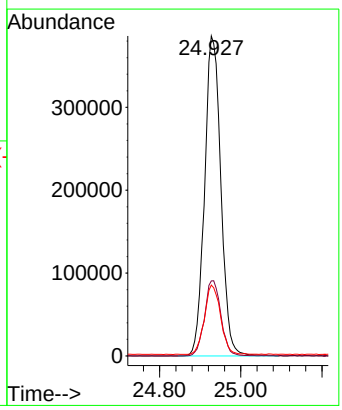


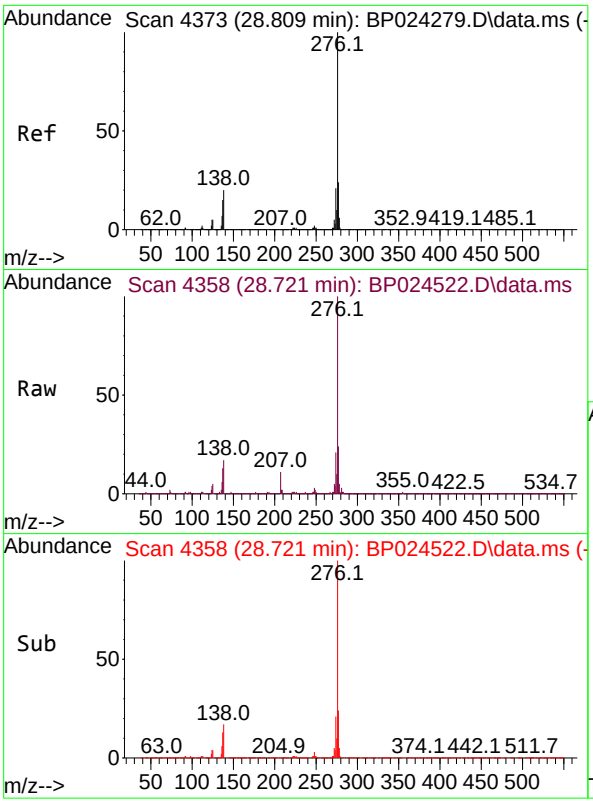


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.927 min Scan# 3713
Delta R.T. -0.006 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion:264 Resp: 1072388

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.9	28.3
265	22.2	17.8	26.6



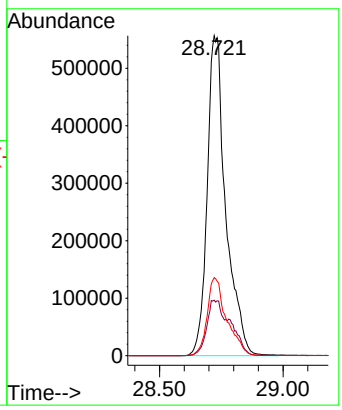


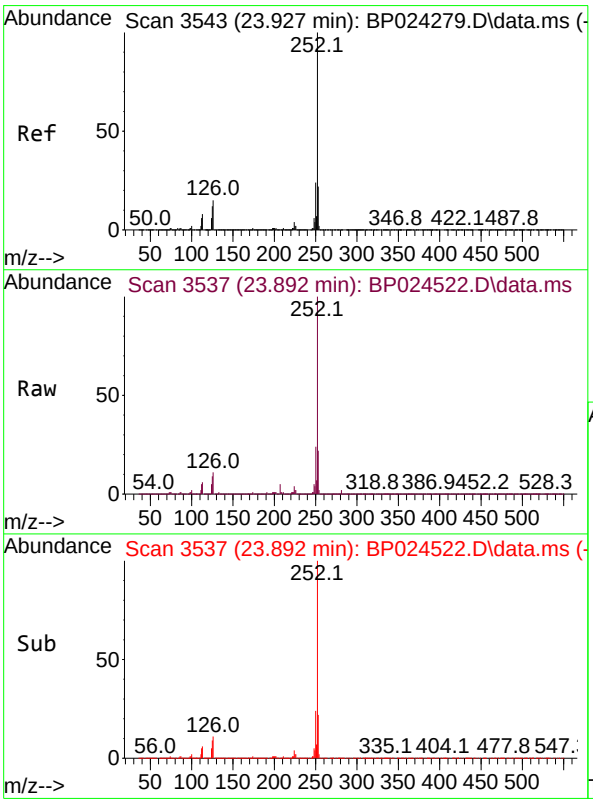
#87
Indeno(1,2,3-cd)pyrene
Concen: 39.109 ng
RT: 28.721 min Scan# 4
Delta R.T. -0.017 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 2911665

Ion	Ratio	Lower	Upper
276	100		
138	22.0	14.5	21.7#
277	25.6	20.2	30.2

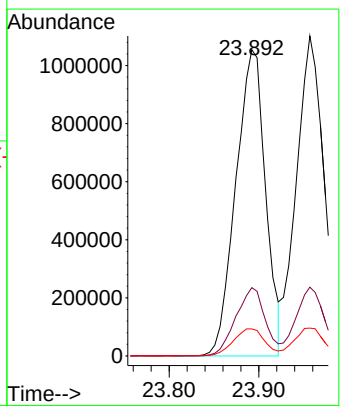


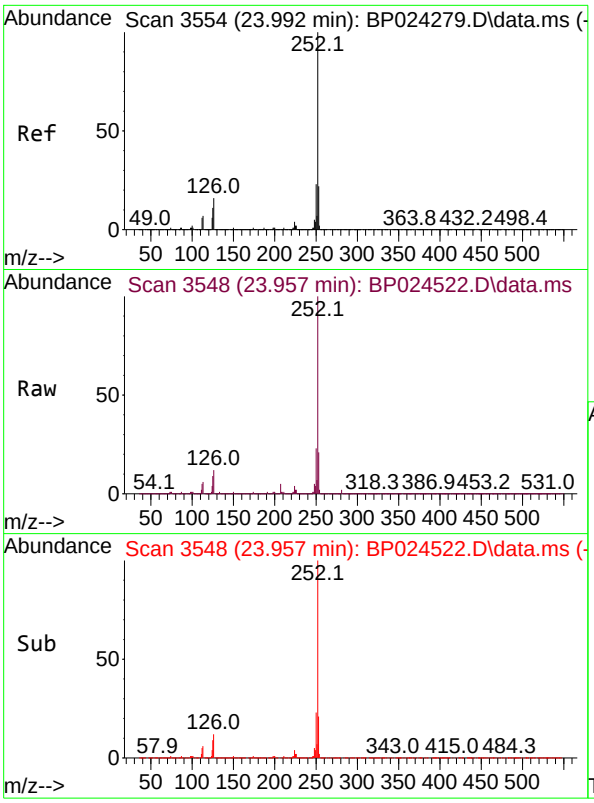


#88
Benzo(b)fluoranthene
Concen: 37.729 ng
RT: 23.892 min Scan# 3537
Delta R.T. 0.006 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion:252 Resp: 2425230

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	8.8	9.4	14.0#



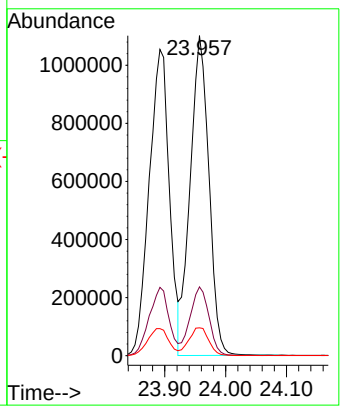


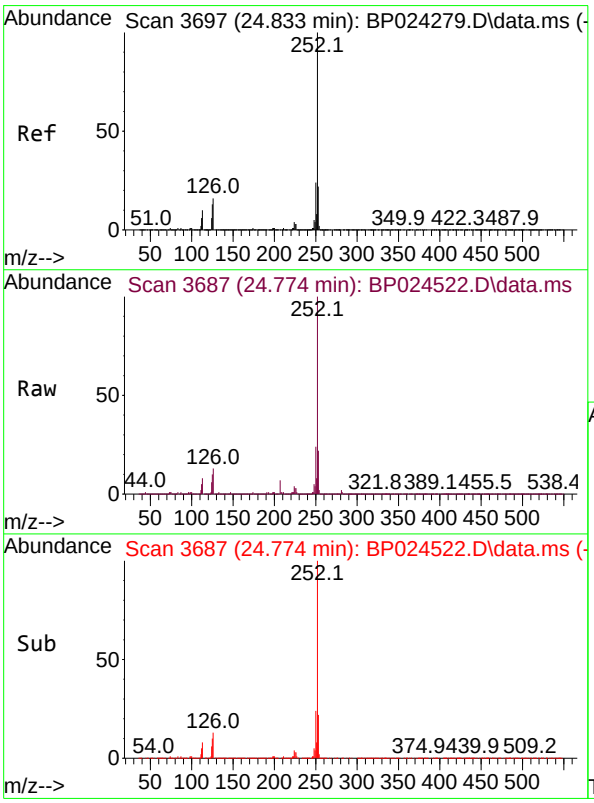
#89
Benzo(k)fluoranthene
Concen: 37.844 ng
RT: 23.957 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 2349778

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.7	26.5
125	8.7	9.1	13.7#

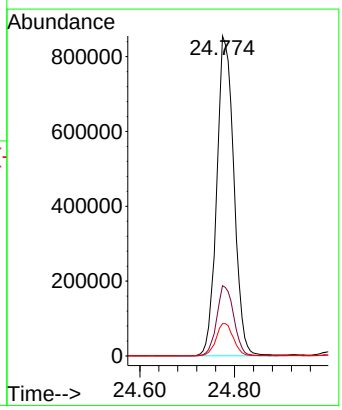


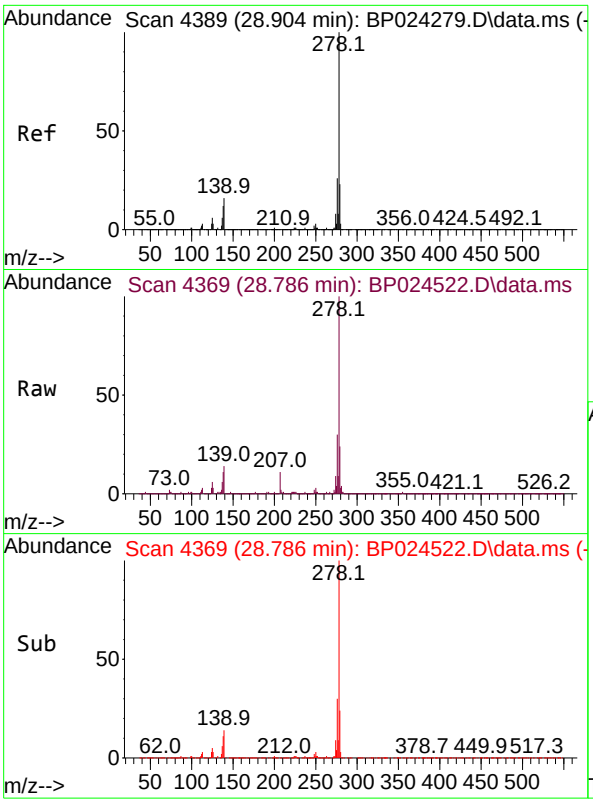


#90
Benzo(a)pyrene
Concen: 38.719 ng
RT: 24.774 min Scan# 3687
Delta R.T. -0.006 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion:252 Resp: 2146872

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	10.1	10.1	15.1



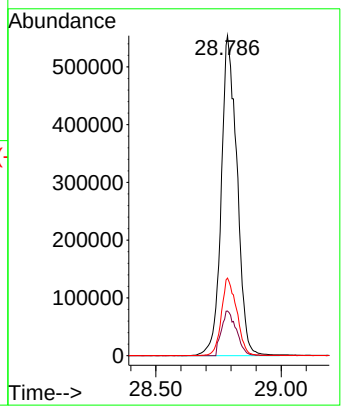


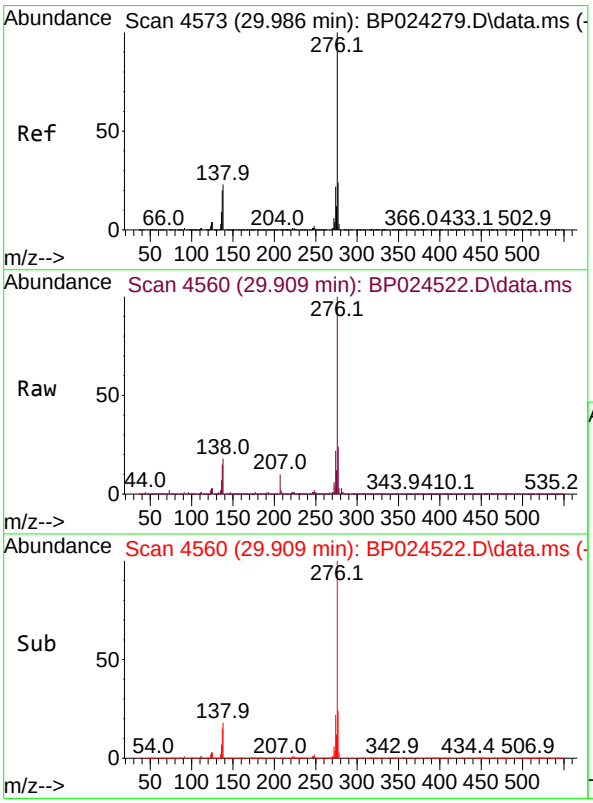
#91
Dibenzo(a,h)anthracene
Concen: 39.176 ng
RT: 28.786 min Scan# 4
Delta R.T. -0.017 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 2420922

Ion	Ratio	Lower	Upper
278	100		
139	13.9	12.6	19.0
279	24.2	18.5	27.7

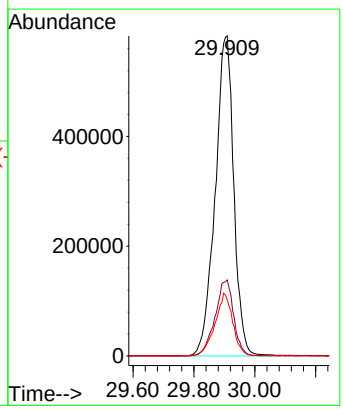




#92
Benzo(g,h,i)perylene
Concen: 39.272 ng
RT: 29.909 min Scan# 4560
Delta R.T. 0.012 min
Lab File: BP024522.D
Acq: 05 May 2025 12:38

Tgt Ion:276 Resp: 2470173

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.9	28.3
138	17.6	18.7	28.1#



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050525\
Data File : BP024522.D
Acq On : 05 May 2025 12:38
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 05 13:05:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 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	54	-0.02
2		1,4-Dioxane	0.512	0.458	10.5	48#	-0.01
3		Pyridine	1.351	1.195	11.5	46#	-0.01
4		n-Nitrosodimethylamine	0.448	0.478	-6.7	56	-0.01
5	S	2-Fluorophenol	1.210	1.171	3.2	50	-0.02
6		Aniline	1.480	1.385	6.4	47#	-0.02
7	S	Phenol-d6	1.656	1.555	6.1	48#	-0.01
8		2-Chlorophenol	1.350	1.315	2.6	51	-0.02
9		Benzaldehyde	0.819	0.860	-5.0	55	-0.02
10	C	Phenol	1.661	1.523	8.3	47#	-0.02
11		bis(2-Chloroethyl)ether	1.339	1.157	13.6	44#	-0.02
12		1,3-Dichlorobenzene	1.454	1.389	4.5	50	-0.02
13	C	1,4-Dichlorobenzene	1.475	1.397	5.3	50	-0.02
14		1,2-Dichlorobenzene	1.424	1.363	4.3	51	-0.02
15		Benzyl Alcohol	1.071	1.076	-0.5	50#	-0.02
16		2,2'-oxybis(1-Chloropropane	1.447	1.250	13.6	44#	-0.01
17		2-Methylphenol	1.075	1.030	4.2	49#	-0.02
18		Hexachloroethane	0.533	0.505	5.3	50	-0.02
19	P	n-Nitroso-di-n-propylamine	1.025	0.938	8.5	47#	-0.02
20		3+4-Methylphenols	1.491	1.423	4.6	48#	-0.02
21	I	Naphthalene-d8	1.000	1.000	0.0	52	-0.02
22		Acetophenone	0.495	0.487	1.6	48#	-0.02
23	S	Nitrobenzene-d5	0.351	0.347	1.1	49#	-0.02
24		Nitrobenzene	0.347	0.332	4.3	47#	-0.01
25		Isophorone	0.635	0.608	4.3	47#	-0.01
26	C	2-Nitrophenol	0.170	0.183	-7.6	51	-0.02
27		2,4-Dimethylphenol	0.213	0.212	0.5	48#	-0.02
28		bis(2-Chloroethoxy)methane	0.429	0.381	11.2	43#	-0.02
29	C	2,4-Dichlorophenol	0.291	0.297	-2.1	50#	-0.01
30		1,2,4-Trichlorobenzene	0.311	0.308	1.0	50#	-0.02
31		Naphthalene	1.054	1.016	3.6	49#	-0.02
32		Benzoic acid	0.248	0.250	-0.8	53	0.00
33		4-Chloroaniline	0.371	0.374	-0.8	49#	-0.02
34	C	Hexachlorobutadiene	0.183	0.193	-5.5	53	-0.02
35		Caprolactam	0.107	0.114	-6.5	53	-0.01
36	C	4-Chloro-3-methylphenol	0.339	0.352	-3.8	51	-0.02
37		2-Methylnaphthalene	0.731	0.712	2.6	49#	-0.02
38		1-Methylnaphthalene	0.715	0.694	2.9	49#	-0.01
39	I	Acenaphthene-d10	1.000	1.000	0.0	55	-0.01
40		1,2,4,5-Tetrachlorobenzene	0.550	0.538	2.2	51	-0.02
41	P	Hexachlorocyclopentadiene	0.195	0.176	9.7	44#	-0.02
42	S	2,4,6-Tribromophenol	0.277	0.323	-16.6	61	0.00
43	C	2,4,6-Trichlorophenol	0.366	0.371	-1.4	52	-0.02
44		2,4,5-Trichlorophenol	0.405	0.407	-0.5	52	-0.02
45	S	2-Fluorobiphenyl	1.306	1.264	3.2	50	-0.01
46		1,1'-Biphenyl	1.470	1.390	5.4	50#	-0.02
47		2-Chloronaphthalene	1.099	1.048	4.6	50	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050525\
Data File : BP024522.D
Acq On : 05 May 2025 12:38
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 05 13:05:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 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	0.308	0.324	-5.2	53	-0.01
49		Acenaphthylene	1.730	1.686	2.5	51	-0.01
50		Dimethylphthalate	1.454	1.430	1.7	52	-0.02
51		2,6-Dinitrotoluene	0.309	0.311	-0.6	52	-0.01
52	C	Acenaphthene	1.097	1.039	5.3	50	-0.02
53		3-Nitroaniline	0.325	0.332	-2.2	51	0.00
54	P	2,4-Dinitrophenol	0.182	0.189	-3.8	56	0.00
55		Dibenzofuran	1.793	1.694	5.5	50	-0.01
56	P	4-Nitrophenol	0.280	0.285	-1.8	51	0.00
57		2,4-Dinitrotoluene	0.421	0.437	-3.8	53	0.00
58		Fluorene	1.388	1.335	3.8	52	-0.01
59		2,3,4,6-Tetrachlorophenol	0.373	0.378	-1.3	53	0.00
60		Diethylphthalate	1.499	1.480	1.3	52	0.00
61		4-Chlorophenyl-phenylether	0.674	0.659	2.2	53	0.00
62		4-Nitroaniline	0.344	0.368	-7.0	54	0.00
63		Azobenzene	1.378	1.267	8.1	48#	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	56	0.00
65		4,6-Dinitro-2-methylphenol	0.126	0.130	-3.2	56	0.00
66	c	n-Nitrosodiphenylamine	0.597	0.572	4.2	51	0.00
67		4-Bromophenyl-phenylether	0.219	0.222	-1.4	54	0.00
68		Hexachlorobenzene	0.260	0.274	-5.4	57	0.00
69		Atrazine	0.152	0.151	0.7	70	0.00
70	C	Pentachlorophenol	0.181	0.195	-7.7	56	0.00
71		Phenanthrene	1.091	1.050	3.8	52	0.00
72		Anthracene	1.052	1.044	0.8	53	0.00
73		Carbazole	1.027	1.043	-1.6	54	0.00
74		Di-n-butylphthalate	1.280	1.356	-5.9	54	0.01
75	C	Fluoranthene	1.298	1.345	-3.6	56	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	65	0.01
77		Benzidine	0.254	0.373	-46.9#	56	0.00
78		Pyrene	1.271	1.143	10.1	57	0.01
79	S	Terphenyl-d14	0.992	0.960	3.2	61	0.00
80		Butylbenzylphthalate	0.544	0.545	-0.2	60	0.01
81		Benzo(a)anthracene	1.243	1.200	3.5	61	0.01
82		3,3'-Dichlorobenzidine	0.436	0.473	-8.5	64	0.01
83		Chrysene	1.191	1.152	3.3	62	0.00
84		Bis(2-ethylhexyl)phthalate	0.798	0.813	-1.9	60	0.00
85	c	Di-n-octyl phthalate	1.297	1.411	-8.8	63	0.00
86	I	Perylene-d12	1.000	1.000	0.0	72	0.00
87		Indeno(1,2,3-cd)pyrene	1.388	1.358	2.2	68	-0.02
88		Benzo(b)fluoranthene	1.199	1.131	5.7	65	0.00
89		Benzo(k)fluoranthene	1.158	1.096	5.4	65	0.00
90	C	Benzo(a)pyrene	1.034	1.001	3.2	66	0.00
91		Dibenzo(a,h)anthracene	1.152	1.129	2.0	68	-0.02
92		Benzo(g,h,i)perylene	1.173	1.152	1.8	68	0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050525\
Data File : BP024522.D
Acq On : 05 May 2025 12:38
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 05 13:05:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 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\BP050525\
Data File : BP024522.D
Acq On : 05 May 2025 12:38
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 05 13:05:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 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	54	-0.02
2		1,4-Dioxane	40.000	35.777	10.6	48	-0.01
3		Pyridine	40.000	35.372	11.6	46	-0.01
4		n-Nitrosodimethylamine	40.000	42.639	-6.6	56	-0.01
5	S	2-Fluorophenol	80.000	77.458	3.2	50	-0.02
6		Aniline	40.000	37.437	6.4	47	-0.02
7	S	Phenol-d6	80.000	75.121	6.1	48	-0.01
8		2-Chlorophenol	40.000	38.938	2.7	51	-0.02
9		Benzaldehyde	40.000	42.007	-5.0	55	-0.02
10	C	Phenol	40.000	36.656	8.4	47	-0.02
11		bis(2-Chloroethyl)ether	40.000	34.563	13.6	44	-0.02
12		1,3-Dichlorobenzene	40.000	38.210	4.5	50	-0.02
13	C	1,4-Dichlorobenzene	40.000	37.877	5.3	50	-0.02
14		1,2-Dichlorobenzene	40.000	38.282	4.3	51	-0.02
15		Benzyl Alcohol	40.000	40.197	-0.5	50	-0.02
16		2,2'-oxybis(1-Chloropropane	40.000	34.559	13.6	44	-0.01
17		2-Methylphenol	40.000	38.345	4.1	49	-0.02
18		Hexachloroethane	40.000	37.884	5.3	50	-0.02
19	P	n-Nitroso-di-n-propylamine	40.000	36.635	8.4	47	-0.02
20		3+4-Methylphenols	40.000	38.178	4.6	48	-0.02
21	I	Naphthalene-d8	20.000	20.000	0.0	52	-0.02
22		Acetophenone	40.000	39.368	1.6	48	-0.02
23	S	Nitrobenzene-d5	80.000	79.065	1.2	49	-0.02
24		Nitrobenzene	40.000	38.268	4.3	47	-0.01
25		Isophorone	40.000	38.294	4.3	47	-0.01
26	C	2-Nitrophenol	40.000	43.018	-7.5	51	-0.02
27		2,4-Dimethylphenol	40.000	39.701	0.7	48	-0.02
28		bis(2-Chloroethoxy)methane	40.000	35.563	11.1	43	-0.02
29	C	2,4-Dichlorophenol	40.000	40.835	-2.1	50	-0.01
30		1,2,4-Trichlorobenzene	40.000	39.565	1.1	50	-0.02
31		Naphthalene	40.000	38.590	3.5	49	-0.02
32		Benzoic acid	40.000	40.228	-0.6	53	0.00
33		4-Chloroaniline	40.000	40.376	-0.9	49	-0.02
34	C	Hexachlorobutadiene	40.000	42.102	-5.3	53	-0.02
35		Caprolactam	40.000	42.634	-6.6	53	-0.01
36	C	4-Chloro-3-methylphenol	40.000	41.549	-3.9	51	-0.02
37		2-Methylnaphthalene	40.000	38.998	2.5	49	-0.02
38		1-Methylnaphthalene	40.000	38.858	2.9	49	-0.01
39	I	Acenaphthene-d10	20.000	20.000	0.0	55	-0.01
40		1,2,4,5-Tetrachlorobenzene	40.000	39.159	2.1	51	-0.02
41	P	Hexachlorocyclopentadiene	40.000	36.275	9.3	44	-0.02
42	S	2,4,6-Tribromophenol	80.000	93.287	-16.6	61	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.552	-1.4	52	-0.02
44		2,4,5-Trichlorophenol	40.000	40.181	-0.5	52	-0.02
45	S	2-Fluorobiphenyl	80.000	77.408	3.2	50	-0.01
46		1,1'-Biphenyl	40.000	37.812	5.5	50	-0.02
47		2-Chloronaphthalene	40.000	38.154	4.6	50	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050525\
Data File : BP024522.D
Acq On : 05 May 2025 12:38
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 05 13:05:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 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	42.002	-5.0	53	-0.01
49		Acenaphthylene	40.000	38.978	2.6	51	-0.01
50		Dimethylphthalate	40.000	39.326	1.7	52	-0.02
51		2,6-Dinitrotoluene	40.000	40.338	-0.8	52	-0.01
52	C	Acenaphthene	40.000	37.907	5.2	50	-0.02
53		3-Nitroaniline	40.000	40.918	-2.3	51	0.00
54	P	2,4-Dinitrophenol	40.000	41.652	-4.1	56	0.00
55		Dibenzofuran	40.000	37.805	5.5	50	-0.01
56	P	4-Nitrophenol	40.000	40.734	-1.8	51	0.00
57		2,4-Dinitrotoluene	40.000	41.451	-3.6	53	0.00
58		Fluorene	40.000	38.466	3.8	52	-0.01
59		2,3,4,6-Tetrachlorophenol	40.000	40.451	-1.1	53	0.00
60		Diethylphthalate	40.000	39.507	1.2	52	0.00
61		4-Chlorophenyl-phenylether	40.000	39.111	2.2	53	0.00
62		4-Nitroaniline	40.000	42.858	-7.1	54	0.00
63		Azobenzene	40.000	36.799	8.0	48	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	56	0.00
65		4,6-Dinitro-2-methylphenol	40.000	41.322	-3.3	56	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.306	4.2	51	0.00
67		4-Bromophenyl-phenylether	40.000	40.574	-1.4	54	0.00
68		Hexachlorobenzene	40.000	42.165	-5.4	57	0.00
69		Atrazine	40.000	39.846	0.4	70	0.00
70	C	Pentachlorophenol	40.000	43.112	-7.8	56	0.00
71		Phenanthrene	40.000	38.480	3.8	52	0.00
72		Anthracene	40.000	39.721	0.7	53	0.00
73		Carbazole	40.000	40.606	-1.5	54	0.00
74		Di-n-butylphthalate	40.000	42.387	-6.0	54	0.01
75	C	Fluoranthene	40.000	41.464	-3.7	56	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	65	0.01
77		Benzidine	40.000	58.813	-47.0#	56	0.00
78		Pyrene	40.000	35.972	10.1	57	0.01
79	S	Terphenyl-d14	80.000	77.399	3.3	61	0.00
80		Butylbenzylphthalate	40.000	40.073	-0.2	60	0.01
81		Benzo(a)anthracene	40.000	38.617	3.5	61	0.01
82		3,3'-Dichlorobenzidine	40.000	43.353	-8.4	64	0.01
83		Chrysene	40.000	38.698	3.3	62	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	40.771	-1.9	60	0.00
85	c	Di-n-octyl phthalate	40.000	43.501	-8.8	63	0.00
86	I	Perylene-d12	20.000	20.000	0.0	72	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	39.109	2.2	68	-0.02
88		Benzo(b)fluoranthene	40.000	37.729	5.7	65	0.00
89		Benzo(k)fluoranthene	40.000	37.844	5.4	65	0.00
90	C	Benzo(a)pyrene	40.000	38.719	3.2	66	0.00
91		Dibenzo(a,h)anthracene	40.000	39.176	2.1	68	-0.02
92		Benzo(g,h,i)perylene	40.000	39.272	1.8	68	0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050525\
Data File : BP024522.D
Acq On : 05 May 2025 12:38
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 05 13:05:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 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: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG No.: Q1883

Instrument ID: BNA_P Calibration Date/Time: 05/05/2025 23:32

Lab File ID: BP024538.D Init. Calib. Date(s): 04/14/2025 04/14/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 11:06 17:13

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.210	1.181		-2.4	50.0
Phenol-d6	1.656	1.533		-7.4	50.0
Nitrobenzene-d5	0.351	0.353		0.6	50.0
Naphthalene	1.054	1.018		-3.4	50.0
2-Methylnaphthalene	0.731	0.708		-3.1	50.0
2-Fluorobiphenyl	1.306	1.276		-2.3	50.0
Acenaphthylene	1.730	1.682		-2.8	50.0
Acenaphthene	1.097	1.053		-4.0	50.0
Fluorene	1.388	1.349		-2.8	50.0
2,4,6-Tribromophenol	0.277	0.318		14.8	50.0
Phenanthrene	1.091	1.031		-5.5	50.0
Anthracene	1.052	1.024		-2.7	50.0
Fluoranthene	1.298	1.278		-1.5	50.0
Pyrene	1.271	1.170		-7.9	50.0
Terphenyl-d14	0.992	0.966		-2.6	50.0
Benzo(a)anthracene	1.243	1.204		-3.1	50.0
Chrysene	1.191	1.132		-5.0	50.0
Benzo(b)fluoranthene	1.199	1.158		-3.4	50.0
Benzo(k)fluoranthene	1.158	1.123		-3.0	50.0
Benzo(a)pyrene	1.034	0.999		-3.4	50.0
Indeno(1,2,3-cd)pyrene	1.388	1.374		-1.0	50.0
Dibenzo(a,h)anthracene	1.152	1.140		-1.0	50.0
Benzo(g,h,i)perylene	1.173	1.164		-0.8	50.0

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050525\
Data File : BP024538.D
Acq On : 05 May 2025 23:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 06 04:22:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.711	152	144567	20.000	ng	-0.01
21) Naphthalene-d8	10.481	136	583343	20.000	ng	#-0.02
39) Acenaphthene-d10	14.340	164	378766	20.000	ng	-0.01
64) Phenanthrene-d10	17.140	188	767035	20.000	ng	# 0.00
76) Chrysene-d12	21.575	240	886346	20.000	ng	-0.02
86) Perylene-d12	24.904	264	1026352	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	683126	78.131	ng	-0.01
7) Phenol-d6	6.899	99	886611	74.057	ng	-0.01
23) Nitrobenzene-d5	8.858	82	823080	80.455	ng	-0.01
42) 2,4,6-Tribromophenol	15.863	330	481102	91.806	ng	0.00
45) 2-Fluorobiphenyl	12.951	172	1933866	78.174	ng	-0.01
79) Terphenyl-d14	19.863	244	3423404	77.852	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.276	88	135489	36.636	ng	# 94
3) Pyridine	3.681	79	326718	33.456	ng	94
4) n-Nitrosodimethylamine	3.581	42	147352	45.465	ng	76
6) Aniline	7.052	93	216281	20.217	ng	97
8) 2-Chlorophenol	7.281	128	374578	38.372	ng	99
9) Benzaldehyde	6.864	77	255346	43.117	ng	99
10) Phenol	6.922	94	440038	36.640	ng	90
11) bis(2-Chloroethyl)ether	7.140	93	394510	40.770	ng	97
12) 1,3-Dichlorobenzene	7.599	146	397130	37.788	ng	99
13) 1,4-Dichlorobenzene	7.740	146	405802	38.057	ng	99
14) 1,2-Dichlorobenzene	8.058	146	386362	37.524	ng	99
15) Benzyl Alcohol	7.952	79	283984	36.679	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.234	45	360721	34.488	ng	100
17) 2-Methylphenol	8.158	107	295343	38.015	ng	97
18) Hexachloroethane	8.775	117	150477	39.049	ng	97
19) n-Nitroso-di-n-propyla...	8.505	70	265183	35.803	ng	94
20) 3+4-Methylphenols	8.481	107	407964	37.844	ng	97
22) Acetophenone	8.522	105	563009	38.995	ng	96
24) Nitrobenzene	8.899	77	404406	39.960	ng	98
25) Isophorone	9.416	82	697558	37.670	ng	99
26) 2-Nitrophenol	9.605	139	207805	41.958	ng	# 93
27) 2,4-Dimethylphenol	9.669	122	243617	39.175	ng	98
28) bis(2-Chloroethoxy)met...	9.893	93	444676	35.548	ng	99
29) 2,4-Dichlorophenol	10.152	162	344580	40.639	ng	98
30) 1,2,4-Trichlorobenzene	10.346	180	364501	40.122	ng	99
31) Naphthalene	10.528	128	1187661	38.650	ng	100
32) Benzoic acid	9.828	122	244090	33.686	ng	98
33) 4-Chloroaniline	10.663	127	296461	27.396	ng	98
34) Hexachlorobutadiene	10.810	225	224906	42.129	ng	99
35) Caprolactam	11.434	113	125386	40.077	ng	95
36) 4-Chloro-3-methylphenol	11.787	107	411177	41.633	ng	98
37) 2-Methylnaphthalene	12.140	142	825520	38.737	ng	97
38) 1-Methylnaphthalene	12.363	142	796632	38.212	ng	98
40) 1,2,4,5-Tetrachloroben...	12.516	216	413571	39.705	ng	99
41) Hexachlorocyclopentadiene	12.493	237	150687	40.904	ng	97
43) 2,4,6-Trichlorophenol	12.757	196	282121	40.738	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050525\
Data File : BP024538.D
Acq On : 05 May 2025 23:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 06 04:22:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.852	196	314542	41.016	ng		99
46) 1,1'-Biphenyl	13.157	154	1066305	38.299	ng		99
47) 2-Chloronaphthalene	13.204	162	803949	38.636	ng		97
48) 2-Nitroaniline	13.416	65	251733	43.129	ng		97
49) Acenaphthylene	14.057	152	1274393	38.900	ng		100
50) Dimethylphthalate	13.799	163	1097300	39.837	ng		100
51) 2,6-Dinitrotoluene	13.916	165	236598	40.451	ng		90
52) Acenaphthene	14.404	154	797423	38.394	ng		98
53) 3-Nitroaniline	14.257	138	247785	40.307	ng		94
54) 2,4-Dinitrophenol	14.469	184	142586	41.385	ng		89
55) Dibenzofuran	14.746	168	1309872	38.583	ng		95
56) 4-Nitrophenol	14.610	139	180790	34.052	ng		86
57) 2,4-Dinitrotoluene	14.716	165	345139	43.257	ng	#	98
58) Fluorene	15.404	166	1021639	38.874	ng		99
59) 2,3,4,6-Tetrachlorophenol	14.981	232	290161	41.024	ng		96
60) Diethylphthalate	15.175	149	1140003	40.162	ng		100
61) 4-Chlorophenyl-phenyle...	15.398	204	504440	39.526	ng		97
62) 4-Nitroaniline	15.445	138	241494	37.109	ng		84
63) Azobenzene	15.698	77	998056	38.255	ng		95
65) 4,6-Dinitro-2-methylph...	15.498	198	196115	40.554	ng		96
66) n-Nitrosodiphenylamine	15.622	169	851095	37.175	ng		99
67) 4-Bromophenyl-phenylether	16.316	248	335935	40.045	ng		98
68) Hexachlorobenzene	16.434	284	413246	41.456	ng		98
69) Atrazine	16.604	200	164069	28.138	ng		98
70) Pentachlorophenol	16.787	266	286852	41.249	ng		99
71) Phenanthrene	17.187	178	1581602	37.798	ng		99
72) Anthracene	17.281	178	1570576	38.944	ng		99
73) Carbazole	17.557	167	1525243	38.707	ng		98
74) Di-n-butylphthalate	18.145	149	1981084	40.354	ng		99
75) Fluoranthene	19.269	202	1960802	39.400	ng		97
77) Benzidine	19.492	184	127179m	11.320	ng		
78) Pyrene	19.645	202	2073826	36.817	ng		99
80) Butylbenzylphthalate	20.598	149	938336	38.892	ng		99
81) Benzo(a)anthracene	21.557	228	2134204	38.739	ng		100
82) 3,3'-Dichlorobenzidine	21.486	252	506543	26.196	ng		99
83) Chrysene	21.628	228	2006771	38.021	ng		100
84) Bis(2-ethylhexyl)phtha...	21.492	149	1372545	38.807	ng		100
85) Di-n-octyl phthalate	22.757	149	2318596	40.324	ng		99
87) Indeno(1,2,3-cd)pyrene	28.698	276	2820939	39.590	ng		98
88) Benzo(b)fluoranthene	23.851	252	2376622	38.631	ng		98
89) Benzo(k)fluoranthene	23.922	252	2304357	38.777	ng		98
90) Benzo(a)pyrene	24.751	252	2050411	38.638	ng		98
91) Dibenzo(a,h)anthracene	28.757	278	2340474	39.573	ng		97
92) Benzo(g,h,i)perylene	29.868	276	2389696	39.697	ng		95

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

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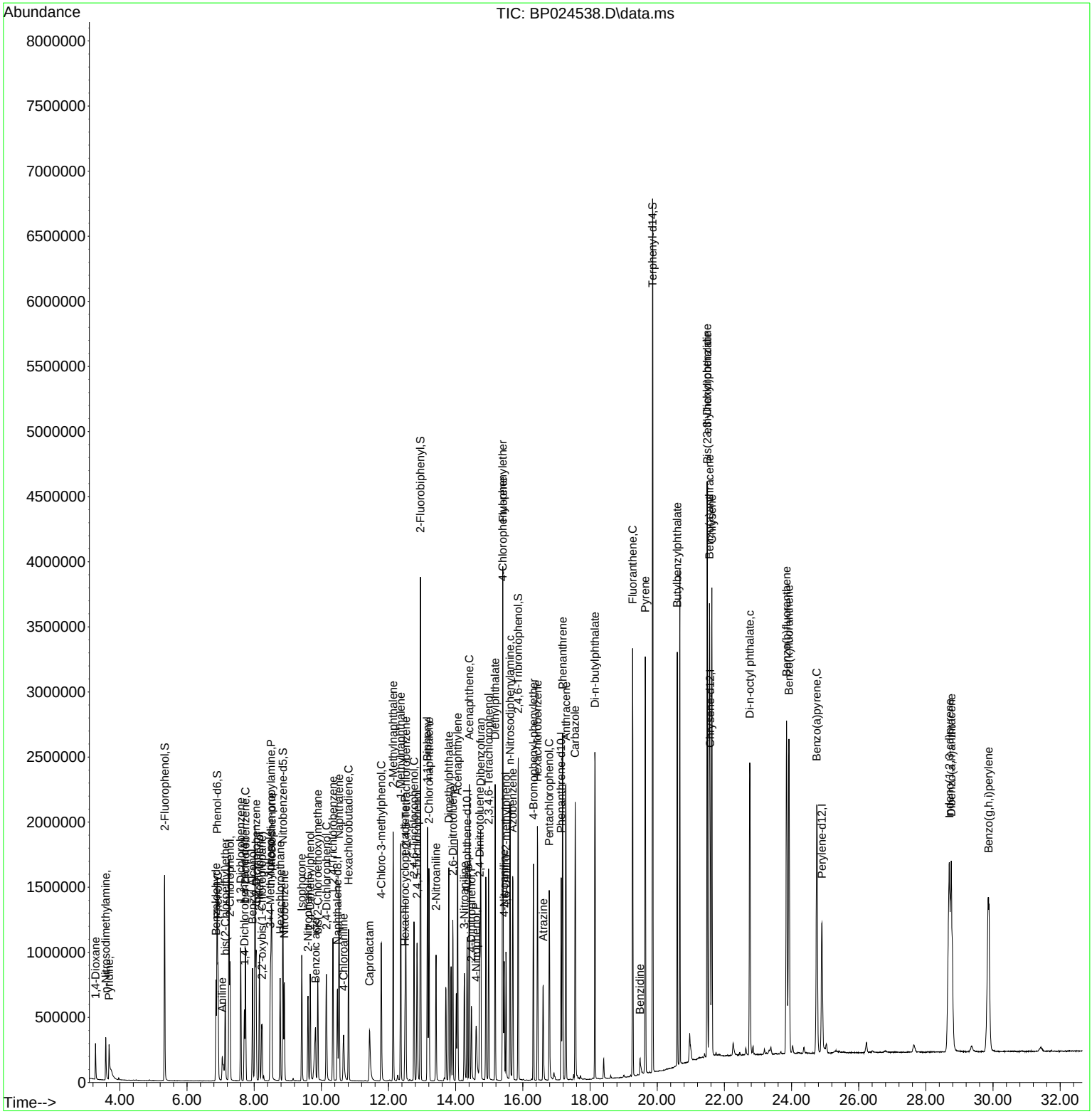
Data File : BP024538.D
Acq On : 05 May 2025 23:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

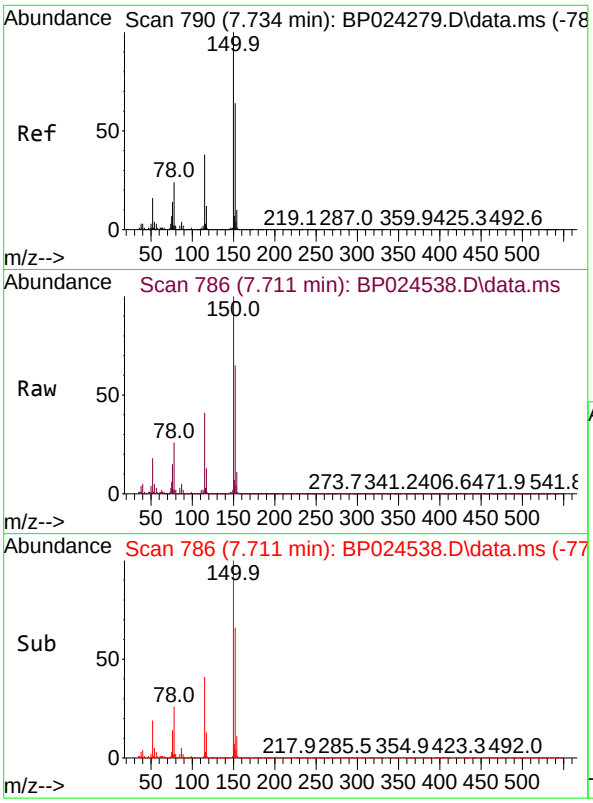
Quant Time: May 06 04:22:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

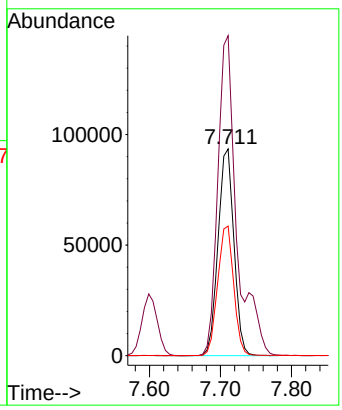




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.711 min Scan# 7
Delta R.T. -0.011 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:152 Resp: 14456

Ion	Ratio	Lower	Upper
152	100		
150	154.8	124.9	187.3
115	62.7	47.7	71.5



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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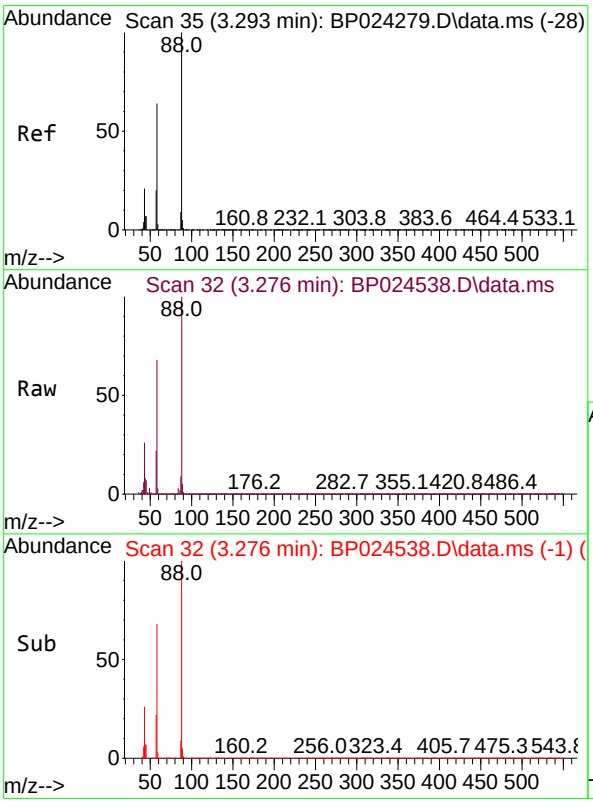
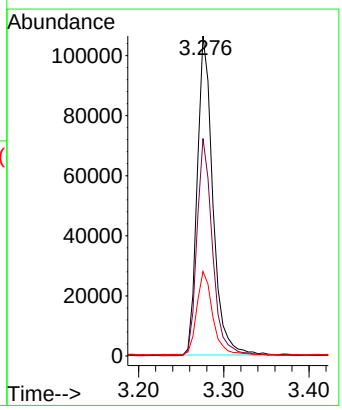
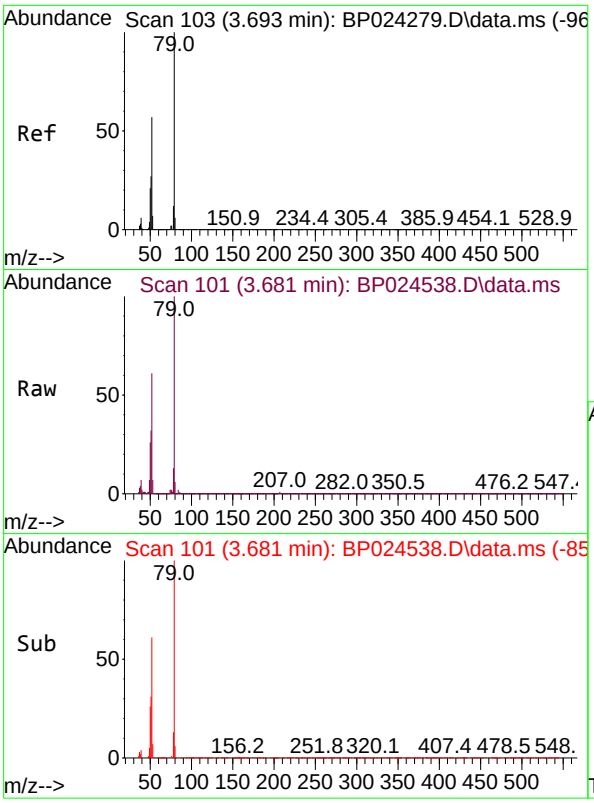


#2
1,4-Dioxane
Concen: 36.636 ng
RT: 3.276 min Scan# 32
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion: 88 Resp: 135489

Ion	Ratio	Lower	Upper
88	100		
58	67.7	51.4	77.2
43	26.7	17.1	25.7#

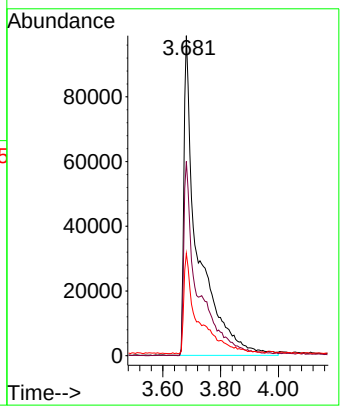




#3
Pyridine
Concen: 33.456 ng
RT: 3.681 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion: 79 Resp: 32671

Ion	Ratio	Lower	Upper
79	100		
52	60.7	45.4	68.2
51	32.0	22.6	33.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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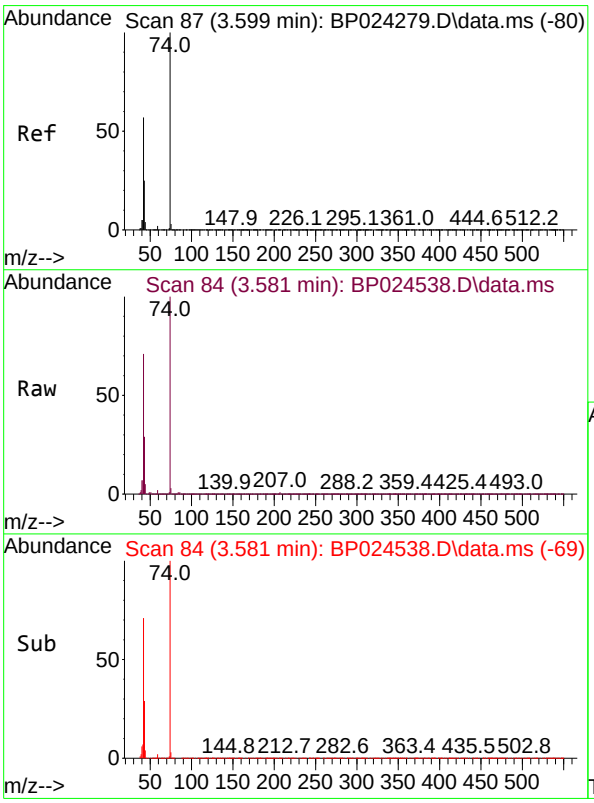
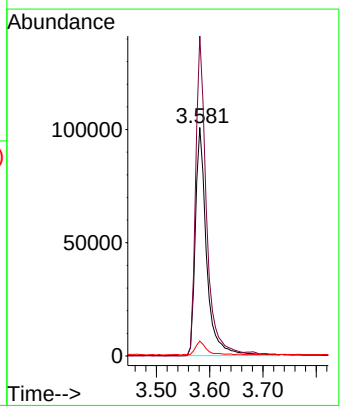
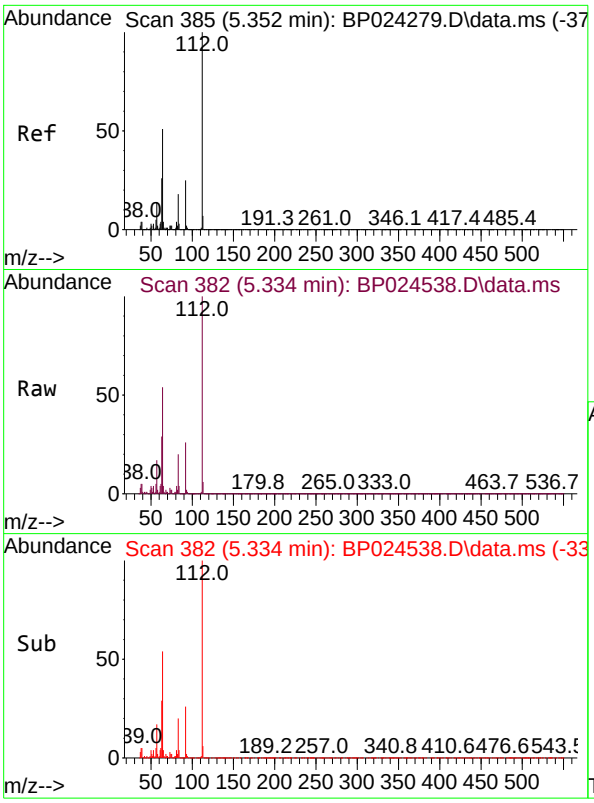


#4
n-Nitrosodimethylamine
Concen: 45.465 ng
RT: 3.581 min Scan# 84
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion: 42 Resp: 147352

Ion	Ratio	Lower	Upper
42	100		
74	140.0	139.5	209.3
44	6.5	5.8	8.8





#5
2-Fluorophenol
Concen: 78.131 ng
RT: 5.334 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:112 Resp: 68312

Ion	Ratio	Lower	Upper
112	100		
64	54.0	41.1	61.7
63	28.6	20.6	30.8

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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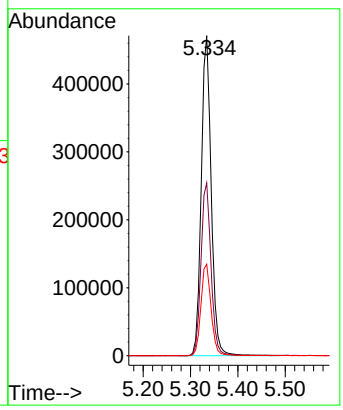
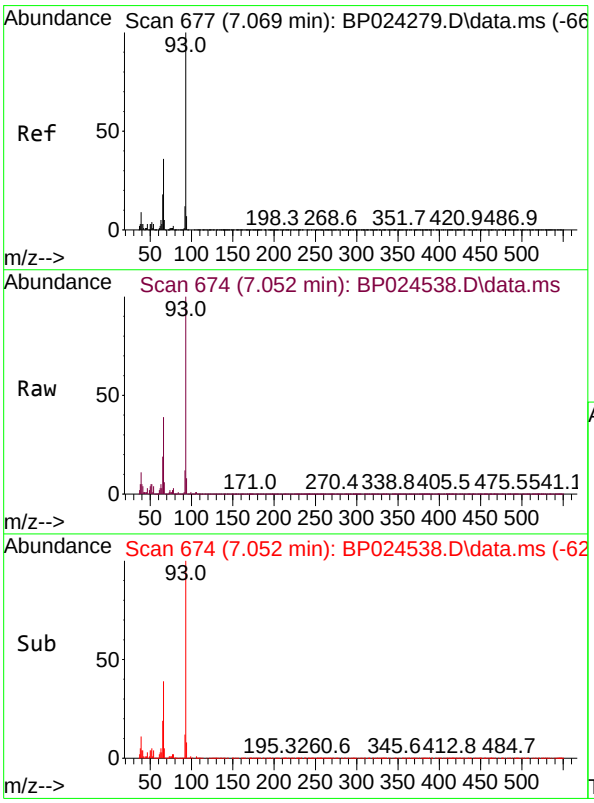
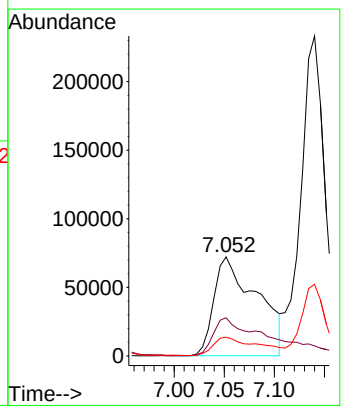


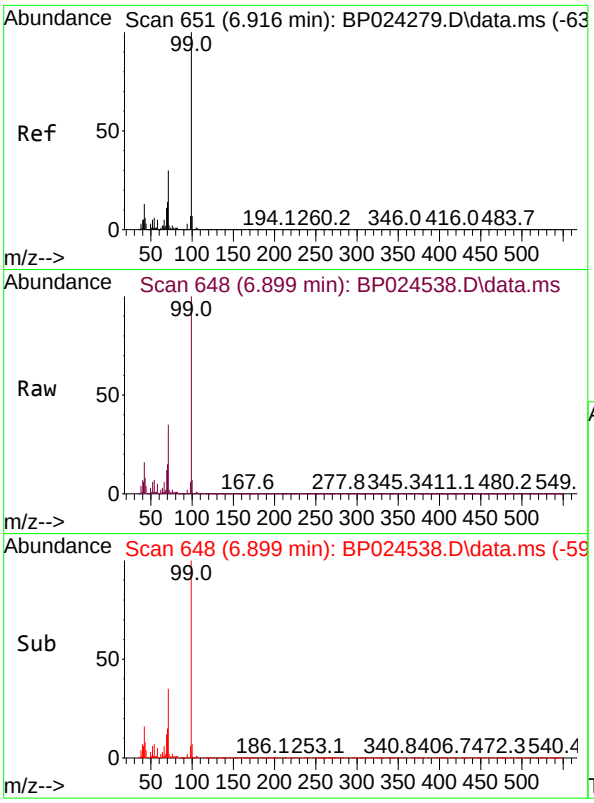


#6
Aniline
Concen: 20.217 ng
RT: 7.052 min Scan# 674
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion: 93 Resp: 216281

Ion	Ratio	Lower	Upper
93	100		
66	38.6	29.1	43.7
65	18.9	14.7	22.1

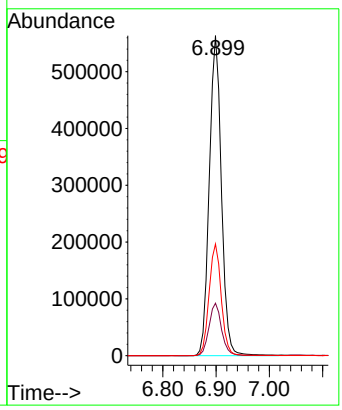




#7
Phenol-d6
Concen: 74.057 ng
RT: 6.899 min Scan# 64
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion: 99 Resp: 88661

Ion	Ratio	Lower	Upper
99	100		
42	16.4	10.6	16.0
71	34.9	23.7	35.5



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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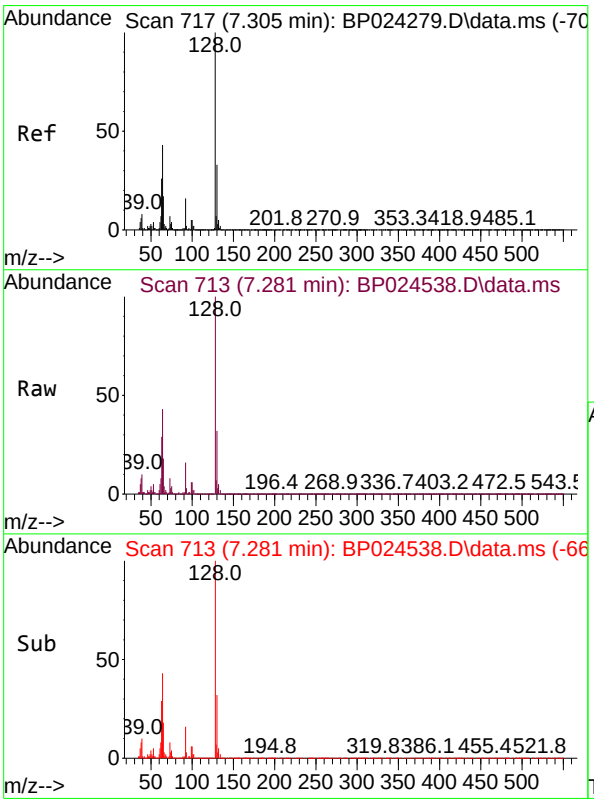
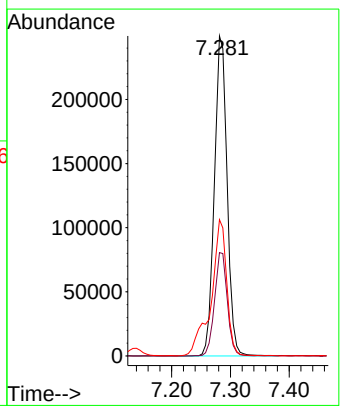
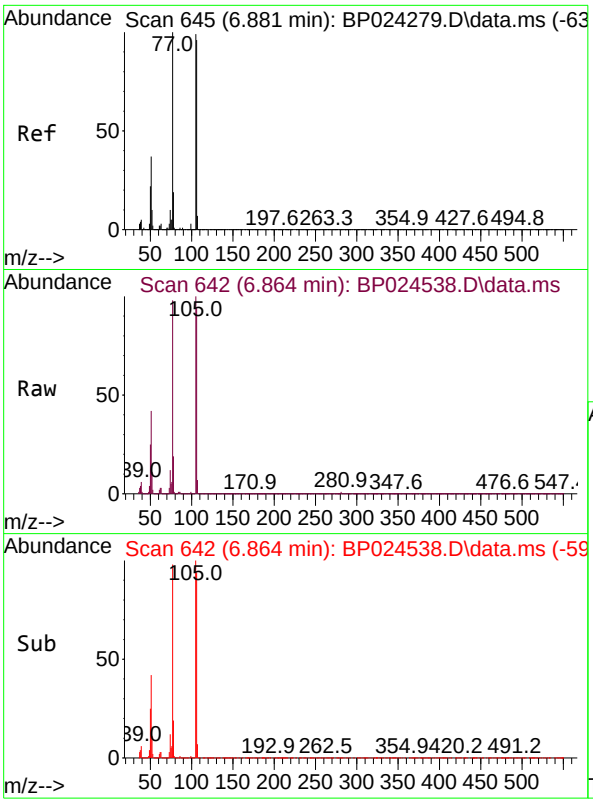


#8
2-Chlorophenol
Concen: 38.372 ng
RT: 7.281 min Scan# 713
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:128 Resp: 374578

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.9	52.9
64	42.6	22.7	62.7

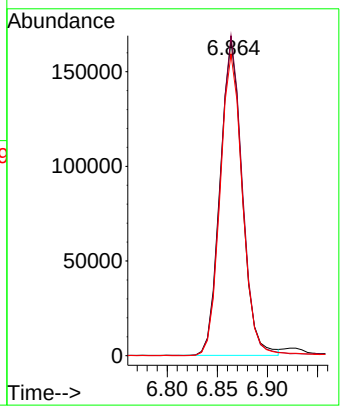




#9
Benzaldehyde
Concen: 43.117 ng
RT: 6.864 min Scan# 64
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion: 77 Resp: 25534

Ion	Ratio	Lower	Upper
77	100		
105	101.6	79.2	119.2
106	95.7	76.2	116.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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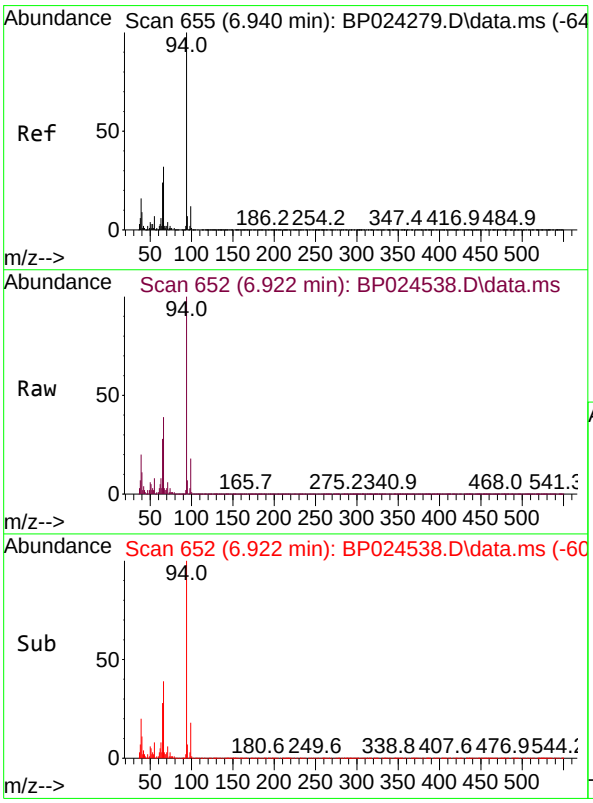
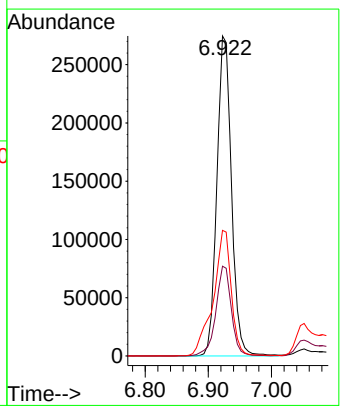
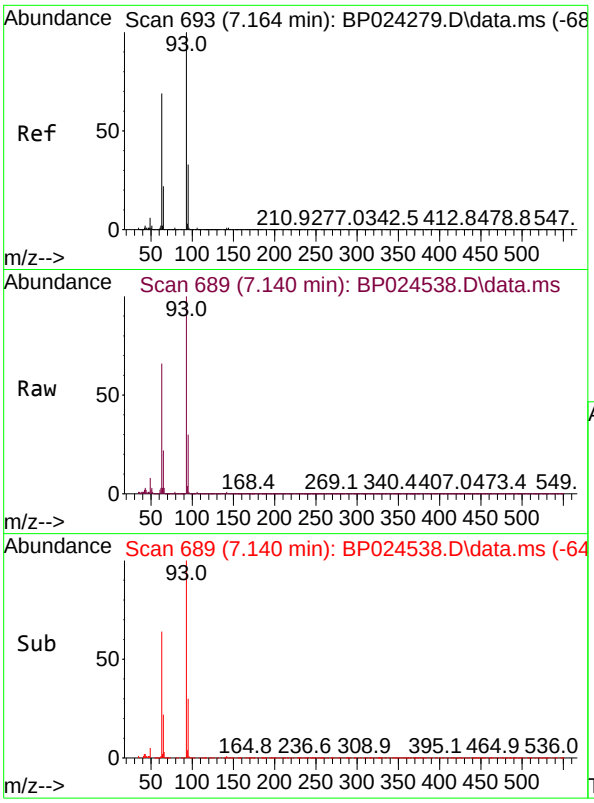


#10
Phenol
Concen: 36.640 ng
RT: 6.922 min Scan# 652
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion: 94 Resp: 440038

Ion	Ratio	Lower	Upper
94	100		
65	28.1	4.5	44.5
66	39.3	12.4	52.4

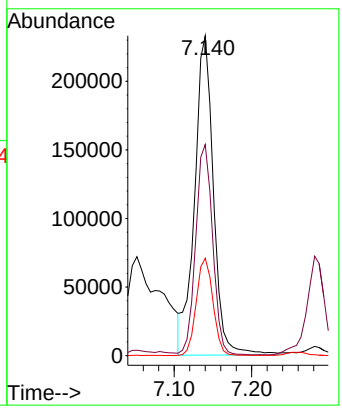




#11
bis(2-Chloroethyl)ether
Concen: 40.770 ng
RT: 7.140 min Scan# 6
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion: 93 Resp: 39451

Ion	Ratio	Lower	Upper
93	100		
63	66.0	48.6	88.6
95	30.5	12.3	52.3



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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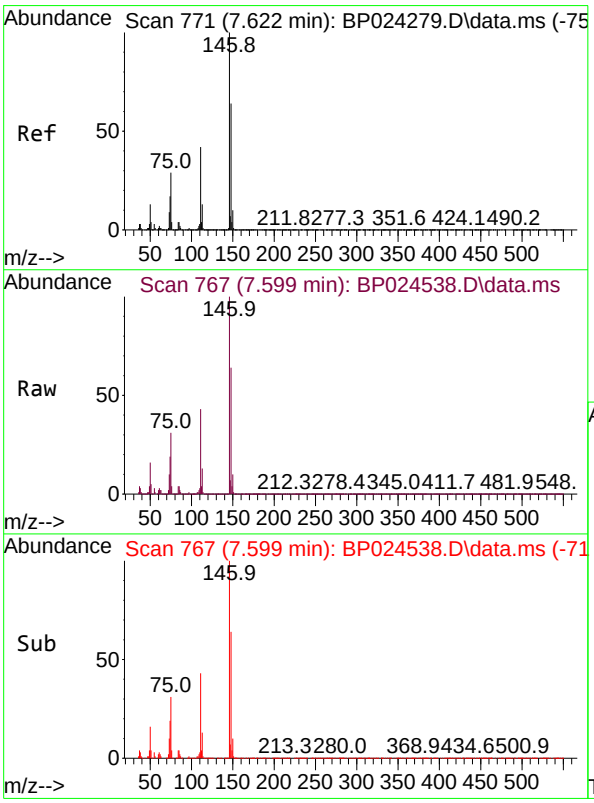
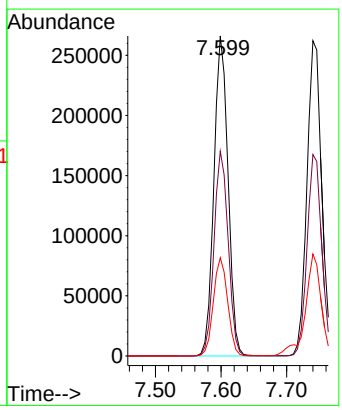
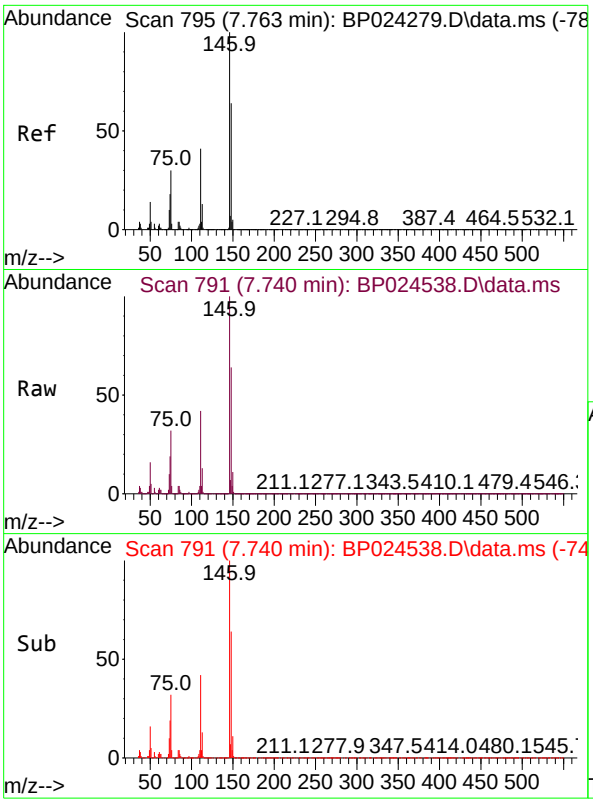


#12
1,3-Dichlorobenzene
Concen: 37.788 ng
RT: 7.599 min Scan# 767
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:146 Resp: 397130

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.4	77.0
75	30.7	22.9	34.3

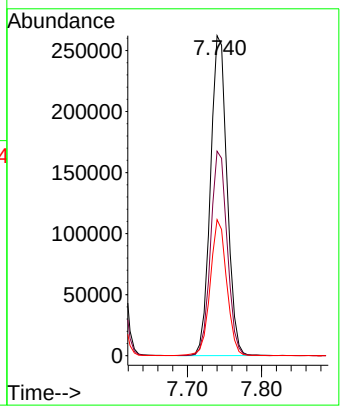




#13
1,4-Dichlorobenzene
Concen: 38.057 ng
RT: 7.740 min Scan# 7
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:146 Resp: 40580

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.1	76.7
111	42.5	32.6	48.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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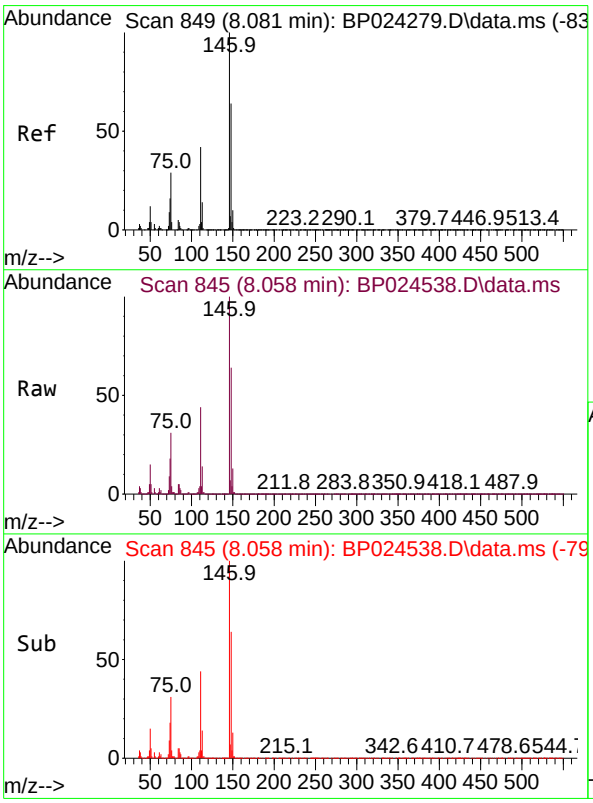
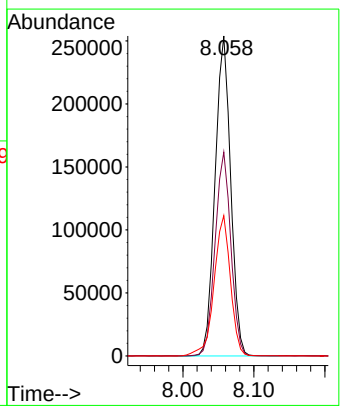
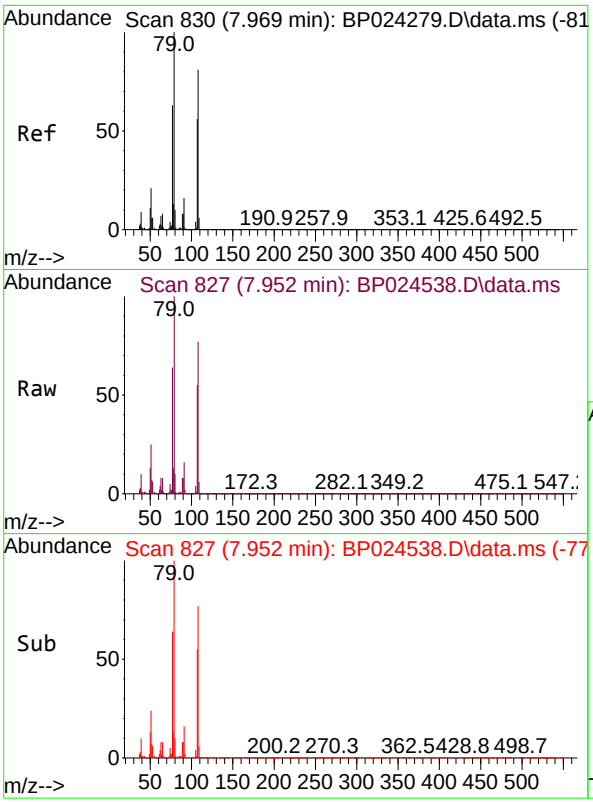


#14
1,2-Dichlorobenzene
Concen: 37.524 ng
RT: 8.058 min Scan# 845
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:146 Resp: 386362

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.4
111	43.8	33.8	50.8





#15
Benzyl Alcohol
Concen: 36.679 ng
RT: 7.952 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion: 79 Resp: 28398

Ion	Ratio	Lower	Upper
79	100		
108	76.5	65.1	97.7
77	64.3	50.7	76.1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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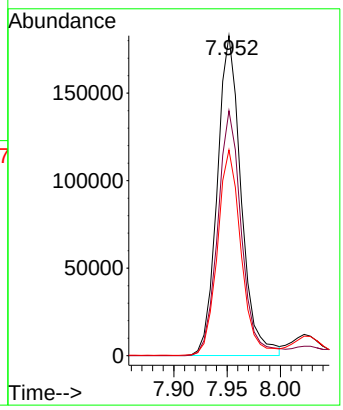
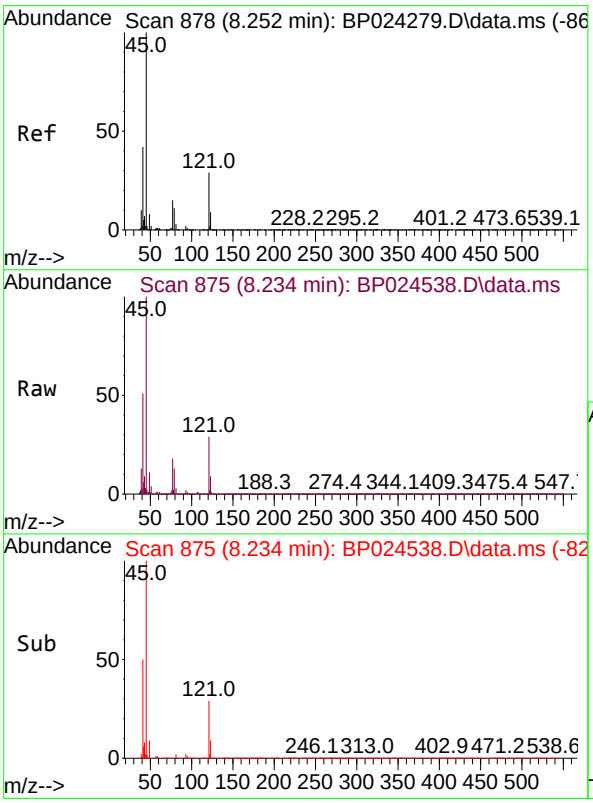
Supervised By :Jagrut Upadhyay 05/06/2025

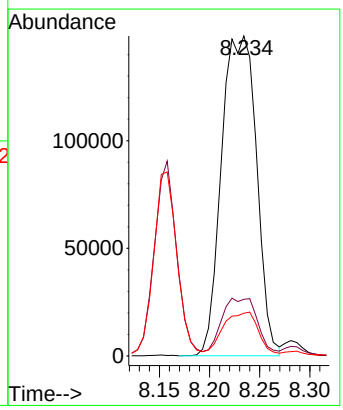


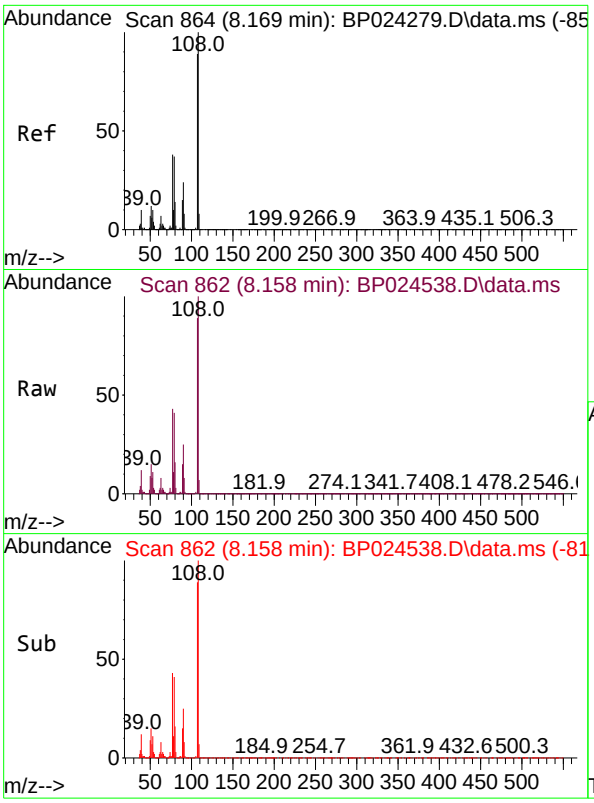


#16
2,2'-oxybis(1-Chloropropane)
Concen: 34.488 ng
RT: 8.234 min Scan# 875
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion: 45 Resp: 360721

Ion	Ratio	Lower	Upper
45	100		
77	17.7	0.0	37.7
79	13.4	0.0	33.5

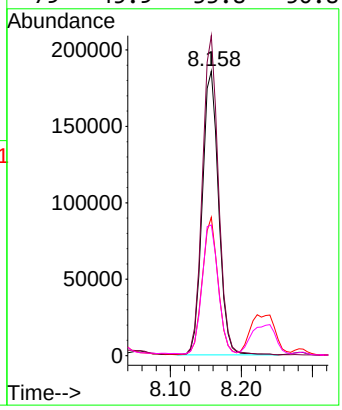




#17
2-Methylphenol
Concen: 38.015 ng
RT: 8.158 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:107 Resp: 29534

Ion	Ratio	Lower	Upper
107	100		
108	112.5	89.8	134.6
77	48.6	34.2	51.4
79	45.9	33.8	50.8



Instrument :
BNA_P
ClientSampleId :
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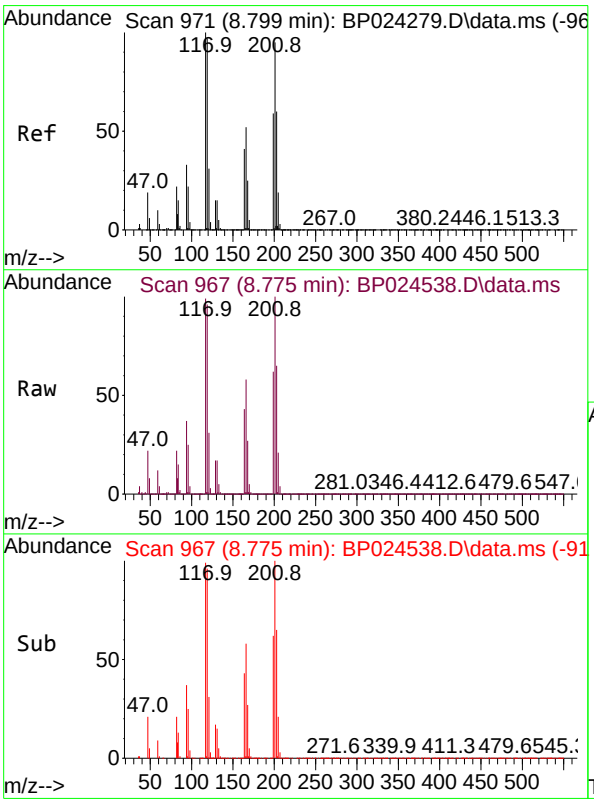
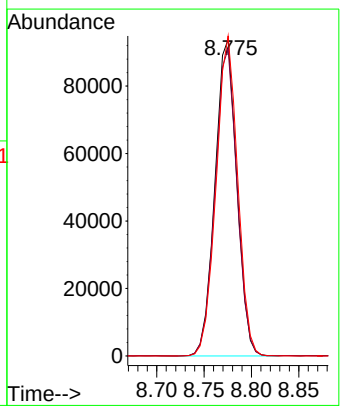
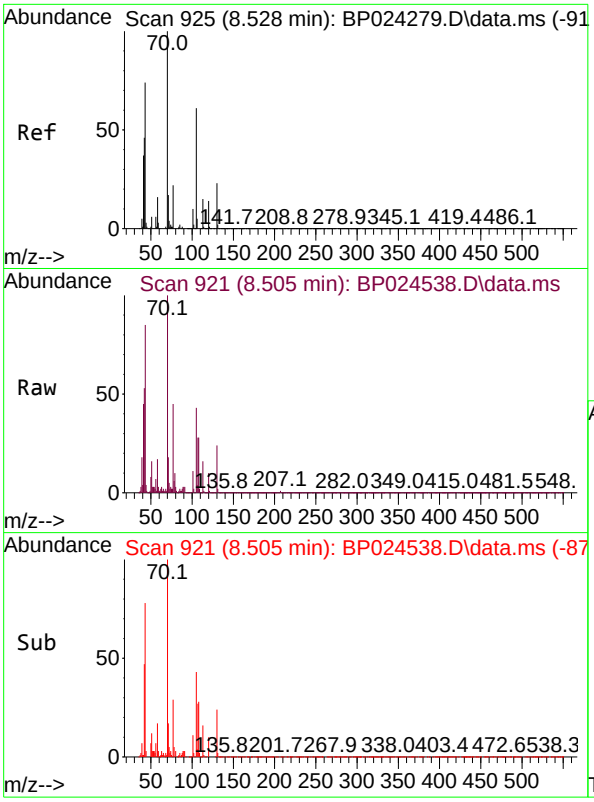


#18
Hexachloroethane
Concen: 39.049 ng
RT: 8.775 min Scan# 967
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:117 Resp: 150477

Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.8	116.6
201	101.0	75.9	113.9

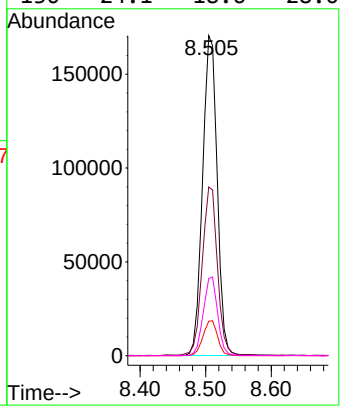




#19
n-Nitroso-di-n-propylamine
Concen: 35.803 ng
RT: 8.505 min Scan# 9
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion: 70 Resp: 26518

Ion	Ratio	Lower	Upper
70	100		
42	52.7	37.3	55.9
101	10.8	8.2	12.4
130	24.1	18.6	28.0



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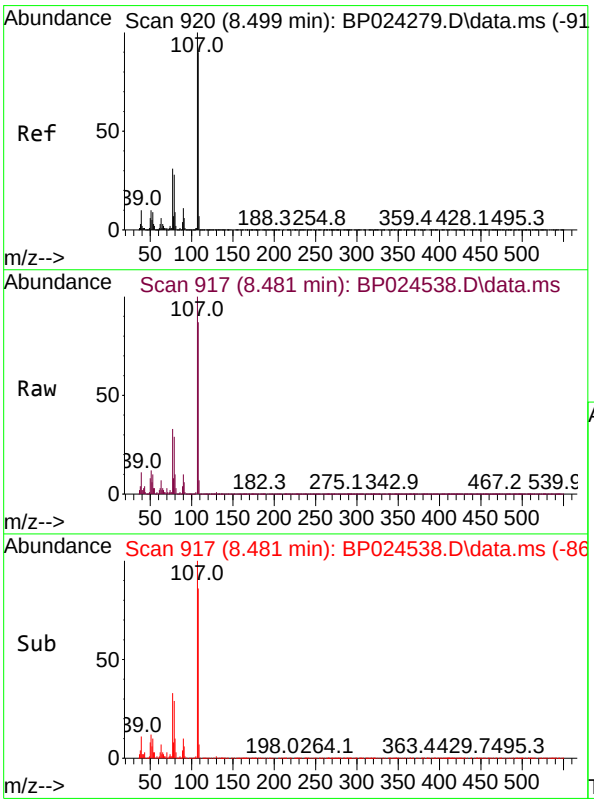
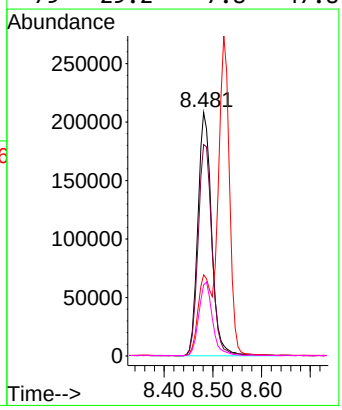
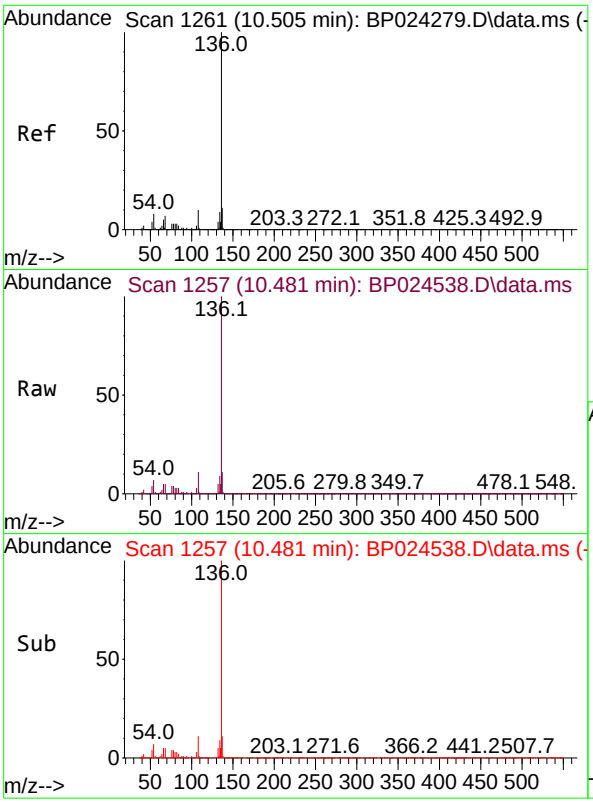


#20
3+4-Methylphenols
Concen: 37.844 ng
RT: 8.481 min Scan# 917
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:107 Resp: 407964

Ion	Ratio	Lower	Upper
107	100		
108	86.8	69.8	109.8
77	33.3	11.5	51.5
79	29.2	7.8	47.8

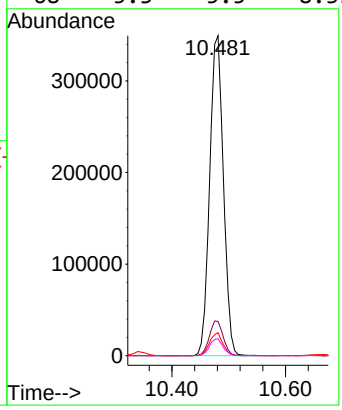




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.481 min Scan# 1
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:136 Resp: 58334

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	7.2	6.0	9.0
68	5.3	5.5	8.3#



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ClientSampleId :
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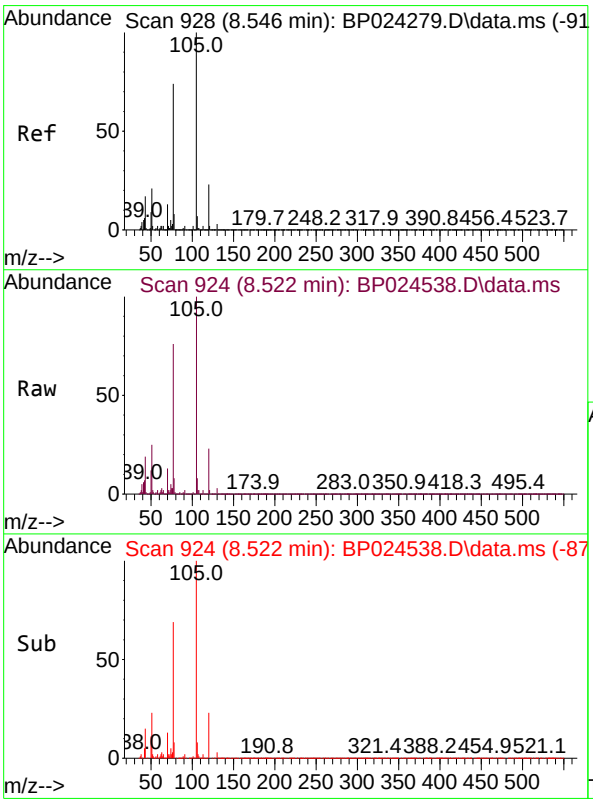
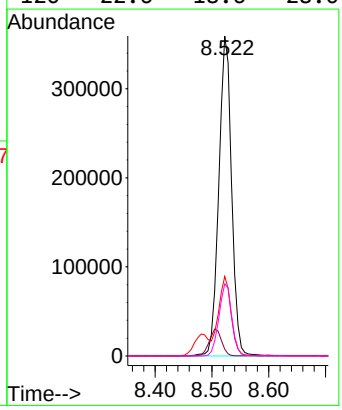
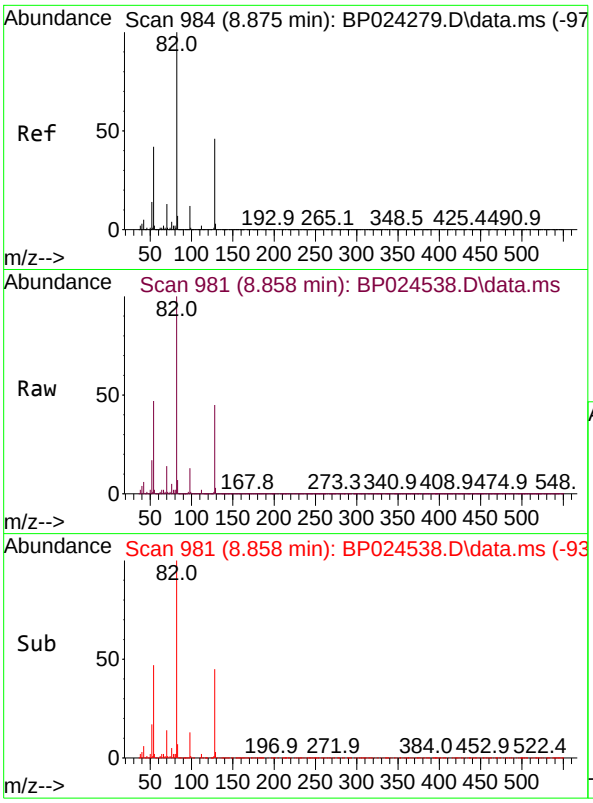


#22
Acetophenone
Concen: 38.995 ng
RT: 8.522 min Scan# 924
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:105 Resp: 563009

Ion	Ratio	Lower	Upper
105	100		
71	2.1	1.7	2.5
51	24.9	16.9	25.3
120	22.6	18.6	28.0

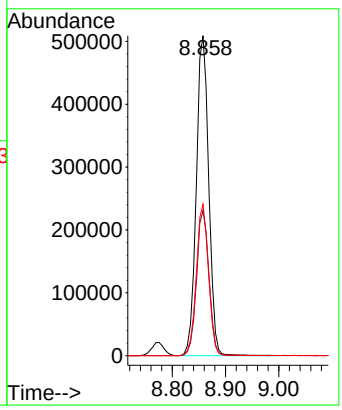




#23
Nitrobenzene-d5
Concen: 80.455 ng
RT: 8.858 min Scan# 9
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion: 82 Resp: 82308

Ion	Ratio	Lower	Upper
82	100		
128	45.3	36.5	54.7
54	47.3	33.4	50.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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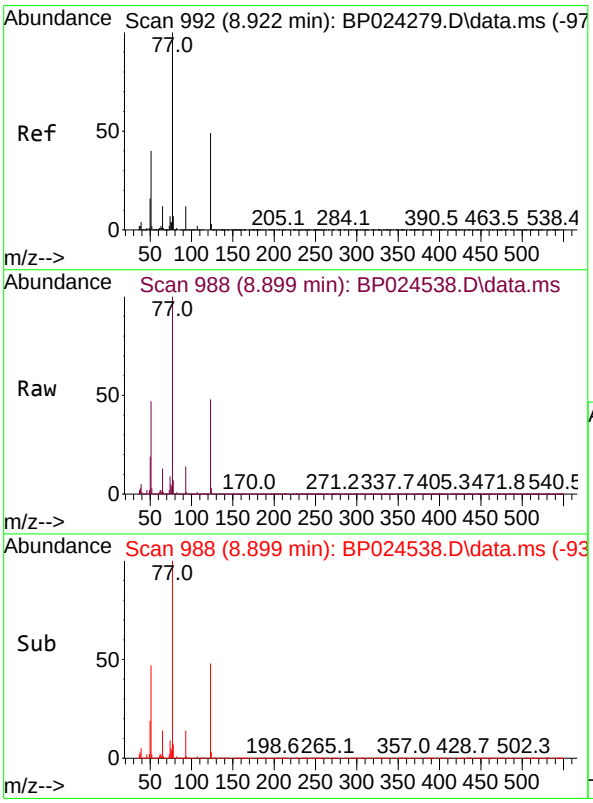
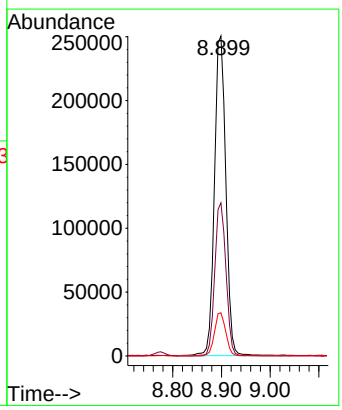
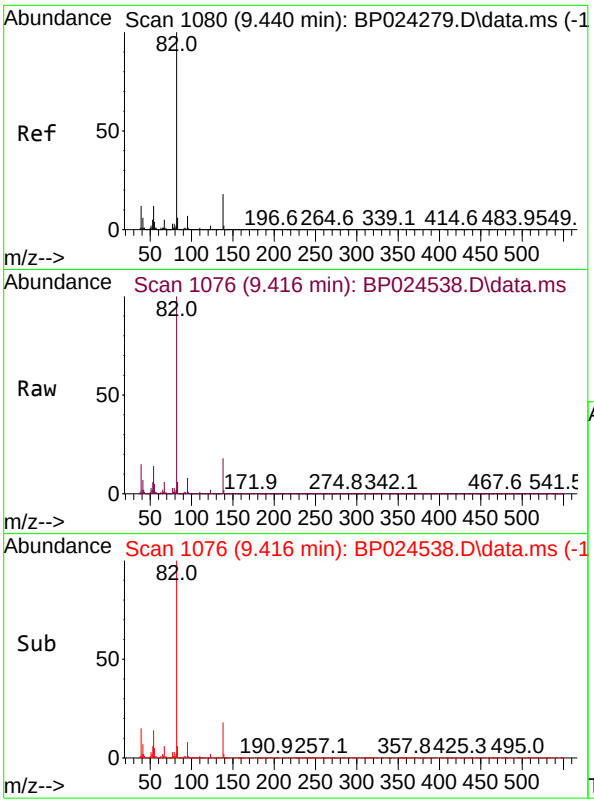


#24
Nitrobenzene
Concen: 39.960 ng
RT: 8.899 min Scan# 988
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion: 77 Resp: 404406

Ion	Ratio	Lower	Upper
77	100		
123	47.9	39.2	58.8
65	13.5	9.8	14.6

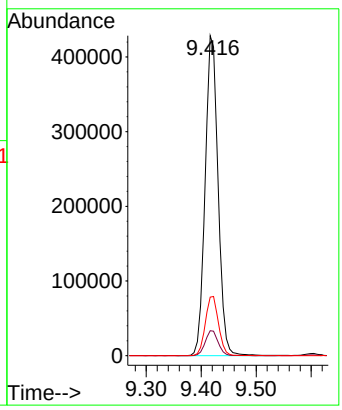




#25
Isophorone
Concen: 37.670 ng
RT: 9.416 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion: 82 Resp: 69755

Ion	Ratio	Lower	Upper
82	100		
95	7.8	5.4	8.2
138	18.3	14.4	21.6



Instrument :
BNA_P
ClientSampleId :
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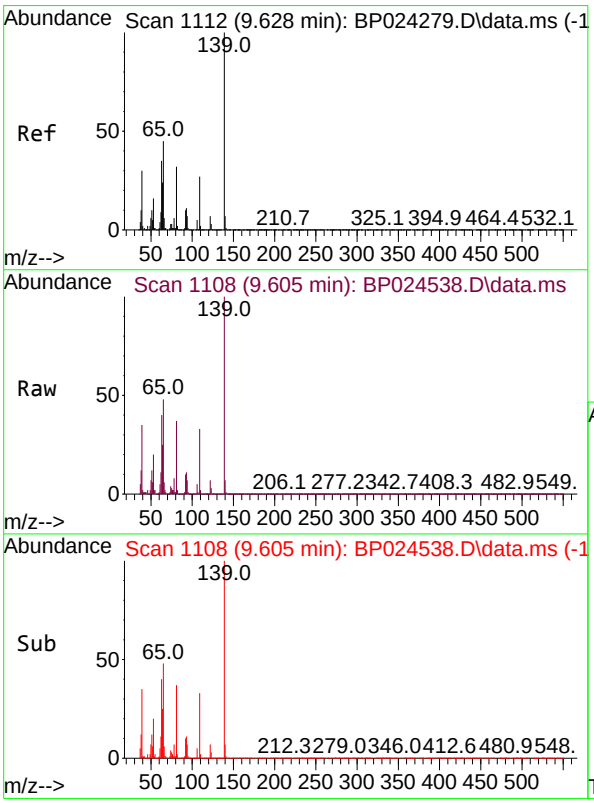
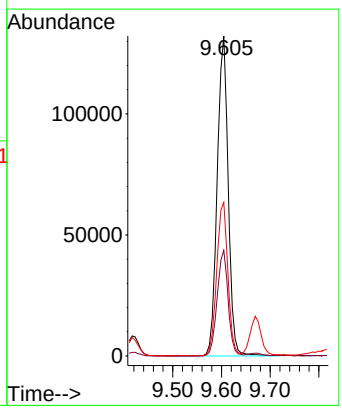
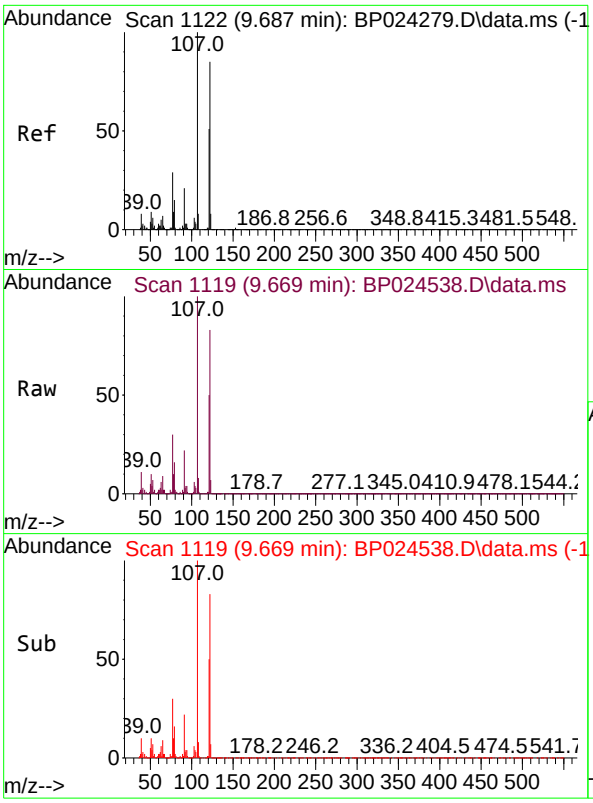


#26
2-Nitrophenol
Concen: 41.958 ng
RT: 9.605 min Scan# 1108
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:139 Resp: 207805

Ion	Ratio	Lower	Upper
139	100		
109	33.0	21.8	32.6#
65	48.0	36.2	54.2

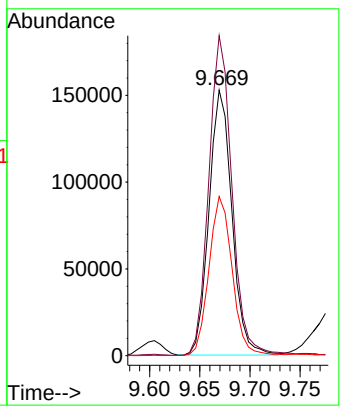




#27
2,4-Dimethylphenol
Concen: 39.175 ng
RT: 9.669 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:122 Resp: 24361

Ion	Ratio	Lower	Upper
122	100		
107	120.5	93.7	140.5
121	60.0	48.2	72.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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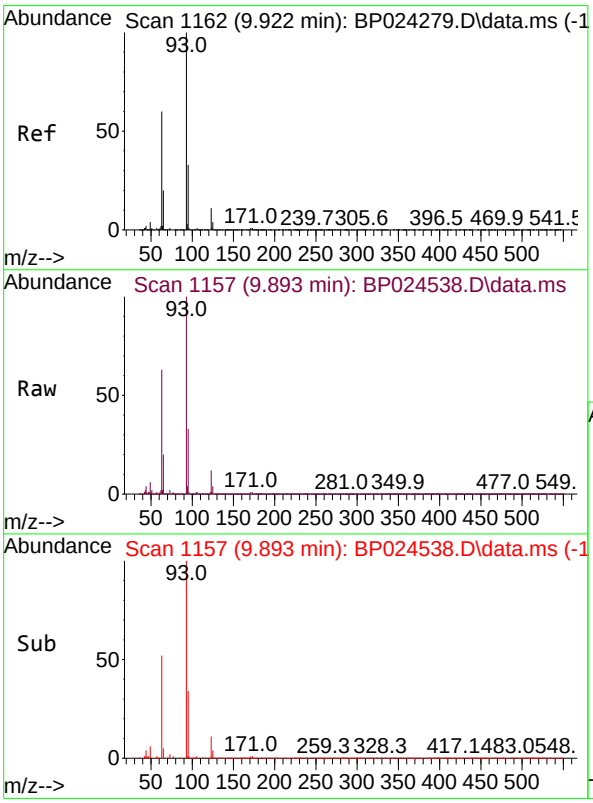
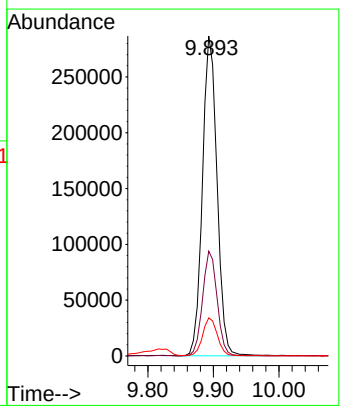
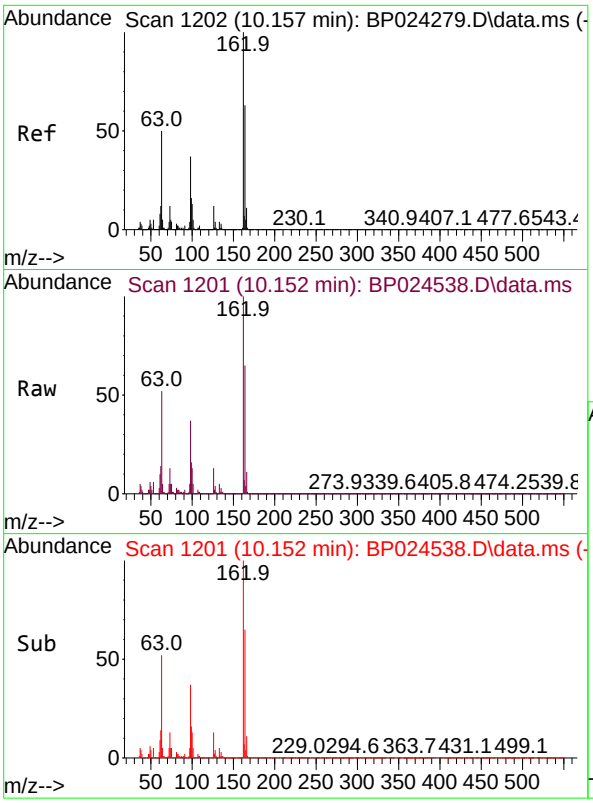


#28
bis(2-Chloroethoxy)methane
Concen: 35.548 ng
RT: 9.893 min Scan# 1157
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion: 93 Resp: 444676

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.0	39.0
123	11.9	9.1	13.7

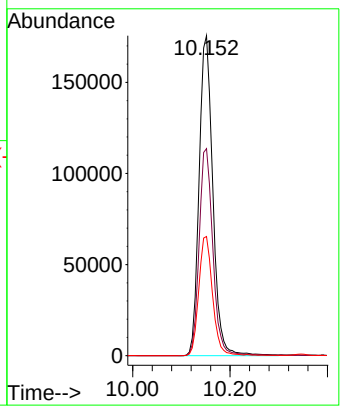




#29
2,4-Dichlorophenol
Concen: 40.639 ng
RT: 10.152 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:162 Resp: 34458

Ion	Ratio	Lower	Upper
162	100		
164	64.7	43.3	83.3
98	37.2	16.6	56.6



Instrument :
BNA_P
ClientSampleId :
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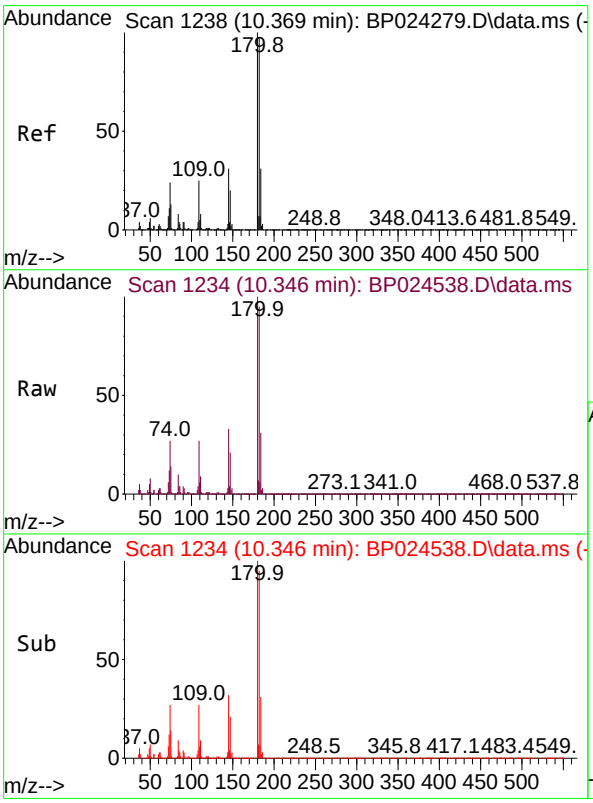
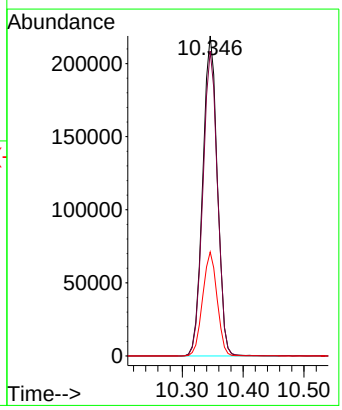
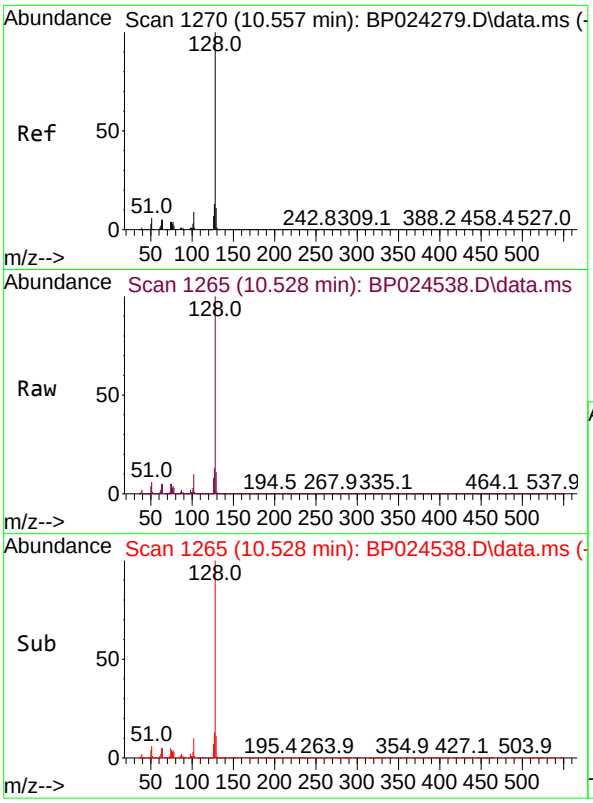


#30
1,2,4-Trichlorobenzene
Concen: 40.122 ng
RT: 10.346 min Scan# 1234
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:180 Resp: 364501

Ion	Ratio	Lower	Upper
180	100		
182	95.3	77.3	115.9
145	32.5	25.1	37.7

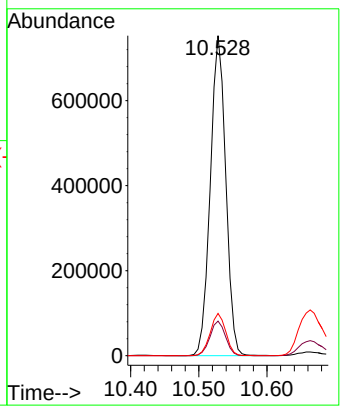




#31
Naphthalene
Concen: 38.650 ng
RT: 10.528 min Scan# 1
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:128 Resp: 118766

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	13.2	10.3	15.5



Instrument :
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ClientSampleId :
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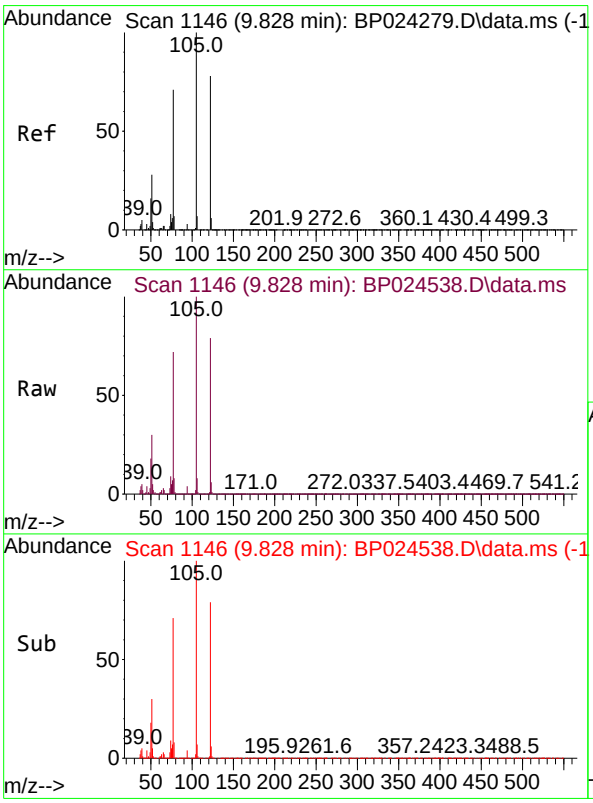
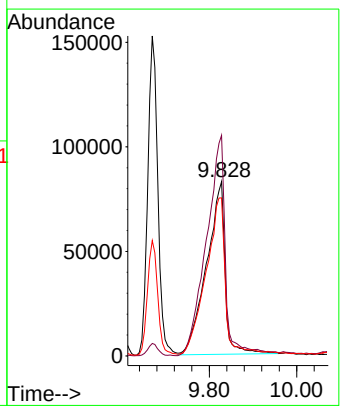
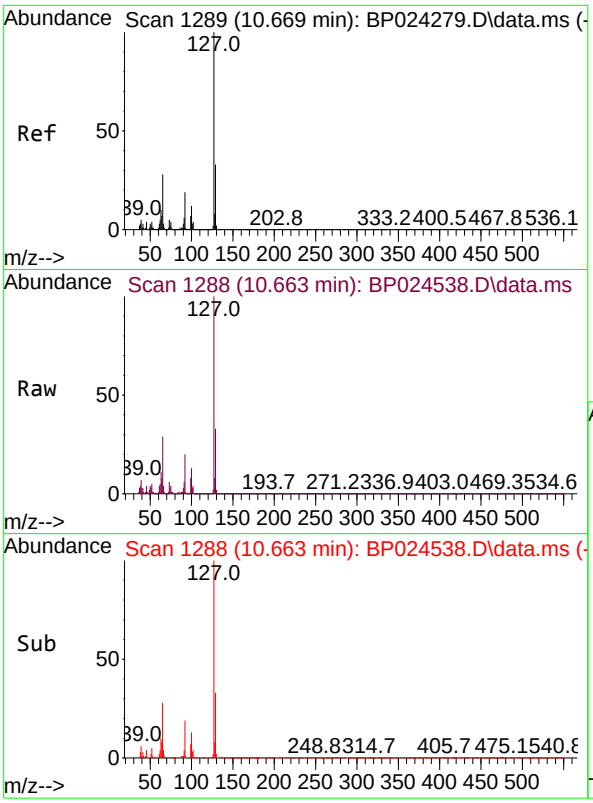


#32
Benzoic acid
Concen: 33.686 ng
RT: 9.828 min Scan# 1146
Delta R.T. 0.006 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:122 Resp: 244090

Ion	Ratio	Lower	Upper
122	100		
105	126.6	104.8	144.8
77	90.7	69.2	109.2

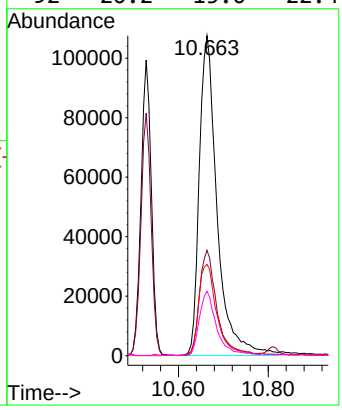




#33
4-Chloroaniline
Concen: 27.396 ng
RT: 10.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:127 Resp: 29646

Ion	Ratio	Lower	Upper
127	100		
129	32.9	26.1	39.1
65	28.5	22.1	33.1
92	20.2	15.0	22.4



Instrument :
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ClientSampleId :
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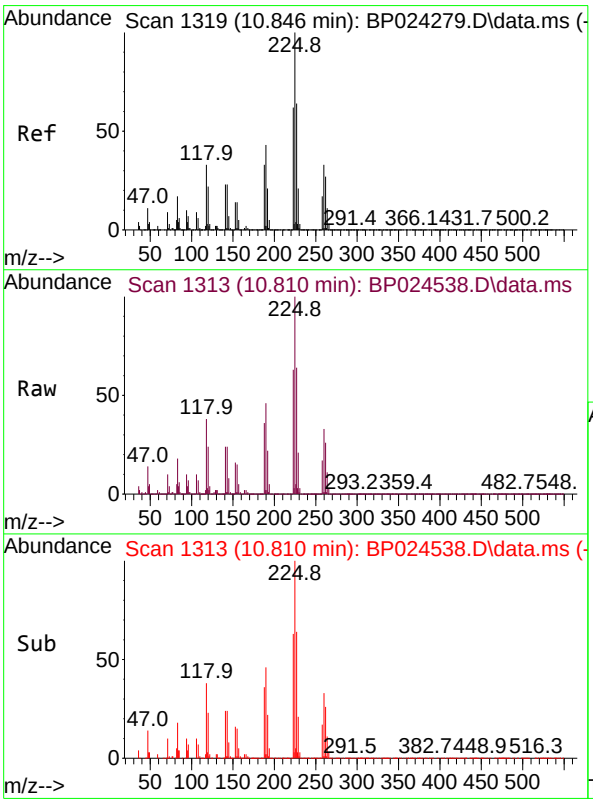
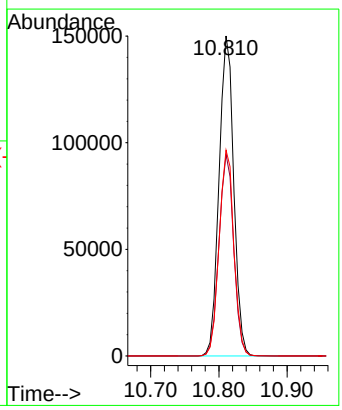
Supervised By :Jagrut Upadhyay 05/06/2025

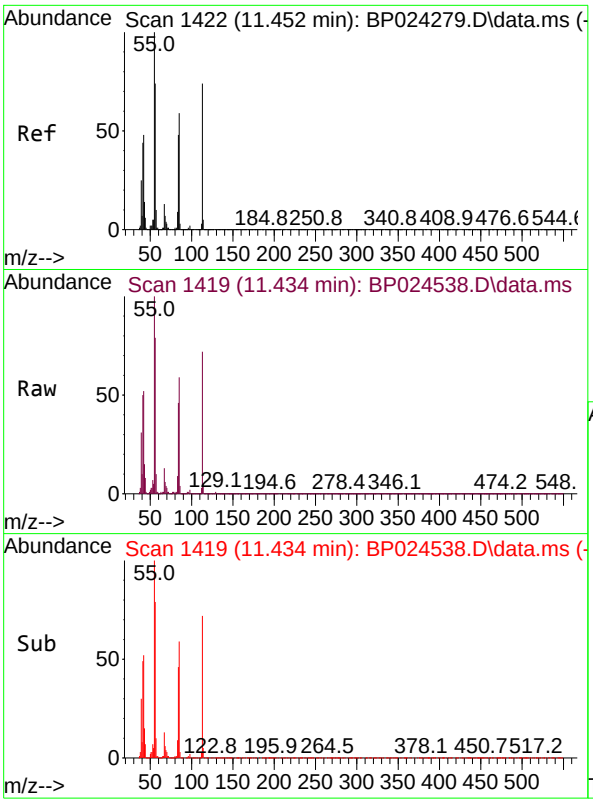


#34
Hexachlorobutadiene
Concen: 42.129 ng
RT: 10.810 min Scan# 1313
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:225 Resp: 224906

Ion	Ratio	Lower	Upper
225	100		
223	63.0	49.5	74.3
227	64.3	50.9	76.3





#35
Caprolactam
Concen: 40.077 ng
RT: 11.434 min Scan# 14
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:113 Resp: 12538

Ion	Ratio	Lower	Upper
113	100		
55	138.7	115.9	155.9
56	109.6	81.1	121.1

Instrument :
BNA_P
ClientSampleId :
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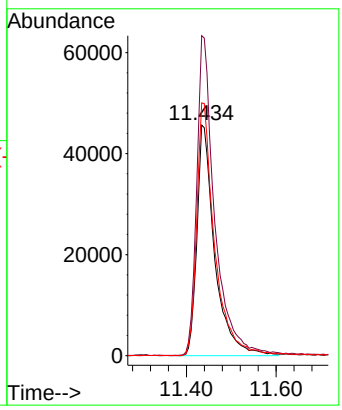
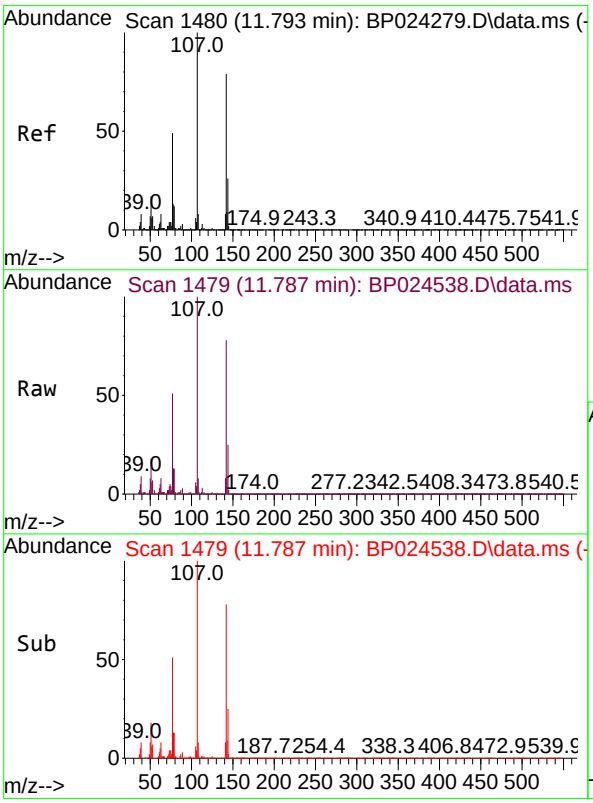
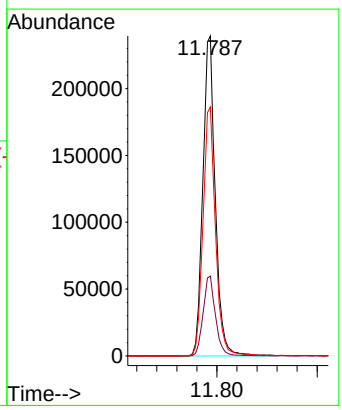


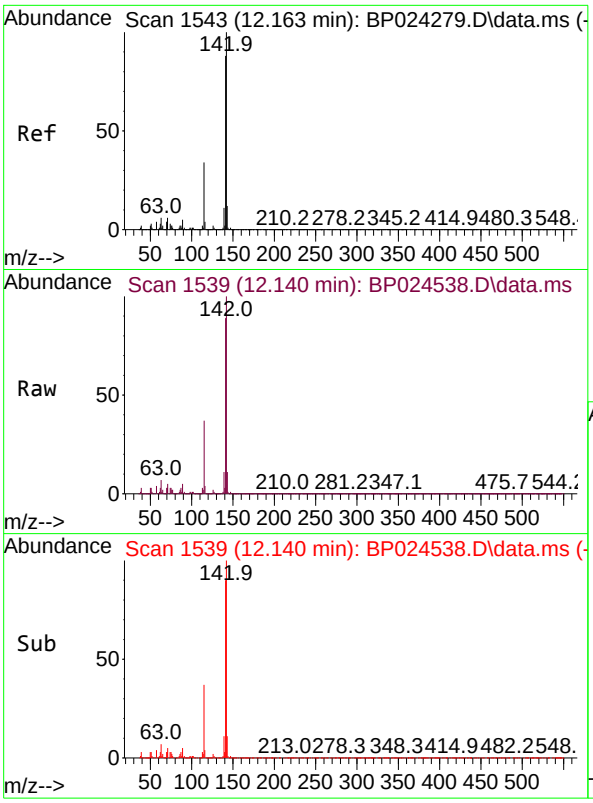


#36
4-Chloro-3-methylphenol
Concen: 41.633 ng
RT: 11.787 min Scan# 1479
Delta R.T. -0.006 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:107 Resp: 411177

Ion	Ratio	Lower	Upper
107	100		
144	25.0	20.5	30.7
142	77.8	63.4	95.2

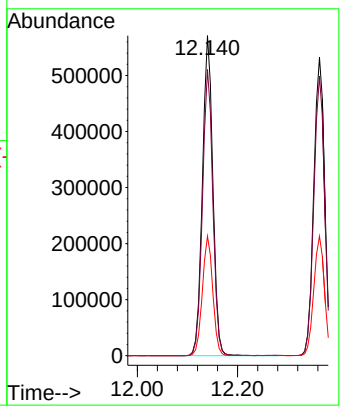




#37
2-Methylnaphthalene
Concen: 38.737 ng
RT: 12.140 min Scan# 1
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:142 Resp: 82552

Ion	Ratio	Lower	Upper
142	100		
141	89.4	70.3	105.5
115	37.3	26.9	40.3



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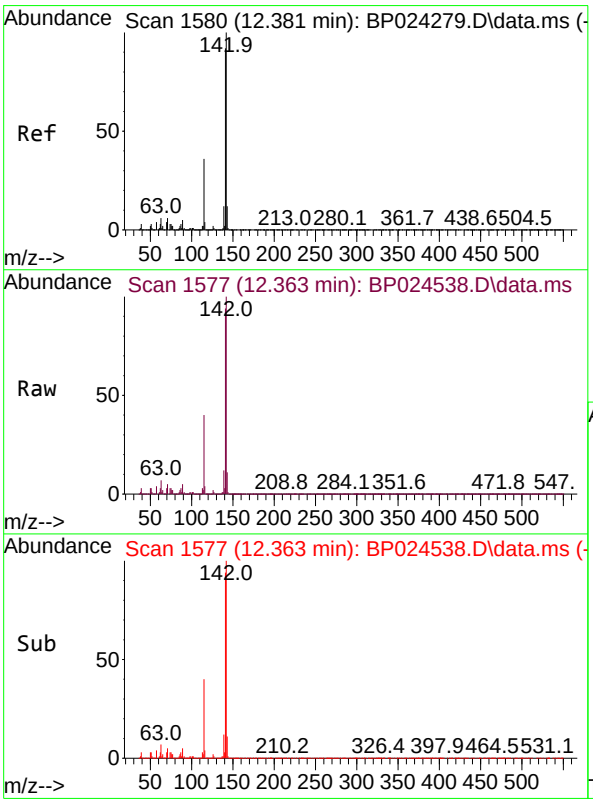
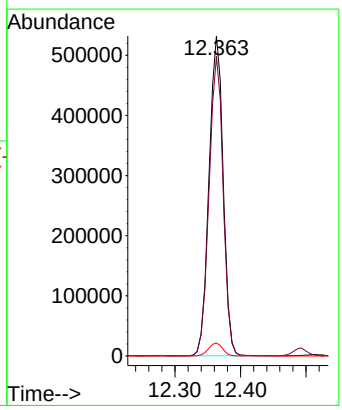
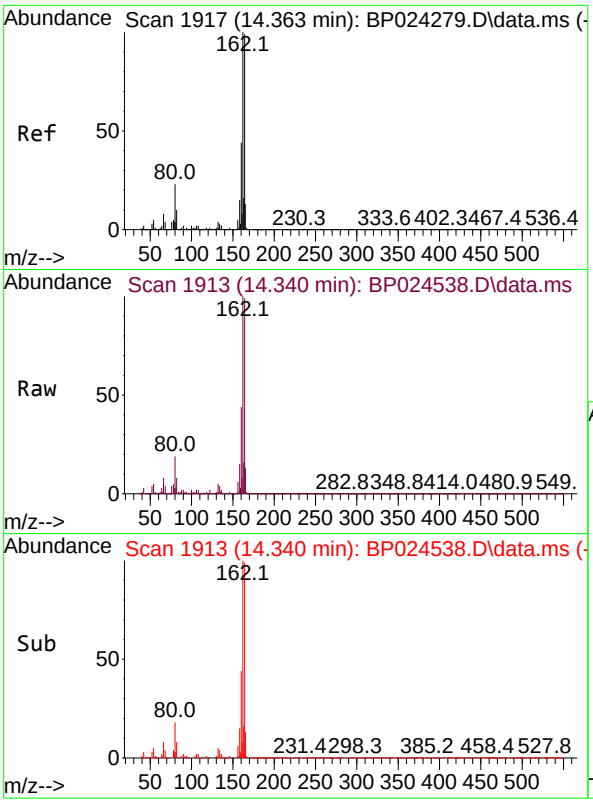


#38
1-Methylnaphthalene
Concen: 38.212 ng
RT: 12.363 min Scan# 1577
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:142 Resp: 796632

Ion	Ratio	Lower	Upper
142	100		
141	93.6	73.6	110.4
116	4.0	3.0	4.6

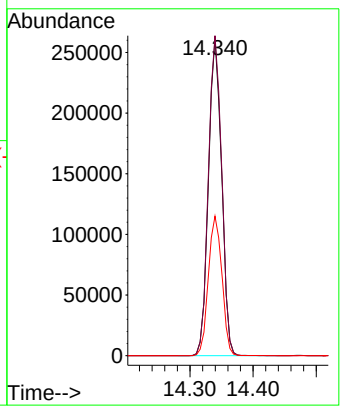




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.340 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:164 Resp: 37876

Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.6	120.8
160	44.0	35.3	52.9



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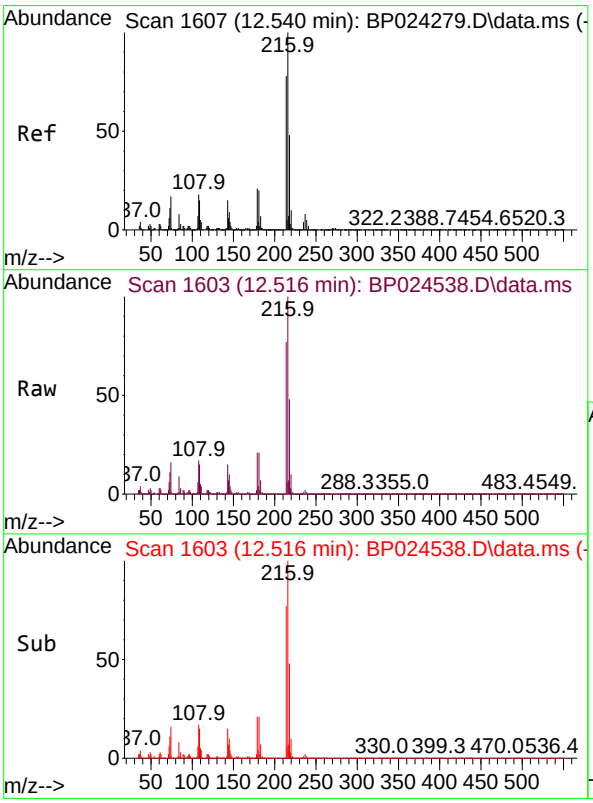
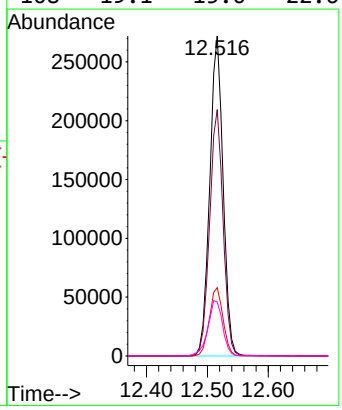
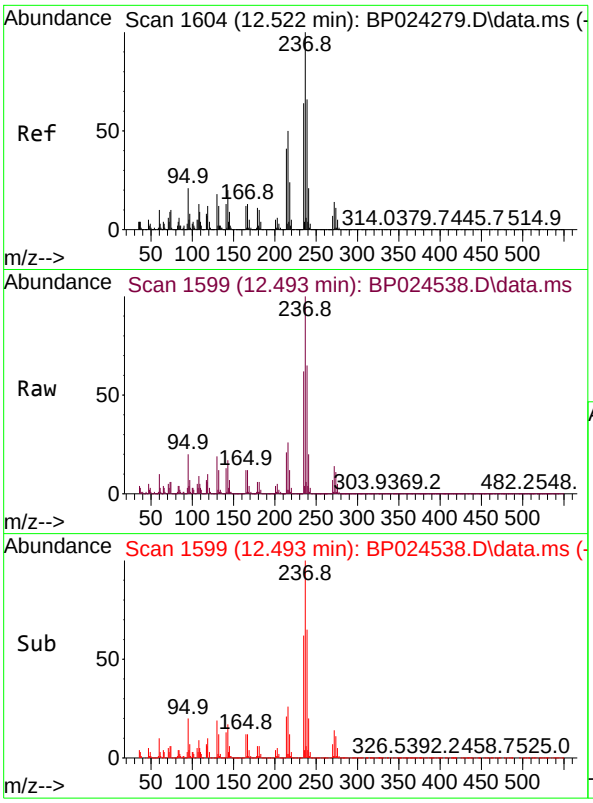


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.705 ng
RT: 12.516 min Scan# 1603
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:216 Resp: 413571

Ion	Ratio	Lower	Upper
216	100		
214	77.6	62.6	93.8
179	22.0	17.2	25.8
108	19.1	15.0	22.6

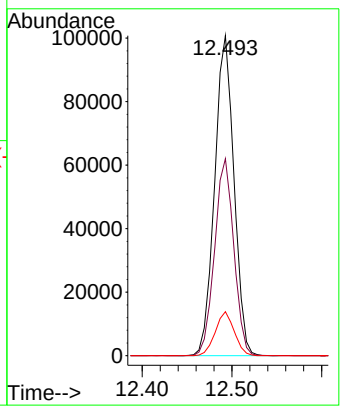




#41
Hexachlorocyclopentadiene
Concen: 40.904 ng
RT: 12.493 min Scan# 1
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:237 Resp: 15068

Ion	Ratio	Lower	Upper
237	100		
235	61.6	43.9	83.9
272	13.8	0.0	33.6



Instrument :
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ClientSampleId :
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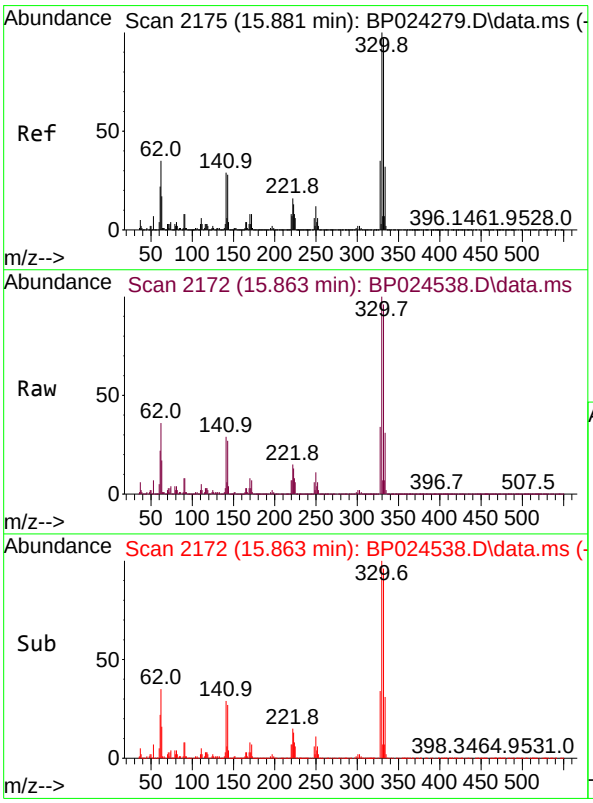
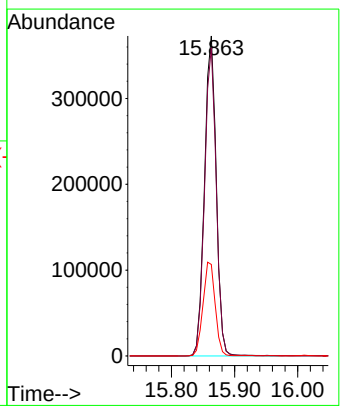
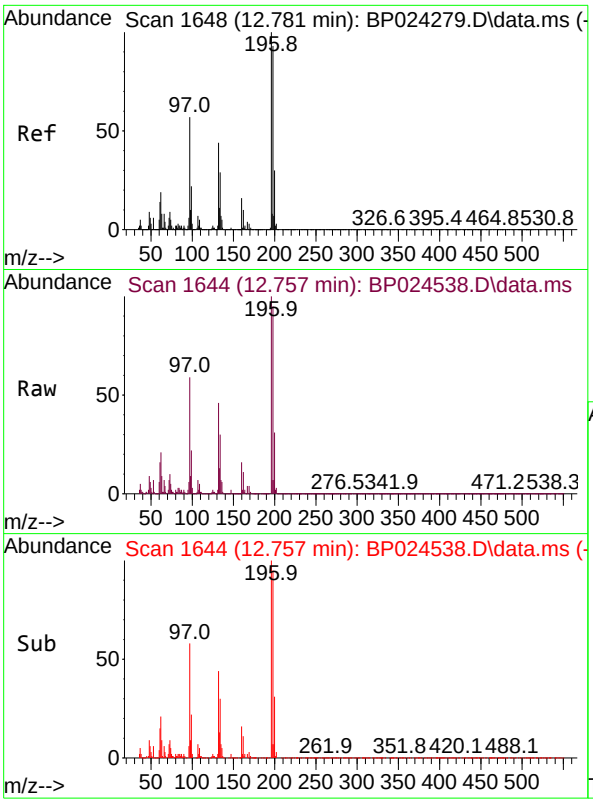


#42
2,4,6-Tribromophenol
Concen: 91.806 ng
RT: 15.863 min Scan# 2172
Delta R.T. 0.000 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:330 Resp: 481102

Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.1	115.7
141	30.6	24.7	37.1





#43
2,4,6-Trichlorophenol
Concen: 40.738 ng
RT: 12.757 min Scan# 1
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:196 Resp: 28212

Ion	Ratio	Lower	Upper
196	100		
198	94.6	74.3	111.5
200	30.6	24.0	36.0

Instrument :
BNA_P
ClientSampleId :
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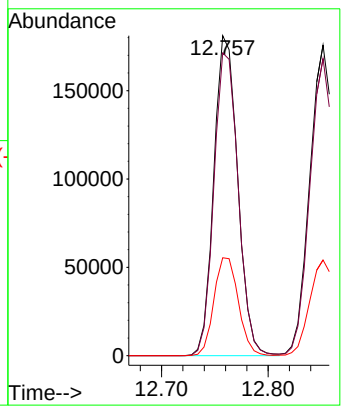
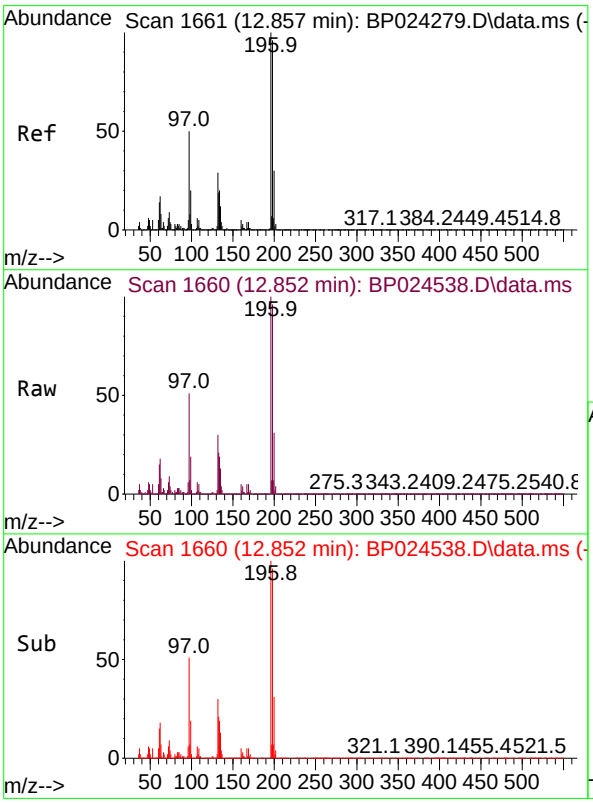
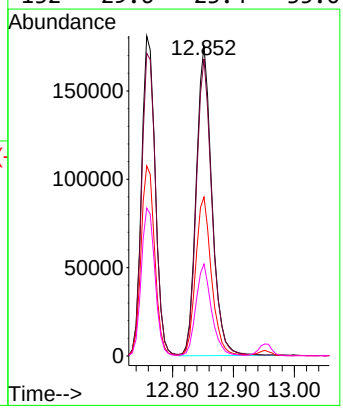


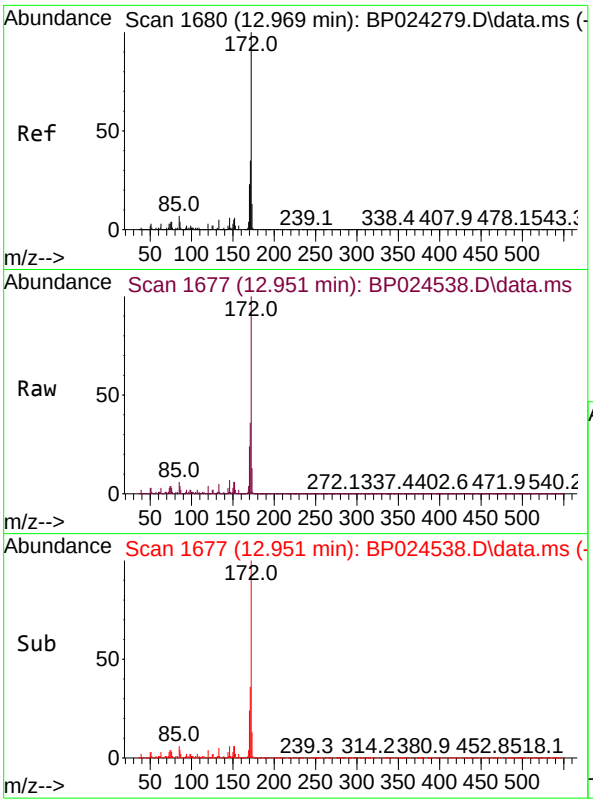


#44
2,4,5-Trichlorophenol
Concen: 41.016 ng
RT: 12.852 min Scan# 1660
Delta R.T. -0.006 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:196 Resp: 314542

Ion	Ratio	Lower	Upper
196	100		
198	95.7	77.3	115.9
97	51.2	40.4	60.6
132	29.6	23.4	35.0

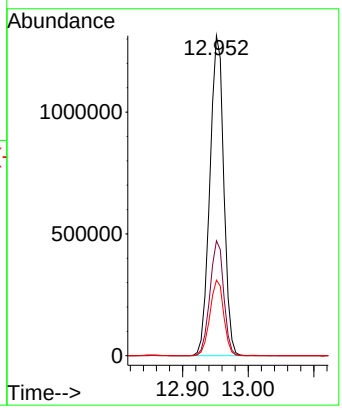




#45
2-Fluorobiphenyl
Concen: 78.174 ng
RT: 12.951 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:172 Resp: 193386

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.2	42.2
170	23.6	18.6	27.8



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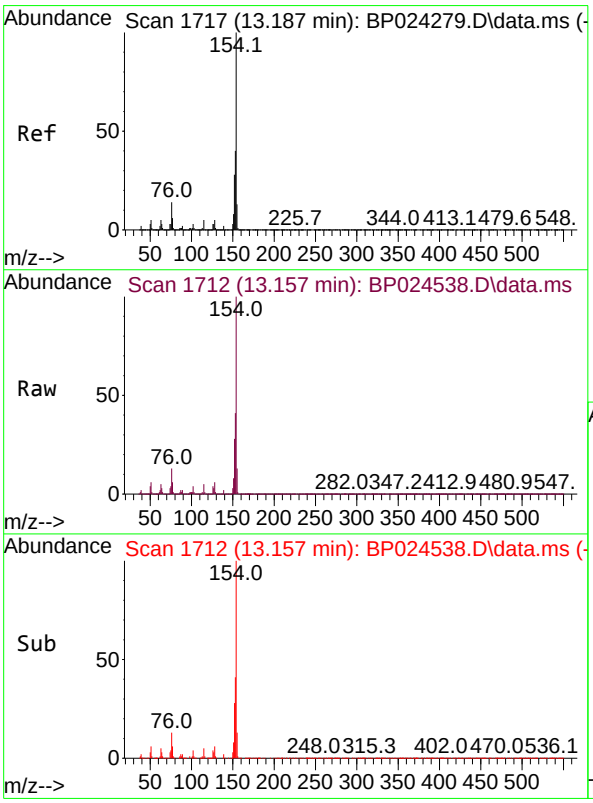
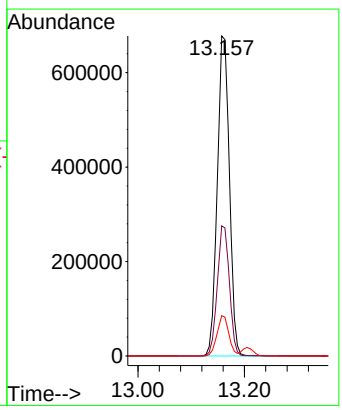
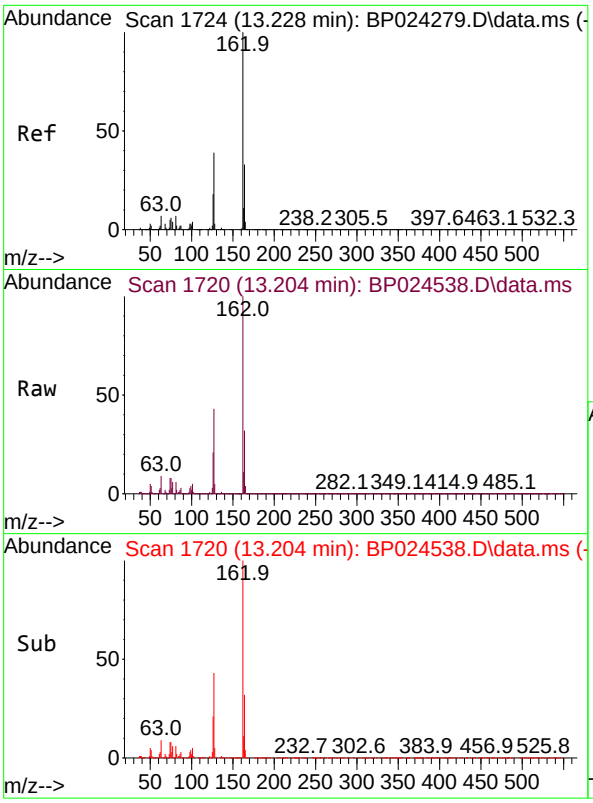


#46
1,1'-Biphenyl
Concen: 38.299 ng
RT: 13.157 min Scan# 1712
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:154 Resp: 1066305

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.3	60.3
76	12.6	0.0	33.5

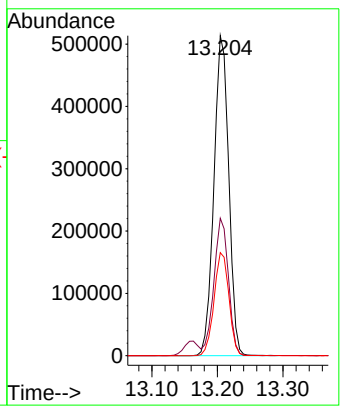




#47
2-Chloronaphthalene
Concen: 38.636 ng
RT: 13.204 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:162 Resp: 80394

Ion	Ratio	Lower	Upper
162	100		
127	43.0	31.9	47.9
164	32.2	26.2	39.4



Instrument :
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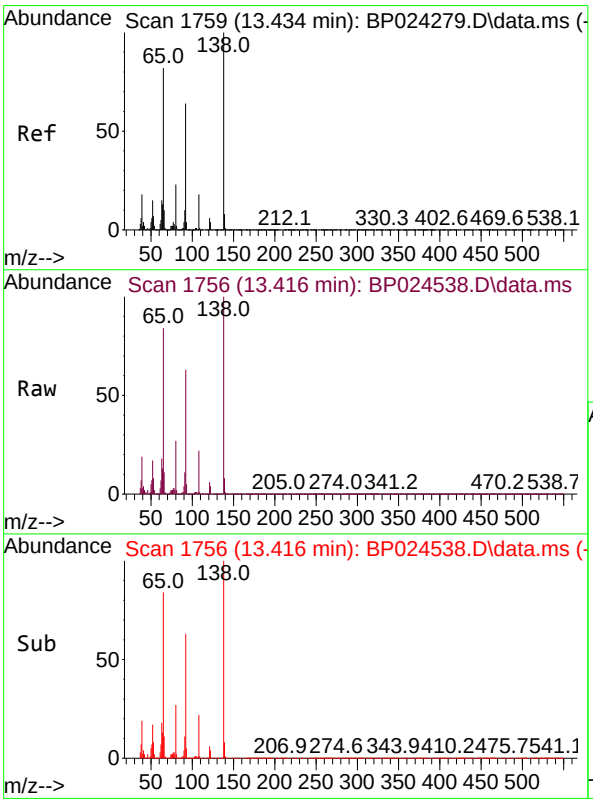
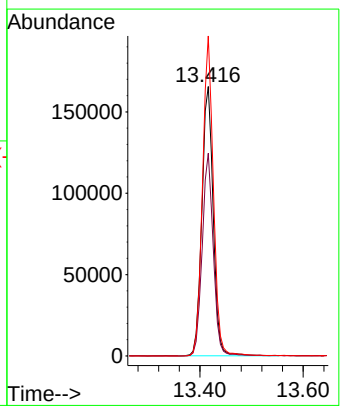
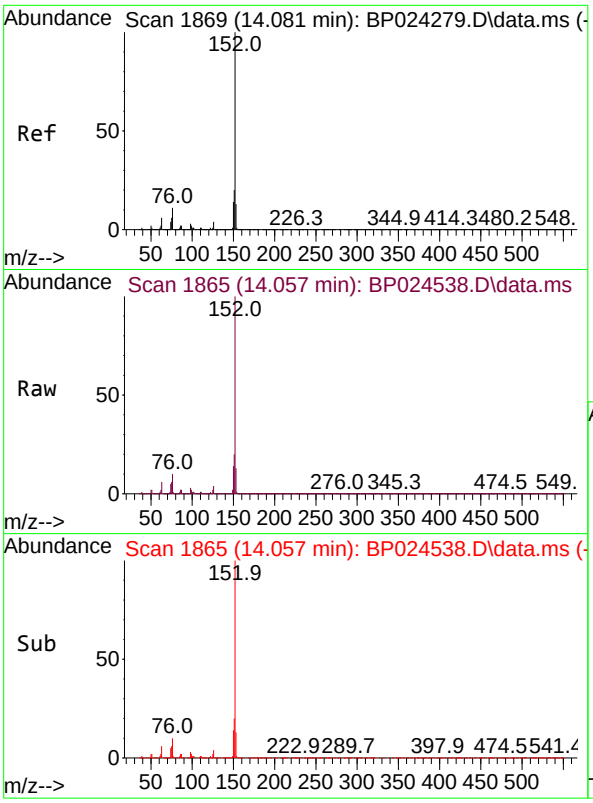


#48
2-Nitroaniline
Concen: 43.129 ng
RT: 13.416 min Scan# 1756
Delta R.T. -0.006 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion: 65 Resp: 251733

Ion	Ratio	Lower	Upper
65	100		
92	75.3	62.3	93.5
138	118.8	97.2	145.8

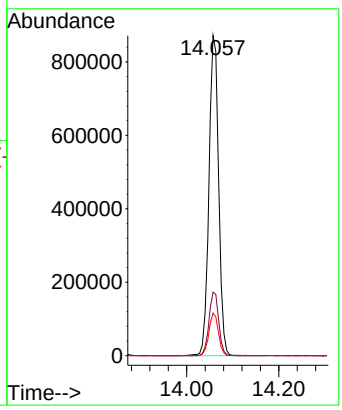




#49
Acenaphthylene
Concen: 38.900 ng
RT: 14.057 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:152 Resp: 127439

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.3	10.6	15.8



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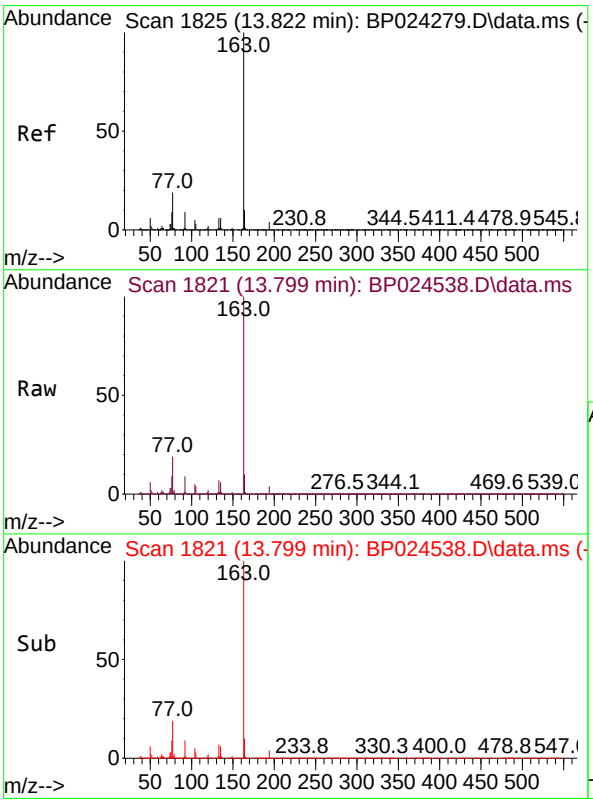
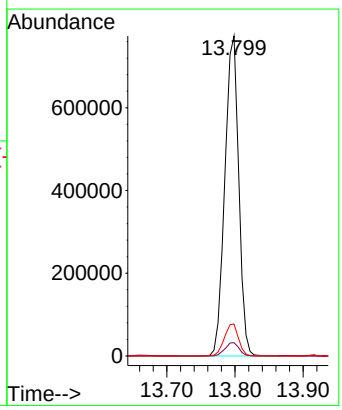
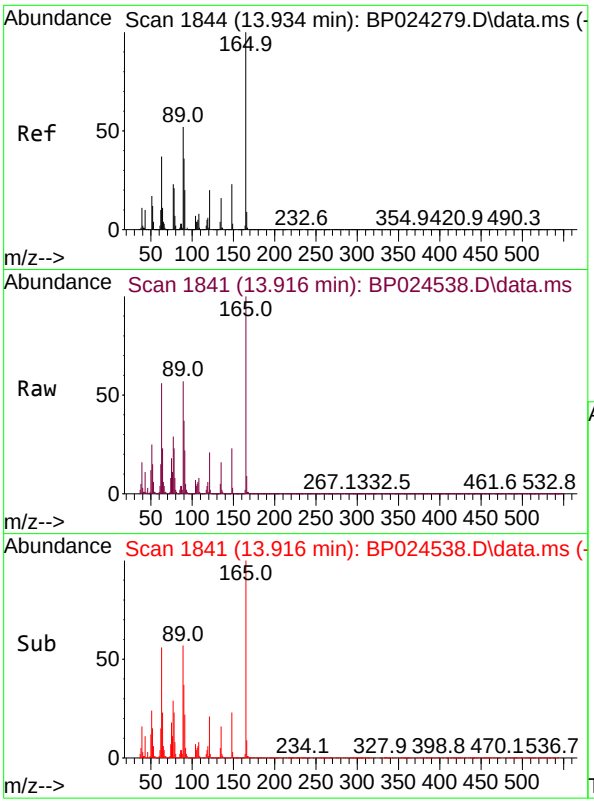


#50
Dimethylphthalate
Concen: 39.837 ng
RT: 13.799 min Scan# 1821
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:163 Resp: 1097300

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.5	5.3
164	10.0	8.0	12.0

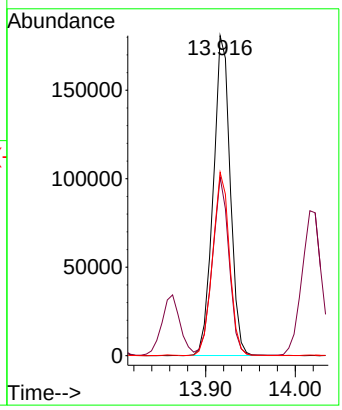




#51
2,6-Dinitrotoluene
Concen: 40.451 ng
RT: 13.916 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:165 Resp: 23659

Ion	Ratio	Lower	Upper
165	100		
63	55.8	38.0	57.0
89	57.3	41.7	62.5



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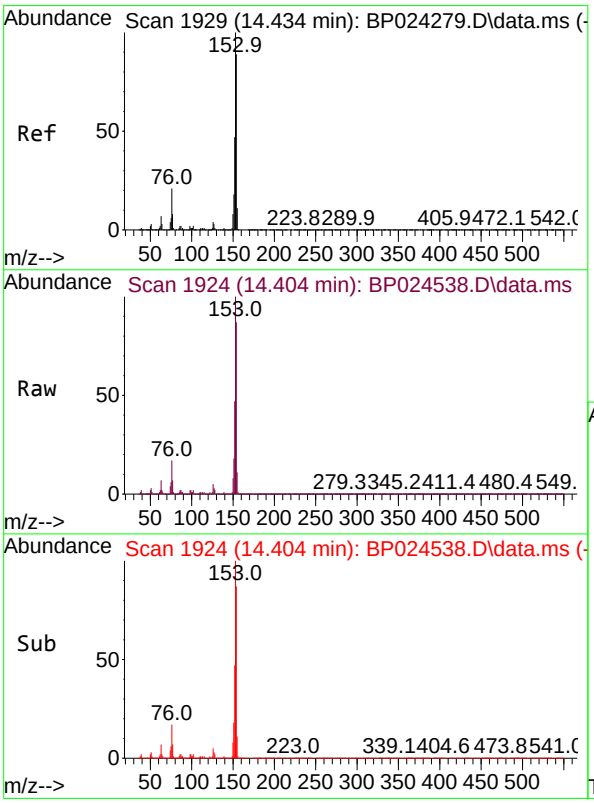
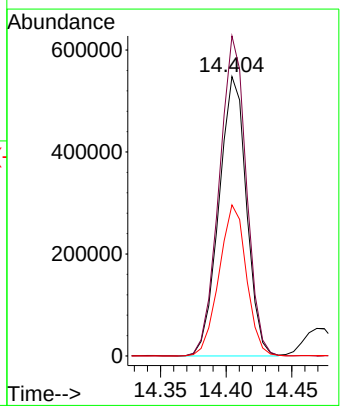
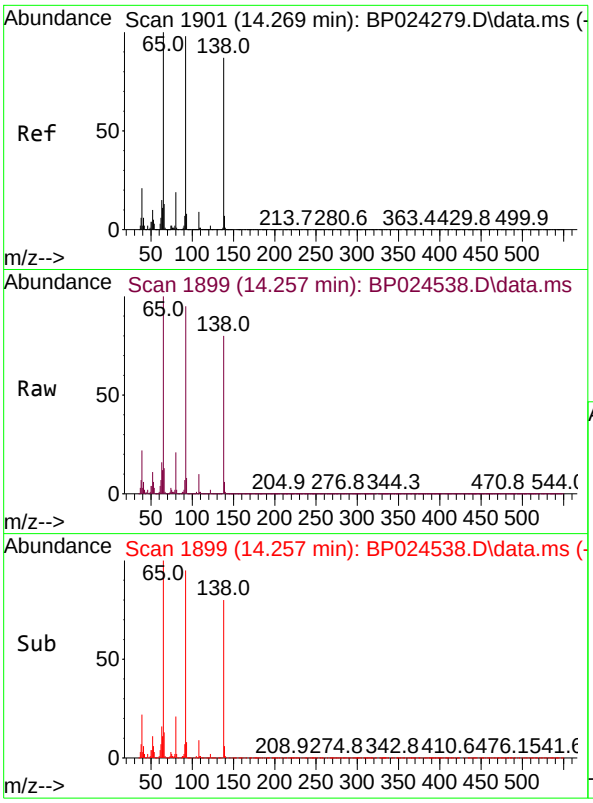


#52
Acenaphthene
Concen: 38.394 ng
RT: 14.404 min Scan# 1924
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:154 Resp: 797423

Ion	Ratio	Lower	Upper
154	100		
153	114.5	89.8	134.6
152	54.1	42.6	63.8





#53
3-Nitroaniline
Concen: 40.307 ng
RT: 14.257 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:138 Resp: 24778

Ion	Ratio	Lower	Upper
138	100		
108	11.9	8.3	12.5
92	118.6	89.8	134.8

Instrument :
BNA_P
ClientSampleId :
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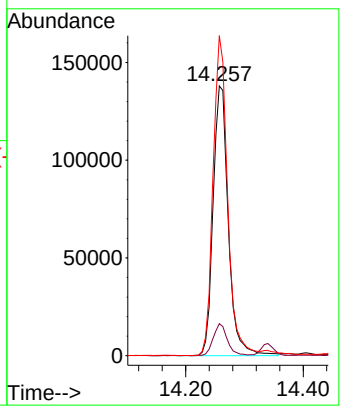
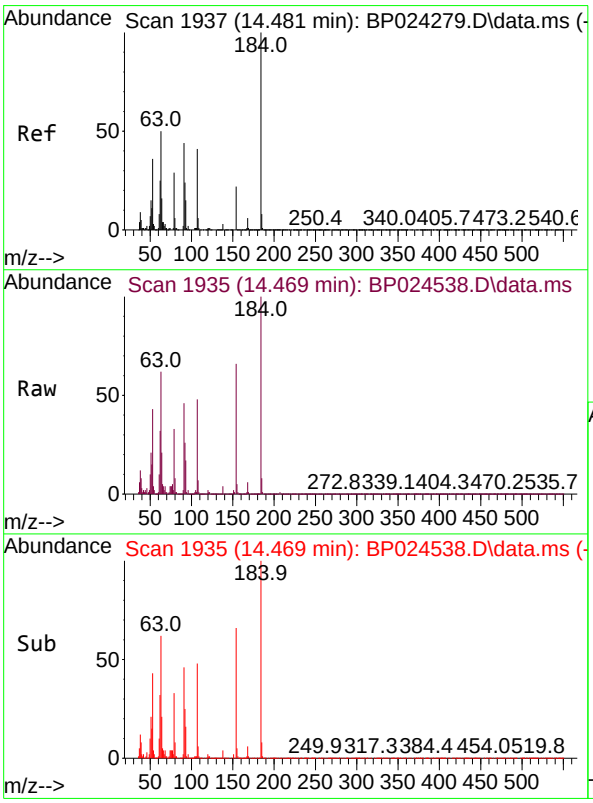
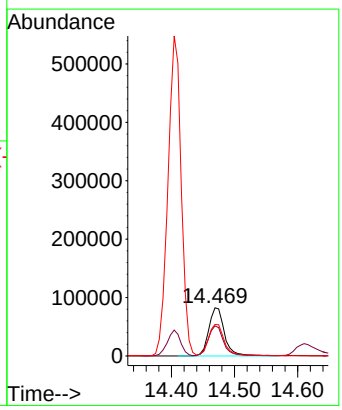


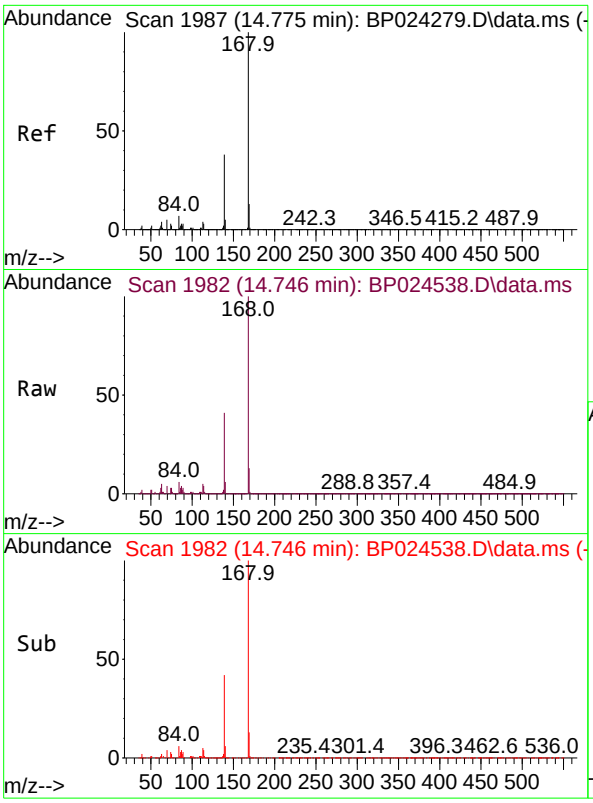


#54
2,4-Dinitrophenol
Concen: 41.385 ng
RT: 14.469 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:184 Resp: 142586

Ion	Ratio	Lower	Upper
184	100		
63	62.4	42.6	64.0
154	65.7	47.2	70.8

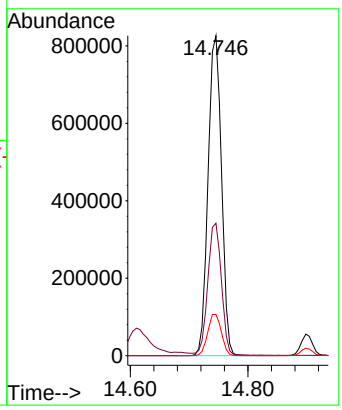




#55
Dibenzofuran
Concen: 38.583 ng
RT: 14.746 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:168 Resp: 130987

Ion	Ratio	Lower	Upper
168	100		
139	41.4	30.3	45.5
169	12.9	10.6	16.0



Instrument :
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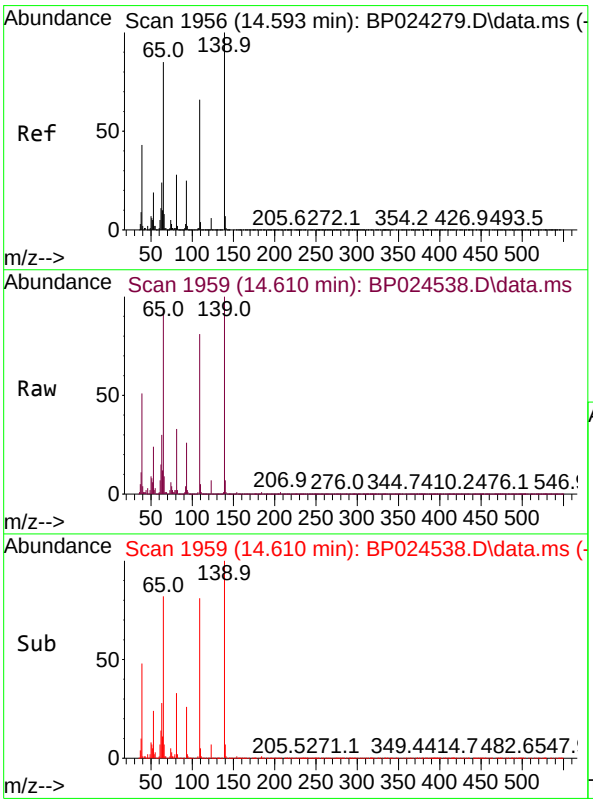
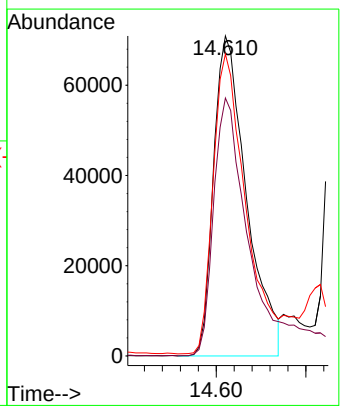
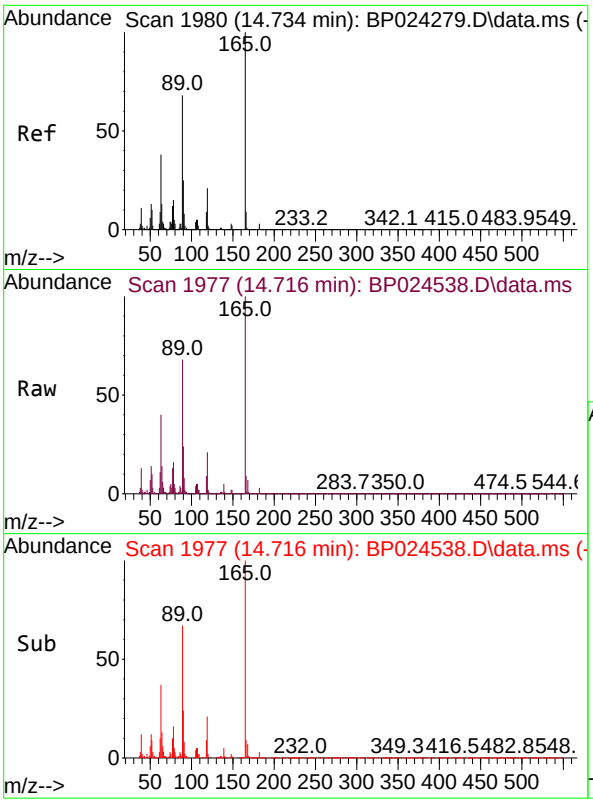


#56
4-Nitrophenol
Concen: 34.052 ng
RT: 14.610 min Scan# 1959
Delta R.T. 0.018 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:139 Resp: 180790

Ion	Ratio	Lower	Upper
139	100		
109	80.6	46.1	86.1
65	94.4	65.0	105.0

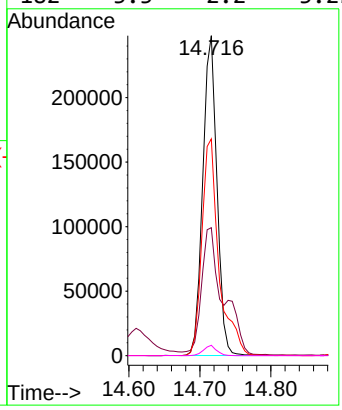




#57
2,4-Dinitrotoluene
Concen: 43.257 ng
RT: 14.716 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:165 Resp: 34513

Ion	Ratio	Lower	Upper
165	100		
63	40.0	30.4	45.6
89	67.8	54.6	82.0
182	3.3	2.2	3.2#



Instrument :
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ClientSampleId :
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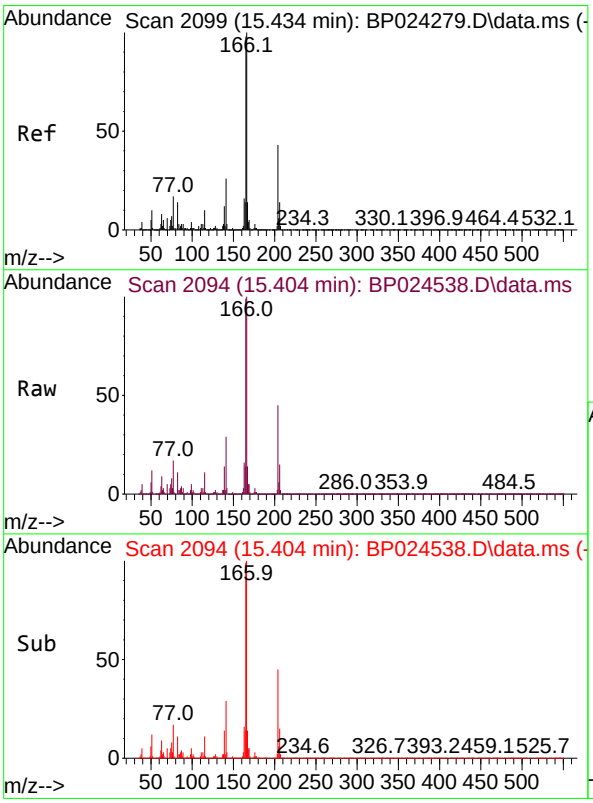
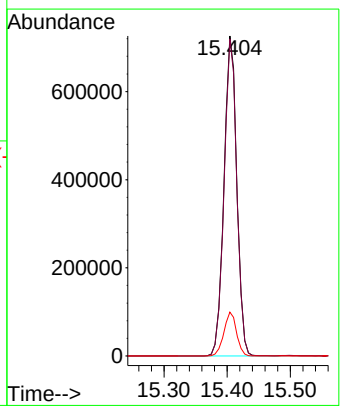
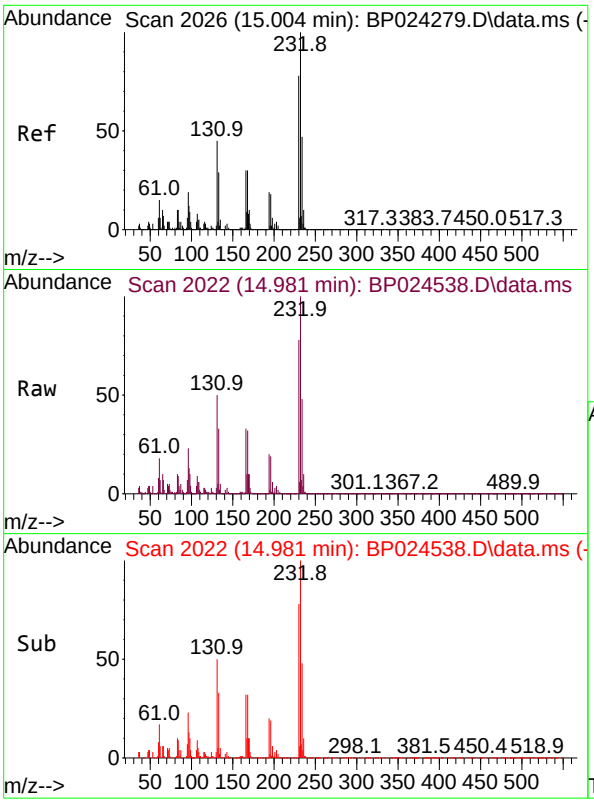


#58
Fluorene
Concen: 38.874 ng
RT: 15.404 min Scan# 2094
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:166 Resp: 1021639

Ion	Ratio	Lower	Upper
166	100		
165	99.1	78.1	117.1
167	13.7	10.9	16.3

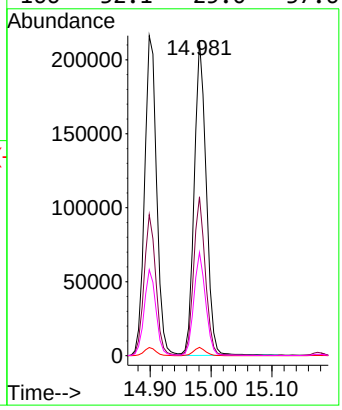




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.024 ng
RT: 14.981 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:232 Resp: 29016

Ion	Ratio	Lower	Upper
232	100		
131	49.4	36.8	55.2
130	2.6	1.9	2.9
166	32.1	25.0	37.6



Instrument :
BNA_P
ClientSampleId :
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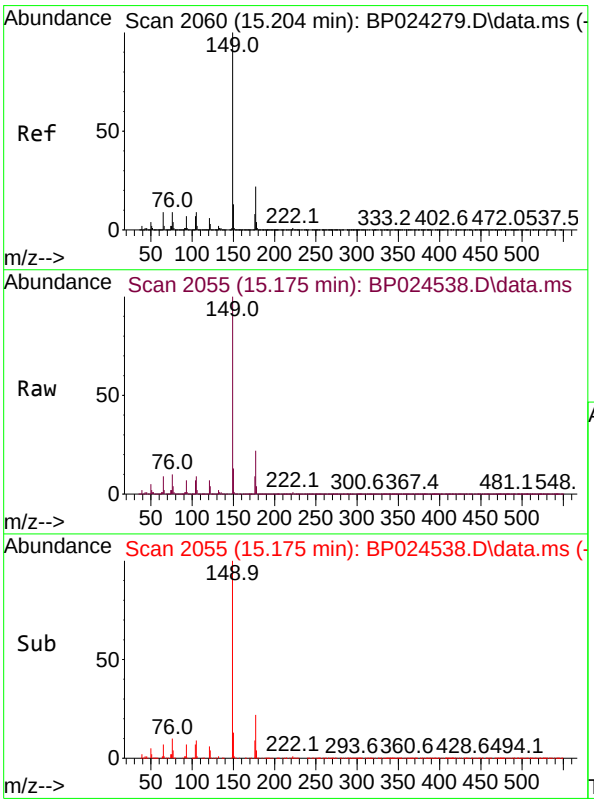
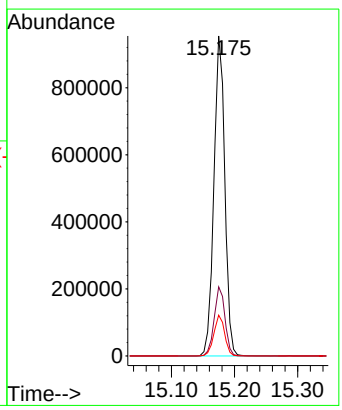
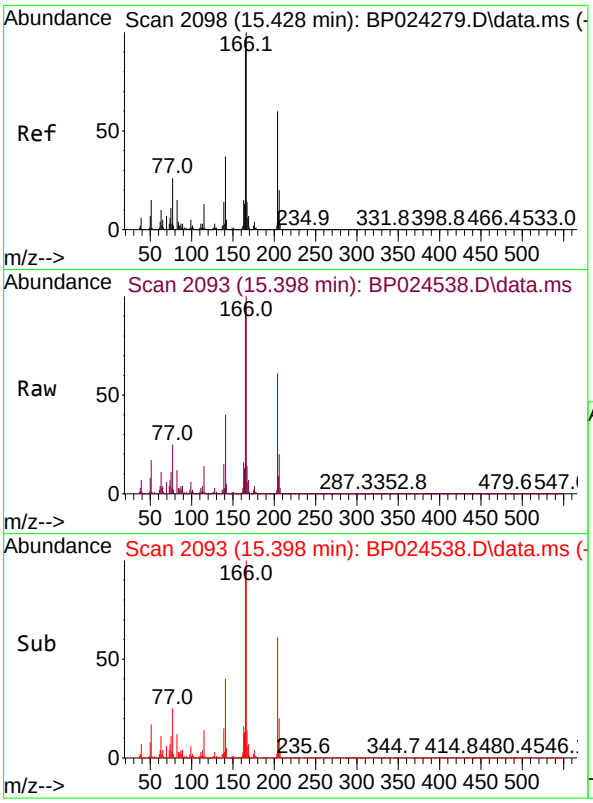


#60
Diethylphthalate
Concen: 40.162 ng
RT: 15.175 min Scan# 2055
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:149 Resp: 1140003

Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.4	26.2
150	12.7	10.1	15.1

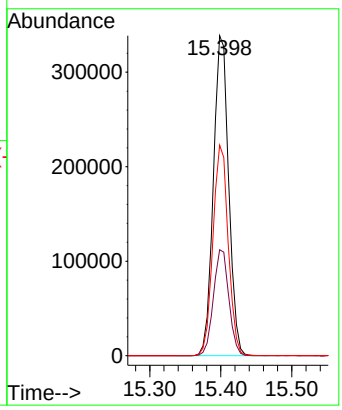




#61
4-Chlorophenyl-phenylether
Concen: 39.526 ng
RT: 15.398 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:204 Resp: 50444

Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.5	39.7
141	65.8	49.4	74.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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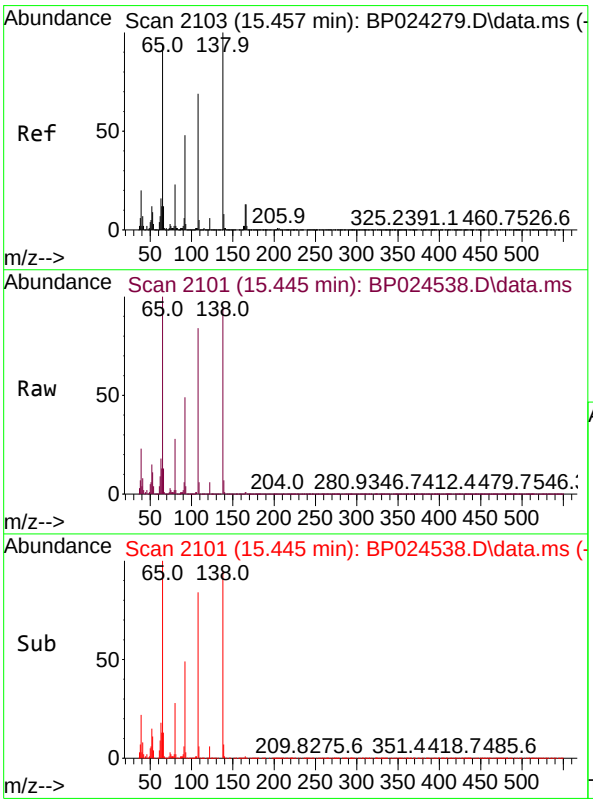
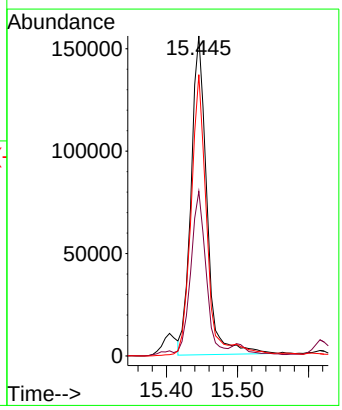
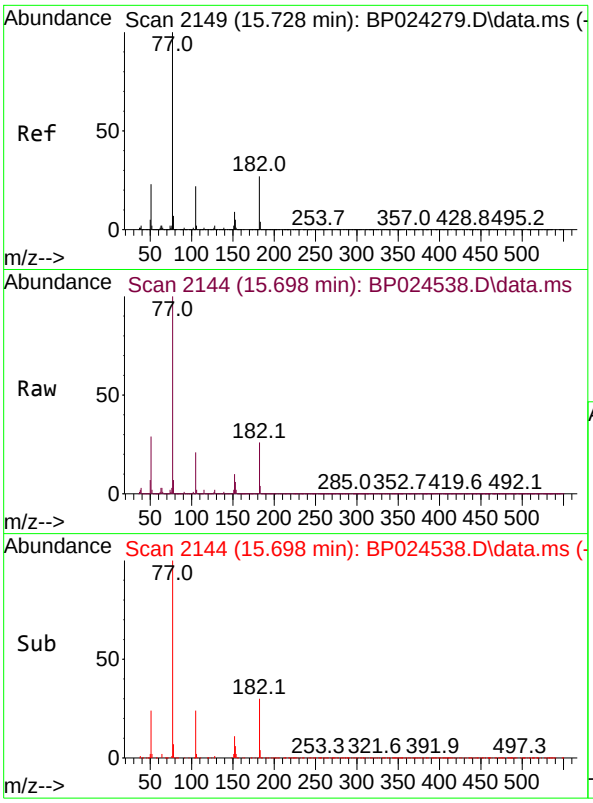


#62
4-Nitroaniline
Concen: 37.109 ng
RT: 15.445 min Scan# 2101
Delta R.T. 0.006 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:138 Resp: 241494

Ion	Ratio	Lower	Upper
138	100		
92	51.5	27.8	67.8
108	87.9	48.9	88.9

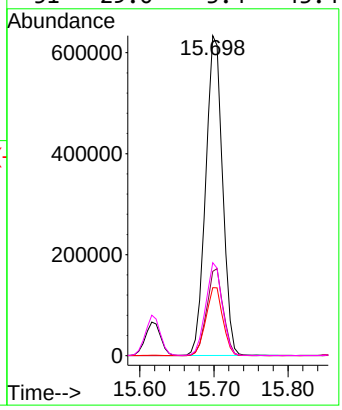




#63
Azobenzene
Concen: 38.255 ng
RT: 15.698 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion: 77 Resp: 99805

Ion	Ratio	Lower	Upper
77	100		
182	26.4	7.3	47.3
105	21.3	2.3	42.3
51	29.0	3.4	43.4



Instrument :
BNA_P
ClientSampleId :
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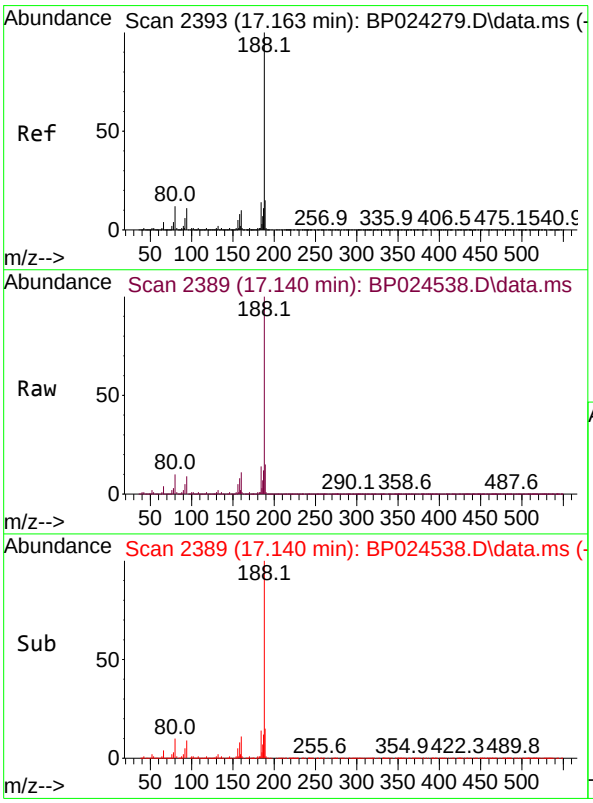
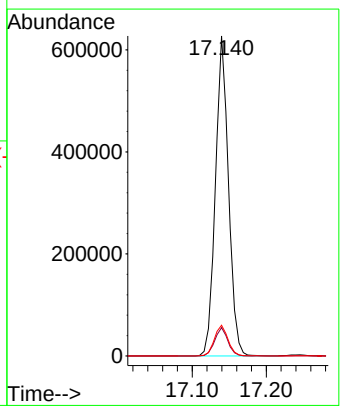
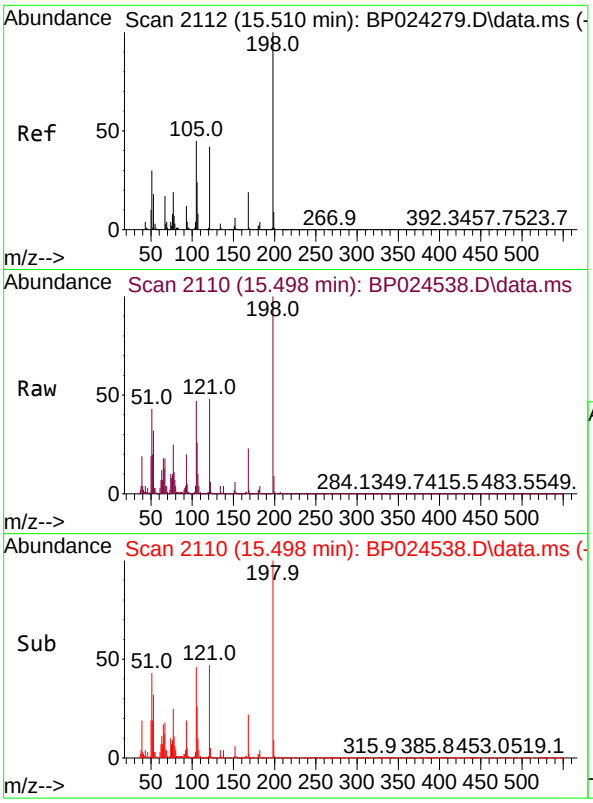


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.140 min Scan# 2389
Delta R.T. -0.006 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:188 Resp: 767035

Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.6	13.0
80	9.6	9.8	14.6#





#65
4,6-Dinitro-2-methylphenol
Concen: 40.554 ng
RT: 15.498 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:198 Resp: 19611

Ion	Ratio	Lower	Upper
198	100		
51	43.2	18.4	58.4
105	47.0	26.5	66.5

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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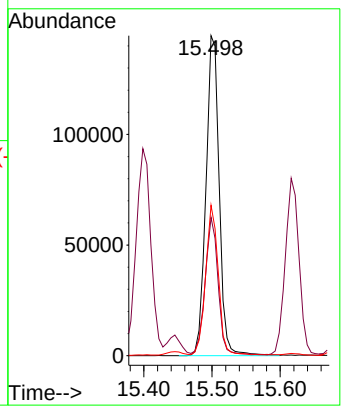
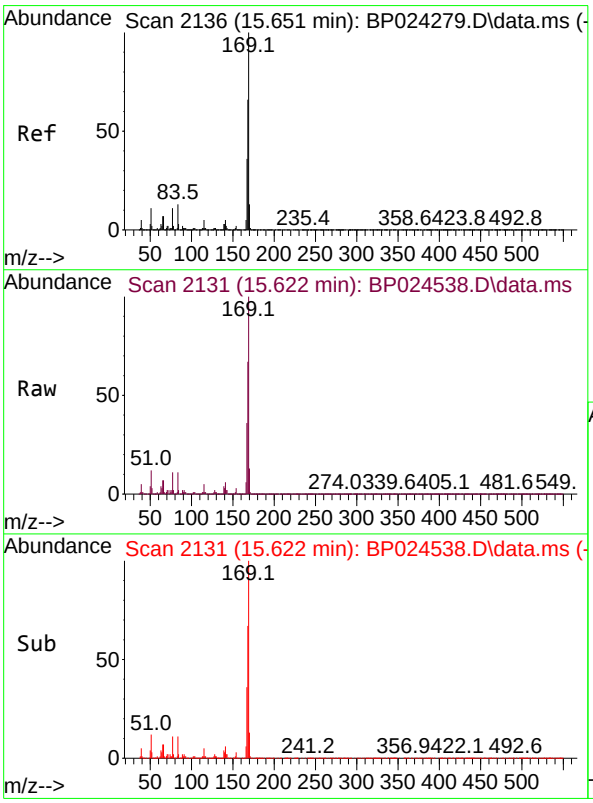
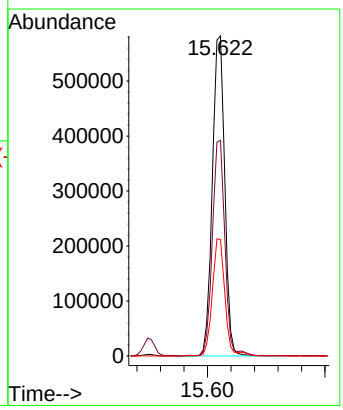


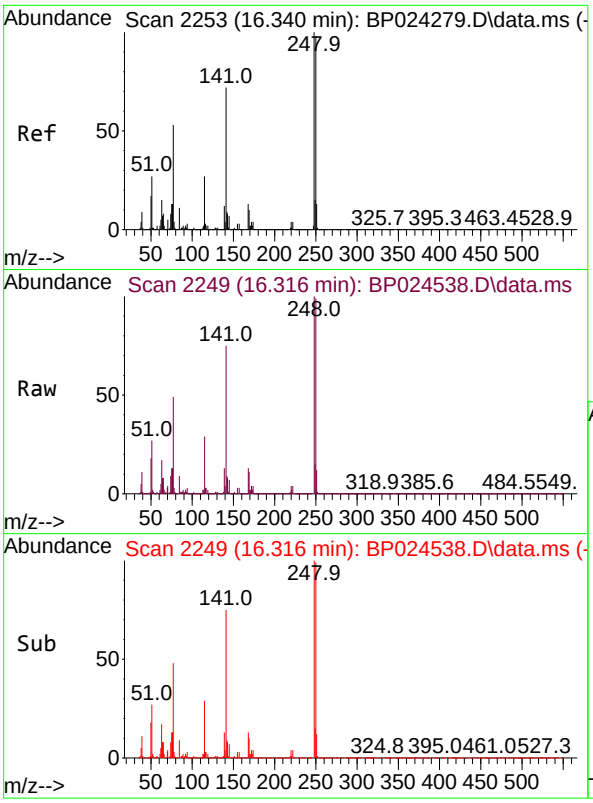


#66
n-Nitrosodiphenylamine
Concen: 37.175 ng
RT: 15.622 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:169 Resp: 851095

Ion	Ratio	Lower	Upper
169	100		
168	67.4	53.0	79.4
167	36.4	28.9	43.3





#67
4-Bromophenyl-phenylether
Concen: 40.045 ng
RT: 16.316 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:248 Resp: 33593

Ion	Ratio	Lower	Upper
248	100		
250	99.0	78.2	117.4
141	75.5	57.7	86.5

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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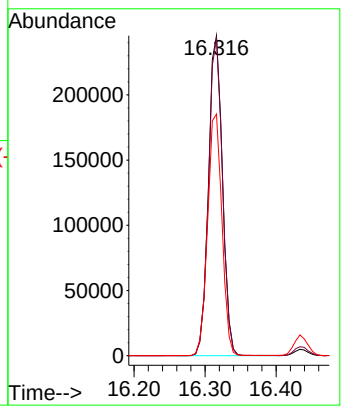
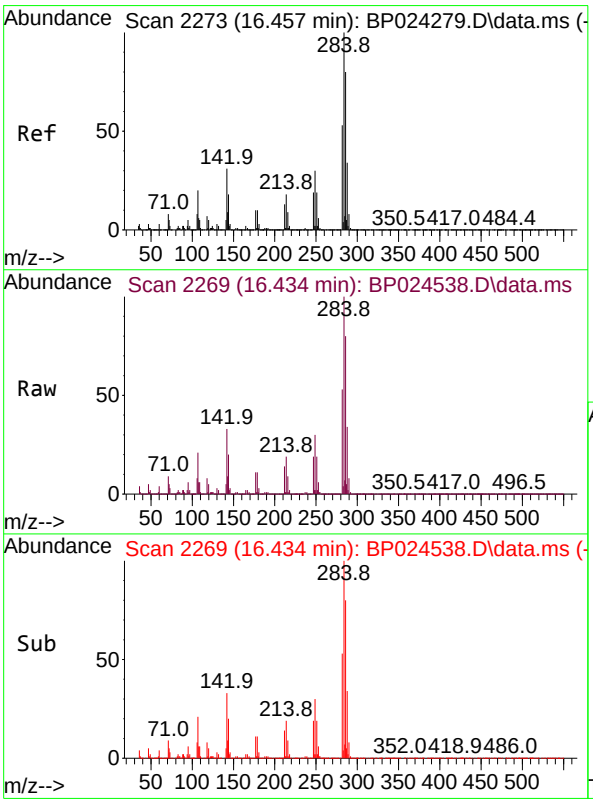
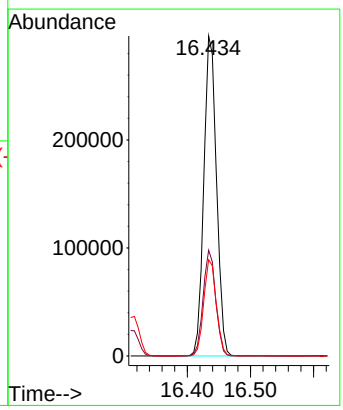


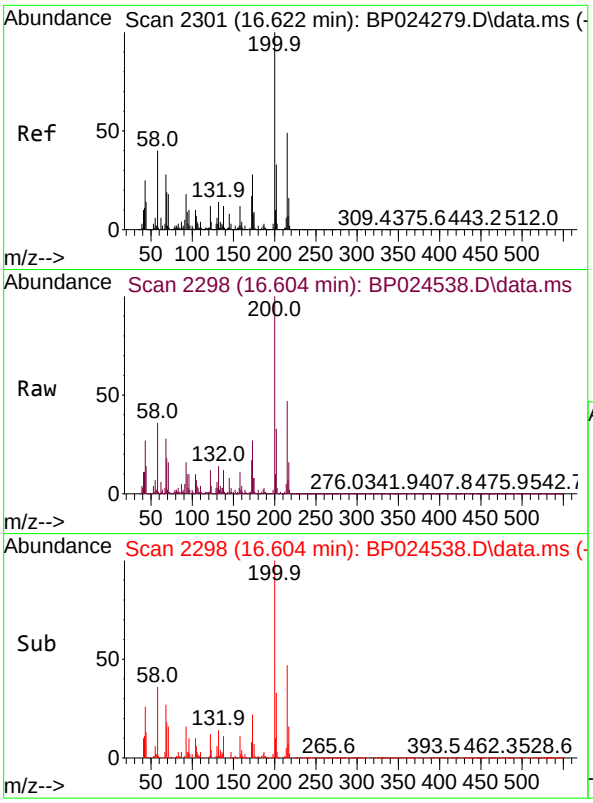


#68
Hexachlorobenzene
Concen: 41.456 ng
RT: 16.434 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:284 Resp: 413246

Ion	Ratio	Lower	Upper
284	100		
142	33.1	24.6	37.0
249	30.1	23.8	35.6

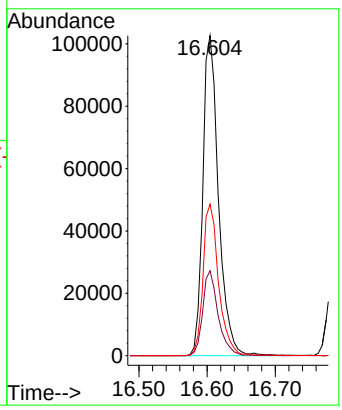




#69
Atrazine
Concen: 28.138 ng
RT: 16.604 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:200 Resp: 16406

Ion	Ratio	Lower	Upper
200	100		
173	26.6	7.5	47.5
215	47.3	28.8	68.8



Instrument :
BNA_P
ClientSampleId :
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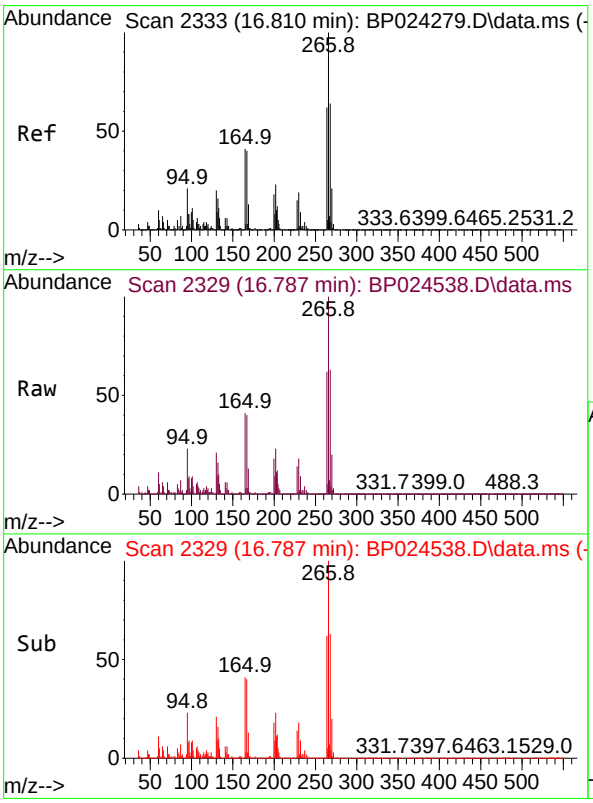
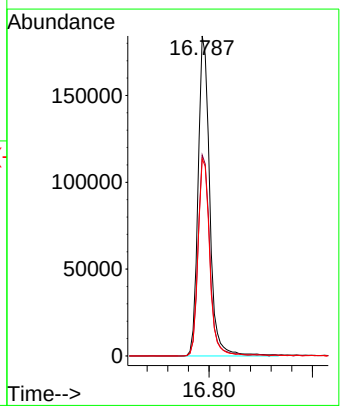
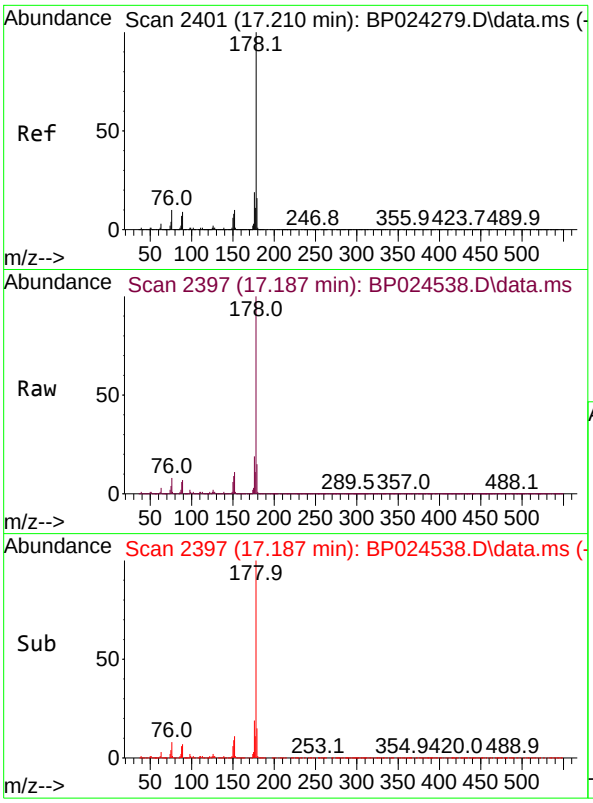


#70
Pentachlorophenol
Concen: 41.249 ng
RT: 16.787 min Scan# 2329
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:266 Resp: 286852

Ion	Ratio	Lower	Upper
266	100		
268	62.8	51.0	76.6
264	61.6	49.8	74.6

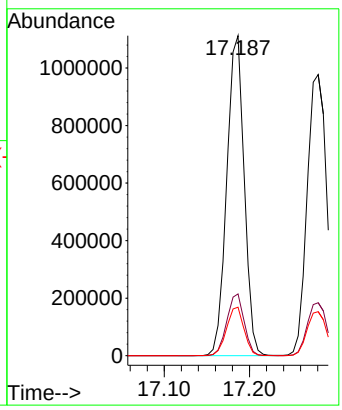




#71
Phenanthrene
Concen: 37.798 ng
RT: 17.187 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:178 Resp: 158160

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.1	12.5	18.7



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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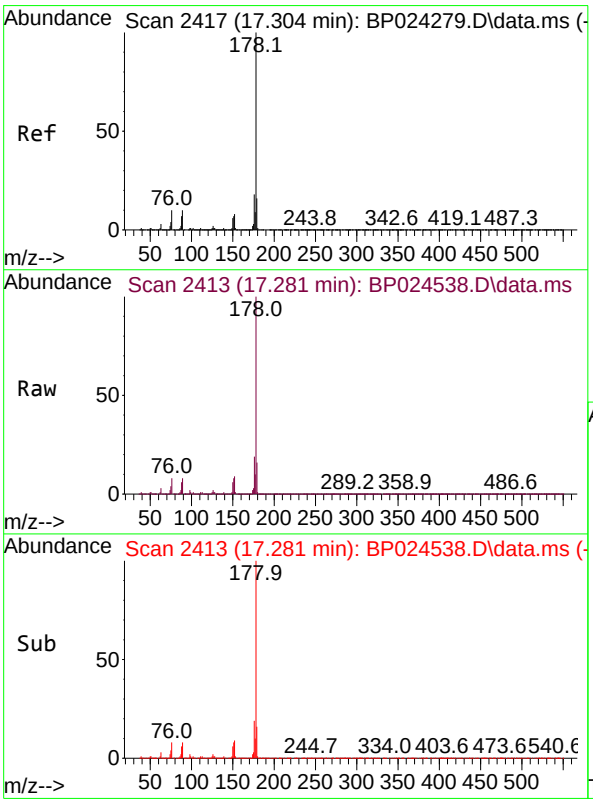
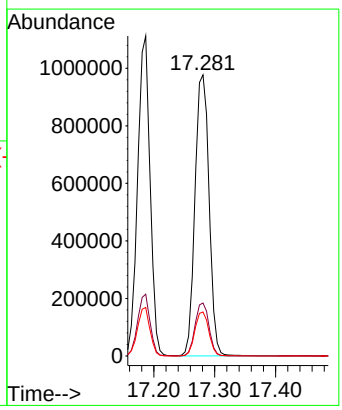
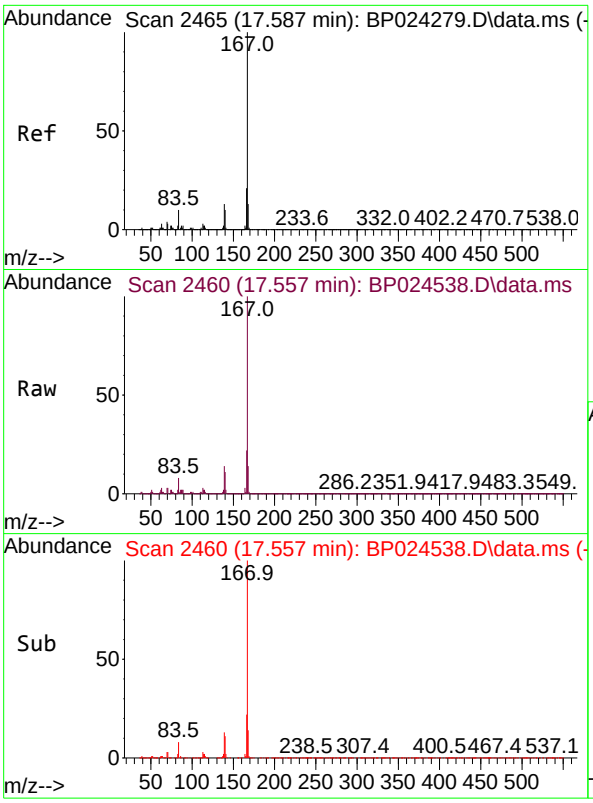


#72
Anthracene
Concen: 38.944 ng
RT: 17.281 min Scan# 2413
Delta R.T. -0.006 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:178 Resp: 1570576

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.7	22.1
179	15.6	12.4	18.6





#73
Carbazole
Concen: 38.707 ng
RT: 17.557 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:167 Resp: 152524

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.1	25.7
139	14.0	10.6	16.0

Instrument :
BNA_P
ClientSampleId :
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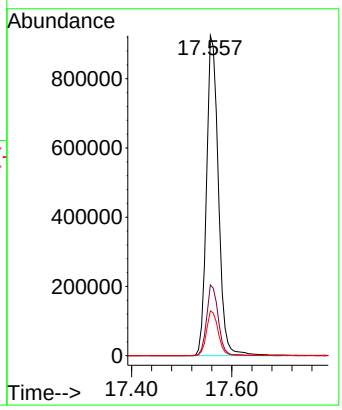
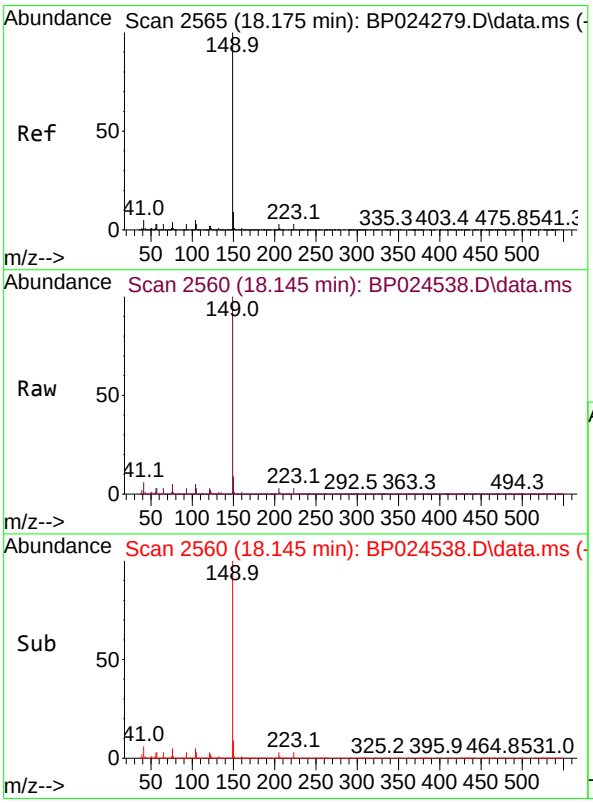
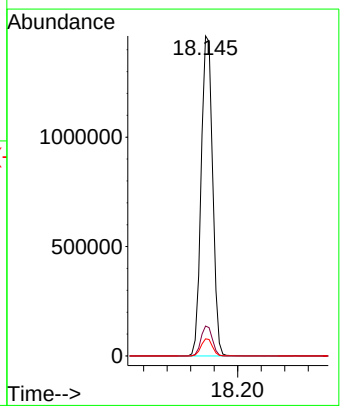


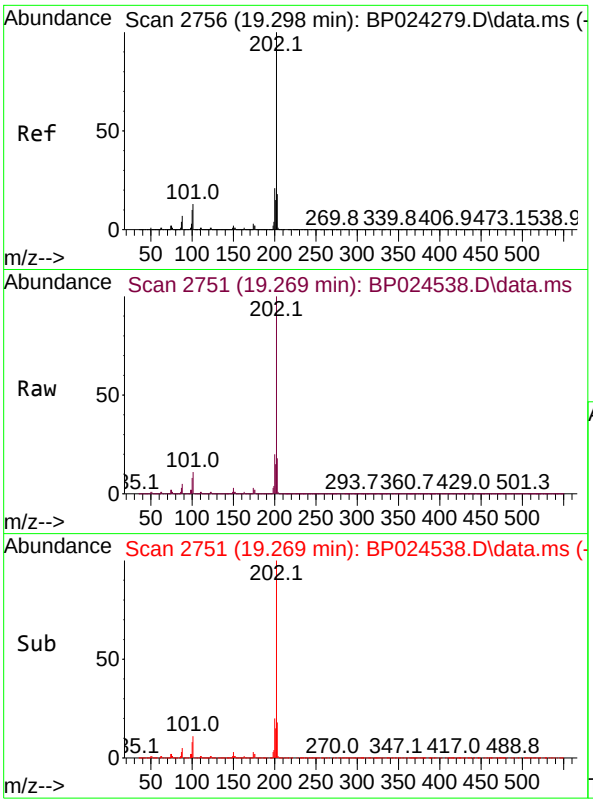


#74
Di-n-butylphthalate
Concen: 40.354 ng
RT: 18.145 min Scan# 2560
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:149 Resp: 1981084

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	5.3	3.9	5.9





#75
Fluoranthene
Concen: 39.400 ng
RT: 19.269 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:202 Resp: 196080

Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	33.2
203	17.7	0.0	37.7

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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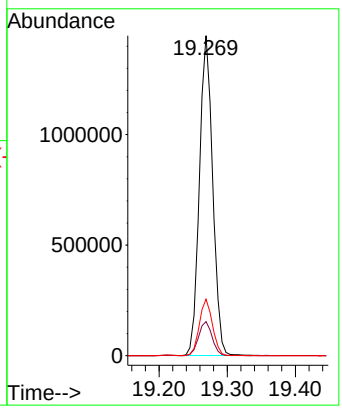
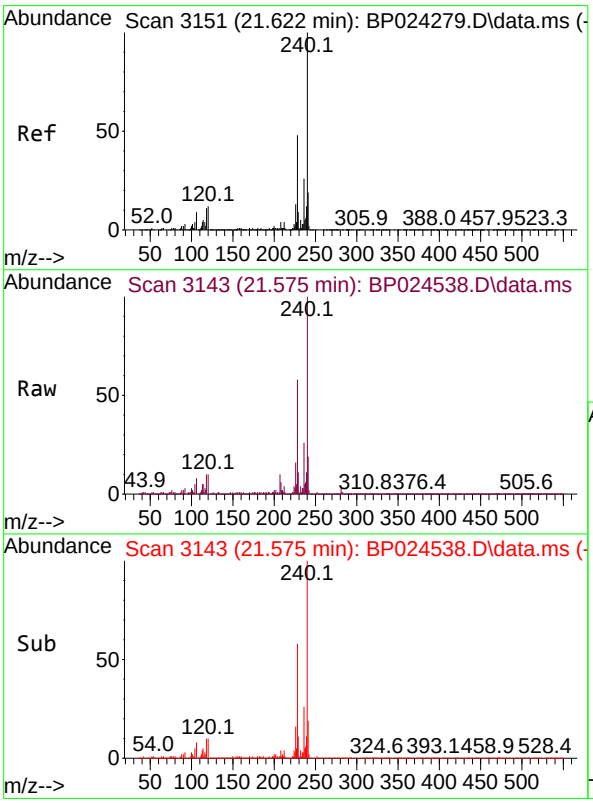
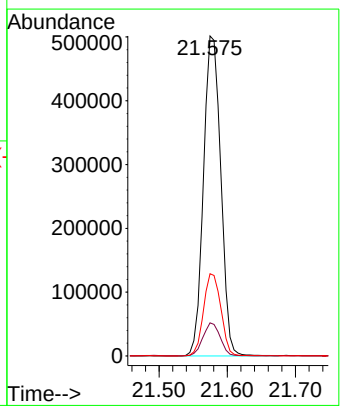


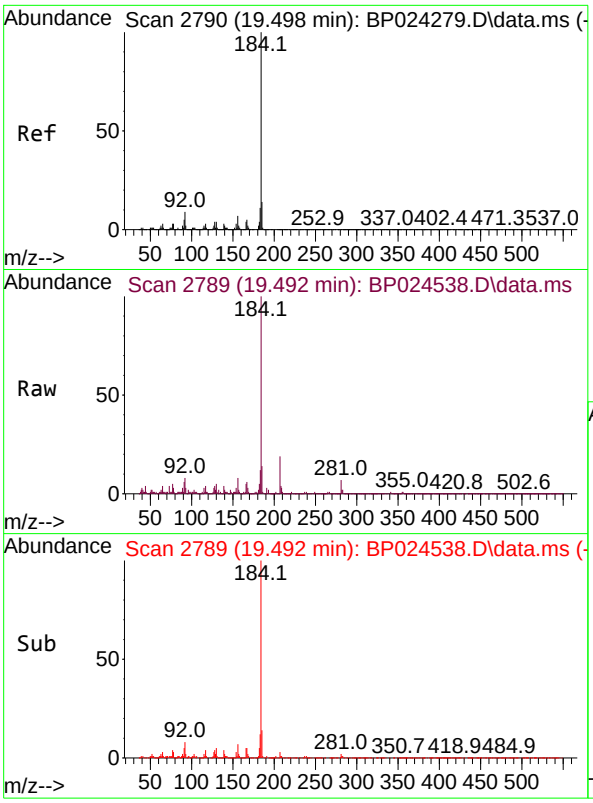


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.575 min Scan# 3143
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:240 Resp: 886346

Ion	Ratio	Lower	Upper
240	100		
120	10.4	9.8	14.8
236	25.7	20.9	31.3

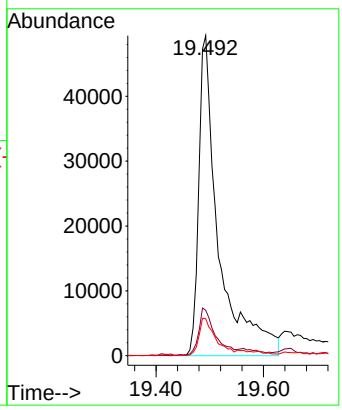




#77
Benzidine
Concen: 11.320 ng m
RT: 19.492 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:184 Resp: 12717

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.6	17.4
183	11.6	9.2	13.8



Instrument :
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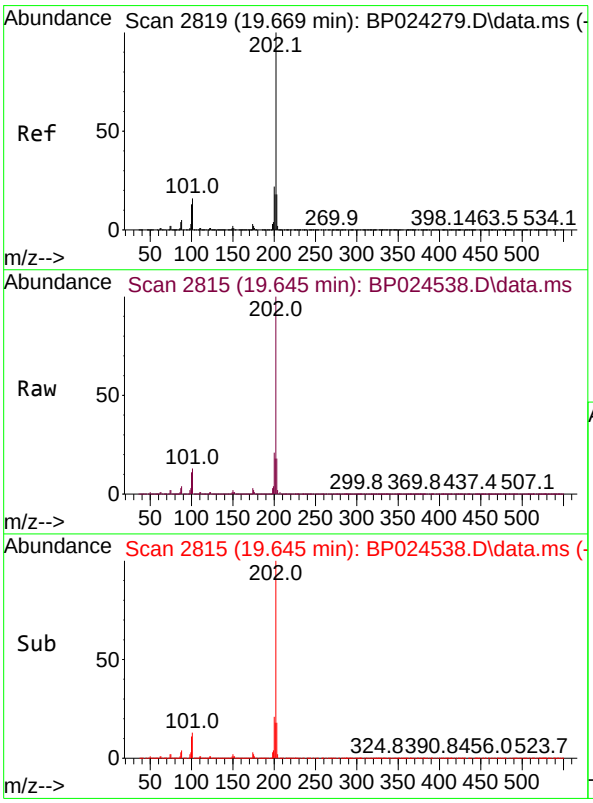
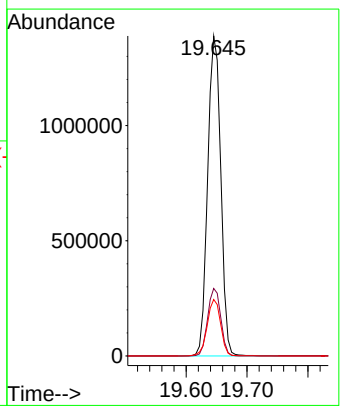
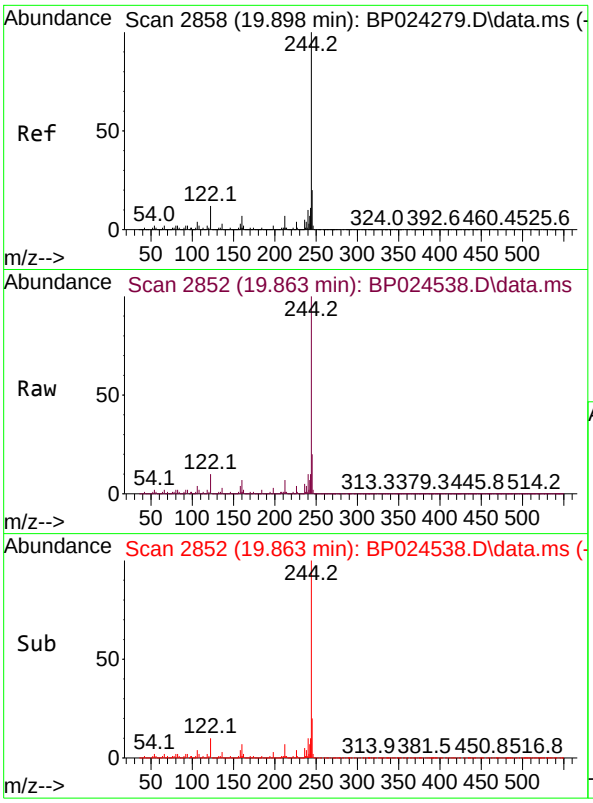


#78
Pyrene
Concen: 36.817 ng
RT: 19.645 min Scan# 2815
Delta R.T. -0.006 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:202 Resp: 2073826

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.2	25.8
203	17.7	14.4	21.6





#79
Terphenyl-d14
Concen: 77.852 ng
RT: 19.863 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:244 Resp: 342340

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	10.1	9.4	14.0

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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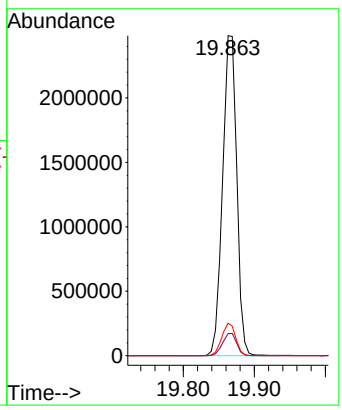
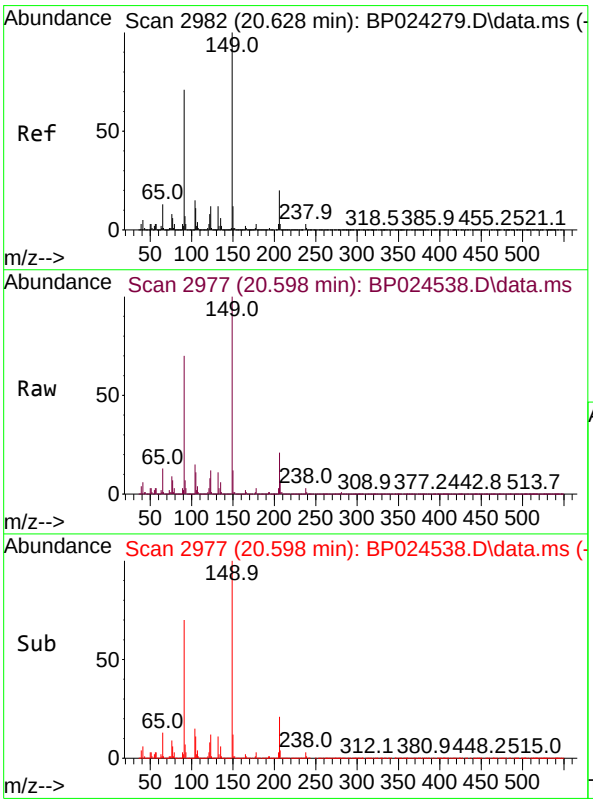
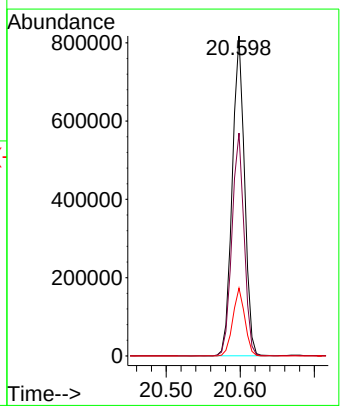


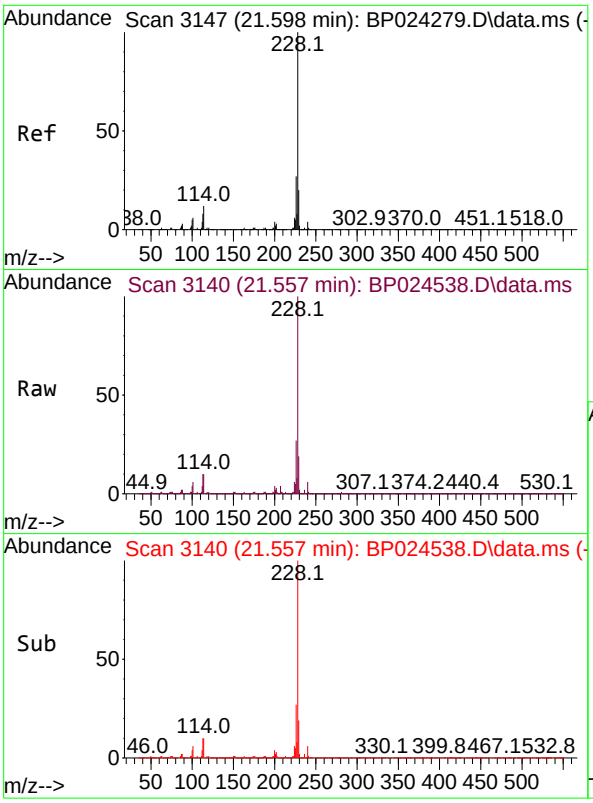


#80
Butylbenzylphthalate
Concen: 38.892 ng
RT: 20.598 min Scan# 2977
Delta R.T. -0.006 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:149 Resp: 938336

Ion	Ratio	Lower	Upper
149	100		
91	69.6	56.4	84.6
206	21.2	16.3	24.5

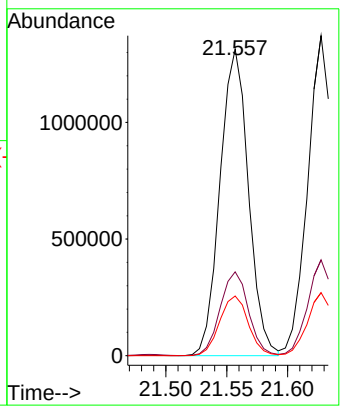




#81
Benzo(a)anthracene
Concen: 38.739 ng
RT: 21.557 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:228 Resp: 213420

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	19.5	15.9	23.9



Instrument :
BNA_P
ClientSampleId :
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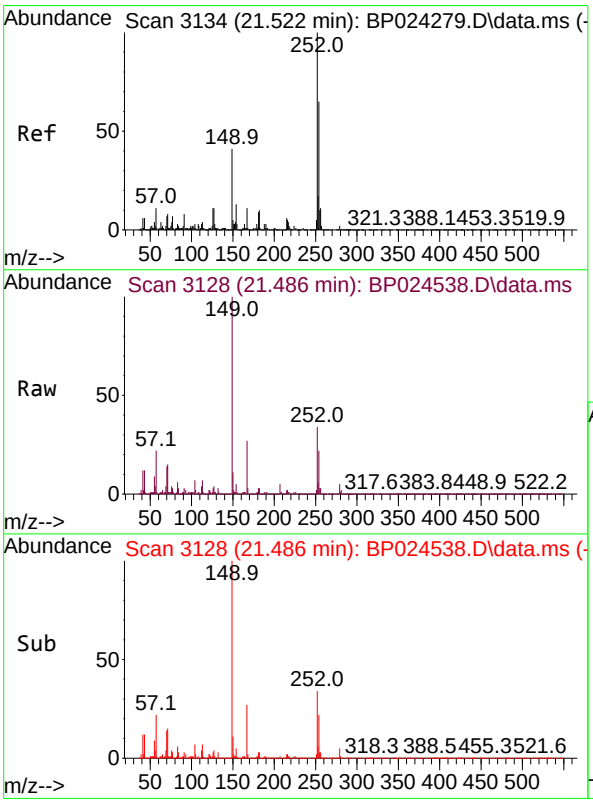
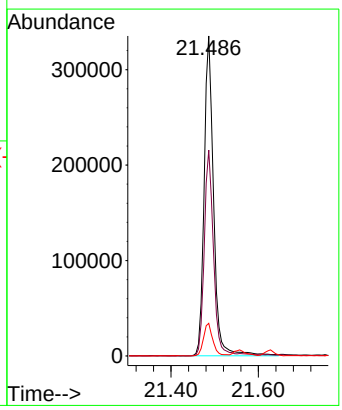
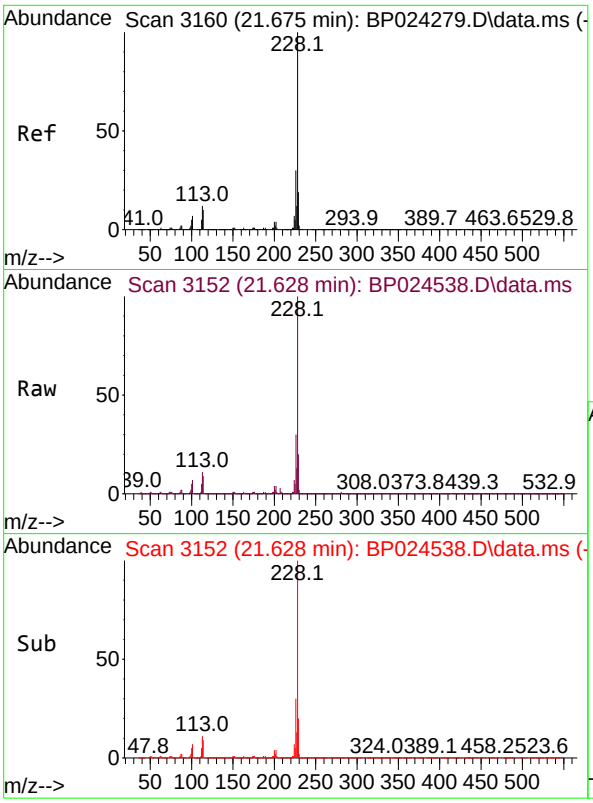


#82
3,3'-Dichlorobenzidine
Concen: 26.196 ng
RT: 21.486 min Scan# 3128
Delta R.T. -0.006 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:252 Resp: 506543

Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.7	77.5
126	10.2	8.8	13.2

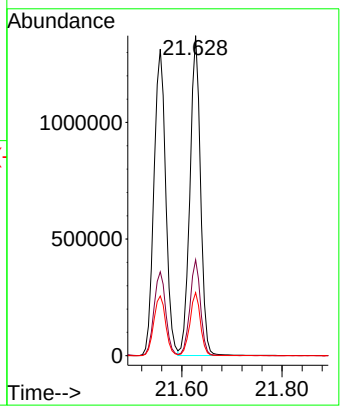




#83
Chrysene
Concen: 38.021 ng
RT: 21.628 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:228 Resp: 200677

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.2	36.2
229	19.7	15.6	23.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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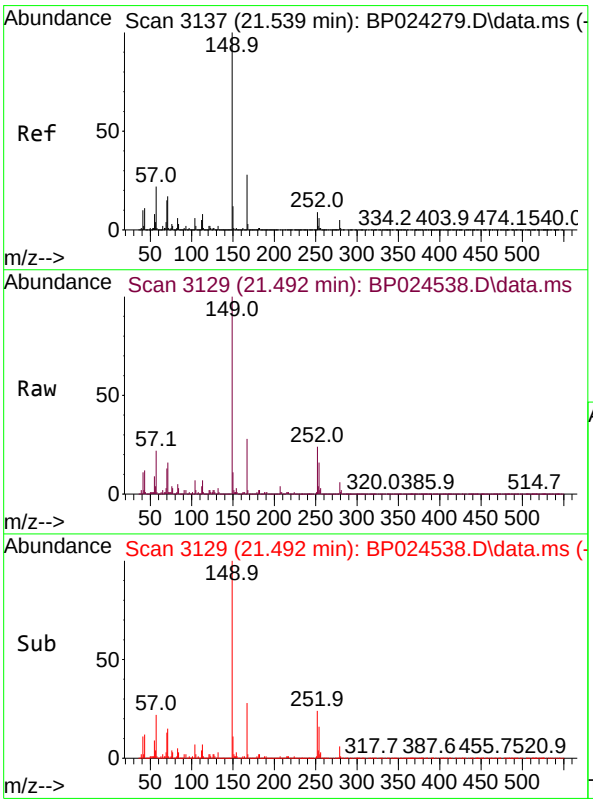
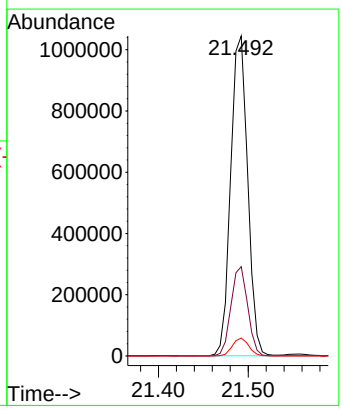
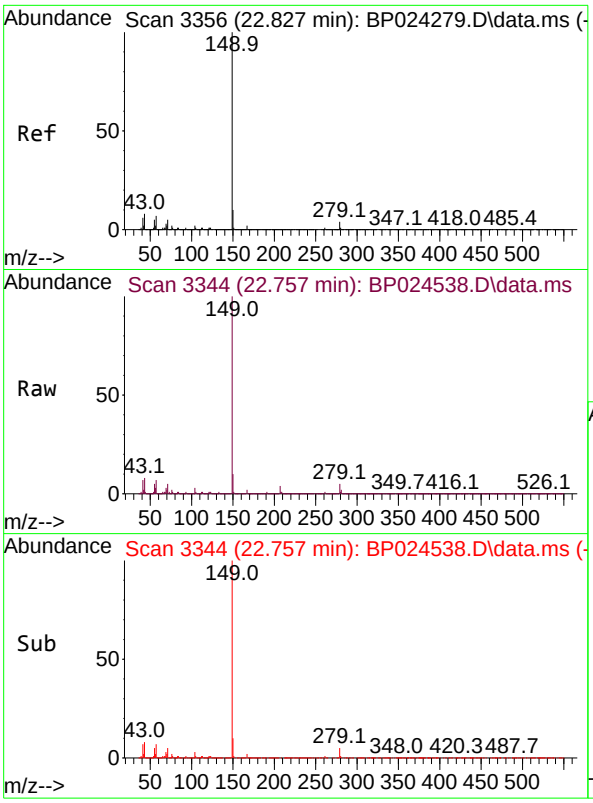


#84
Bis(2-ethylhexyl)phthalate
Concen: 38.807 ng
RT: 21.492 min Scan# 3129
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:149 Resp: 1372545

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.4	33.6
279	5.6	4.0	6.0





#85
Di-n-octyl phthalate
Concen: 40.324 ng
RT: 22.757 min Scan# 3
Delta R.T. -0.029 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:149 Resp: 231859

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.9	6.0	9.0

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

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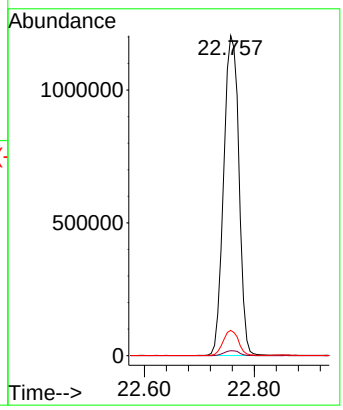
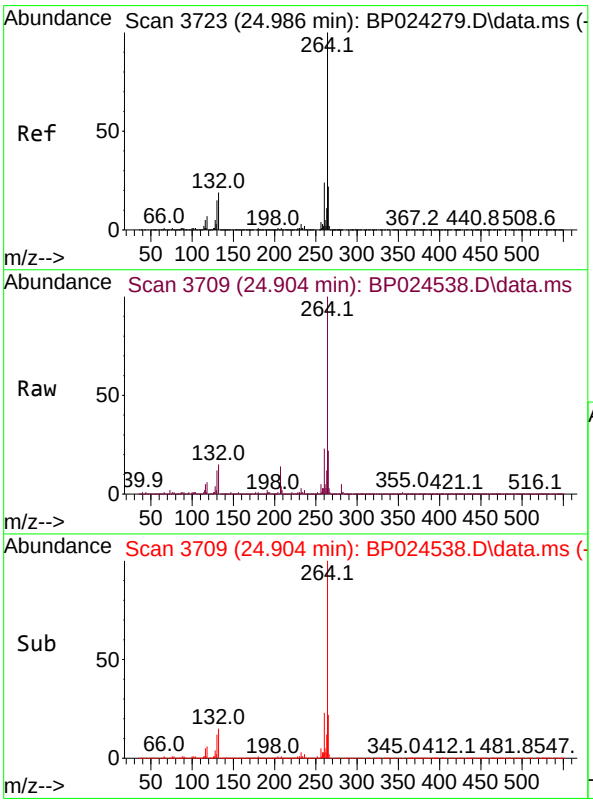
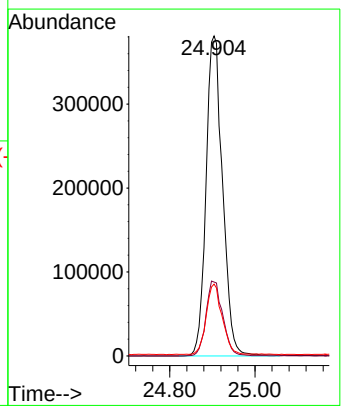


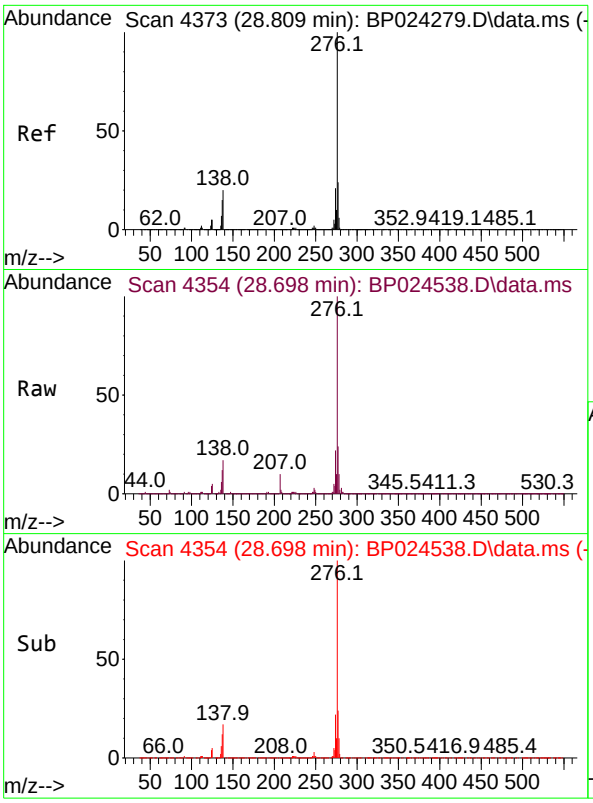


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.904 min Scan# 3709
Delta R.T. -0.029 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:264 Resp: 1026352

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.9	28.3
265	22.5	17.8	26.6

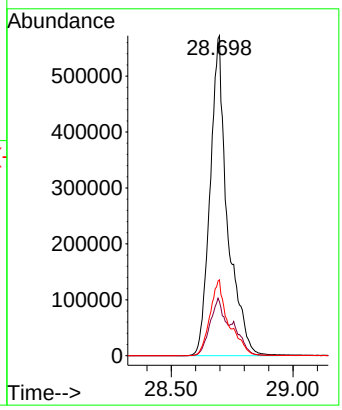




#87
Indeno(1,2,3-cd)pyrene
Concen: 39.590 ng
RT: 28.698 min Scan# 4
Delta R.T. -0.041 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:276 Resp: 282093

Ion	Ratio	Lower	Upper
276	100		
138	15.8	14.5	21.7
277	25.4	20.2	30.2



Instrument :
BNA_P
ClientSampleId :
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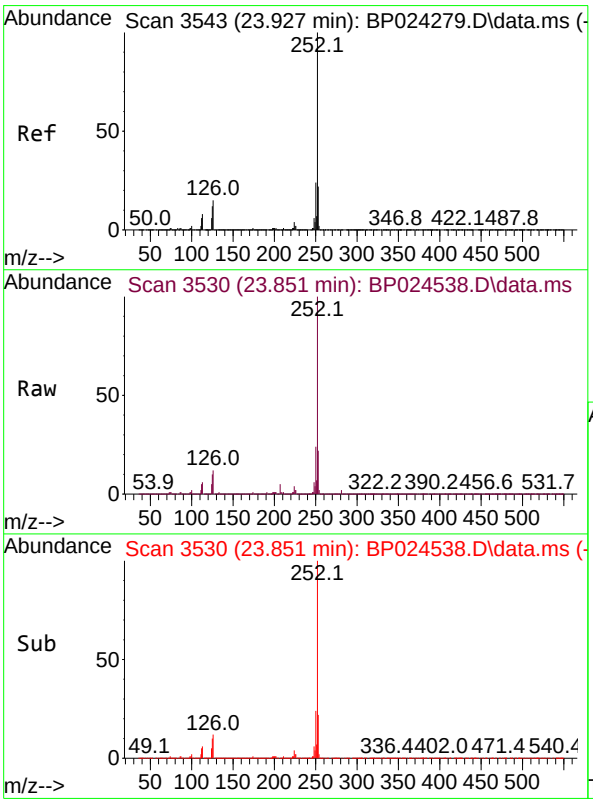
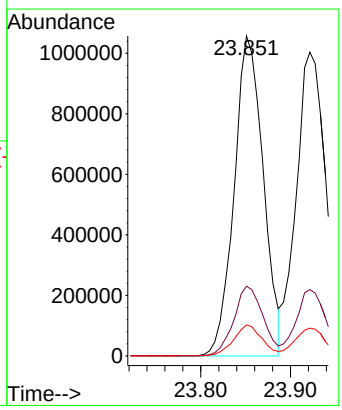
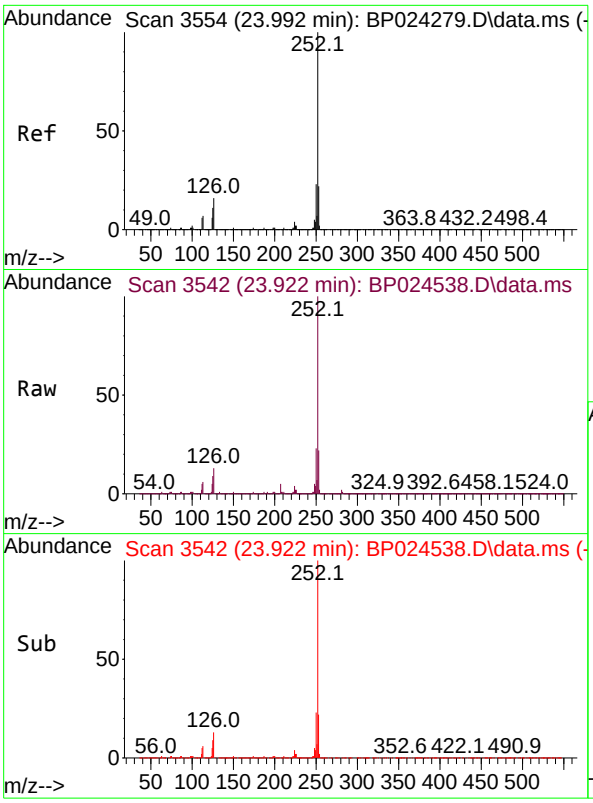


#88
Benzo(b)fluoranthene
Concen: 38.631 ng
RT: 23.851 min Scan# 3530
Delta R.T. -0.035 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:252 Resp: 2376622

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	9.7	9.4	14.0

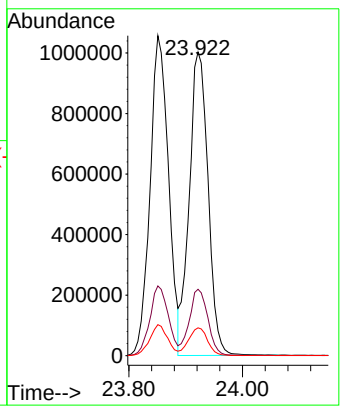




#89
Benzo(k)fluoranthene
Concen: 38.777 ng
RT: 23.922 min Scan# 3
Delta R.T. -0.035 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

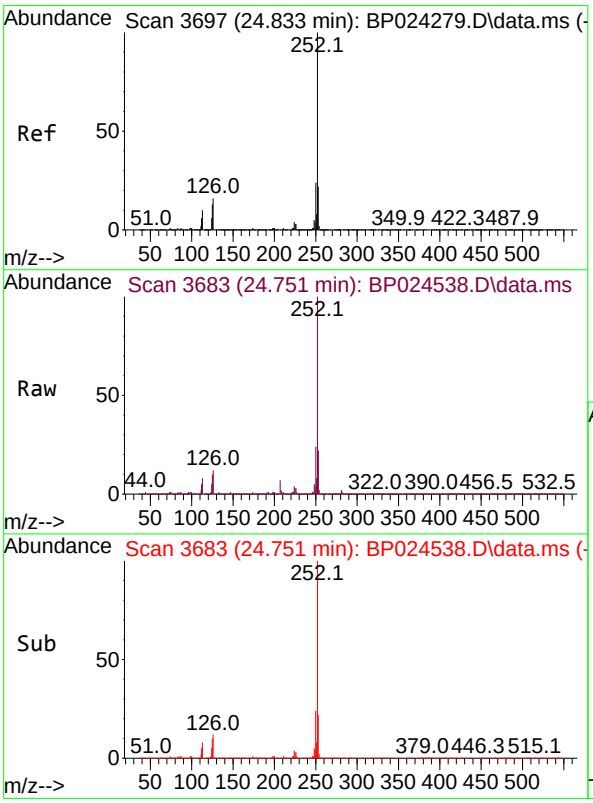
Tgt Ion:252 Resp: 230435

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	9.2	9.1	13.7



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

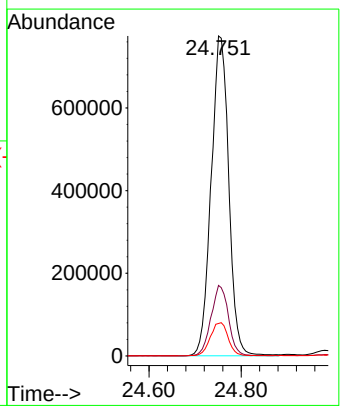
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

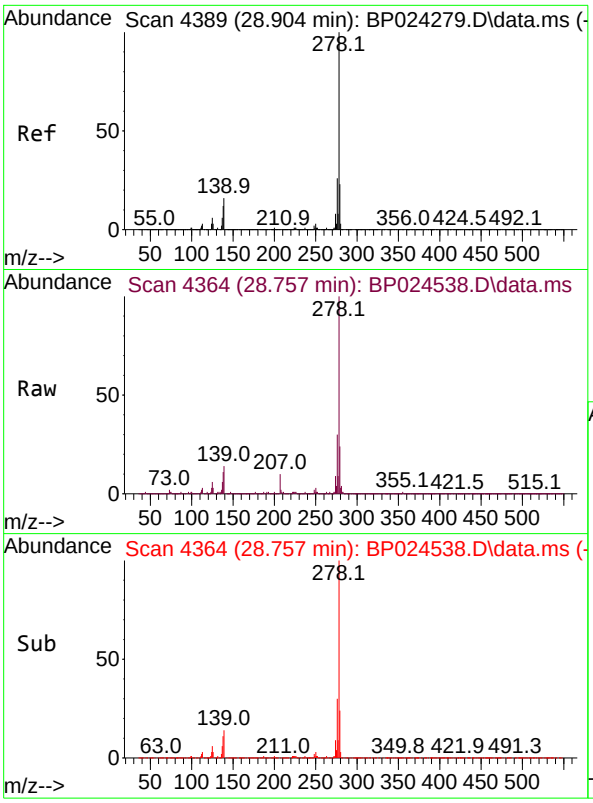


#90
Benzo(a)pyrene
Concen: 38.638 ng
RT: 24.751 min Scan# 3683
Delta R.T. -0.029 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:252 Resp: 2050411

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	10.2	10.1	15.1





#91
Dibenzo(a,h)anthracene
Concen: 39.573 ng
RT: 28.757 min Scan# 4
Delta R.T. -0.047 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

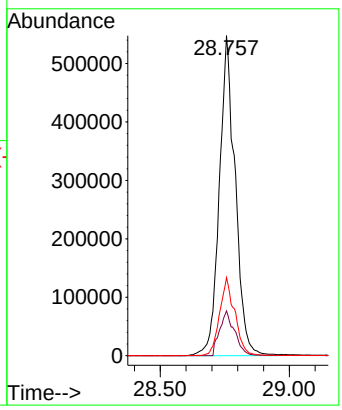
Tgt Ion:278 Resp: 234047

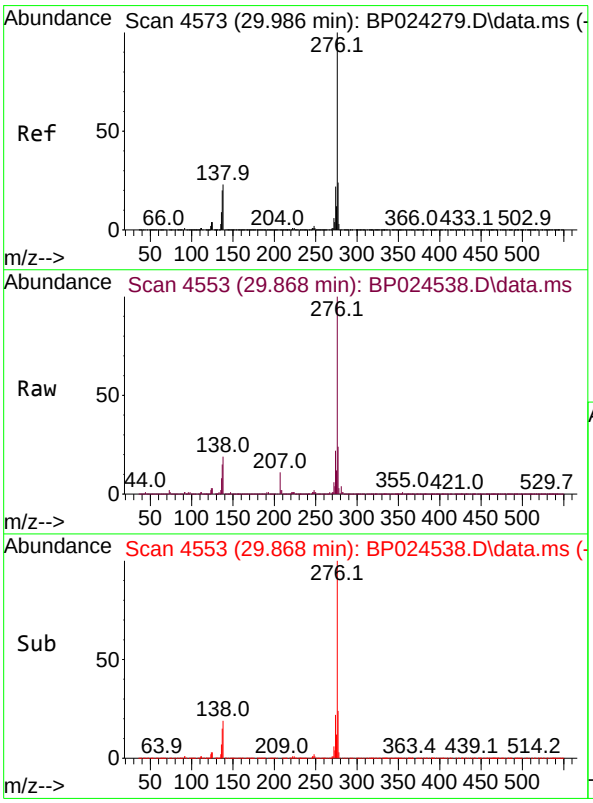
Ion	Ratio	Lower	Upper
278	100		
139	14.0	12.6	19.0
279	24.4	18.5	27.7

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

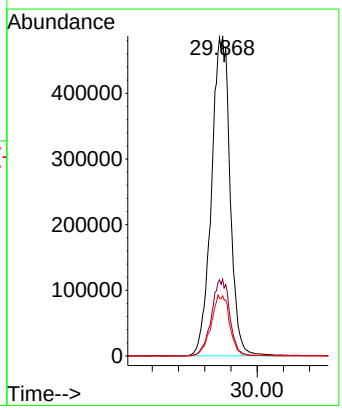




#92
Benzo(g,h,i)perylene
Concen: 39.697 ng
RT: 29.868 min Scan# 4553
Delta R.T. -0.029 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:276 Resp: 2389696

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.9	28.3
138	18.8	18.7	28.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050525\
Data File : BP024538.D
Acq On : 05 May 2025 23:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 06 04:22:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 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	59	-0.01
2		1,4-Dioxane	0.512	0.469	8.4	54	-0.01
3		Pyridine	1.351	1.130	16.4	48#	0.00
4		n-Nitrosodimethylamine	0.448	0.510	-13.8	65	-0.01
5	S	2-Fluorophenol	1.210	1.181	2.4	55	-0.01
6		Aniline	1.480	0.748	49.5#	28#	-0.01
7	S	Phenol-d6	1.656	1.533	7.4	51	-0.01
8		2-Chlorophenol	1.350	1.296	4.0	54	-0.02
9		Benzaldehyde	0.819	0.883	-7.8	62	-0.02
10	C	Phenol	1.661	1.522	8.4	51	-0.02
11		bis(2-Chloroethyl)ether	1.339	1.364	-1.9	57	-0.02
12		1,3-Dichlorobenzene	1.454	1.374	5.5	54	-0.02
13	C	1,4-Dichlorobenzene	1.475	1.404	4.8	55	-0.02
14		1,2-Dichlorobenzene	1.424	1.336	6.2	54	-0.02
15		Benzyl Alcohol	1.071	0.982	8.3	50#	-0.01
16		2,2'-oxybis(1-Chloropropane	1.447	1.248	13.8	48#	-0.01
17		2-Methylphenol	1.075	1.021	5.0	53	-0.01
18		Hexachloroethane	0.533	0.520	2.4	56	-0.02
19	P	n-Nitroso-di-n-propylamine	1.025	0.917	10.5	50#	-0.02
20		3+4-Methylphenols	1.491	1.411	5.4	52	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	56	-0.02
22		Acetophenone	0.495	0.483	2.4	52	-0.02
23	S	Nitrobenzene-d5	0.351	0.353	-0.6	53	-0.01
24		Nitrobenzene	0.347	0.347	0.0	53	-0.01
25		Isophorone	0.635	0.598	5.8	50#	-0.01
26	C	2-Nitrophenol	0.170	0.178	-4.7	54	-0.01
27		2,4-Dimethylphenol	0.213	0.209	1.9	52	-0.01
28		bis(2-Chloroethoxy)methane	0.429	0.381	11.2	47#	-0.02
29	C	2,4-Dichlorophenol	0.291	0.295	-1.4	53	0.00
30		1,2,4-Trichlorobenzene	0.311	0.312	-0.3	54	-0.02
31		Naphthalene	1.054	1.018	3.4	53	-0.02
32		Benzoic acid	0.248	0.209	15.7	48#	0.00
33		4-Chloroaniline	0.371	0.254	31.5#	36#	0.00
34	C	Hexachlorobutadiene	0.183	0.193	-5.5	57	-0.02
35		Caprolactam	0.107	0.107	0.0	53	-0.01
36	C	4-Chloro-3-methylphenol	0.339	0.352	-3.8	55	0.00
37		2-Methylnaphthalene	0.731	0.708	3.1	52	-0.02
38		1-Methylnaphthalene	0.715	0.683	4.5	52	-0.01
39	I	Acenaphthene-d10	1.000	1.000	0.0	58	-0.01
40		1,2,4,5-Tetrachlorobenzene	0.550	0.546	0.7	55	-0.01
41	P	Hexachlorocyclopentadiene	0.195	0.199	-2.1	53	-0.02
42	S	2,4,6-Tribromophenol	0.277	0.318	-14.8	63	0.00
43	C	2,4,6-Trichlorophenol	0.366	0.372	-1.6	55	-0.02
44		2,4,5-Trichlorophenol	0.405	0.415	-2.5	56	0.00
45	S	2-Fluorobiphenyl	1.306	1.276	2.3	54	-0.01
46		1,1'-Biphenyl	1.470	1.408	4.2	53	-0.02
47		2-Chloronaphthalene	1.099	1.061	3.5	54	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050525\
Data File : BP024538.D
Acq On : 05 May 2025 23:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 06 04:22:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 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	0.308	0.332	-7.8	58	0.00
49		Acenaphthylene	1.730	1.682	2.8	53	-0.01
50		Dimethylphthalate	1.454	1.449	0.3	56	-0.01
51		2,6-Dinitrotoluene	0.309	0.312	-1.0	55	-0.01
52	C	Acenaphthene	1.097	1.053	4.0	54	-0.02
53		3-Nitroaniline	0.325	0.327	-0.6	53	0.00
54	P	2,4-Dinitrophenol	0.182	0.188	-3.3	58	0.00
55		Dibenzofuran	1.793	1.729	3.6	54	-0.01
56	P	4-Nitrophenol	0.280	0.239	14.6	45#	0.02
57		2,4-Dinitrotoluene	0.421	0.456	-8.3	59	0.00
58		Fluorene	1.388	1.349	2.8	56	-0.01
59		2,3,4,6-Tetrachlorophenol	0.373	0.383	-2.7	57	-0.01
60		Diethylphthalate	1.499	1.505	-0.4	56	-0.02
61		4-Chlorophenyl-phenylether	0.674	0.666	1.2	56	-0.01
62		4-Nitroaniline	0.344	0.319	7.3	50#	0.00
63		Azobenzene	1.378	1.318	4.4	53	-0.01
64	I	Phenanthrene-d10	1.000	1.000	0.0	60	0.00
65		4,6-Dinitro-2-methylphenol	0.126	0.128	-1.6	58	0.00
66	c	n-Nitrosodiphenylamine	0.597	0.555	7.0	53	0.00
67		4-Bromophenyl-phenylether	0.219	0.219	0.0	57	0.00
68		Hexachlorobenzene	0.260	0.269	-3.5	60	0.00
69		Atrazine	0.152	0.107	29.6#	53	0.00
70	C	Pentachlorophenol	0.181	0.187	-3.3	57	-0.01
71		Phenanthrene	1.091	1.031	5.5	55	0.00
72		Anthracene	1.052	1.024	2.7	55	0.00
73		Carbazole	1.027	0.994	3.2	55	-0.01
74		Di-n-butylphthalate	1.280	1.291	-0.9	55	-0.01
75	C	Fluoranthene	1.298	1.278	1.5	57	-0.01
76	I	Chrysene-d12	1.000	1.000	0.0	66	-0.02
77		Benzidine	0.254	0.072	71.7#	11#	0.01
78		Pyrene	1.271	1.170	7.9	59	0.00
79	S	Terphenyl-d14	0.992	0.966	2.6	61	-0.01
80		Butylbenzylphthalate	0.544	0.529	2.8	58	0.00
81		Benzo(a)anthracene	1.243	1.204	3.1	61	-0.01
82		3,3'-Dichlorobenzidine	0.436	0.286	34.4#	39#	0.00
83		Chrysene	1.191	1.132	5.0	61	-0.01
84		Bis(2-ethylhexyl)phthalate	0.798	0.774	3.0	57	-0.02
85	c	Di-n-octyl phthalate	1.297	1.308	-0.8	59	-0.03
86	I	Perylene-d12	1.000	1.000	0.0	69	-0.03
87		Indeno(1,2,3-cd)pyrene	1.388	1.374	1.0	66	-0.04
88		Benzo(b)fluoranthene	1.199	1.158	3.4	64	-0.04
89		Benzo(k)fluoranthene	1.158	1.123	3.0	64	-0.04
90	C	Benzo(a)pyrene	1.034	0.999	3.4	63	-0.03
91		Dibenzo(a,h)anthracene	1.152	1.140	1.0	65	-0.05
92		Benzo(g,h,i)perylene	1.173	1.164	0.8	66	-0.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050525\
Data File : BP024538.D
Acq On : 05 May 2025 23:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 06 04:22:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 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\BP050525\
Data File : BP024538.D
Acq On : 05 May 2025 23:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 06 04:22:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 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	59	-0.01
2		1,4-Dioxane	40.000	36.636	8.4	54	-0.01
3		Pyridine	40.000	33.456	16.4	48	0.00
4		n-Nitrosodimethylamine	40.000	45.465	-13.7	65	-0.01
5	S	2-Fluorophenol	80.000	78.131	2.3	55	-0.01
6		Aniline	40.000	20.217	49.5#	28	-0.01
7	S	Phenol-d6	80.000	74.057	7.4	51	-0.01
8		2-Chlorophenol	40.000	38.372	4.1	54	-0.02
9		Benzaldehyde	40.000	43.117	-7.8	62	-0.02
10	C	Phenol	40.000	36.640	8.4	51	-0.02
11		bis(2-Chloroethyl)ether	40.000	40.770	-1.9	57	-0.02
12		1,3-Dichlorobenzene	40.000	37.788	5.5	54	-0.02
13	C	1,4-Dichlorobenzene	40.000	38.057	4.9	55	-0.02
14		1,2-Dichlorobenzene	40.000	37.524	6.2	54	-0.02
15		Benzyl Alcohol	40.000	36.679	8.3	50	-0.01
16		2,2'-oxybis(1-Chloropropane	40.000	34.488	13.8	48	-0.01
17		2-Methylphenol	40.000	38.015	5.0	53	-0.01
18		Hexachloroethane	40.000	39.049	2.4	56	-0.02
19	P	n-Nitroso-di-n-propylamine	40.000	35.803	10.5	50	-0.02
20		3+4-Methylphenols	40.000	37.844	5.4	52	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	56	-0.02
22		Acetophenone	40.000	38.995	2.5	52	-0.02
23	S	Nitrobenzene-d5	80.000	80.455	-0.6	53	-0.01
24		Nitrobenzene	40.000	39.960	0.1	53	-0.01
25		Isophorone	40.000	37.670	5.8	50	-0.01
26	C	2-Nitrophenol	40.000	41.958	-4.9	54	-0.01
27		2,4-Dimethylphenol	40.000	39.175	2.1	52	-0.01
28		bis(2-Chloroethoxy)methane	40.000	35.548	11.1	47	-0.02
29	C	2,4-Dichlorophenol	40.000	40.639	-1.6	53	0.00
30		1,2,4-Trichlorobenzene	40.000	40.122	-0.3	54	-0.02
31		Naphthalene	40.000	38.650	3.4	53	-0.02
32		Benzoic acid	40.000	33.686	15.8	48	0.00
33		4-Chloroaniline	40.000	27.396	31.5#	36	0.00
34	C	Hexachlorobutadiene	40.000	42.129	-5.3	57	-0.02
35		Caprolactam	40.000	40.077	-0.2	53	-0.01
36	C	4-Chloro-3-methylphenol	40.000	41.633	-4.1	55	0.00
37		2-Methylnaphthalene	40.000	38.737	3.2	52	-0.02
38		1-Methylnaphthalene	40.000	38.212	4.5	52	-0.01
39	I	Acenaphthene-d10	20.000	20.000	0.0	58	-0.01
40		1,2,4,5-Tetrachlorobenzene	40.000	39.705	0.7	55	-0.01
41	P	Hexachlorocyclopentadiene	40.000	40.904	-2.3	53	-0.02
42	S	2,4,6-Tribromophenol	80.000	91.806	-14.8	63	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.738	-1.8	55	-0.02
44		2,4,5-Trichlorophenol	40.000	41.016	-2.5	56	0.00
45	S	2-Fluorobiphenyl	80.000	78.174	2.3	54	-0.01
46		1,1'-Biphenyl	40.000	38.299	4.3	53	-0.02
47		2-Chloronaphthalene	40.000	38.636	3.4	54	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050525\
Data File : BP024538.D
Acq On : 05 May 2025 23:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 06 04:22:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	43.129	-7.8	58	0.00
49		Acenaphthylene	40.000	38.900	2.8	53	-0.01
50		Dimethylphthalate	40.000	39.837	0.4	56	-0.01
51		2,6-Dinitrotoluene	40.000	40.451	-1.1	55	-0.01
52	C	Acenaphthene	40.000	38.394	4.0	54	-0.02
53		3-Nitroaniline	40.000	40.307	-0.8	53	0.00
54	P	2,4-Dinitrophenol	40.000	41.385	-3.5	58	0.00
55		Dibenzofuran	40.000	38.583	3.5	54	-0.01
56	P	4-Nitrophenol	40.000	34.052	14.9	45	0.02
57		2,4-Dinitrotoluene	40.000	43.257	-8.1	59	0.00
58		Fluorene	40.000	38.874	2.8	56	-0.01
59		2,3,4,6-Tetrachlorophenol	40.000	41.024	-2.6	57	-0.01
60		Diethylphthalate	40.000	40.162	-0.4	56	-0.02
61		4-Chlorophenyl-phenylether	40.000	39.526	1.2	56	-0.01
62		4-Nitroaniline	40.000	37.109	7.2	50	0.00
63		Azobenzene	40.000	38.255	4.4	53	-0.01
64	I	Phenanthrene-d10	20.000	20.000	0.0	60	0.00
65		4,6-Dinitro-2-methylphenol	40.000	40.554	-1.4	58	0.00
66	c	n-Nitrosodiphenylamine	40.000	37.175	7.1	53	0.00
67		4-Bromophenyl-phenylether	40.000	40.045	-0.1	57	0.00
68		Hexachlorobenzene	40.000	41.456	-3.6	60	0.00
69		Atrazine	40.000	28.138	29.7#	53	0.00
70	C	Pentachlorophenol	40.000	41.249	-3.1	57	-0.01
71		Phenanthrene	40.000	37.798	5.5	55	0.00
72		Anthracene	40.000	38.944	2.6	55	0.00
73		Carbazole	40.000	38.707	3.2	55	-0.01
74		Di-n-butylphthalate	40.000	40.354	-0.9	55	-0.01
75	C	Fluoranthene	40.000	39.400	1.5	57	-0.01
76	I	Chrysene-d12	20.000	20.000	0.0	66	-0.02
77		Benzidine	40.000	11.320	71.7#	11	0.01
78		Pyrene	40.000	36.817	8.0	59	0.00
79	S	Terphenyl-d14	80.000	77.852	2.7	61	-0.01
80		Butylbenzylphthalate	40.000	38.892	2.8	58	0.00
81		Benzo(a)anthracene	40.000	38.739	3.2	61	-0.01
82		3,3'-Dichlorobenzidine	40.000	26.196	34.5#	39	0.00
83		Chrysene	40.000	38.021	4.9	61	-0.01
84		Bis(2-ethylhexyl)phthalate	40.000	38.807	3.0	57	-0.02
85	c	Di-n-octyl phthalate	40.000	40.324	-0.8	59	-0.03
86	I	Perylene-d12	20.000	20.000	0.0	69	-0.03
87		Indeno(1,2,3-cd)pyrene	40.000	39.590	1.0	66	-0.04
88		Benzo(b)fluoranthene	40.000	38.631	3.4	64	-0.04
89		Benzo(k)fluoranthene	40.000	38.777	3.1	64	-0.04
90	C	Benzo(a)pyrene	40.000	38.638	3.4	63	-0.03
91		Dibenzo(a,h)anthracene	40.000	39.573	1.1	65	-0.05
92		Benzo(g,h,i)perylene	40.000	39.697	0.8	66	-0.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050525\
Data File : BP024538.D
Acq On : 05 May 2025 23:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 06 04:22:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 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: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG No.: Q1883

Instrument ID: BNA_P Calibration Date/Time: 05/07/2025 10:08

Lab File ID: BP024558.D Init. Calib. Date(s): 04/14/2025 04/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:06 17:13

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.210	1.172		-3.1	
Phenol-d6	1.656	1.539		-7.1	
Nitrobenzene-d5	0.351	0.344		-2.0	
Naphthalene	1.054	1.016		-3.6	
2-Methylnaphthalene	0.731	0.708		-3.1	
2-Fluorobiphenyl	1.306	1.341		2.7	
Acenaphthylene	1.730	1.678		-3.0	
Acenaphthene	1.097	1.049		-4.4	20.0
Fluorene	1.388	1.335		-3.8	
2,4,6-Tribromophenol	0.277	0.314		13.4	
Phenanthrene	1.091	1.034		-5.2	
Anthracene	1.052	1.027		-2.4	
Fluoranthene	1.298	1.171		-9.8	20.0
Pyrene	1.271	1.347		6.0	
Terphenyl-d14	0.992	1.111		12.0	
Benzo(a)anthracene	1.243	1.187		-4.5	
Chrysene	1.191	1.126		-5.5	
Benzo(b)fluoranthene	1.199	1.187		-1.0	
Benzo(k)fluoranthene	1.158	1.134		-2.1	
Benzo(a)pyrene	1.034	1.004		-2.9	20.0
Indeno(1,2,3-cd)pyrene	1.388	1.322		-4.8	
Dibenzo(a,h)anthracene	1.152	1.101		-4.4	
Benzo(g,h,i)perylene	1.173	1.113		-5.1	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050725\
Data File : BP024558.D
Acq On : 07 May 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: May 07 12:26:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.699	152	212497	20.000	ng	-0.02
21) Naphthalene-d8	10.469	136	880474	20.000	ng	#-0.03
39) Acenaphthene-d10	14.334	164	543552	20.000	ng	-0.02
64) Phenanthrene-d10	17.133	188	1025819	20.000	ng	-0.01
76) Chrysene-d12	21.574	240	907323	20.000	ng	#-0.02
86) Perylene-d12	24.892	264	884811	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	996481	77.537	ng	-0.02
7) Phenol-d6	6.893	99	1308116	74.335	ng	-0.02
23) Nitrobenzene-d5	8.852	82	1212231	78.506	ng	-0.02
42) 2,4,6-Tribromophenol	15.857	330	682599	90.767	ng	0.00
45) 2-Fluorobiphenyl	12.945	172	2915655	82.130	ng	-0.02
79) Terphenyl-d14	19.857	244	4033863	89.613	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.281	88	193608	35.616	ng	# 94
3) Pyridine	3.675	79	477611	33.273	ng	93
4) n-Nitrosodimethylamine	3.587	42	206270	43.299	ng	# 76
6) Aniline	7.040	93	552489	35.134	ng	98
8) 2-Chlorophenol	7.281	128	551245	38.418	ng	99
9) Benzaldehyde	6.858	77	348365	40.020	ng	97
10) Phenol	6.922	94	651431	36.902	ng	92
11) bis(2-Chloroethyl)ether	7.134	93	503764	35.419	ng	98
12) 1,3-Dichlorobenzene	7.593	146	588517	38.098	ng	99
13) 1,4-Dichlorobenzene	7.734	146	597099	38.096	ng	99
14) 1,2-Dichlorobenzene	8.052	146	574913	37.987	ng	98
15) Benzyl Alcohol	7.946	79	462647	40.653	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.216	45	555953	36.162	ng	99
17) 2-Methylphenol	8.152	107	439616	38.496	ng	97
18) Hexachloroethane	8.769	117	224374	39.613	ng	98
19) n-Nitroso-di-n-propyla...	8.505	70	408326	37.506	ng	95
20) 3+4-Methylphenols	8.475	107	612730	38.669	ng	98
22) Acetophenone	8.516	105	845097	38.780	ng	# 97
24) Nitrobenzene	8.893	77	589037	38.562	ng	99
25) Isophorone	9.416	82	1074123	38.431	ng	97
26) 2-Nitrophenol	9.593	139	325929	43.601	ng	94
27) 2,4-Dimethylphenol	9.663	122	373359	39.777	ng	99
28) bis(2-Chloroethoxy)met...	9.887	93	685348	36.298	ng	99
29) 2,4-Dichlorophenol	10.134	162	525754	41.081	ng	100
30) 1,2,4-Trichlorobenzene	10.340	180	549684	40.087	ng	98
31) Naphthalene	10.522	128	1789050	38.574	ng	100
32) Benzoic acid	9.840	122	408256	37.328	ng	99
33) 4-Chloroaniline	10.640	127	630538	38.605	ng	99
34) Hexachlorobutadiene	10.804	225	349038	43.318	ng	98
35) Caprolactam	11.434	113	175740	37.215	ng	95
36) 4-Chloro-3-methylphenol	11.775	107	614810	41.244	ng	98
37) 2-Methylnaphthalene	12.134	142	1247363	38.780	ng	97
38) 1-Methylnaphthalene	12.357	142	1208134	38.394	ng	98
40) 1,2,4,5-Tetrachloroben...	12.504	216	632356	42.304	ng	99
41) Hexachlorocyclopentadiene	12.481	237	217481	41.138	ng	99
43) 2,4,6-Trichlorophenol	12.751	196	425615	42.827	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050725\
Data File : BP024558.D
Acq On : 07 May 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: May 07 12:26:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

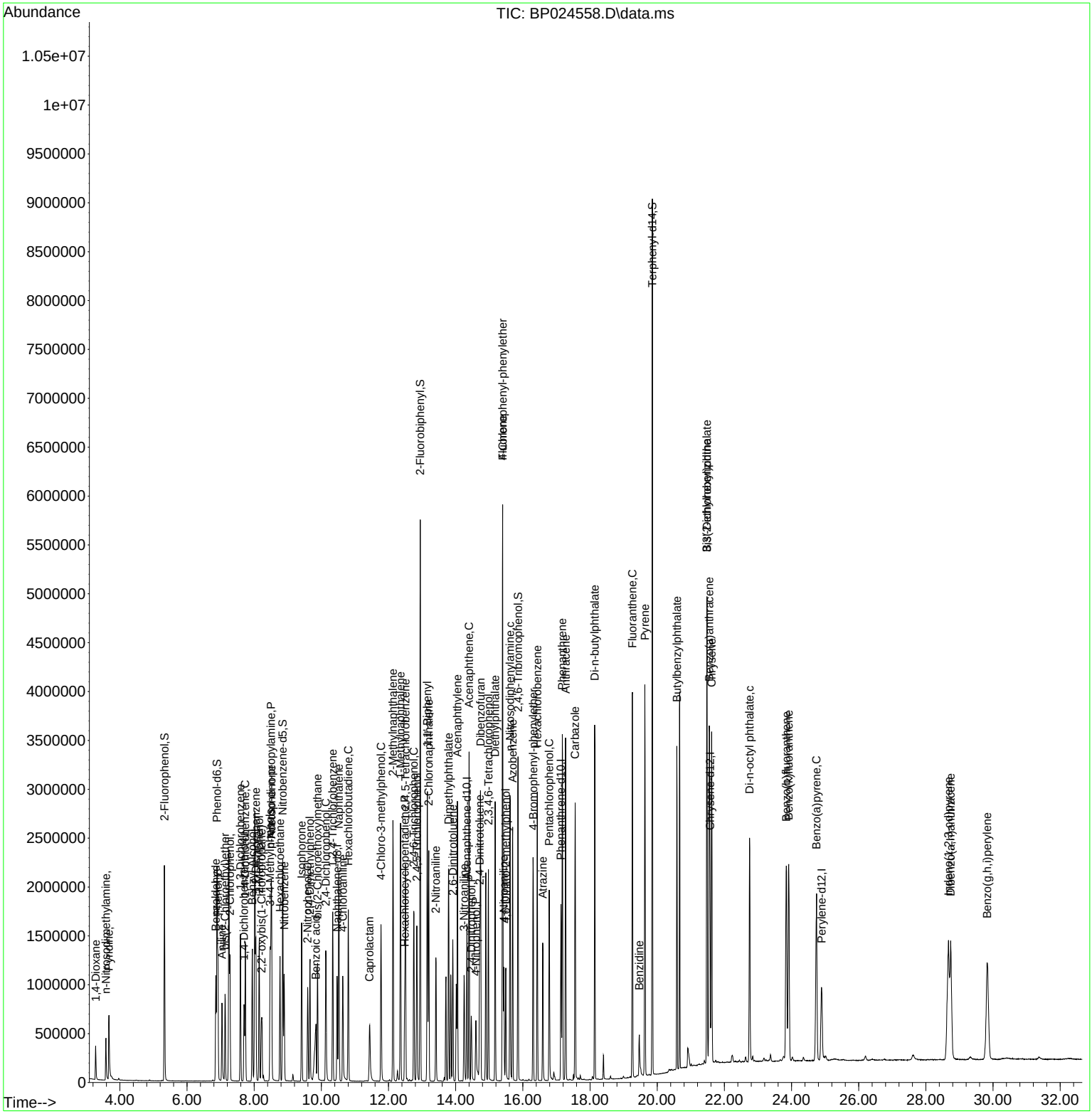
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.845	196	459028	41.710	ng		98
46) 1,1'-Biphenyl	13.157	154	1585069	39.672	ng		98
47) 2-Chloronaphthalene	13.198	162	1174058	39.317	ng		98
48) 2-Nitroaniline	13.410	65	343699	41.033	ng		94
49) Acenaphthylene	14.051	152	1824004	38.797	ng		99
50) Dimethylphthalate	13.787	163	1534513	38.821	ng		99
51) 2,6-Dinitrotoluene	13.916	165	336243	40.059	ng		96
52) Acenaphthene	14.398	154	1140518	38.265	ng		99
53) 3-Nitroaniline	14.251	138	330060	37.414	ng		99
54) 2,4-Dinitrophenol	14.469	184	190627	38.555	ng		95
55) Dibenzofuran	14.739	168	1848148	37.935	ng		96
56) 4-Nitrophenol	14.604	139	254697	33.429	ng		91
57) 2,4-Dinitrotoluene	14.716	165	460860	40.250	ng		98
58) Fluorene	15.398	166	1451582	38.488	ng		100
59) 2,3,4,6-Tetrachlorophenol	14.975	232	406546	40.053	ng		98
60) Diethylphthalate	15.175	149	1589874	39.030	ng		99
61) 4-Chlorophenyl-phenyle...	15.398	204	731849	39.960	ng		98
62) 4-Nitroaniline	15.434	138	338145	36.208	ng		85
63) Azobenzene	15.698	77	1376020	36.753	ng		96
65) 4,6-Dinitro-2-methylph...	15.492	198	265277	41.018	ng		97
66) n-Nitrosodiphenylamine	15.616	169	1227248	40.082	ng		99
67) 4-Bromophenyl-phenylether	16.310	248	487541	43.456	ng		99
68) Hexachlorobenzene	16.428	284	590949	44.327	ng		97
69) Atrazine	16.592	200	285042	36.552	ng		98
70) Pentachlorophenol	16.786	266	388182	41.738	ng		99
71) Phenanthrene	17.175	178	2120420	37.891	ng		99
72) Anthracene	17.275	178	2107623	39.077	ng		99
73) Carbazole	17.557	167	1916868	36.374	ng		99
74) Di-n-butylphthalate	18.139	149	2604486	39.669	ng		100
75) Fluoranthene	19.263	202	2401730	36.086	ng		97
77) Benzidine	19.469	184	360302	31.328	ng		98
78) Pyrene	19.633	202	2444395	42.392	ng		99
80) Butylbenzylphthalate	20.586	149	1018145	41.224	ng		98
81) Benzo(a)anthracene	21.551	228	2153349	38.183	ng		99
82) 3,3'-Dichlorobenzidine	21.480	252	715898	36.167	ng		99
83) Chrysene	21.621	228	2043866	37.829	ng		100
84) Bis(2-ethylhexyl)phtha...	21.480	149	1356273	37.460	ng		99
85) Di-n-octyl phthalate	22.751	149	2107005	35.797	ng		100
87) Indeno(1,2,3-cd)pyrene	28.674	276	2340231m	38.097	ng		
88) Benzo(b)fluoranthene	23.845	252	2100384m	39.603	ng		
89) Benzo(k)fluoranthene	23.915	252	2006713	39.171	ng		98
90) Benzo(a)pyrene	24.745	252	1777452	38.852	ng	#	97
91) Dibenzo(a,h)anthracene	28.739	278	1948616	38.218	ng		98
92) Benzo(g,h,i)perylene	29.827	276	1968741	37.936	ng	#	95

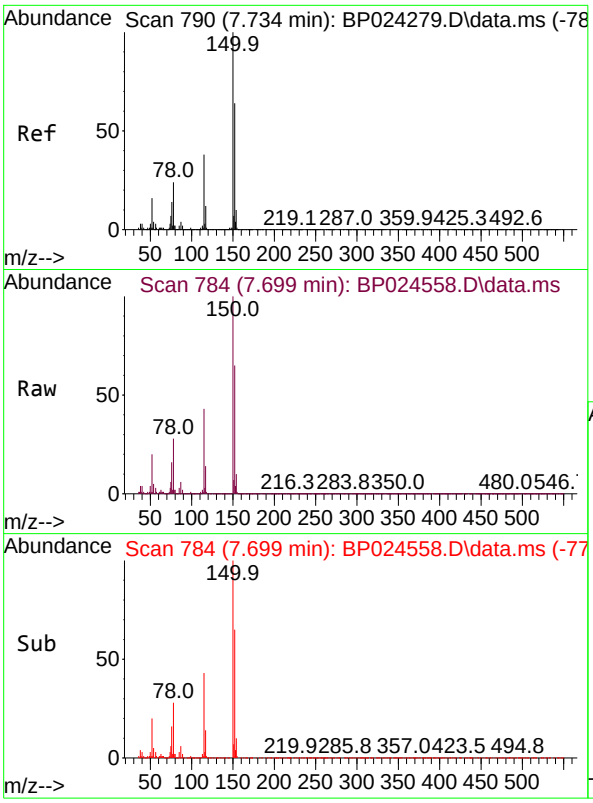
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050725\
Data File : BP024558.D
Acq On : 07 May 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: May 07 12:26:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration



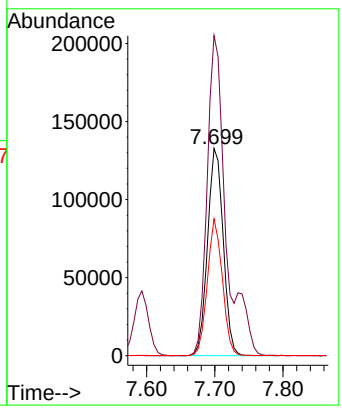


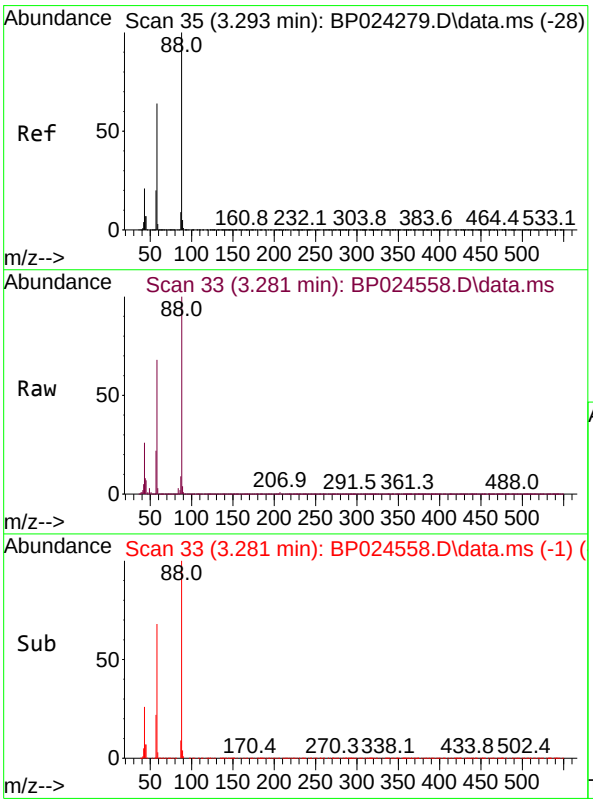
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.699 min Scan# 7
Delta R.T. -0.023 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 212497

Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.9	187.3
115	66.1	47.7	71.5

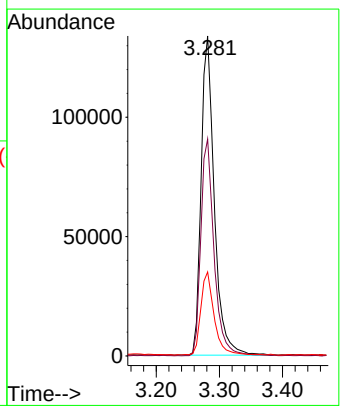


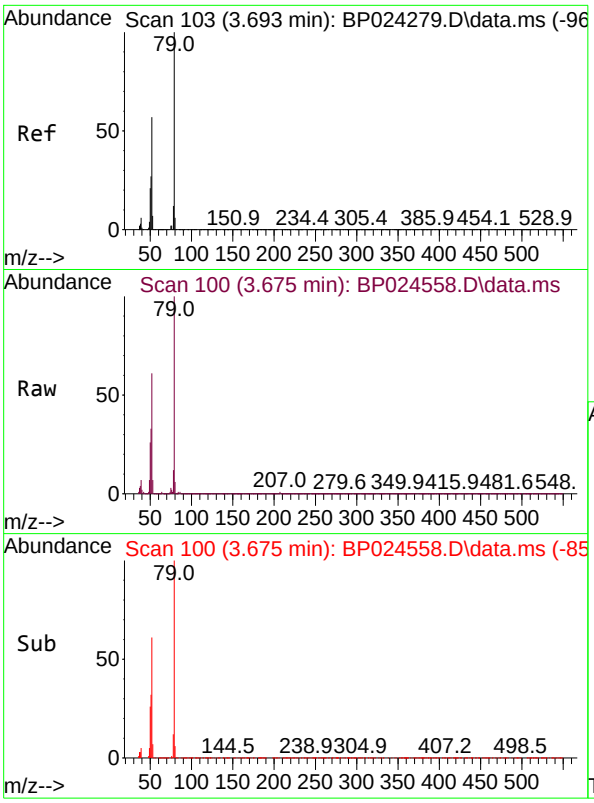


#2
1,4-Dioxane
Concen: 35.616 ng
RT: 3.281 min Scan# 33
Delta R.T. -0.006 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion: 88 Resp: 193608

Ion	Ratio	Lower	Upper
88	100		
58	68.1	51.4	77.2
43	26.3	17.1	25.7#



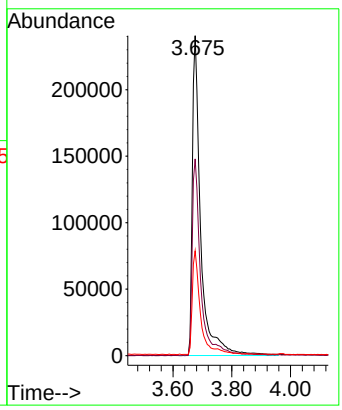


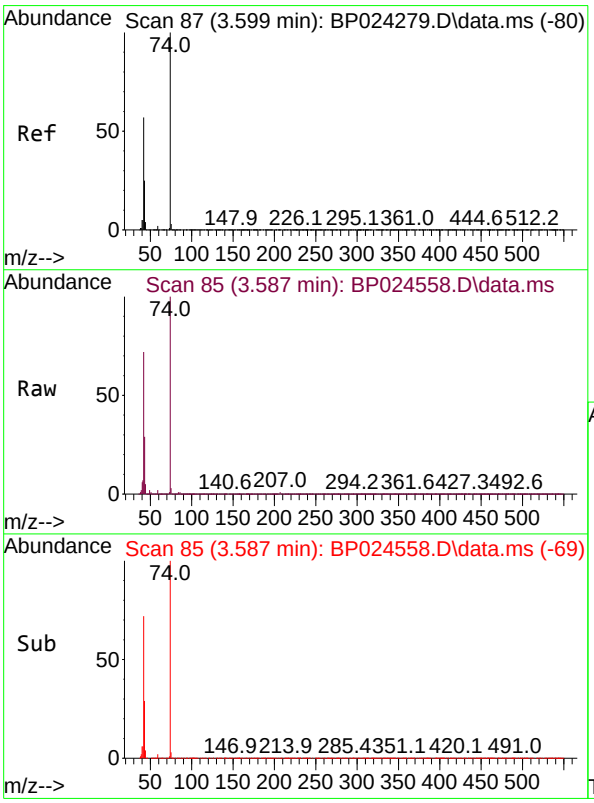
#3
Pyridine
Concen: 33.273 ng
RT: 3.675 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 477611

Ion	Ratio	Lower	Upper
79	100		
52	61.5	45.4	68.2
51	32.7	22.6	33.8

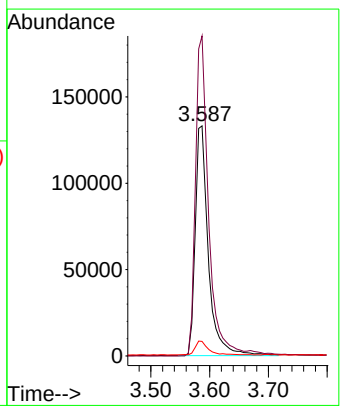


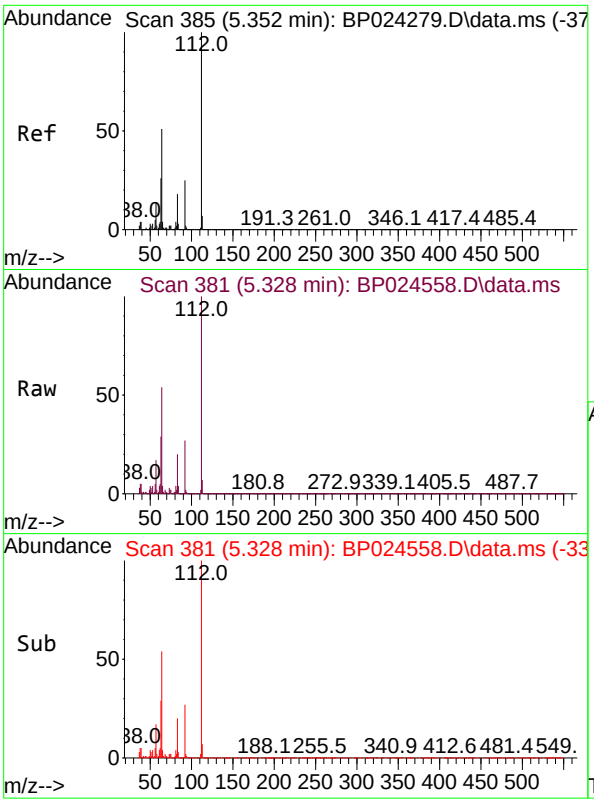


#4
n-Nitrosodimethylamine
Concen: 43.299 ng
RT: 3.587 min Scan# 85
Delta R.T. -0.006 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion: 42 Resp: 206270

Ion	Ratio	Lower	Upper
42	100		
74	139.1	139.5	209.3#
44	6.3	5.8	8.8



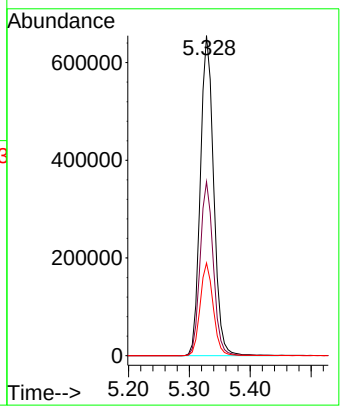


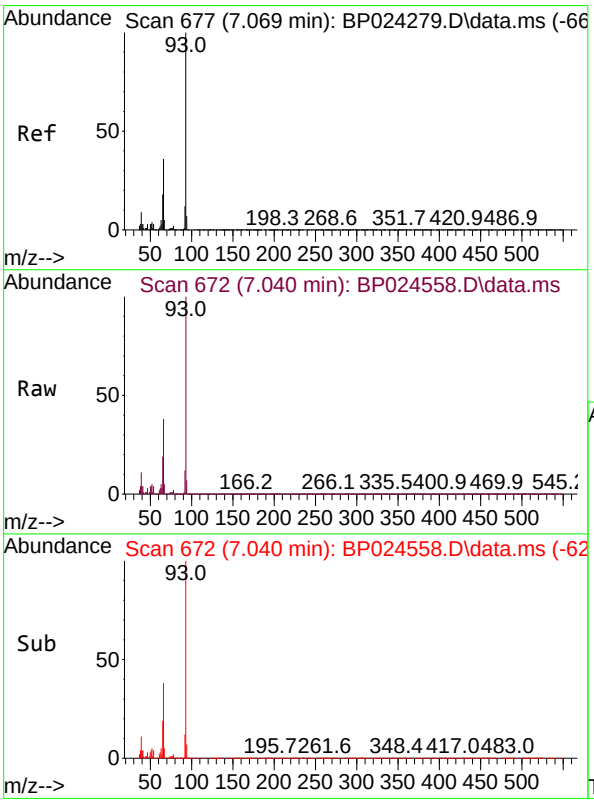
#5
2-Fluorophenol
Concen: 77.537 ng
RT: 5.328 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 996481

Ion	Ratio	Lower	Upper
112	100		
64	54.4	41.1	61.7
63	28.9	20.6	30.8

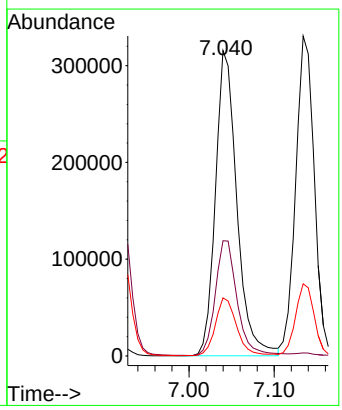


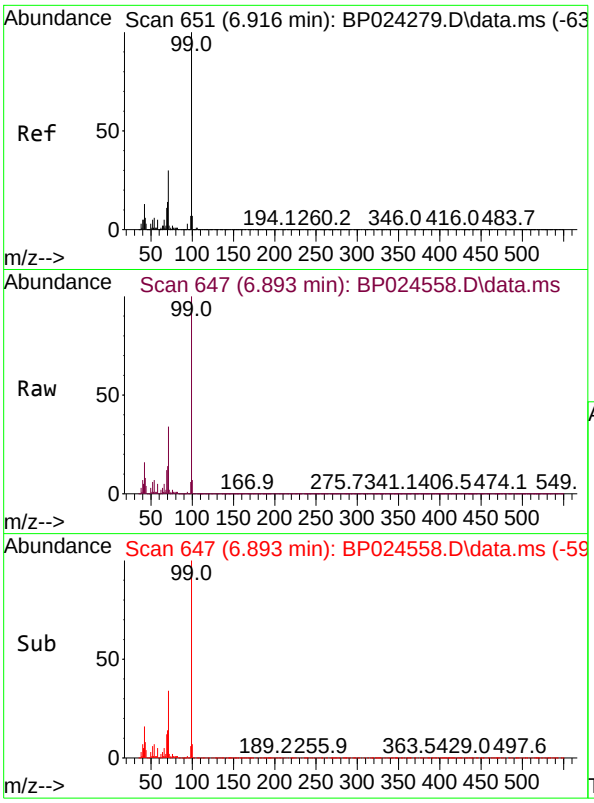


#6
Aniline
Concen: 35.134 ng
RT: 7.040 min Scan# 672
Delta R.T. -0.023 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion: 93 Resp: 552489

Ion	Ratio	Lower	Upper
93	100		
66	37.7	29.1	43.7
65	19.0	14.7	22.1



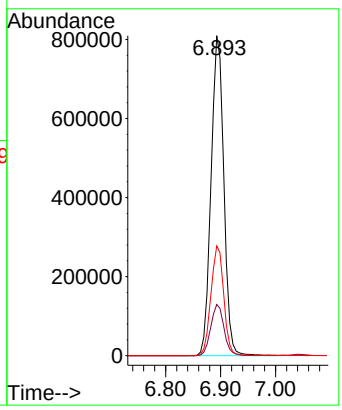


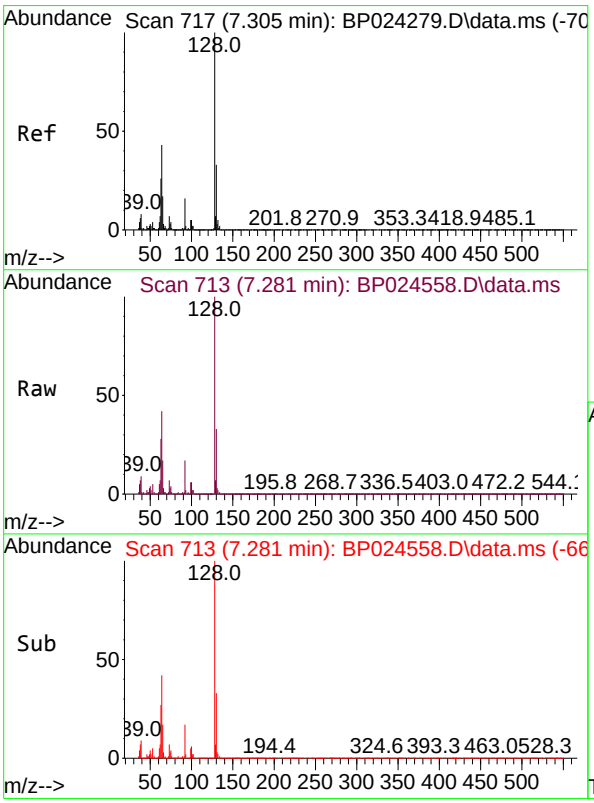
#7
Phenol-d6
Concen: 74.335 ng
RT: 6.893 min Scan# 64
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 1308116

Ion	Ratio	Lower	Upper
99	100		
42	16.0	10.6	16.0#
71	34.3	23.7	35.5

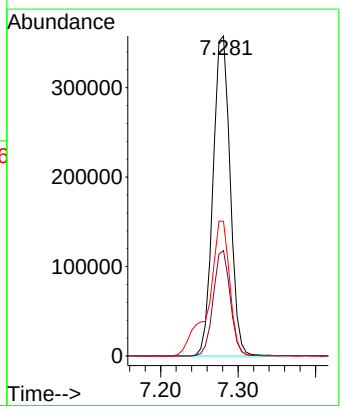


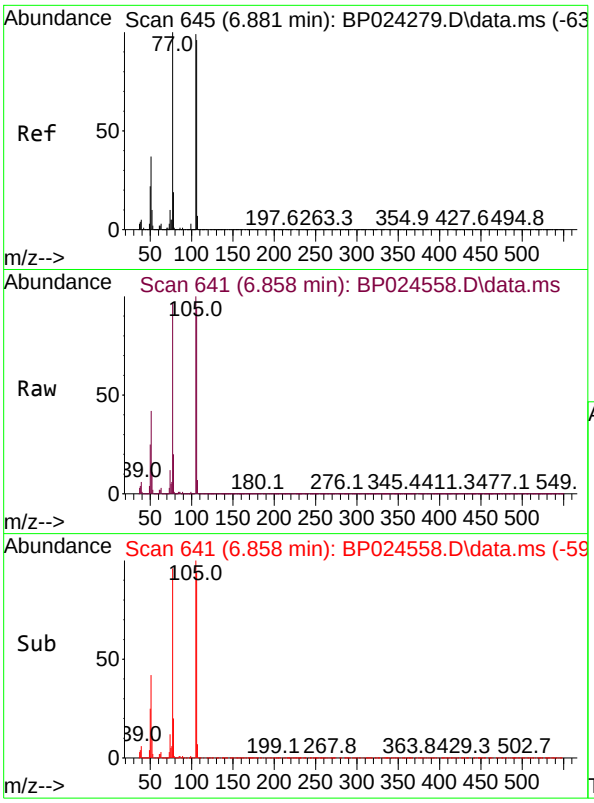


#8
2-Chlorophenol
Concen: 38.418 ng
RT: 7.281 min Scan# 713
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:128 Resp: 551245

Ion	Ratio	Lower	Upper
128	100		
130	33.0	12.9	52.9
64	42.1	22.7	62.7



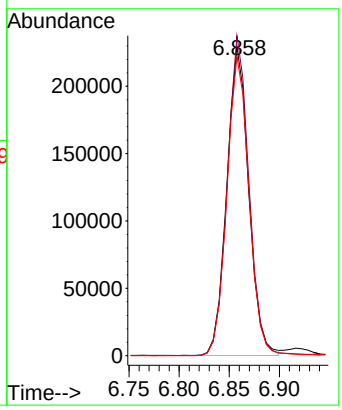


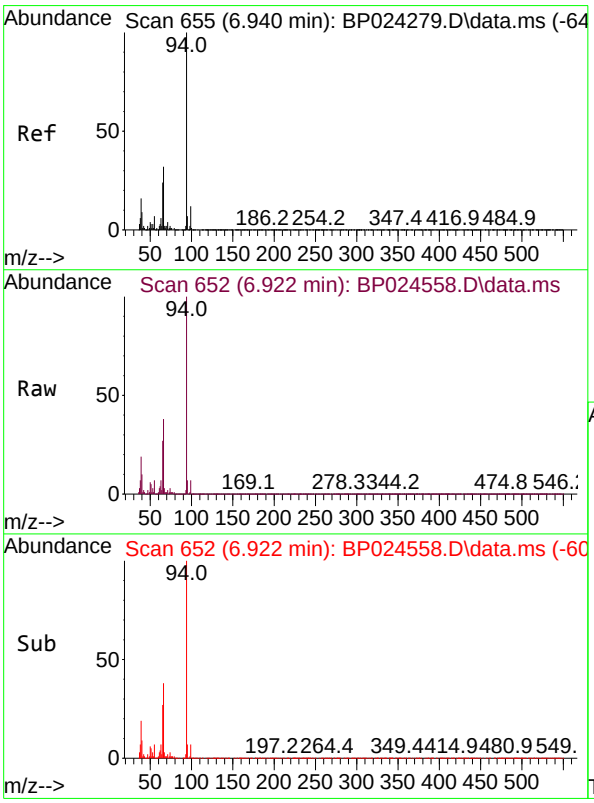
#9
Benzaldehyde
Concen: 40.020 ng
RT: 6.858 min Scan# 64
Delta R.T. -0.023 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 348365

Ion	Ratio	Lower	Upper
77	100		
105	103.6	79.2	119.2
106	96.8	76.2	116.2

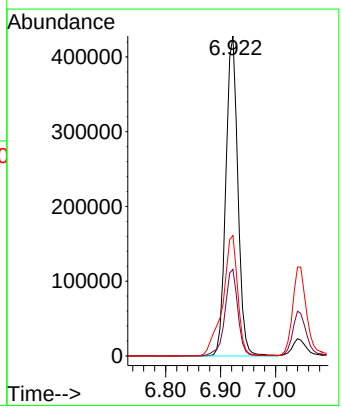


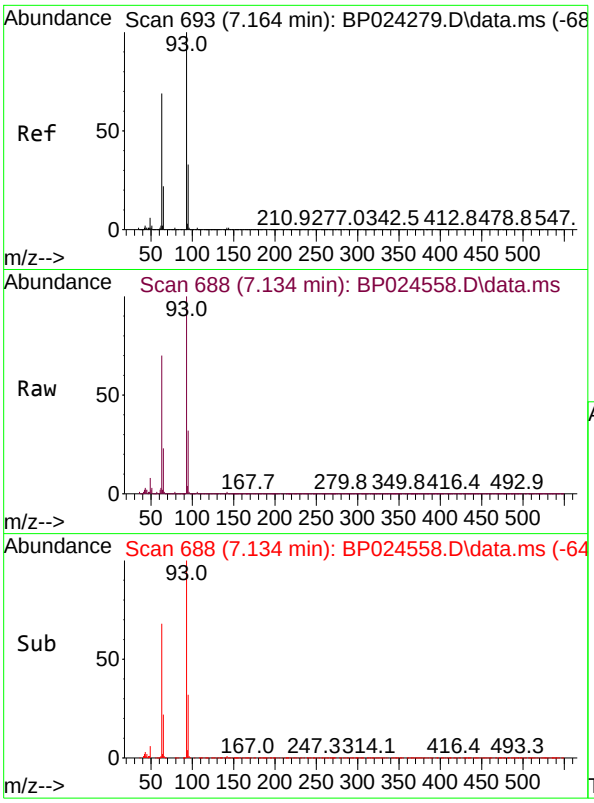


#10
Phenol
Concen: 36.902 ng
RT: 6.922 min Scan# 652
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion: 94 Resp: 651431

Ion	Ratio	Lower	Upper
94	100		
65	27.1	4.5	44.5
66	37.6	12.4	52.4



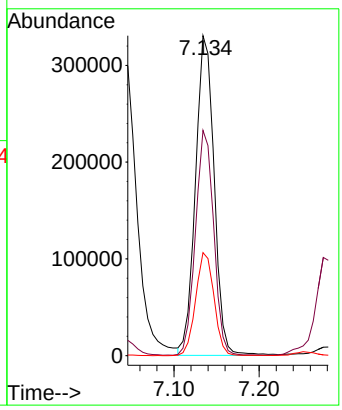


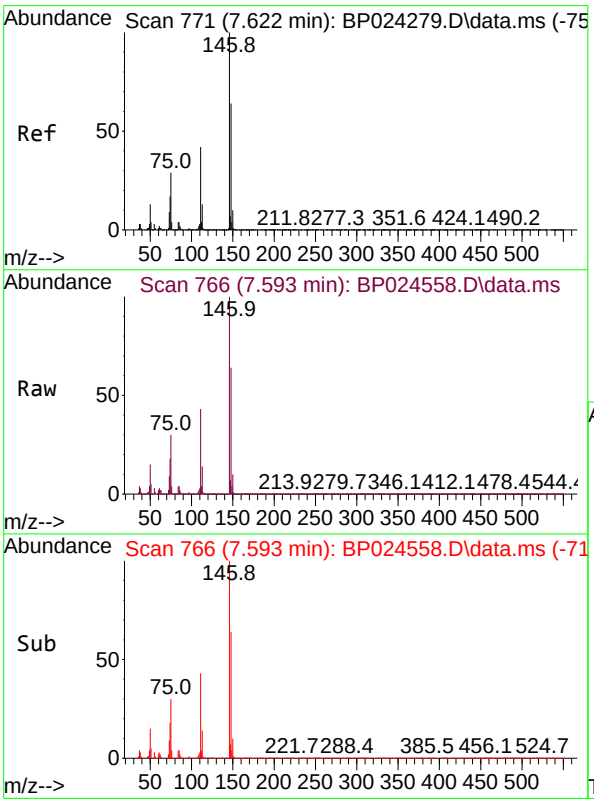
#11
bis(2-Chloroethyl)ether
Concen: 35.419 ng
RT: 7.134 min Scan# 6
Delta R.T. -0.023 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 503764

Ion	Ratio	Lower	Upper
93	100		
63	70.4	48.6	88.6
95	32.2	12.3	52.3

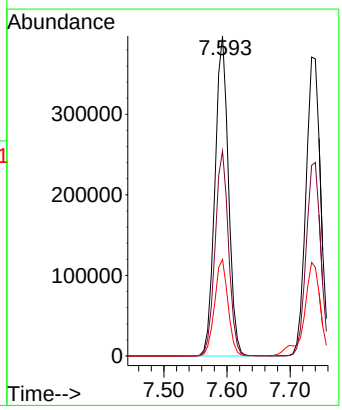


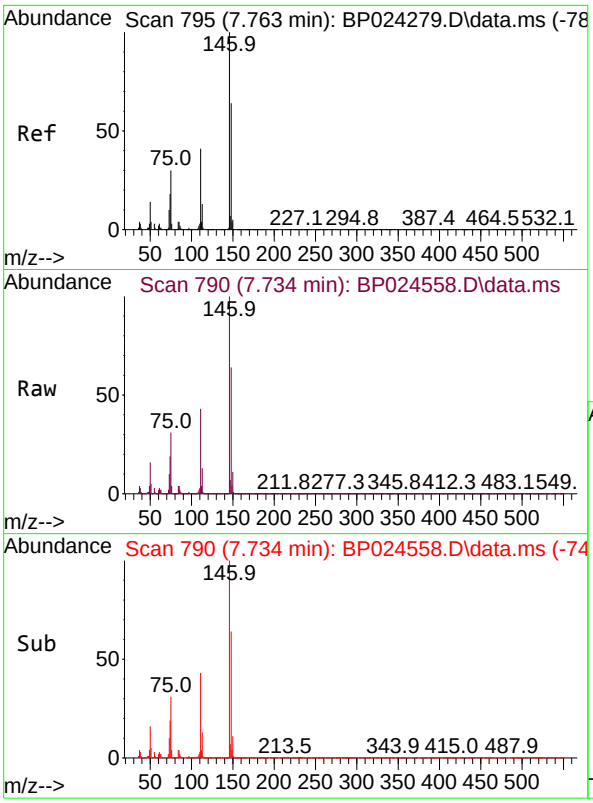


#12
1,3-Dichlorobenzene
Concen: 38.098 ng
RT: 7.593 min Scan# 766
Delta R.T. -0.023 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:146 Resp: 588517

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.4	77.0
75	30.2	22.9	34.3



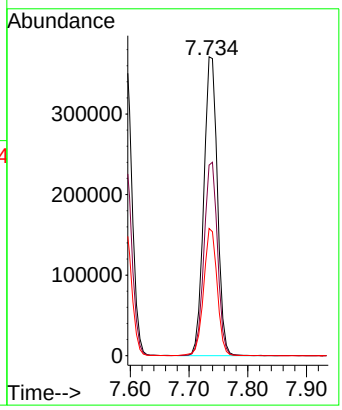


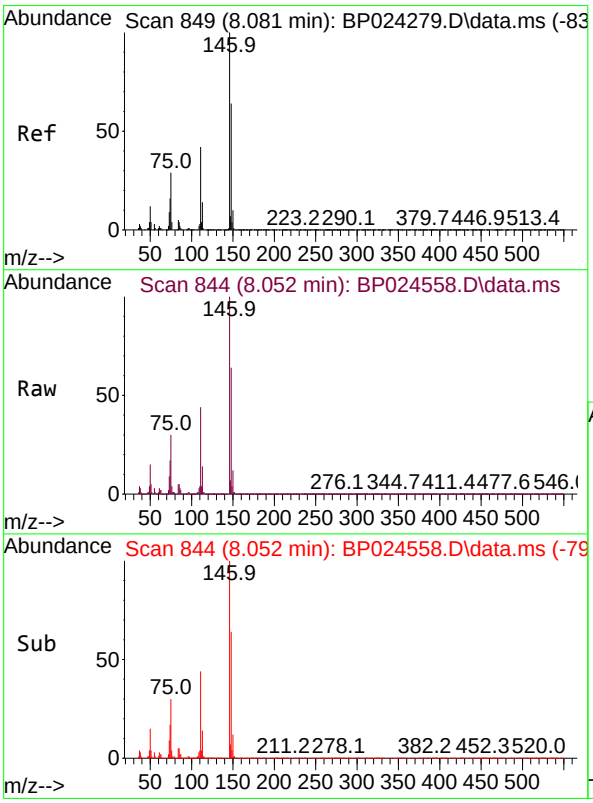
#13
1,4-Dichlorobenzene
Concen: 38.096 ng
RT: 7.734 min Scan# 7
Delta R.T. -0.023 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 597099

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.1	76.7
111	42.6	32.6	48.8

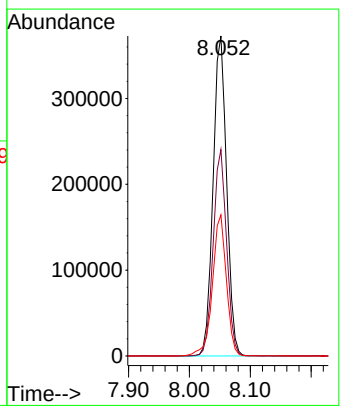


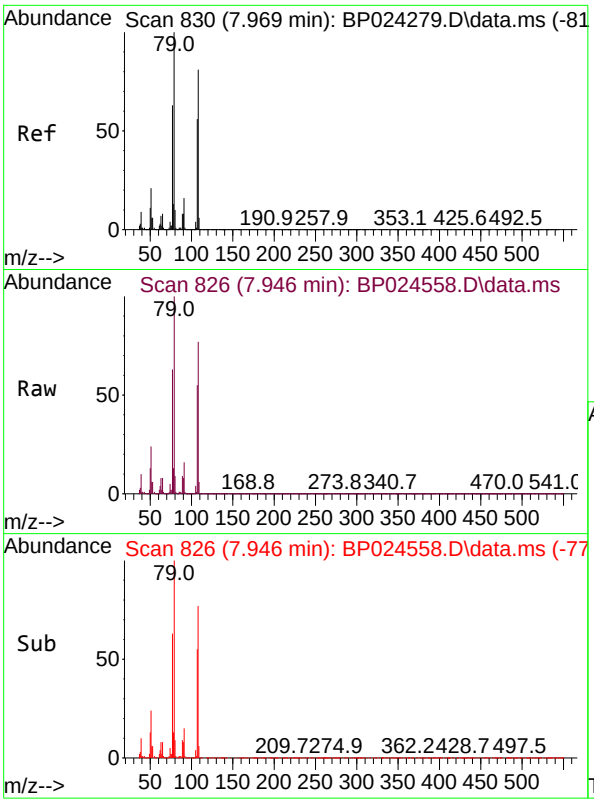


#14
1,2-Dichlorobenzene
Concen: 37.987 ng
RT: 8.052 min Scan# 844
Delta R.T. -0.023 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:146 Resp: 574913

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.0	76.4
111	44.1	33.8	50.8



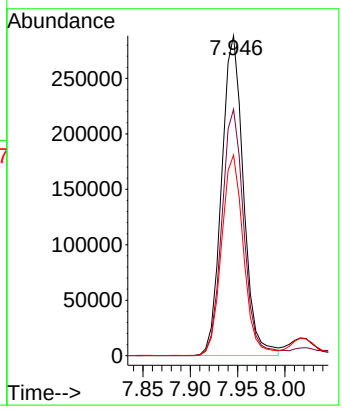


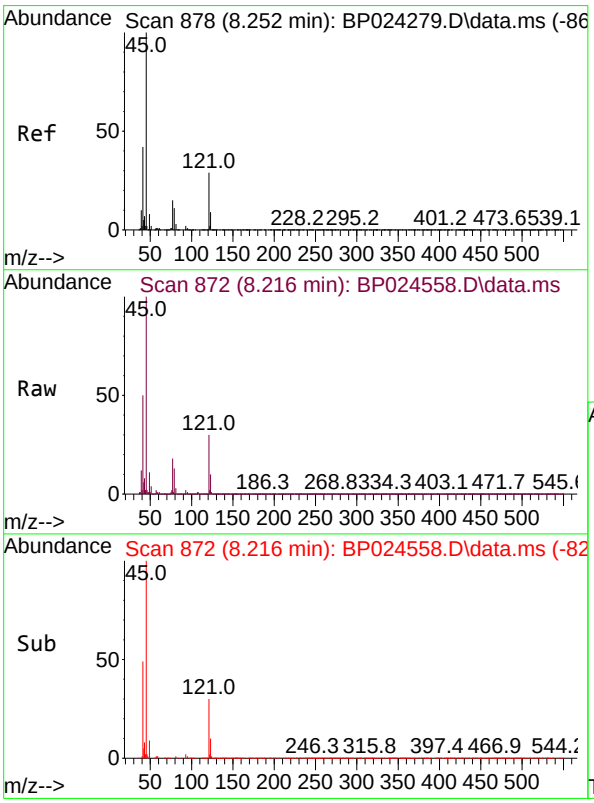
#15
Benzyl Alcohol
Concen: 40.653 ng
RT: 7.946 min Scan# 8
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 462647

Ion	Ratio	Lower	Upper
79	100		
108	77.0	65.1	97.7
77	62.7	50.7	76.1

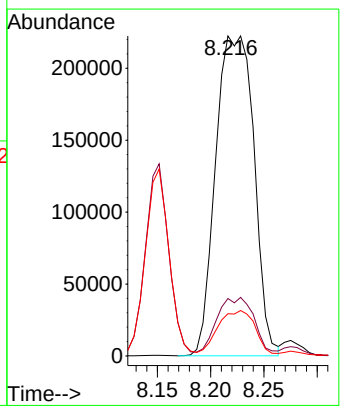


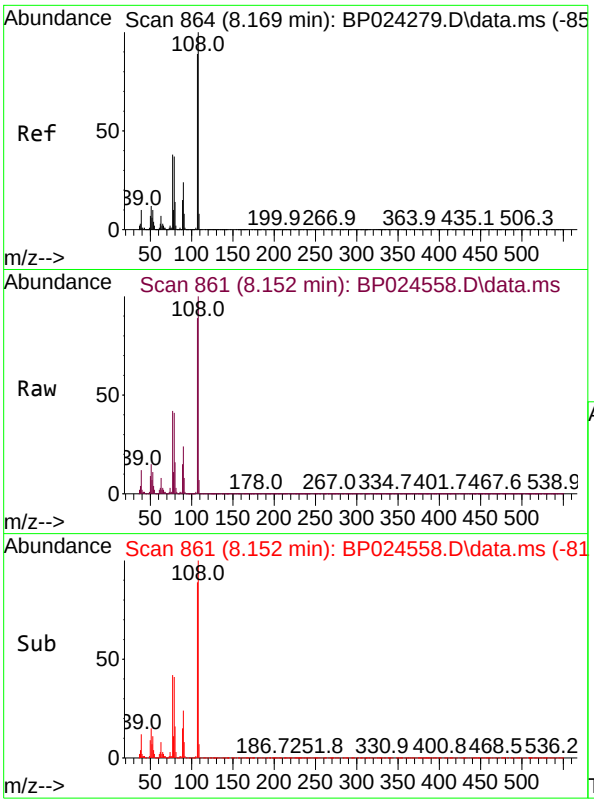


#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.162 ng
RT: 8.216 min Scan# 872
Delta R.T. -0.029 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion: 45 Resp: 555953

Ion	Ratio	Lower	Upper
45	100		
77	17.9	0.0	37.7
79	13.2	0.0	33.5



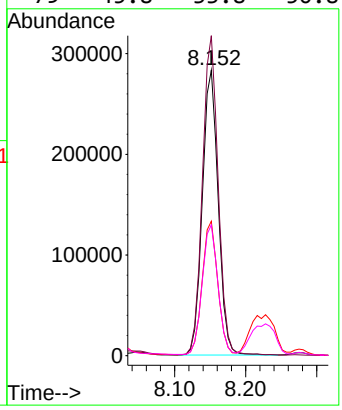


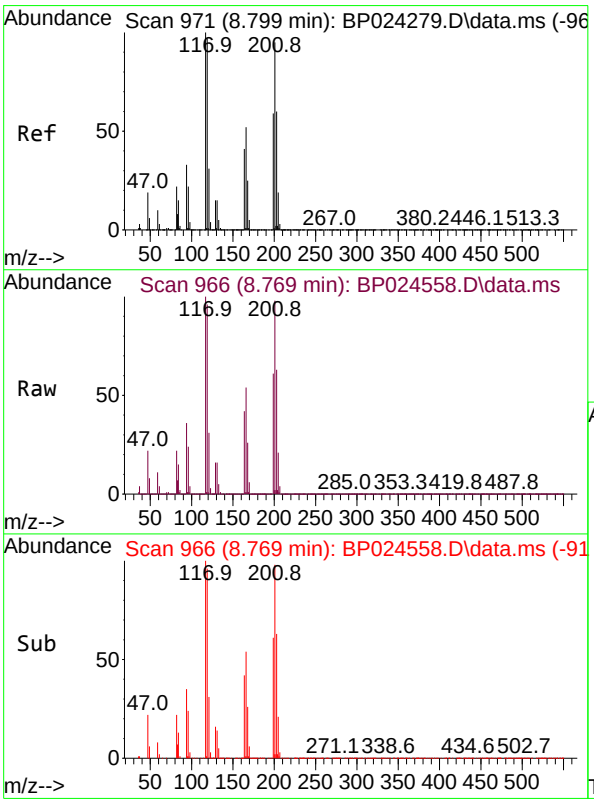
#17
2-Methylphenol
Concen: 38.496 ng
RT: 8.152 min Scan# 8
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 439616

Ion	Ratio	Lower	Upper
107	100		
108	112.1	89.8	134.6
77	47.1	34.2	51.4
79	45.8	33.8	50.8

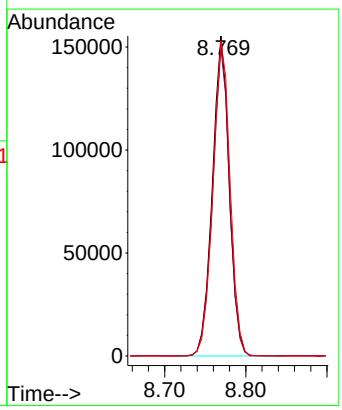


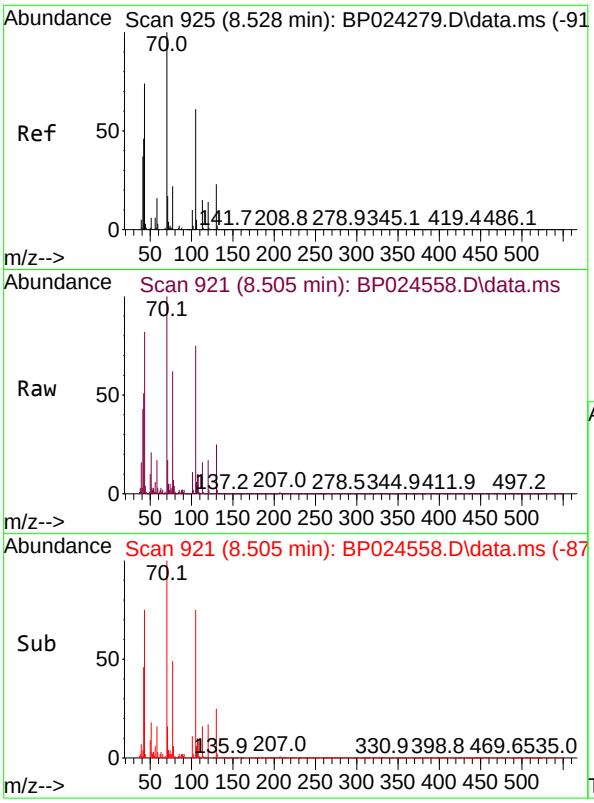


#18
Hexachloroethane
Concen: 39.613 ng
RT: 8.769 min Scan# 966
Delta R.T. -0.023 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:117 Resp: 224374

Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.8	116.6
201	98.3	75.9	113.9



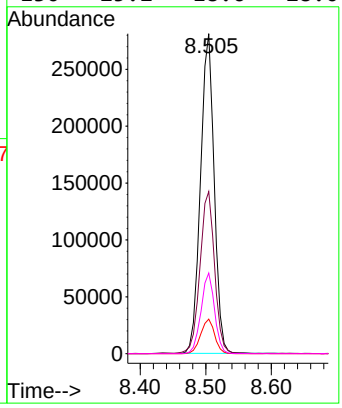


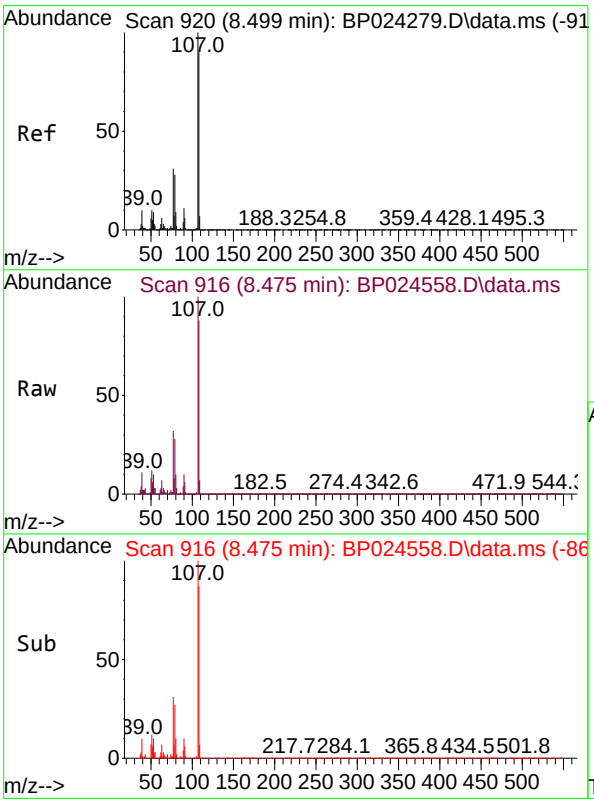
#19
n-Nitroso-di-n-propylamine
Concen: 37.506 ng
RT: 8.505 min Scan# 9
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 408326

Ion	Ratio	Lower	Upper
70	100		
42	50.6	37.3	55.9
101	10.8	8.2	12.4
130	25.2	18.6	28.0

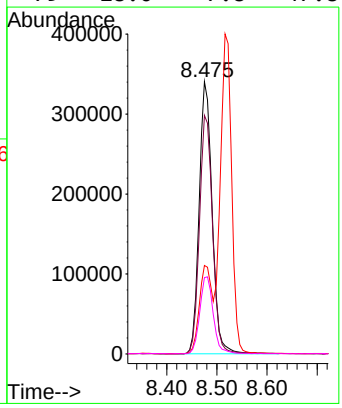


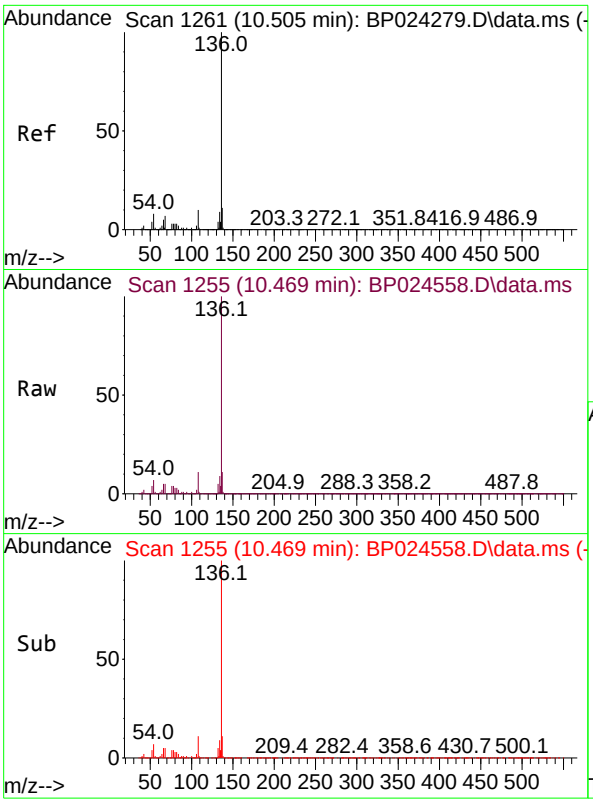


#20
3+4-Methylphenols
Concen: 38.669 ng
RT: 8.475 min Scan# 916
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:107 Resp: 612730

Ion	Ratio	Lower	Upper
107	100		
108	87.6	69.8	109.8
77	32.5	11.5	51.5
79	28.0	7.8	47.8



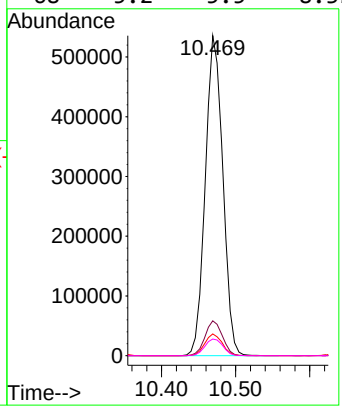


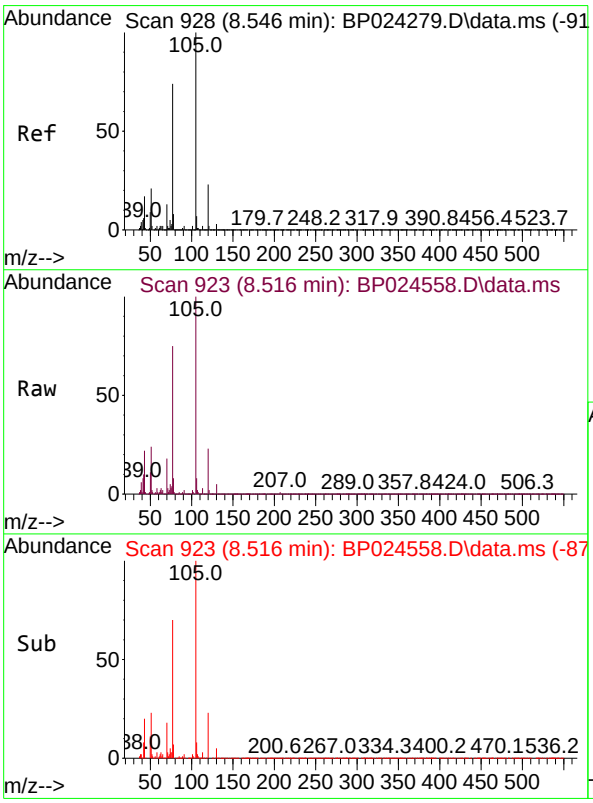
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.469 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 880474

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	6.8	6.0	9.0
68	5.2	5.5	8.3#

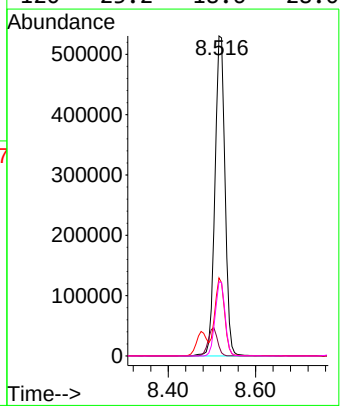


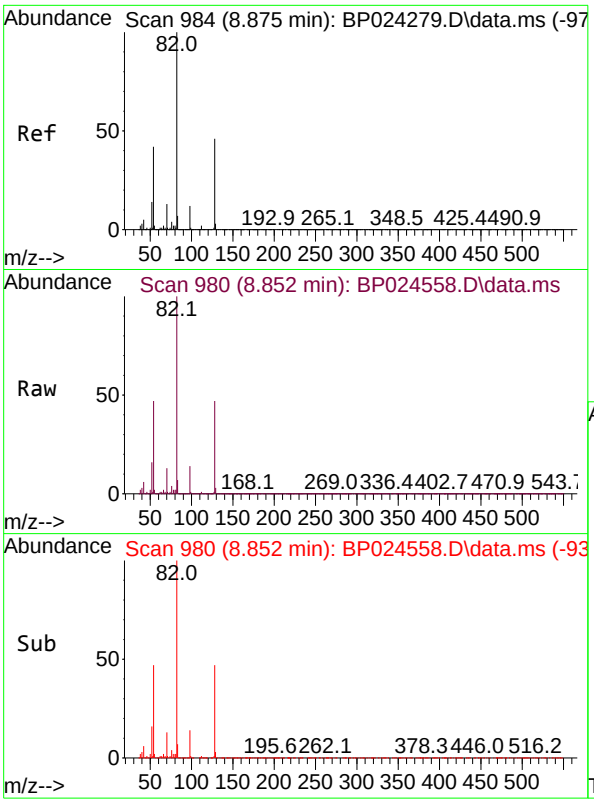


#22
Acetophenone
Concen: 38.780 ng
RT: 8.516 min Scan# 923
Delta R.T. -0.023 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:105 Resp: 845097

Ion	Ratio	Lower	Upper
105	100		
71	3.0	1.7	2.5#
51	24.4	16.9	25.3
120	23.2	18.6	28.0



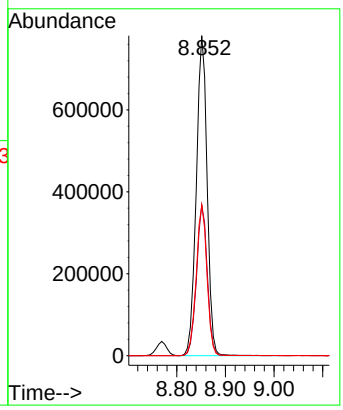


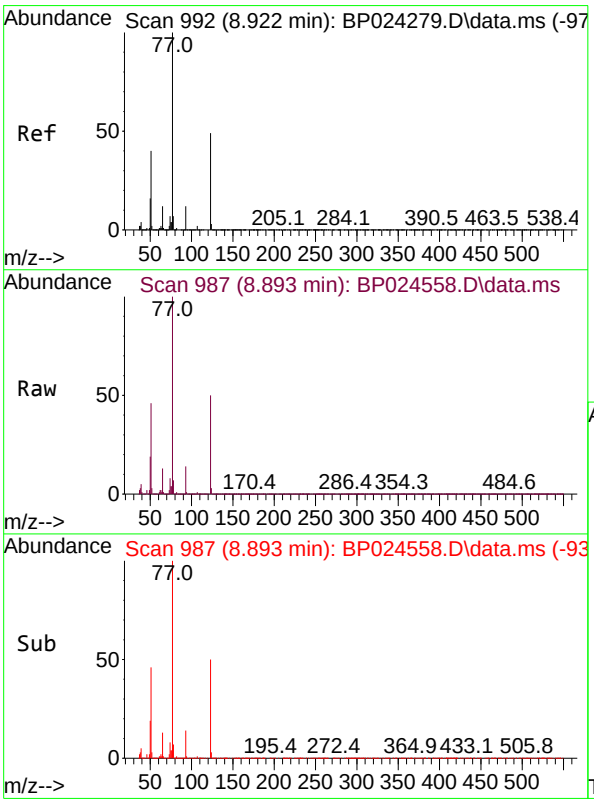
#23
Nitrobenzene-d5
Concen: 78.506 ng
RT: 8.852 min Scan# 9
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1212231

Ion	Ratio	Lower	Upper
82	100		
128	47.1	36.5	54.7
54	47.1	33.4	50.2

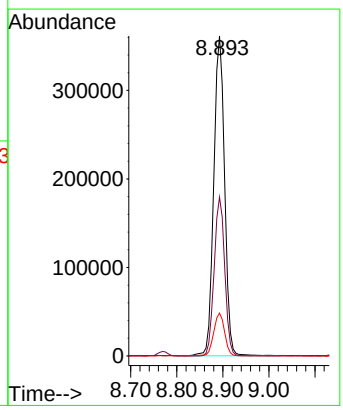


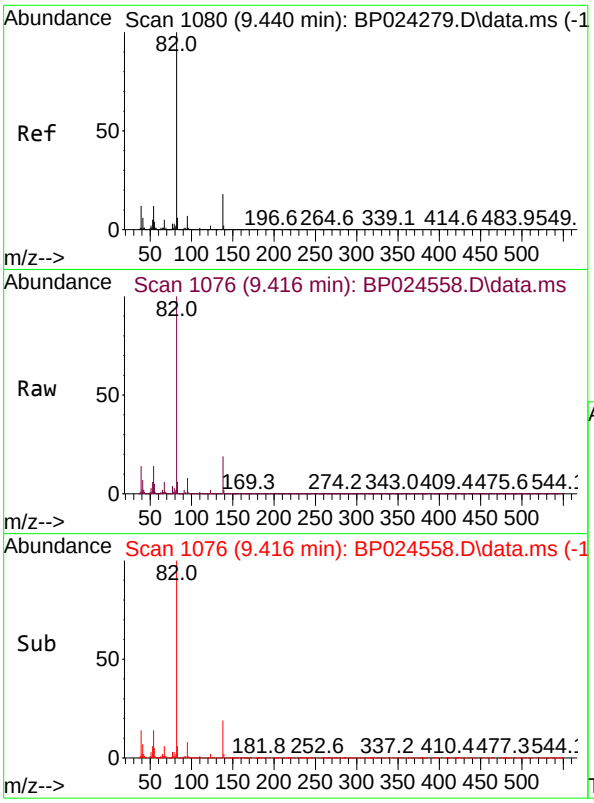


#24
Nitrobenzene
Concen: 38.562 ng
RT: 8.893 min Scan# 987
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion: 77 Resp: 589037

Ion	Ratio	Lower	Upper
77	100		
123	49.6	39.2	58.8
65	13.4	9.8	14.6



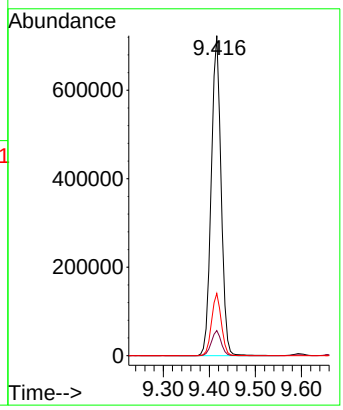


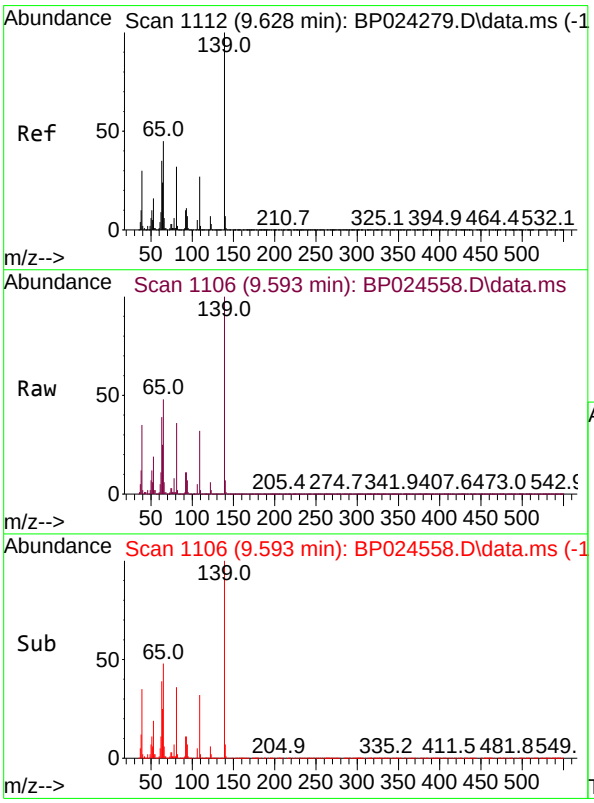
#25
Isophorone
Concen: 38.431 ng
RT: 9.416 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1074123

Ion	Ratio	Lower	Upper
82	100		
95	7.8	5.4	8.2
138	19.5	14.4	21.6

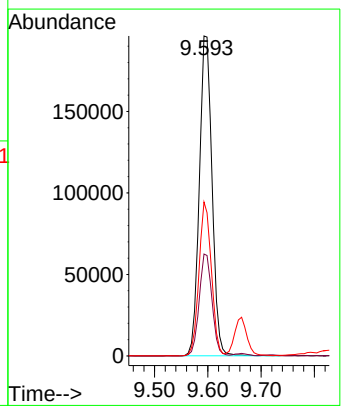


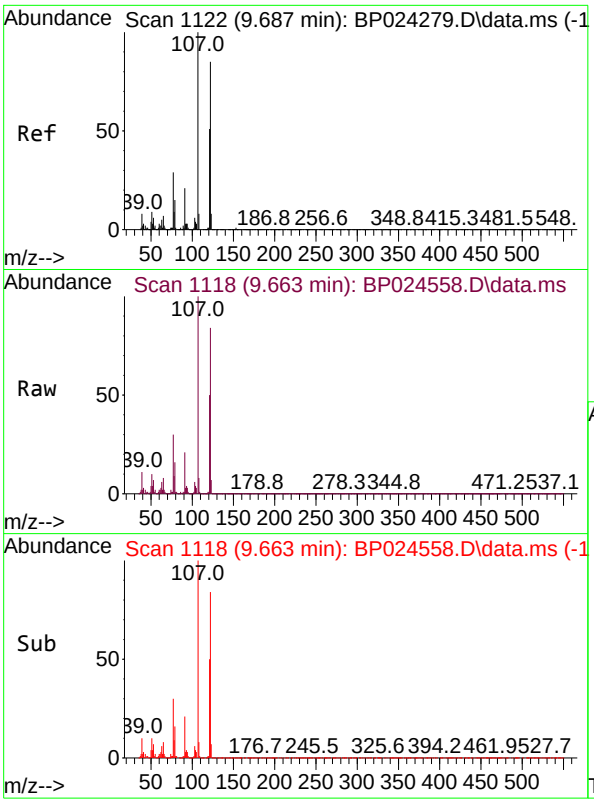


#26
2-Nitrophenol
Concen: 43.601 ng
RT: 9.593 min Scan# 1106
Delta R.T. -0.023 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:139 Resp: 325929

Ion	Ratio	Lower	Upper
139	100		
109	31.9	21.8	32.6
65	48.1	36.2	54.2



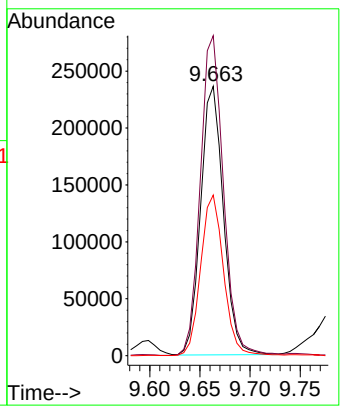


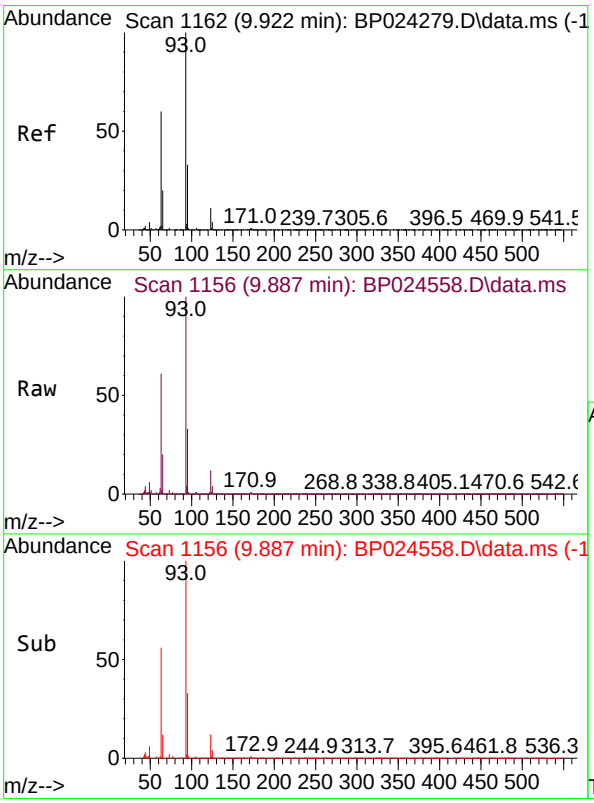
#27
2,4-Dimethylphenol
Concen: 39.777 ng
RT: 9.663 min Scan# 11
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 373359

Ion	Ratio	Lower	Upper
122	100		
107	118.8	93.7	140.5
121	59.6	48.2	72.2

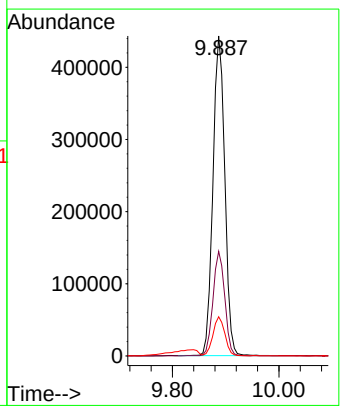


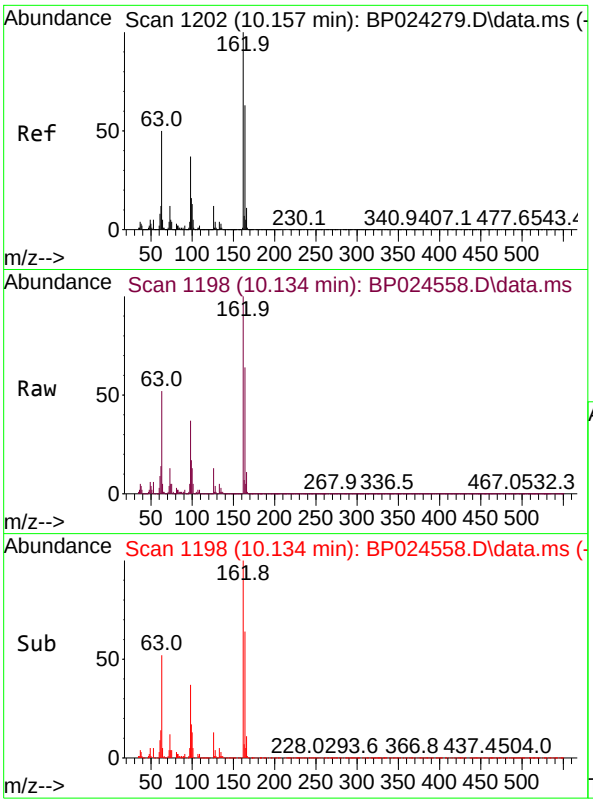


#28
bis(2-Chloroethoxy)methane
Concen: 36.298 ng
RT: 9.887 min Scan# 1156
Delta R.T. -0.023 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion: 93 Resp: 685348

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.0	39.0
123	12.3	9.1	13.7



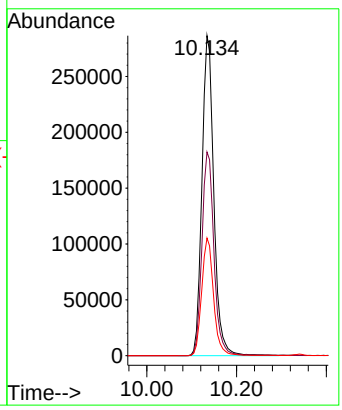


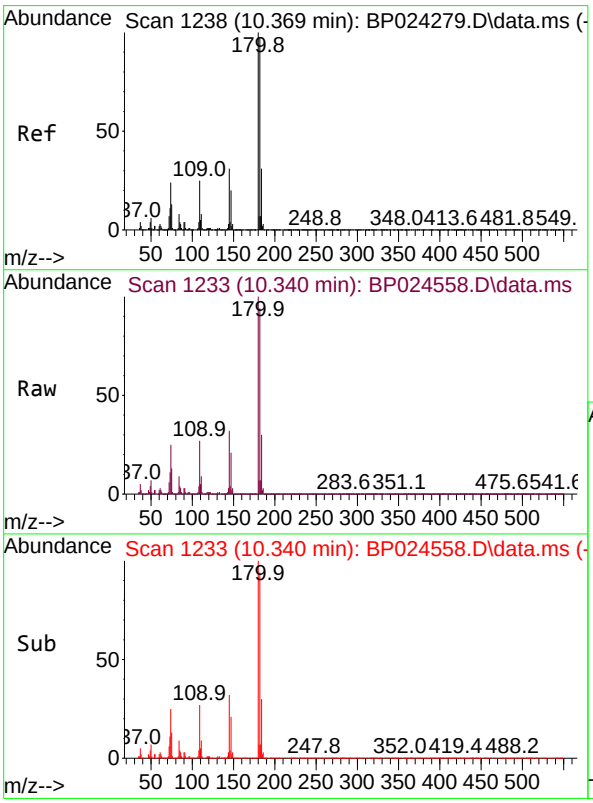
#29
2,4-Dichlorophenol
Concen: 41.081 ng
RT: 10.134 min Scan# 11
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 525754

Ion	Ratio	Lower	Upper
162	100		
164	63.7	43.3	83.3
98	36.8	16.6	56.6

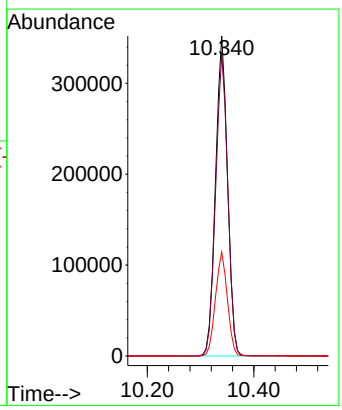


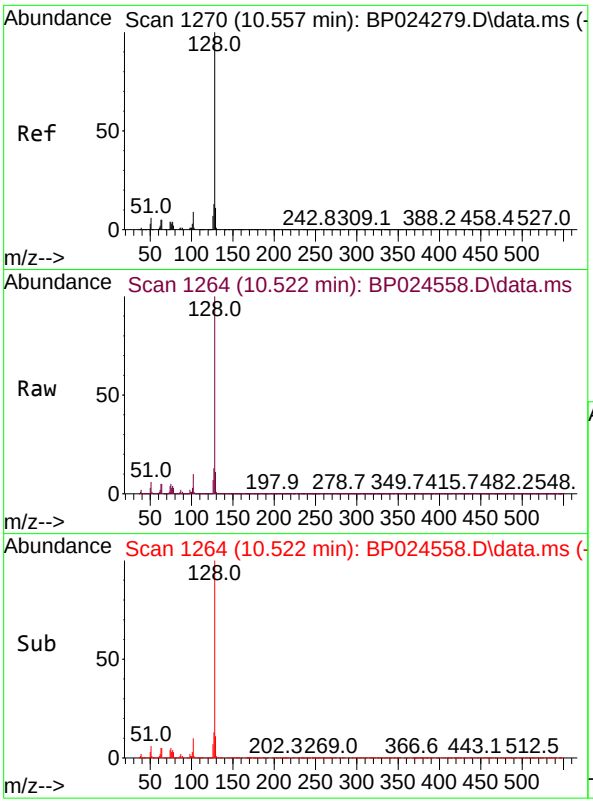


#30
1,2,4-Trichlorobenzene
Concen: 40.087 ng
RT: 10.340 min Scan# 1233
Delta R.T. -0.023 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:180 Resp: 549684

Ion	Ratio	Lower	Upper
180	100		
182	94.2	77.3	115.9
145	32.5	25.1	37.7



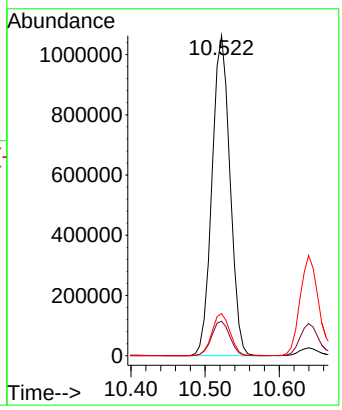


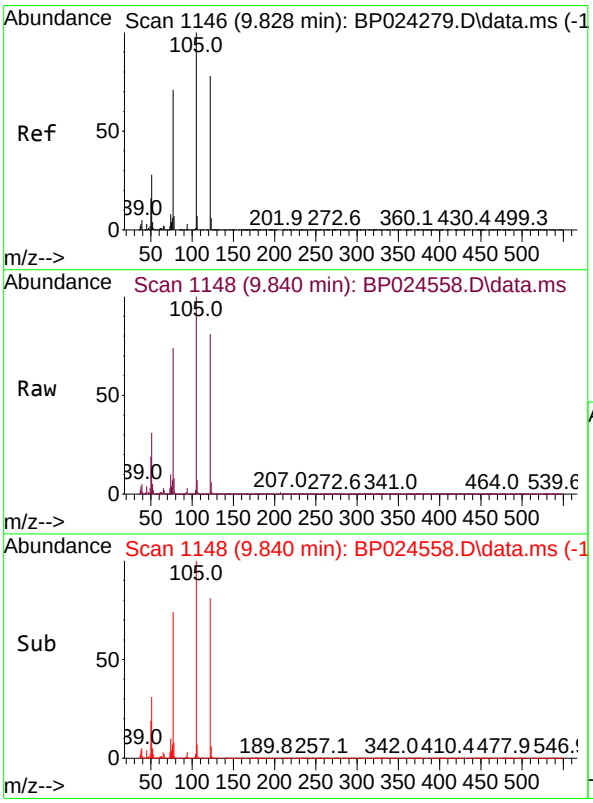
#31
Naphthalene
Concen: 38.574 ng
RT: 10.522 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 1789050

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	13.2	10.3	15.5

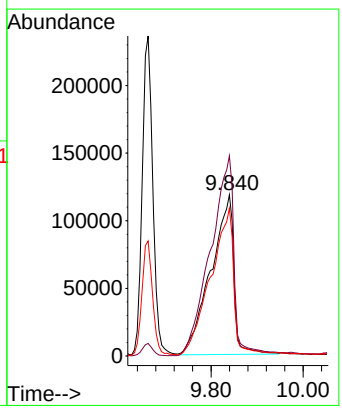


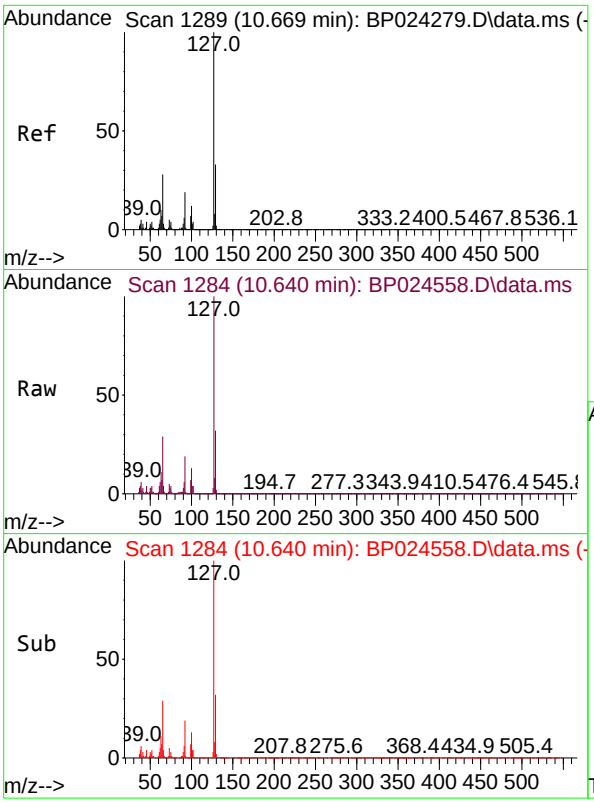


#32
Benzoic acid
Concen: 37.328 ng
RT: 9.840 min Scan# 1148
Delta R.T. 0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:122 Resp: 408256

Ion	Ratio	Lower	Upper
122	100		
105	124.2	104.8	144.8
77	91.7	69.2	109.2



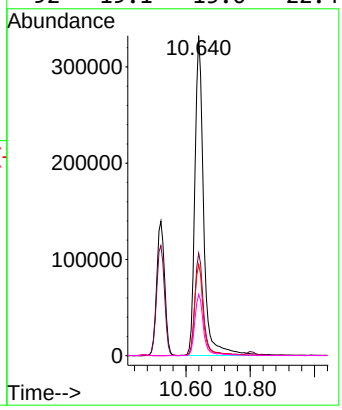


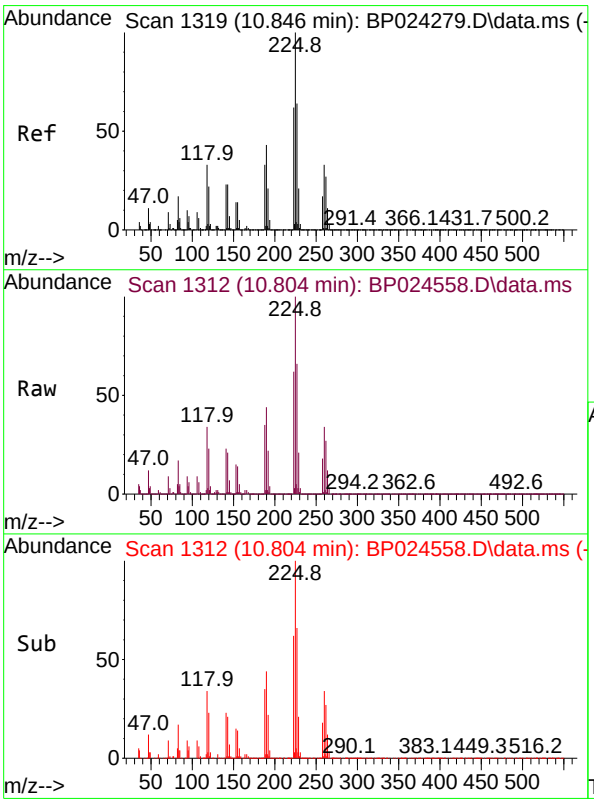
#33
4-Chloroaniline
Concen: 38.605 ng
RT: 10.640 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 630538

Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.1	39.1
65	28.6	22.1	33.1
92	19.1	15.0	22.4

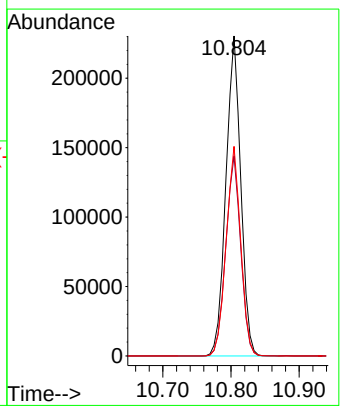


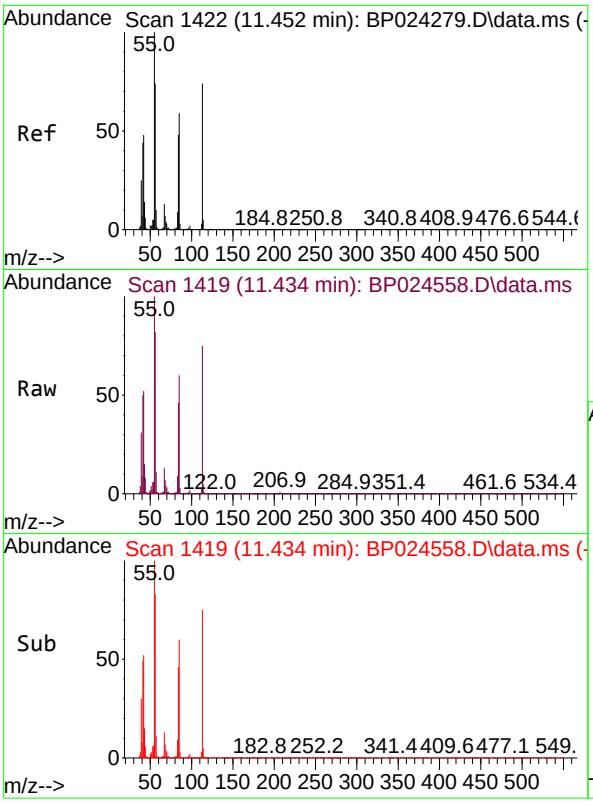


#34
Hexachlorobutadiene
Concen: 43.318 ng
RT: 10.804 min Scan# 1312
Delta R.T. -0.023 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:225 Resp: 349038

Ion	Ratio	Lower	Upper
225	100		
223	62.4	49.5	74.3
227	65.5	50.9	76.3



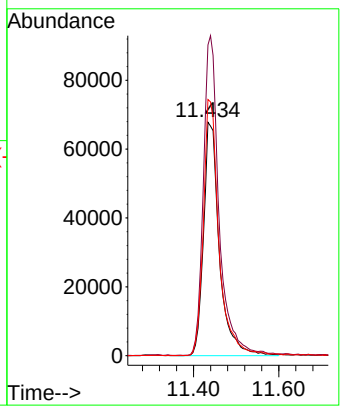


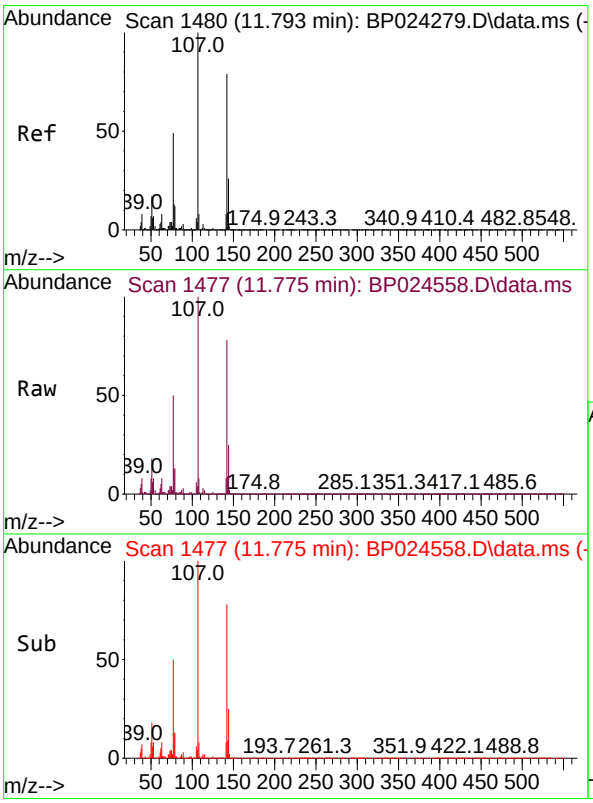
#35
Caprolactam
Concen: 37.215 ng
RT: 11.434 min Scan# 14
Delta R.T. -0.012 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 175740

Ion	Ratio	Lower	Upper
113	100		
55	133.1	115.9	155.9
56	109.7	81.1	121.1

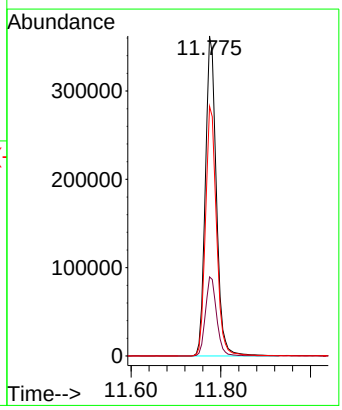


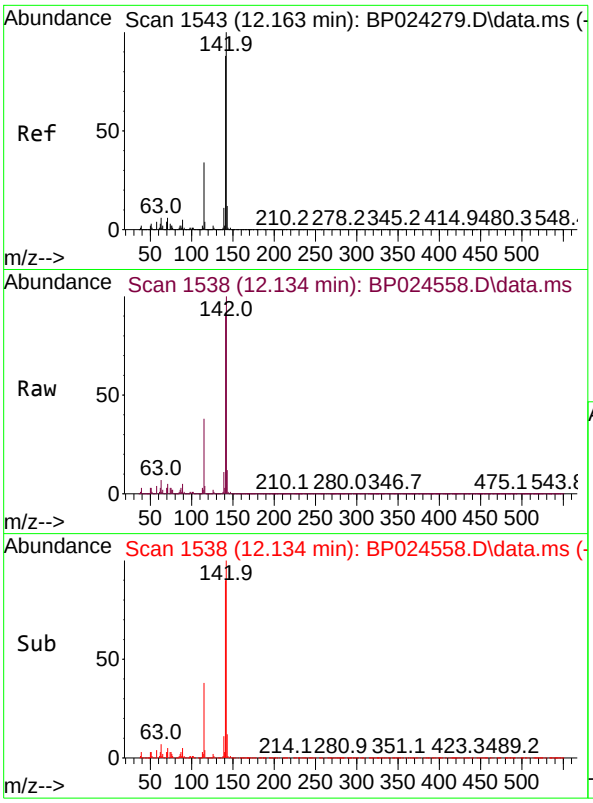


#36
4-Chloro-3-methylphenol
Concen: 41.244 ng
RT: 11.775 min Scan# 1477
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:107 Resp: 614810

Ion	Ratio	Lower	Upper
107	100		
144	24.7	20.5	30.7
142	78.0	63.4	95.2



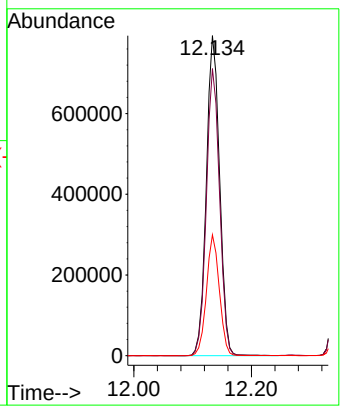


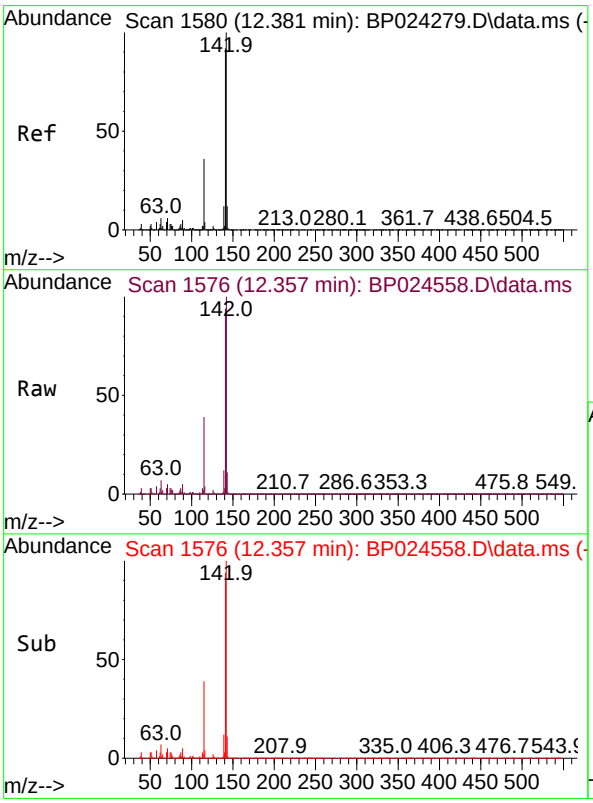
#37
2-Methylnaphthalene
Concen: 38.780 ng
RT: 12.134 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 1247363

Ion	Ratio	Lower	Upper
142	100		
141	89.7	70.3	105.5
115	37.7	26.9	40.3

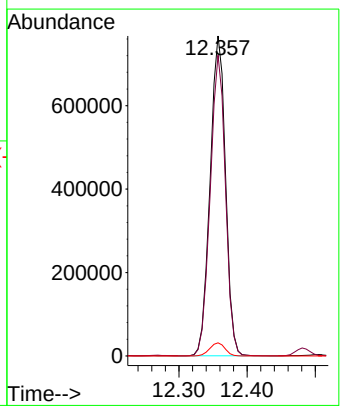


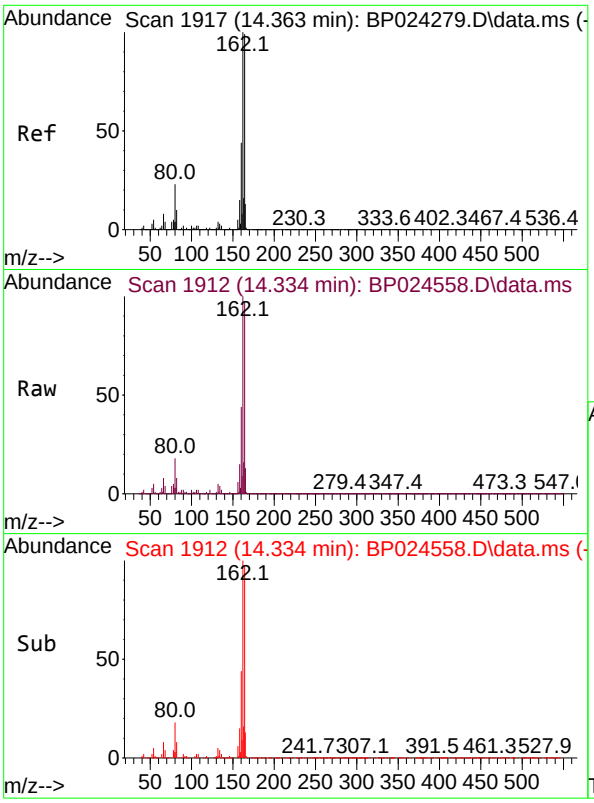


#38
1-Methylnaphthalene
Concen: 38.394 ng
RT: 12.357 min Scan# 1576
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:142 Resp: 1208134

Ion	Ratio	Lower	Upper
142	100		
141	94.0	73.6	110.4
116	4.1	3.0	4.6



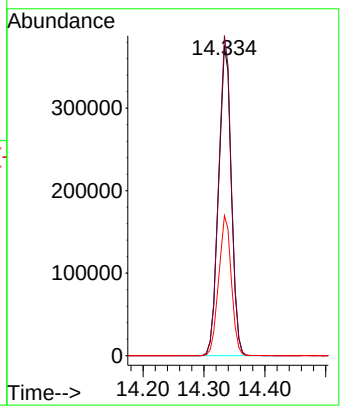


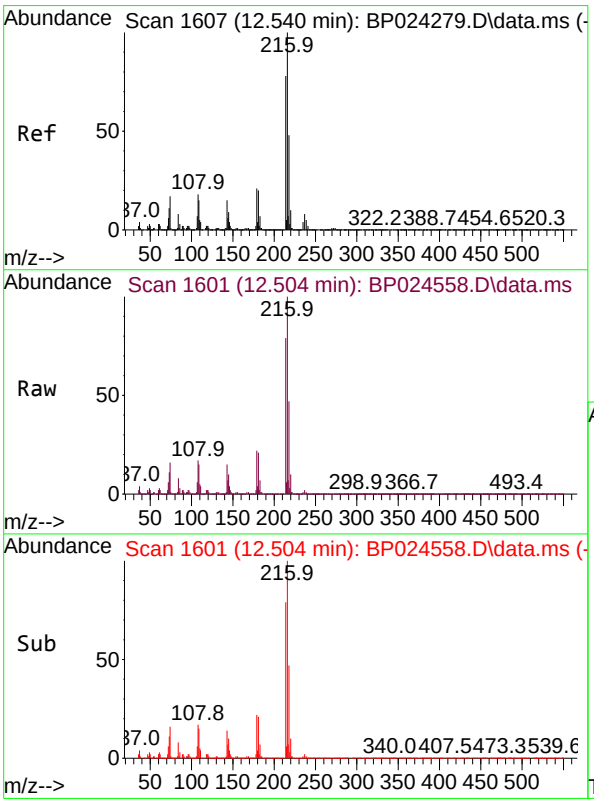
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.334 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 543552

Ion	Ratio	Lower	Upper
164	100		
162	103.0	80.6	120.8
160	45.1	35.3	52.9

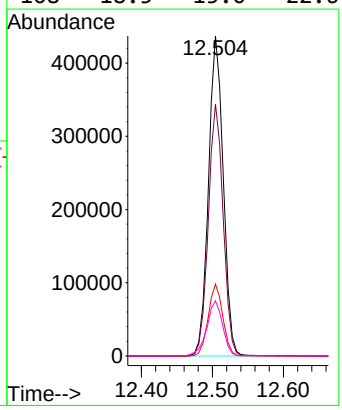


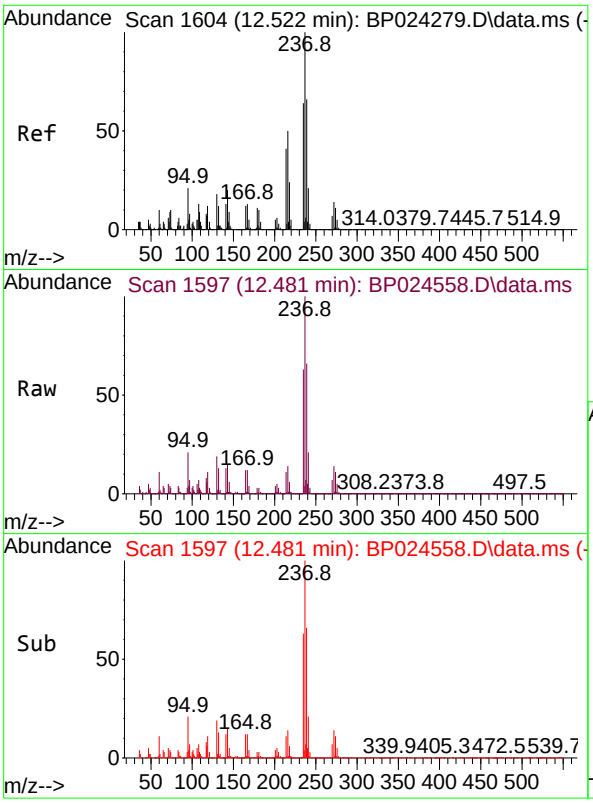


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.304 ng
RT: 12.504 min Scan# 1601
Delta R.T. -0.023 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:216 Resp: 632356

Ion	Ratio	Lower	Upper
216	100		
214	79.1	62.6	93.8
179	22.1	17.2	25.8
108	18.5	15.0	22.6



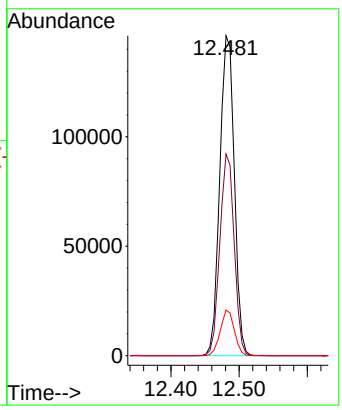


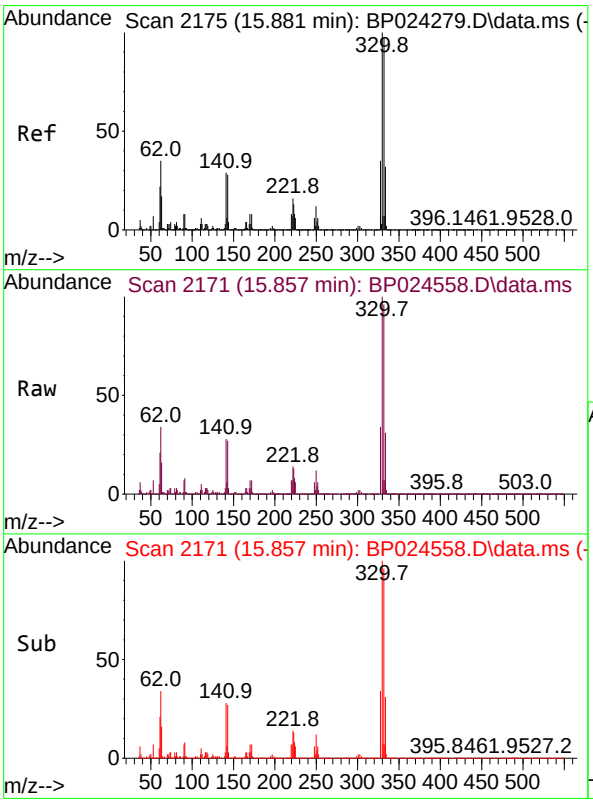
#41
Hexachlorocyclopentadiene
Concen: 41.138 ng
RT: 12.481 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 217481

Ion	Ratio	Lower	Upper
237	100		
235	63.0	43.9	83.9
272	14.3	0.0	33.6

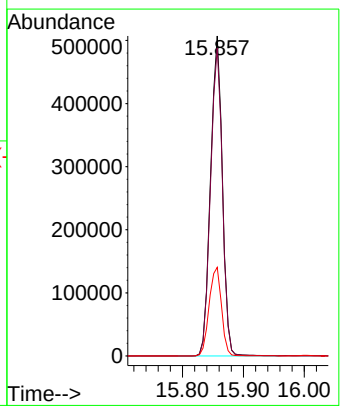


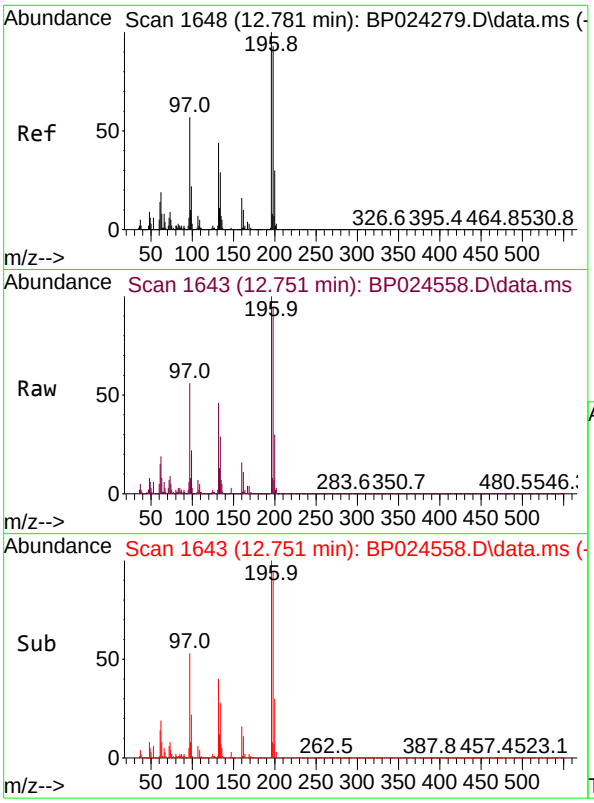


#42
2,4,6-Tribromophenol
Concen: 90.767 ng
RT: 15.857 min Scan# 2171
Delta R.T. -0.006 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:330 Resp: 682599

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.1	115.7
141	29.0	24.7	37.1



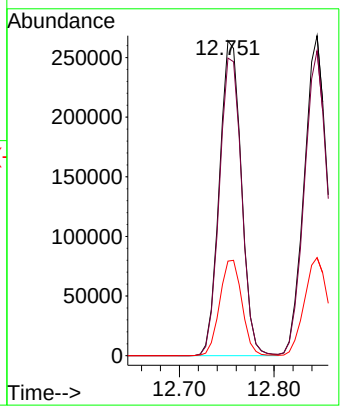


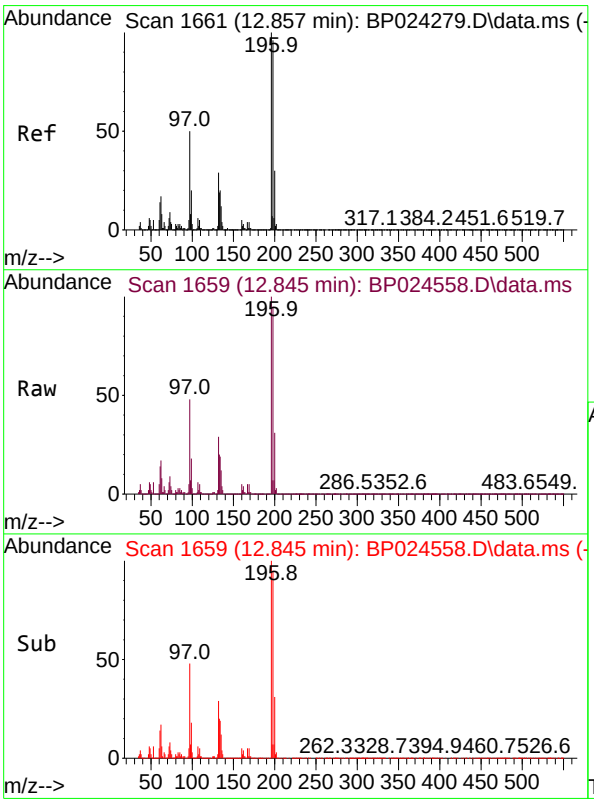
#43
2,4,6-Trichlorophenol
Concen: 42.827 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 425615

Ion	Ratio	Lower	Upper
196	100		
198	94.5	74.3	111.5
200	30.0	24.0	36.0

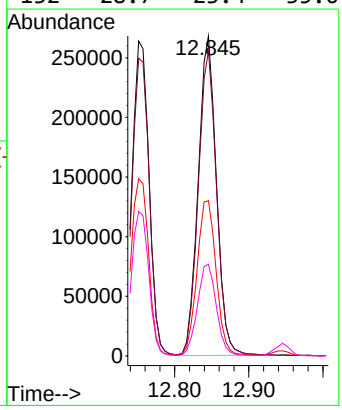


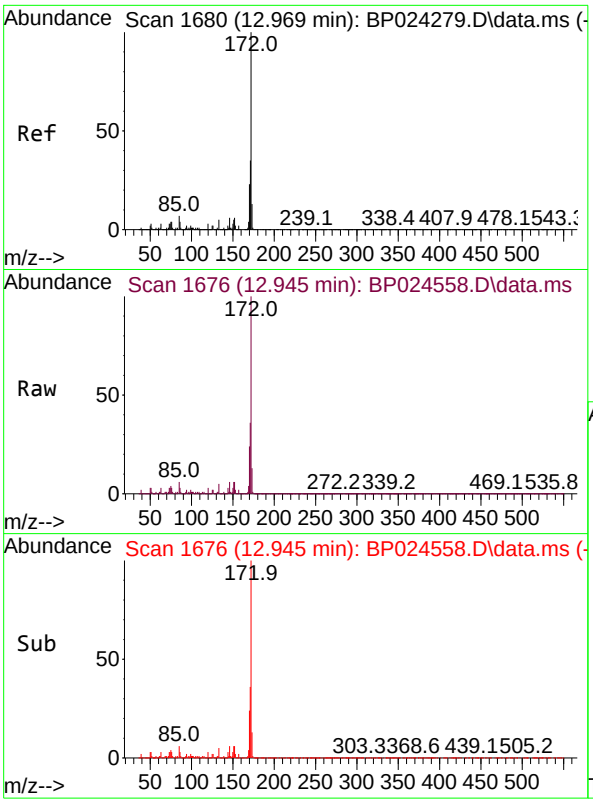


#44
2,4,5-Trichlorophenol
Concen: 41.710 ng
RT: 12.845 min Scan# 1659
Delta R.T. -0.012 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:196 Resp: 459028

Ion	Ratio	Lower	Upper
196	100		
198	95.3	77.3	115.9
97	48.5	40.4	60.6
132	28.7	23.4	35.0



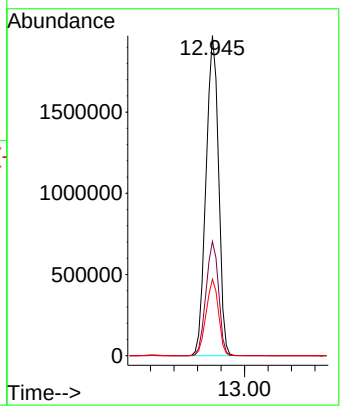


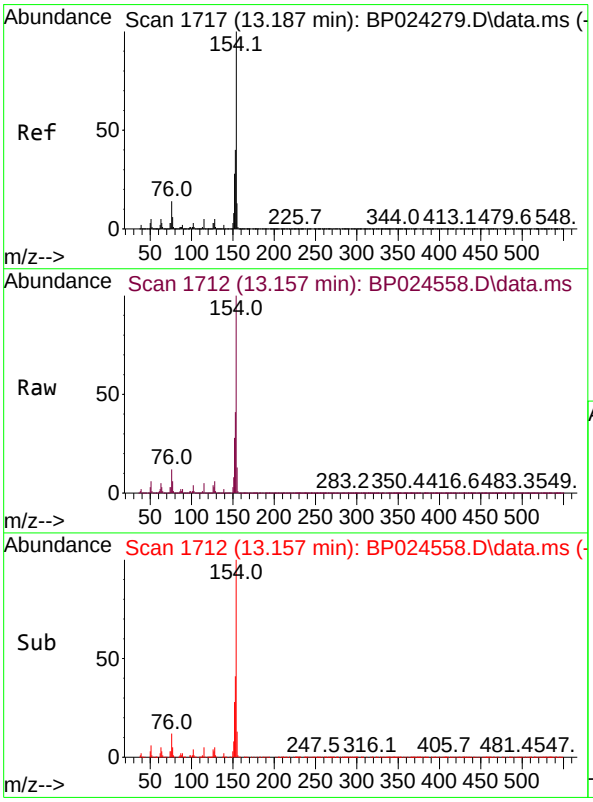
#45
2-Fluorobiphenyl
Concen: 82.130 ng
RT: 12.945 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 2915655

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.2	42.2
170	23.9	18.6	27.8

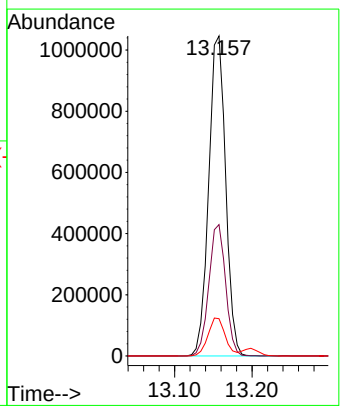


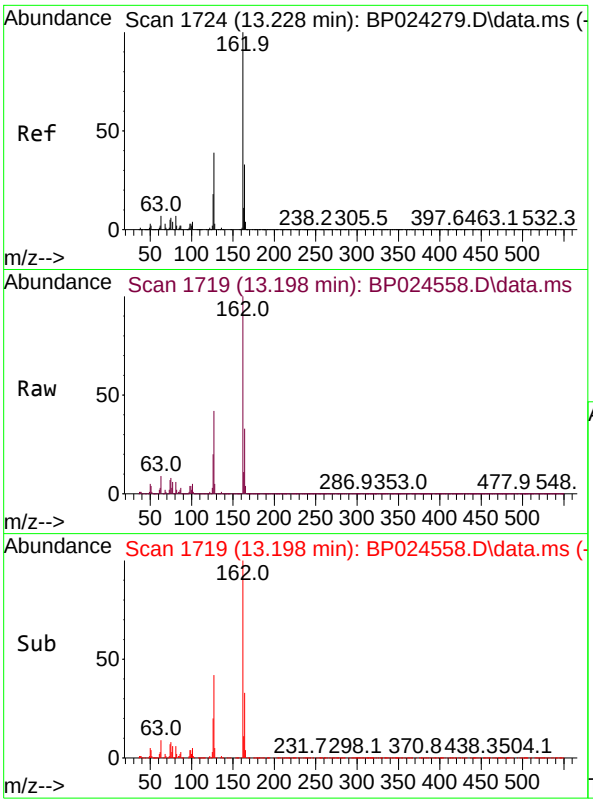


#46
1,1'-Biphenyl
Concen: 39.672 ng
RT: 13.157 min Scan# 1712
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:154 Resp: 1585069

Ion	Ratio	Lower	Upper
154	100		
153	41.0	20.3	60.3
76	11.6	0.0	33.5



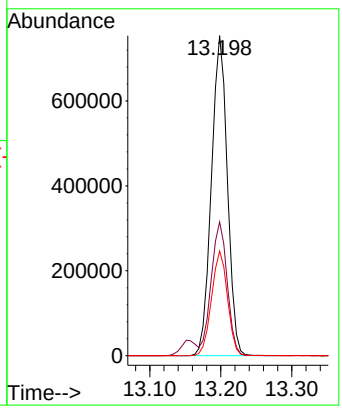


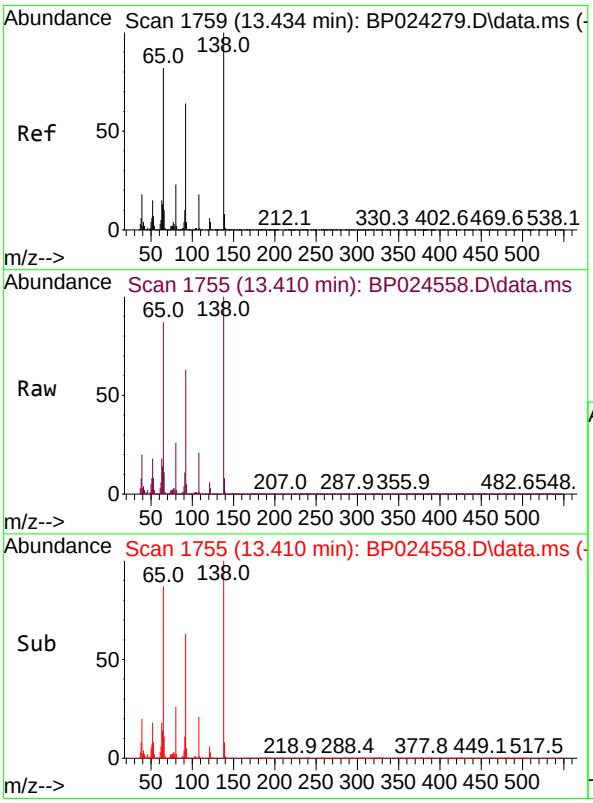
#47
2-Chloronaphthalene
Concen: 39.317 ng
RT: 13.198 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 1174058

Ion	Ratio	Lower	Upper
162	100		
127	41.8	31.9	47.9
164	32.7	26.2	39.4

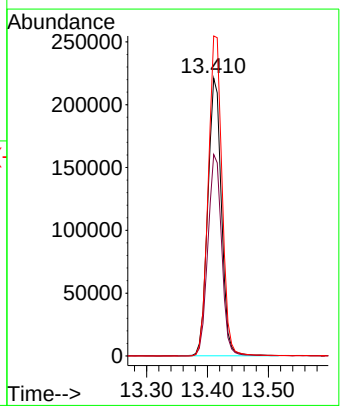


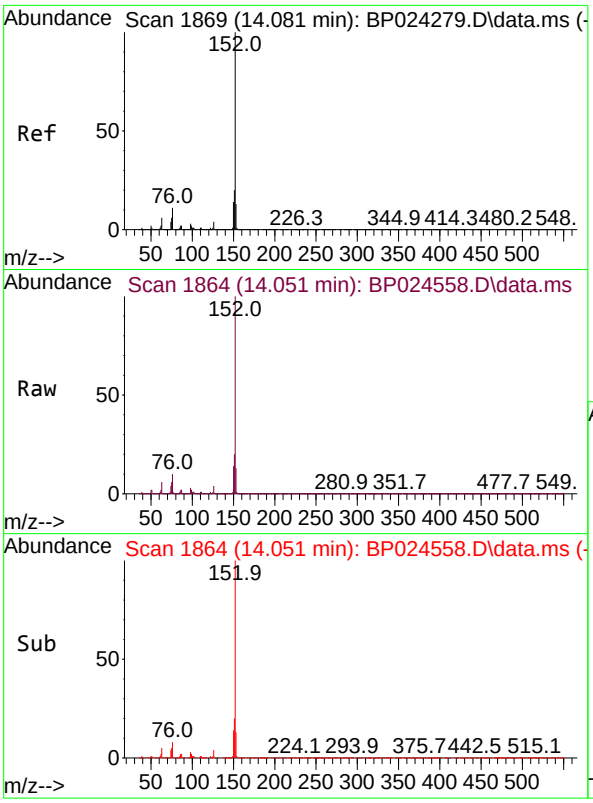


#48
2-Nitroaniline
Concen: 41.033 ng
RT: 13.410 min Scan# 1755
Delta R.T. -0.012 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion: 65 Resp: 343699

Ion	Ratio	Lower	Upper
65	100		
92	72.5	62.3	93.5
138	115.2	97.2	145.8



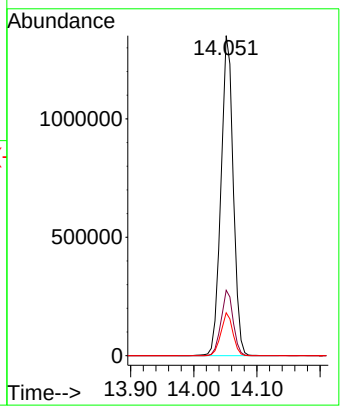


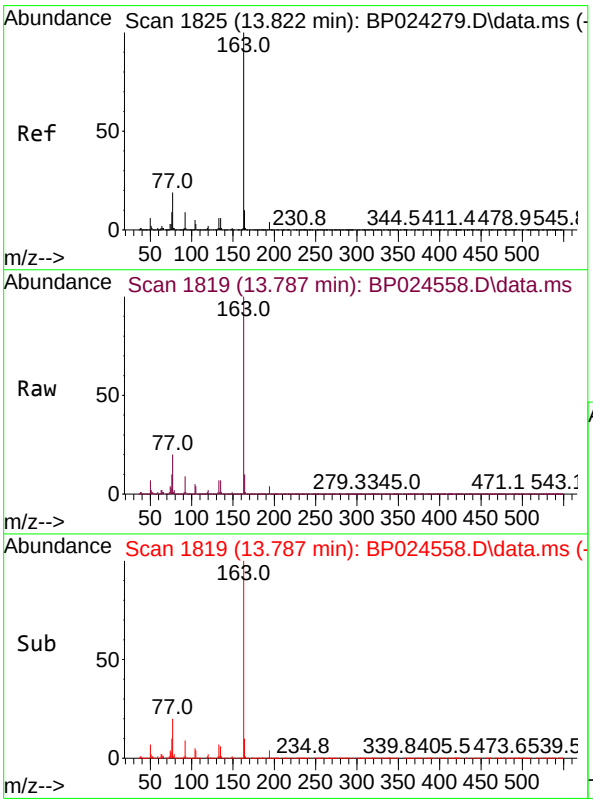
#49
Acenaphthylene
Concen: 38.797 ng
RT: 14.051 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 1824004

Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.9	23.9
153	13.4	10.6	15.8

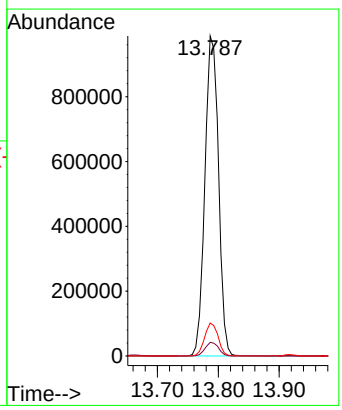


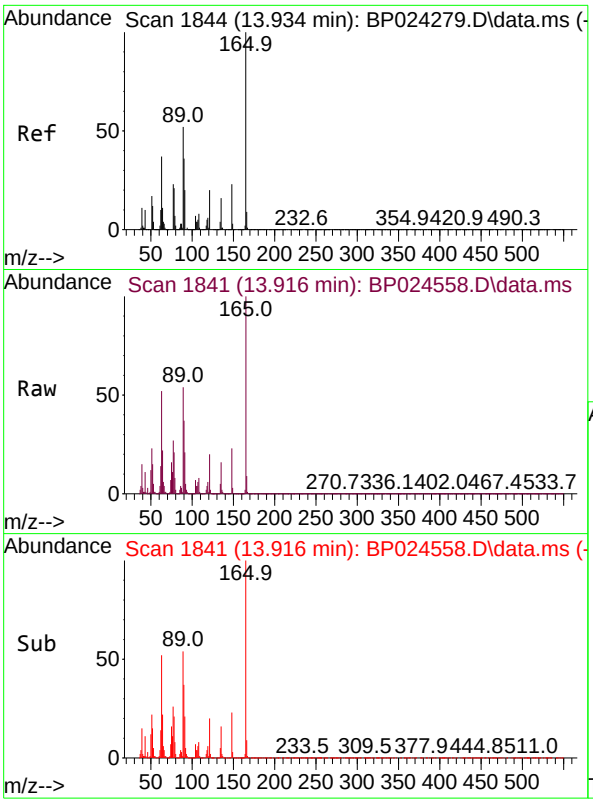


#50
Dimethylphthalate
Concen: 38.821 ng
RT: 13.787 min Scan# 1819
Delta R.T. -0.023 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:163 Resp: 1534513

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.3	8.0	12.0



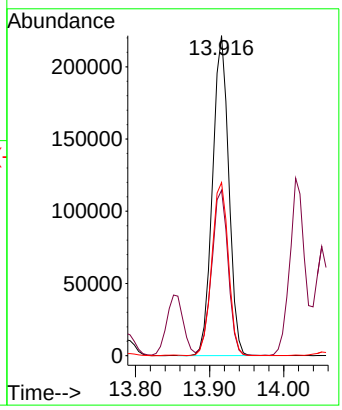


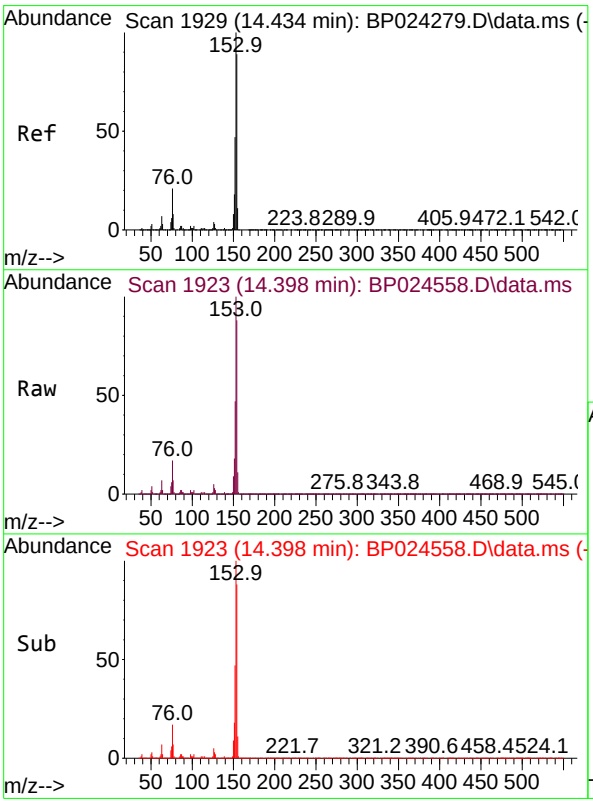
#51
2,6-Dinitrotoluene
Concen: 40.059 ng
RT: 13.916 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 336243

Ion	Ratio	Lower	Upper
165	100		
63	51.7	38.0	57.0
89	54.1	41.7	62.5

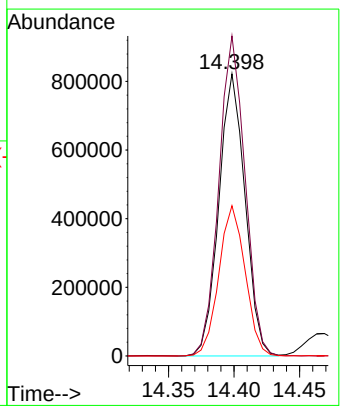


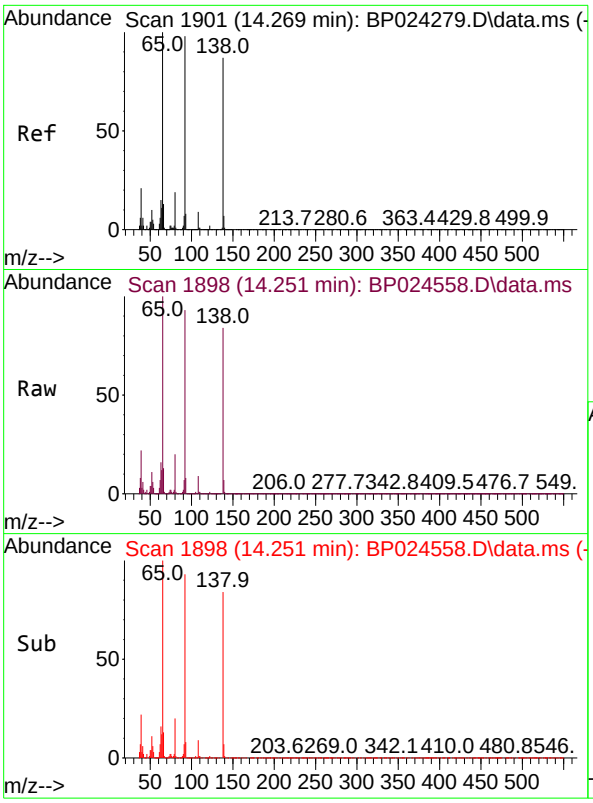


#52
Acenaphthene
Concen: 38.265 ng
RT: 14.398 min Scan# 1923
Delta R.T. -0.023 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:154 Resp: 1140518

Ion	Ratio	Lower	Upper
154	100		
153	113.4	89.8	134.6
152	53.3	42.6	63.8



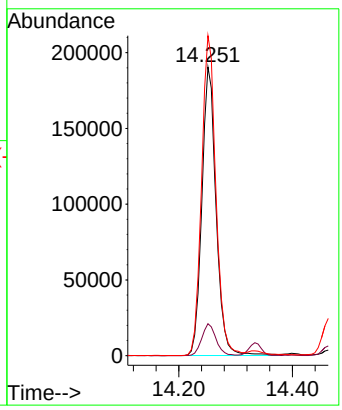


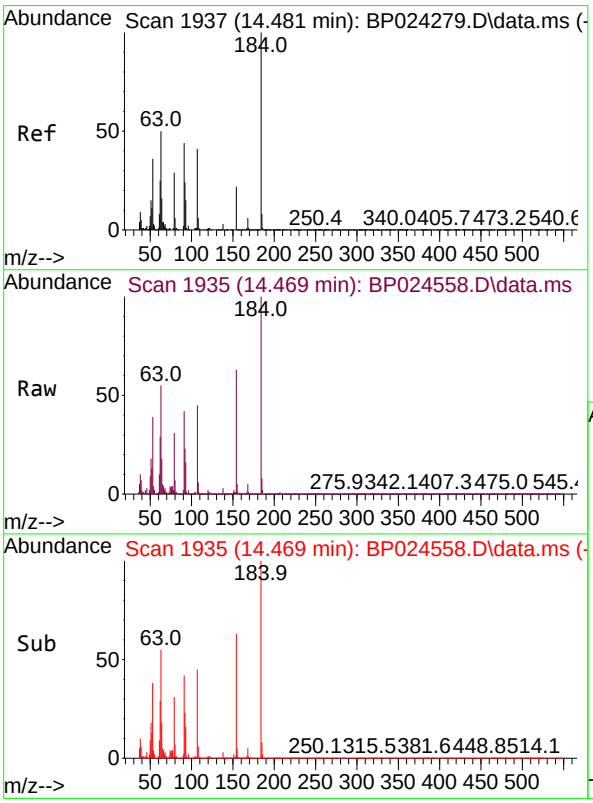
#53
3-Nitroaniline
Concen: 37.414 ng
RT: 14.251 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 330060

Ion	Ratio	Lower	Upper
138	100		
108	11.1	8.3	12.5
92	110.8	89.8	134.8

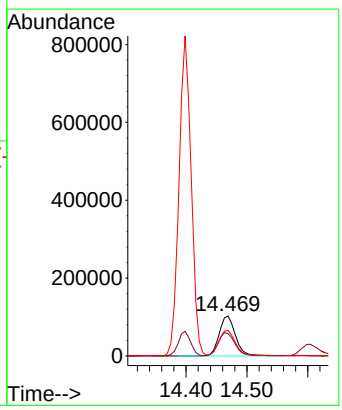


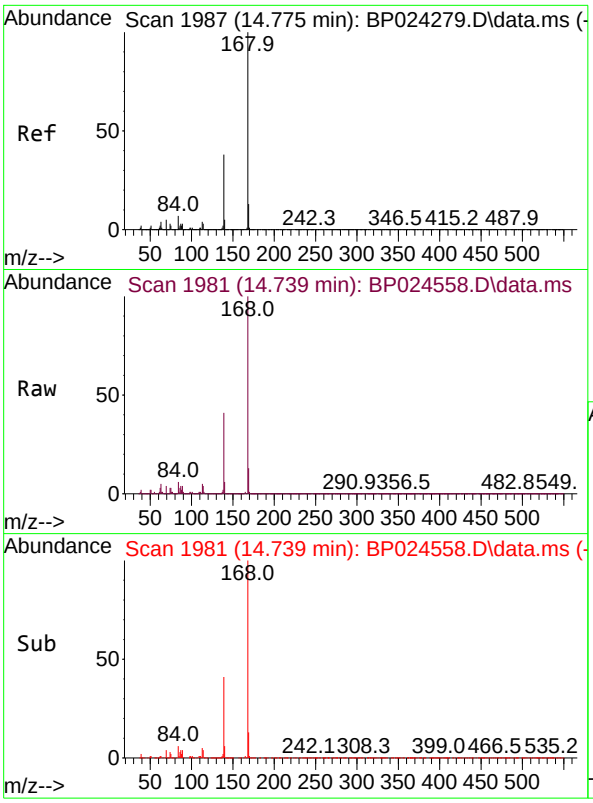


#54
2,4-Dinitrophenol
Concen: 38.555 ng
RT: 14.469 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:184 Resp: 190627

Ion	Ratio	Lower	Upper
184	100		
63	55.5	42.6	64.0
154	63.5	47.2	70.8



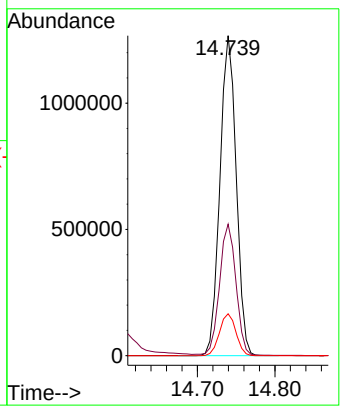


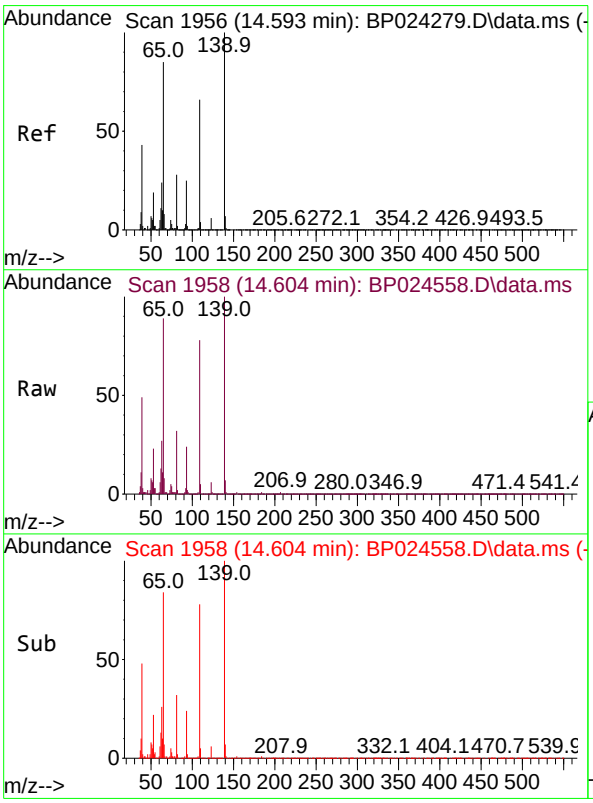
#55
Dibenzofuran
Concen: 37.935 ng
RT: 14.739 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 1848148

Ion	Ratio	Lower	Upper
168	100		
139	41.1	30.3	45.5
169	13.1	10.6	16.0

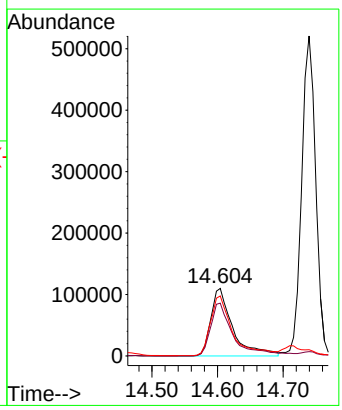


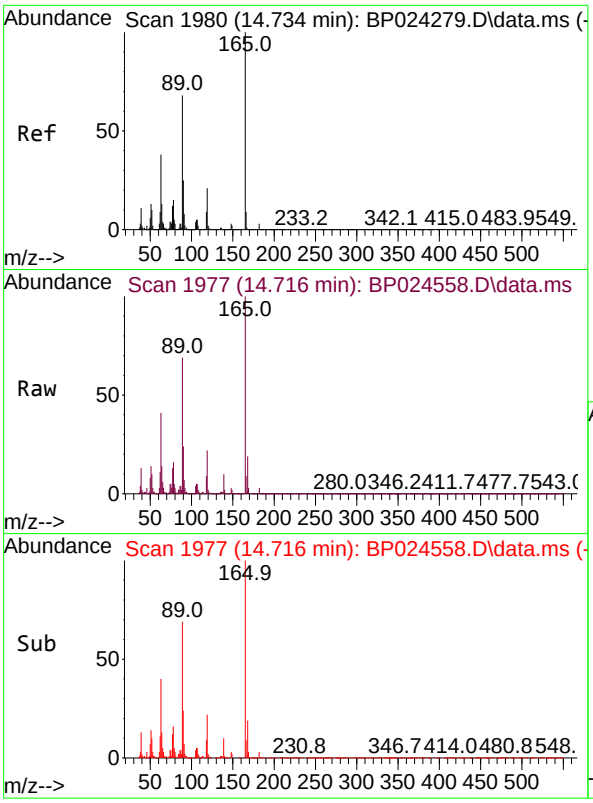


#56
4-Nitrophenol
Concen: 33.429 ng
RT: 14.604 min Scan# 1958
Delta R.T. 0.012 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:139 Resp: 254697

Ion	Ratio	Lower	Upper
139	100		
109	78.1	46.1	86.1
65	88.7	65.0	105.0



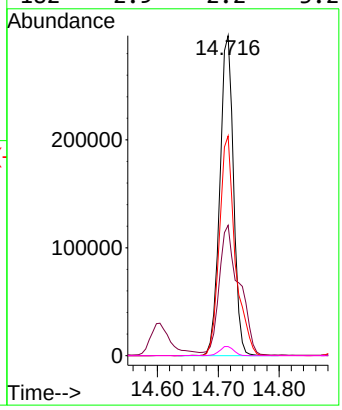


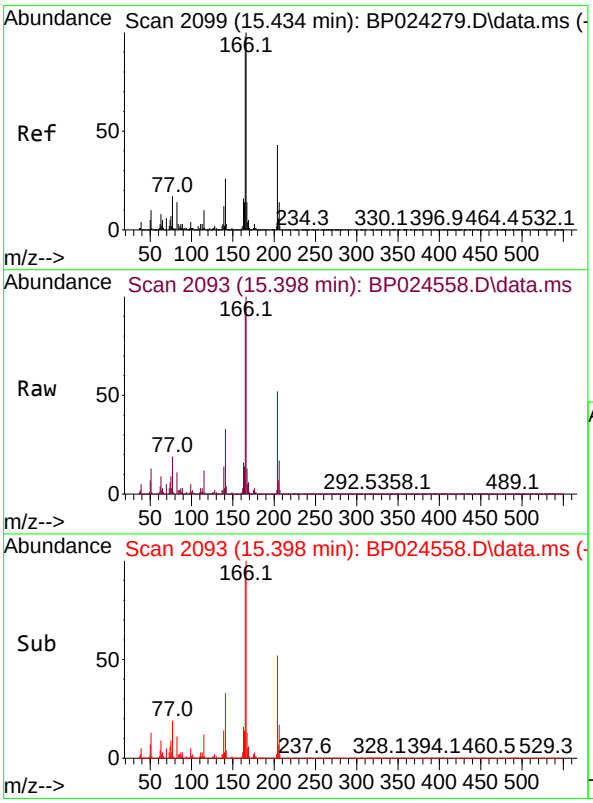
#57
2,4-Dinitrotoluene
Concen: 40.250 ng
RT: 14.716 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 460860

Ion	Ratio	Lower	Upper
165	100		
63	40.7	30.4	45.6
89	68.7	54.6	82.0
182	2.9	2.2	3.2

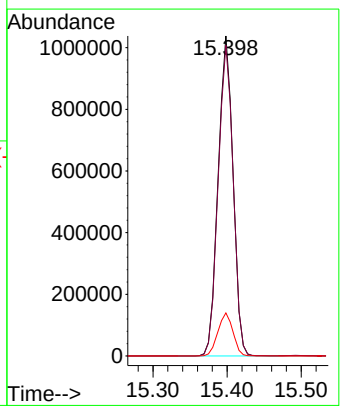


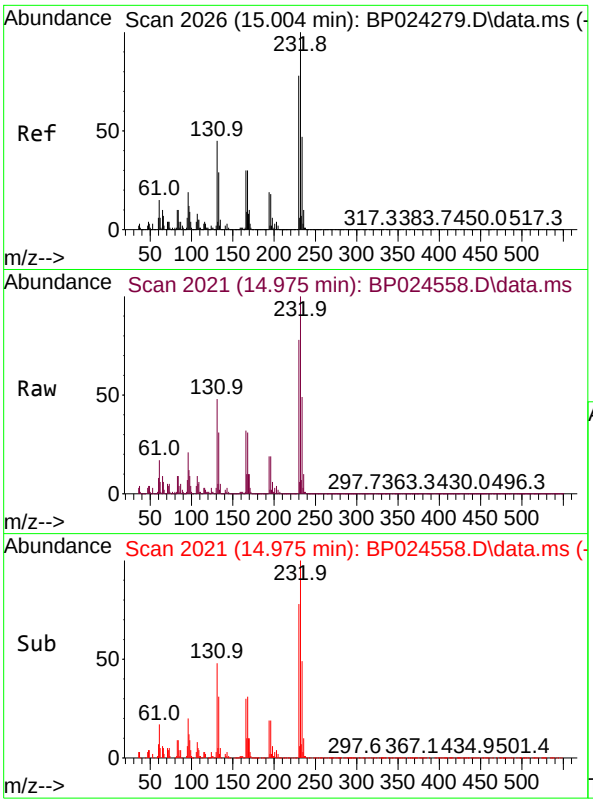


#58
Fluorene
Concen: 38.488 ng
RT: 15.398 min Scan# 2093
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:166 Resp: 1451582

Ion	Ratio	Lower	Upper
166	100		
165	97.1	78.1	117.1
167	13.5	10.9	16.3



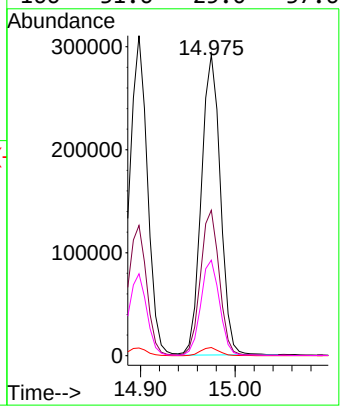


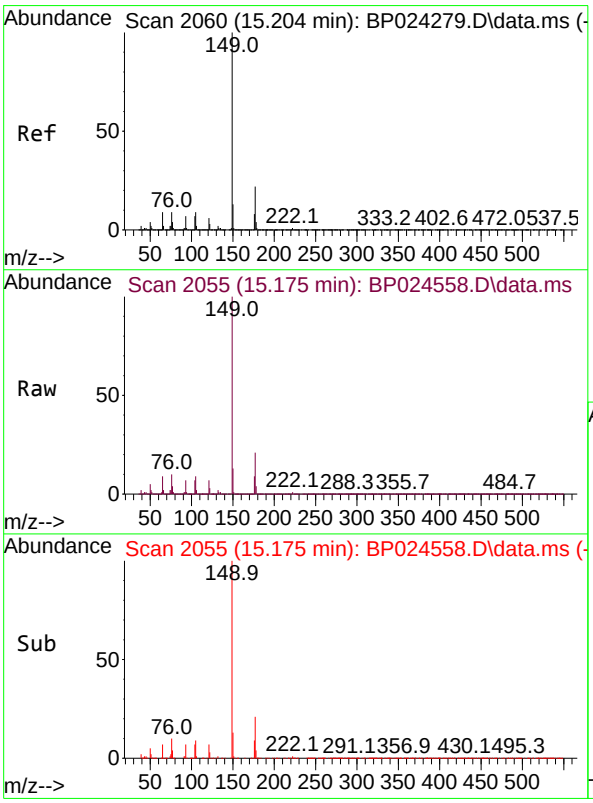
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.053 ng
RT: 14.975 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 406546

Ion	Ratio	Lower	Upper
232	100		
131	48.0	36.8	55.2
130	2.7	1.9	2.9
166	31.6	25.0	37.6

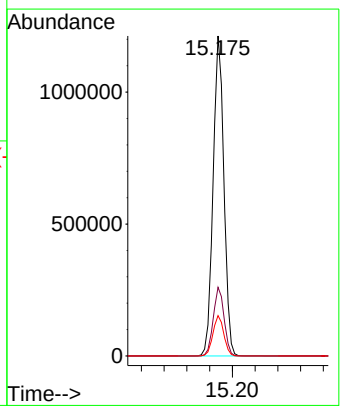


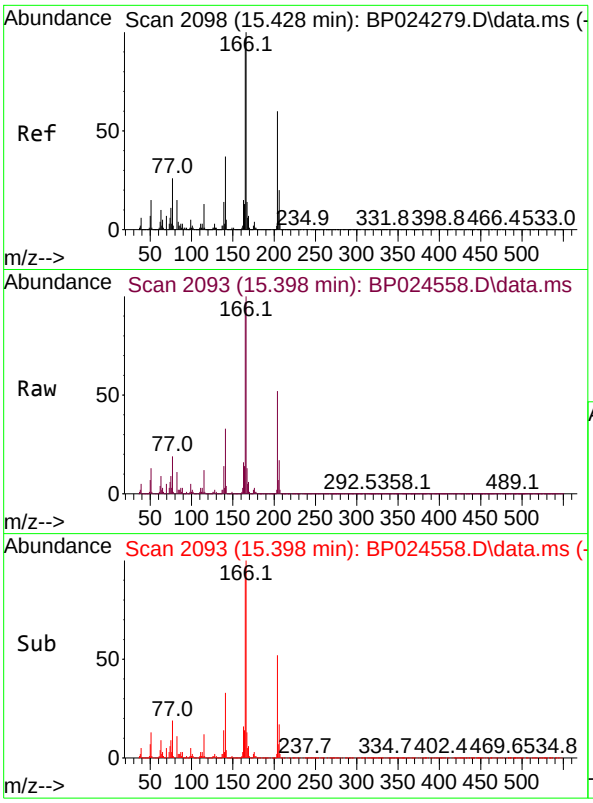


#60
Diethylphthalate
Concen: 39.030 ng
RT: 15.175 min Scan# 2055
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:149 Resp: 1589874

Ion	Ratio	Lower	Upper
149	100		
177	21.4	17.4	26.2
150	12.6	10.1	15.1



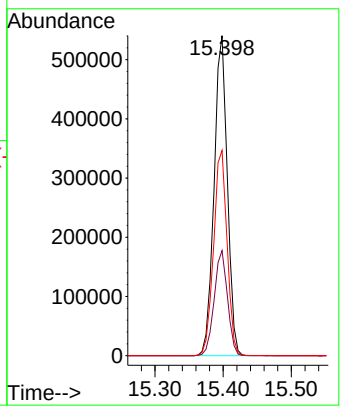


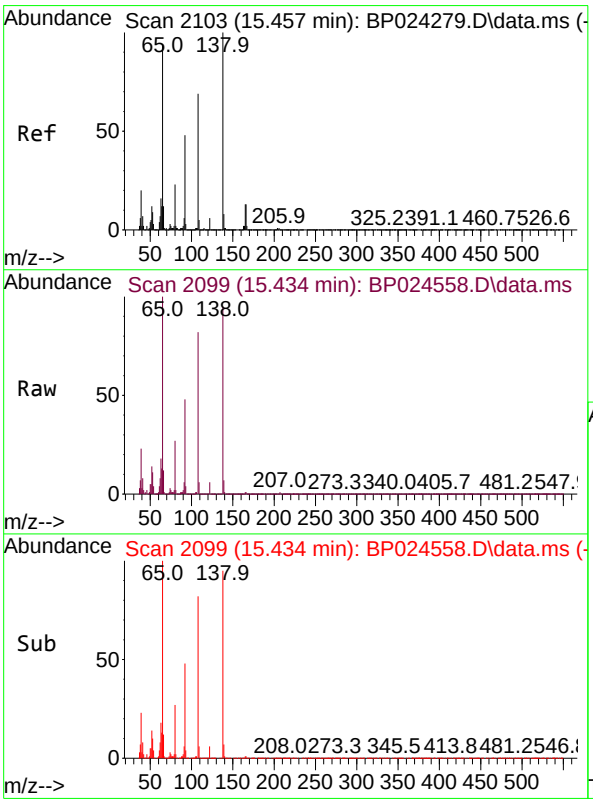
#61
4-Chlorophenyl-phenylether
Concen: 39.960 ng
RT: 15.398 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 731849

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.5	39.7
141	64.2	49.4	74.0

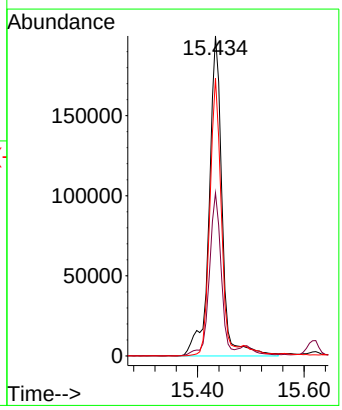


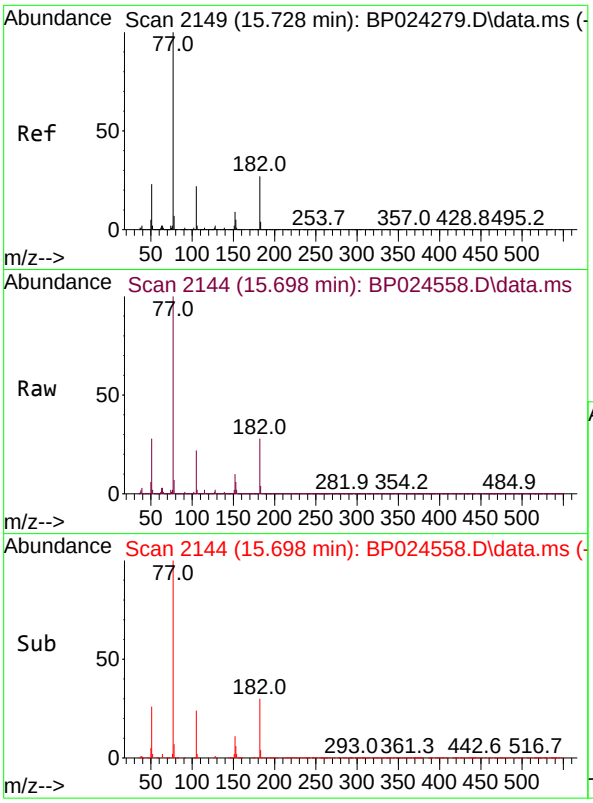


#62
4-Nitroaniline
Concen: 36.208 ng
RT: 15.434 min Scan# 2099
Delta R.T. -0.006 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:138 Resp: 338145

Ion	Ratio	Lower	Upper
138	100		
92	50.9	27.8	67.8
108	86.8	48.9	88.9



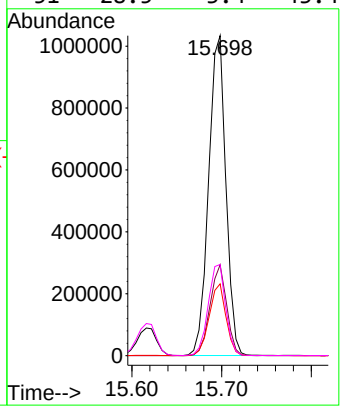


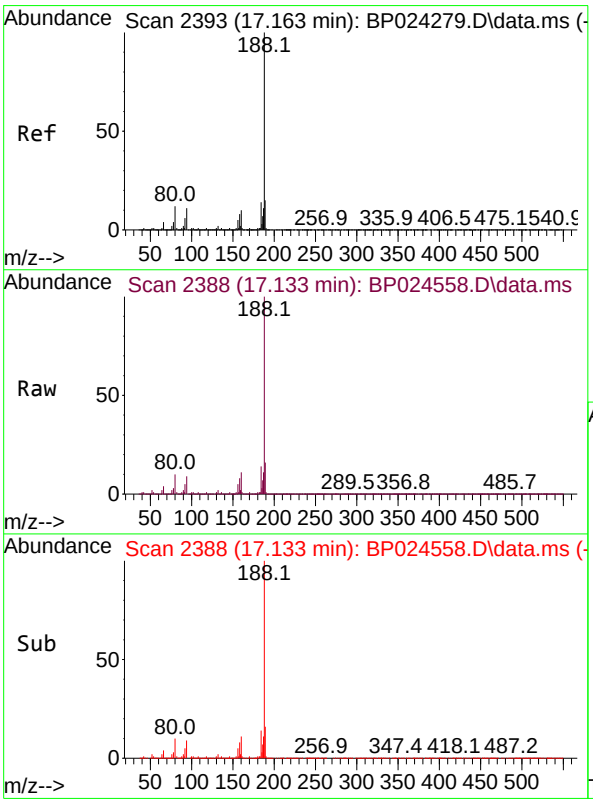
#63
Azobenzene
Concen: 36.753 ng
RT: 15.698 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 1376020

Ion	Ratio	Lower	Upper
77	100		
182	28.4	7.3	47.3
105	22.5	2.3	42.3
51	28.5	3.4	43.4

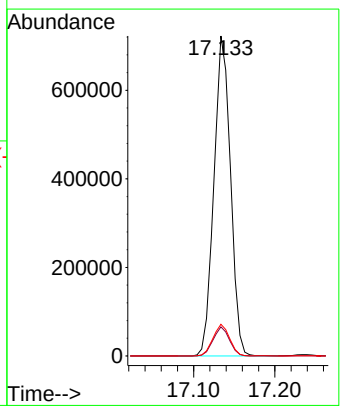


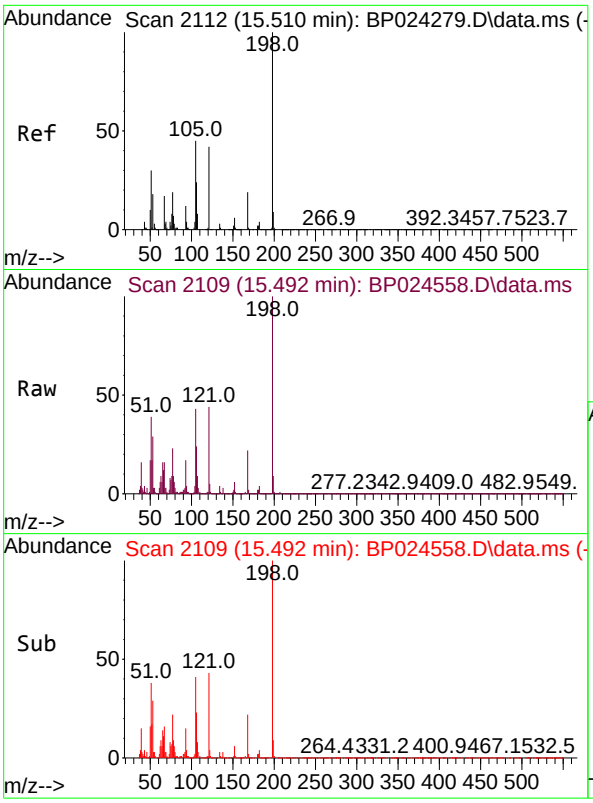


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.133 min Scan# 2388
Delta R.T. -0.012 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:188 Resp: 1025819

Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.6	13.0
80	9.9	9.8	14.6



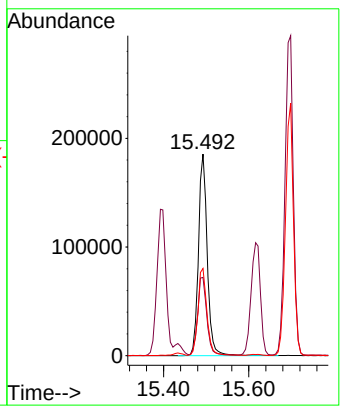


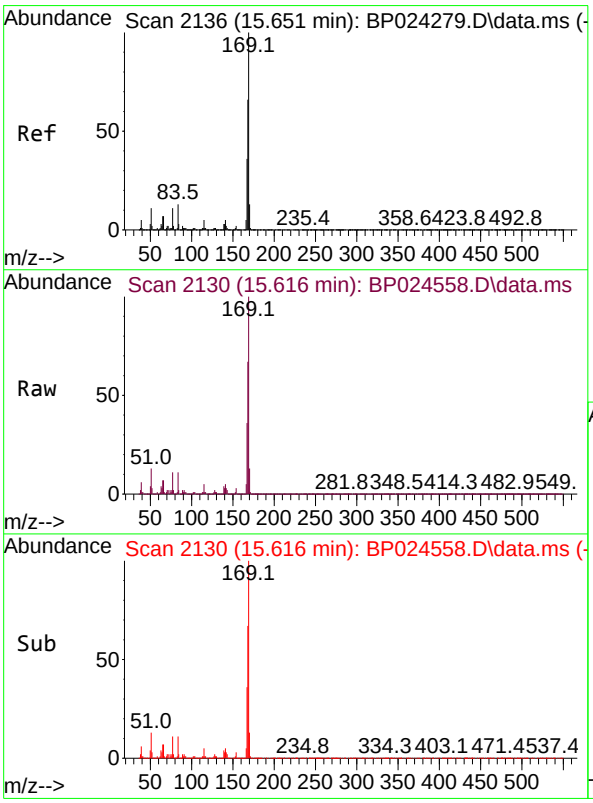
#65
4,6-Dinitro-2-methylphenol
Concen: 41.018 ng
RT: 15.492 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 265277

Ion	Ratio	Lower	Upper
198	100		
51	38.8	18.4	58.4
105	43.3	26.5	66.5

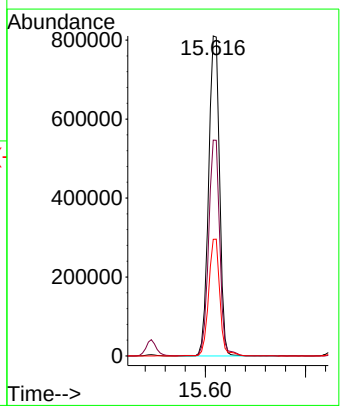


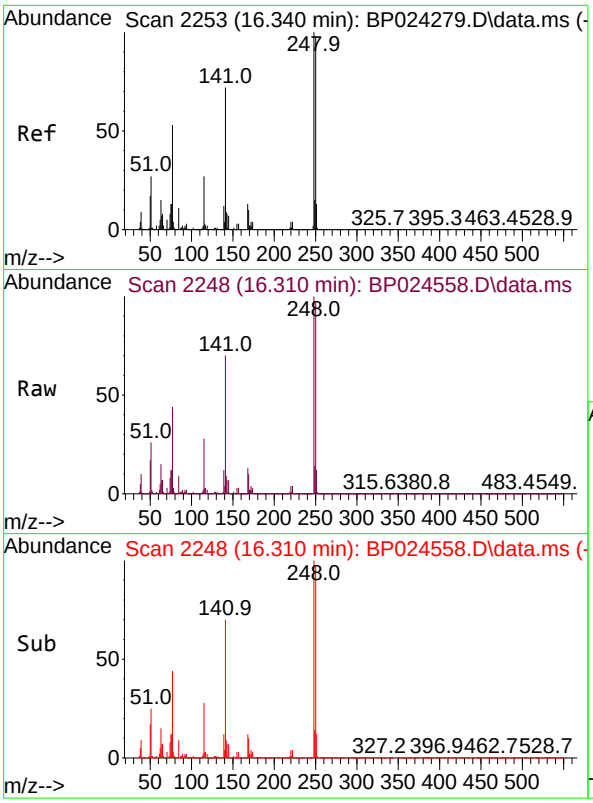


#66
n-Nitrosodiphenylamine
Concen: 40.082 ng
RT: 15.616 min Scan# 2130
Delta R.T. -0.012 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:169 Resp: 1227248

Ion	Ratio	Lower	Upper
169	100		
168	67.5	53.0	79.4
167	36.5	28.9	43.3



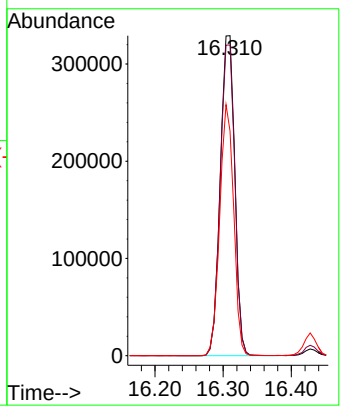


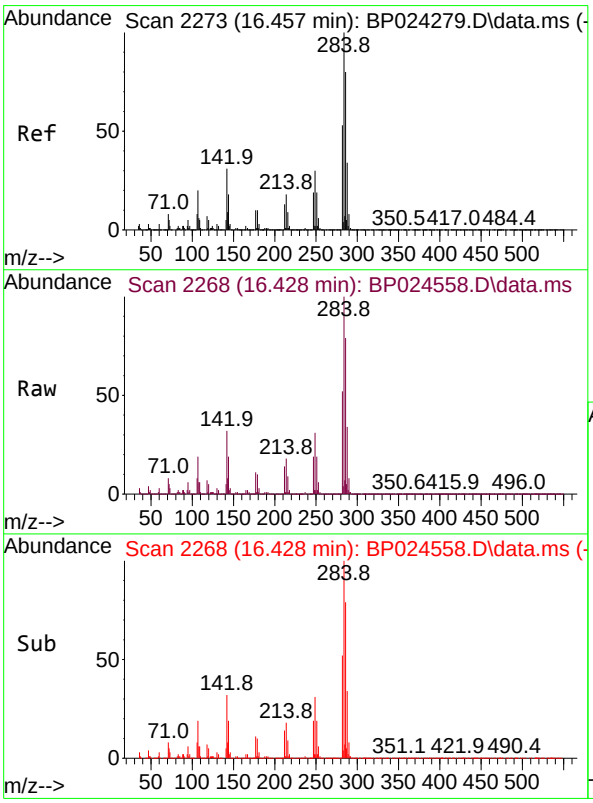
#67
4-Bromophenyl-phenylether
Concen: 43.456 ng
RT: 16.310 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 487541

Ion	Ratio	Lower	Upper
248	100		
250	97.1	78.2	117.4
141	70.1	57.7	86.5

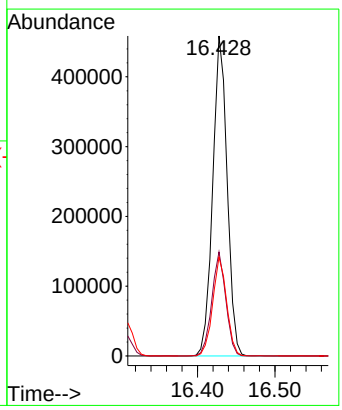


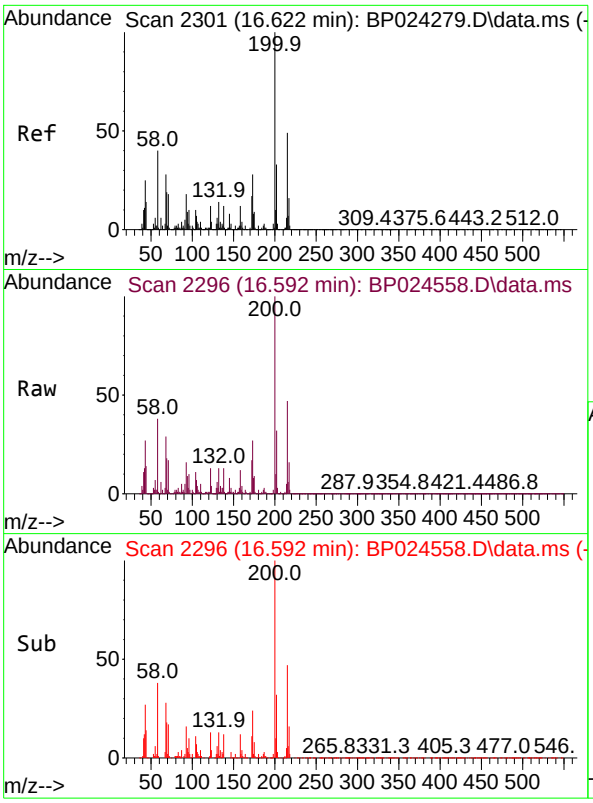


#68
Hexachlorobenzene
Concen: 44.327 ng
RT: 16.428 min Scan# 2268
Delta R.T. -0.012 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:284 Resp: 590949

Ion	Ratio	Lower	Upper
284	100		
142	32.5	24.6	37.0
249	30.9	23.8	35.6



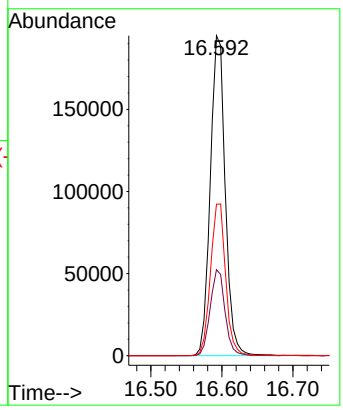


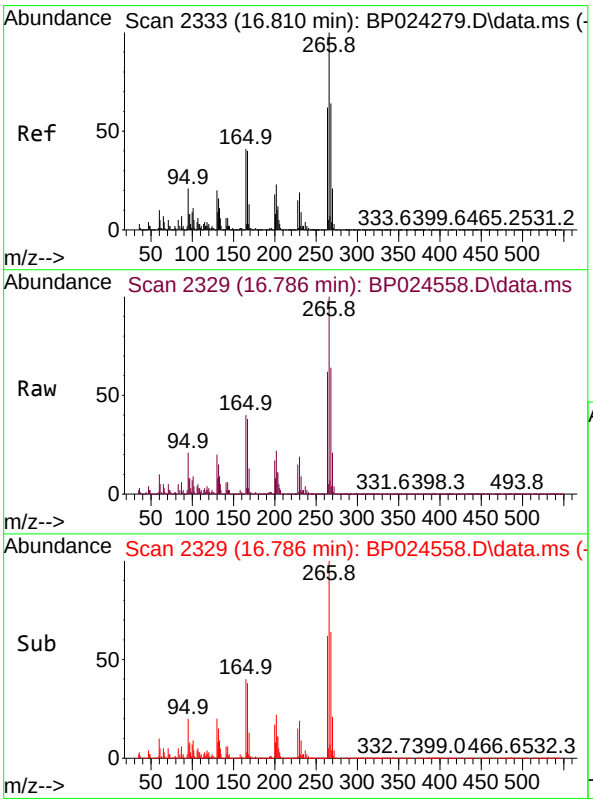
#69
Atrazine
Concen: 36.552 ng
RT: 16.592 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 285042

Ion	Ratio	Lower	Upper
200	100		
173	26.9	7.5	47.5
215	47.3	28.8	68.8

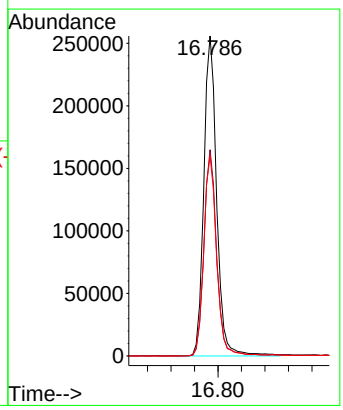


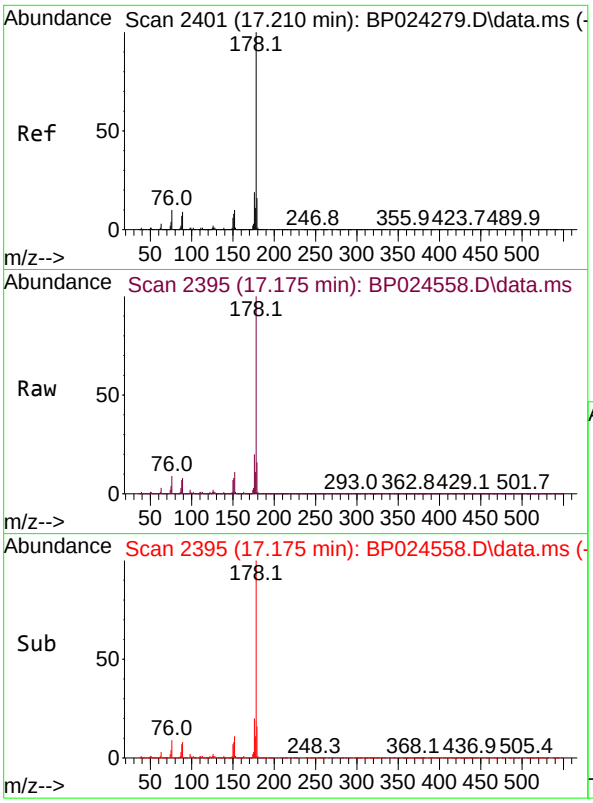


#70
Pentachlorophenol
Concen: 41.738 ng
RT: 16.786 min Scan# 2329
Delta R.T. -0.012 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:266 Resp: 388182

Ion	Ratio	Lower	Upper
266	100		
268	64.4	51.0	76.6
264	62.5	49.8	74.6



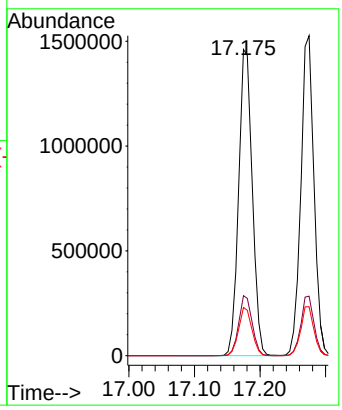


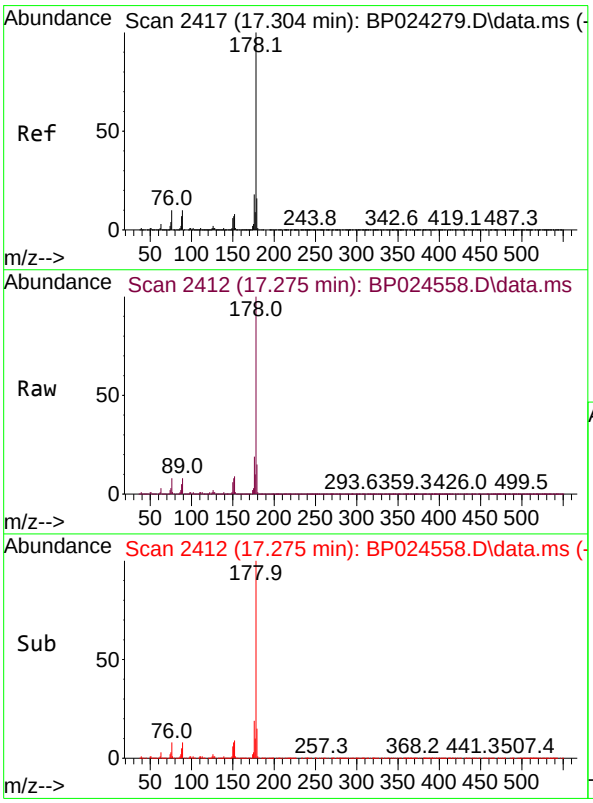
#71
Phenanthrene
Concen: 37.891 ng
RT: 17.175 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 2120420

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.0
179	15.7	12.5	18.7

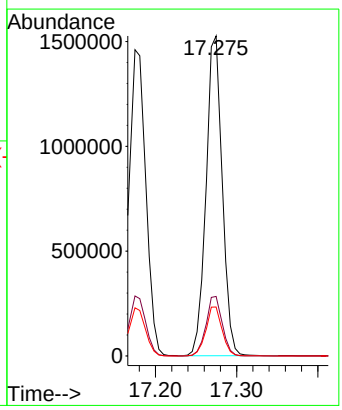


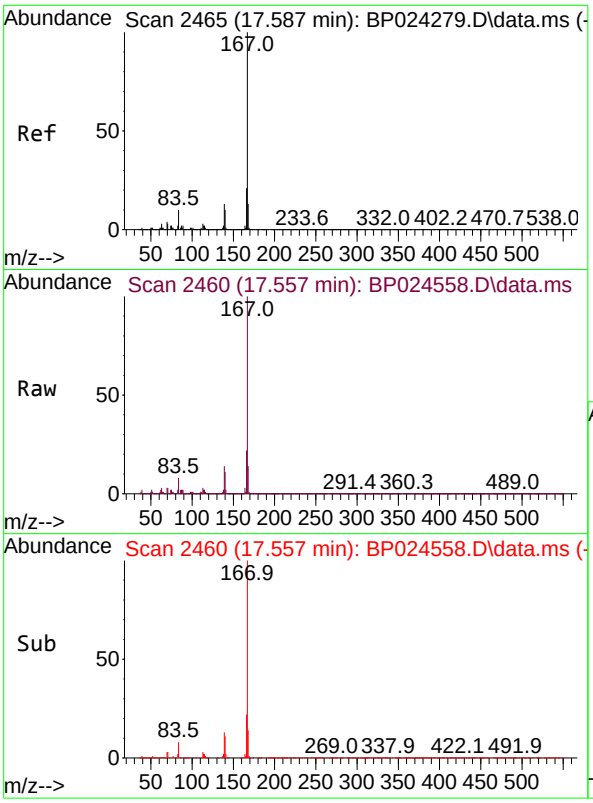


#72
Anthracene
Concen: 39.077 ng
RT: 17.275 min Scan# 2412
Delta R.T. -0.012 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:178 Resp: 2107623

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	15.3	12.4	18.6



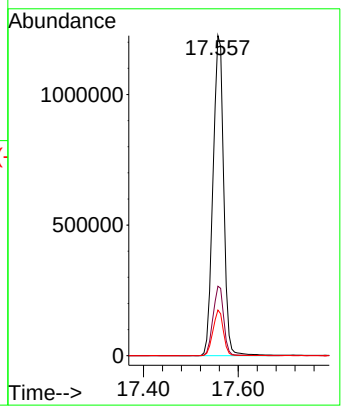


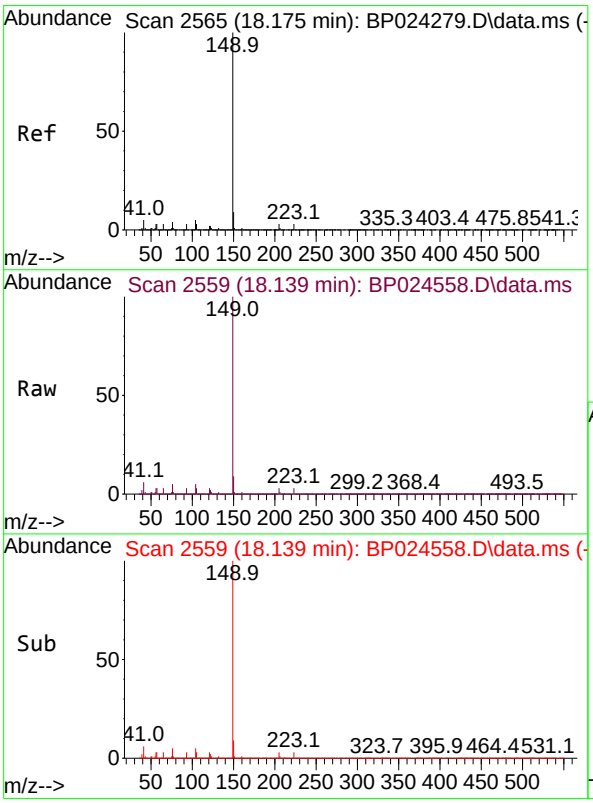
#73
Carbazole
Concen: 36.374 ng
RT: 17.557 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 1916868

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.1	25.7
139	14.2	10.6	16.0

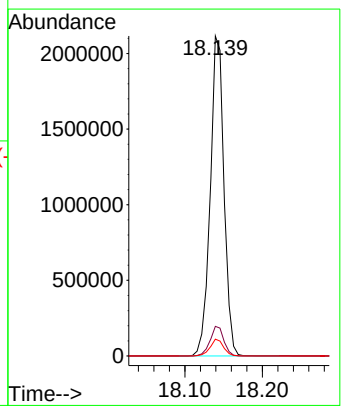


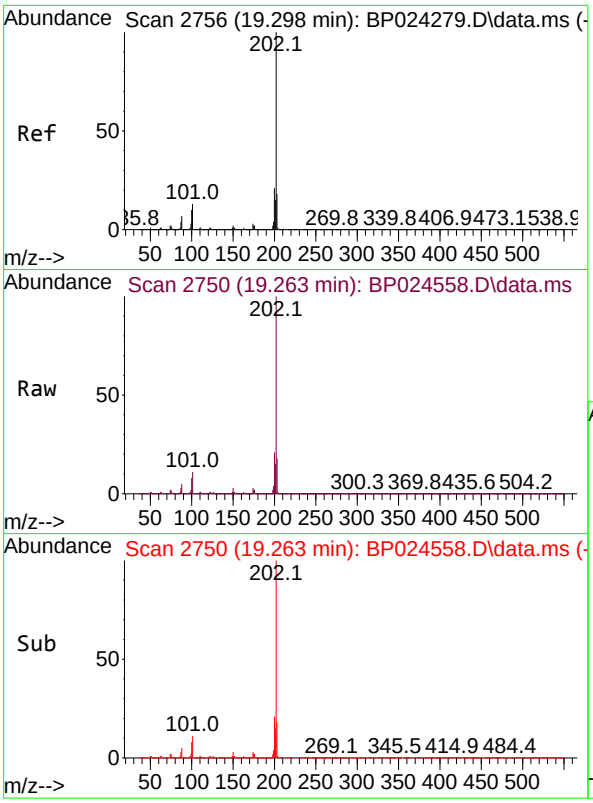


#74
Di-n-butylphthalate
Concen: 39.669 ng
RT: 18.139 min Scan# 2559
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:149 Resp: 2604486

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.3	3.9	5.9



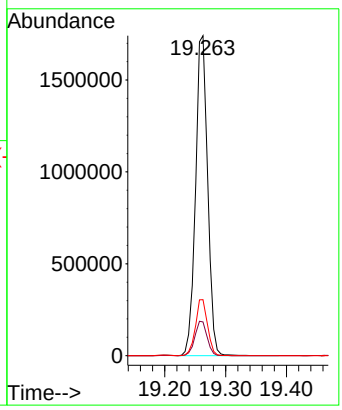


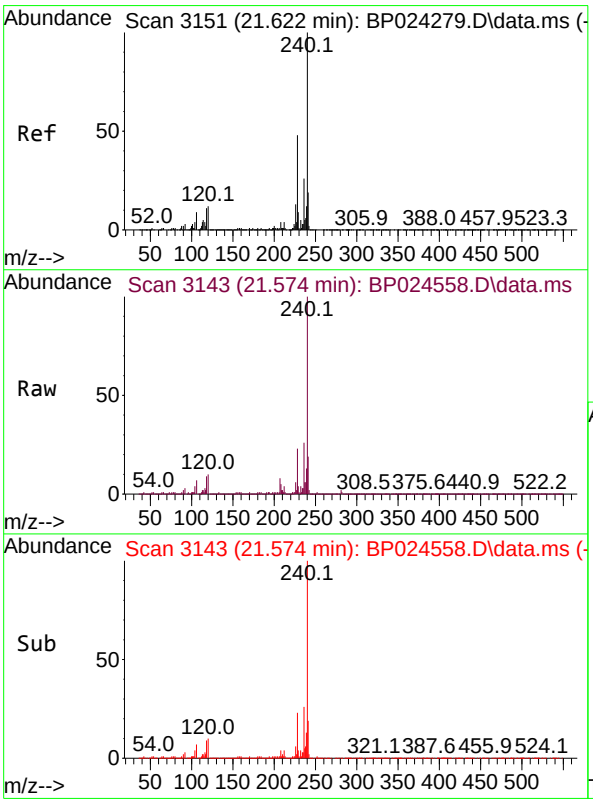
#75
Fluoranthene
Concen: 36.086 ng
RT: 19.263 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 2401730

Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	33.2
203	17.5	0.0	37.7

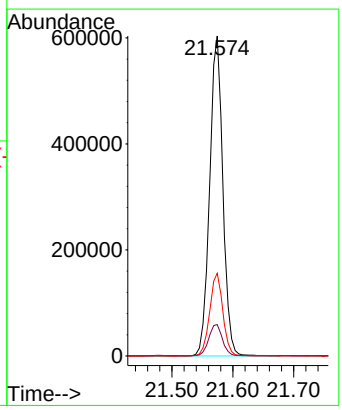


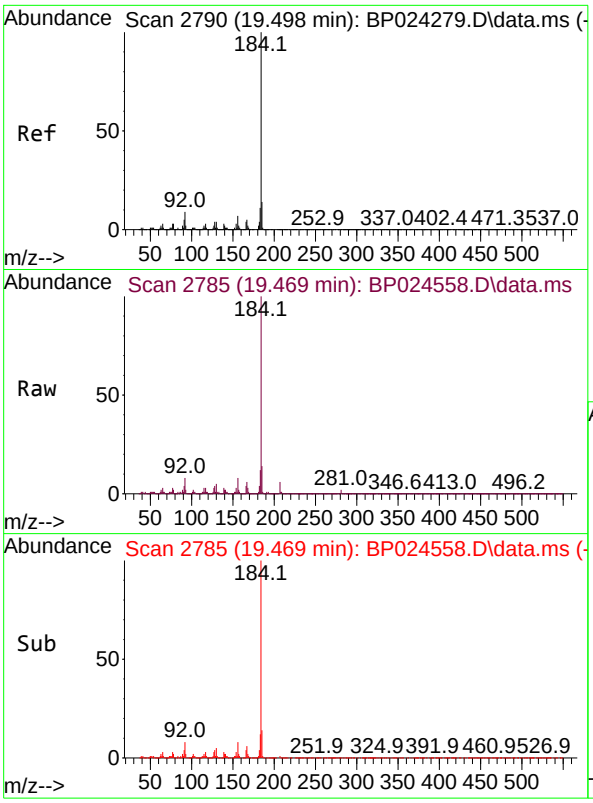


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.574 min Scan# 3143
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:240 Resp: 907323

Ion	Ratio	Lower	Upper
240	100		
120	9.8	9.8	14.8#
236	25.8	20.9	31.3



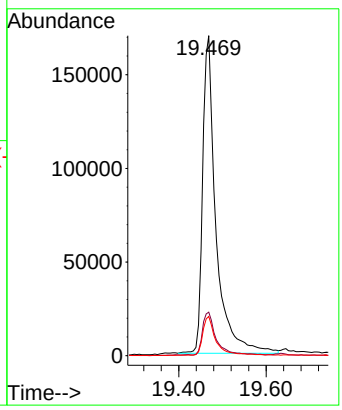


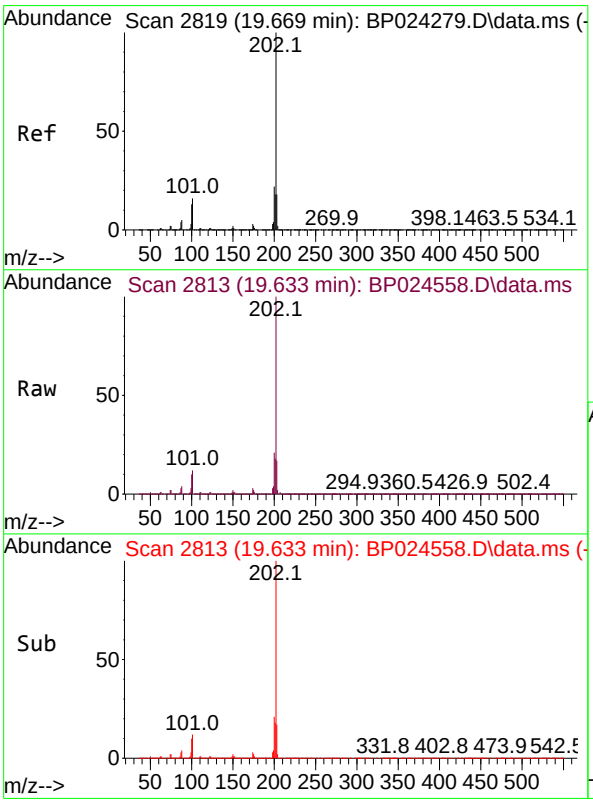
#77
Benzidine
Concen: 31.328 ng
RT: 19.469 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 360302

Ion	Ratio	Lower	Upper
184	100		
185	13.6	11.6	17.4
183	12.3	9.2	13.8

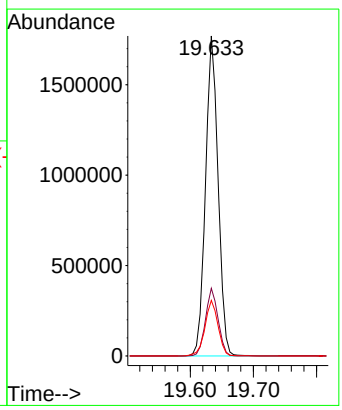


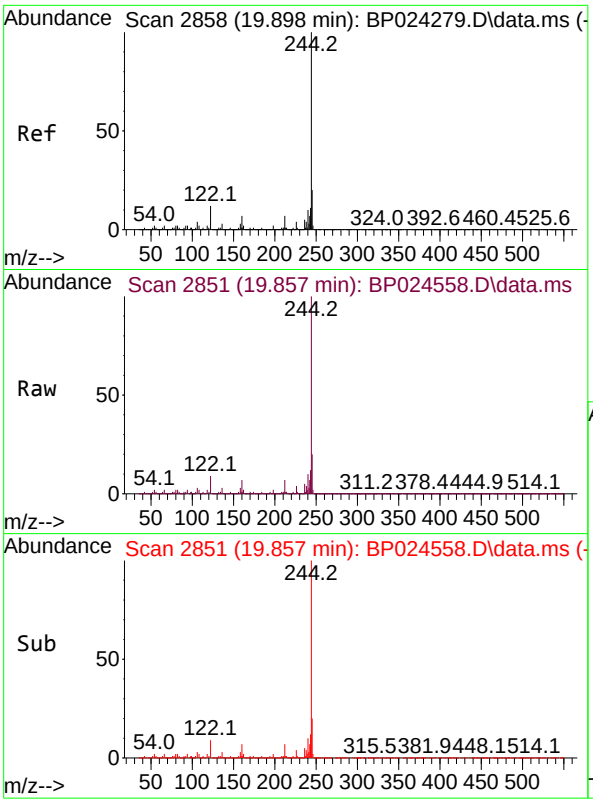


#78
Pyrene
Concen: 42.392 ng
RT: 19.633 min Scan# 2813
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:202 Resp: 2444395

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.2	25.8
203	17.3	14.4	21.6



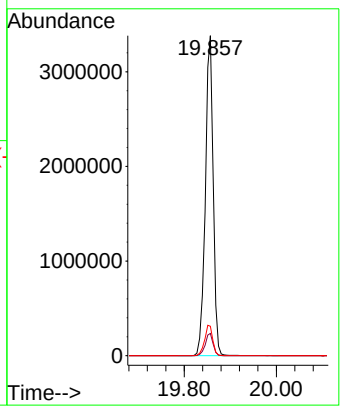


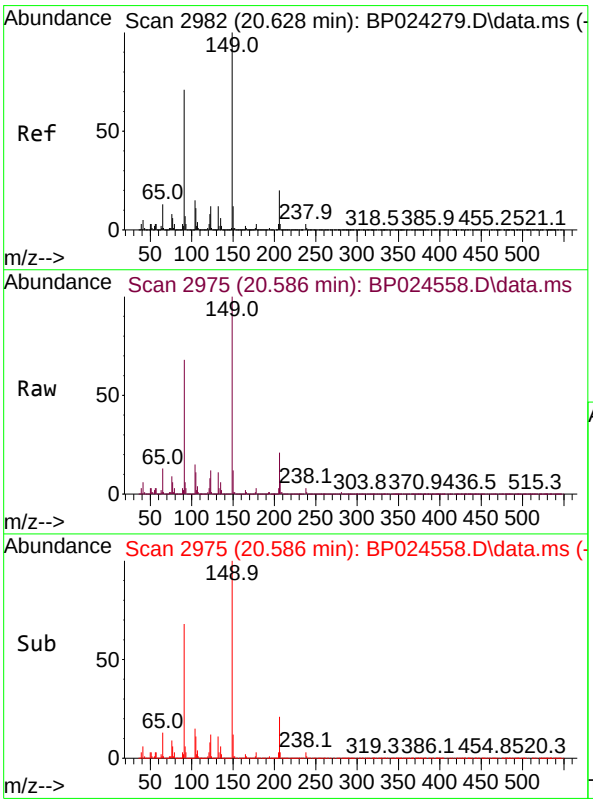
#79
Terphenyl-d14
Concen: 89.613 ng
RT: 19.857 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 4033863

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	9.2	9.4	14.0#

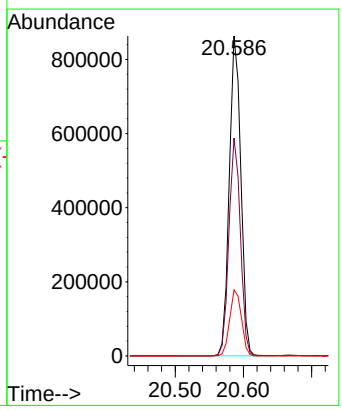


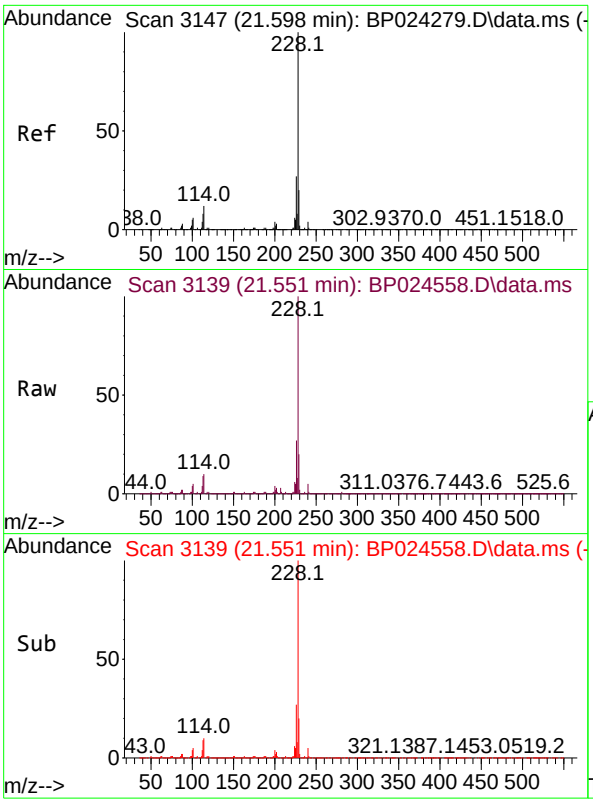


#80
Butylbenzylphthalate
Concen: 41.224 ng
RT: 20.586 min Scan# 2975
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:149 Resp: 1018145

Ion	Ratio	Lower	Upper
149	100		
91	68.1	56.4	84.6
206	20.7	16.3	24.5



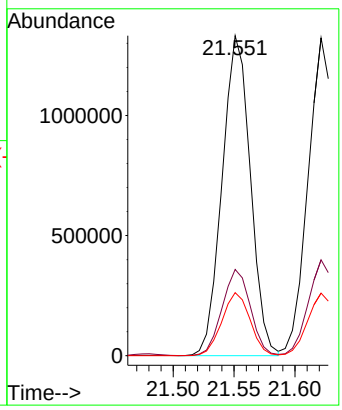


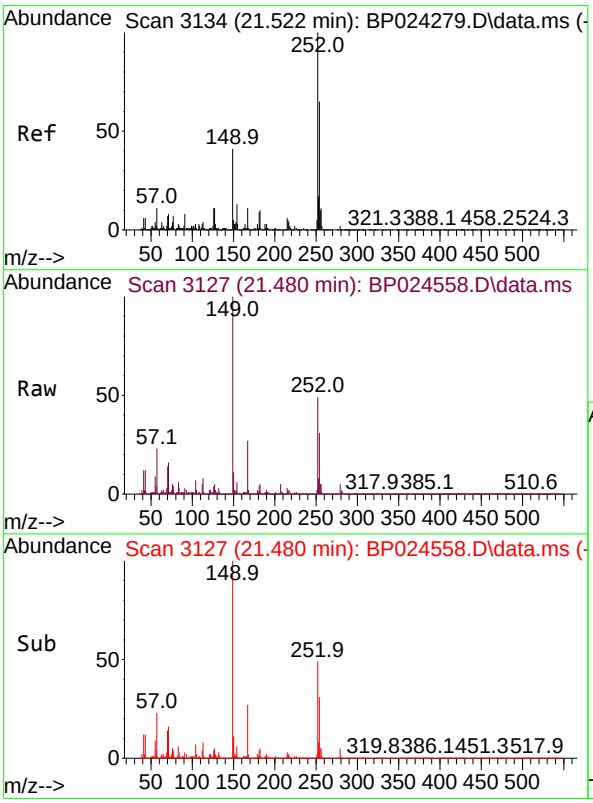
#81
Benzo(a)anthracene
Concen: 38.183 ng
RT: 21.551 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 2153349

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.8	32.8
229	19.7	15.9	23.9

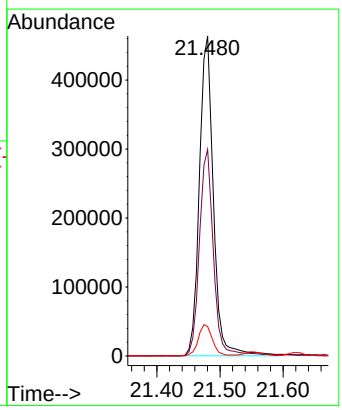


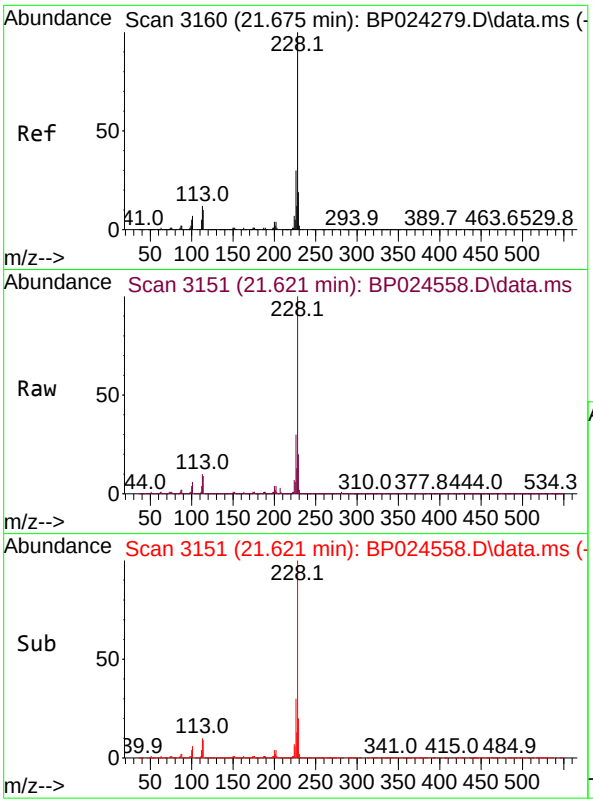


#82
3,3'-Dichlorobenzidine
Concen: 36.167 ng
RT: 21.480 min Scan# 3127
Delta R.T. -0.012 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:252 Resp: 715898

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.7	77.5
126	9.2	8.8	13.2



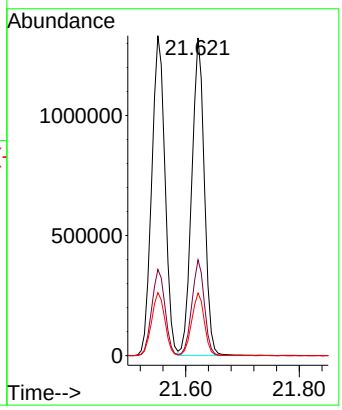


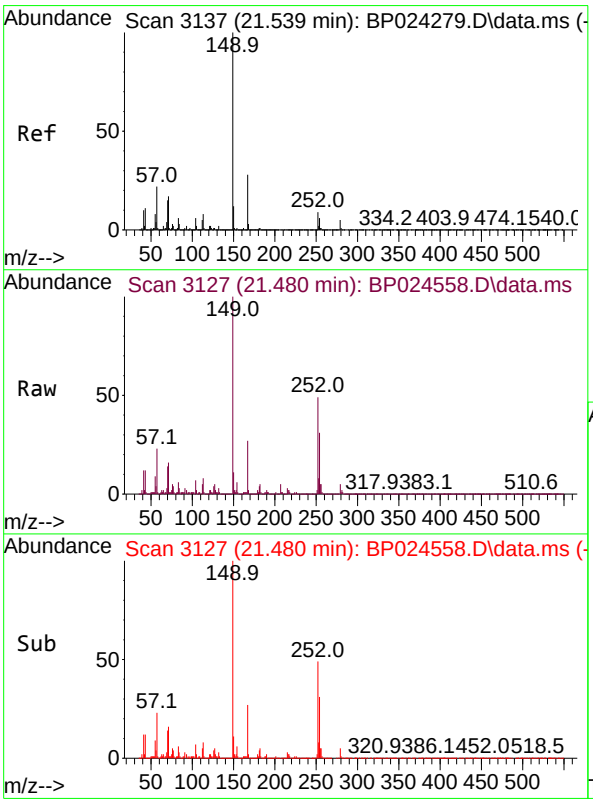
#83
Chrysene
Concen: 37.829 ng
RT: 21.621 min Scan# 31
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 2043866

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.2	36.2
229	19.7	15.6	23.4

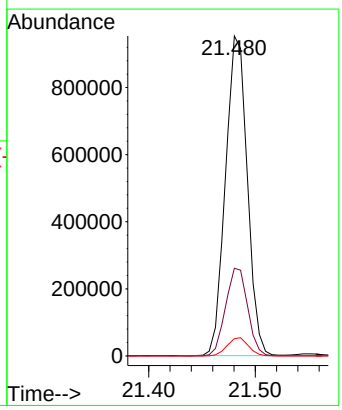


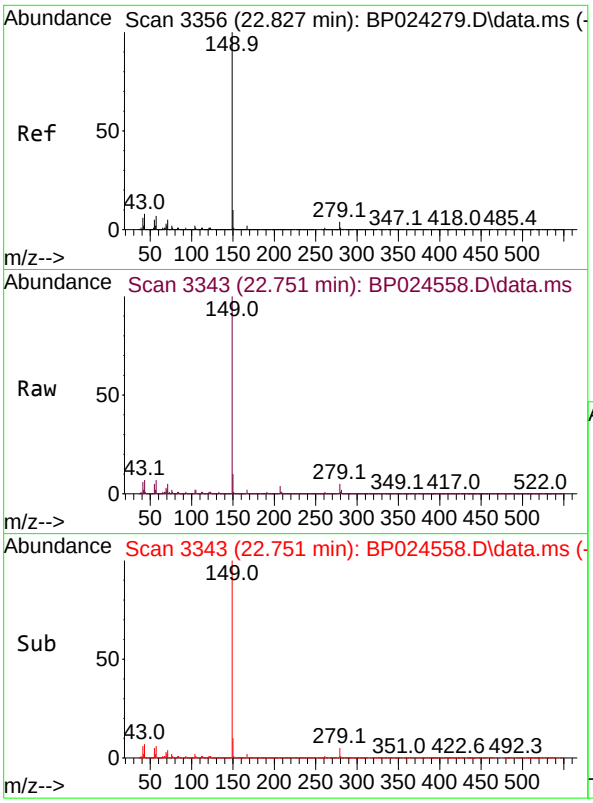


#84
Bis(2-ethylhexyl)phthalate
Concen: 37.460 ng
RT: 21.480 min Scan# 3127
Delta R.T. -0.029 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:149 Resp: 1356273

Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.4	33.6
279	5.4	4.0	6.0



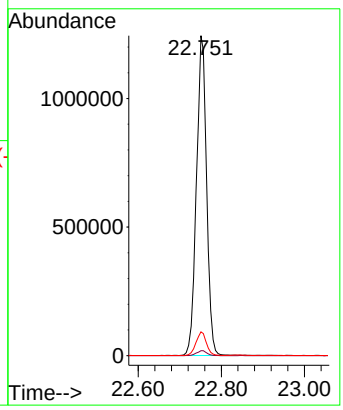


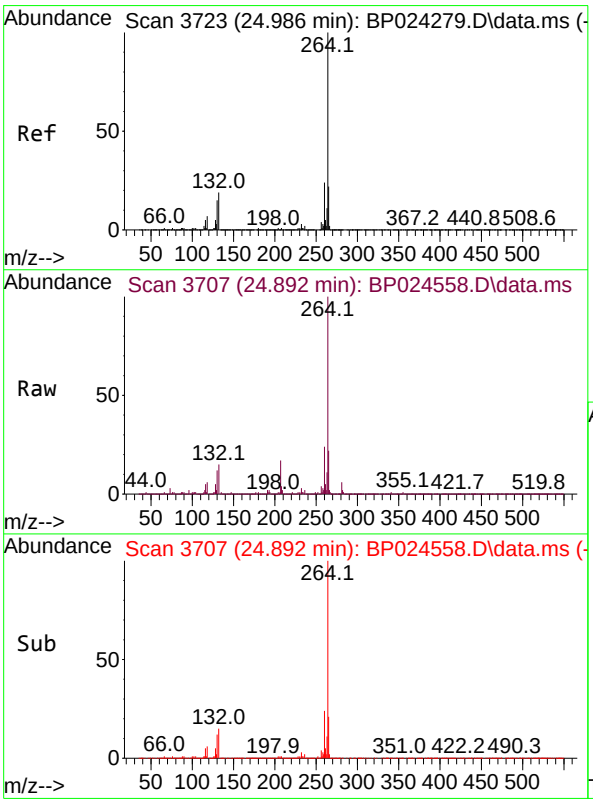
#85
Di-n-octyl phthalate
Concen: 35.797 ng
RT: 22.751 min Scan# 3
Delta R.T. -0.035 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 2107005

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.6	6.0	9.0

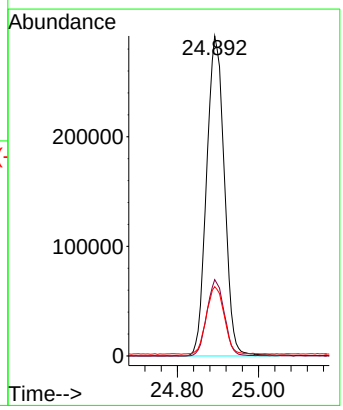


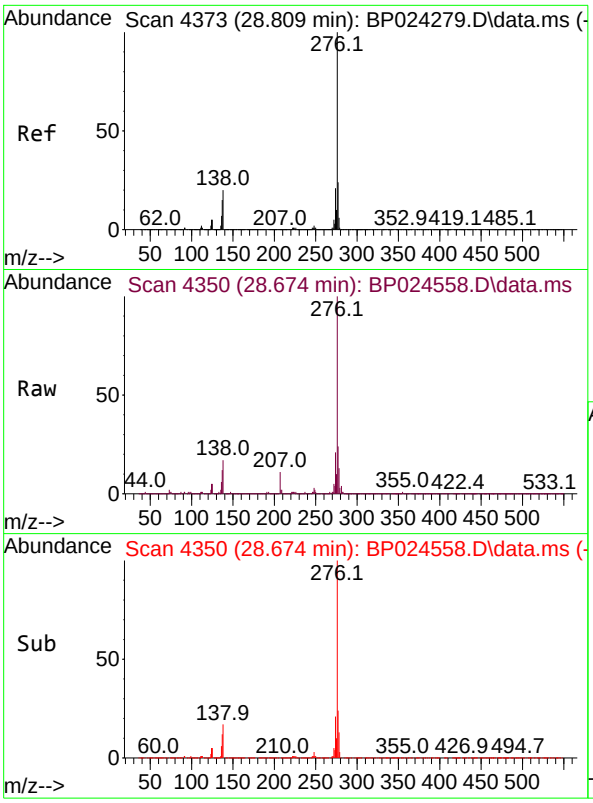


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.892 min Scan# 3707
Delta R.T. -0.041 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:264 Resp: 884811

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.9	28.3
265	21.7	17.8	26.6



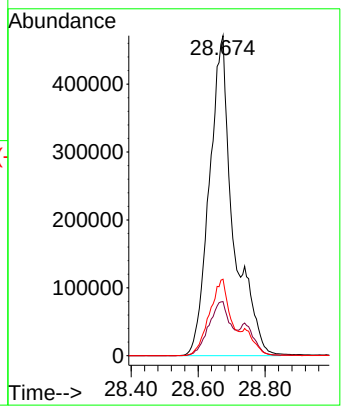


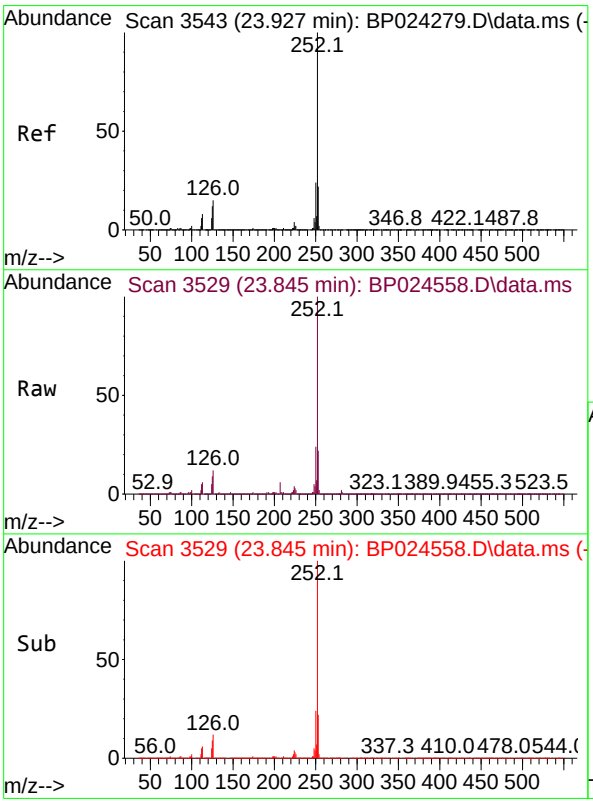
#87
Indeno(1,2,3-cd)pyrene
Concen: 38.097 ng m
RT: 28.674 min Scan# 4
Delta R.T. -0.065 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 2340231

Ion	Ratio	Lower	Upper
276	100		
138	16.0	14.5	21.7
277	21.3	20.2	30.2

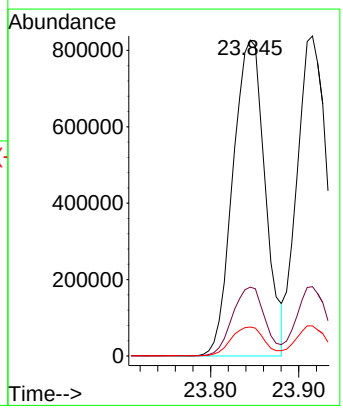


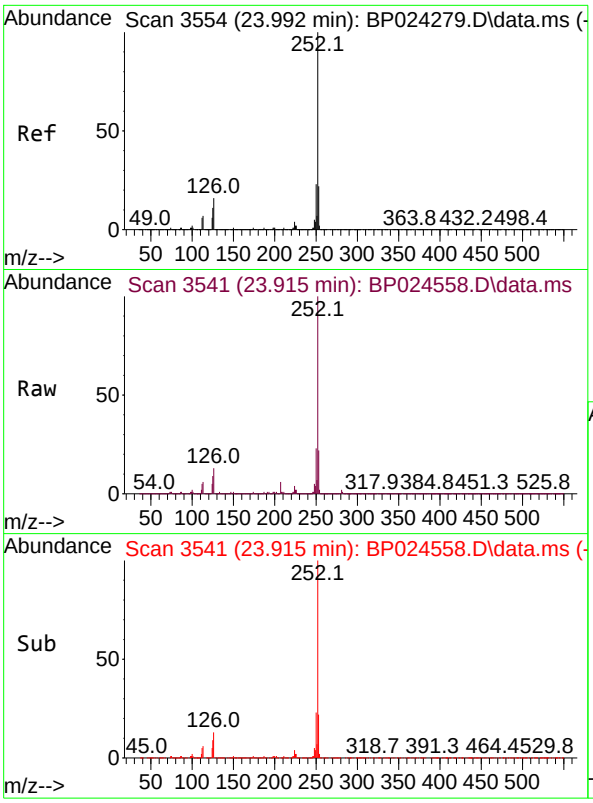


#88
Benzo(b)fluoranthene
Concen: 39.603 ng m
RT: 23.845 min Scan# 3529
Delta R.T. -0.041 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:252 Resp: 2100384

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	9.2	9.4	14.0#



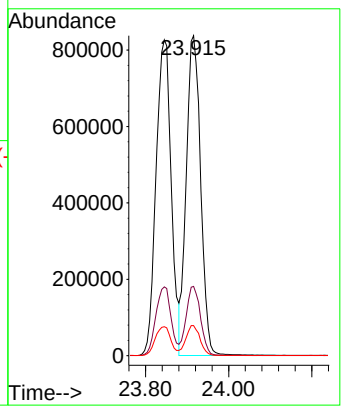


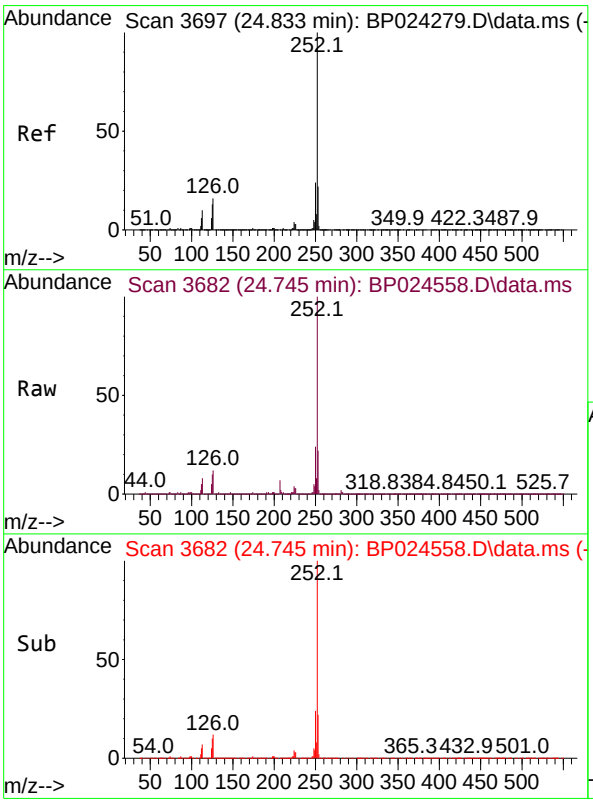
#89
Benzo(k)fluoranthene
Concen: 39.171 ng
RT: 23.915 min Scan# 3
Delta R.T. -0.041 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 2006713

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	9.4	9.1	13.7

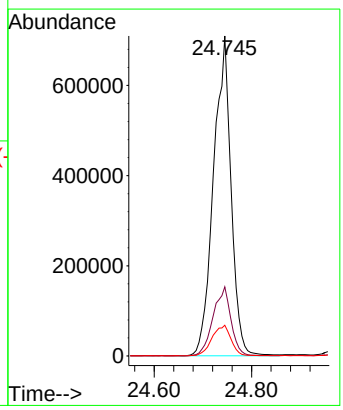


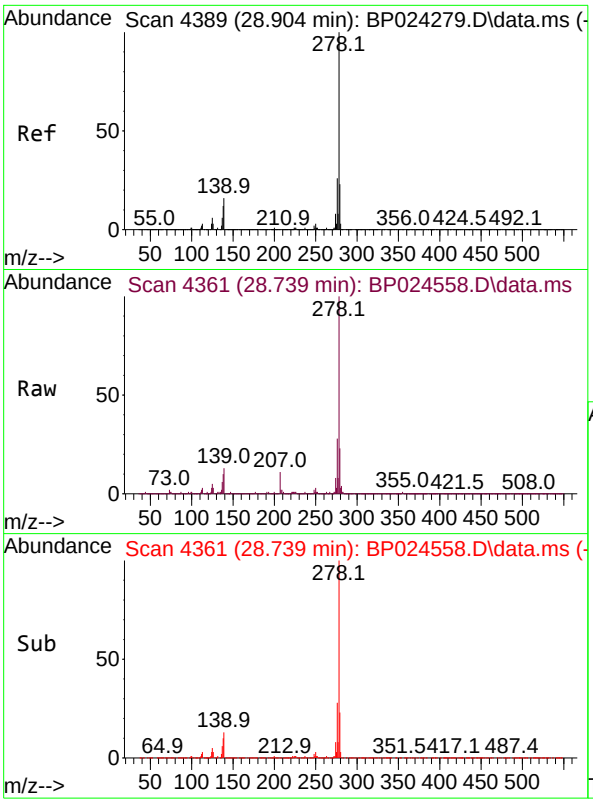


#90
Benzo(a)pyrene
Concen: 38.852 ng
RT: 24.745 min Scan# 3682
Delta R.T. -0.035 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:252 Resp: 1777452

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.6	26.4
125	9.6	10.1	15.1#



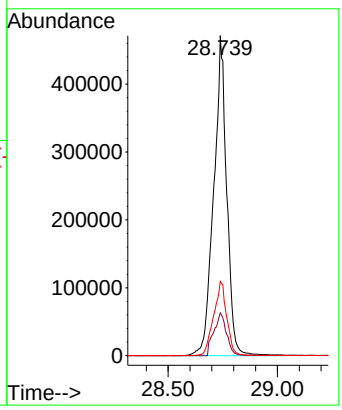


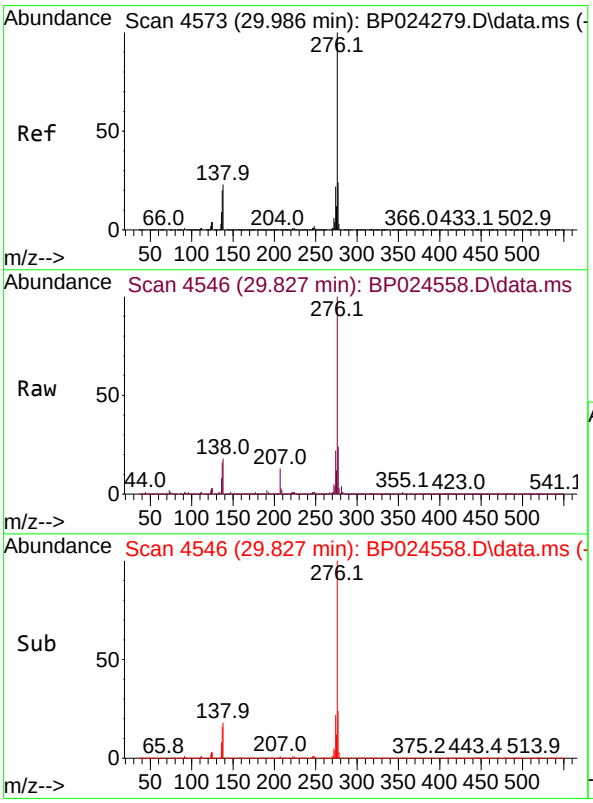
#91
Dibenzo(a,h)anthracene
Concen: 38.218 ng
RT: 28.739 min Scan# 4
Delta R.T. -0.065 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 1948616

Ion	Ratio	Lower	Upper
278	100		
139	13.4	12.6	19.0
279	23.2	18.5	27.7

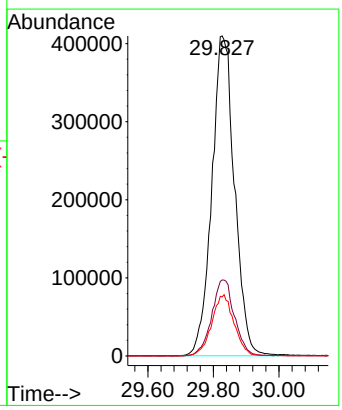




#92
Benzo(g,h,i)perylene
Concen: 37.936 ng
RT: 29.827 min Scan# 4546
Delta R.T. -0.071 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:276 Resp: 1968741

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.9	28.3
138	18.4	18.7	28.1#



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050725\
Data File : BP024558.D
Acq On : 07 May 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 07 12:26:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 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	86	-0.02
2		1,4-Dioxane	0.512	0.456	10.9	77	0.00
3		Pyridine	1.351	1.124	16.8	69	-0.01
4		n-Nitrosodimethylamine	0.448	0.485	-8.3	92	0.00
5	S	2-Fluorophenol	1.210	1.172	3.1	81	-0.02
6		Aniline	1.480	1.300	12.2	71	-0.02
7	S	Phenol-d6	1.656	1.539	7.1	76	-0.02
8		2-Chlorophenol	1.350	1.297	3.9	80	-0.02
9		Benzaldehyde	0.819	0.820	-0.1	85	-0.02
10	C	Phenol	1.661	1.533	7.7	76	-0.02
11		bis(2-Chloroethyl)ether	1.339	1.185	11.5	73	-0.02
12		1,3-Dichlorobenzene	1.454	1.385	4.7	80	-0.02
13	C	1,4-Dichlorobenzene	1.475	1.405	4.7	81	-0.02
14		1,2-Dichlorobenzene	1.424	1.353	5.0	81	-0.02
15		Benzyl Alcohol	1.071	1.089	-1.7	81	-0.02
16		2,2'-oxybis(1-Chloropropane	1.447	1.308	9.6	75	-0.03
17		2-Methylphenol	1.075	1.034	3.8	78	-0.02
18		Hexachloroethane	0.533	0.528	0.9	84	-0.02
19	P	n-Nitroso-di-n-propylamine	1.025	0.961	6.2	76	-0.02
20		3+4-Methylphenols	1.491	1.442	3.3	78	-0.02
21	I	Naphthalene-d8	1.000	1.000	0.0	84	-0.03
22		Acetophenone	0.495	0.480	3.0	78	-0.02
23	S	Nitrobenzene-d5	0.351	0.344	2.0	79	-0.02
24		Nitrobenzene	0.347	0.334	3.7	77	-0.02
25		Isophorone	0.635	0.610	3.9	76	-0.01
26	C	2-Nitrophenol	0.170	0.185	-8.8	85	-0.02
27		2,4-Dimethylphenol	0.213	0.212	0.5	79	-0.02
28		bis(2-Chloroethoxy)methane	0.429	0.389	9.3	72	-0.02
29	C	2,4-Dichlorophenol	0.291	0.299	-2.7	81	-0.02
30		1,2,4-Trichlorobenzene	0.311	0.312	-0.3	82	-0.02
31		Naphthalene	1.054	1.016	3.6	79	-0.02
32		Benzoic acid	0.248	0.232	6.5	81	0.02
33		4-Chloroaniline	0.371	0.358	3.5	76	-0.02
34	C	Hexachlorobutadiene	0.183	0.198	-8.2	88	-0.02
35		Caprolactam	0.107	0.100	6.5	75	-0.01
36	C	4-Chloro-3-methylphenol	0.339	0.349	-2.9	82	-0.02
37		2-Methylnaphthalene	0.731	0.708	3.1	79	-0.02
38		1-Methylnaphthalene	0.715	0.686	4.1	79	-0.02
39	I	Acenaphthene-d10	1.000	1.000	0.0	83	-0.02
40		1,2,4,5-Tetrachlorobenzene	0.550	0.582	-5.8	83	-0.02
41	P	Hexachlorocyclopentadiene	0.195	0.200	-2.6	76	-0.03
42	S	2,4,6-Tribromophenol	0.277	0.314	-13.4	90	0.00
43	C	2,4,6-Trichlorophenol	0.366	0.392	-7.1	83	-0.02
44		2,4,5-Trichlorophenol	0.405	0.422	-4.2	82	-0.01
45	S	2-Fluorobiphenyl	1.306	1.341	-2.7	81	-0.02
46		1,1'-Biphenyl	1.470	1.458	0.8	79	-0.02
47		2-Chloronaphthalene	1.099	1.080	1.7	78	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050725\
Data File : BP024558.D
Acq On : 07 May 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 07 12:26:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 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	0.308	0.316	-2.6	79	-0.01
49		Acenaphthylene	1.730	1.678	3.0	76	-0.02
50		Dimethylphthalate	1.454	1.412	2.9	78	-0.02
51		2,6-Dinitrotoluene	0.309	0.309	0.0	79	-0.01
52	C	Acenaphthene	1.097	1.049	4.4	77	-0.02
53		3-Nitroaniline	0.325	0.304	6.5	71	-0.01
54	P	2,4-Dinitrophenol	0.182	0.175	3.8	78	0.00
55		Dibenzofuran	1.793	1.700	5.2	77	-0.02
56	P	4-Nitrophenol	0.280	0.234	16.4	63	0.01
57		2,4-Dinitrotoluene	0.421	0.424	-0.7	78	0.00
58		Fluorene	1.388	1.335	3.8	79	-0.02
59		2,3,4,6-Tetrachlorophenol	0.373	0.374	-0.3	79	-0.02
60		Diethylphthalate	1.499	1.462	2.5	78	-0.02
61		4-Chlorophenyl-phenylether	0.674	0.673	0.1	82	-0.01
62		4-Nitroaniline	0.344	0.311	9.6	70	0.00
63		Azobenzene	1.378	1.266	8.1	73	-0.01
64	I	Phenanthrene-d10	1.000	1.000	0.0	80	-0.01
65		4,6-Dinitro-2-methylphenol	0.126	0.129	-2.4	79	0.00
66	c	n-Nitrosodiphenylamine	0.597	0.598	-0.2	76	-0.01
67		4-Bromophenyl-phenylether	0.219	0.238	-8.7	83	-0.01
68		Hexachlorobenzene	0.260	0.288	-10.8	85	-0.01
69		Atrazine	0.152	0.139	8.6	92	-0.02
70	C	Pentachlorophenol	0.181	0.189	-4.4	78	-0.01
71		Phenanthrene	1.091	1.034	5.2	74	-0.02
72		Anthracene	1.052	1.027	2.4	74	-0.01
73		Carbazole	1.027	0.934	9.1	69	-0.01
74		Di-n-butylphthalate	1.280	1.269	0.9	73	-0.02
75	C	Fluoranthene	1.298	1.171	9.8	70	-0.02
76	I	Chrysene-d12	1.000	1.000	0.0	67	-0.02
77		Benzidine	0.254	0.199	21.7	31#	-0.01
78		Pyrene	1.271	1.347	-6.0	69	-0.02
79	S	Terphenyl-d14	0.992	1.111	-12.0	72	-0.02
80		Butylbenzylphthalate	0.544	0.561	-3.1	63	-0.02
81		Benzo(a)anthracene	1.243	1.187	4.5	62	-0.02
82		3,3'-Dichlorobenzidine	0.436	0.395	9.4	55	-0.01
83		Chrysene	1.191	1.126	5.5	62	-0.02
84		Bis(2-ethylhexyl)phthalate	0.798	0.747	6.4	56	-0.03
85	c	Di-n-octyl phthalate	1.297	1.161	10.5	53	-0.04
86	I	Perylene-d12	1.000	1.000	0.0	60	-0.04
87		Indeno(1,2,3-cd)pyrene	1.388	1.322	4.8	55	-0.06
88		Benzo(b)fluoranthene	1.199	1.187	1.0	56	-0.04
89		Benzo(k)fluoranthene	1.158	1.134	2.1	56	-0.04
90	C	Benzo(a)pyrene	1.034	1.004	2.9	55	-0.04
91		Dibenzo(a,h)anthracene	1.152	1.101	4.4	55	-0.06
92		Benzo(g,h,i)perylene	1.173	1.113	5.1	54	-0.07

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050725\
Data File : BP024558.D
Acq On : 07 May 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 07 12:26:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 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\BP050725\
Data File : BP024558.D
Acq On : 07 May 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 07 12:26:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 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	86	-0.02
2		1,4-Dioxane	40.000	35.616	11.0	77	0.00
3		Pyridine	40.000	33.273	16.8	69	-0.01
4		n-Nitrosodimethylamine	40.000	43.299	-8.2	92	0.00
5	S	2-Fluorophenol	80.000	77.537	3.1	81	-0.02
6		Aniline	40.000	35.134	12.2	71	-0.02
7	S	Phenol-d6	80.000	74.335	7.1	76	-0.02
8		2-Chlorophenol	40.000	38.418	4.0	80	-0.02
9		Benzaldehyde	40.000	40.020	-0.1	85	-0.02
10	C	Phenol	40.000	36.902	7.7	76	-0.02
11		bis(2-Chloroethyl)ether	40.000	35.419	11.5	73	-0.02
12		1,3-Dichlorobenzene	40.000	38.098	4.8	80	-0.02
13	C	1,4-Dichlorobenzene	40.000	38.096	4.8	81	-0.02
14		1,2-Dichlorobenzene	40.000	37.987	5.0	81	-0.02
15		Benzyl Alcohol	40.000	40.653	-1.6	81	-0.02
16		2,2'-oxybis(1-Chloropropane	40.000	36.162	9.6	75	-0.03
17		2-Methylphenol	40.000	38.496	3.8	78	-0.02
18		Hexachloroethane	40.000	39.613	1.0	84	-0.02
19	P	n-Nitroso-di-n-propylamine	40.000	37.506	6.2	76	-0.02
20		3+4-Methylphenols	40.000	38.669	3.3	78	-0.02
21	I	Naphthalene-d8	20.000	20.000	0.0	84	-0.03
22		Acetophenone	40.000	38.780	3.0	78	-0.02
23	S	Nitrobenzene-d5	80.000	78.506	1.9	79	-0.02
24		Nitrobenzene	40.000	38.562	3.6	77	-0.02
25		Isophorone	40.000	38.431	3.9	76	-0.01
26	C	2-Nitrophenol	40.000	43.601	-9.0	85	-0.02
27		2,4-Dimethylphenol	40.000	39.777	0.6	79	-0.02
28		bis(2-Chloroethoxy)methane	40.000	36.298	9.3	72	-0.02
29	C	2,4-Dichlorophenol	40.000	41.081	-2.7	81	-0.02
30		1,2,4-Trichlorobenzene	40.000	40.087	-0.2	82	-0.02
31		Naphthalene	40.000	38.574	3.6	79	-0.02
32		Benzoic acid	40.000	37.328	6.7	81	0.02
33		4-Chloroaniline	40.000	38.605	3.5	76	-0.02
34	C	Hexachlorobutadiene	40.000	43.318	-8.3	88	-0.02
35		Caprolactam	40.000	37.215	7.0	75	-0.01
36	C	4-Chloro-3-methylphenol	40.000	41.244	-3.1	82	-0.02
37		2-Methylnaphthalene	40.000	38.780	3.0	79	-0.02
38		1-Methylnaphthalene	40.000	38.394	4.0	79	-0.02
39	I	Acenaphthene-d10	20.000	20.000	0.0	83	-0.02
40		1,2,4,5-Tetrachlorobenzene	40.000	42.304	-5.8	83	-0.02
41	P	Hexachlorocyclopentadiene	40.000	41.138	-2.8	76	-0.03
42	S	2,4,6-Tribromophenol	80.000	90.767	-13.5	90	0.00
43	C	2,4,6-Trichlorophenol	40.000	42.827	-7.1	83	-0.02
44		2,4,5-Trichlorophenol	40.000	41.710	-4.3	82	-0.01
45	S	2-Fluorobiphenyl	80.000	82.130	-2.7	81	-0.02
46		1,1'-Biphenyl	40.000	39.672	0.8	79	-0.02
47		2-Chloronaphthalene	40.000	39.317	1.7	78	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050725\
Data File : BP024558.D
Acq On : 07 May 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 07 12:26:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	41.033	-2.6	79	-0.01
49		Acenaphthylene	40.000	38.797	3.0	76	-0.02
50		Dimethylphthalate	40.000	38.821	2.9	78	-0.02
51		2,6-Dinitrotoluene	40.000	40.059	-0.1	79	-0.01
52	C	Acenaphthene	40.000	38.265	4.3	77	-0.02
53		3-Nitroaniline	40.000	37.414	6.5	71	-0.01
54	P	2,4-Dinitrophenol	40.000	38.555	3.6	78	0.00
55		Dibenzofuran	40.000	37.935	5.2	77	-0.02
56	P	4-Nitrophenol	40.000	33.429	16.4	63	0.01
57		2,4-Dinitrotoluene	40.000	40.250	-0.6	78	0.00
58		Fluorene	40.000	38.488	3.8	79	-0.02
59		2,3,4,6-Tetrachlorophenol	40.000	40.053	-0.1	79	-0.02
60		Diethylphthalate	40.000	39.030	2.4	78	-0.02
61		4-Chlorophenyl-phenylether	40.000	39.960	0.1	82	-0.01
62		4-Nitroaniline	40.000	36.208	9.5	70	0.00
63		Azobenzene	40.000	36.753	8.1	73	-0.01
64	I	Phenanthrene-d10	20.000	20.000	0.0	80	-0.01
65		4,6-Dinitro-2-methylphenol	40.000	41.018	-2.5	79	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.082	-0.2	76	-0.01
67		4-Bromophenyl-phenylether	40.000	43.456	-8.6	83	-0.01
68		Hexachlorobenzene	40.000	44.327	-10.8	85	-0.01
69		Atrazine	40.000	36.552	8.6	92	-0.02
70	C	Pentachlorophenol	40.000	41.738	-4.3	78	-0.01
71		Phenanthrene	40.000	37.891	5.3	74	-0.02
72		Anthracene	40.000	39.077	2.3	74	-0.01
73		Carbazole	40.000	36.374	9.1	69	-0.01
74		Di-n-butylphthalate	40.000	39.669	0.8	73	-0.02
75	C	Fluoranthene	40.000	36.086	9.8	70	-0.02
76	I	Chrysene-d12	20.000	20.000	0.0	67	-0.02
77		Benzidine	40.000	31.328	21.7	31	-0.01
78		Pyrene	40.000	42.392	-6.0	69	-0.02
79	S	Terphenyl-d14	80.000	89.613	-12.0	72	-0.02
80		Butylbenzylphthalate	40.000	41.224	-3.1	63	-0.02
81		Benzo(a)anthracene	40.000	38.183	4.5	62	-0.02
82		3,3'-Dichlorobenzidine	40.000	36.167	9.6	55	-0.01
83		Chrysene	40.000	37.829	5.4	62	-0.02
84		Bis(2-ethylhexyl)phthalate	40.000	37.460	6.3	56	-0.03
85	c	Di-n-octyl phthalate	40.000	35.797	10.5	53	-0.04
86	I	Perylene-d12	20.000	20.000	0.0	60	-0.04
87		Indeno(1,2,3-cd)pyrene	40.000	38.097	4.8	55	-0.06
88		Benzo(b)fluoranthene	40.000	39.603	1.0	56	-0.04
89		Benzo(k)fluoranthene	40.000	39.171	2.1	56	-0.04
90	C	Benzo(a)pyrene	40.000	38.852	2.9	55	-0.04
91		Dibenzo(a,h)anthracene	40.000	38.218	4.5	55	-0.06
92		Benzo(g,h,i)perylene	40.000	37.936	5.2	54	-0.07

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050725\
Data File : BP024558.D
Acq On : 07 May 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 07 12:26:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 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: NOBI03

Lab Code: CHEM Case No.: Q1883 SAS No.: Q1883 SDG No.: Q1883

Instrument ID: BNA_P Calibration Date/Time: 05/07/2025 16:43

Lab File ID: BP024566.D Init. Calib. Date(s): 04/14/2025 04/14/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 11:06 17:13

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.210	1.185		-2.1	50.0
Phenol-d6	1.656	1.497		-9.6	50.0
Nitrobenzene-d5	0.351	0.346		-1.4	50.0
Naphthalene	1.054	0.998		-5.3	50.0
2-Methylnaphthalene	0.731	0.699		-4.4	50.0
2-Fluorobiphenyl	1.306	1.259		-3.6	50.0
Acenaphthylene	1.730	1.659		-4.1	50.0
Acenaphthene	1.097	1.041		-5.1	50.0
Fluorene	1.388	1.337		-3.7	50.0
2,4,6-Tribromophenol	0.277	0.322		16.2	50.0
Phenanthrene	1.091	1.031		-5.5	50.0
Anthracene	1.052	1.040		-1.1	50.0
Fluoranthene	1.298	1.314		1.2	50.0
Pyrene	1.271	1.115		-12.3	50.0
Terphenyl-d14	0.992	0.950		-4.2	50.0
Benzo(a)anthracene	1.243	1.199		-3.5	50.0
Chrysene	1.191	1.141		-4.2	50.0
Benzo(b)fluoranthene	1.199	1.147		-4.3	50.0
Benzo(k)fluoranthene	1.158	1.079		-6.8	50.0
Benzo(a)pyrene	1.034	1.000		-3.3	50.0
Indeno(1,2,3-cd)pyrene	1.388	1.371		-1.2	50.0
Dibenzo(a,h)anthracene	1.152	1.138		-1.2	50.0
Benzo(g,h,i)perylene	1.173	1.145		-2.4	50.0

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050725\
Data File : BP024566.D
Acq On : 07 May 2025 16:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Quant Time: May 07 17:03:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.699	152	138257	20.000	ng	-0.02
21) Naphthalene-d8	10.475	136	544120	20.000	ng	#-0.02
39) Acenaphthene-d10	14.334	164	348461	20.000	ng	-0.02
64) Phenanthrene-d10	17.133	188	701754	20.000	ng	-0.01
76) Chrysene-d12	21.580	240	862550	20.000	ng	-0.01
86) Perylene-d12	24.898	264	1057764	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	655537	78.398	ng	-0.02
7) Phenol-d6	6.893	99	828029	72.320	ng	-0.02
23) Nitrobenzene-d5	8.846	82	753165	78.928	ng	-0.02
42) 2,4,6-Tribromophenol	15.857	330	449260	93.185	ng	0.00
45) 2-Fluorobiphenyl	12.945	172	1755016	77.114	ng	-0.02
79) Terphenyl-d14	19.863	244	3278159	76.605	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.275	88	131758	37.253	ng	# 94
3) Pyridine	3.675	79	319398	34.200	ng	92
4) n-Nitrosodimethylamine	3.581	42	136407	44.009	ng	# 76
6) Aniline	7.046	93	330711	32.324	ng	99
8) 2-Chlorophenol	7.281	128	354417	37.963	ng	99
9) Benzaldehyde	6.858	77	231108	40.806	ng	98
10) Phenol	6.916	94	408458	35.563	ng	90
11) bis(2-Chloroethyl)ether	7.134	93	317387	34.297	ng	97
12) 1,3-Dichlorobenzene	7.593	146	379429	37.752	ng	99
13) 1,4-Dichlorobenzene	7.734	146	387776	38.026	ng	99
14) 1,2-Dichlorobenzene	8.052	146	370165	37.592	ng	99
15) Benzyl Alcohol	7.946	79	280488	37.881	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.228	45	344227	34.414	ng	100
17) 2-Methylphenol	8.152	107	276882	37.265	ng	97
18) Hexachloroethane	8.769	117	143498	38.938	ng	97
19) n-Nitroso-di-n-propyla...	8.499	70	243323	34.351	ng	94
20) 3+4-Methylphenols	8.475	107	376144	36.485	ng	97
22) Acetophenone	8.516	105	523542	38.875	ng	# 97
24) Nitrobenzene	8.893	77	364383	38.600	ng	99
25) Isophorone	9.410	82	640750	37.097	ng	99
26) 2-Nitrophenol	9.599	139	196933	42.630	ng	95
27) 2,4-Dimethylphenol	9.663	122	224905	38.773	ng	98
28) bis(2-Chloroethoxy)met...	9.887	93	411462	35.264	ng	99
29) 2,4-Dichlorophenol	10.146	162	321106	40.600	ng	98
30) 1,2,4-Trichlorobenzene	10.340	180	340718	40.208	ng	99
31) Naphthalene	10.522	128	1085946	37.888	ng	99
32) Benzoic acid	9.822	122	246884	36.527	ng	98
33) 4-Chloroaniline	10.646	127	372271	36.882	ng	99
34) Hexachlorobutadiene	10.804	225	214306	43.037	ng	98
35) Caprolactam	11.428	113	116993	40.090	ng	93
36) 4-Chloro-3-methylphenol	11.781	107	369984	40.163	ng	99
37) 2-Methylnaphthalene	12.134	142	761169	38.292	ng	97
38) 1-Methylnaphthalene	12.357	142	735198	37.807	ng	99
40) 1,2,4,5-Tetrachloroben...	12.510	216	384784	40.154	ng	100
41) Hexachlorocyclopentadiene	12.487	237	134639	39.726	ng	98
43) 2,4,6-Trichlorophenol	12.757	196	258270	40.538	ng	96

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050725\
Data File : BP024566.D
Acq On : 07 May 2025 16:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Quant Time: May 07 17:03:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

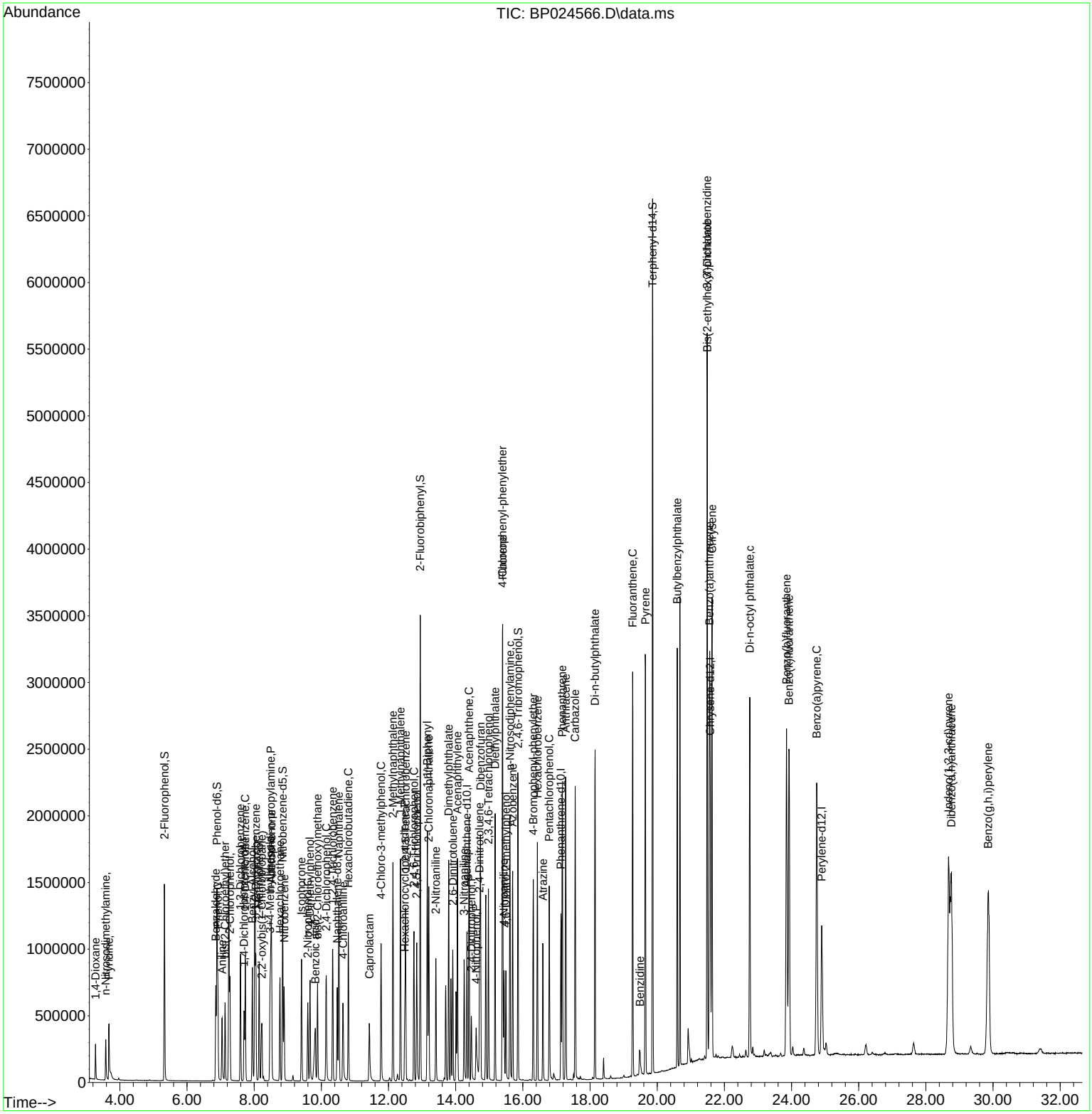
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.840	196	286518	40.611	ng		98
46) 1,1'-Biphenyl	13.157	154	984863	38.451	ng		98
47) 2-Chloronaphthalene	13.198	162	733529	38.318	ng		97
48) 2-Nitroaniline	13.410	65	226645	42.207	ng		95
49) Acenaphthylene	14.051	152	1156160	38.360	ng		99
50) Dimethylphthalate	13.792	163	1002391	39.556	ng		100
51) 2,6-Dinitrotoluene	13.916	165	221436	41.151	ng		90
52) Acenaphthene	14.398	154	725415	37.965	ng		99
53) 3-Nitroaniline	14.251	138	231947	41.012	ng		98
54) 2,4-Dinitrophenol	14.469	184	132764	41.885	ng		92
55) Dibenzofuran	14.739	168	1195227	38.268	ng		97
56) 4-Nitrophenol	14.610	139	181927	37.246	ng		87
57) 2,4-Dinitrotoluene	14.710	165	319761	43.562	ng		97
58) Fluorene	15.398	166	931853	38.541	ng		100
59) 2,3,4,6-Tetrachlorophenol	14.975	232	265848	40.855	ng		98
60) Diethylphthalate	15.175	149	1043496	39.959	ng		100
61) 4-Chlorophenyl-phenyle...	15.392	204	461433	39.301	ng		96
62) 4-Nitroaniline	15.439	138	242932m	40.576	ng		
63) Azobenzene	15.698	77	891201	37.130	ng		95
65) 4,6-Dinitro-2-methylph...	15.498	198	182050	41.148	ng		96
66) n-Nitrosodiphenylamine	15.616	169	796456	38.025	ng		99
67) 4-Bromophenyl-phenylether	16.310	248	310972	40.518	ng		99
68) Hexachlorobenzene	16.434	284	384176	42.125	ng		98
69) Atrazine	16.598	200	198839	37.273	ng		99
70) Pentachlorophenol	16.786	266	260722	40.979	ng		99
71) Phenanthrene	17.175	178	1446648	37.789	ng		99
72) Anthracene	17.275	178	1459070	39.545	ng		100
73) Carbazole	17.557	167	1450351	40.230	ng		98
74) Di-n-butylphthalate	18.151	149	1856049	41.324	ng		100
75) Fluoranthene	19.269	202	1843847	40.497	ng		97
77) Benzidine	19.486	184	203326	18.597	ng		99
78) Pyrene	19.651	202	1923076	35.082	ng		99
80) Butylbenzylphthalate	20.598	149	932320	39.709	ng		96
81) Benzo(a)anthracene	21.557	228	2068763	38.587	ng		100
82) 3,3'-Dichlorobenzidine	21.486	252	767952	40.811	ng		99
83) Chrysene	21.633	228	1968699	38.329	ng		99
84) Bis(2-ethylhexyl)phtha...	21.492	149	1389970	40.383	ng		99
85) Di-n-octyl phthalate	22.757	149	2443057	43.660	ng		100
87) Indeno(1,2,3-cd)pyrene	28.674	276	2899918	39.490	ng		97
88) Benzo(b)fluoranthene	23.851	252	2426256	38.267	ng	#	97
89) Benzo(k)fluoranthene	23.921	252	2282969	37.277	ng		98
90) Benzo(a)pyrene	24.751	252	2115084	38.673	ng	#	97
91) Dibenzo(a,h)anthracene	28.762	278	2408286	39.511	ng		97
92) Benzo(g,h,i)perylene	29.850	276	2422819	39.052	ng	#	94

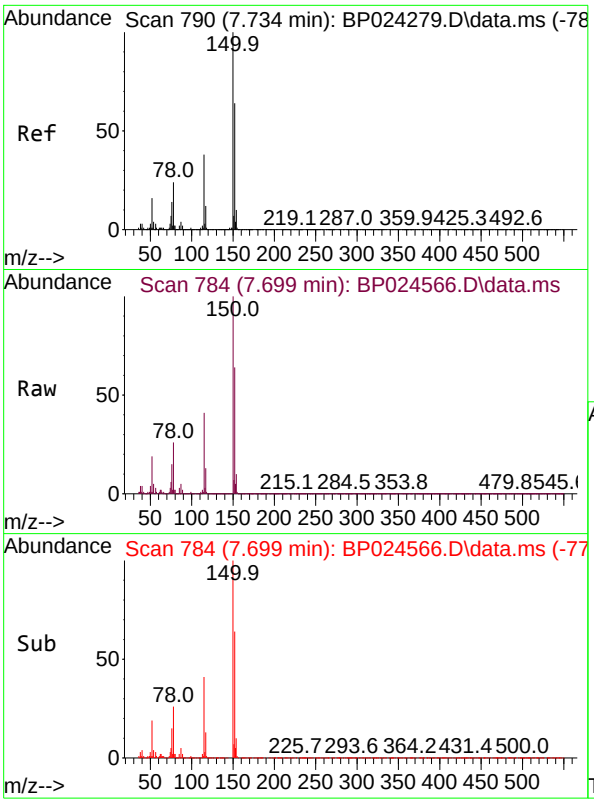
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050725\
Data File : BP024566.D
Acq On : 07 May 2025 16:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Quant Time: May 07 17:03:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration



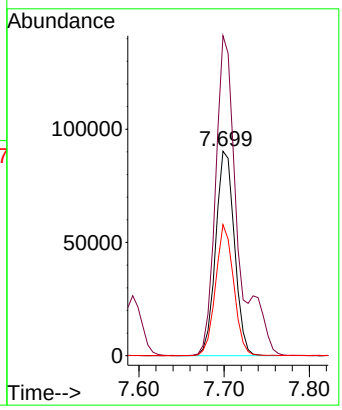


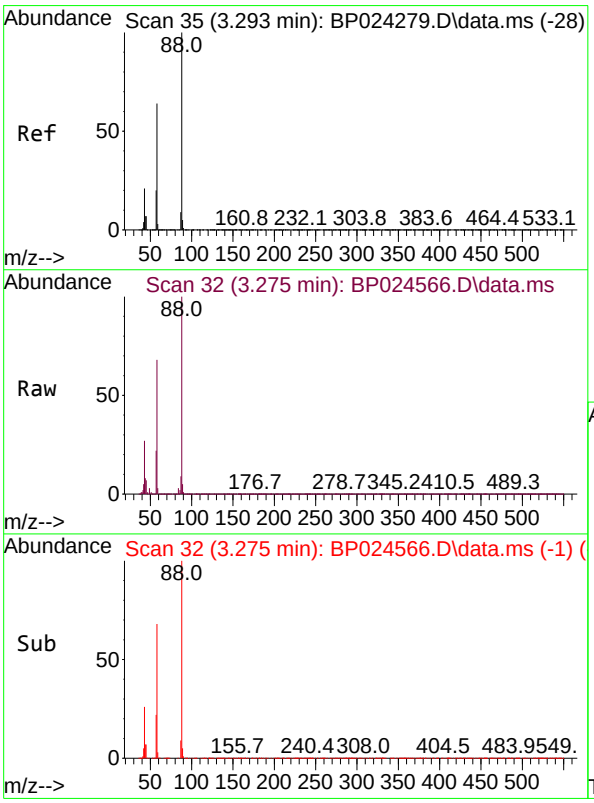
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.699 min Scan# 7
Delta R.T. -0.023 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 138257

Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.9	187.3
115	64.1	47.7	71.5

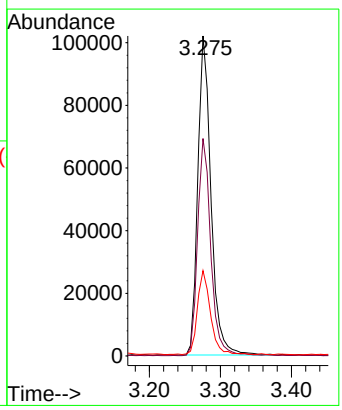


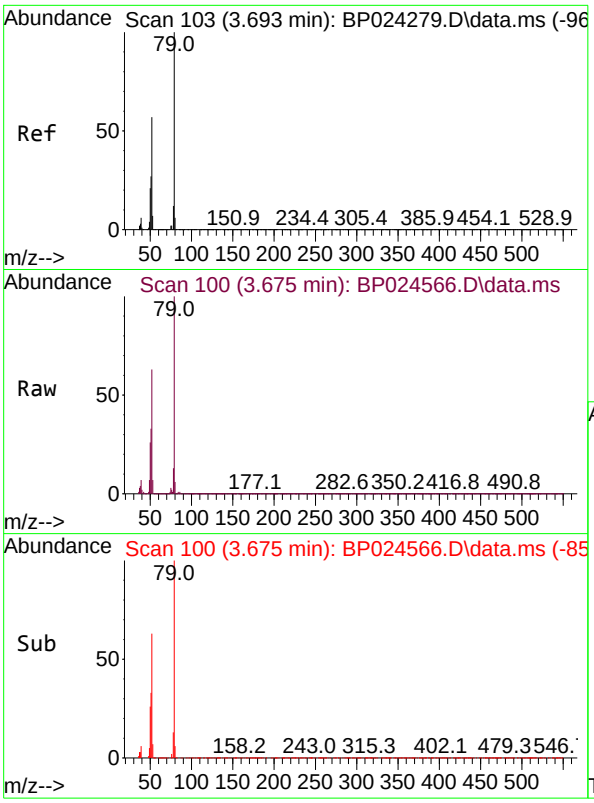


#2
1,4-Dioxane
Concen: 37.253 ng
RT: 3.275 min Scan# 32
Delta R.T. -0.012 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion: 88 Resp: 131758

Ion	Ratio	Lower	Upper
88	100		
58	68.0	51.4	77.2
43	26.1	17.1	25.7#



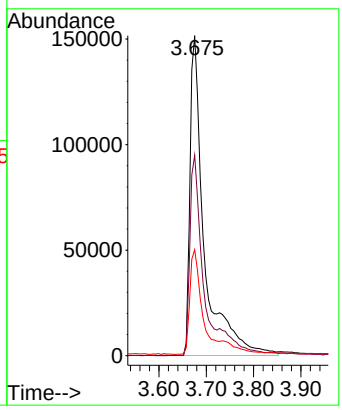


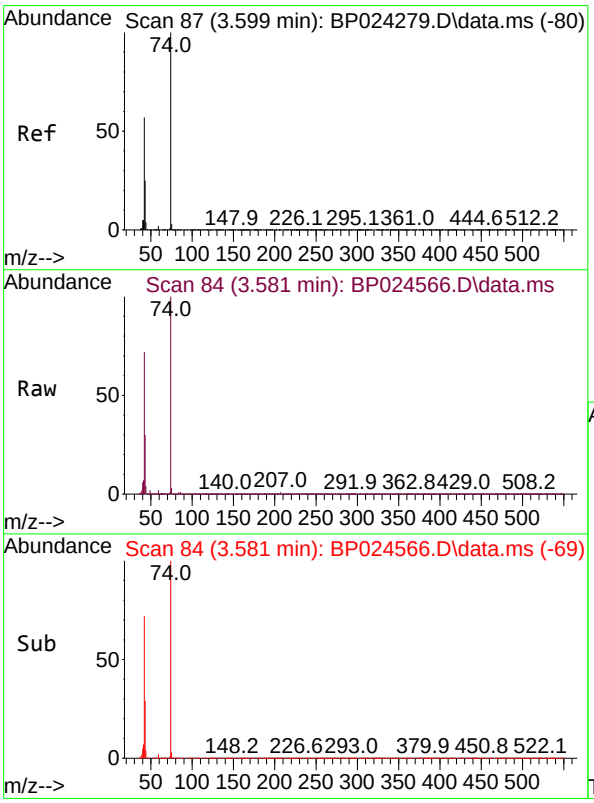
#3
Pyridine
Concen: 34.200 ng
RT: 3.675 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 319398

Ion	Ratio	Lower	Upper
79	100		
52	62.7	45.4	68.2
51	33.1	22.6	33.8

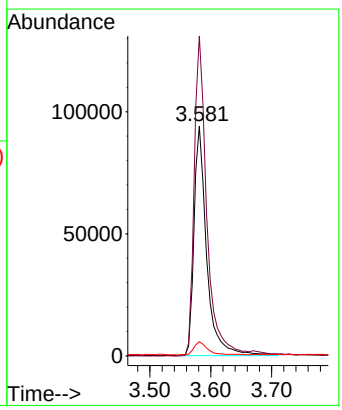


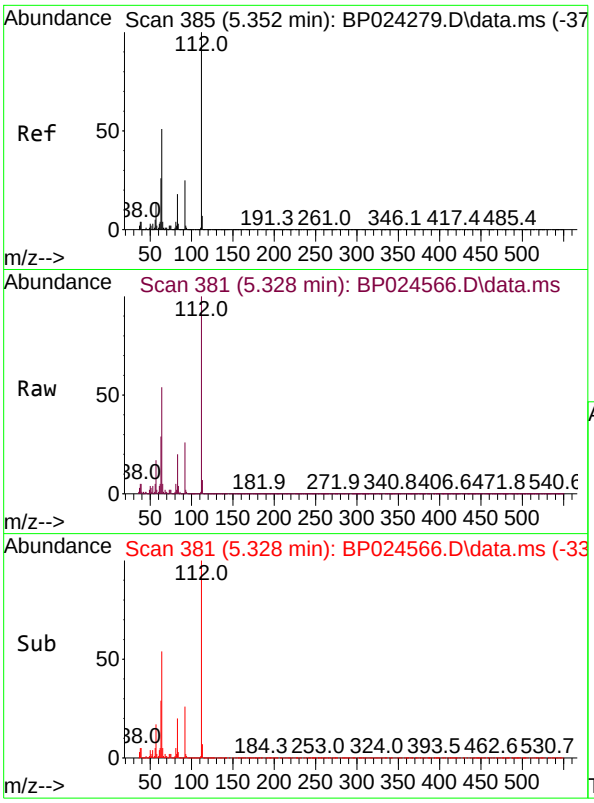


#4
n-Nitrosodimethylamine
Concen: 44.009 ng
RT: 3.581 min Scan# 84
Delta R.T. -0.012 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion: 42 Resp: 136407

Ion	Ratio	Lower	Upper
42	100		
74	139.2	139.5	209.3#
44	6.2	5.8	8.8



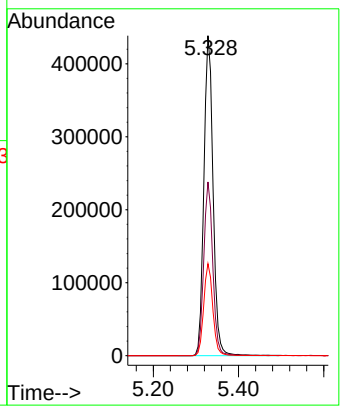


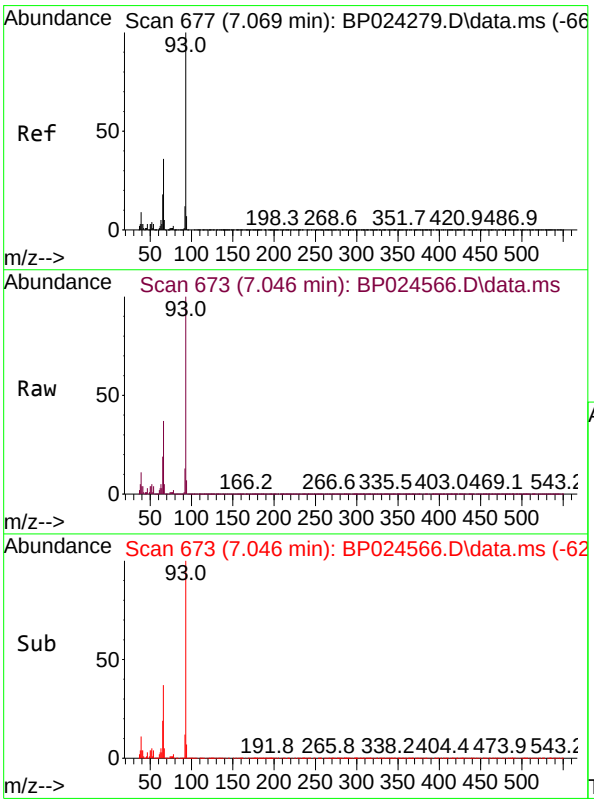
#5
2-Fluorophenol
Concen: 78.398 ng
RT: 5.328 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:112 Resp: 655537

Ion	Ratio	Lower	Upper
112	100		
64	54.3	41.1	61.7
63	28.7	20.6	30.8

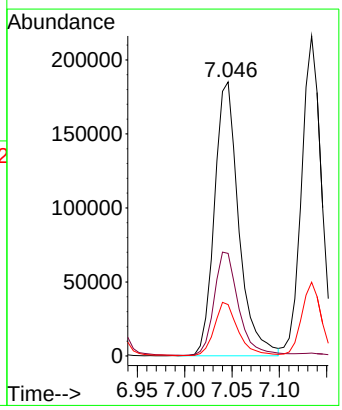


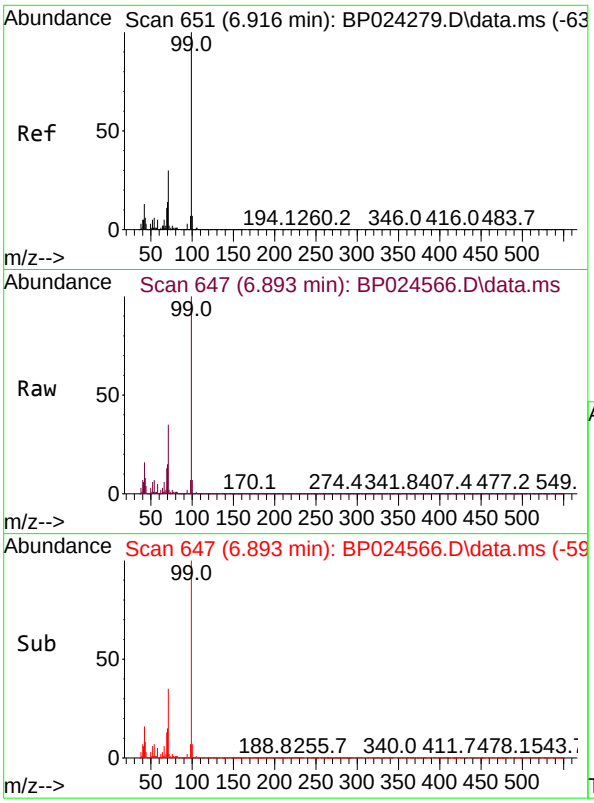


#6
Aniline
Concen: 32.324 ng
RT: 7.046 min Scan# 673
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion: 93 Resp: 330711

Ion	Ratio	Lower	Upper
93	100		
66	37.4	29.1	43.7
65	18.7	14.7	22.1



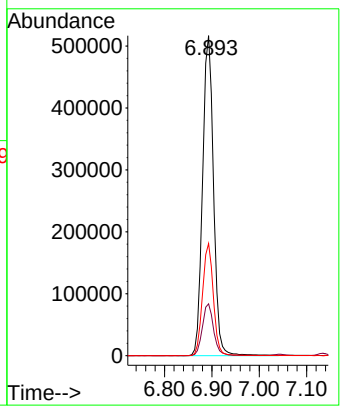


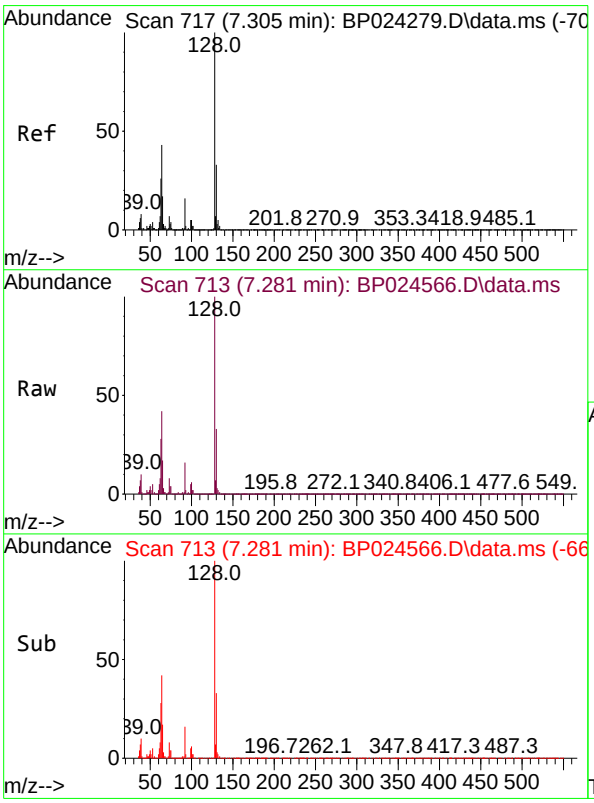
#7
Phenol-d6
Concen: 72.320 ng
RT: 6.893 min Scan# 64
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 99 Resp: 828029

Ion	Ratio	Lower	Upper
99	100		
42	16.2	10.6	16.0#
71	35.0	23.7	35.5

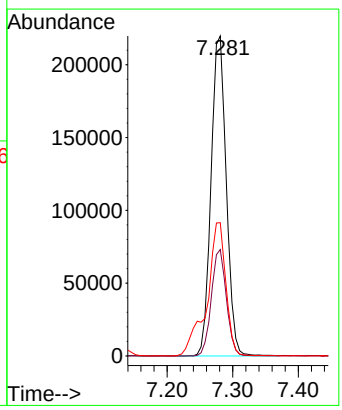


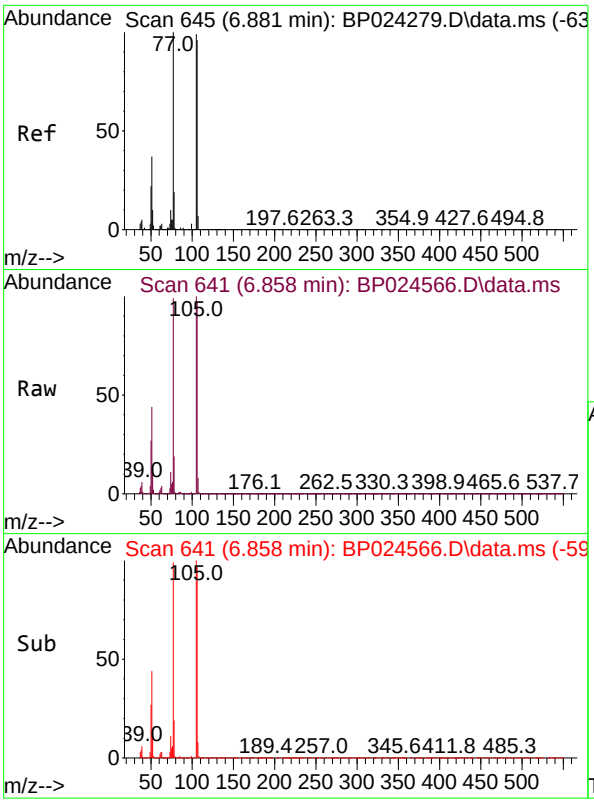


#8
2-Chlorophenol
Concen: 37.963 ng
RT: 7.281 min Scan# 713
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:128 Resp: 354417

Ion	Ratio	Lower	Upper
128	100		
130	33.2	12.9	52.9
64	41.7	22.7	62.7



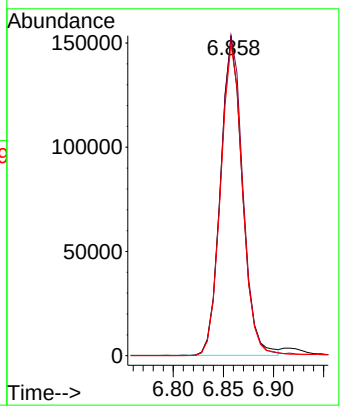


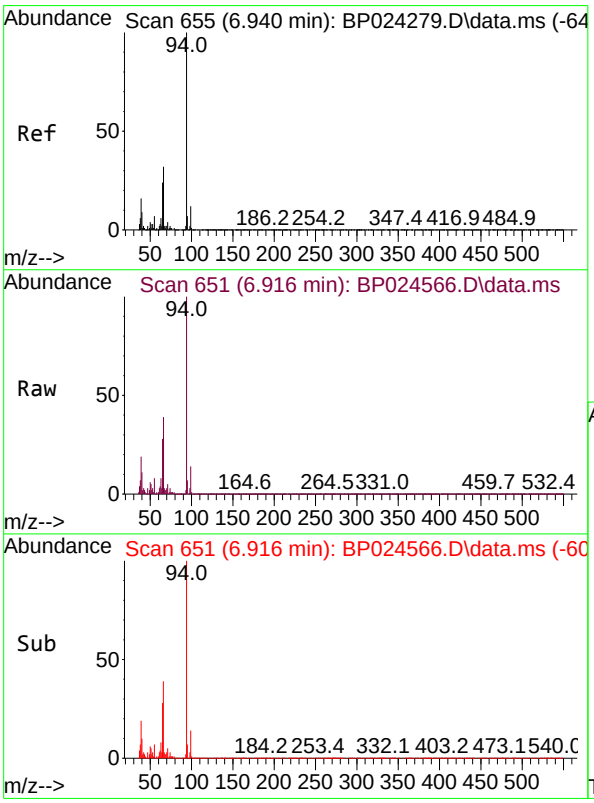
#9
Benzaldehyde
Concen: 40.806 ng
RT: 6.858 min Scan# 64
Delta R.T. -0.023 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 231108

Ion	Ratio	Lower	Upper
77	100		
105	100.6	79.2	119.2
106	97.9	76.2	116.2

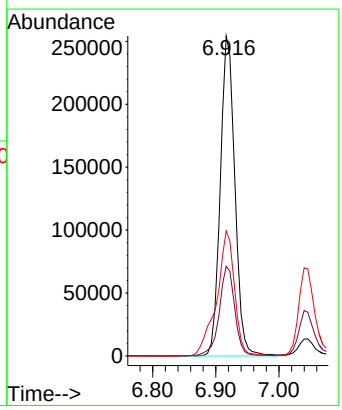


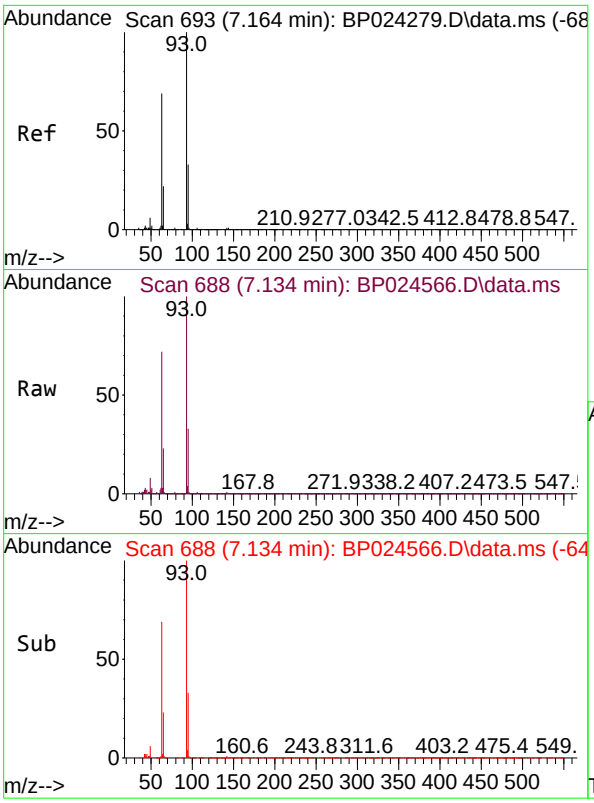


#10
Phenol
Concen: 35.563 ng
RT: 6.916 min Scan# 651
Delta R.T. -0.023 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion: 94 Resp: 408458

Ion	Ratio	Lower	Upper
94	100		
65	28.1	4.5	44.5
66	39.1	12.4	52.4



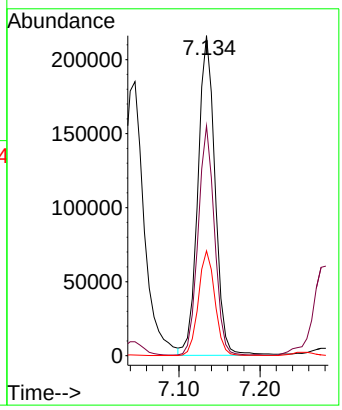


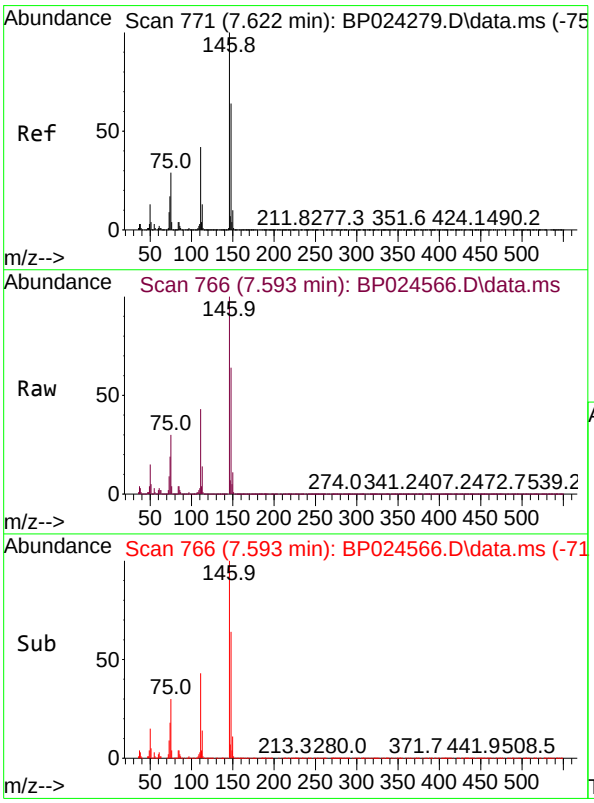
#11
bis(2-Chloroethyl)ether
Concen: 34.297 ng
RT: 7.134 min Scan# 6
Delta R.T. -0.023 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 93 Resp: 317387

Ion	Ratio	Lower	Upper
93	100		
63	71.8	48.6	88.6
95	32.8	12.3	52.3

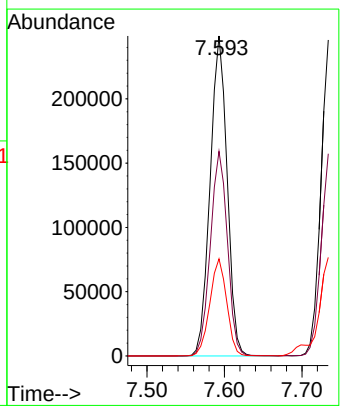


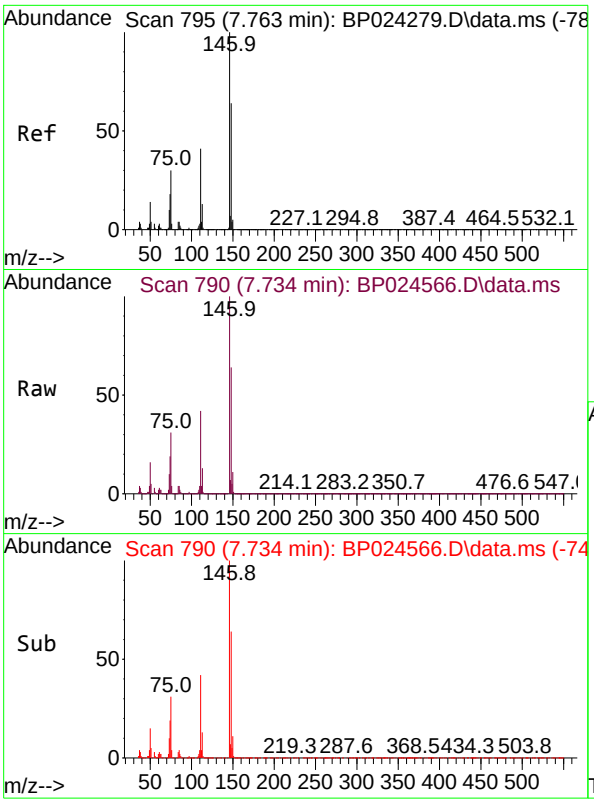


#12
1,3-Dichlorobenzene
Concen: 37.752 ng
RT: 7.593 min Scan# 766
Delta R.T. -0.023 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:146 Resp: 379429

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.4	77.0
75	30.4	22.9	34.3



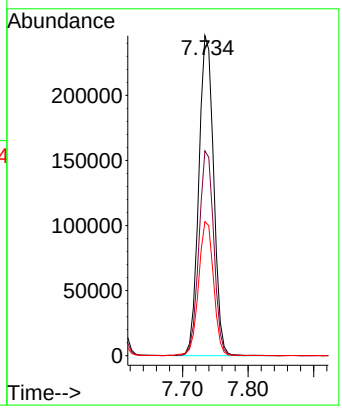


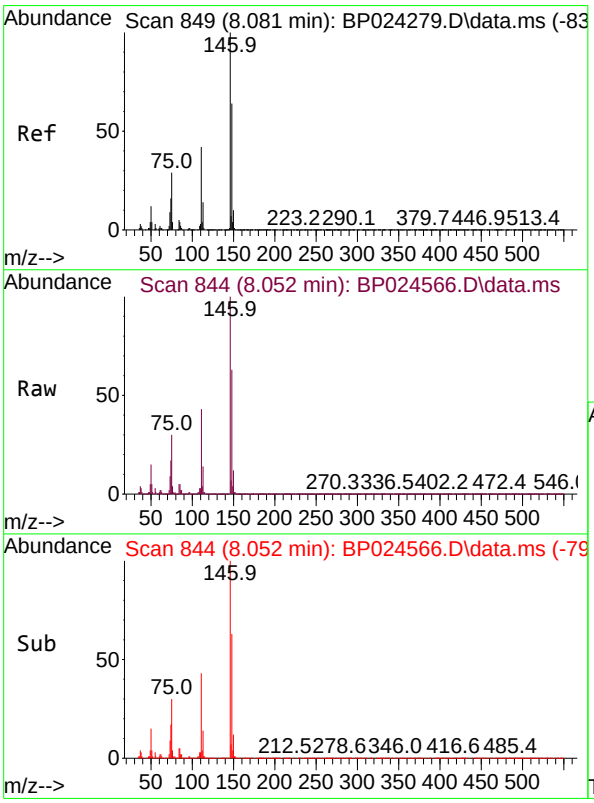
#13
1,4-Dichlorobenzene
Concen: 38.026 ng
RT: 7.734 min Scan# 7
Delta R.T. -0.023 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:146 Resp: 387776

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.1	76.7
111	41.9	32.6	48.8

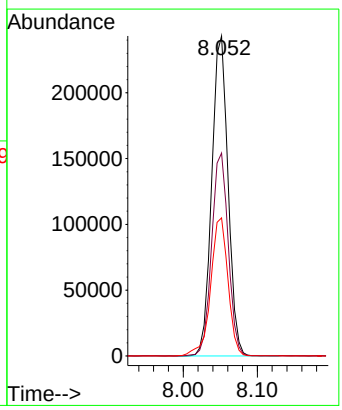


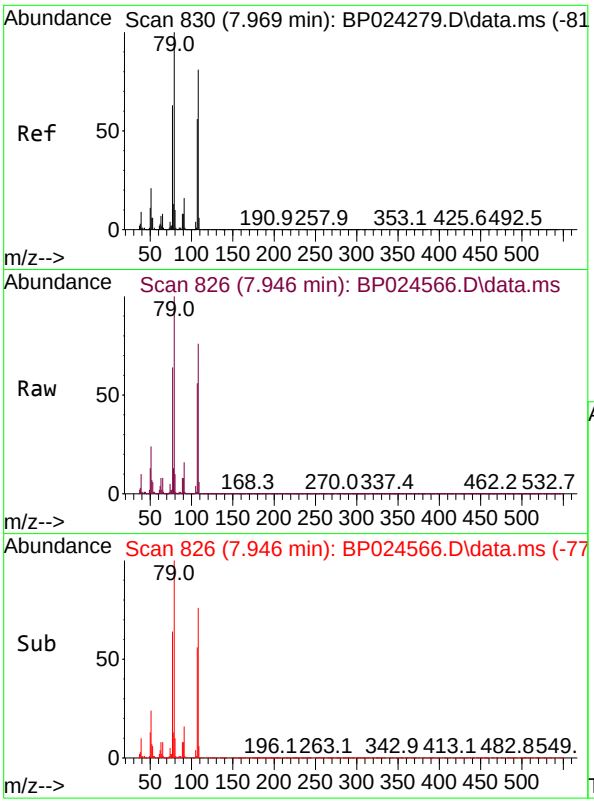


#14
1,2-Dichlorobenzene
Concen: 37.592 ng
RT: 8.052 min Scan# 844
Delta R.T. -0.023 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:146 Resp: 370165

Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.0	76.4
111	43.2	33.8	50.8



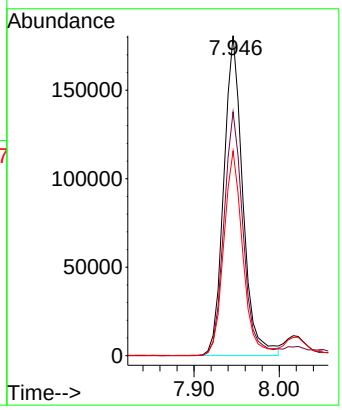


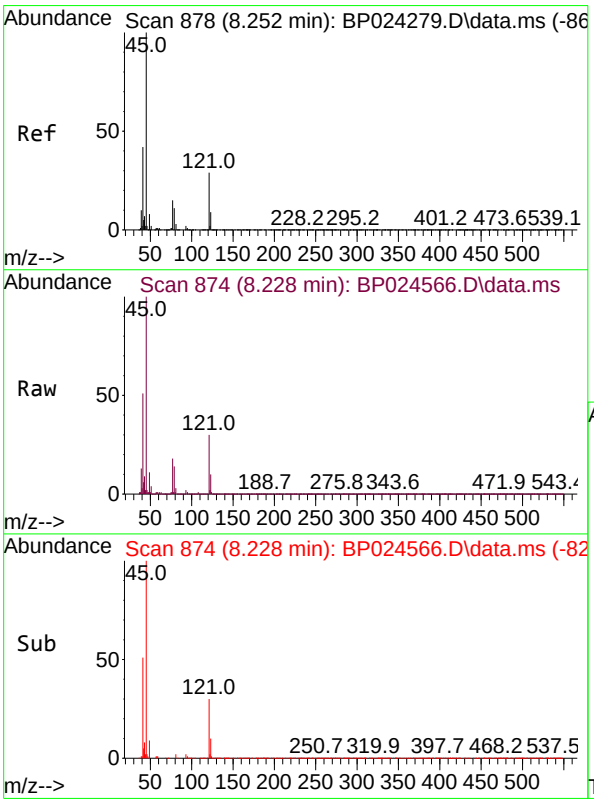
#15
Benzyl Alcohol
Concen: 37.881 ng
RT: 7.946 min Scan# 8
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 280488

Ion	Ratio	Lower	Upper
79	100		
108	76.2	65.1	97.7
77	63.9	50.7	76.1

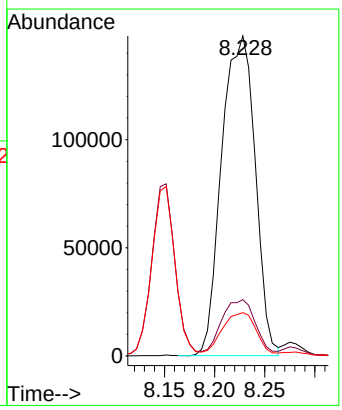


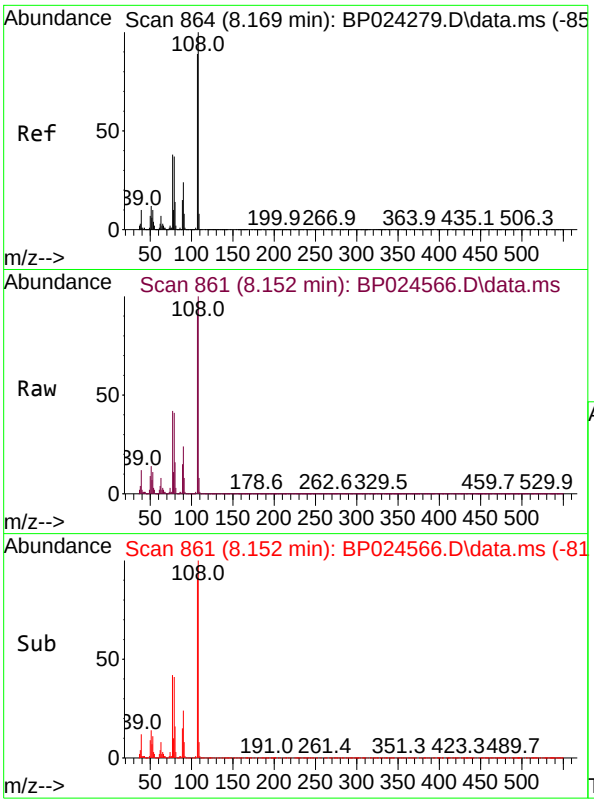


#16
2,2'-oxybis(1-Chloropropane)
Concen: 34.414 ng
RT: 8.228 min Scan# 874
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion: 45 Resp: 344227

Ion	Ratio	Lower	Upper
45	100		
77	17.6	0.0	37.7
79	13.5	0.0	33.5



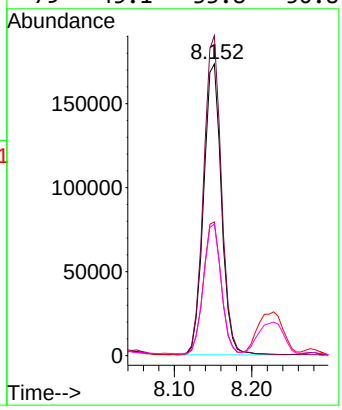


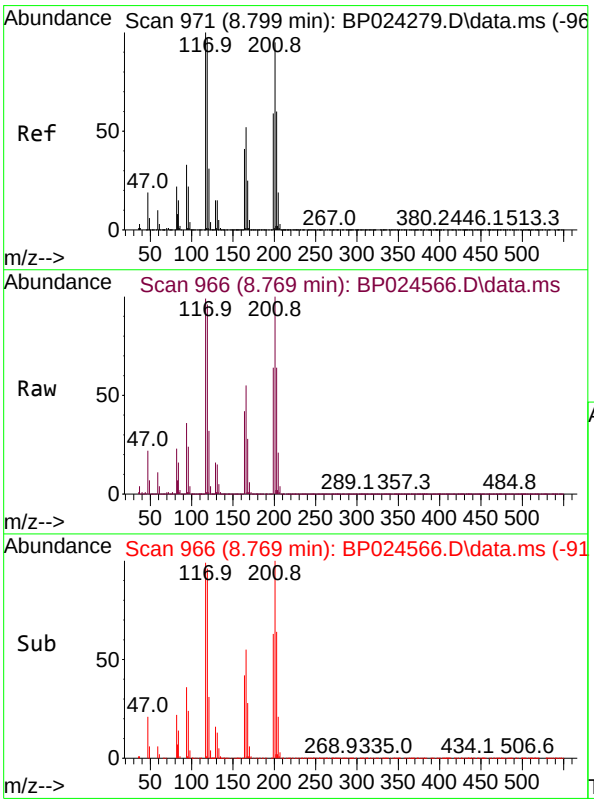
#17
2-Methylphenol
Concen: 37.265 ng
RT: 8.152 min Scan# 8
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:107 Resp: 276882

Ion	Ratio	Lower	Upper
107	100		
108	109.7	89.8	134.6
77	45.9	34.2	51.4
79	45.1	33.8	50.8

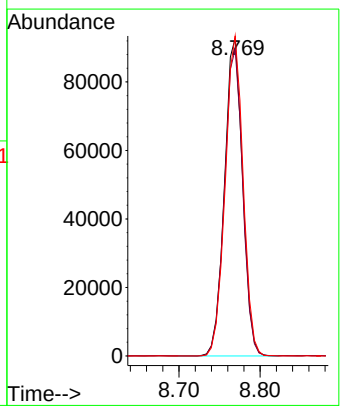


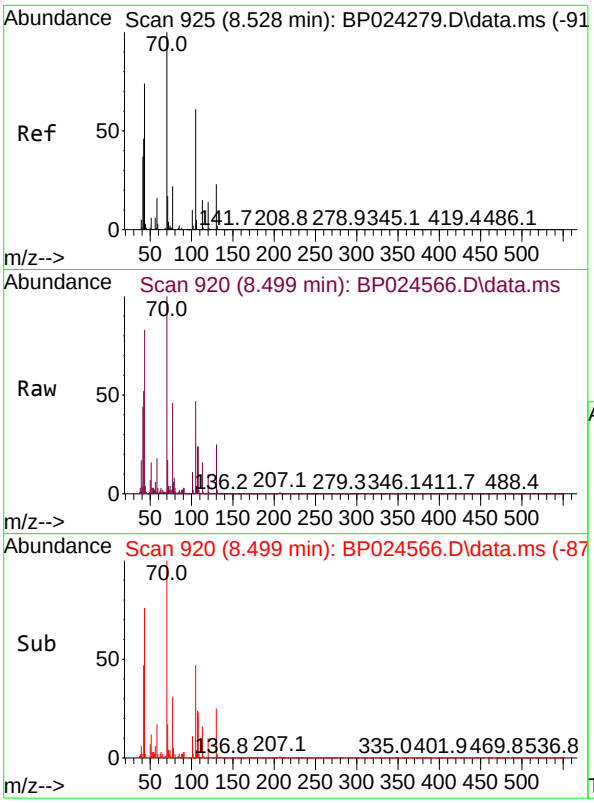


#18
Hexachloroethane
Concen: 38.938 ng
RT: 8.769 min Scan# 966
Delta R.T. -0.023 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:117 Resp: 143498

Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.8	116.6
201	100.7	75.9	113.9



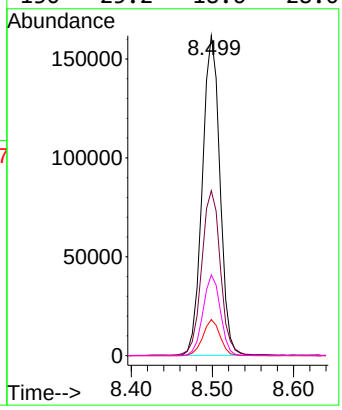


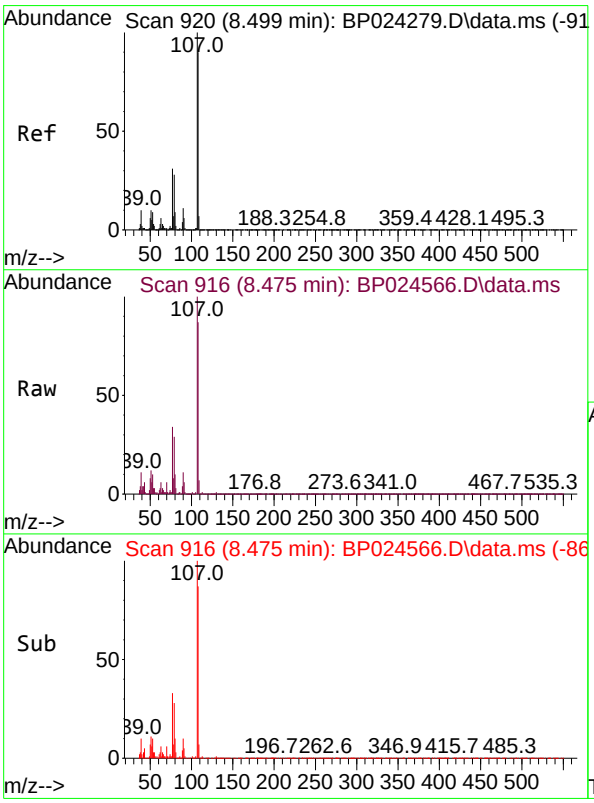
#19
n-Nitroso-di-n-propylamine
Concen: 34.351 ng
RT: 8.499 min Scan# 9
Delta R.T. -0.023 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 70 Resp: 243323

Ion	Ratio	Lower	Upper
70	100		
42	51.6	37.3	55.9
101	11.3	8.2	12.4
130	25.2	18.6	28.0

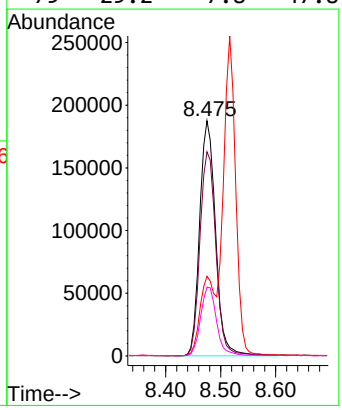


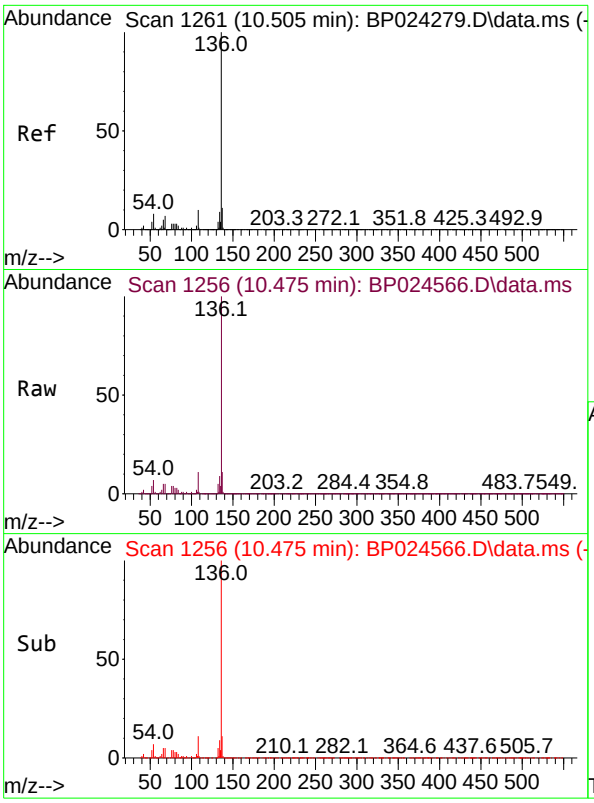


#20
3+4-Methylphenols
Concen: 36.485 ng
RT: 8.475 min Scan# 916
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:107 Resp: 376144

Ion	Ratio	Lower	Upper
107	100		
108	86.8	69.8	109.8
77	33.8	11.5	51.5
79	29.2	7.8	47.8



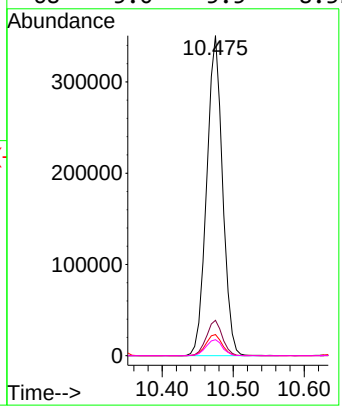


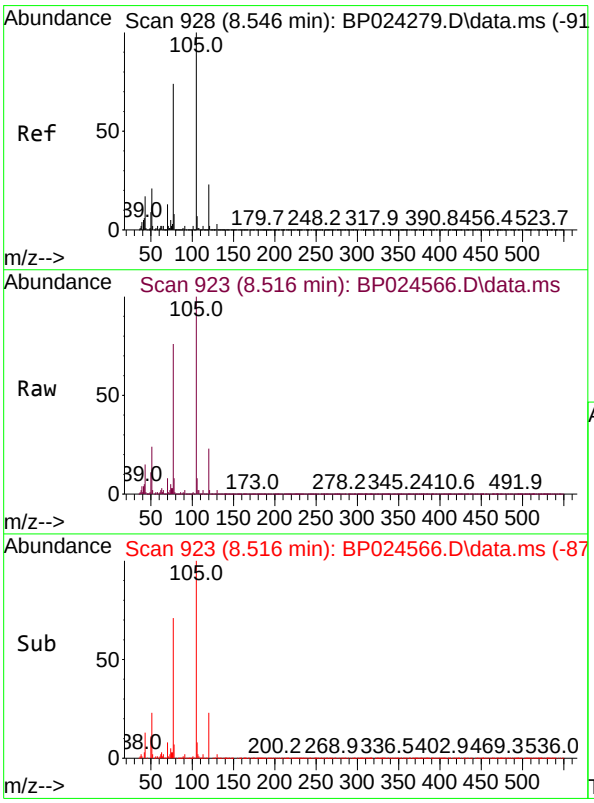
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.475 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:136 Resp: 544120

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	6.6	6.0	9.0
68	5.0	5.5	8.3#

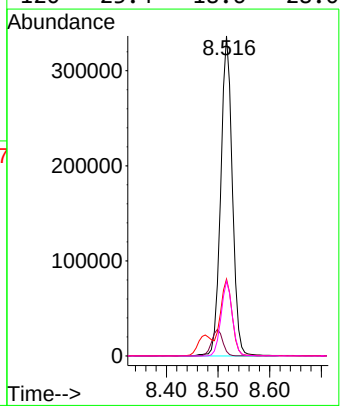


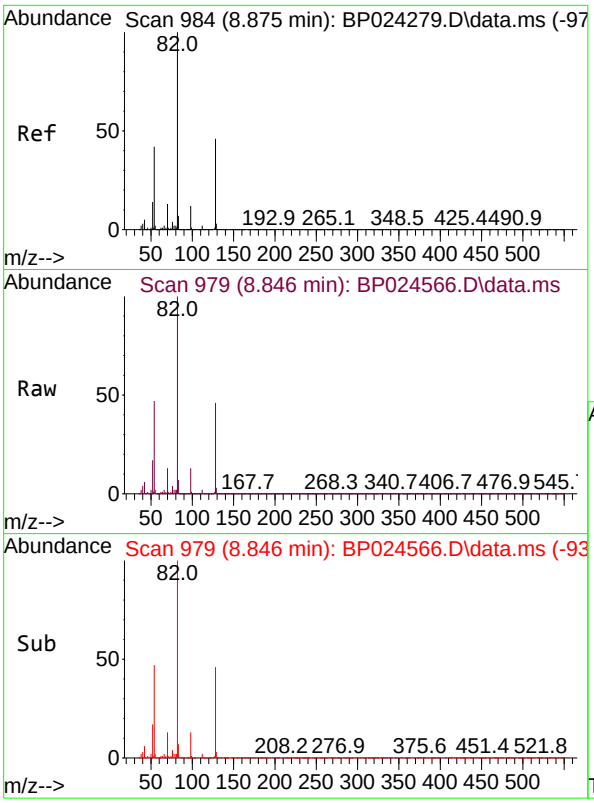


#22
Acetophenone
Concen: 38.875 ng
RT: 8.516 min Scan# 923
Delta R.T. -0.023 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:105 Resp: 523542

Ion	Ratio	Lower	Upper
105	100		
71	1.5	1.7	2.5#
51	24.0	16.9	25.3
120	23.4	18.6	28.0



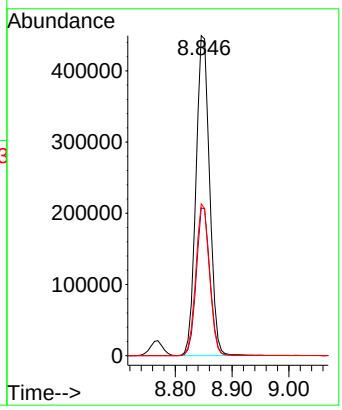


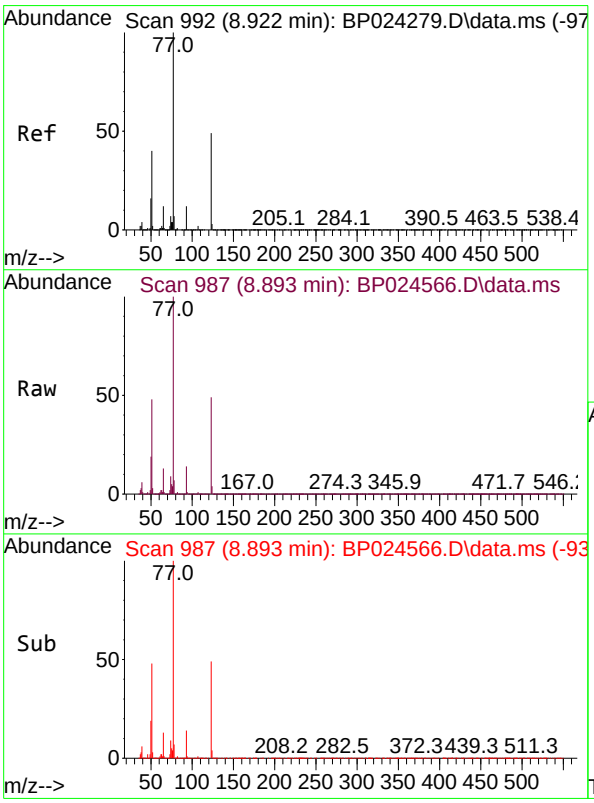
#23
Nitrobenzene-d5
Concen: 78.928 ng
RT: 8.846 min Scan# 9
Delta R.T. -0.023 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 753165

Ion	Ratio	Lower	Upper
82	100		
128	46.2	36.5	54.7
54	47.5	33.4	50.2

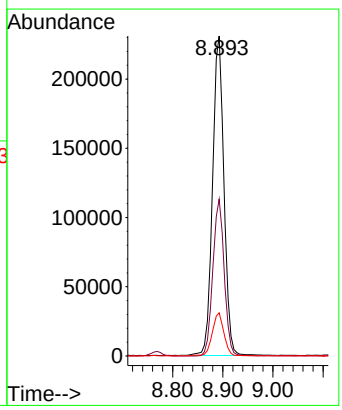


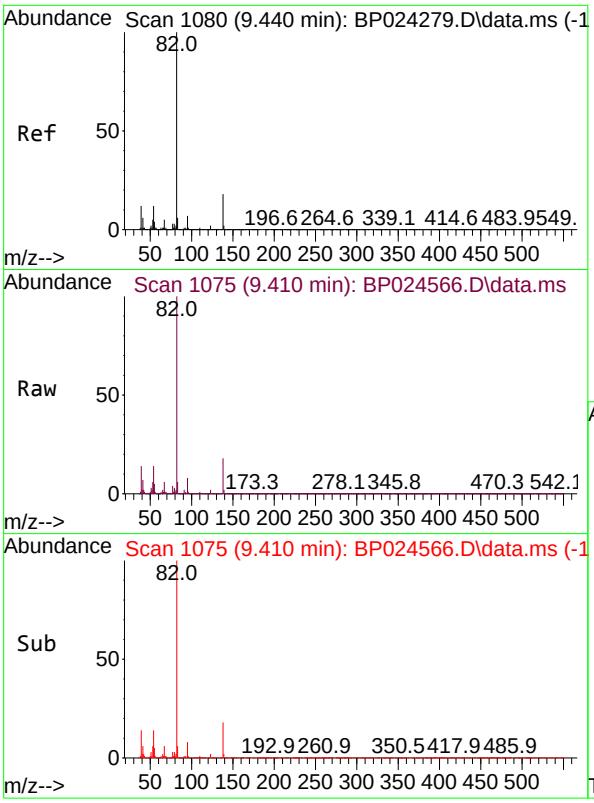


#24
Nitrobenzene
Concen: 38.600 ng
RT: 8.893 min Scan# 987
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion: 77 Resp: 364383

Ion	Ratio	Lower	Upper
77	100		
123	49.0	39.2	58.8
65	13.5	9.8	14.6



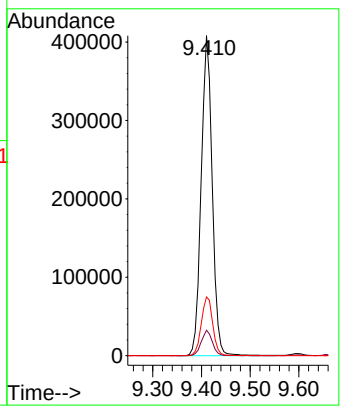


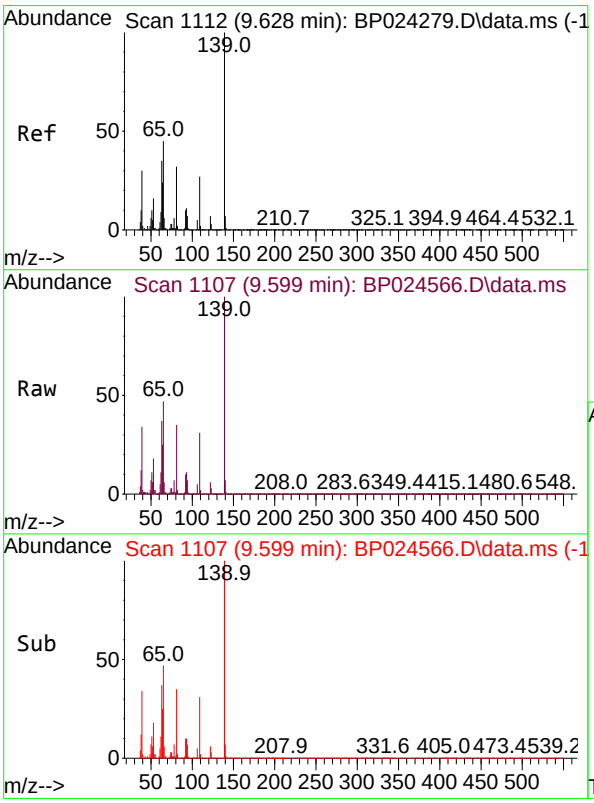
#25
Isophorone
Concen: 37.097 ng
RT: 9.410 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 640750

Ion	Ratio	Lower	Upper
82	100		
95	7.9	5.4	8.2
138	18.3	14.4	21.6

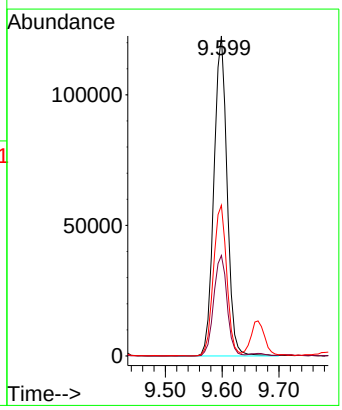


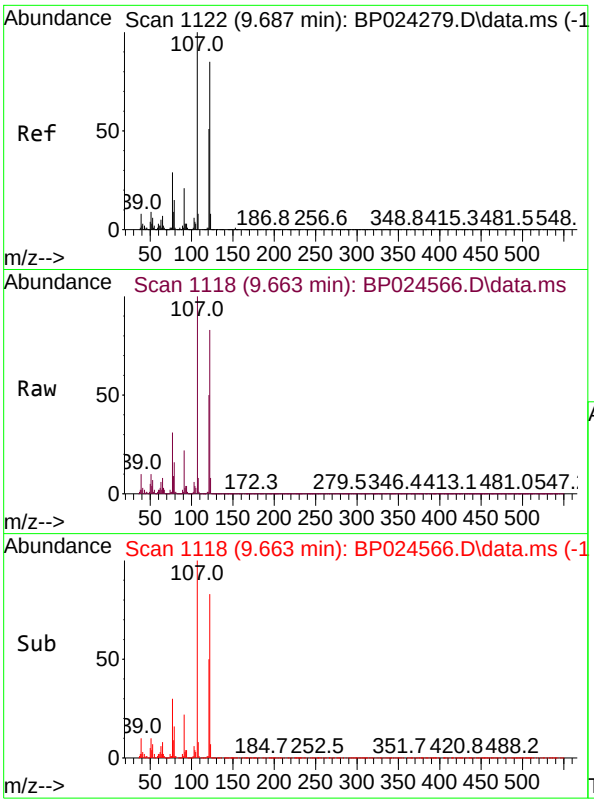


#26
2-Nitrophenol
Concen: 42.630 ng
RT: 9.599 min Scan# 1107
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:139 Resp: 196933

Ion	Ratio	Lower	Upper
139	100		
109	31.4	21.8	32.6
65	47.1	36.2	54.2



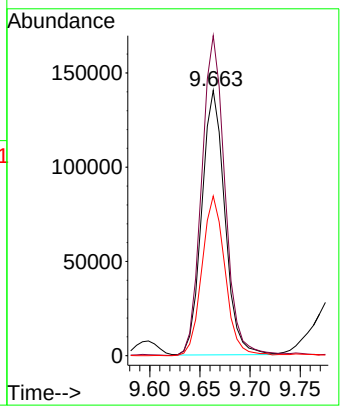


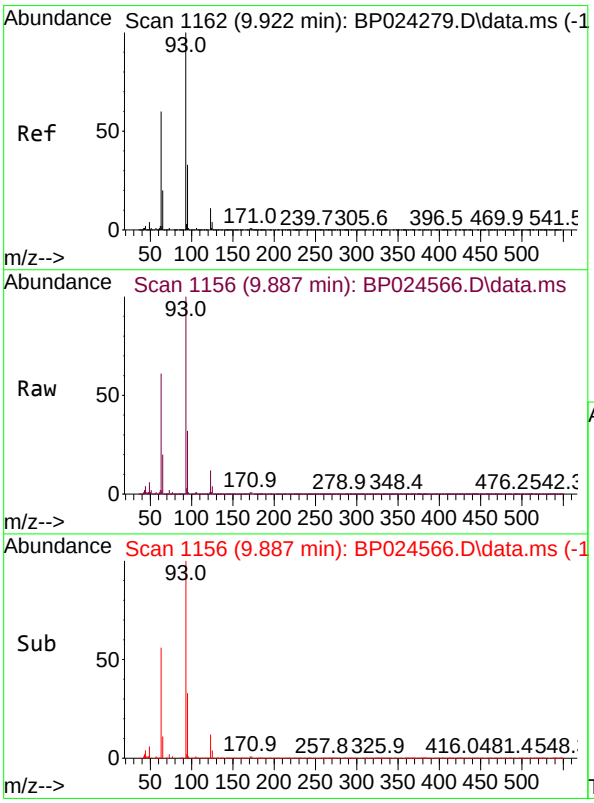
#27
2,4-Dimethylphenol
Concen: 38.773 ng
RT: 9.663 min Scan# 11
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:122 Resp: 224905

Ion	Ratio	Lower	Upper
122	100		
107	120.6	93.7	140.5
121	60.2	48.2	72.2

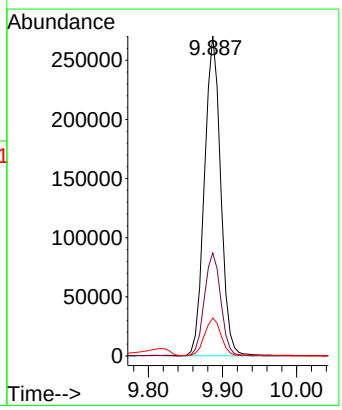


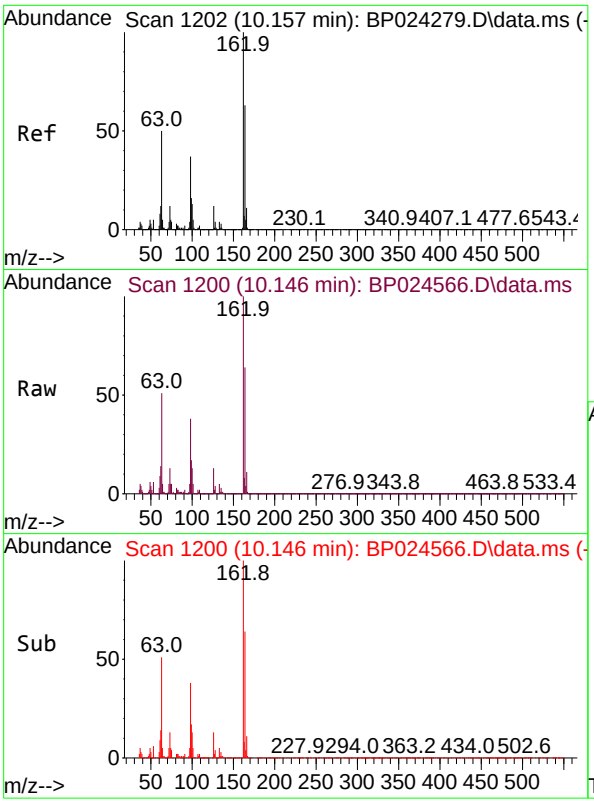


#28
bis(2-Chloroethoxy)methane
Concen: 35.264 ng
RT: 9.887 min Scan# 1156
Delta R.T. -0.023 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion: 93 Resp: 411462

Ion	Ratio	Lower	Upper
93	100		
95	32.2	26.0	39.0
123	11.8	9.1	13.7



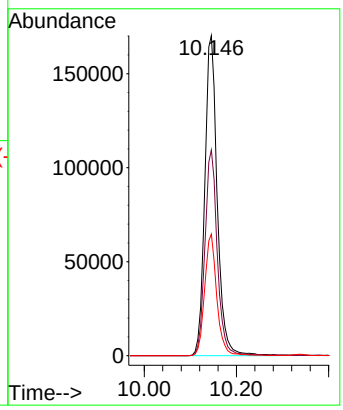


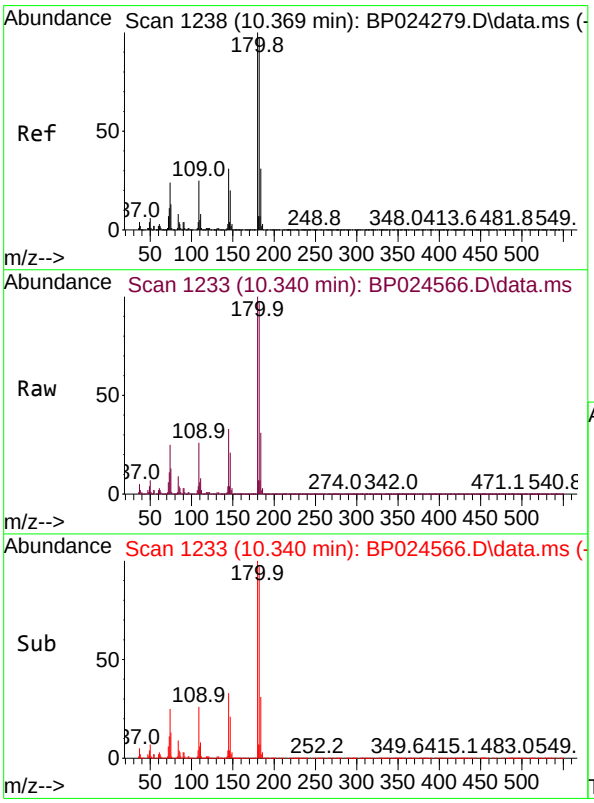
#29
2,4-Dichlorophenol
Concen: 40.600 ng
RT: 10.146 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 321106

Ion	Ratio	Lower	Upper
162	100		
164	64.3	43.3	83.3
98	38.0	16.6	56.6

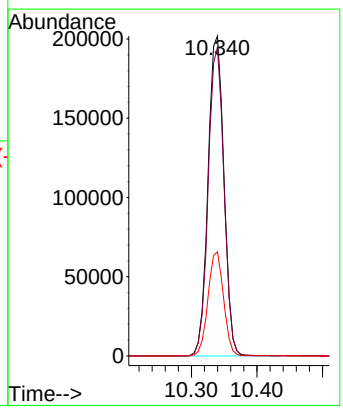


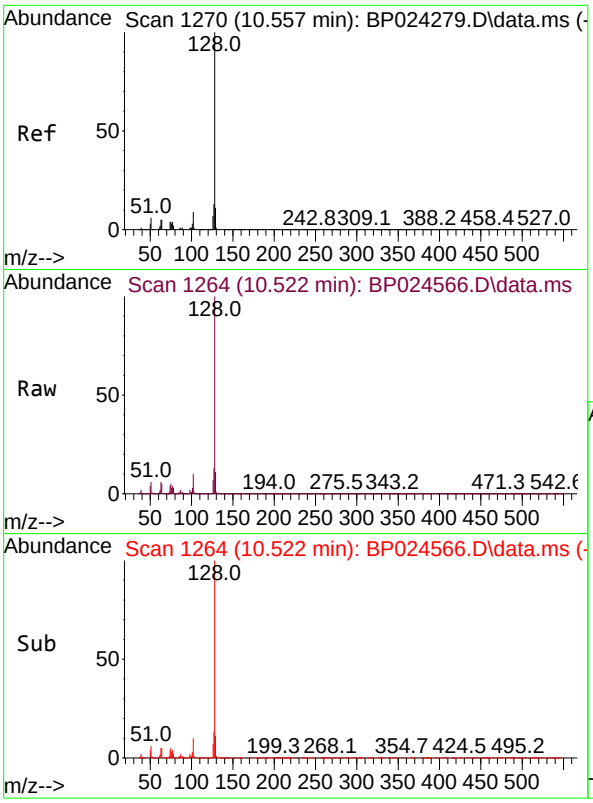


#30
1,2,4-Trichlorobenzene
Concen: 40.208 ng
RT: 10.340 min Scan# 1233
Delta R.T. -0.023 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:180 Resp: 340718

Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.3	115.9
145	32.5	25.1	37.7



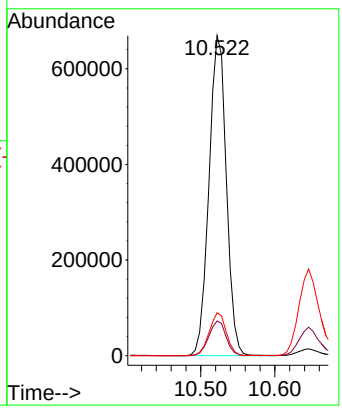


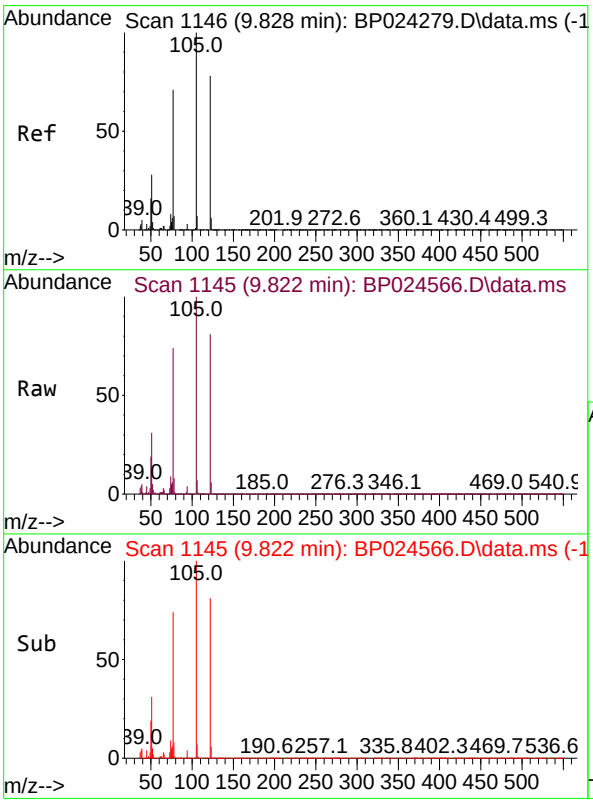
#31
Naphthalene
Concen: 37.888 ng
RT: 10.522 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:128 Resp: 1085946

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	13.4	10.3	15.5

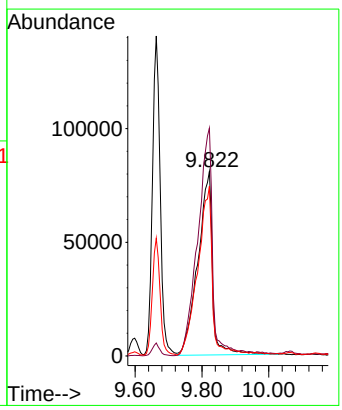


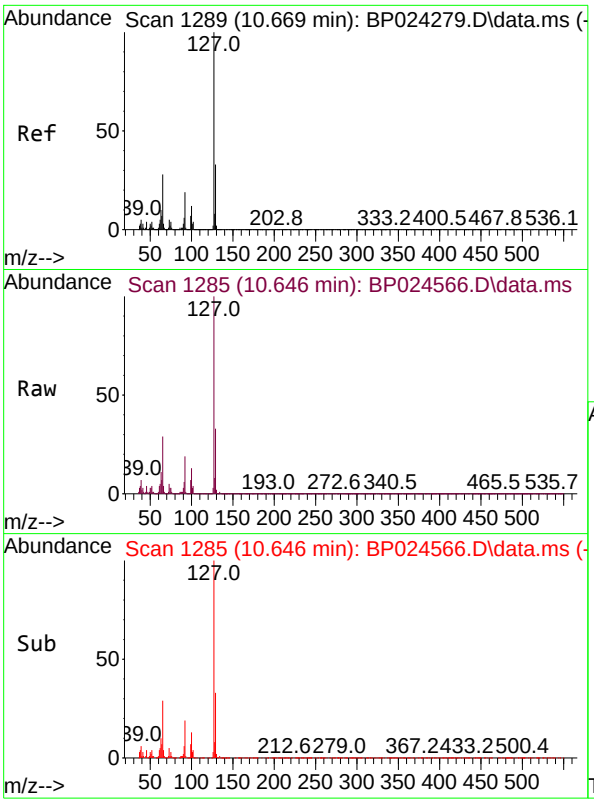


#32
Benzoic acid
Concen: 36.527 ng
RT: 9.822 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:122 Resp: 246884

Ion	Ratio	Lower	Upper
122	100		
105	123.5	104.8	144.8
77	92.0	69.2	109.2



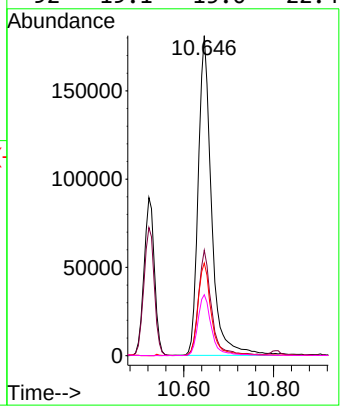


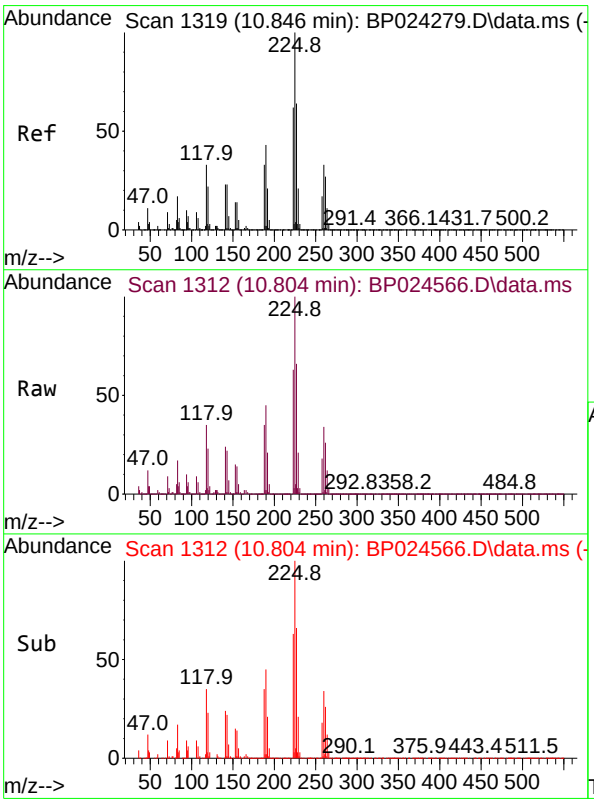
#33
4-Chloroaniline
Concen: 36.882 ng
RT: 10.646 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:127 Resp: 372271

Ion	Ratio	Lower	Upper
127	100		
129	32.9	26.1	39.1
65	28.9	22.1	33.1
92	19.1	15.0	22.4

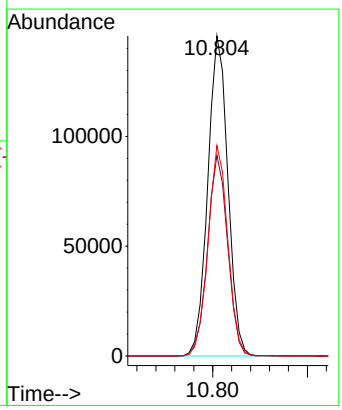


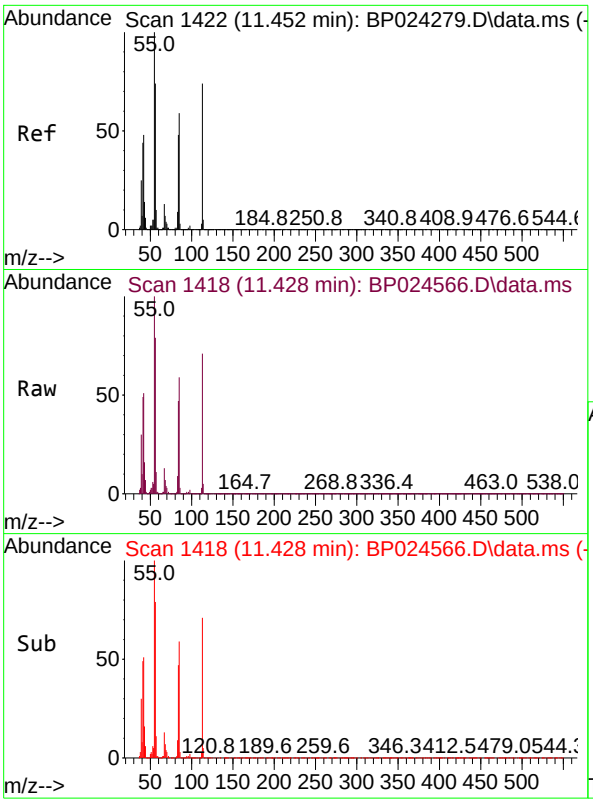


#34
Hexachlorobutadiene
Concen: 43.037 ng
RT: 10.804 min Scan# 1312
Delta R.T. -0.023 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:225 Resp: 214306

Ion	Ratio	Lower	Upper
225	100		
223	62.7	49.5	74.3
227	65.8	50.9	76.3



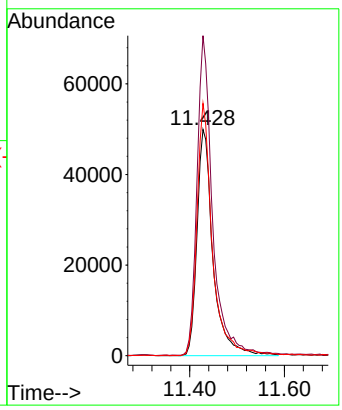


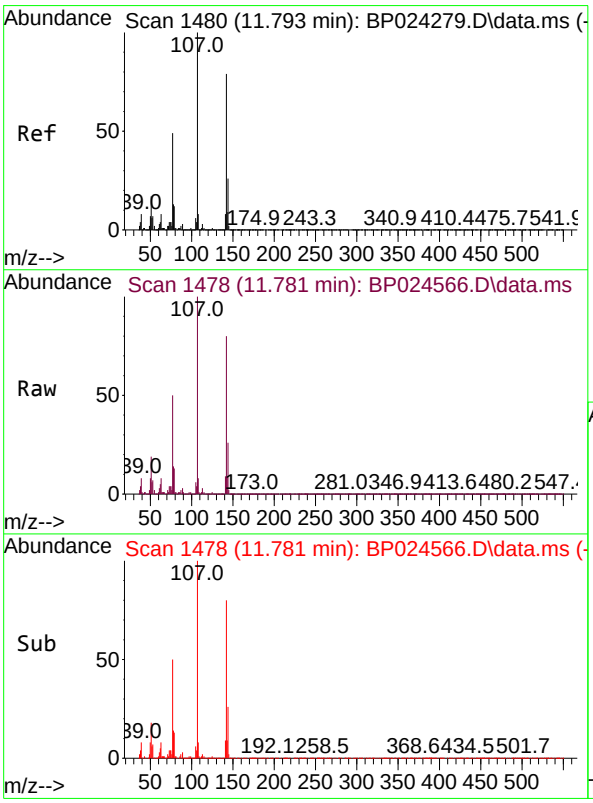
#35
Caprolactam
Concen: 40.090 ng
RT: 11.428 min Scan# 14
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:113 Resp: 116993

Ion	Ratio	Lower	Upper
113	100		
55	141.5	115.9	155.9
56	111.6	81.1	121.1

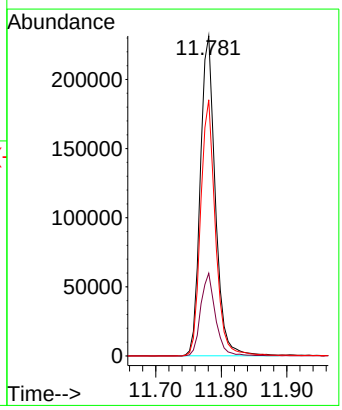


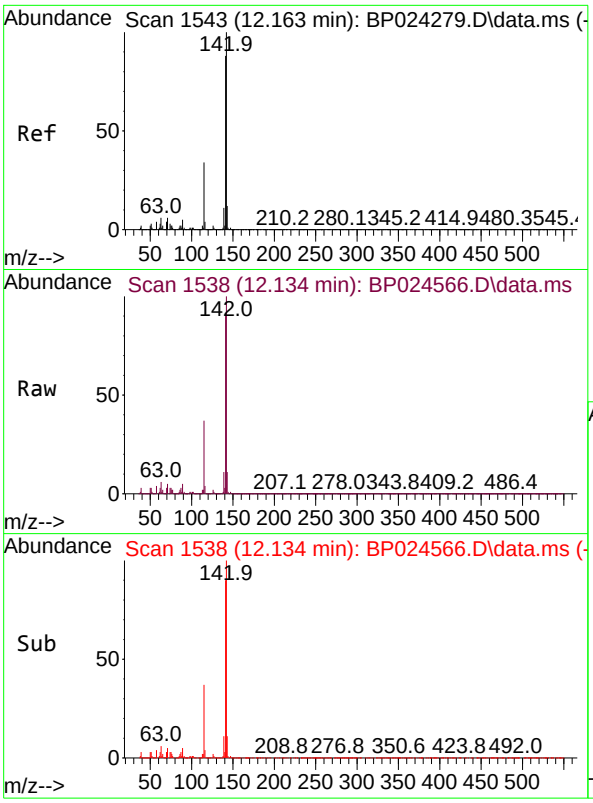


#36
4-Chloro-3-methylphenol
Concen: 40.163 ng
RT: 11.781 min Scan# 1478
Delta R.T. -0.012 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:107 Resp: 369984

Ion	Ratio	Lower	Upper
107	100		
144	25.8	20.5	30.7
142	80.0	63.4	95.2



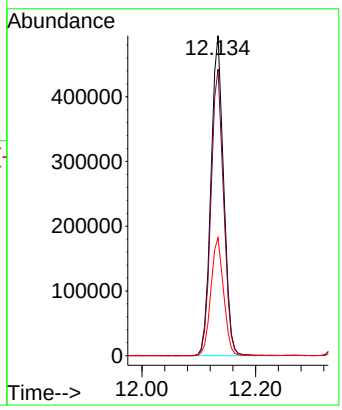


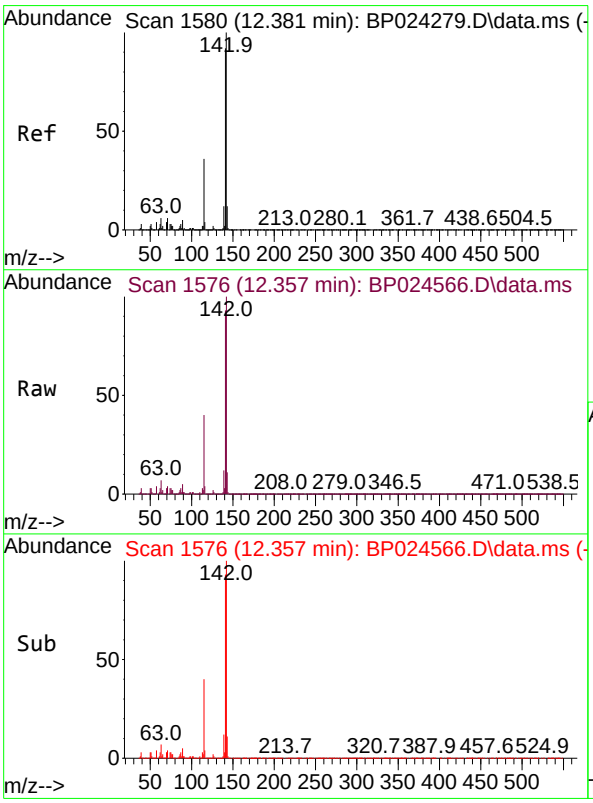
#37
2-Methylnaphthalene
Concen: 38.292 ng
RT: 12.134 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:142 Resp: 761169

Ion	Ratio	Lower	Upper
142	100		
141	89.5	70.3	105.5
115	36.9	26.9	40.3

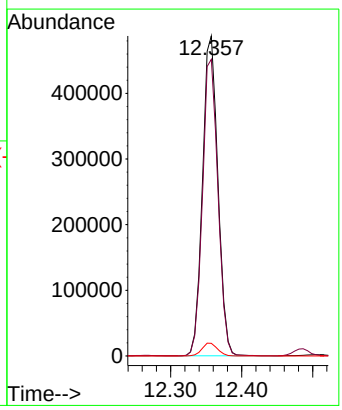


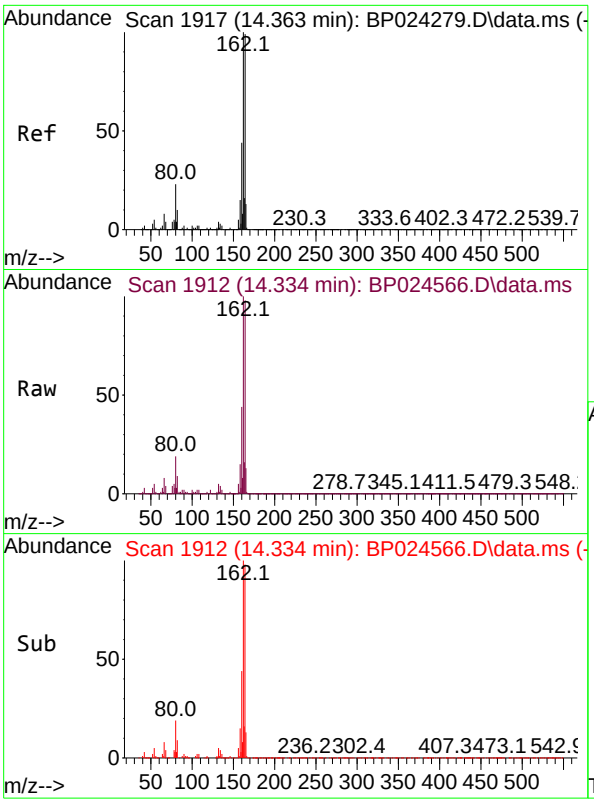


#38
1-Methylnaphthalene
Concen: 37.807 ng
RT: 12.357 min Scan# 1576
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:142 Resp: 735198

Ion	Ratio	Lower	Upper
142	100		
141	92.7	73.6	110.4
116	3.9	3.0	4.6



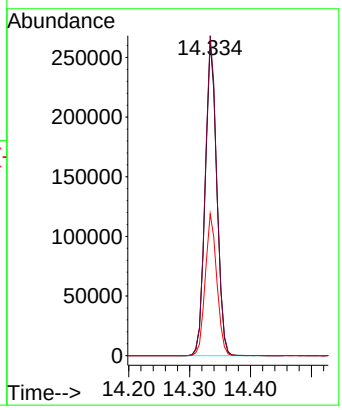


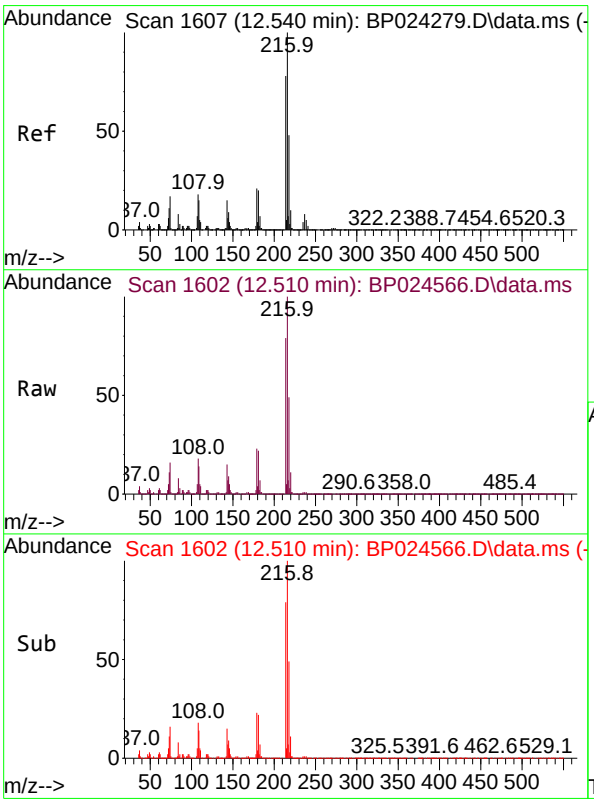
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.334 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:164 Resp: 348461

Ion	Ratio	Lower	Upper
164	100		
162	101.8	80.6	120.8
160	45.1	35.3	52.9

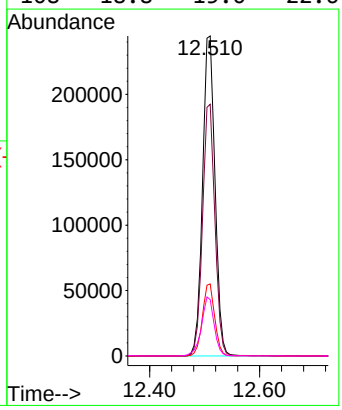


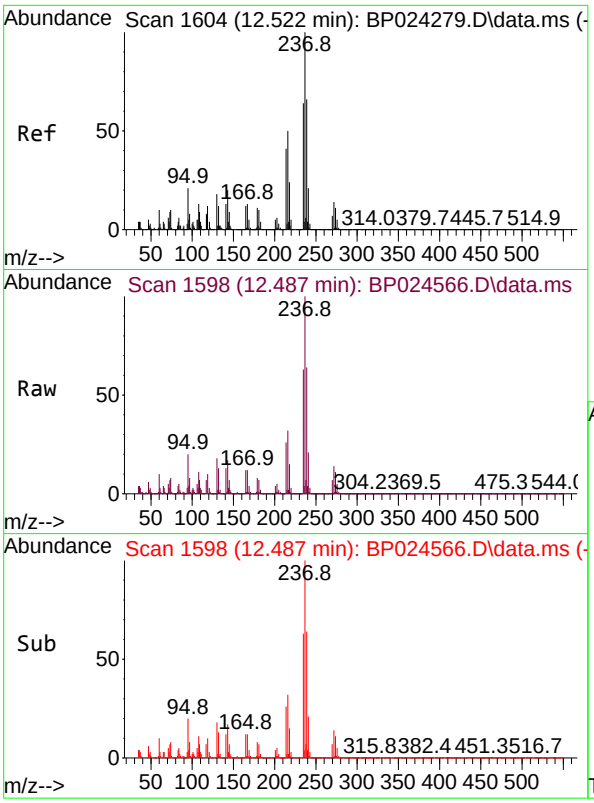


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.154 ng
RT: 12.510 min Scan# 1602
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:216 Resp: 384784

Ion	Ratio	Lower	Upper
216	100		
214	78.1	62.6	93.8
179	22.3	17.2	25.8
108	18.8	15.0	22.6



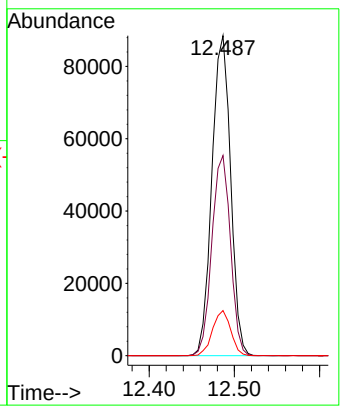


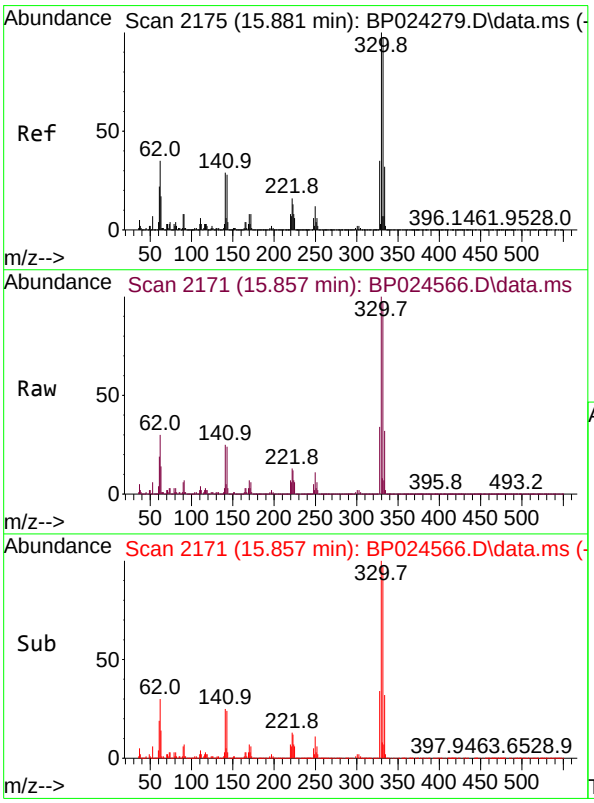
#41
Hexachlorocyclopentadiene
Concen: 39.726 ng
RT: 12.487 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:237 Resp: 134639

Ion	Ratio	Lower	Upper
237	100		
235	62.5	43.9	83.9
272	14.1	0.0	33.6

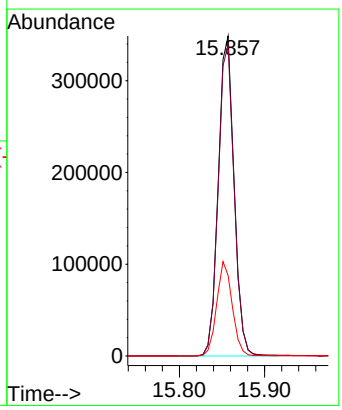


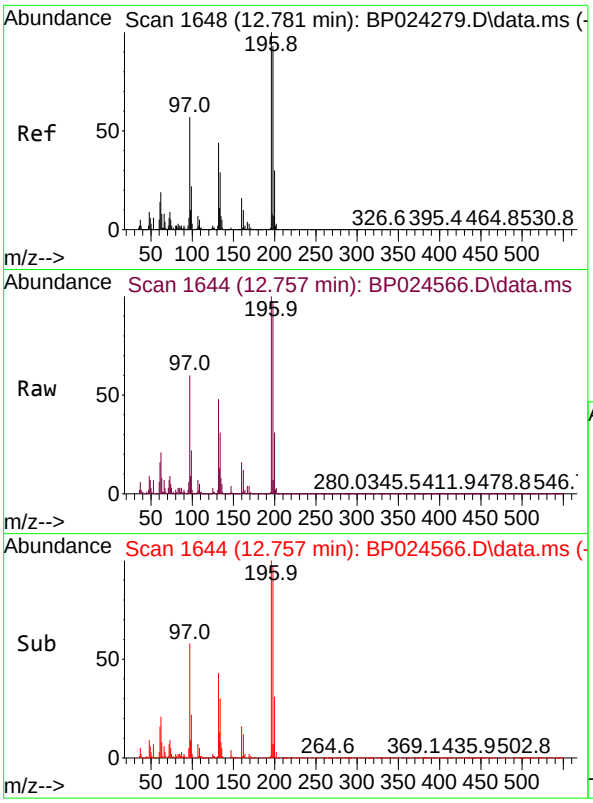


#42
2,4,6-Tribromophenol
Concen: 93.185 ng
RT: 15.857 min Scan# 2171
Delta R.T. -0.006 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:330 Resp: 449260

Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.1	115.7
141	28.9	24.7	37.1



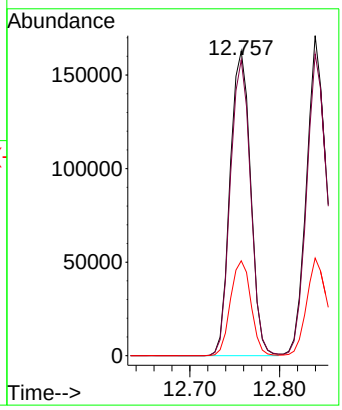


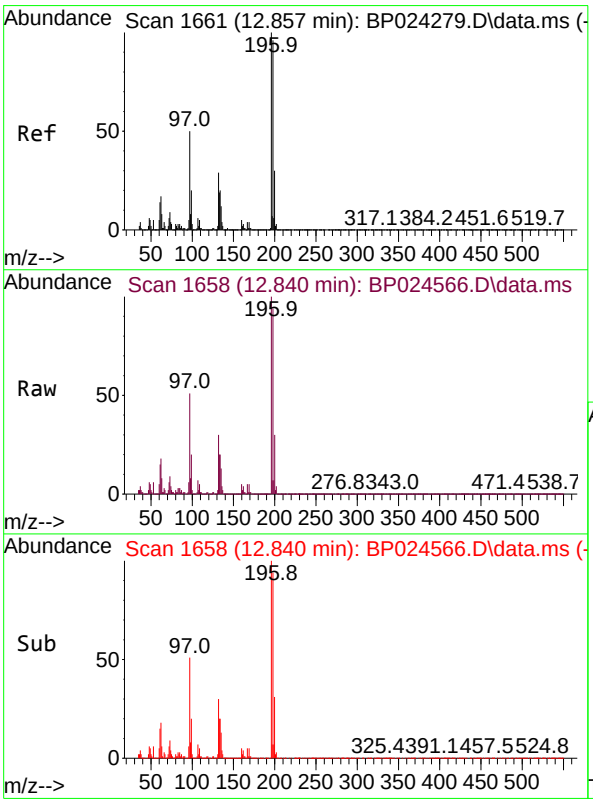
#43
2,4,6-Trichlorophenol
Concen: 40.538 ng
RT: 12.757 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:196 Resp: 258270

Ion	Ratio	Lower	Upper
196	100		
198	97.1	74.3	111.5
200	31.1	24.0	36.0

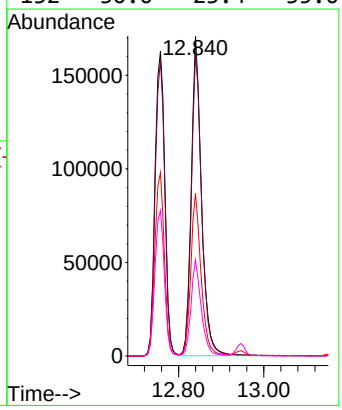


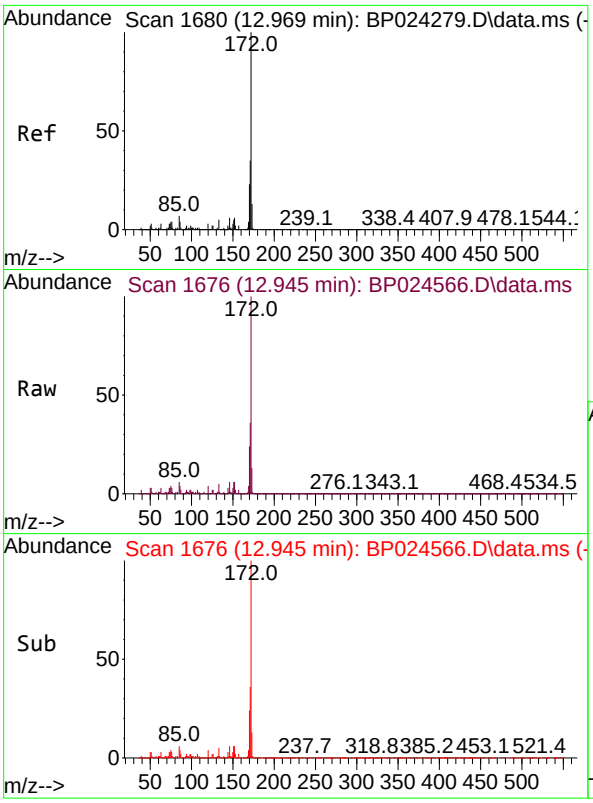


#44
2,4,5-Trichlorophenol
Concen: 40.611 ng
RT: 12.840 min Scan# 1658
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:196 Resp: 286518

Ion	Ratio	Lower	Upper
196	100		
198	94.3	77.3	115.9
97	50.7	40.4	60.6
132	30.0	23.4	35.0



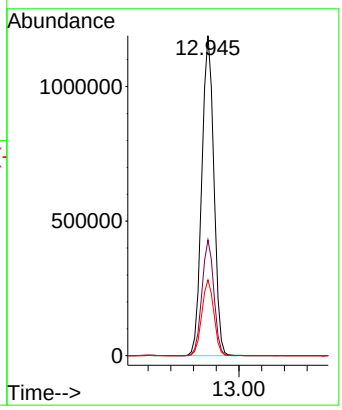


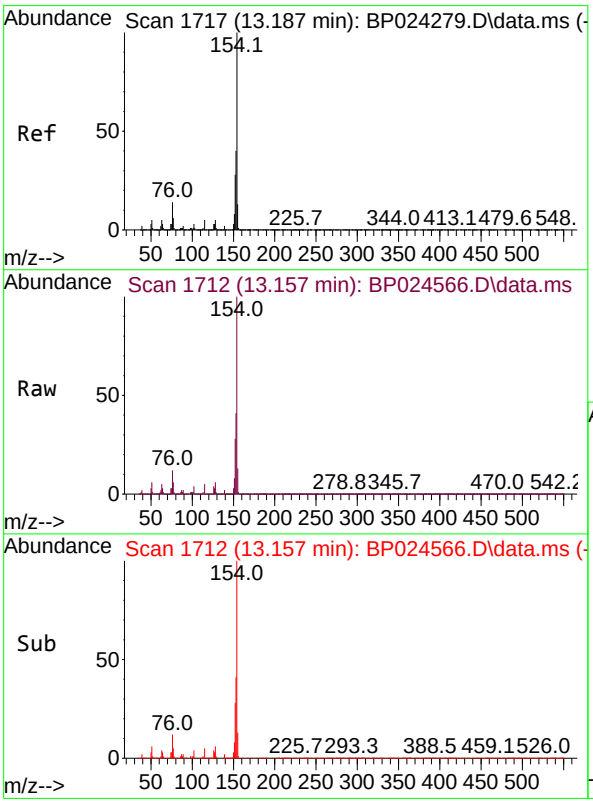
#45
2-Fluorobiphenyl
Concen: 77.114 ng
RT: 12.945 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:172 Resp: 1755016

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.2	42.2
170	23.7	18.6	27.8

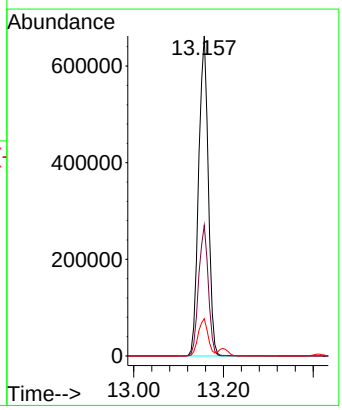


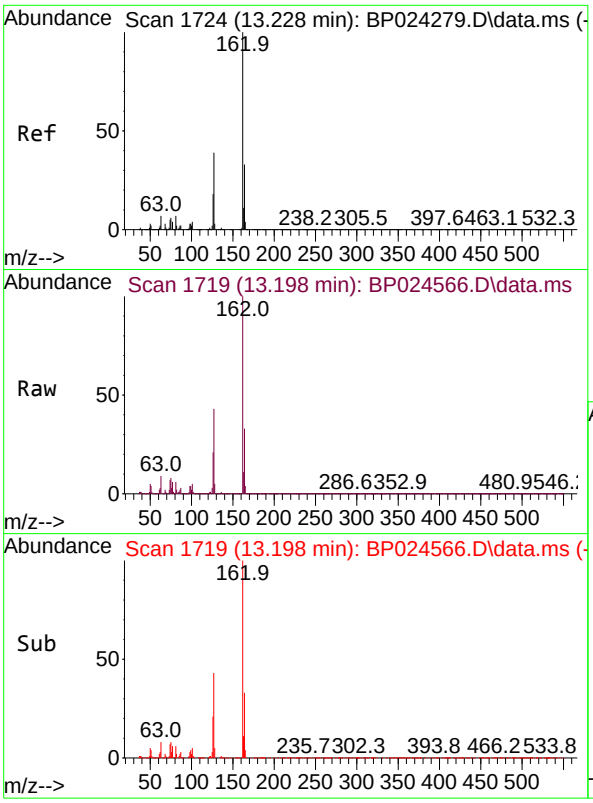


#46
1,1'-Biphenyl
Concen: 38.451 ng
RT: 13.157 min Scan# 1712
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:154 Resp: 984863

Ion	Ratio	Lower	Upper
154	100		
153	40.8	20.3	60.3
76	11.7	0.0	33.5



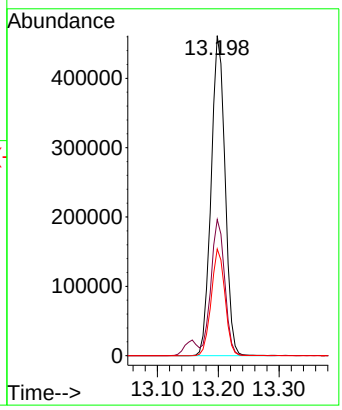


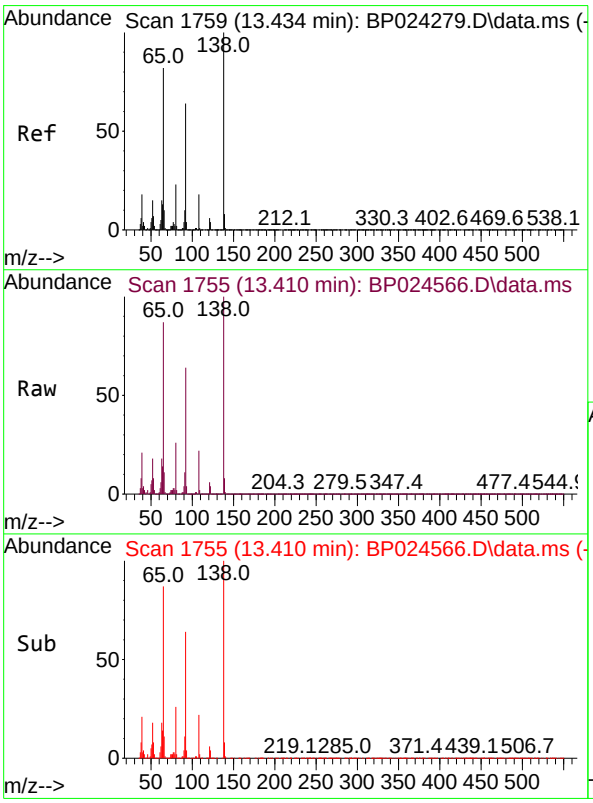
#47
2-Chloronaphthalene
Concen: 38.318 ng
RT: 13.198 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 733529

Ion	Ratio	Lower	Upper
162	100		
127	42.6	31.9	47.9
164	33.3	26.2	39.4

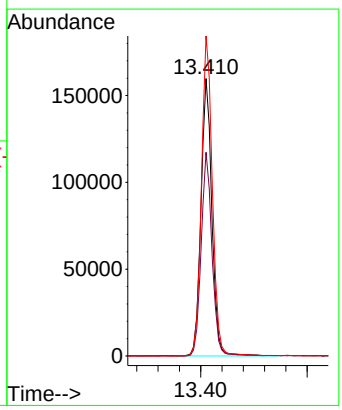


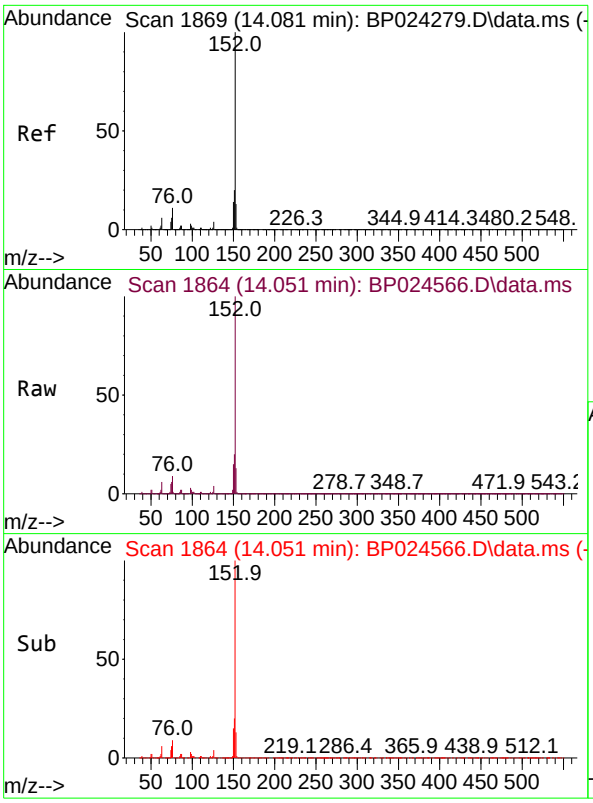


#48
2-Nitroaniline
Concen: 42.207 ng
RT: 13.410 min Scan# 1755
Delta R.T. -0.012 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion: 65 Resp: 226645

Ion	Ratio	Lower	Upper
65	100		
92	73.4	62.3	93.5
138	115.3	97.2	145.8



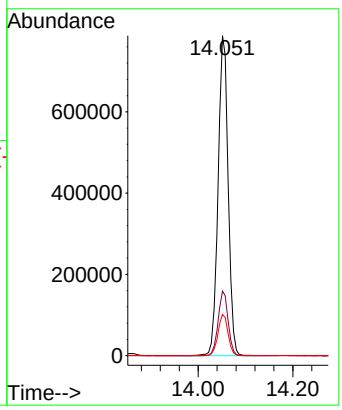


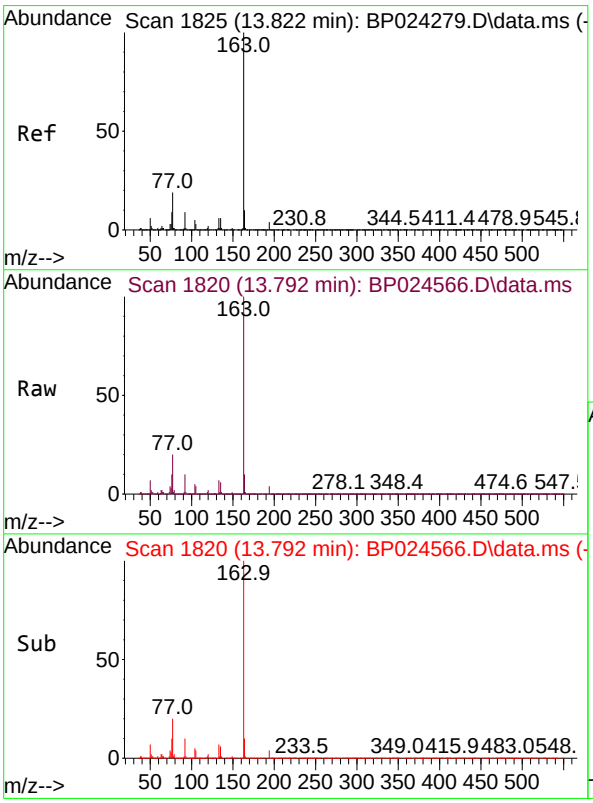
#49
Acenaphthylene
Concen: 38.360 ng
RT: 14.051 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 1156160

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.9	23.9
153	12.9	10.6	15.8

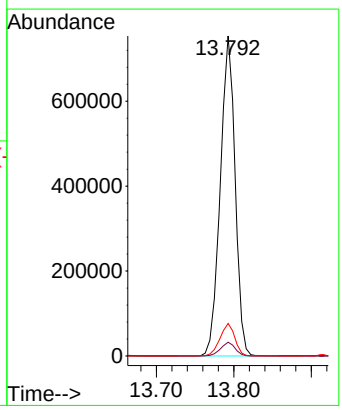


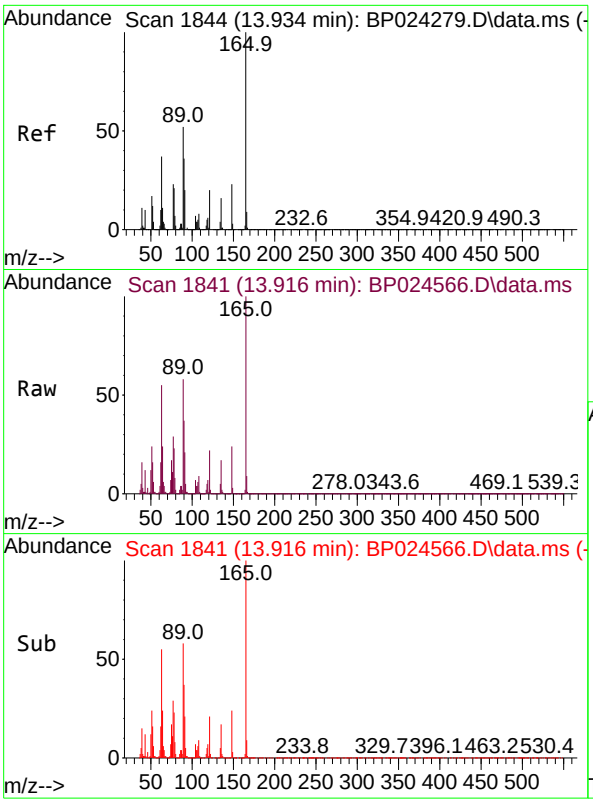


#50
Dimethylphthalate
Concen: 39.556 ng
RT: 13.792 min Scan# 1820
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:163 Resp: 1002391

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.1	8.0	12.0



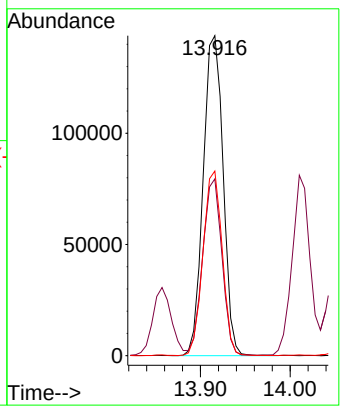


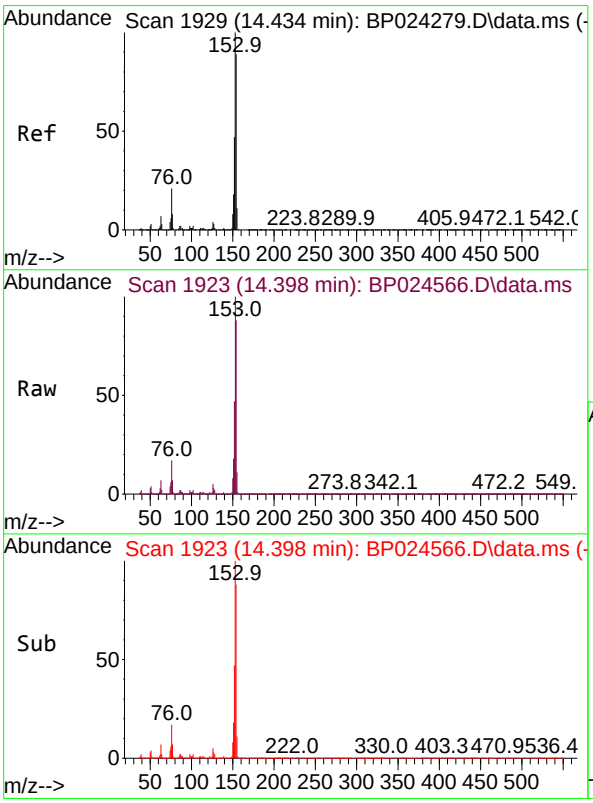
#51
2,6-Dinitrotoluene
Concen: 41.151 ng
RT: 13.916 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 221436

Ion	Ratio	Lower	Upper
165	100		
63	55.3	38.0	57.0
89	57.7	41.7	62.5

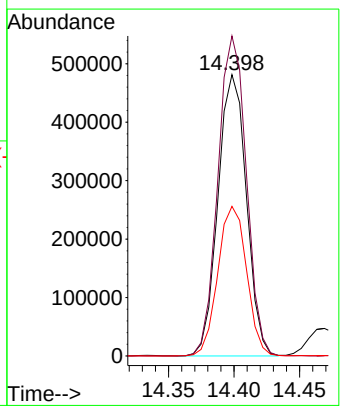


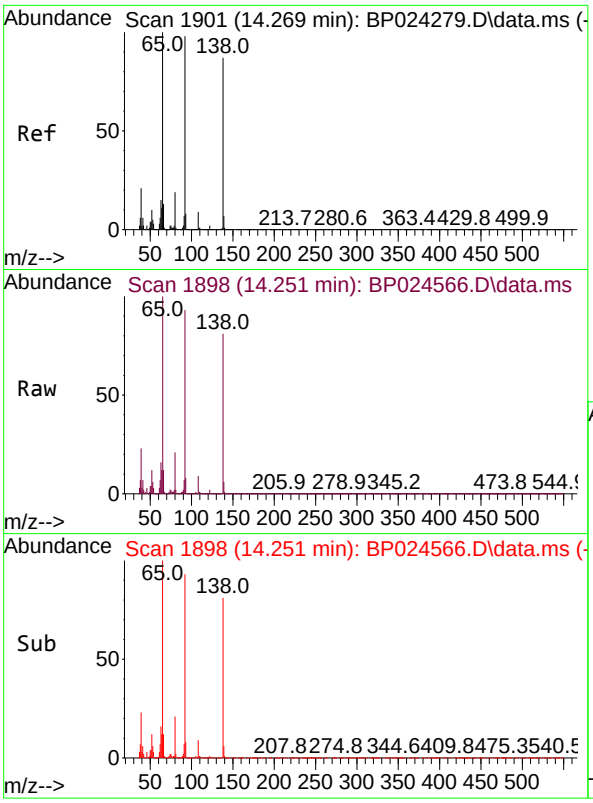


#52
Acenaphthene
Concen: 37.965 ng
RT: 14.398 min Scan# 1923
Delta R.T. -0.023 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:154 Resp: 725415

Ion	Ratio	Lower	Upper
154	100		
153	113.7	89.8	134.6
152	53.2	42.6	63.8



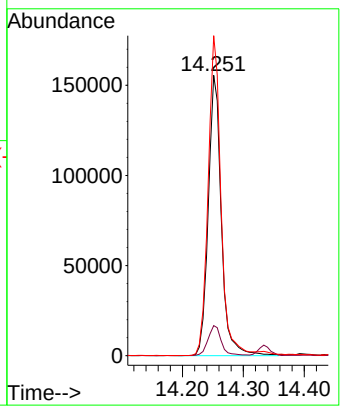


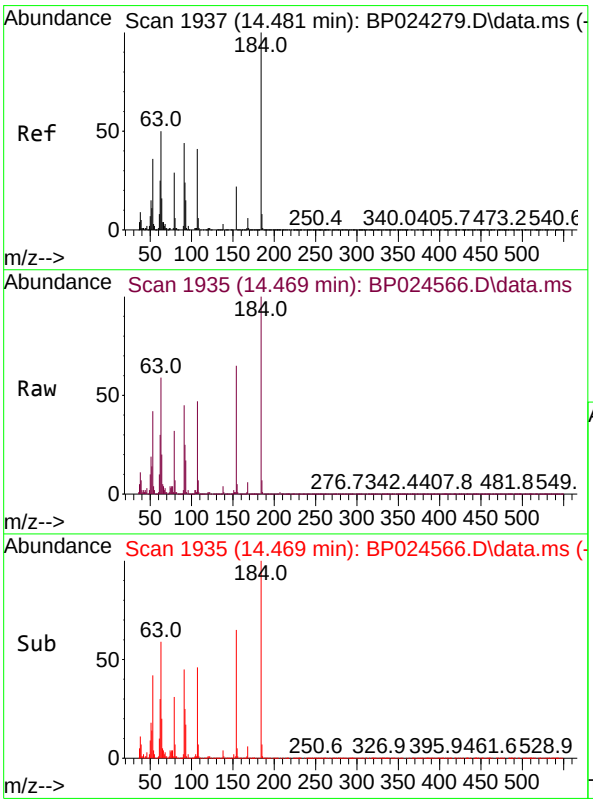
#53
3-Nitroaniline
Concen: 41.012 ng
RT: 14.251 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:138 Resp: 231947

Ion	Ratio	Lower	Upper
138	100		
108	10.7	8.3	12.5
92	114.2	89.8	134.8

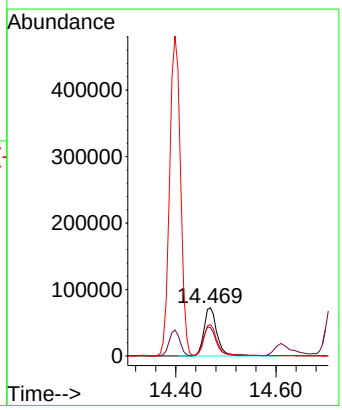


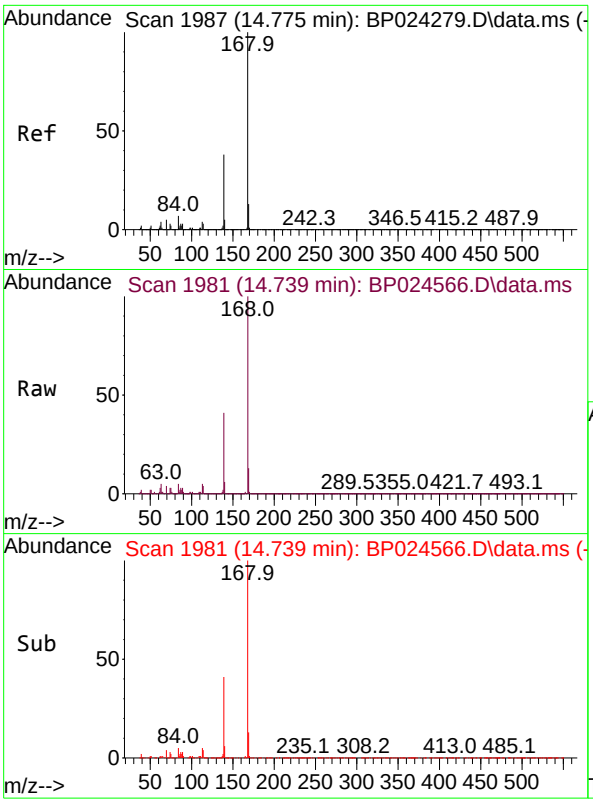


#54
2,4-Dinitrophenol
Concen: 41.885 ng
RT: 14.469 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:184 Resp: 132764

Ion	Ratio	Lower	Upper
184	100		
63	58.9	42.6	64.0
154	65.0	47.2	70.8



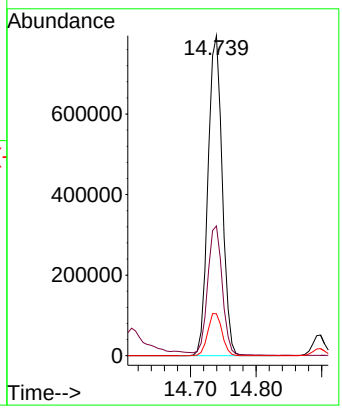


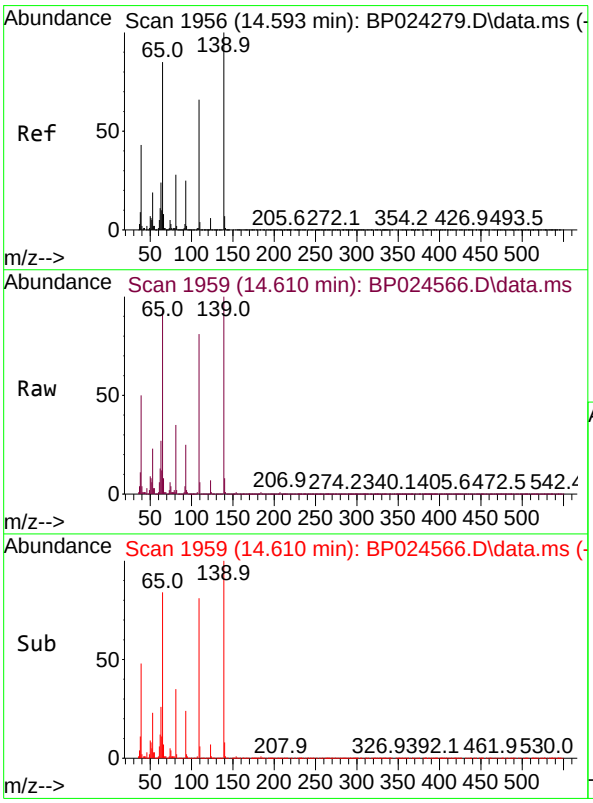
#55
Dibenzofuran
Concen: 38.268 ng
RT: 14.739 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:168 Resp: 1195227

Ion	Ratio	Lower	Upper
168	100		
139	40.5	30.3	45.5
169	13.1	10.6	16.0

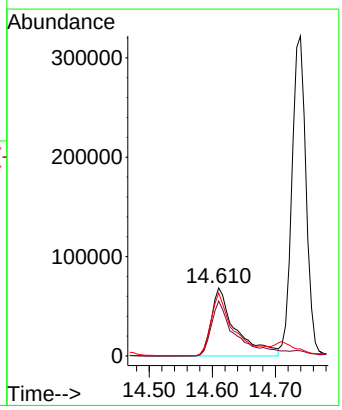


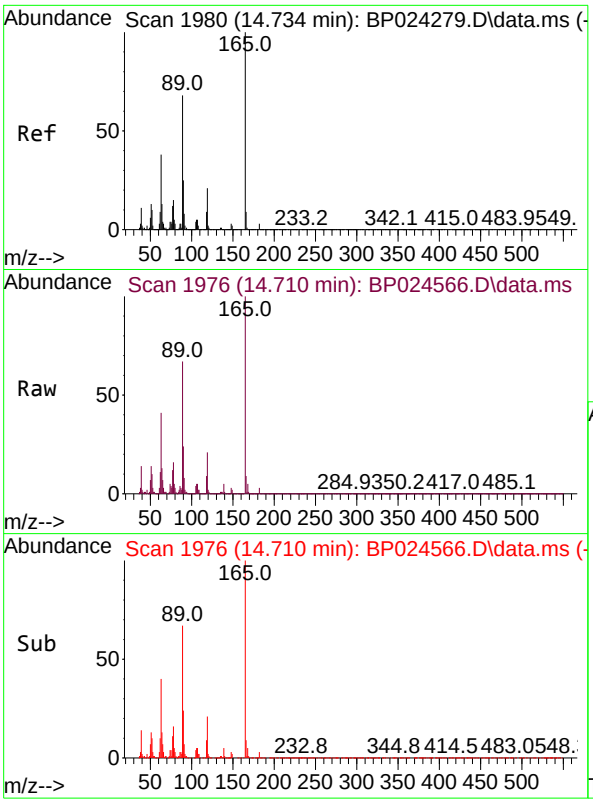


#56
4-Nitrophenol
Concen: 37.246 ng
RT: 14.610 min Scan# 1959
Delta R.T. 0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:139 Resp: 181927

Ion	Ratio	Lower	Upper
139	100		
109	80.7	46.1	86.1
65	92.8	65.0	105.0



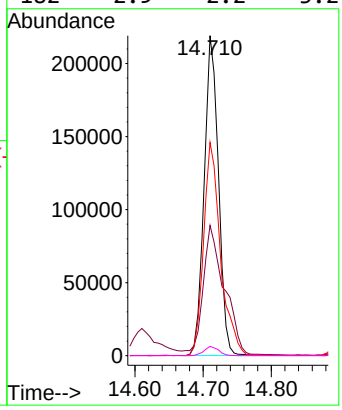


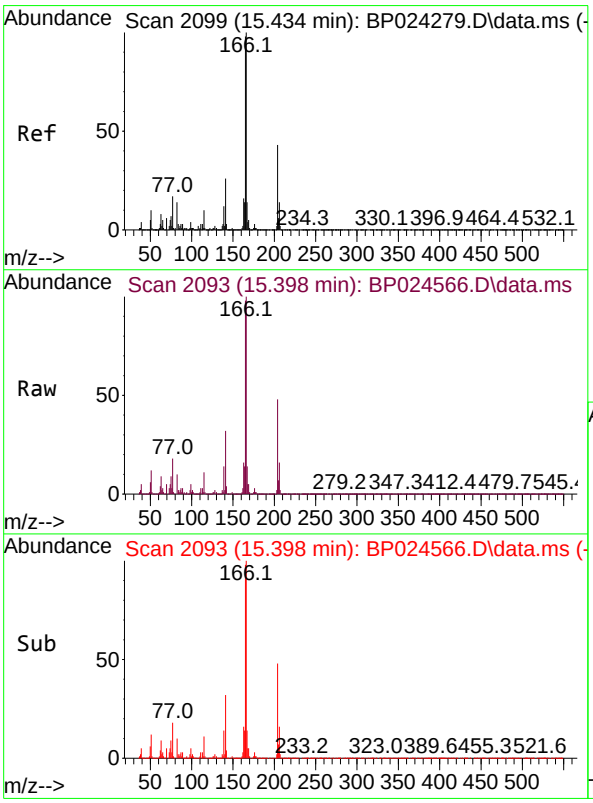
#57
2,4-Dinitrotoluene
Concen: 43.562 ng
RT: 14.710 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 319761

Ion	Ratio	Lower	Upper
165	100		
63	40.7	30.4	45.6
89	66.7	54.6	82.0
182	2.9	2.2	3.2

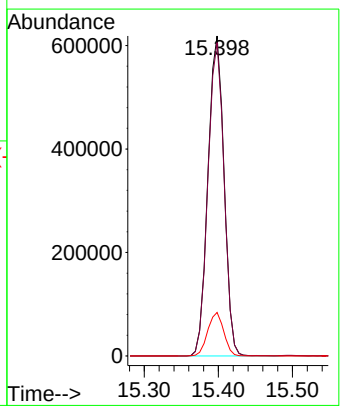


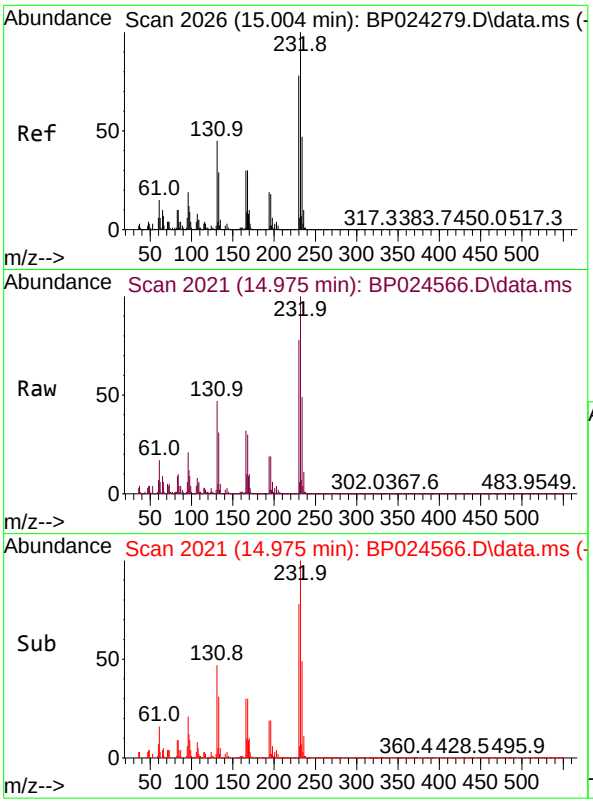


#58
Fluorene
Concen: 38.541 ng
RT: 15.398 min Scan# 2093
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:166 Resp: 931853

Ion	Ratio	Lower	Upper
166	100		
165	98.0	78.1	117.1
167	13.6	10.9	16.3



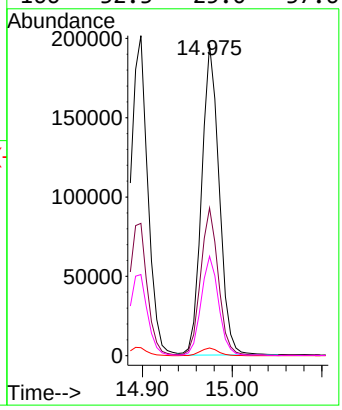


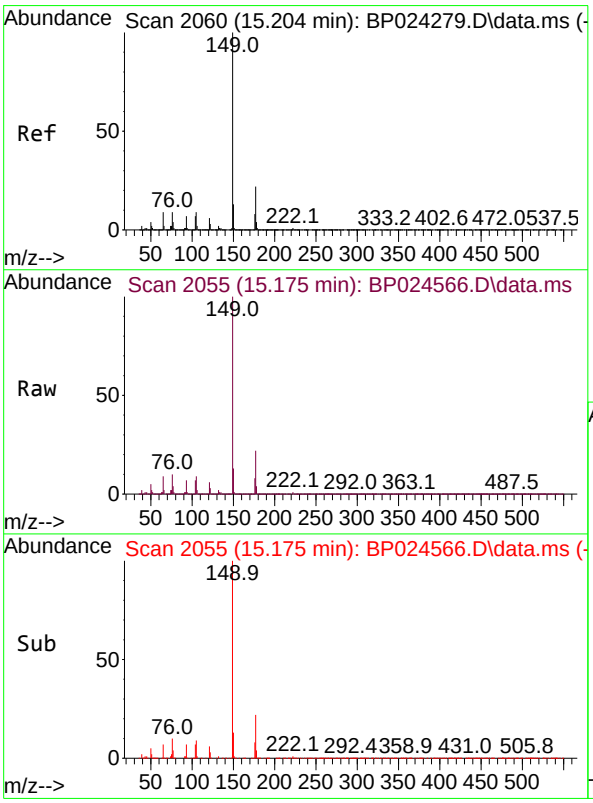
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.855 ng
RT: 14.975 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:232 Resp: 265848

Ion	Ratio	Lower	Upper
232	100		
131	47.7	36.8	55.2
130	2.5	1.9	2.9
166	32.3	25.0	37.6

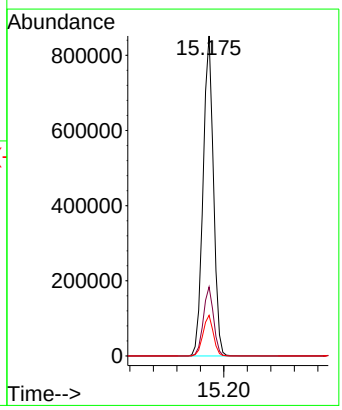


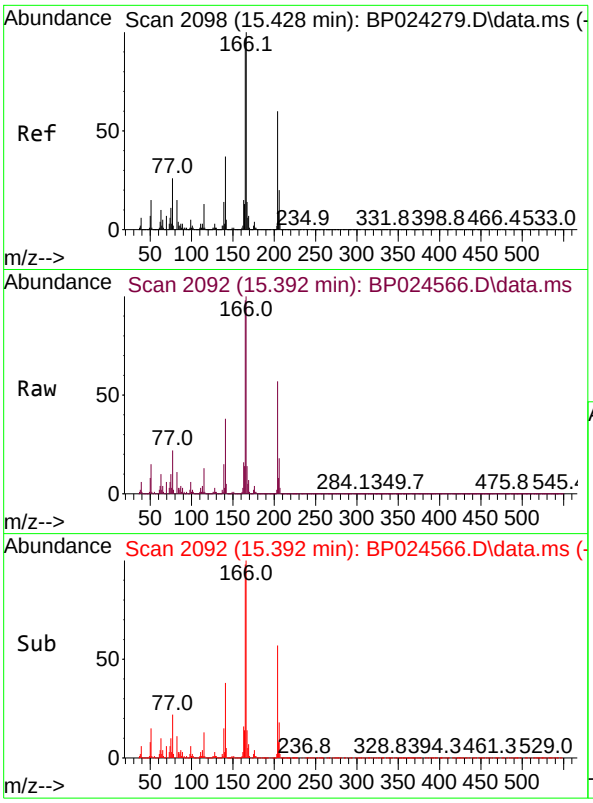


#60
Diethylphthalate
Concen: 39.959 ng
RT: 15.175 min Scan# 2055
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:149 Resp: 1043496

Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.4	26.2
150	12.7	10.1	15.1



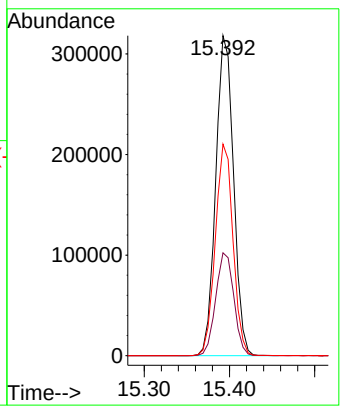


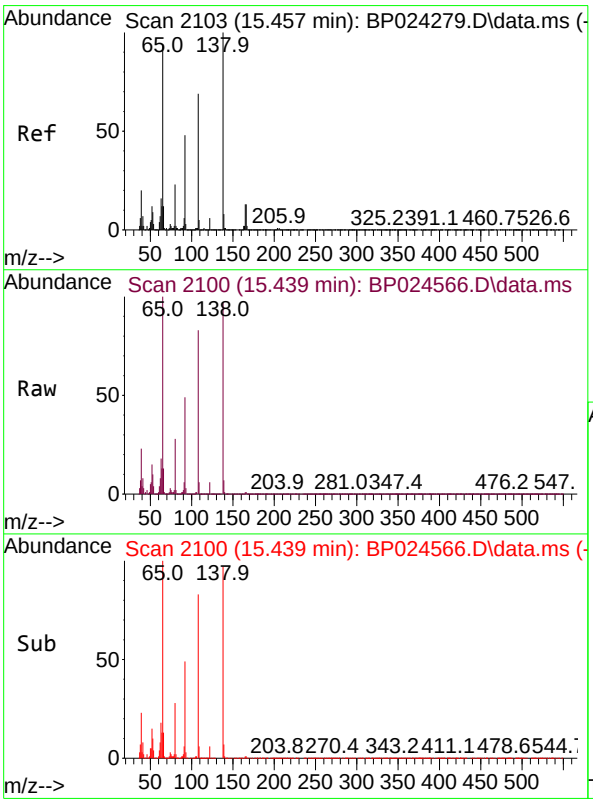
#61
4-Chlorophenyl-phenylether
Concen: 39.301 ng
RT: 15.392 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:204 Resp: 461433

Ion	Ratio	Lower	Upper
204	100		
206	32.1	26.5	39.7
141	66.1	49.4	74.0

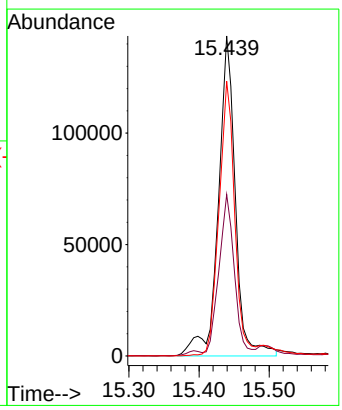


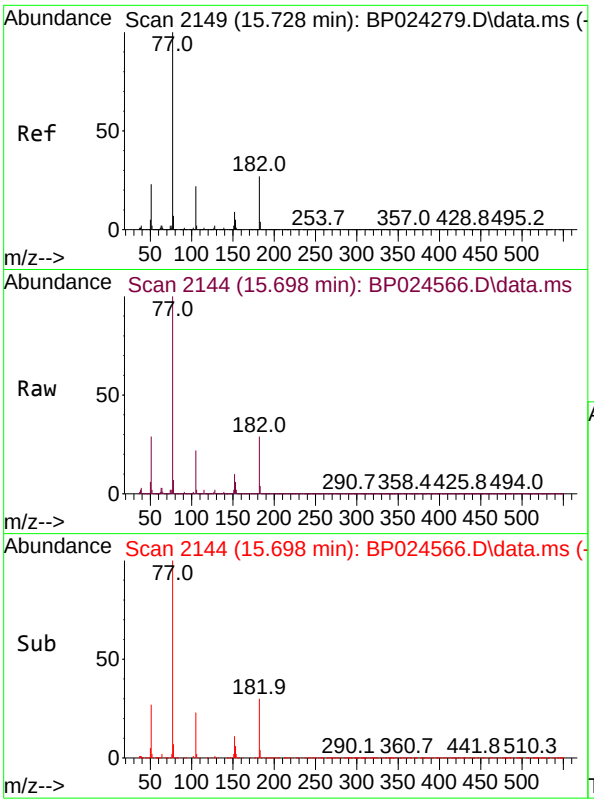


#62
4-Nitroaniline
Concen: 40.576 ng m
RT: 15.439 min Scan# 2100
Delta R.T. 0.000 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:138 Resp: 242932

Ion	Ratio	Lower	Upper
138	100		
92	50.4	27.8	67.8
108	85.9	48.9	88.9



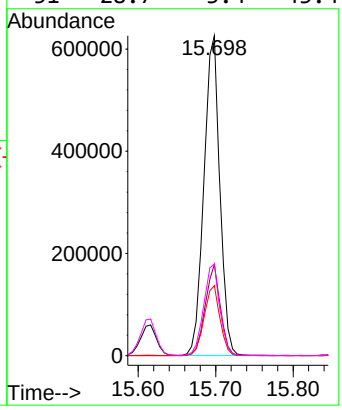


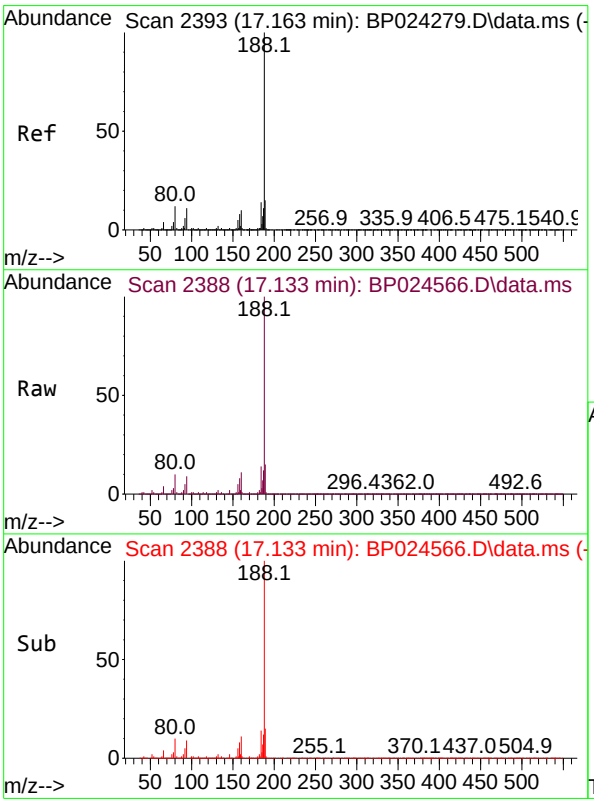
#63
Azobenzene
Concen: 37.130 ng
RT: 15.698 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 891201

Ion	Ratio	Lower	Upper
77	100		
182	28.6	7.3	47.3
105	21.9	2.3	42.3
51	28.7	3.4	43.4

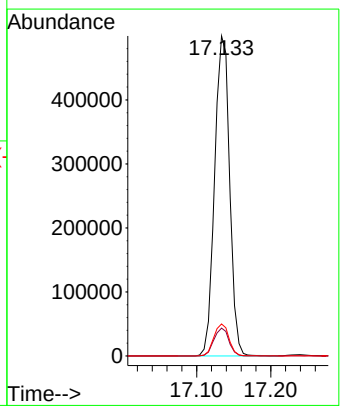


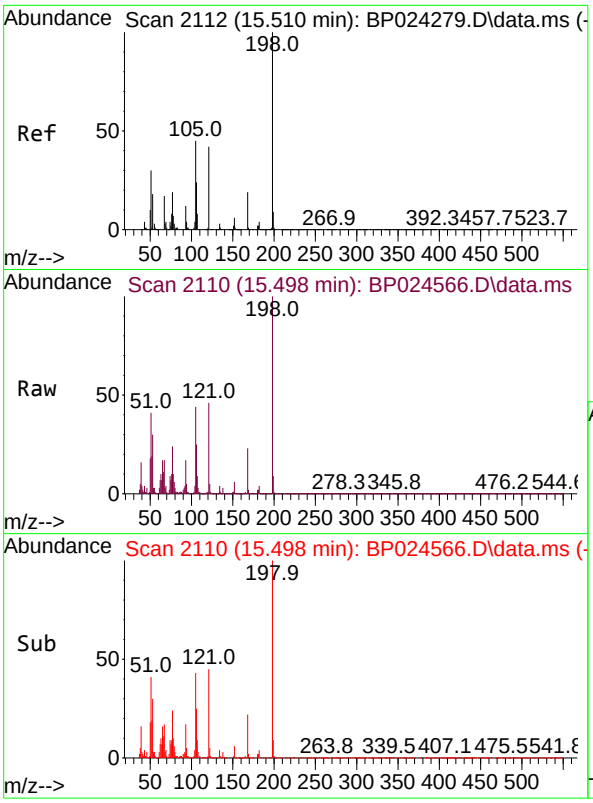


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.133 min Scan# 2388
Delta R.T. -0.012 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:188 Resp: 701754

Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.6	13.0
80	10.0	9.8	14.6



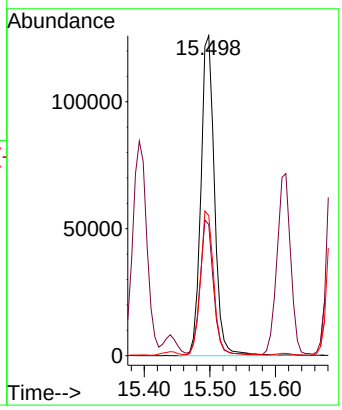


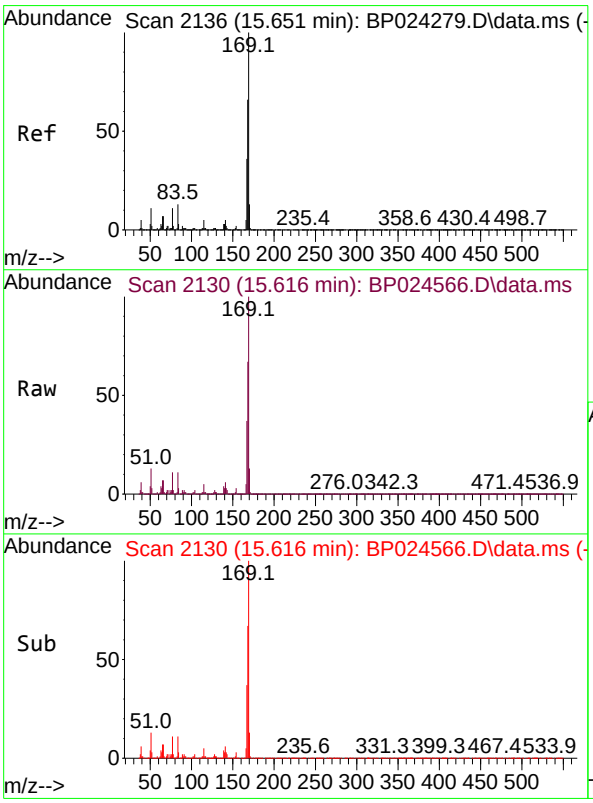
#65
4,6-Dinitro-2-methylphenol
Concen: 41.148 ng
RT: 15.498 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:198 Resp: 182050

Ion	Ratio	Lower	Upper
198	100		
51	41.0	18.4	58.4
105	43.8	26.5	66.5

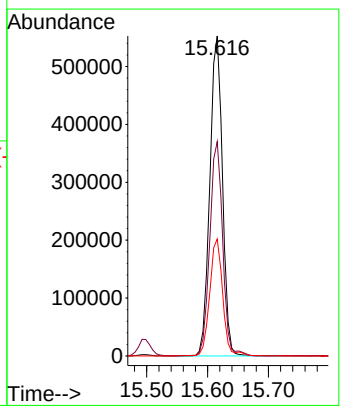


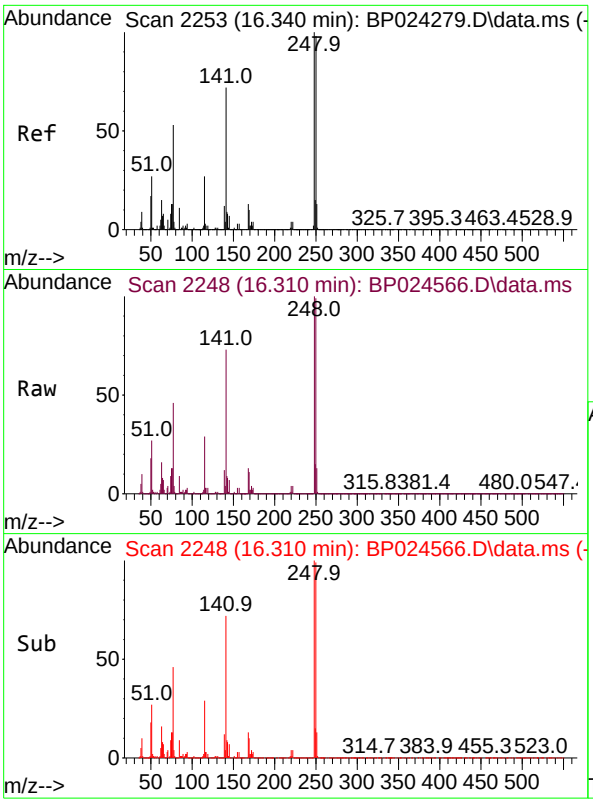


#66
n-Nitrosodiphenylamine
Concen: 38.025 ng
RT: 15.616 min Scan# 2130
Delta R.T. -0.012 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:169 Resp: 796456

Ion	Ratio	Lower	Upper
169	100		
168	67.0	53.0	79.4
167	36.5	28.9	43.3



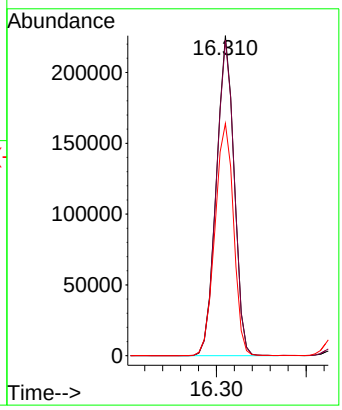


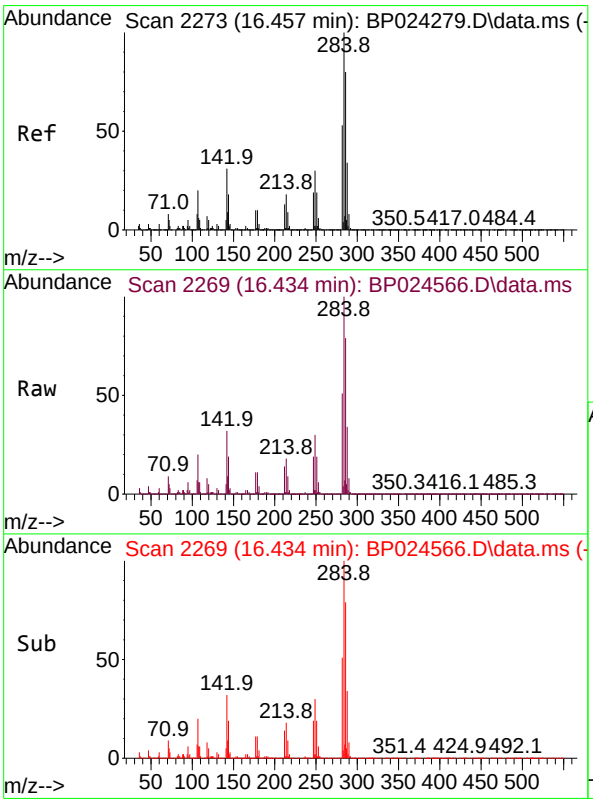
#67
4-Bromophenyl-phenylether
Concen: 40.518 ng
RT: 16.310 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:248 Resp: 310972

Ion	Ratio	Lower	Upper
248	100		
250	98.6	78.2	117.4
141	72.6	57.7	86.5

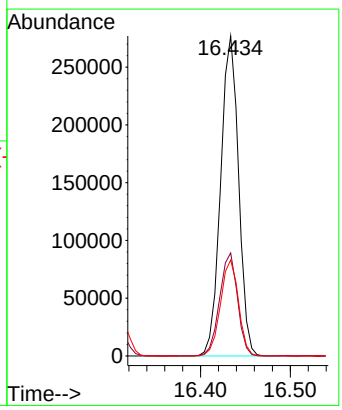


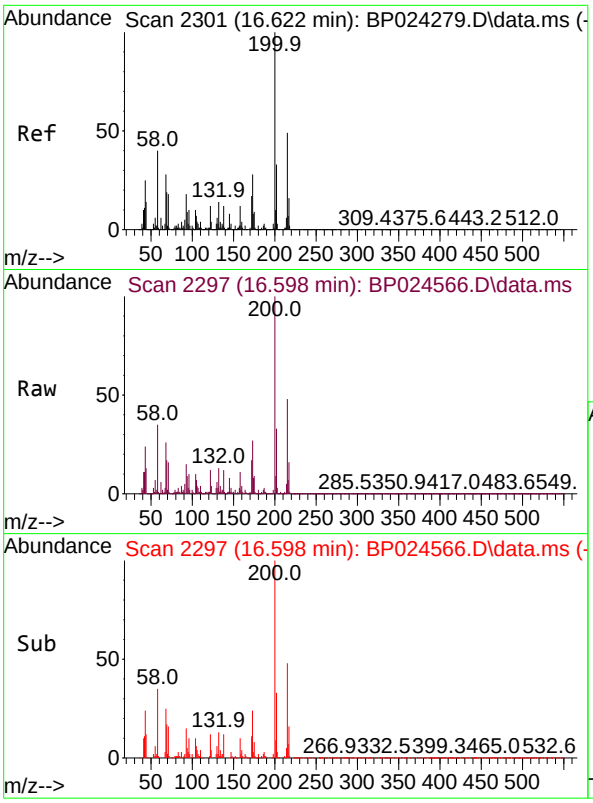


#68
Hexachlorobenzene
Concen: 42.125 ng
RT: 16.434 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:284 Resp: 384176

Ion	Ratio	Lower	Upper
284	100		
142	32.2	24.6	37.0
249	30.0	23.8	35.6



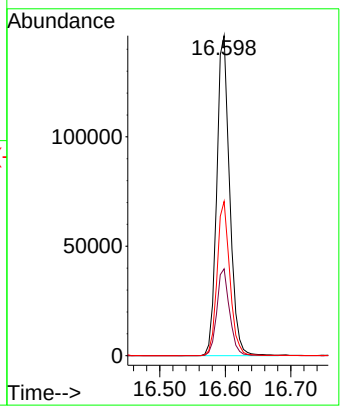


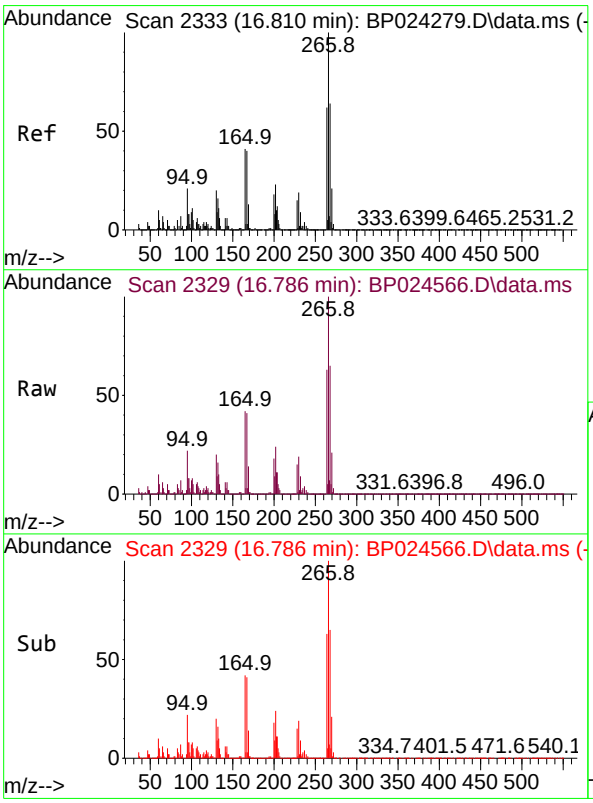
#69
Atrazine
Concen: 37.273 ng
RT: 16.598 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:200 Resp: 198839

Ion	Ratio	Lower	Upper
200	100		
173	27.1	7.5	47.5
215	48.2	28.8	68.8

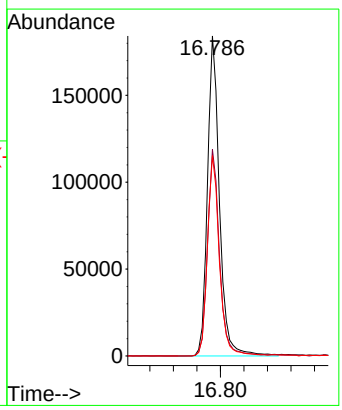


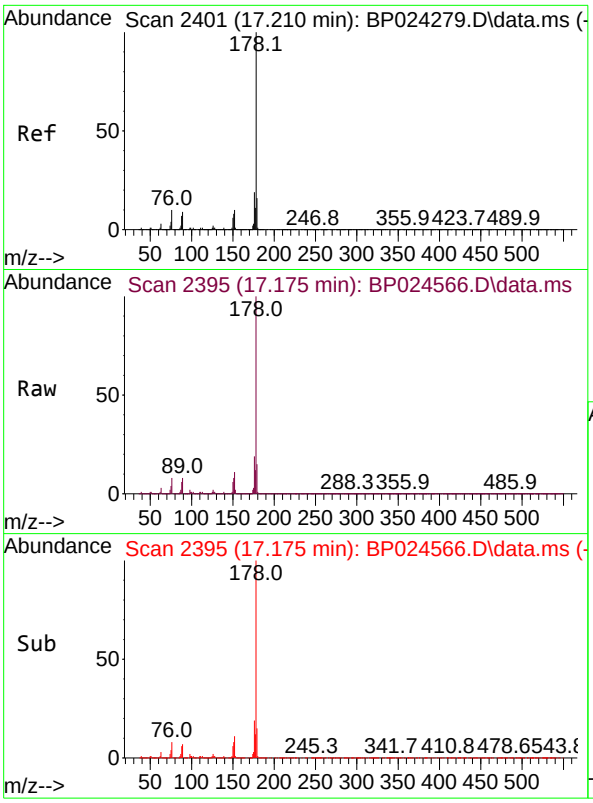


#70
Pentachlorophenol
Concen: 40.979 ng
RT: 16.786 min Scan# 2329
Delta R.T. -0.012 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:266 Resp: 260722

Ion	Ratio	Lower	Upper
266	100		
268	64.6	51.0	76.6
264	62.6	49.8	74.6



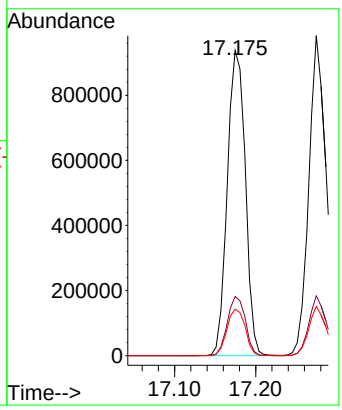


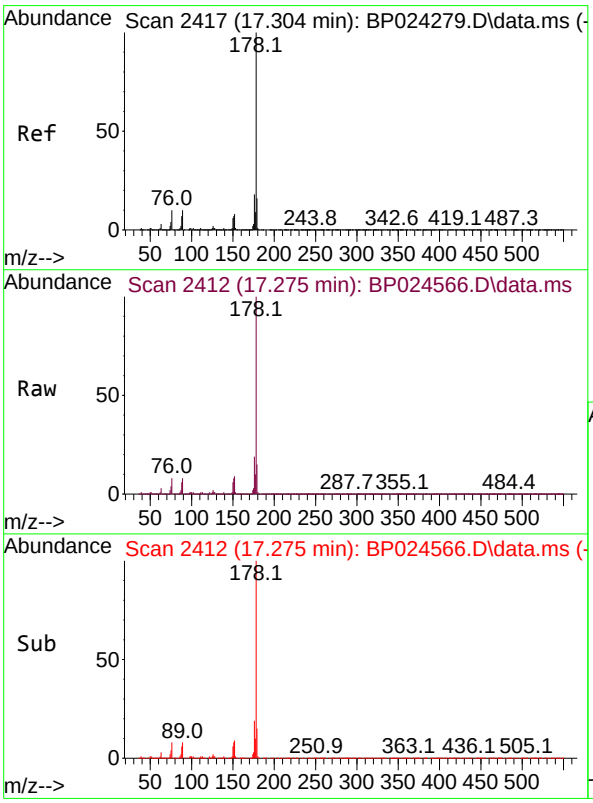
#71
Phenanthrene
Concen: 37.789 ng
RT: 17.175 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:178 Resp: 1446648

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.2	12.5	18.7

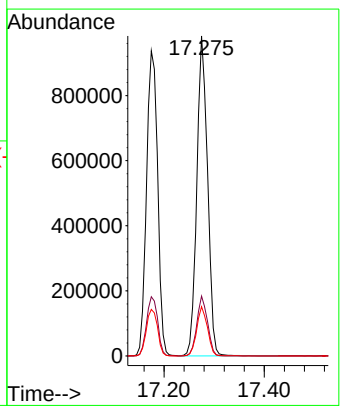


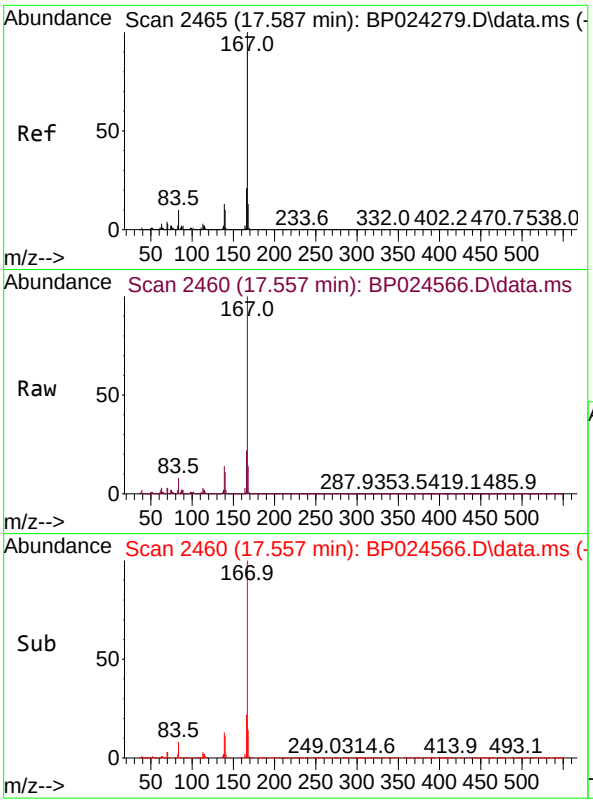


#72
Anthracene
Concen: 39.545 ng
RT: 17.275 min Scan# 2412
Delta R.T. -0.012 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:178 Resp: 1459070

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.7	22.1
179	15.4	12.4	18.6



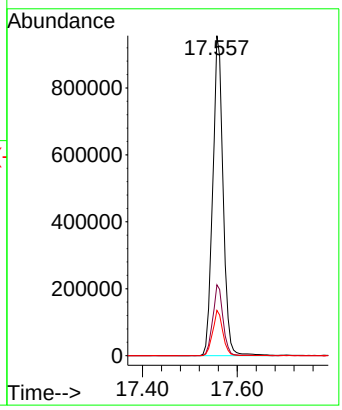


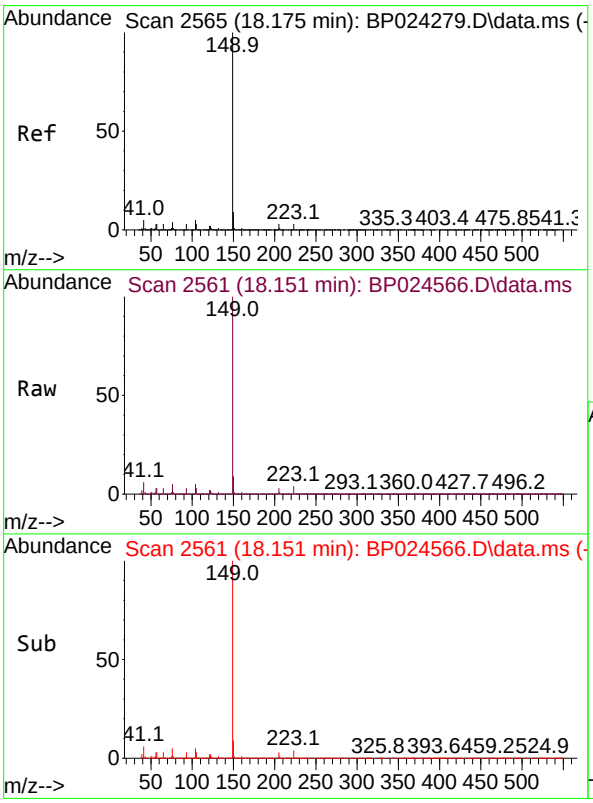
#73
Carbazole
Concen: 40.230 ng
RT: 17.557 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:167 Resp: 1450351

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.1	25.7
139	14.2	10.6	16.0

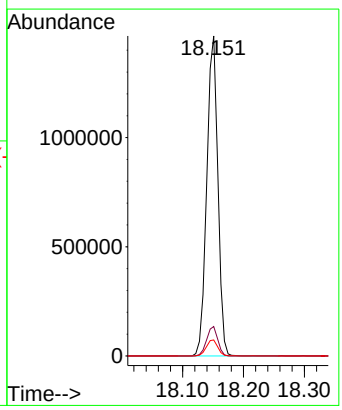


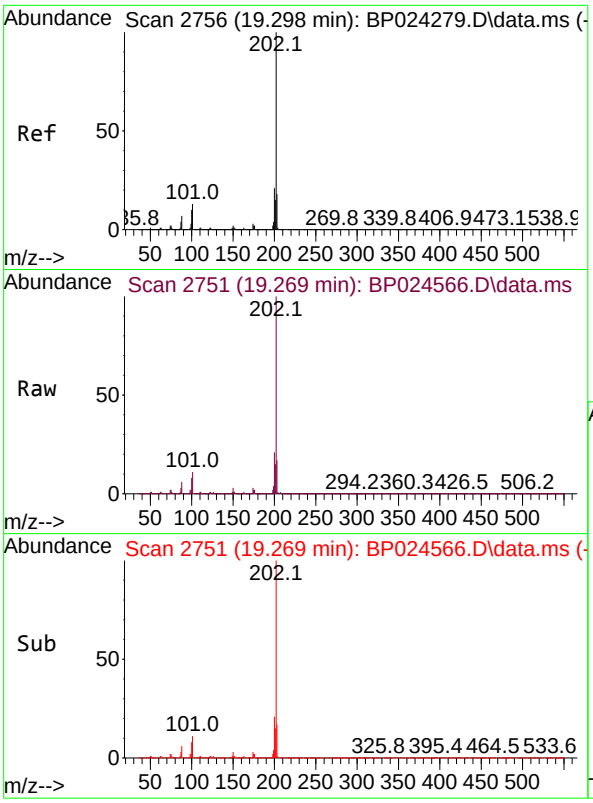


#74
Di-n-butylphthalate
Concen: 41.324 ng
RT: 18.151 min Scan# 2561
Delta R.T. -0.006 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:149 Resp: 1856049

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	5.0	3.9	5.9



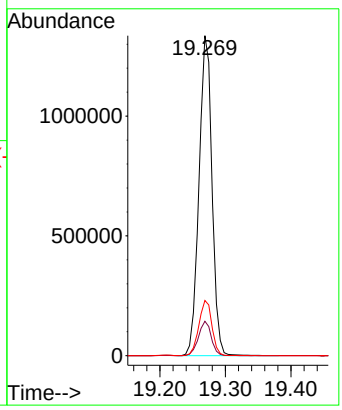


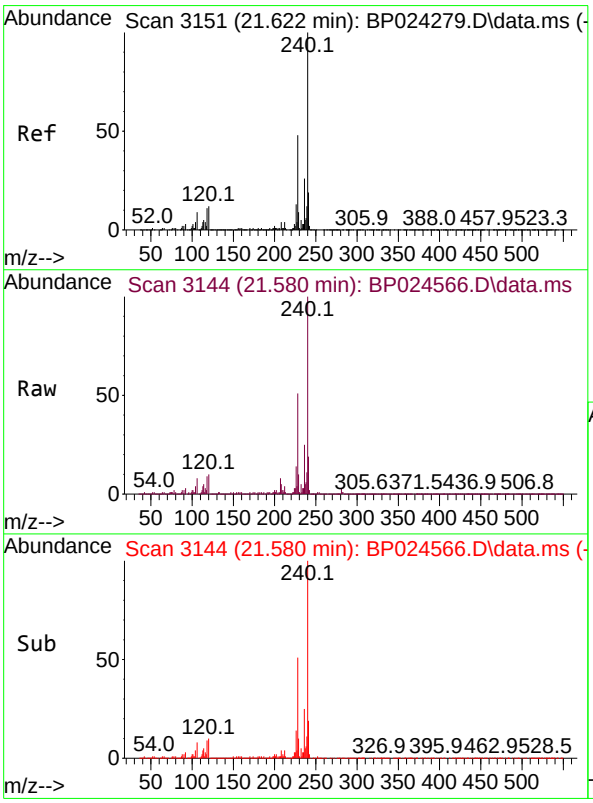
#75
Fluoranthene
Concen: 40.497 ng
RT: 19.269 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:202 Resp: 1843847

Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	33.2
203	17.2	0.0	37.7

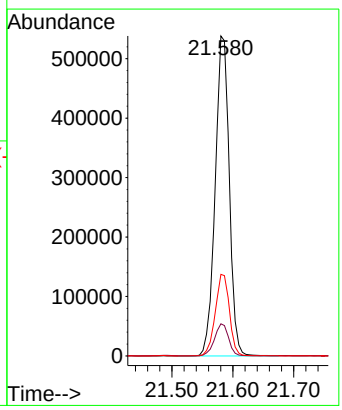


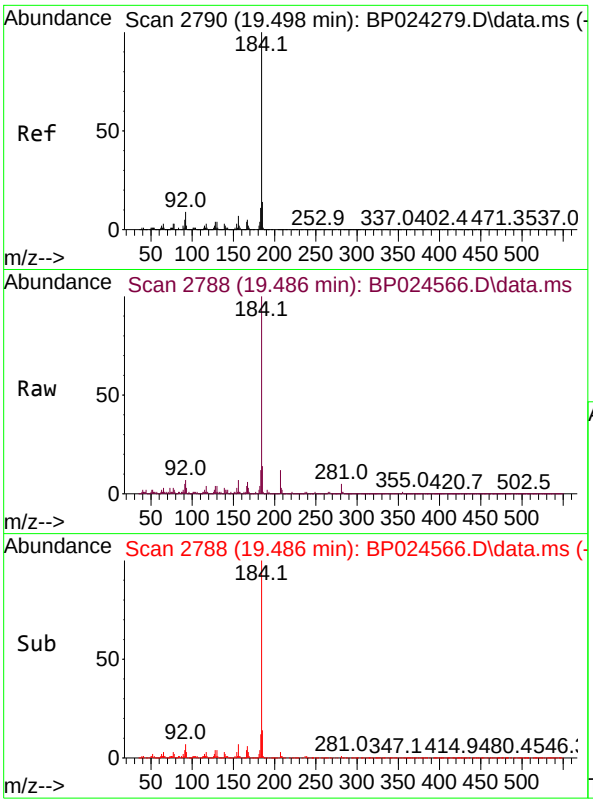


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.580 min Scan# 3144
Delta R.T. -0.012 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:240 Resp: 862550

Ion	Ratio	Lower	Upper
240	100		
120	10.1	9.8	14.8
236	25.5	20.9	31.3



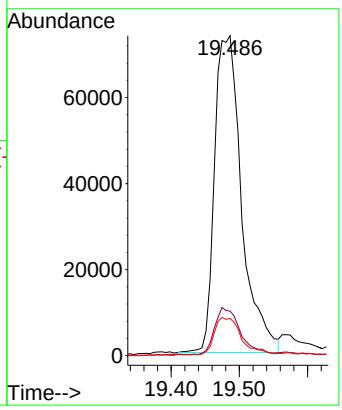


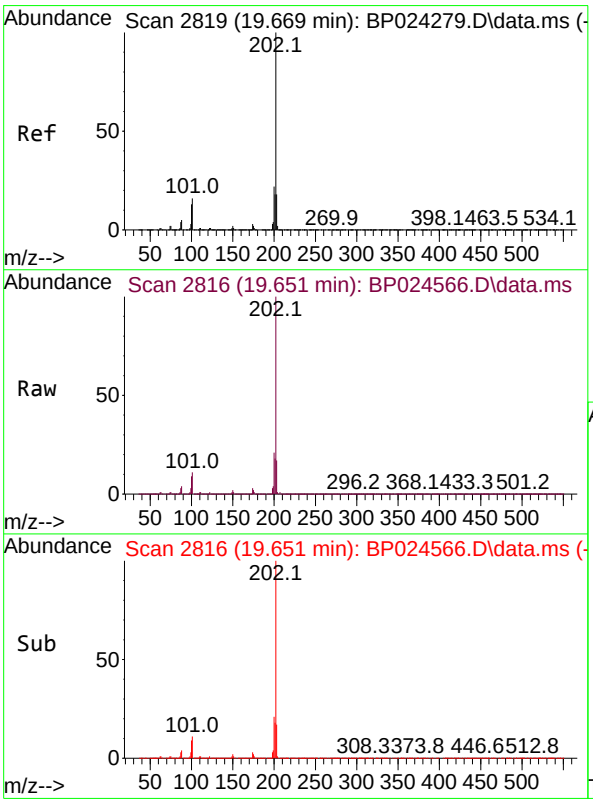
#77
Benzidine
Concen: 18.597 ng
RT: 19.486 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:184 Resp: 203326

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.6	17.4
183	11.7	9.2	13.8

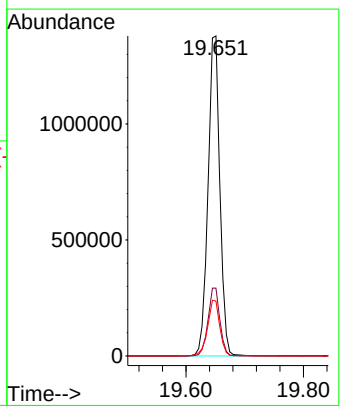


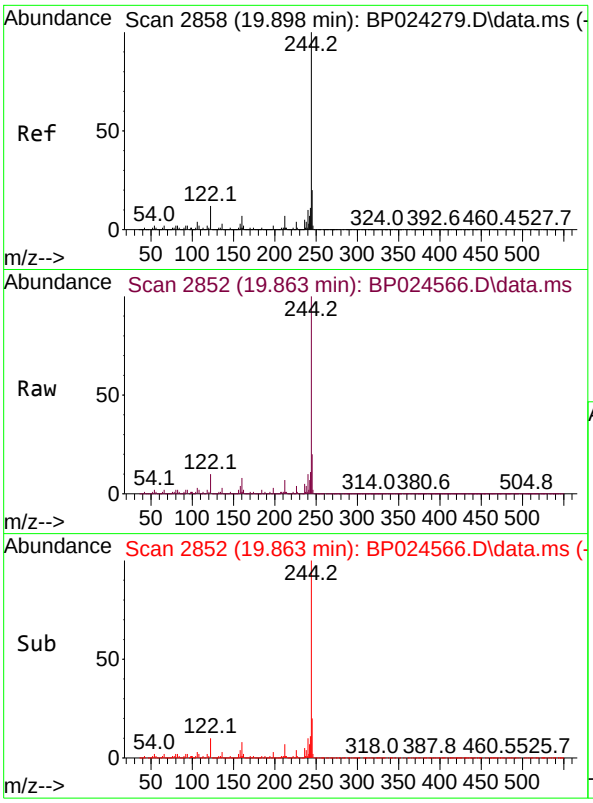


#78
Pyrene
Concen: 35.082 ng
RT: 19.651 min Scan# 2816
Delta R.T. 0.000 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:202 Resp: 1923076

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.2	25.8
203	17.1	14.4	21.6



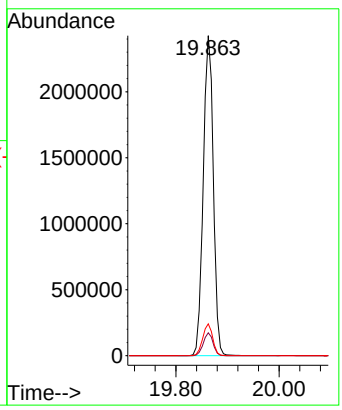


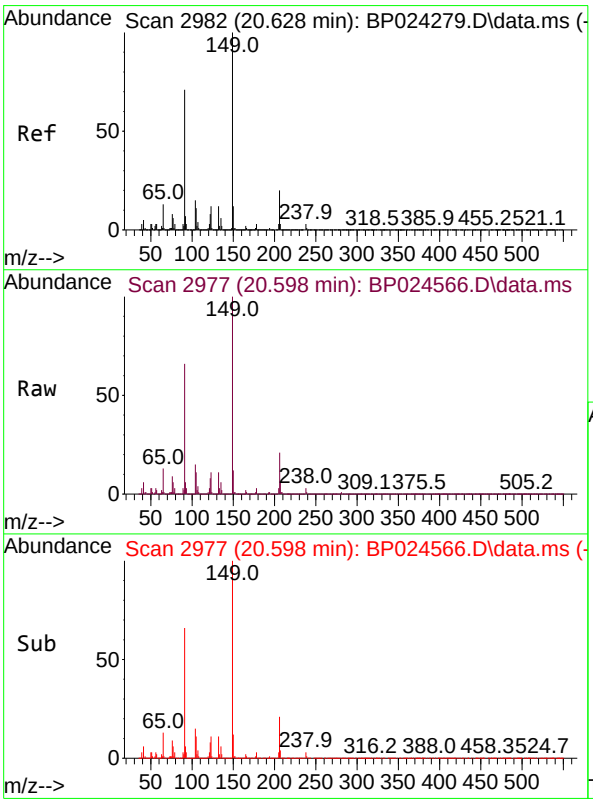
#79
Terphenyl-d14
Concen: 76.605 ng
RT: 19.863 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:244 Resp: 3278159

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	9.9	9.4	14.0

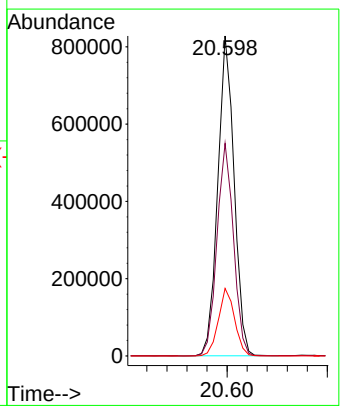


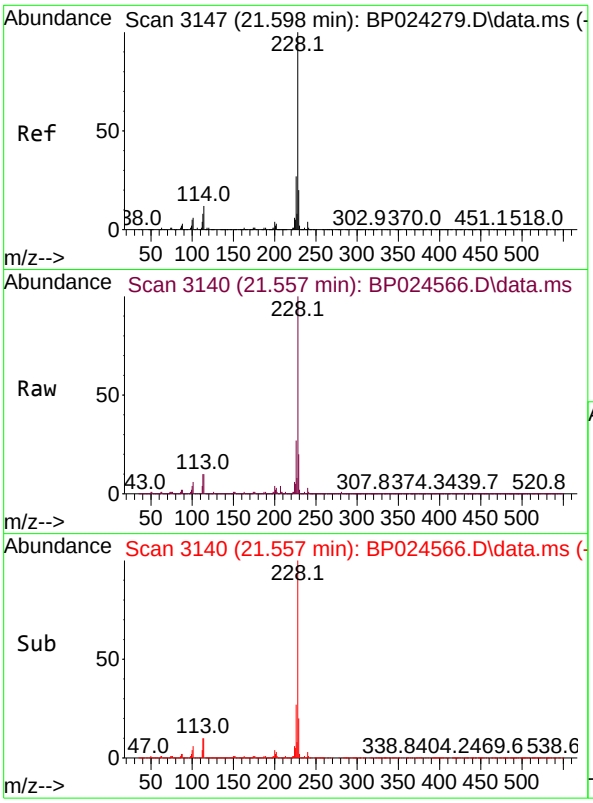


#80
Butylbenzylphthalate
Concen: 39.709 ng
RT: 20.598 min Scan# 2977
Delta R.T. -0.006 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:149 Resp: 932320

Ion	Ratio	Lower	Upper
149	100		
91	66.4	56.4	84.6
206	21.1	16.3	24.5



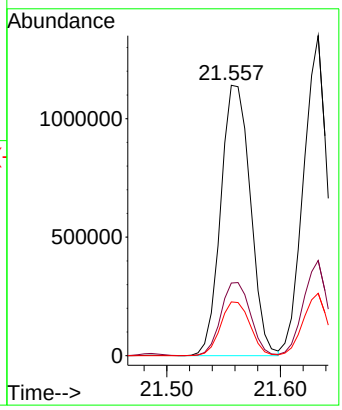


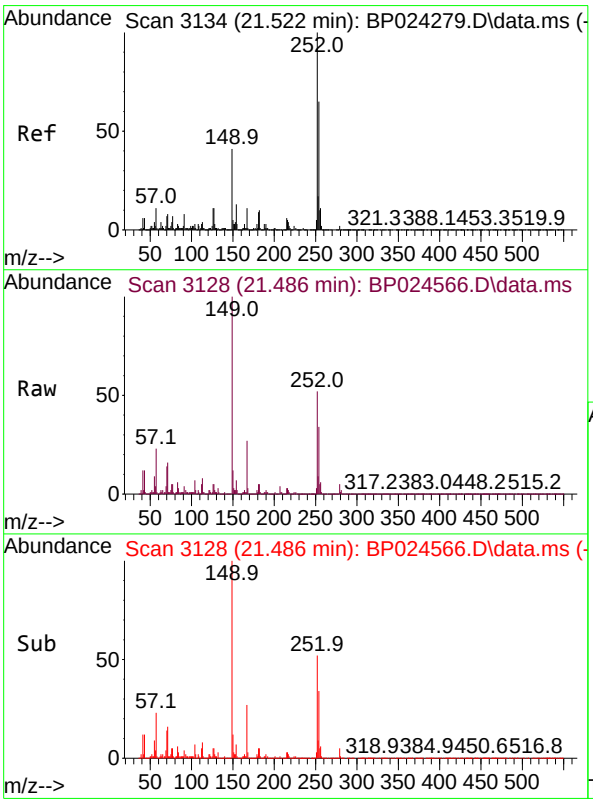
#81
Benzo(a)anthracene
Concen: 38.587 ng
RT: 21.557 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 2068763

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.8	32.8
229	19.9	15.9	23.9

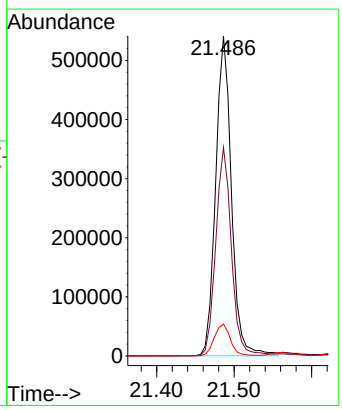


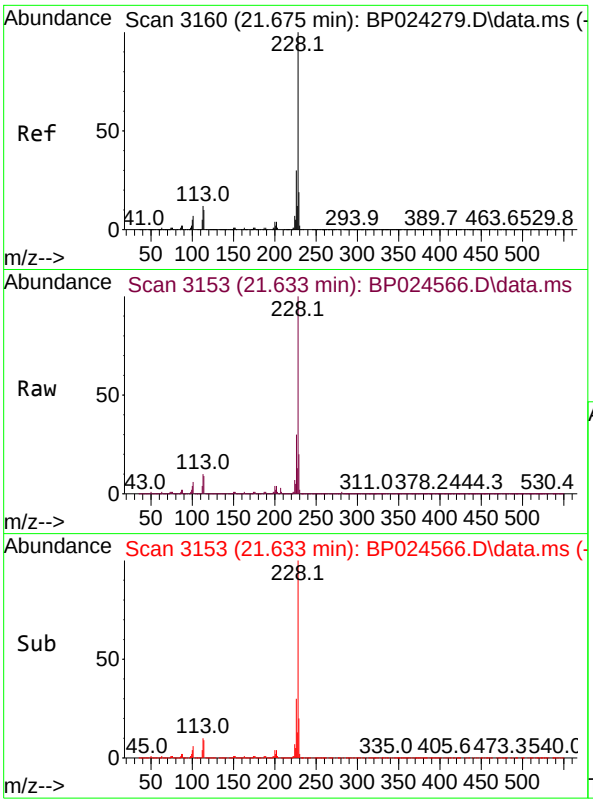


#82
3,3'-Dichlorobenzidine
Concen: 40.811 ng
RT: 21.486 min Scan# 3128
Delta R.T. -0.006 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:252 Resp: 767952

Ion	Ratio	Lower	Upper
252	100		
254	65.1	51.7	77.5
126	10.0	8.8	13.2



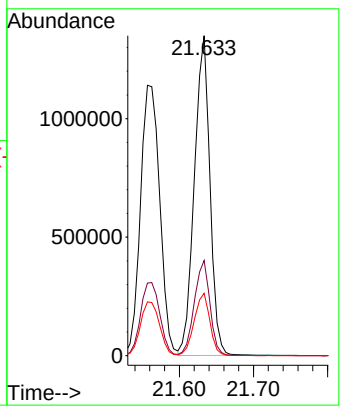


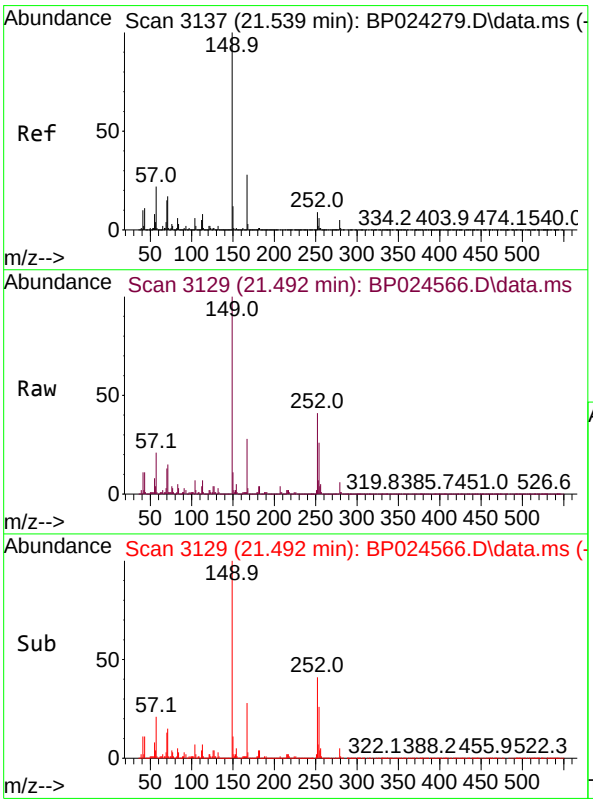
#83
Chrysene
Concen: 38.329 ng
RT: 21.633 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 1968699

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.2	36.2
229	19.5	15.6	23.4

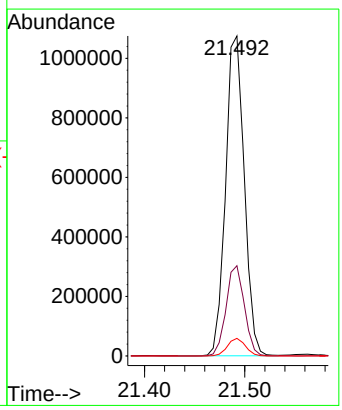


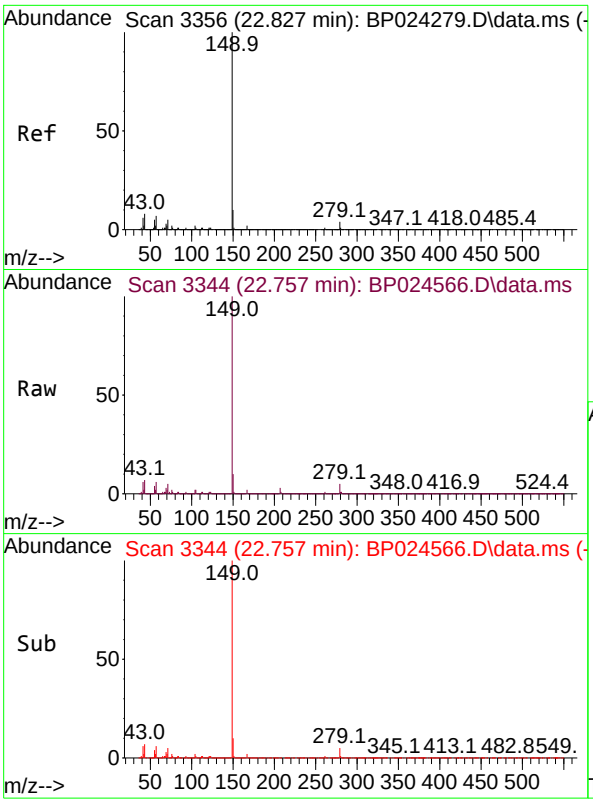


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.383 ng
RT: 21.492 min Scan# 3129
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:149 Resp: 1389970

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.4	33.6
279	5.5	4.0	6.0



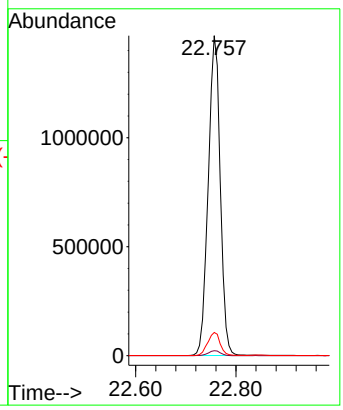


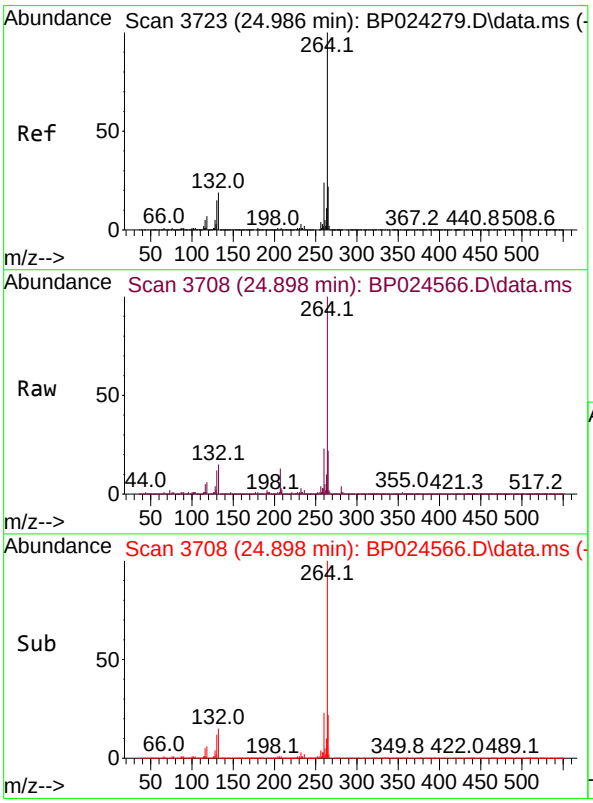
#85
Di-n-octyl phthalate
Concen: 43.660 ng
RT: 22.757 min Scan# 3
Delta R.T. -0.029 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:149 Resp: 2443057

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.6	6.0	9.0

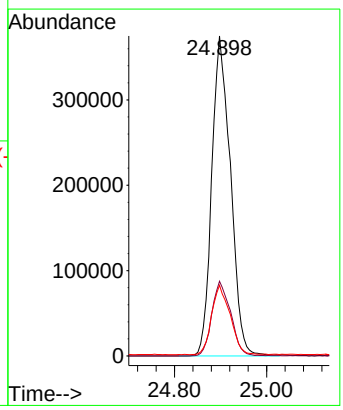


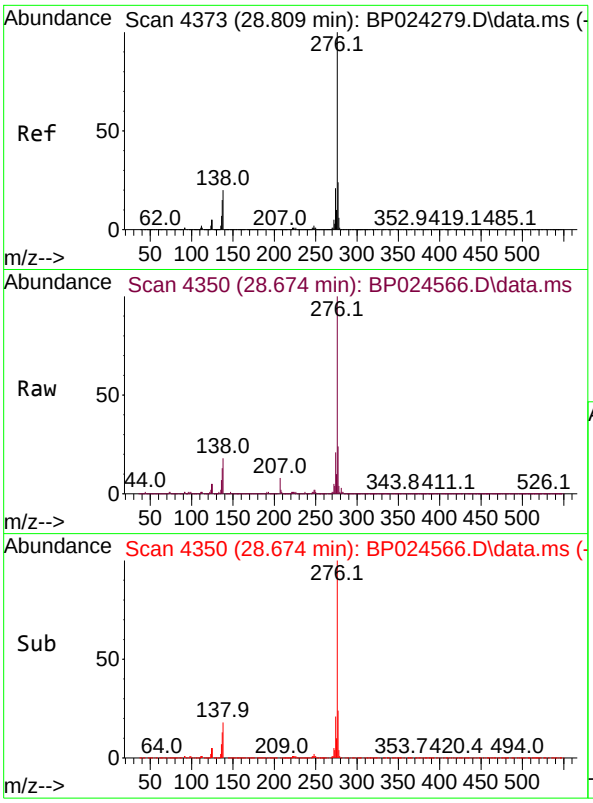


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.898 min Scan# 3708
Delta R.T. -0.035 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:264 Resp: 1057764

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.9	28.3
265	22.1	17.8	26.6



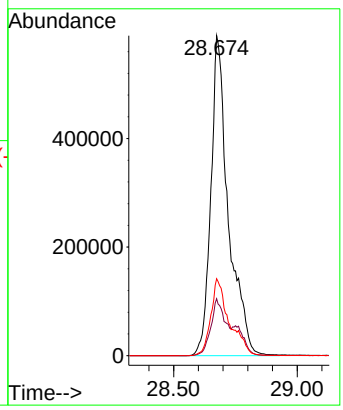


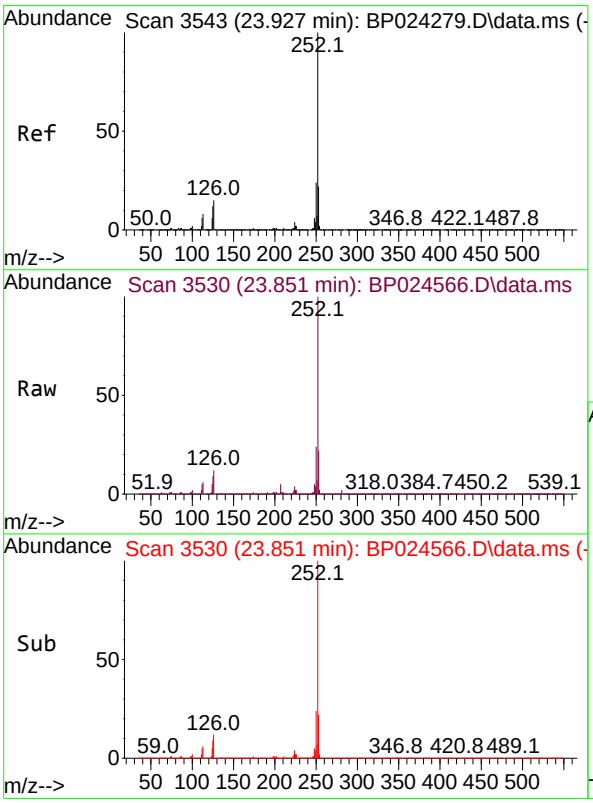
#87
Indeno(1,2,3-cd)pyrene
Concen: 39.490 ng
RT: 28.674 min Scan# 4
Delta R.T. -0.065 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:276 Resp: 2899918

Ion	Ratio	Lower	Upper
276	100		
138	15.1	14.5	21.7
277	25.5	20.2	30.2

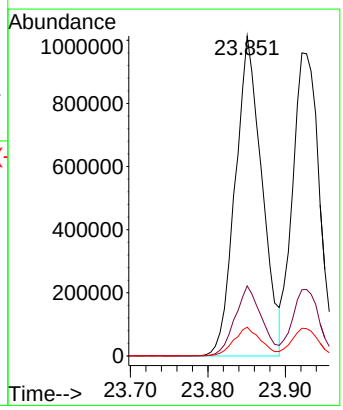


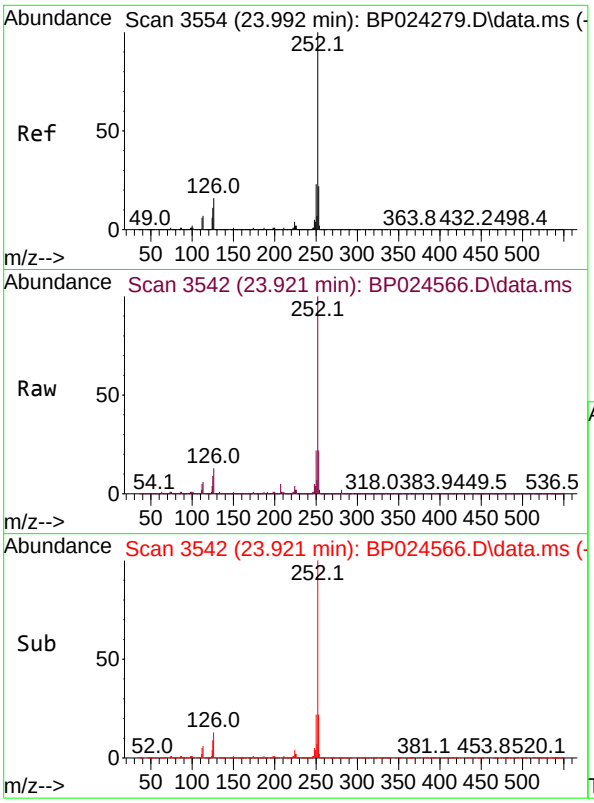


#88
Benzo(b)fluoranthene
Concen: 38.267 ng
RT: 23.851 min Scan# 3530
Delta R.T. -0.035 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:252 Resp: 2426256

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	9.0	9.4	14.0#



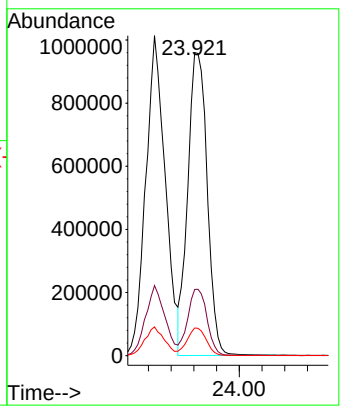


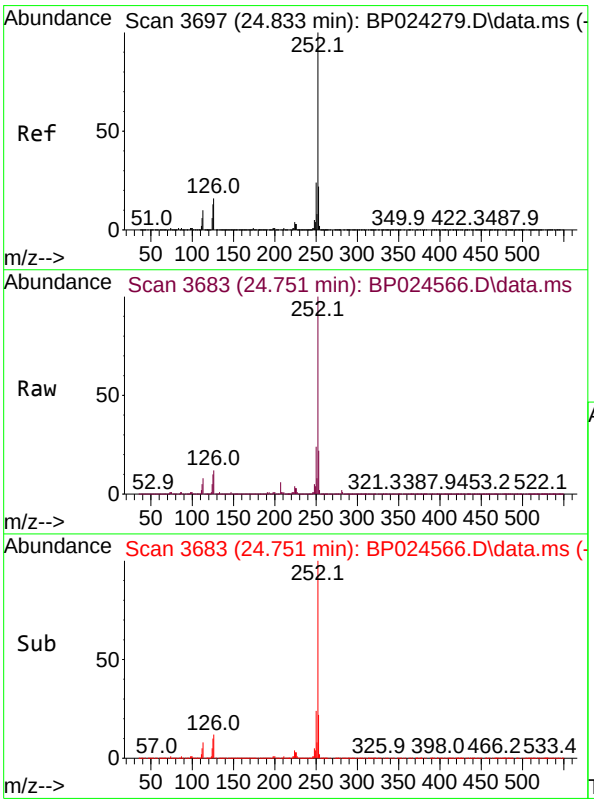
#89
Benzo(k)fluoranthene
Concen: 37.277 ng
RT: 23.921 min Scan# 3
Delta R.T. -0.035 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:252 Resp: 2282969

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	9.1	9.1	13.7

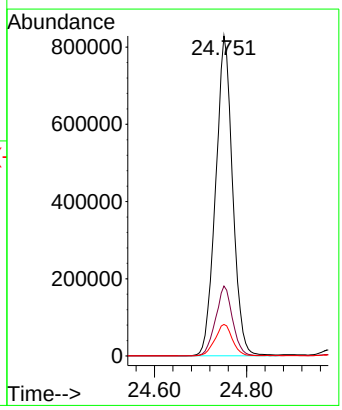


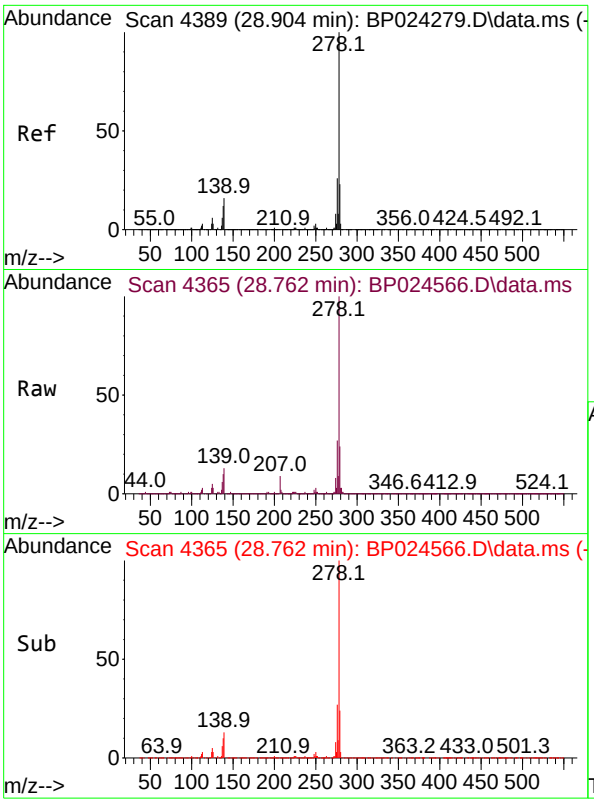


#90
Benzo(a)pyrene
Concen: 38.673 ng
RT: 24.751 min Scan# 3683
Delta R.T. -0.029 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:252 Resp: 2115084

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	9.9	10.1	15.1#



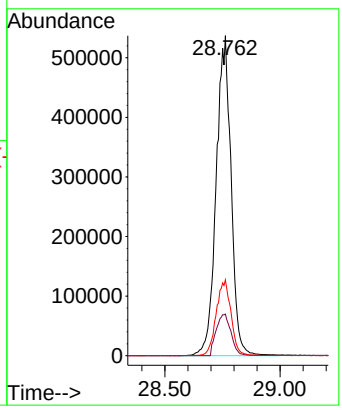


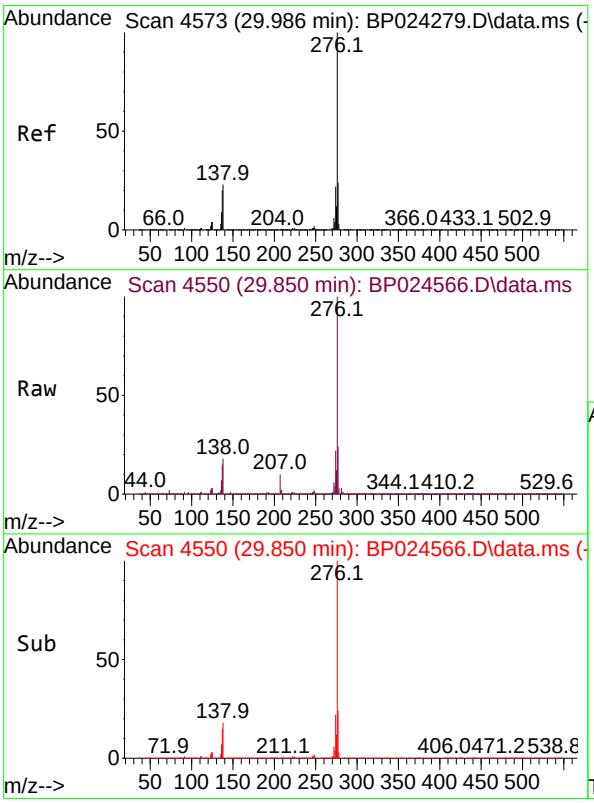
#91
Dibenzo(a,h)anthracene
Concen: 39.511 ng
RT: 28.762 min Scan# 4
Delta R.T. -0.041 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:278 Resp: 2408286

Ion	Ratio	Lower	Upper
278	100		
139	13.0	12.6	19.0
279	23.7	18.5	27.7

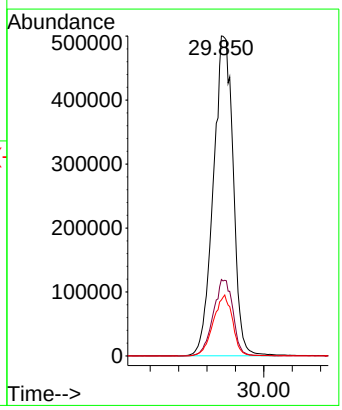




#92
Benzo(g,h,i)perylene
Concen: 39.052 ng
RT: 29.850 min Scan# 4550
Delta R.T. -0.047 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:276 Resp: 2422819

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.9	28.3
138	17.5	18.7	28.1#



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050725\
Data File : BP024566.D
Acq On : 07 May 2025 16:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 07 17:03:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 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	56	-0.02
2		1,4-Dioxane	0.512	0.476	7.0	52	-0.01
3		Pyridine	1.351	1.155	14.5	46#	-0.01
4		n-Nitrosodimethylamine	0.448	0.493	-10.0	61	-0.01
5	S	2-Fluorophenol	1.210	1.185	2.1	53	-0.02
6		Aniline	1.480	1.196	19.2	42#	-0.02
7	S	Phenol-d6	1.656	1.497	9.6	48#	-0.02
8		2-Chlorophenol	1.350	1.282	5.0	51	-0.02
9		Benzaldehyde	0.819	0.836	-2.1	56	-0.02
10	C	Phenol	1.661	1.477	11.1	47#	-0.02
11		bis(2-Chloroethyl)ether	1.339	1.148	14.3	46#	-0.02
12		1,3-Dichlorobenzene	1.454	1.372	5.6	52	-0.02
13	C	1,4-Dichlorobenzene	1.475	1.402	4.9	53	-0.02
14		1,2-Dichlorobenzene	1.424	1.339	6.0	52	-0.02
15		Benzyl Alcohol	1.071	1.014	5.3	49#	-0.02
16		2,2'-oxybis(1-Chloropropane	1.447	1.245	14.0	46#	-0.02
17		2-Methylphenol	1.075	1.001	6.9	49#	-0.02
18		Hexachloroethane	0.533	0.519	2.6	54	-0.02
19	P	n-Nitroso-di-n-propylamine	1.025	0.880	14.1	46#	-0.02
20		3+4-Methylphenols	1.491	1.360	8.8	48#	-0.02
21	I	Naphthalene-d8	1.000	1.000	0.0	52	-0.02
22		Acetophenone	0.495	0.481	2.8	48#	-0.02
23	S	Nitrobenzene-d5	0.351	0.346	1.4	49#	-0.02
24		Nitrobenzene	0.347	0.335	3.5	48#	-0.02
25		Isophorone	0.635	0.589	7.2	46#	-0.02
26	C	2-Nitrophenol	0.170	0.181	-6.5	51	-0.02
27		2,4-Dimethylphenol	0.213	0.207	2.8	48#	-0.02
28		bis(2-Chloroethoxy)methane	0.429	0.378	11.9	43#	-0.02
29	C	2,4-Dichlorophenol	0.291	0.295	-1.4	50#	0.00
30		1,2,4-Trichlorobenzene	0.311	0.313	-0.6	51	-0.02
31		Naphthalene	1.054	0.998	5.3	48#	-0.02
32		Benzoic acid	0.248	0.227	8.5	49#	0.00
33		4-Chloroaniline	0.371	0.342	7.8	45#	-0.02
34	C	Hexachlorobutadiene	0.183	0.197	-7.7	54	-0.02
35		Caprolactam	0.107	0.108	-0.9	50#	-0.02
36	C	4-Chloro-3-methylphenol	0.339	0.340	-0.3	49#	-0.01
37		2-Methylnaphthalene	0.731	0.699	4.4	48#	-0.02
38		1-Methylnaphthalene	0.715	0.676	5.5	48#	-0.02
39	I	Acenaphthene-d10	1.000	1.000	0.0	53	-0.02
40		1,2,4,5-Tetrachlorobenzene	0.550	0.552	-0.4	51	-0.02
41	P	Hexachlorocyclopentadiene	0.195	0.193	1.0	47#	-0.02
42	S	2,4,6-Tribromophenol	0.277	0.322	-16.2	59	0.00
43	C	2,4,6-Trichlorophenol	0.366	0.371	-1.4	50	-0.02
44		2,4,5-Trichlorophenol	0.405	0.411	-1.5	51	-0.02
45	S	2-Fluorobiphenyl	1.306	1.259	3.6	49#	-0.02
46		1,1'-Biphenyl	1.470	1.413	3.9	49#	-0.02
47		2-Chloronaphthalene	1.099	1.053	4.2	49#	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050725\
Data File : BP024566.D
Acq On : 07 May 2025 16:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 07 17:03:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 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	0.308	0.325	-5.5	52	-0.01
49		Acenaphthylene	1.730	1.659	4.1	48#	-0.02
50		Dimethylphthalate	1.454	1.438	1.1	51	-0.02
51		2,6-Dinitrotoluene	0.309	0.318	-2.9	52	-0.01
52	C	Acenaphthene	1.097	1.041	5.1	49#	-0.02
53		3-Nitroaniline	0.325	0.333	-2.5	50#	-0.01
54	P	2,4-Dinitrophenol	0.182	0.191	-4.9	54	0.00
55		Dibenzofuran	1.793	1.715	4.4	50#	-0.02
56	P	4-Nitrophenol	0.280	0.261	6.8	45#	0.02
57		2,4-Dinitrotoluene	0.421	0.459	-9.0	54	-0.01
58		Fluorene	1.388	1.337	3.7	51	-0.02
59		2,3,4,6-Tetrachlorophenol	0.373	0.381	-2.1	52	-0.02
60		Diethylphthalate	1.499	1.497	0.1	51	-0.02
61		4-Chlorophenyl-phenylether	0.674	0.662	1.8	52	-0.02
62		4-Nitroaniline	0.344	0.349	-1.5	50	0.00
63		Azobenzene	1.378	1.279	7.2	47#	-0.01
64	I	Phenanthrene-d10	1.000	1.000	0.0	55	-0.01
65		4,6-Dinitro-2-methylphenol	0.126	0.130	-3.2	54	0.00
66	c	n-Nitrosodiphenylamine	0.597	0.567	5.0	49#	-0.01
67		4-Bromophenyl-phenylether	0.219	0.222	-1.4	53	-0.01
68		Hexachlorobenzene	0.260	0.274	-5.4	55	0.00
69		Atrazine	0.152	0.142	6.6	64	-0.01
70	C	Pentachlorophenol	0.181	0.186	-2.8	52	-0.01
71		Phenanthrene	1.091	1.031	5.5	50	-0.02
72		Anthracene	1.052	1.040	1.1	51	-0.01
73		Carbazole	1.027	1.033	-0.6	52	-0.01
74		Di-n-butylphthalate	1.280	1.322	-3.3	52	0.00
75	C	Fluoranthene	1.298	1.314	-1.2	54	-0.01
76	I	Chrysene-d12	1.000	1.000	0.0	64	-0.01
77		Benzidine	0.254	0.118	53.5#	17#	0.00
78		Pyrene	1.271	1.115	12.3	55	0.00
79	S	Terphenyl-d14	0.992	0.950	4.2	59	-0.01
80		Butylbenzylphthalate	0.544	0.540	0.7	58	0.00
81		Benzo(a)anthracene	1.243	1.199	3.5	59	-0.01
82		3,3'-Dichlorobenzidine	0.436	0.445	-2.1	59	0.00
83		Chrysene	1.191	1.141	4.2	60	0.00
84		Bis(2-ethylhexyl)phthalate	0.798	0.806	-1.0	58	-0.02
85	c	Di-n-octyl phthalate	1.297	1.416	-9.2	62	-0.03
86	I	Perylene-d12	1.000	1.000	0.0	71	-0.04
87		Indeno(1,2,3-cd)pyrene	1.388	1.371	1.2	68	-0.06
88		Benzo(b)fluoranthene	1.199	1.147	4.3	65	-0.04
89		Benzo(k)fluoranthene	1.158	1.079	6.8	63	-0.04
90	C	Benzo(a)pyrene	1.034	1.000	3.3	65	-0.03
91		Dibenzo(a,h)anthracene	1.152	1.138	1.2	67	-0.04
92		Benzo(g,h,i)perylene	1.173	1.145	2.4	67	-0.05

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050725\
Data File : BP024566.D
Acq On : 07 May 2025 16:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 07 17:03:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 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\BP050725\
Data File : BP024566.D
Acq On : 07 May 2025 16:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 07 17:03:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 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	56	-0.02
2		1,4-Dioxane	40.000	37.253	6.9	52	-0.01
3		Pyridine	40.000	34.200	14.5	46	-0.01
4		n-Nitrosodimethylamine	40.000	44.009	-10.0	61	-0.01
5	S	2-Fluorophenol	80.000	78.398	2.0	53	-0.02
6		Aniline	40.000	32.324	19.2	42	-0.02
7	S	Phenol-d6	80.000	72.320	9.6	48	-0.02
8		2-Chlorophenol	40.000	37.963	5.1	51	-0.02
9		Benzaldehyde	40.000	40.806	-2.0	56	-0.02
10	C	Phenol	40.000	35.563	11.1	47	-0.02
11		bis(2-Chloroethyl)ether	40.000	34.297	14.3	46	-0.02
12		1,3-Dichlorobenzene	40.000	37.752	5.6	52	-0.02
13	C	1,4-Dichlorobenzene	40.000	38.026	4.9	53	-0.02
14		1,2-Dichlorobenzene	40.000	37.592	6.0	52	-0.02
15		Benzyl Alcohol	40.000	37.881	5.3	49	-0.02
16		2,2'-oxybis(1-Chloropropane	40.000	34.414	14.0	46	-0.02
17		2-Methylphenol	40.000	37.265	6.8	49	-0.02
18		Hexachloroethane	40.000	38.938	2.7	54	-0.02
19	P	n-Nitroso-di-n-propylamine	40.000	34.351	14.1	46	-0.02
20		3+4-Methylphenols	40.000	36.485	8.8	48	-0.02
21	I	Naphthalene-d8	20.000	20.000	0.0	52	-0.02
22		Acetophenone	40.000	38.875	2.8	48	-0.02
23	S	Nitrobenzene-d5	80.000	78.928	1.3	49	-0.02
24		Nitrobenzene	40.000	38.600	3.5	48	-0.02
25		Isophorone	40.000	37.097	7.3	46	-0.02
26	C	2-Nitrophenol	40.000	42.630	-6.6	51	-0.02
27		2,4-Dimethylphenol	40.000	38.773	3.1	48	-0.02
28		bis(2-Chloroethoxy)methane	40.000	35.264	11.8	43	-0.02
29	C	2,4-Dichlorophenol	40.000	40.600	-1.5	50	0.00
30		1,2,4-Trichlorobenzene	40.000	40.208	-0.5	51	-0.02
31		Naphthalene	40.000	37.888	5.3	48	-0.02
32		Benzoic acid	40.000	36.527	8.7	49	0.00
33		4-Chloroaniline	40.000	36.882	7.8	45	-0.02
34	C	Hexachlorobutadiene	40.000	43.037	-7.6	54	-0.02
35		Caprolactam	40.000	40.090	-0.2	50	-0.02
36	C	4-Chloro-3-methylphenol	40.000	40.163	-0.4	49	-0.01
37		2-Methylnaphthalene	40.000	38.292	4.3	48	-0.02
38		1-Methylnaphthalene	40.000	37.807	5.5	48	-0.02
39	I	Acenaphthene-d10	20.000	20.000	0.0	53	-0.02
40		1,2,4,5-Tetrachlorobenzene	40.000	40.154	-0.4	51	-0.02
41	P	Hexachlorocyclopentadiene	40.000	39.726	0.7	47	-0.02
42	S	2,4,6-Tribromophenol	80.000	93.185	-16.5	59	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.538	-1.3	50	-0.02
44		2,4,5-Trichlorophenol	40.000	40.611	-1.5	51	-0.02
45	S	2-Fluorobiphenyl	80.000	77.114	3.6	49	-0.02
46		1,1'-Biphenyl	40.000	38.451	3.9	49	-0.02
47		2-Chloronaphthalene	40.000	38.318	4.2	49	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050725\
Data File : BP024566.D
Acq On : 07 May 2025 16:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 07 17:03:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 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	42.207	-5.5	52	-0.01
49		Acenaphthylene	40.000	38.360	4.1	48	-0.02
50		Dimethylphthalate	40.000	39.556	1.1	51	-0.02
51		2,6-Dinitrotoluene	40.000	41.151	-2.9	52	-0.01
52	C	Acenaphthene	40.000	37.965	5.1	49	-0.02
53		3-Nitroaniline	40.000	41.012	-2.5	50	-0.01
54	P	2,4-Dinitrophenol	40.000	41.885	-4.7	54	0.00
55		Dibenzofuran	40.000	38.268	4.3	50	-0.02
56	P	4-Nitrophenol	40.000	37.246	6.9	45	0.02
57		2,4-Dinitrotoluene	40.000	43.562	-8.9	54	-0.01
58		Fluorene	40.000	38.541	3.6	51	-0.02
59		2,3,4,6-Tetrachlorophenol	40.000	40.855	-2.1	52	-0.02
60		Diethylphthalate	40.000	39.959	0.1	51	-0.02
61		4-Chlorophenyl-phenylether	40.000	39.301	1.7	52	-0.02
62		4-Nitroaniline	40.000	40.576	-1.4	50	0.00
63		Azobenzene	40.000	37.130	7.2	47	-0.01
64	I	Phenanthrene-d10	20.000	20.000	0.0	55	-0.01
65		4,6-Dinitro-2-methylphenol	40.000	41.148	-2.9	54	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.025	4.9	49	-0.01
67		4-Bromophenyl-phenylether	40.000	40.518	-1.3	53	-0.01
68		Hexachlorobenzene	40.000	42.125	-5.3	55	0.00
69		Atrazine	40.000	37.273	6.8	64	-0.01
70	C	Pentachlorophenol	40.000	40.979	-2.4	52	-0.01
71		Phenanthrene	40.000	37.789	5.5	50	-0.02
72		Anthracene	40.000	39.545	1.1	51	-0.01
73		Carbazole	40.000	40.230	-0.6	52	-0.01
74		Di-n-butylphthalate	40.000	41.324	-3.3	52	0.00
75	C	Fluoranthene	40.000	40.497	-1.2	54	-0.01
76	I	Chrysene-d12	20.000	20.000	0.0	64	-0.01
77		Benzidine	40.000	18.597	53.5#	17	0.00
78		Pyrene	40.000	35.082	12.3	55	0.00
79	S	Terphenyl-d14	80.000	76.605	4.2	59	-0.01
80		Butylbenzylphthalate	40.000	39.709	0.7	58	0.00
81		Benzo(a)anthracene	40.000	38.587	3.5	59	-0.01
82		3,3'-Dichlorobenzidine	40.000	40.811	-2.0	59	0.00
83		Chrysene	40.000	38.329	4.2	60	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	40.383	-1.0	58	-0.02
85	c	Di-n-octyl phthalate	40.000	43.660	-9.1	62	-0.03
86	I	Perylene-d12	20.000	20.000	0.0	71	-0.04
87		Indeno(1,2,3-cd)pyrene	40.000	39.490	1.3	68	-0.06
88		Benzo(b)fluoranthene	40.000	38.267	4.3	65	-0.04
89		Benzo(k)fluoranthene	40.000	37.277	6.8	63	-0.04
90	C	Benzo(a)pyrene	40.000	38.673	3.3	65	-0.03
91		Dibenzo(a,h)anthracene	40.000	39.511	1.2	67	-0.04
92		Benzo(g,h,i)perylene	40.000	39.052	2.4	67	-0.05

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050725\
Data File : BP024566.D
Acq On : 07 May 2025 16:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 07 17:03:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 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

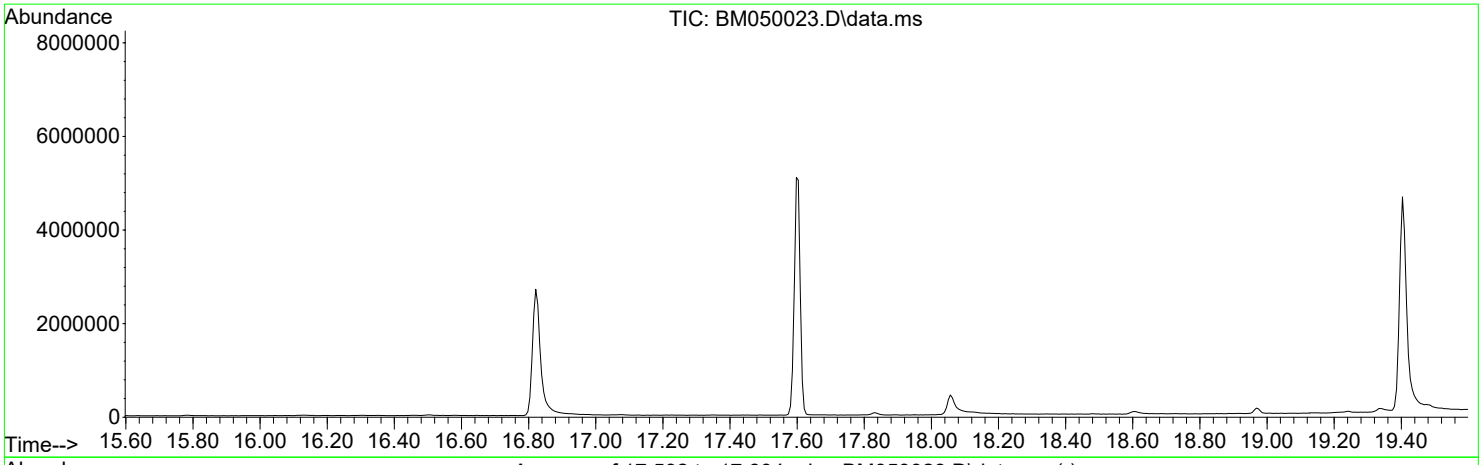
QC SAMPLE DATA

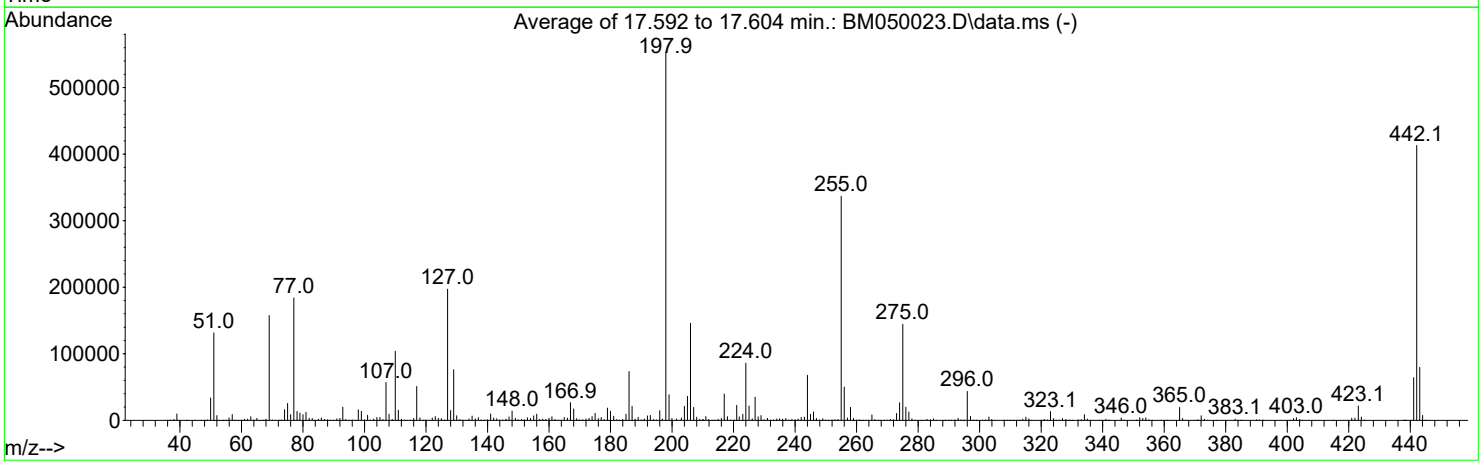
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050023.D
Acq On : 28 Apr 2025 11:46
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Apr 28 18:09:16 2025





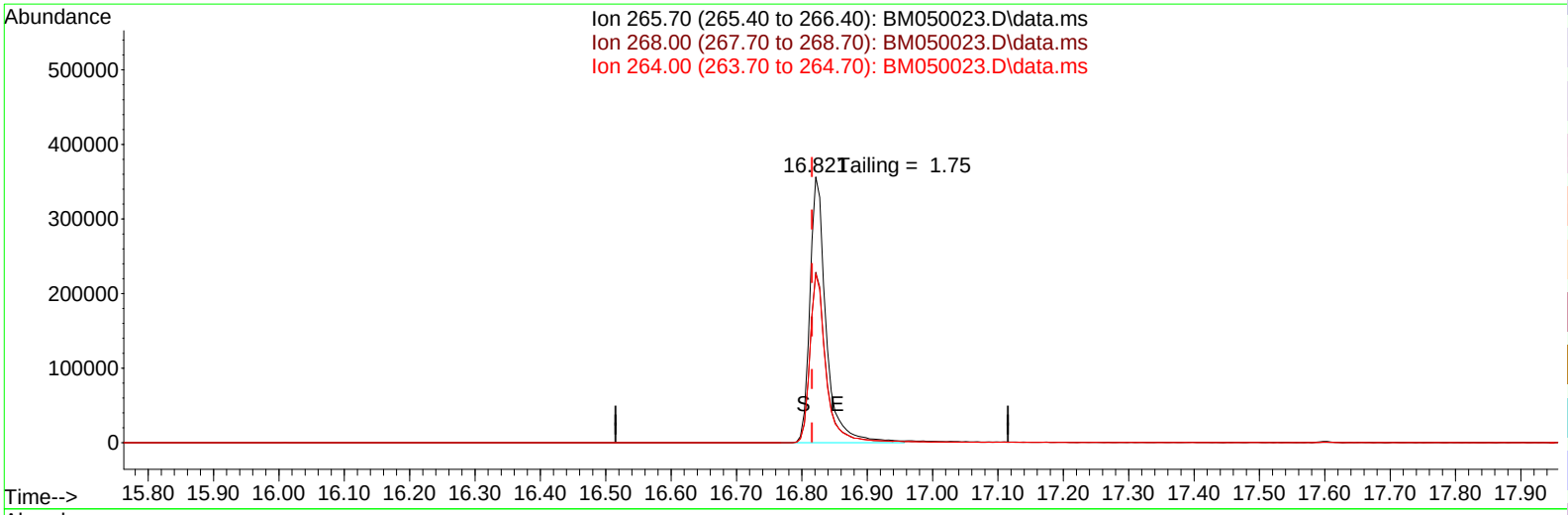
AutoFind: Scans 2483, 2484, 2485; Background Corrected with Scan 2476

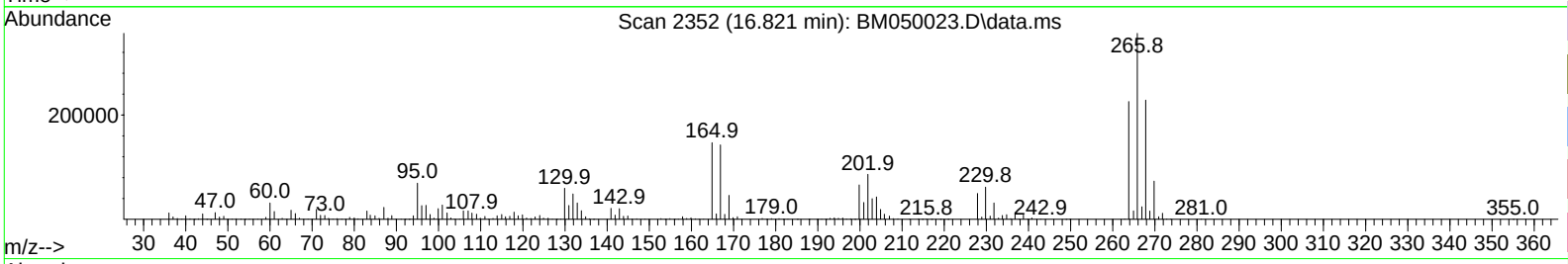
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	23.8	131521	PASS
68	69	0.00	2	1.3	2026	PASS
69	198	0.00	100	28.5	157569	PASS
70	69	0.00	2	0.4	660	PASS
127	198	10	80	35.7	197099	PASS
197	198	0.00	2	0.4	2228	PASS
198	198	100	100	100.0	552704	PASS
199	198	5	9	7.0	38461	PASS
275	198	10	60	26.2	144571	PASS
365	198	1	100	3.5	19537	PASS
441	198	0.01	100	11.6	64259	PASS
442	442	50	100	100.0	413099	PASS
443	442	15	24	19.3	79557	PASS

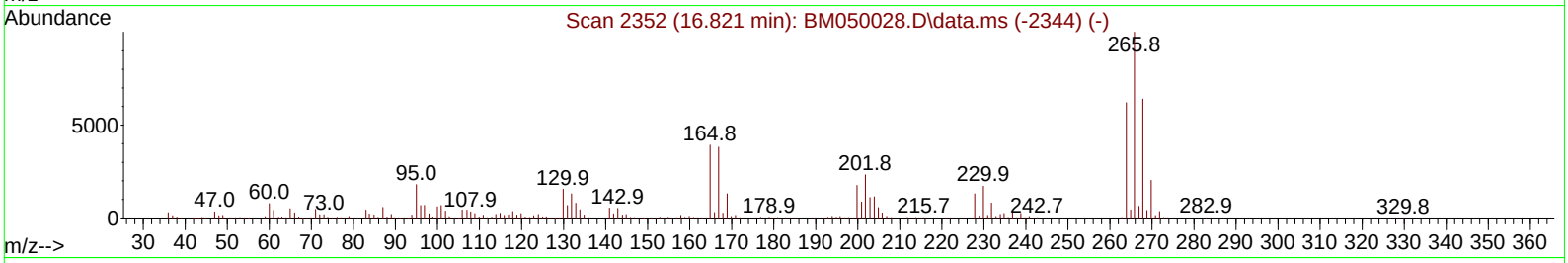
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050023.D
Acq On : 28 Apr 2025 11:46
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Apr 28 15:37:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration







TIC: BM050023.D\data.ms

(70) Pentachlorophenol (C)

16.821min (+ 0.006) 652247.26 ng

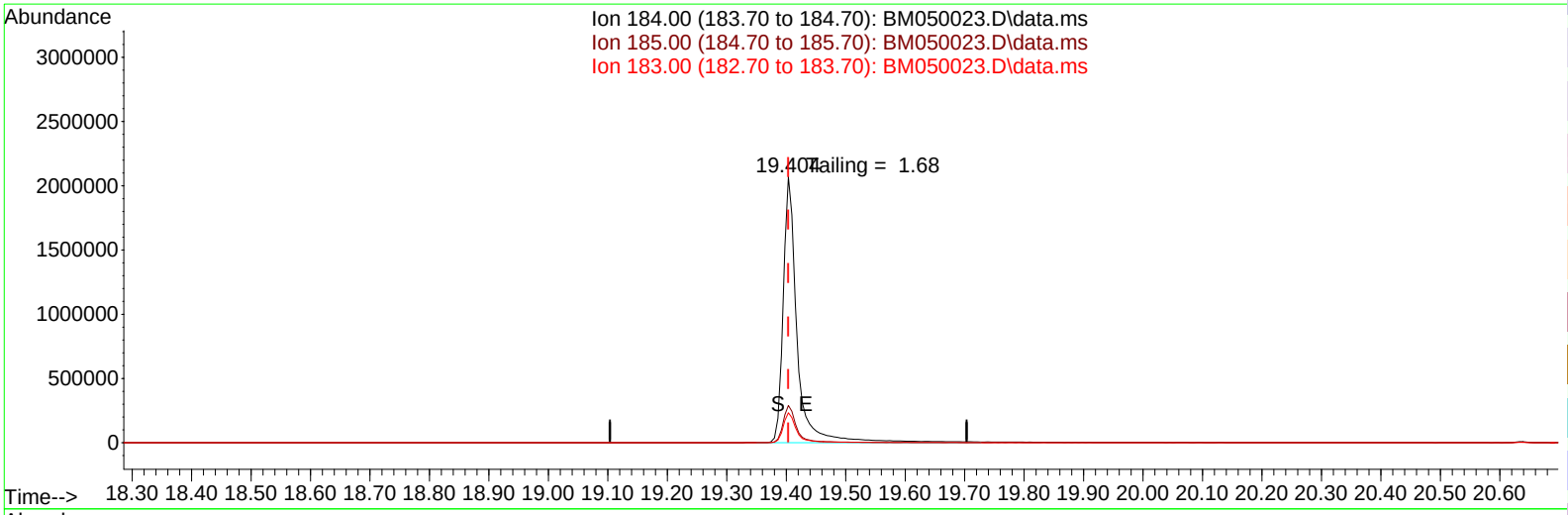
response 613835

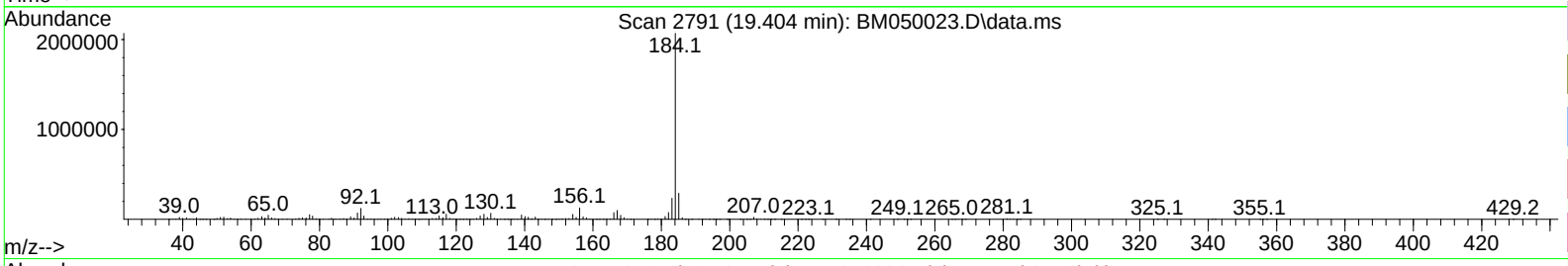
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.30	64.13
264.00	62.30	63.38
0.00	0.00	0.00

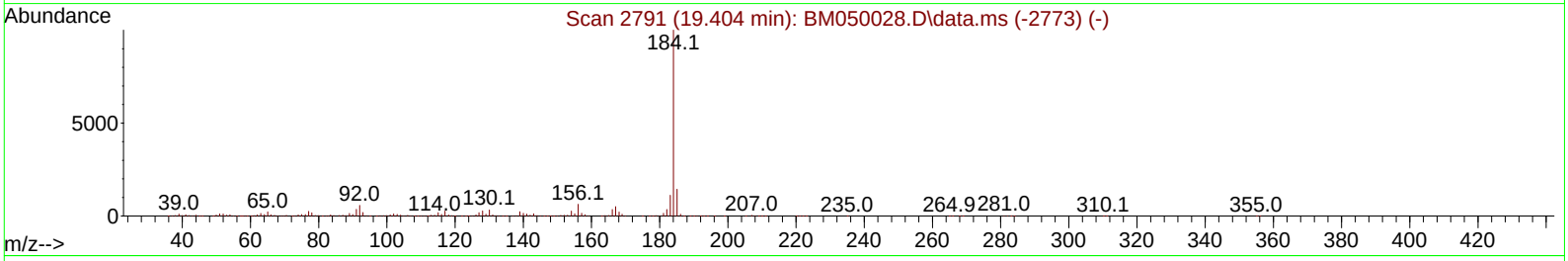
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050023.D
Acq On : 28 Apr 2025 11:46
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Apr 28 15:37:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration







TIC: BM050023.D\data.ms

(77) Benzidine

19.404min (+ 0.000) 1761877.84 ng

response 3412576

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.30	14.06
183.00	11.00	11.29
0.00	0.00	0.00

Instrument :
BNA_M
ClientSampleId :
DFTPP

DDT Breakdown

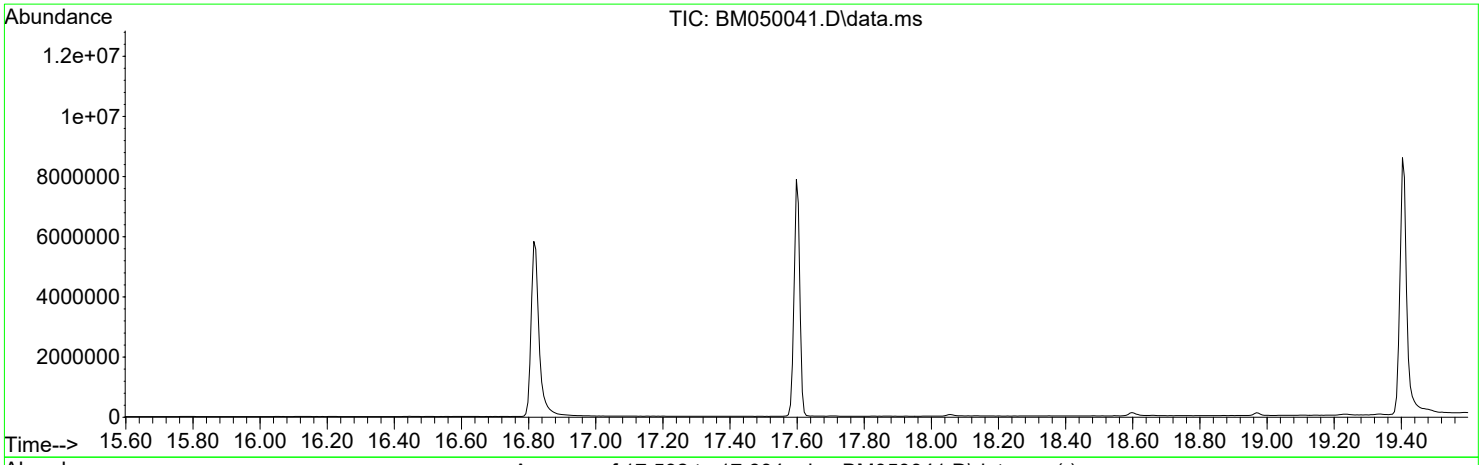
Date	Instrument Name	DFTPP Data File
4/28/2025	BNA_M	BM050023.D
Compound Name	**Response**	**Retention Time**
DDT	1978095	20.639
DDD	17600	20.251
DDE	1351	19.692
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
18951	1997046	0.95

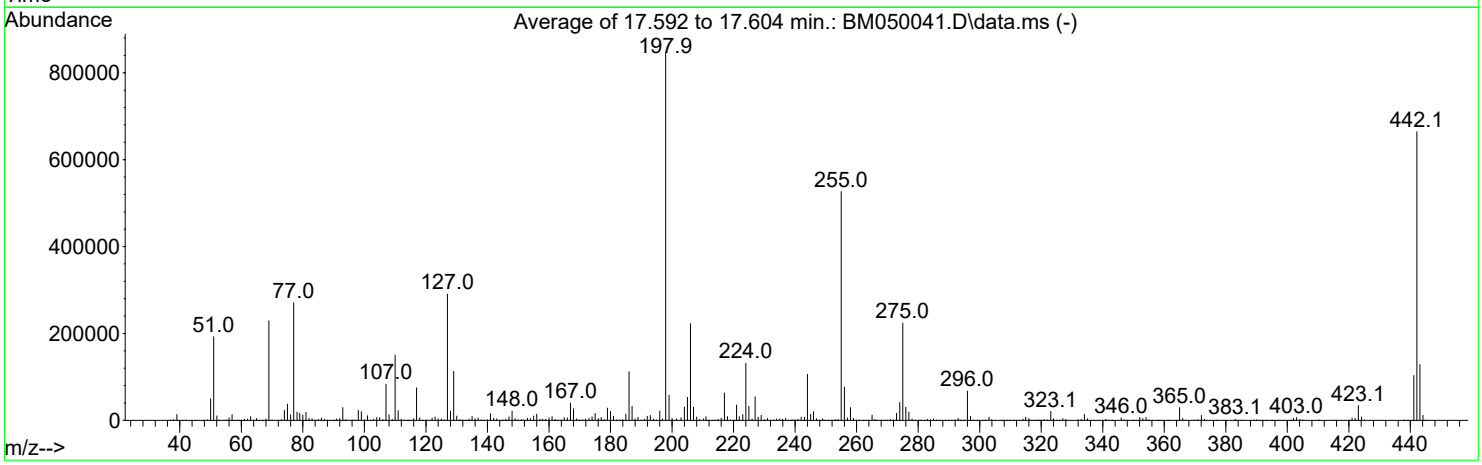
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050041.D
Acq On : 30 Apr 2025 10:14
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Apr 28 18:09:16 2025





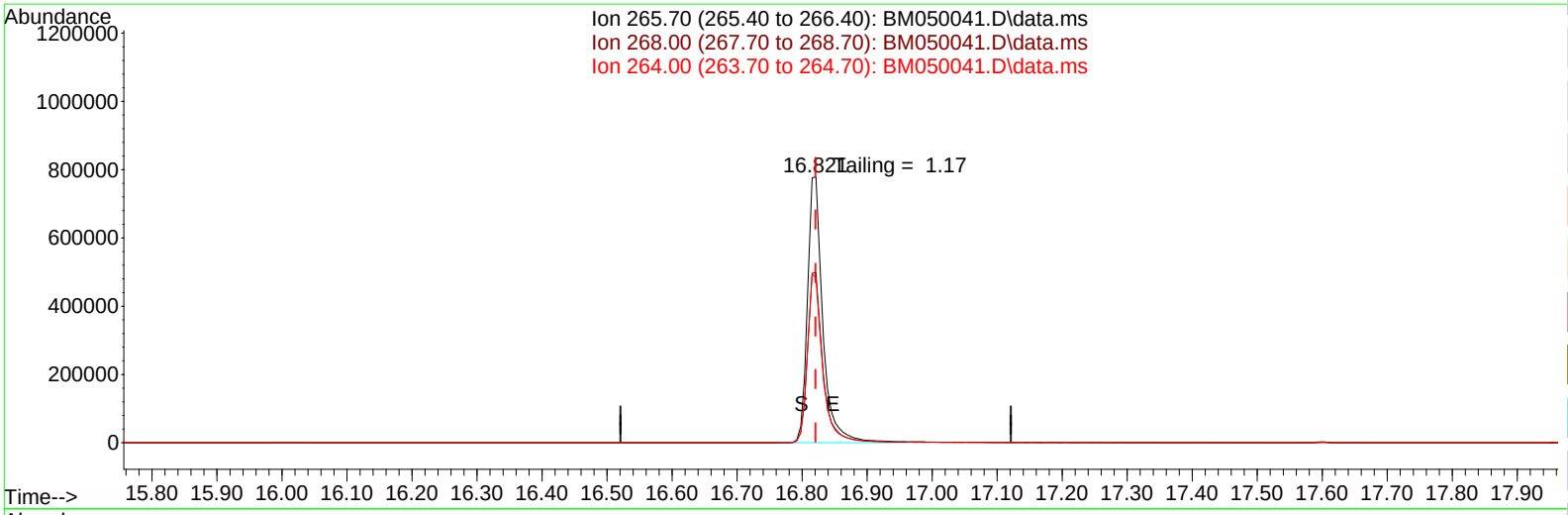
AutoFind: Scans 2483, 2484, 2485; Background Corrected with Scan 2476

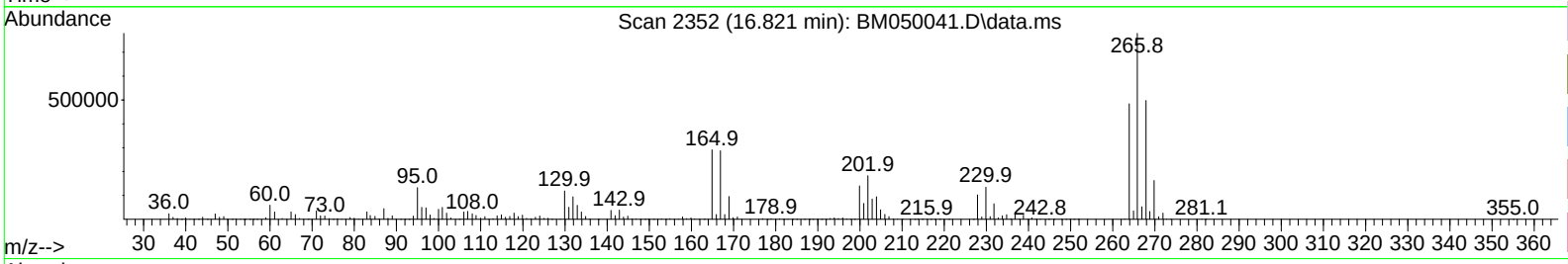
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	22.7	192613	PASS
68	69	0.00	2	1.5	3336	PASS
69	198	0.00	100	27.1	229021	PASS
70	69	0.00	2	0.5	1166	PASS
127	198	10	80	34.3	290581	PASS
197	198	0.00	2	0.4	3307	PASS
198	198	100	100	100.0	846656	PASS
199	198	5	9	6.8	57872	PASS
275	198	10	60	26.5	224064	PASS
365	198	1	100	3.5	29493	PASS
441	198	0.01	100	12.2	102997	PASS
442	442	50	100	100.0	664192	PASS
443	442	15	24	19.4	128672	PASS

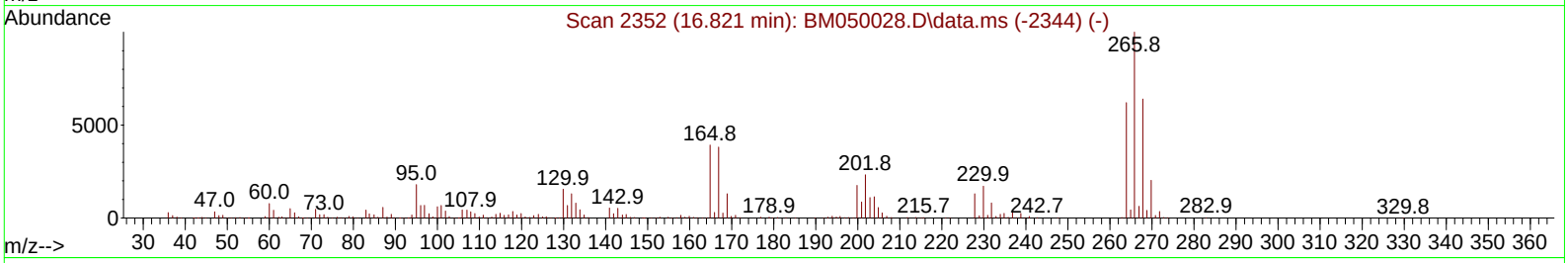
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050041.D
Acq On : 30 Apr 2025 10:14
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Apr 30 11:54:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration







TIC: BM050041.D\data.ms

(70) Pentachlorophenol (C)

16.821min (+ 0.000) 47790.89 ng

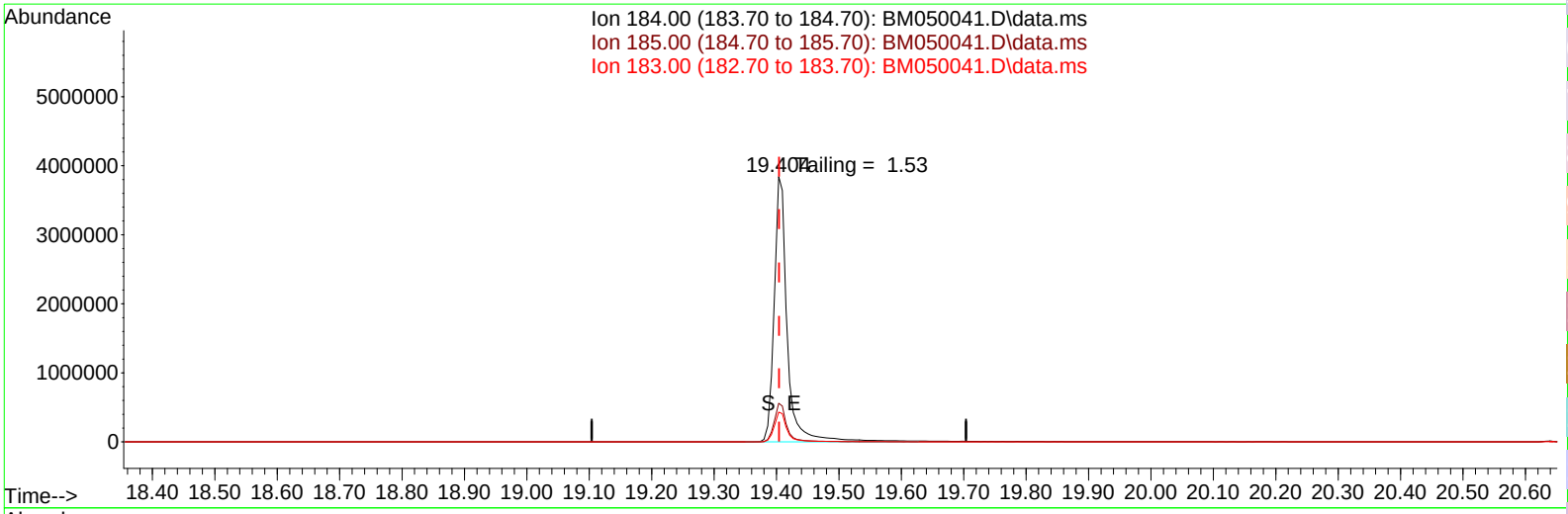
response 1282068

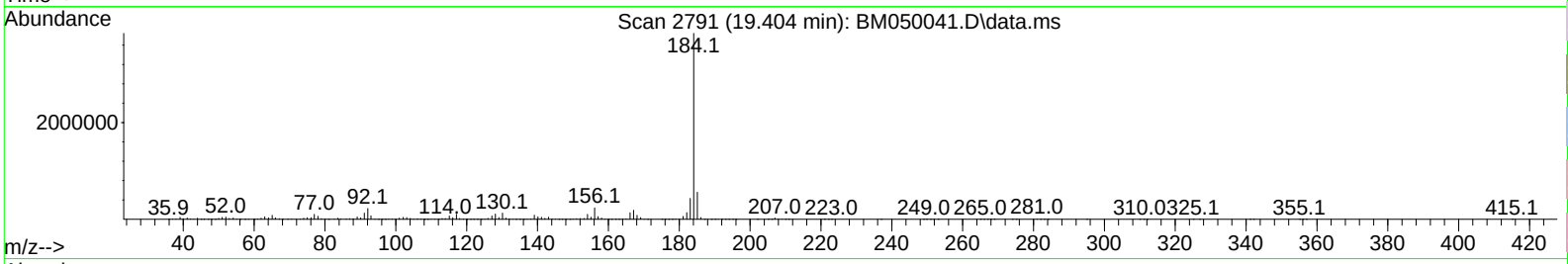
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.00	63.93
264.00	62.00	62.12
0.00	0.00	0.00

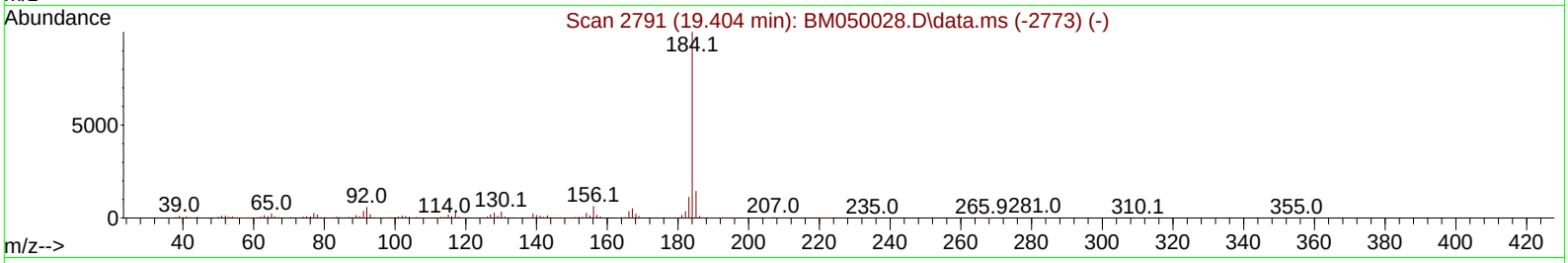
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050041.D
Acq On : 30 Apr 2025 10:14
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Apr 30 11:54:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration







TIC: BM050041.D\data.ms

(77) Benzidine

19.404min (-0.000) 7947.43 ng

response 5627615

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.56
183.00	11.10	11.24
0.00	0.00	0.00

Instrument :
BNA_M
ClientSampleId :
DFTPP

DDT Breakdown

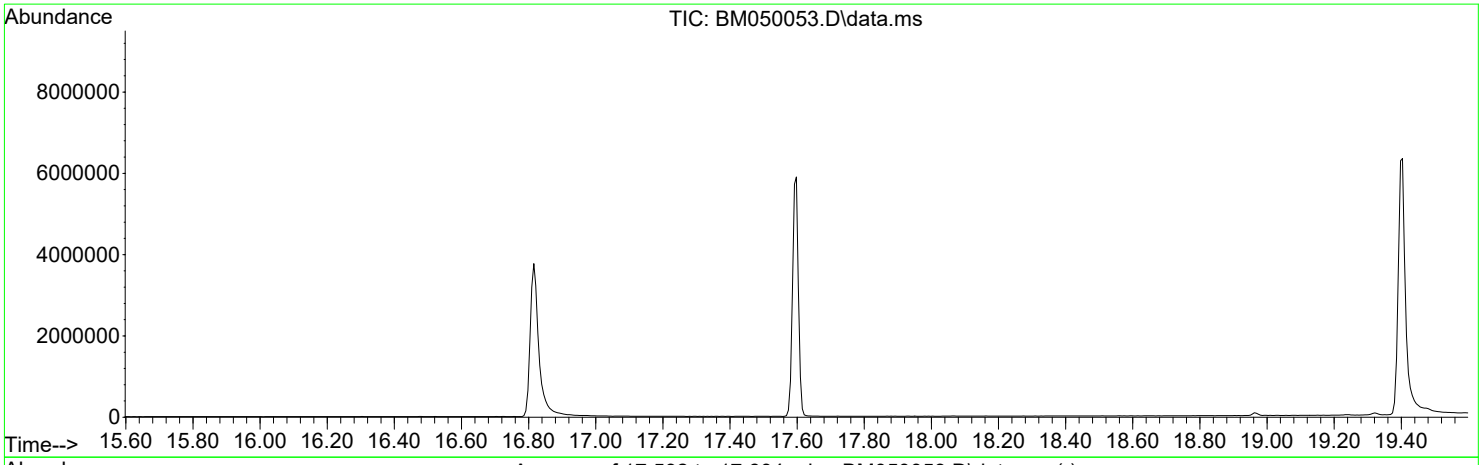
Date	Instrument Name	DFTPP Data File
4/30/2025	BNA_M	BM050041.D
Compound Name	**Response**	**Retention Time**
DDT	2852498	20.639
DDD	23676	20.251
DDE	1927	19.692
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
25603	2878101	0.89

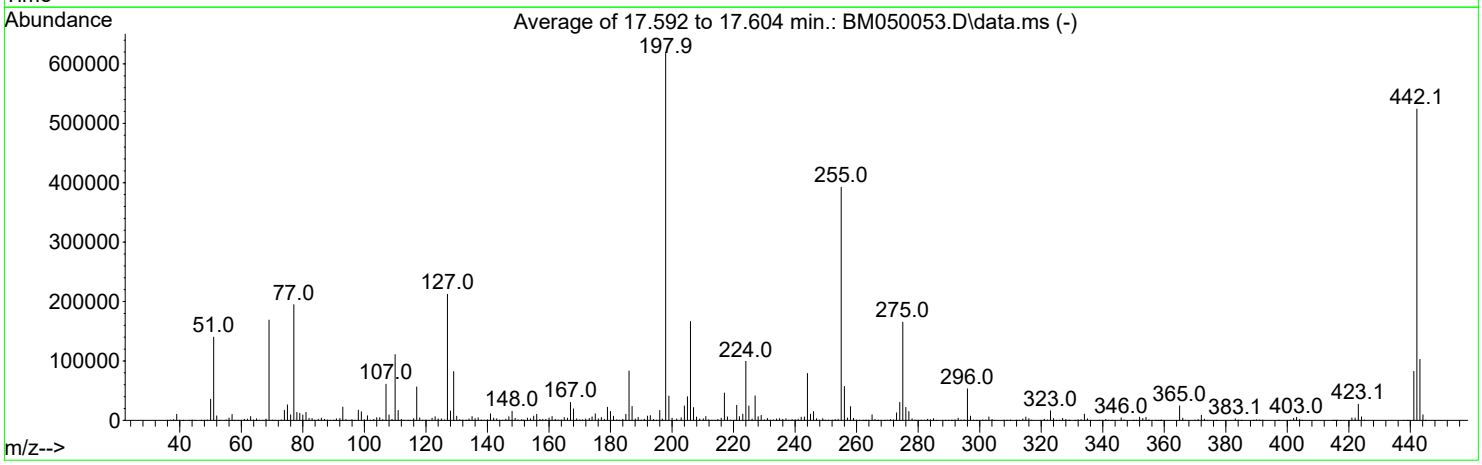
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050053.D
Acq On : 30 Apr 2025 20:38
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Apr 28 18:09:16 2025





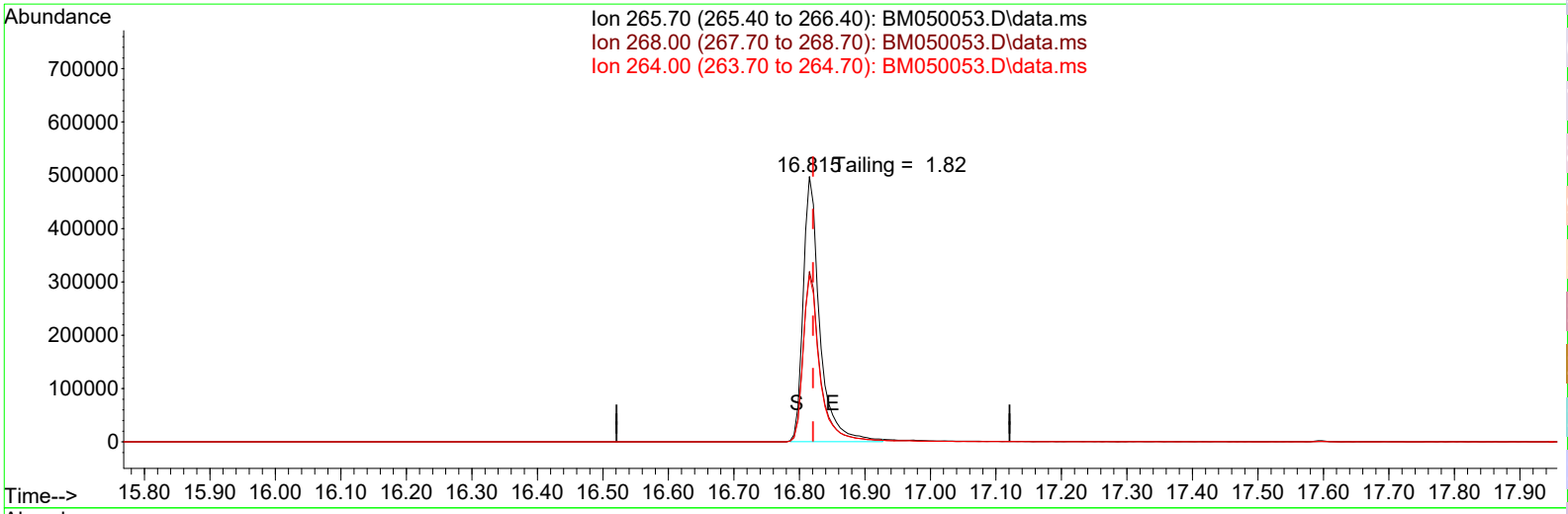
AutoFind: Scans 2483, 2484, 2485; Background Corrected with Scan 2475

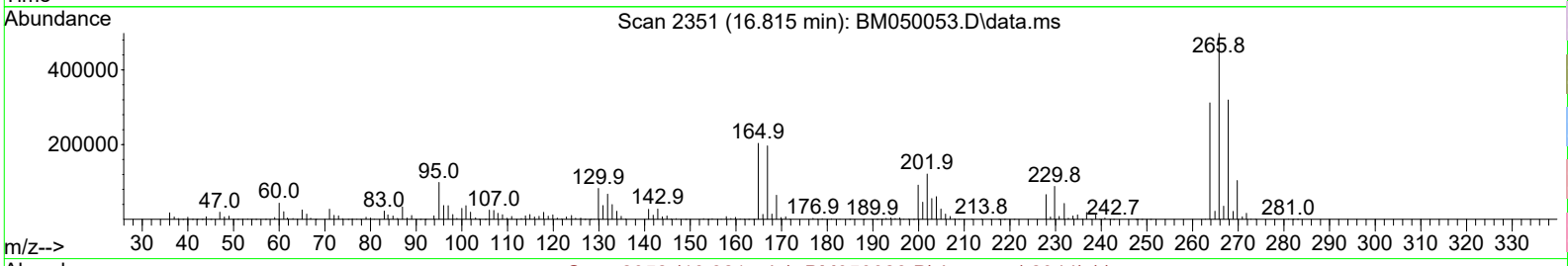
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	22.6	140036	PASS
68	69	0.00	2	1.5	2536	PASS
69	198	0.00	100	27.3	169029	PASS
70	69	0.00	2	0.5	902	PASS
127	198	10	80	34.3	212203	PASS
197	198	0.00	2	0.4	2425	PASS
198	198	100	100	100.0	619264	PASS
199	198	5	9	6.6	40851	PASS
275	198	10	60	26.7	165312	PASS
365	198	1	100	4.0	24624	PASS
441	198	0.01	100	13.3	82312	PASS
442	442	50	100	100.0	524203	PASS
443	442	15	24	19.6	102515	PASS

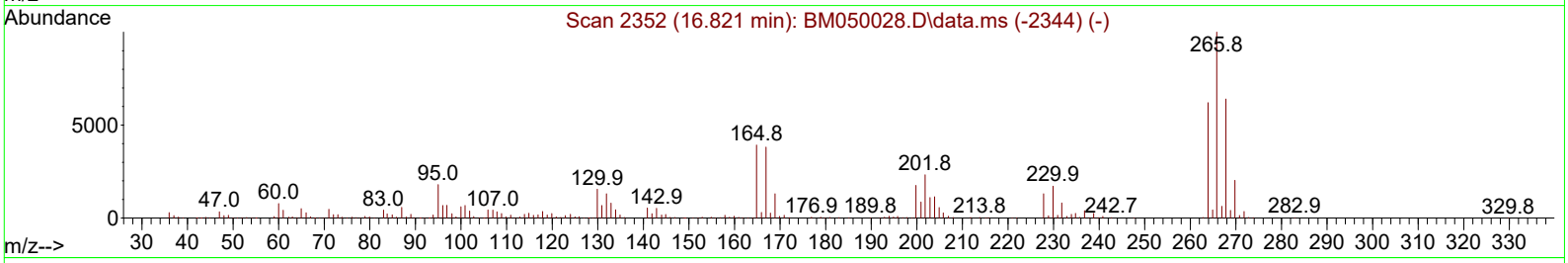
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050053.D
Acq On : 30 Apr 2025 20:38
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: May 01 01:52:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration







TIC: BM050053.D\data.ms

(70) Pentachlorophenol (C)

16.815min (-0.006) 998032.02 ng

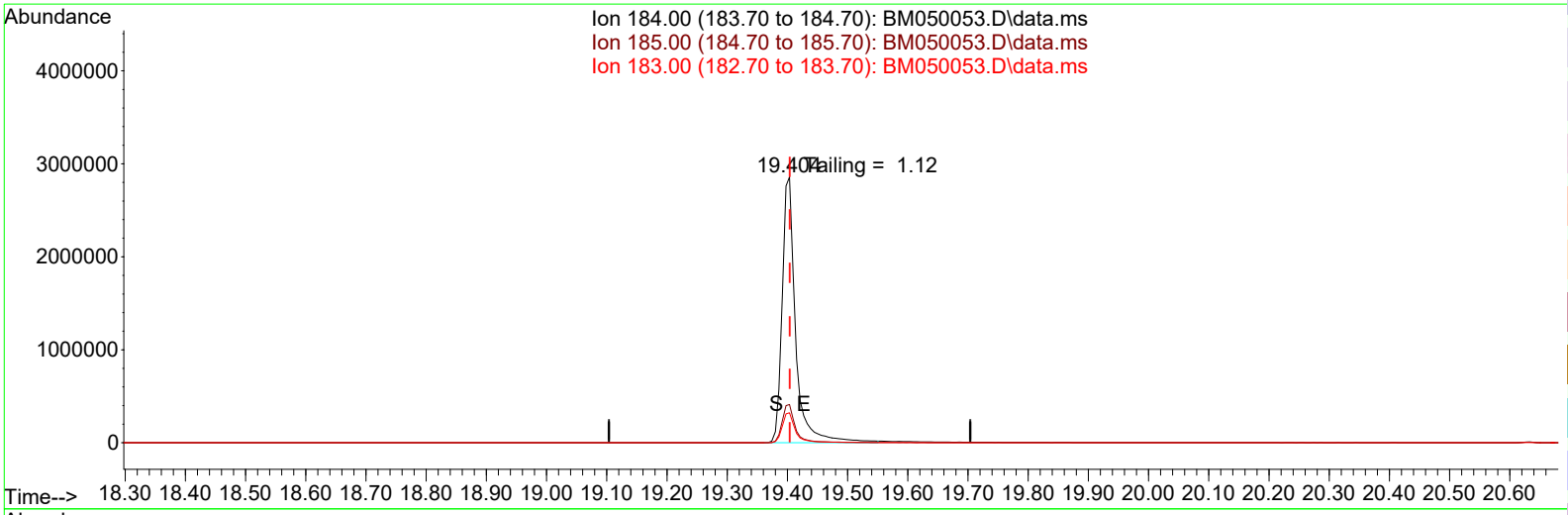
response 884891

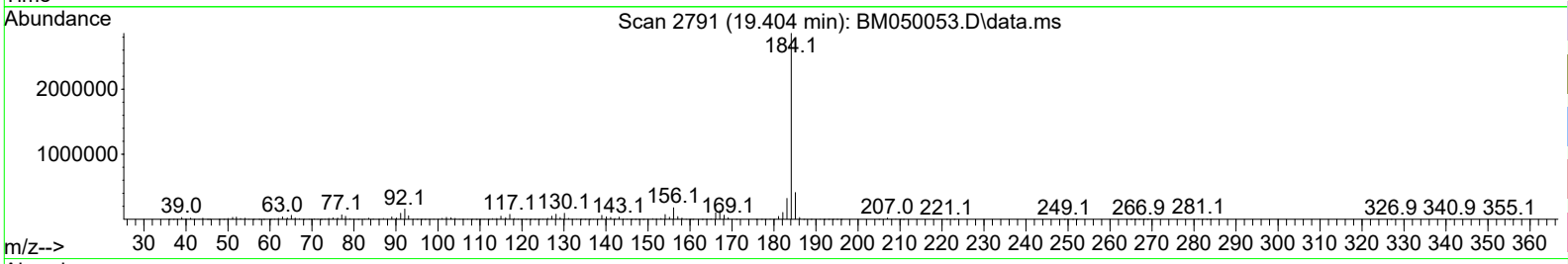
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.00	64.19
264.00	62.00	62.68
0.00	0.00	0.00

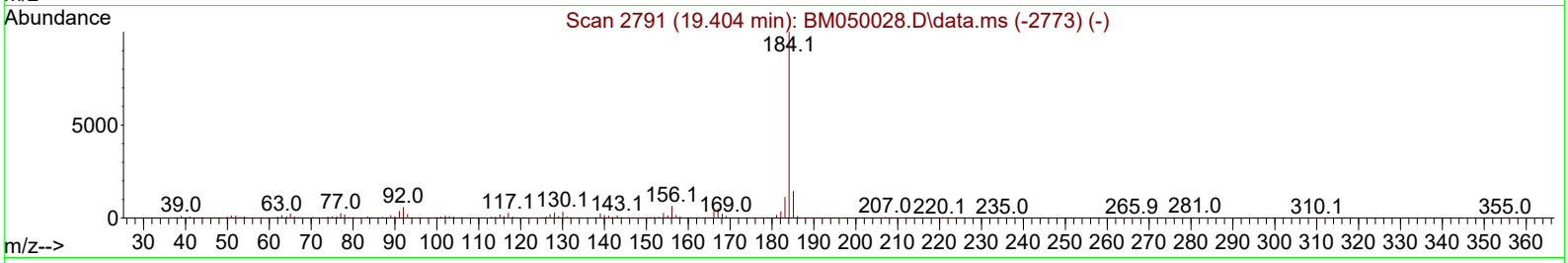
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050053.D
Acq On : 30 Apr 2025 20:38
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: May 01 01:52:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration







TIC: BM050053.D\data.ms

(77) Benzidine

19.404min (-0.000) 132996.89 ng m

response 4440691

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.39
183.00	11.10	11.28
0.00	0.00	0.00

Instrument :
BNA_M
ClientSampleId :
DFTPP

DDT Breakdown

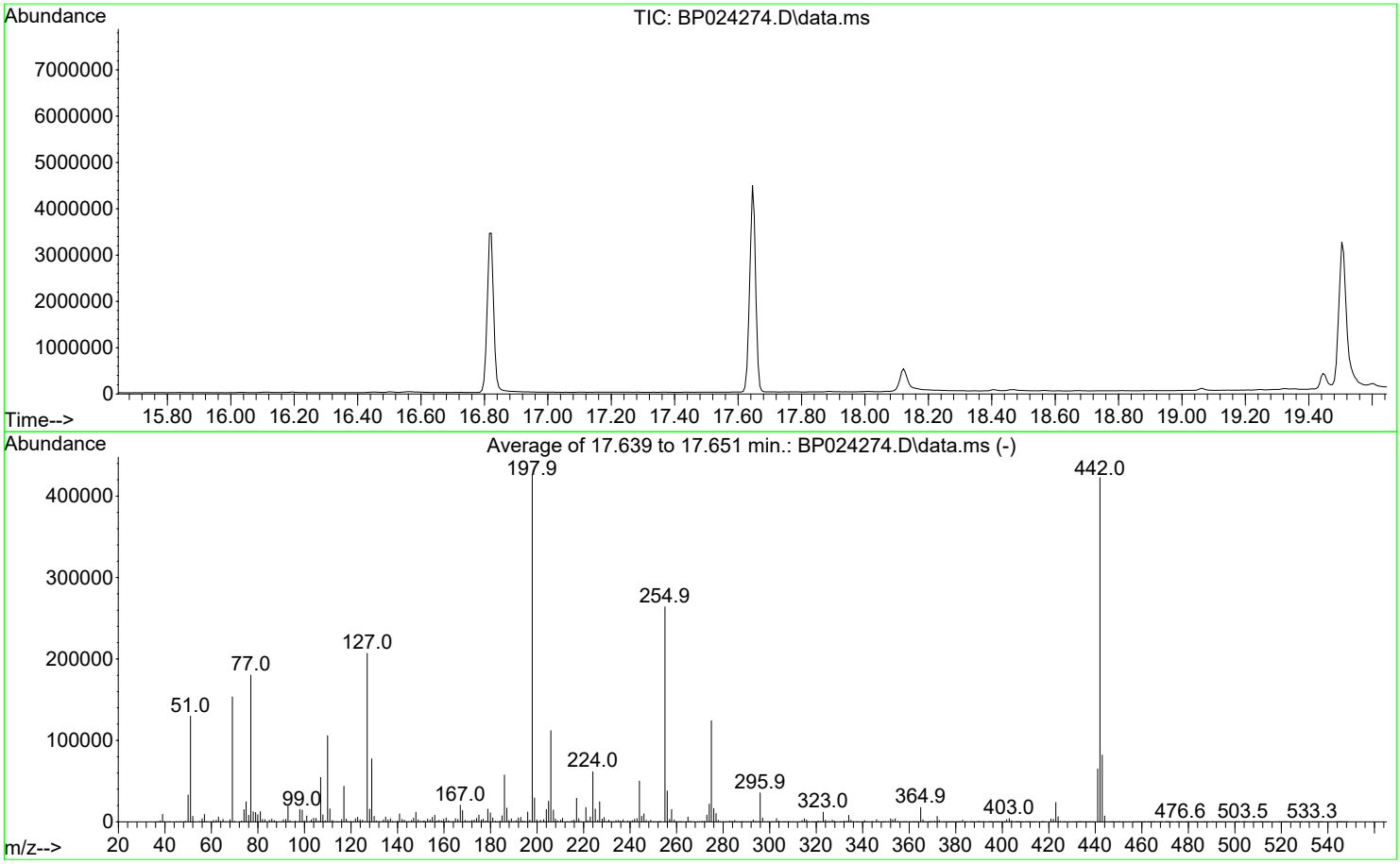
Date	Instrument Name	DFTPP Data File
4/30/2025	BNA_M	BM050053.D
Compound Name	**Response**	**Retention Time**
DDT	2117616	20.633
DDD	64903	20.198
DDE	1456	19.686
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
66359	2183975	3.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024274.D
Acq On : 14 Apr 2025 10:25
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-BP041425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Apr 15 04:48:42 2025



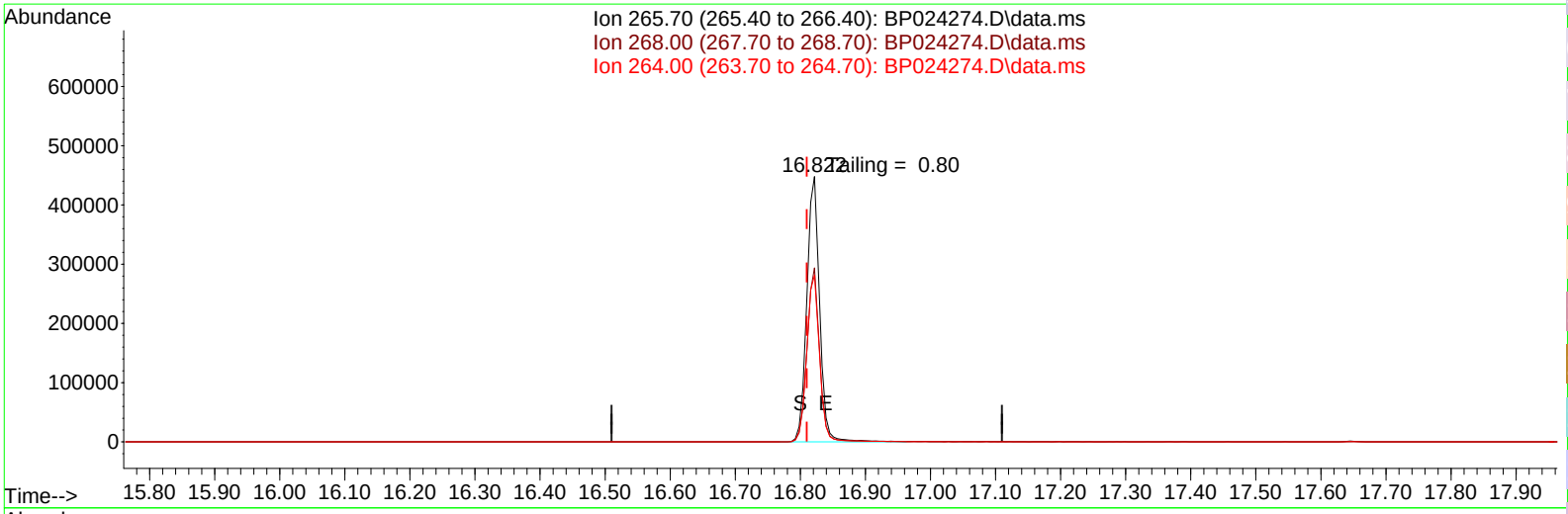
AutoFind: Scans 2474, 2475, 2476; Background Corrected with Scan 2463

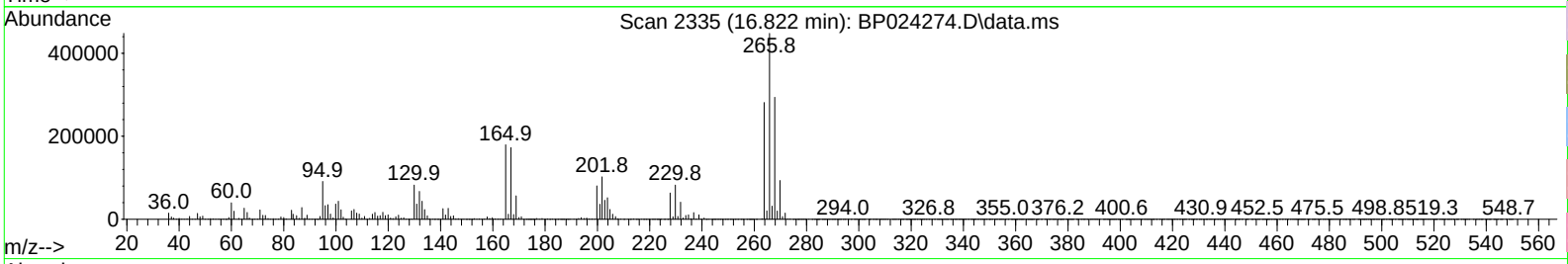
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	30.4	129796	PASS
68	69	0.00	2	1.8	2815	PASS
69	198	0.00	100	36.0	153442	PASS
70	69	0.00	2	0.5	836	PASS
127	198	10	80	48.5	206858	PASS
197	198	0.00	2	0.5	2122	PASS
198	198	100	100	100.0	426527	PASS
199	198	5	9	6.9	29549	PASS
275	198	10	60	29.1	124199	PASS
365	198	1	100	4.1	17663	PASS
441	198	0.01	100	15.2	64862	PASS
442	442	100	100	100.0	422528	PASS
443	442	15	24	19.4	82090	PASS

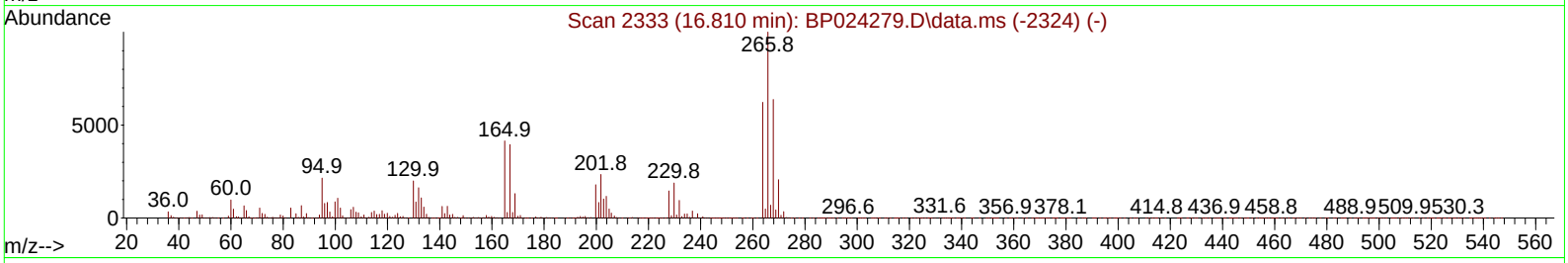
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024274.D
Acq On : 14 Apr 2025 10:25
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Apr 14 15:07:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 15:04:09 2025
Response via : Initial Calibration







TIC: BP024274.D\data.ms

(70) Pentachlorophenol (C)

16.822min (+ 0.012) 3117222.42 ng

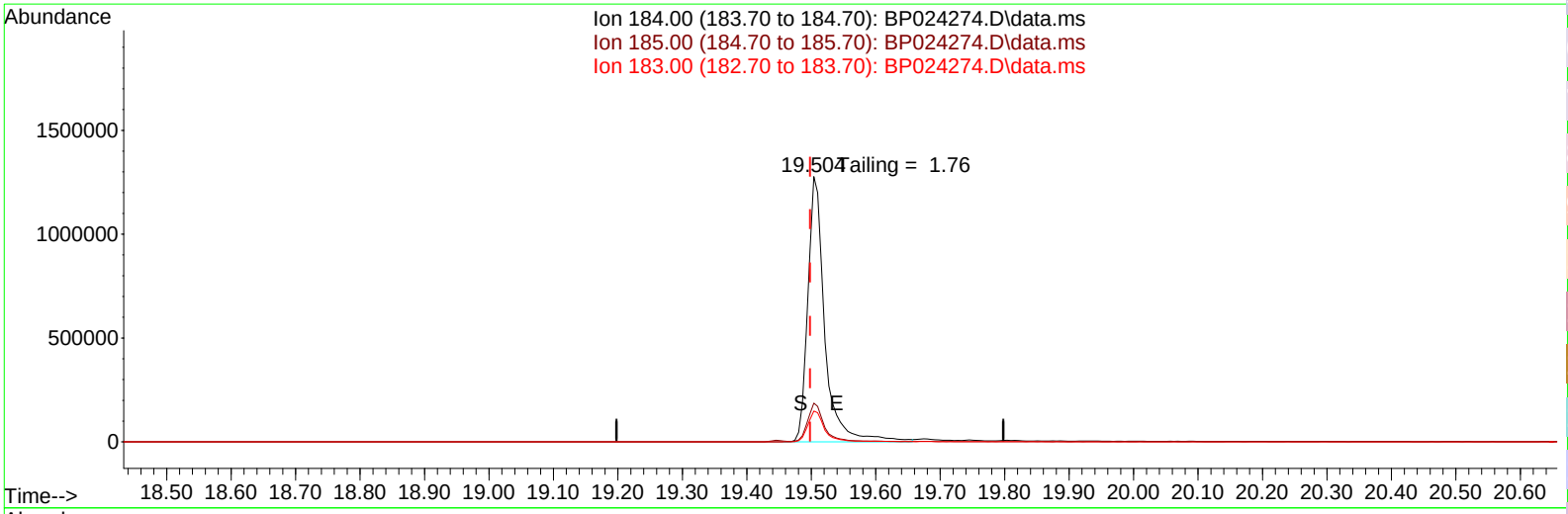
response 611847

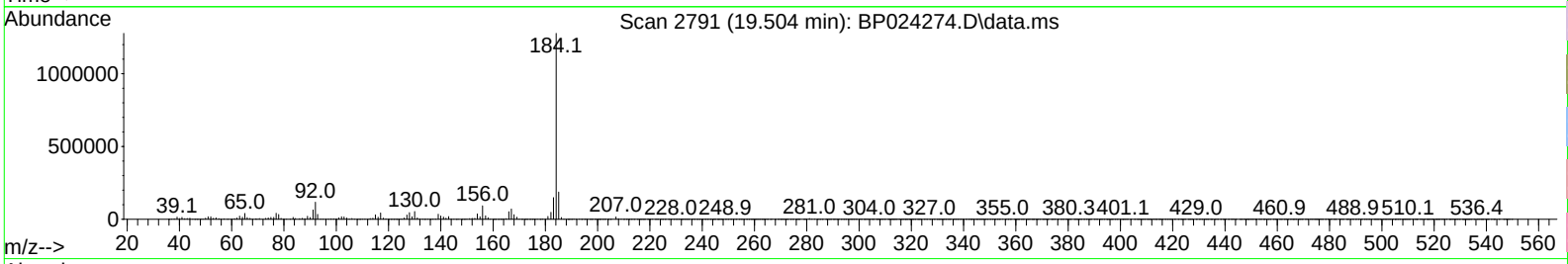
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.80	65.61
264.00	62.20	62.81
0.00	0.00	0.00

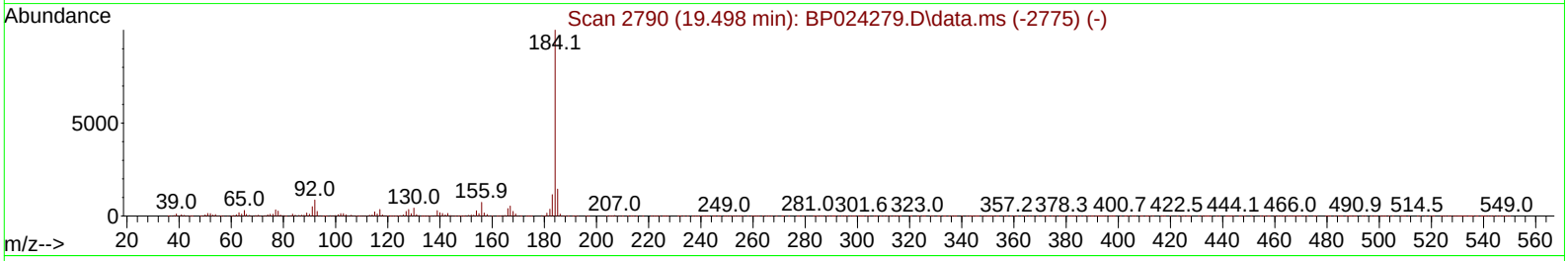
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024274.D
Acq On : 14 Apr 2025 10:25
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Apr 14 15:07:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 15:04:09 2025
Response via : Initial Calibration







TIC: BP024274.D\data.ms

(77) Benzidine

19.504min (+ 0.006) 7415471.13 ng

response 2354373

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.50	14.60
183.00	11.50	11.64
0.00	0.00	0.00

Instrument :
BNA_P
ClientSampleId :
DFTPP

DDT Breakdown

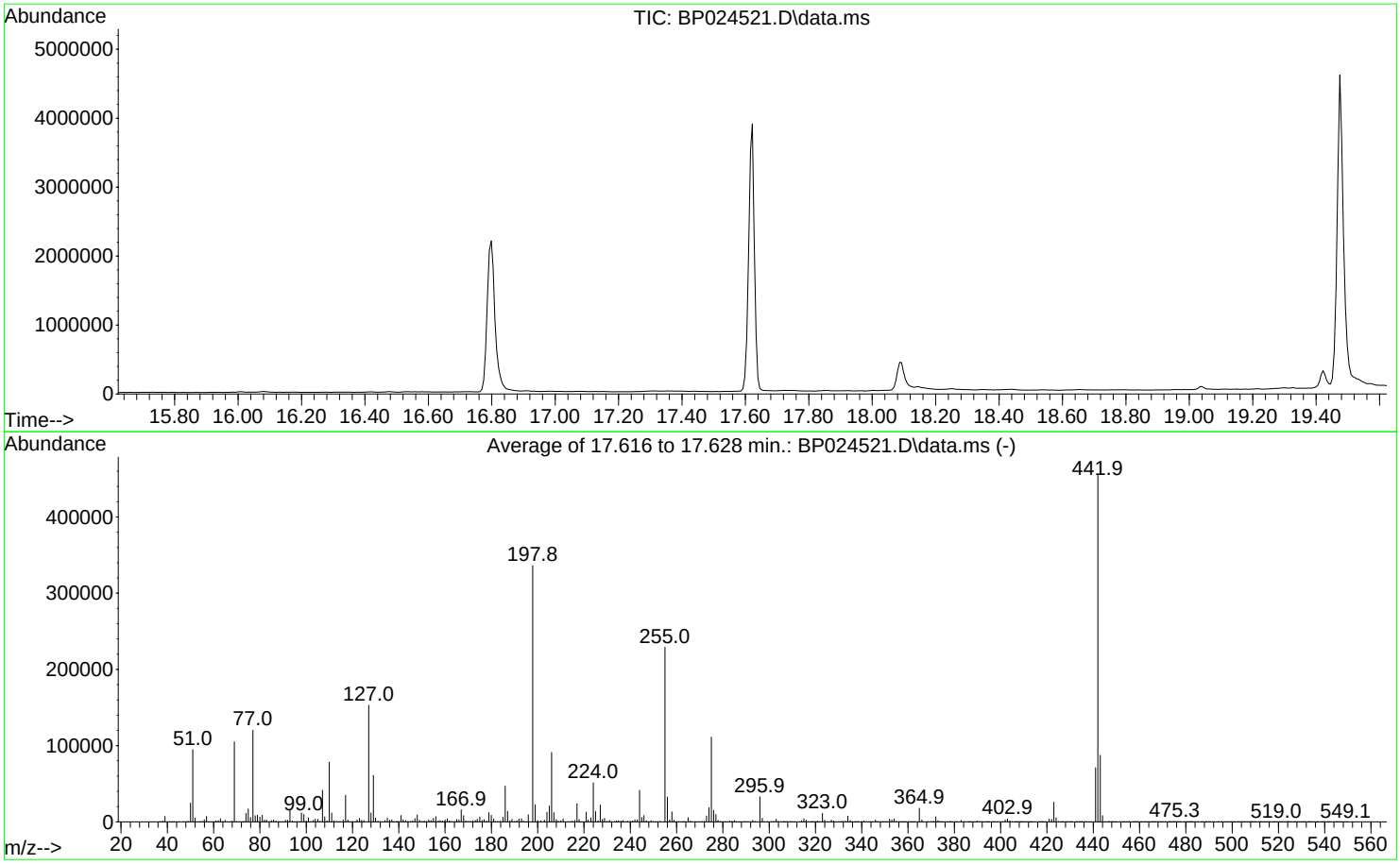
Date	Instrument Name	DFTPP Data File
4/14/2025	BNA_P	BP024274.D
Compound Name	**Response**	**Retention Time**
DDT	1715151	20.798
DDD	26002	20.386
DDE	1572	19.81
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
27574	1742725	1.58

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050525\
Data File : BP024521.D
Acq On : 05 May 2025 11:57
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-BP041425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Apr 18 12:04:48 2025



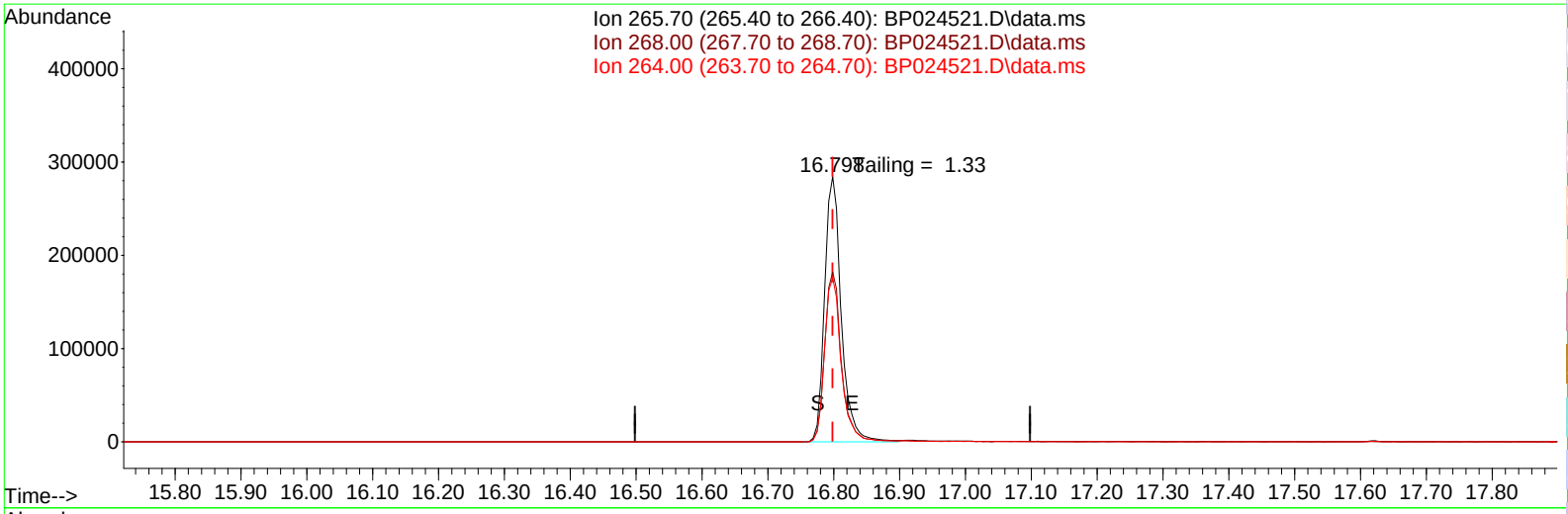
AutoFind: Scans 2470, 2471, 2472; Background Corrected with Scan 2457

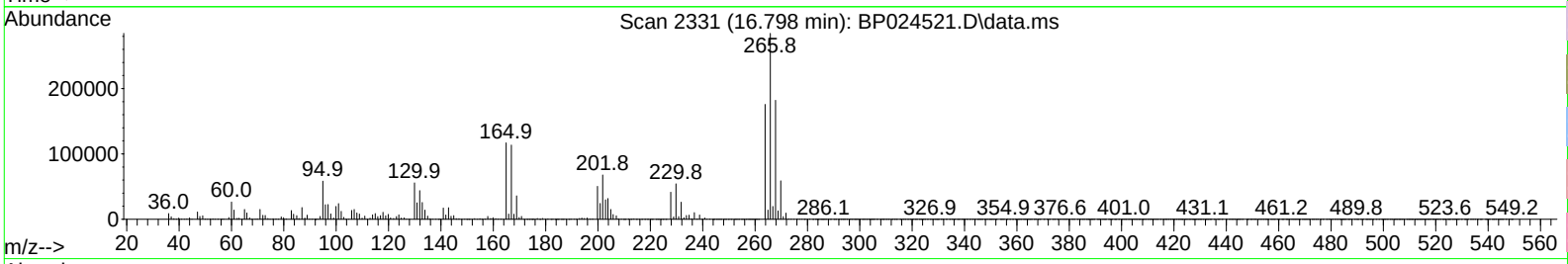
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	28.2	94677	PASS
68	69	0.00	2	1.1	1105	PASS
69	198	0.00	100	31.3	105085	PASS
70	69	0.00	2	0.6	601	PASS
127	198	10	80	45.5	153112	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	336159	PASS
199	198	5	9	6.7	22574	PASS
275	198	10	60	33.1	111207	PASS
365	198	1	100	5.3	17800	PASS
441	198	0.01	100	21.1	71014	PASS
442	442	100	100	100.0	455698	PASS
443	442	15	24	19.2	87372	PASS

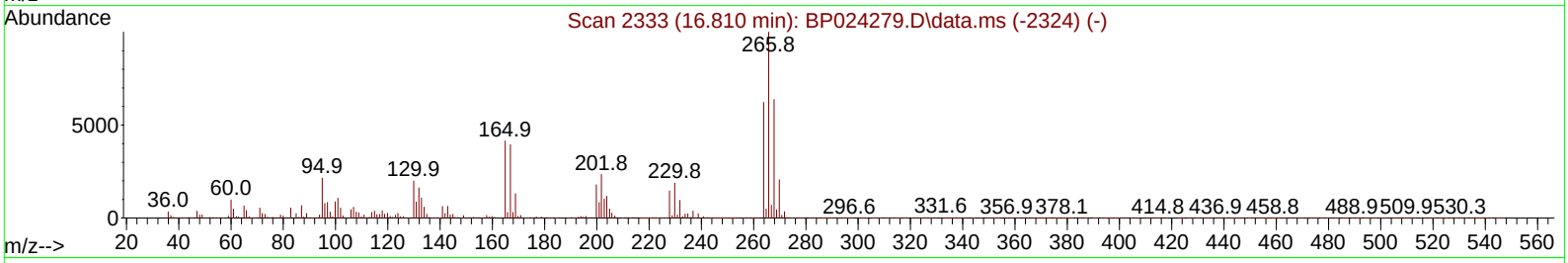
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050525\
Data File : BP024521.D
Acq On : 05 May 2025 11:57
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: May 05 13:04:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration







TIC: BP024521.D\data.ms

(70) Pentachlorophenol (C)

16.798min (+ 0.000) 40429.31 ng

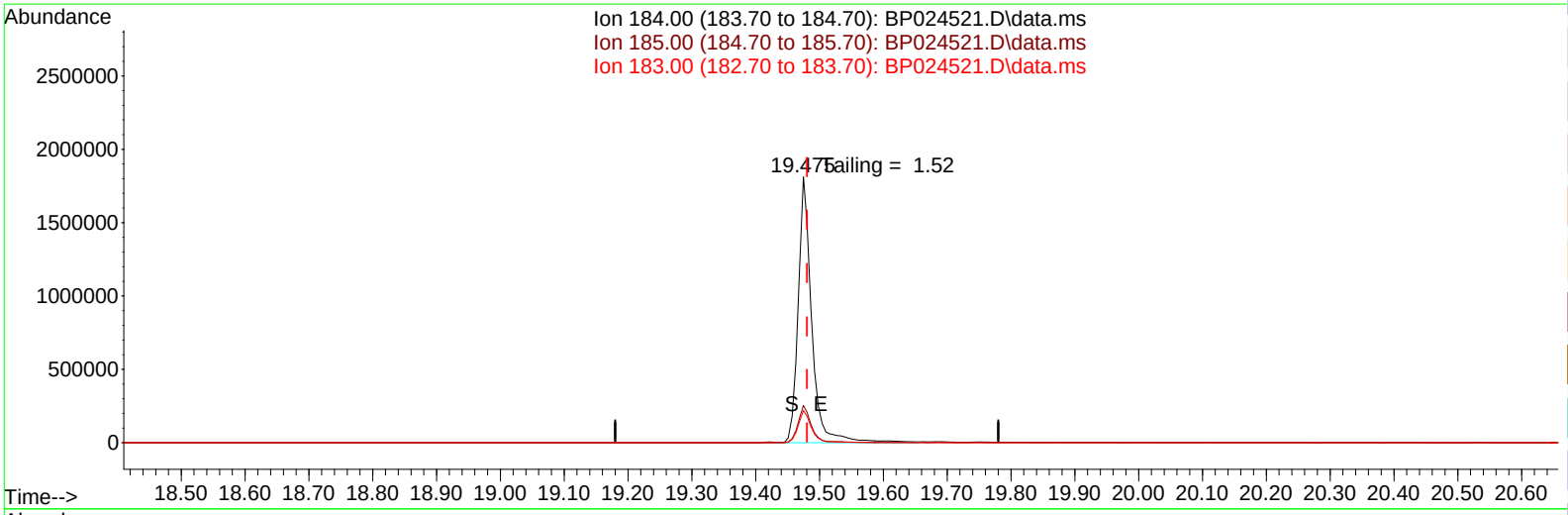
response 499235

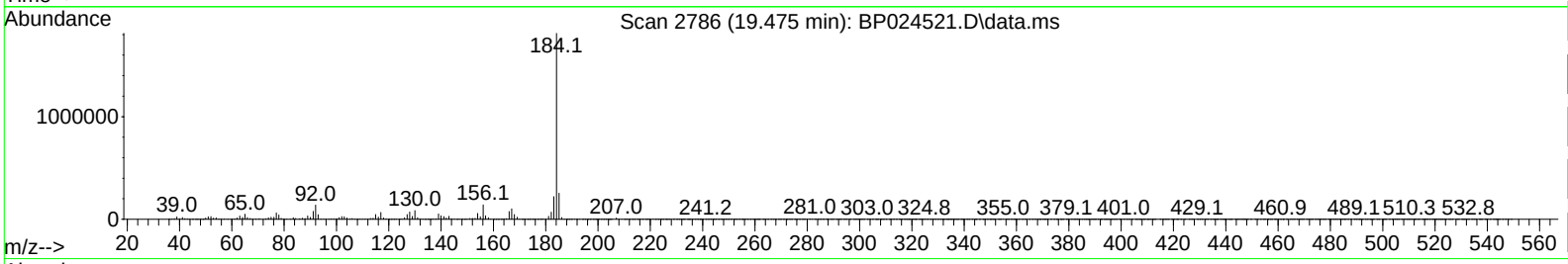
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.80	64.03
264.00	62.20	61.82
0.00	0.00	0.00

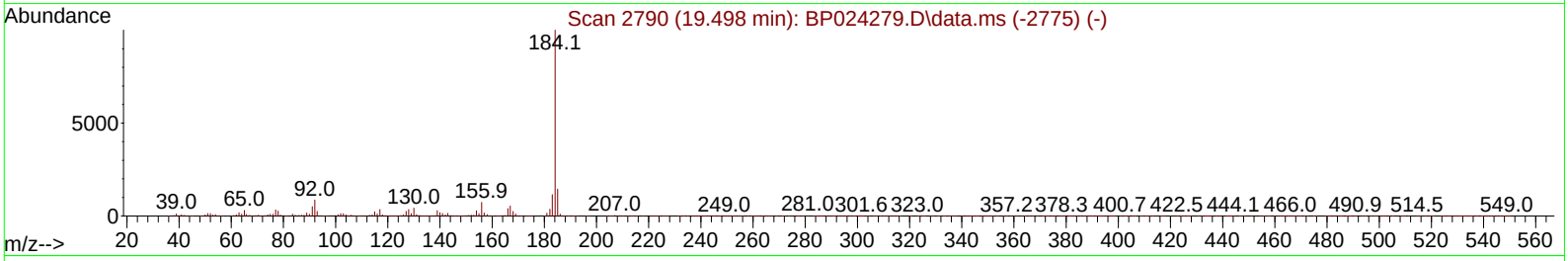
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050525\
Data File : BP024521.D
Acq On : 05 May 2025 11:57
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: May 05 13:04:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration







TIC: BP024521.D\data.ms

(77) Benzidine

19.475min (-0.006) 48141.36 ng

response 2700279

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.50	14.03
183.00	11.50	12.14
0.00	0.00	0.00

Instrument :
BNA_P
ClientSampleId :
DFTPP

DDT Breakdown

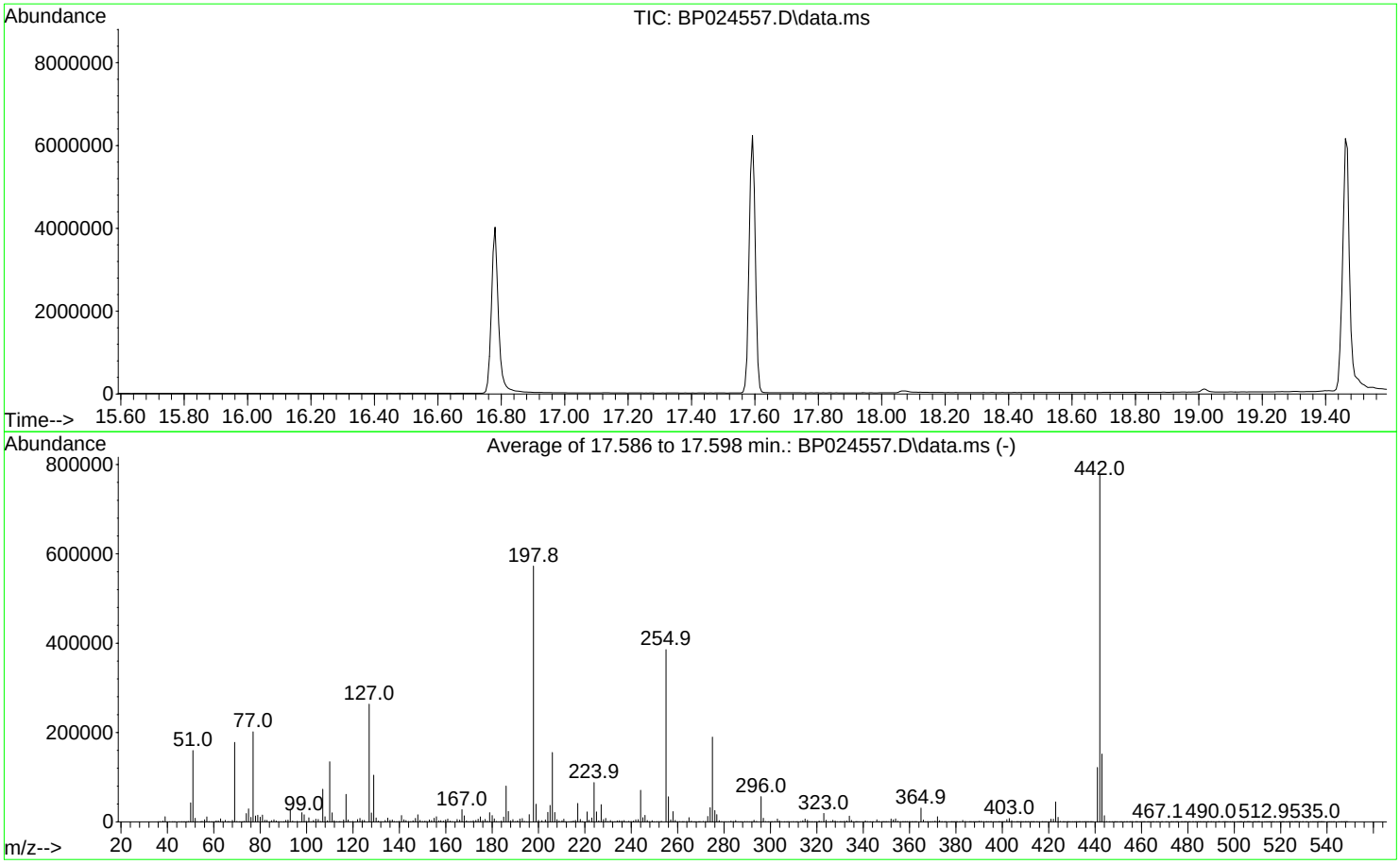
Date	Instrument Name	DFTPP Data File
5/5/2025	BNA_P	BP024521.D
Compound Name	**Response**	**Retention Time**
DDT	1294320	20.763
DDD	38430	20.316
DDE	2470	19.775
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
40900	1335220	3.06

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050725\
Data File : BP024557.D
Acq On : 07 May 2025 09:28
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-BP041425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Apr 18 12:04:48 2025



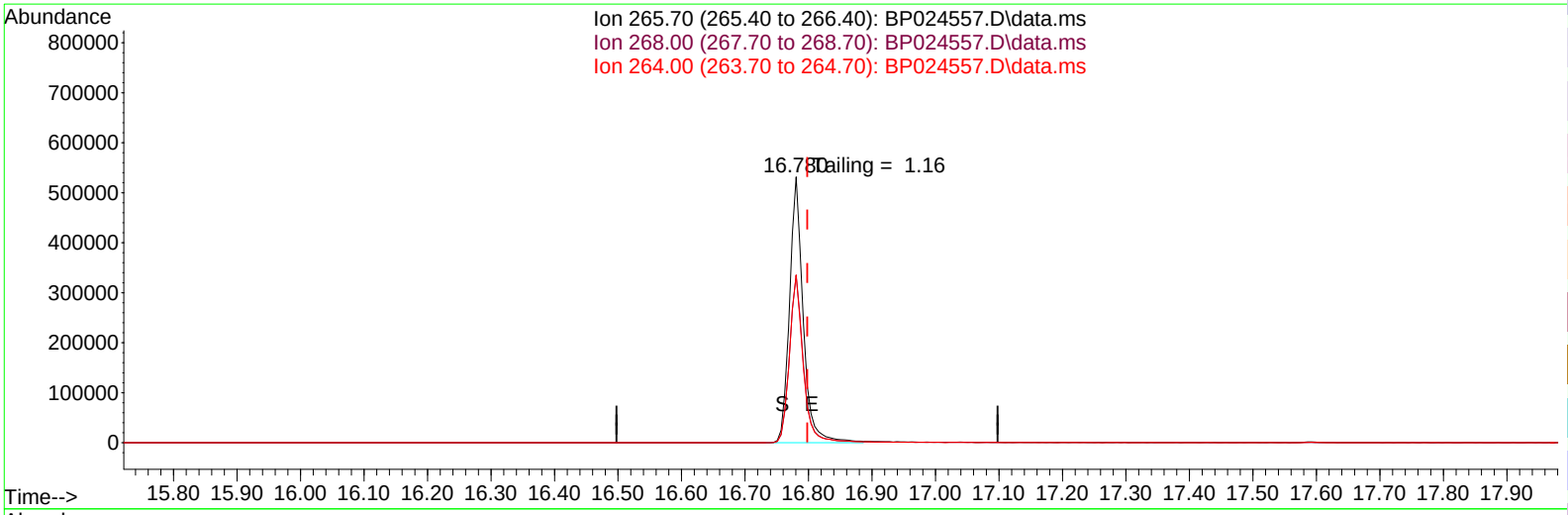
AutoFind: Scans 2465, 2466, 2467; Background Corrected with Scan 2454

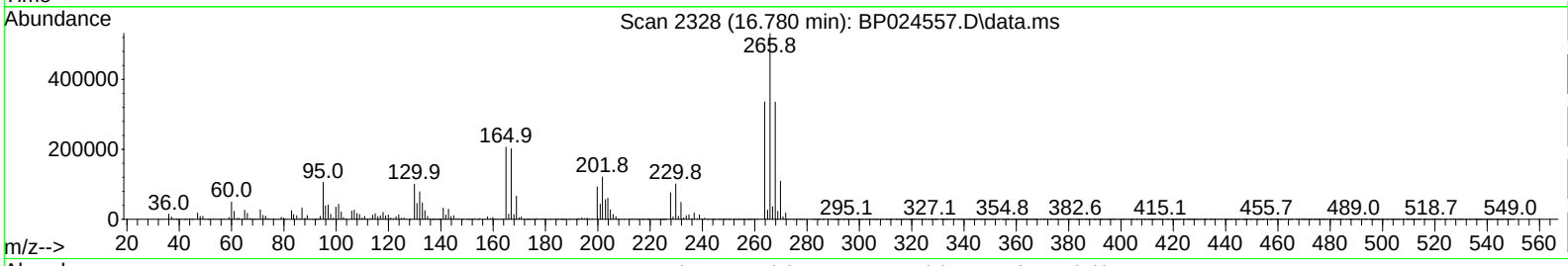
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	27.9	159760	PASS
68	69	0.00	2	1.9	3352	PASS
69	198	0.00	100	31.0	177861	PASS
70	69	0.00	2	0.5	888	PASS
127	198	10	80	46.0	263616	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	572840	PASS
199	198	5	9	6.9	39443	PASS
275	198	10	60	33.1	189781	PASS
365	198	1	100	5.4	30664	PASS
441	198	0.01	100	21.3	121821	PASS
442	442	100	100	100.0	777747	PASS
443	442	15	24	19.5	151941	PASS

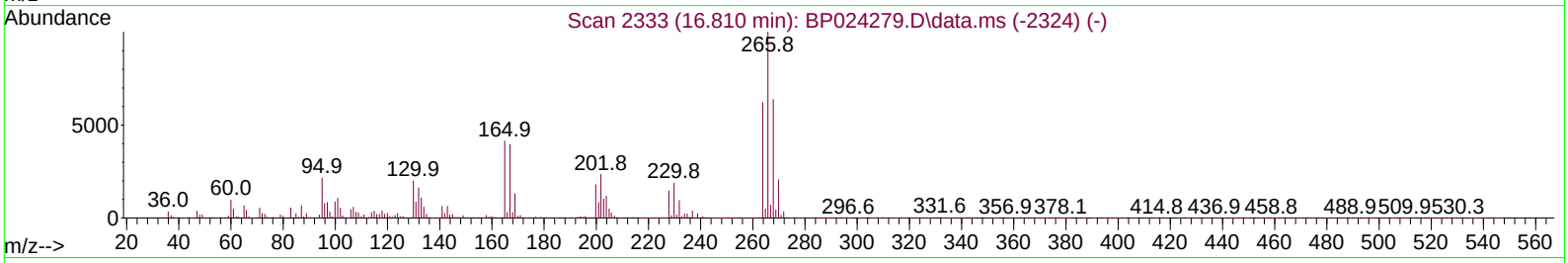
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050725\
Data File : BP024557.D
Acq On : 07 May 2025 09:28
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: May 08 01:19:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration







TIC: BP024557.D\data.ms

(70) Pentachlorophenol (C)

16.780min (-0.018) 41423.64 ng

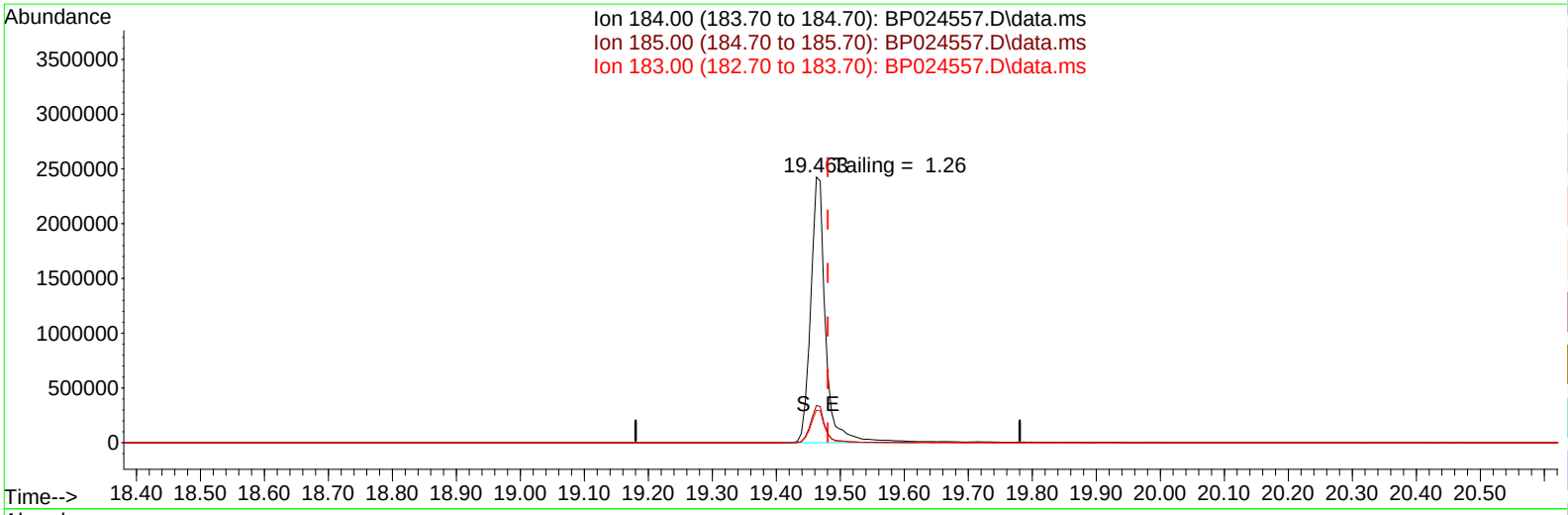
response 804826

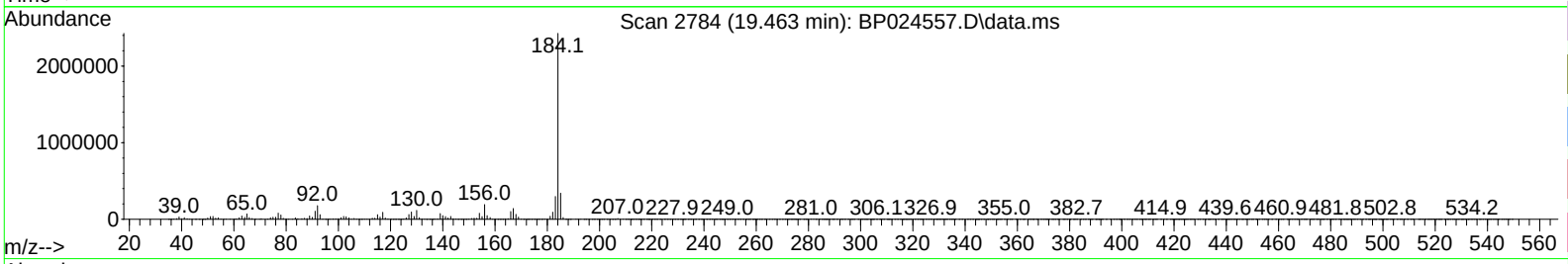
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.80	63.04
264.00	62.20	63.12
0.00	0.00	0.00

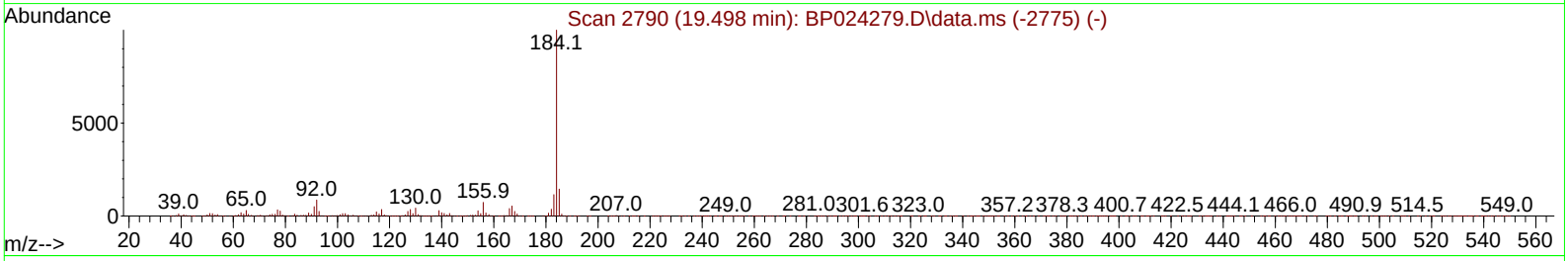
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050725\
Data File : BP024557.D
Acq On : 07 May 2025 09:28
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: May 07 12:20:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration







TIC: BP024557.D\data.ms

(77) Benzidine

19.463min (-0.018) 65812.29 ng

response 3926704

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.50	14.00
183.00	11.50	12.30
0.00	0.00	0.00

Instrument :
BNA_P
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
5/7/2025	BNA_P	BP024557.D
Compound Name	**Response**	**Retention Time**
DDT	2130375	20.751
DDD	42109	20.292
DDE	3380	19.763
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
45489	2175864	2.09

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

Report of Analysis

Client:	Nobis Group			Date Collected:	
Project:	Raymark Superfund Site			Date Received:	
Client Sample ID:	PB167767BL			SDG No.:	Q1883
Lab Sample ID:	PB167767BL			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	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 :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050055.D	1	04/28/25 09:45	04/30/25 21:57	PB167767

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.13	U	0.023	0.13	0.17	mg/Kg
91-57-6	2-Methylnaphthalene	0.13	U	0.026	0.13	0.17	mg/Kg
208-96-8	Acenaphthylene	0.13	U	0.029	0.13	0.17	mg/Kg
83-32-9	Acenaphthene	0.13	U	0.021	0.13	0.17	mg/Kg
86-73-7	Fluorene	0.13	U	0.025	0.13	0.17	mg/Kg
85-01-8	Phenanthrene	0.13	U	0.021	0.13	0.17	mg/Kg
120-12-7	Anthracene	0.13	U	0.033	0.13	0.17	mg/Kg
206-44-0	Fluoranthene	0.13	U	0.030	0.13	0.17	mg/Kg
129-00-0	Pyrene	0.13	U	0.036	0.13	0.17	mg/Kg
56-55-3	Benzo(a)anthracene	0.13	U	0.023	0.13	0.17	mg/Kg
218-01-9	Chrysene	0.13	U	0.020	0.13	0.17	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.13	U	0.019	0.13	0.17	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.13	U	0.022	0.13	0.17	mg/Kg
50-32-8	Benzo(a)pyrene	0.13	U	0.030	0.13	0.17	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.13	U	0.029	0.13	0.17	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.13	U	0.027	0.13	0.17	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.13	U	0.026	0.13	0.17	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	82.3		37 - 122		82%	SPK: 100
321-60-8	2-Fluorobiphenyl	80.5		44 - 115		81%	SPK: 100
1718-51-0	Terphenyl-d14	95.0		54 - 127		95%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	259000	7.763				
1146-65-2	Naphthalene-d8	885000	10.557				
15067-26-2	Acenaphthene-d10	572000	14.41				
1517-22-2	Phenanthrene-d10	1030000	17.157				
1719-03-5	Chrysene-d12	892000	21.398				
1520-96-3	Perylene-d12	973000	24.398				
TENTATIVE IDENTIFIED COMPOUNDS							

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

Report of Analysis

Client:	Nobis Group			Date Collected:	
Project:	Raymark Superfund Site			Date Received:	
Client Sample ID:	PB167767BL			SDG No.:	Q1883
Lab Sample ID:	PB167767BL			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	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 :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050055.D	1	04/28/25 09:45	04/30/25 21:57	PB167767

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	260	A			4.89	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050055.D
Acq On : 30 Apr 2025 21:57
Operator : RC/JU
Sample : PB167767BL
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167767BL

Quant Time: May 01 02:19:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

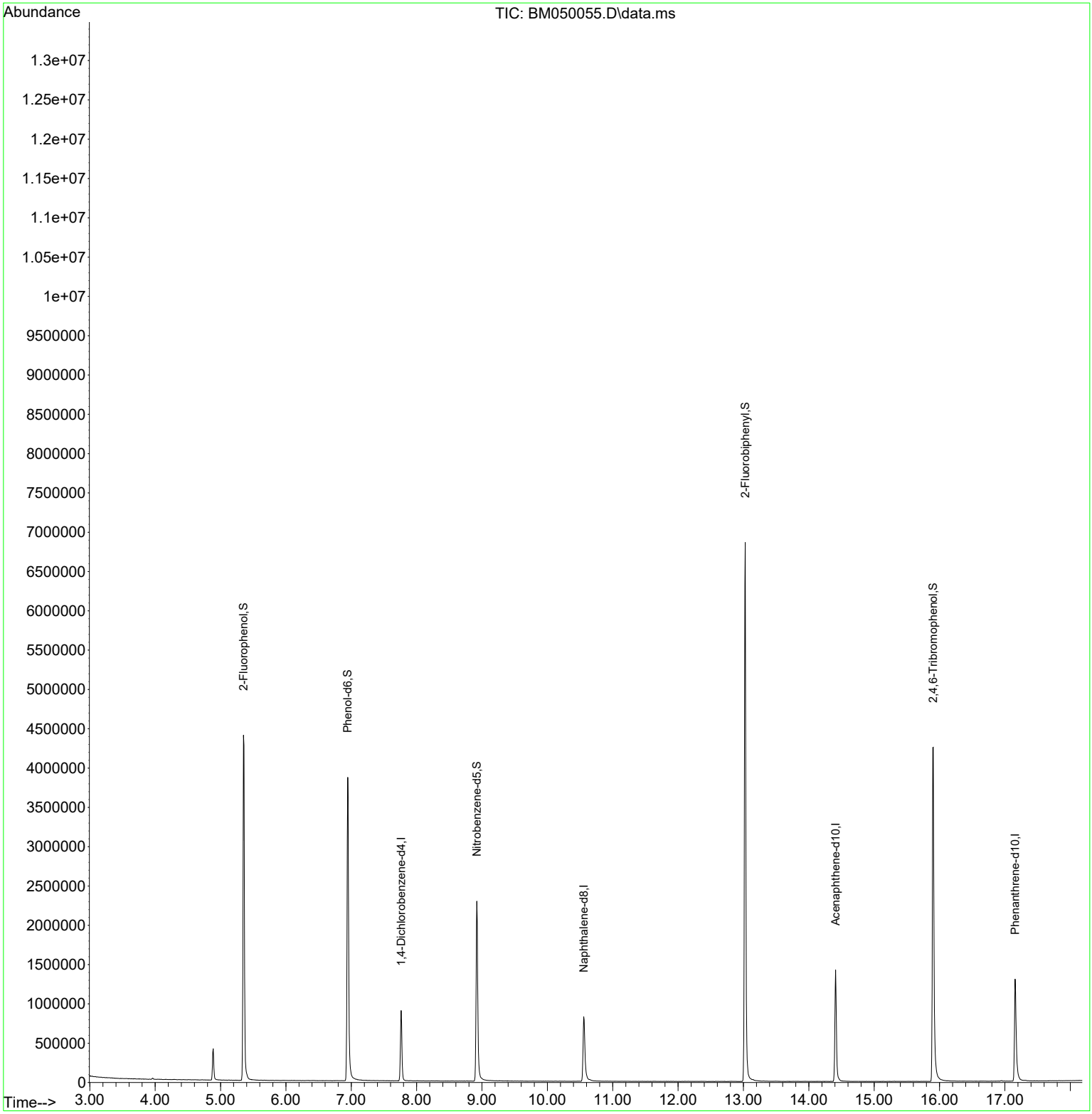
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	259374	20.000	ng	0.00
21) Naphthalene-d8	10.557	136	884512	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	572177	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1034356	20.000	ng	0.00
76) Chrysene-d12	21.398	240	891779	20.000	ng	0.00
86) Perylene-d12	24.398	264	972695	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	2047937	138.259	ng	0.00
7) Phenol-d6	6.946	99	2481152	133.273	ng	0.00
23) Nitrobenzene-d5	8.922	82	1476518	82.257	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	1028521	121.569	ng	0.00
45) 2-Fluorobiphenyl	13.028	172	3894691	80.523	ng	0.00
79) Terphenyl-d14	19.780	244	5726629	95.023	ng	0.00
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050055.D
Acq On : 30 Apr 2025 21:57
Operator : RC/JU
Sample : PB167767BL
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167767BL

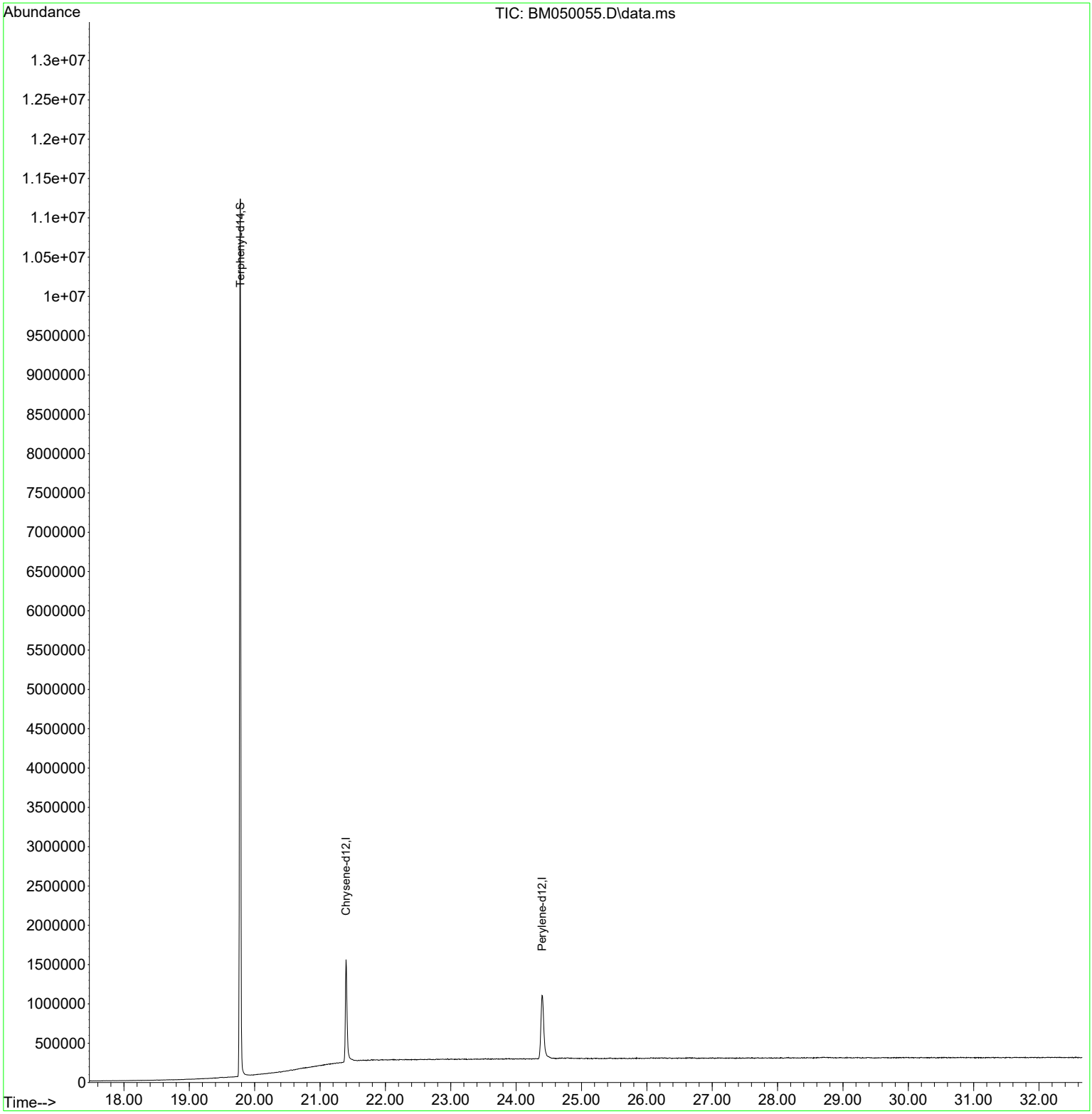
Quant Time: May 01 02:19:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

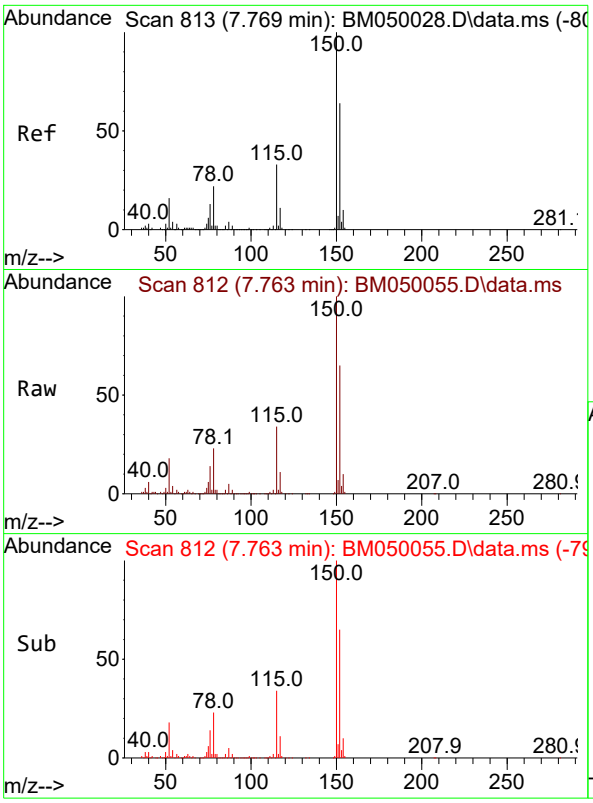


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050055.D
Acq On : 30 Apr 2025 21:57
Operator : RC/JU
Sample : PB167767BL
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167767BL

Quant Time: May 01 02:19:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



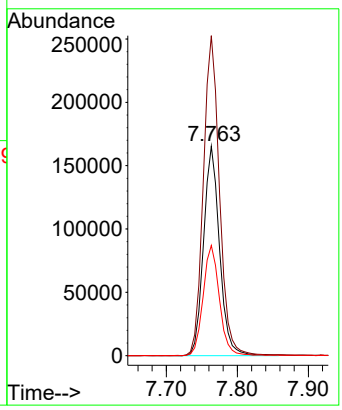


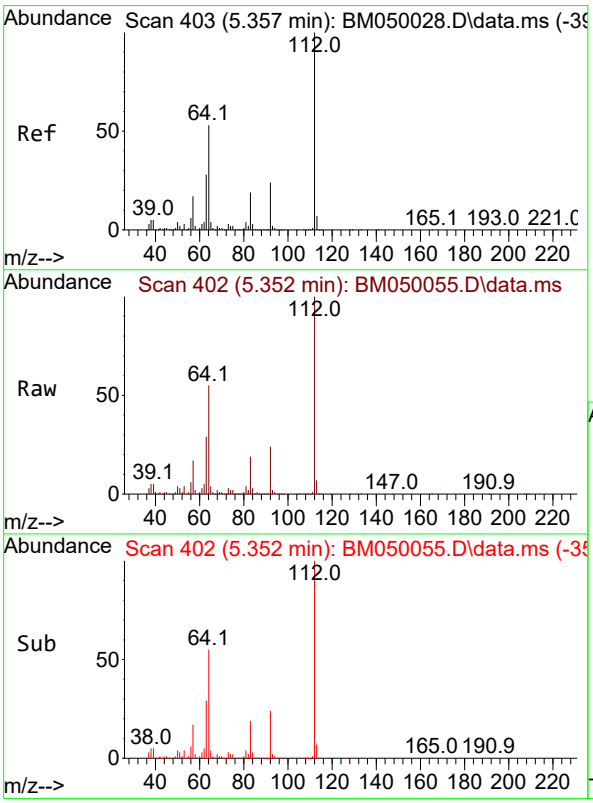
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM050055.D
Acq: 30 Apr 2025 21:57

Instrument :
BNA_M
ClientSampleId :
PB167767BL

Tgt Ion:152 Resp: 259374

Ion	Ratio	Lower	Upper
152	100		
150	152.7	124.1	186.1
115	52.6	41.2	61.8

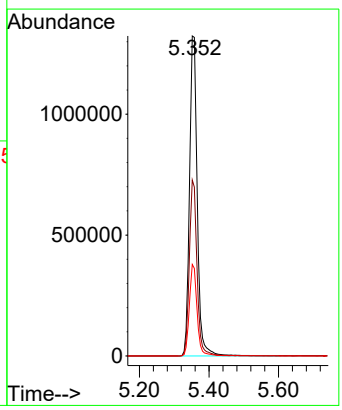


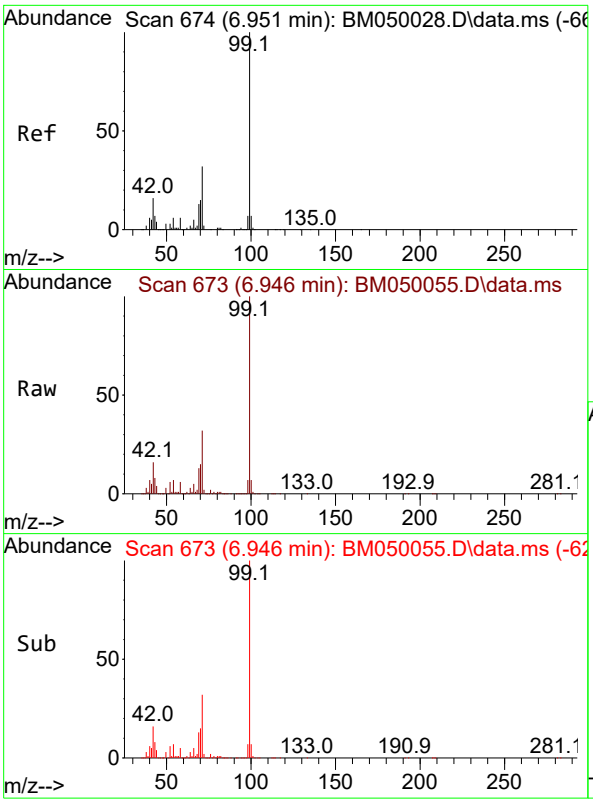


#5
2-Fluorophenol
Concen: 138.259 ng
RT: 5.352 min Scan# 402
Delta R.T. -0.006 min
Lab File: BM050055.D
Acq: 30 Apr 2025 21:57

Tgt Ion:112 Resp: 2047937

Ion	Ratio	Lower	Upper
112	100		
64	55.0	42.6	64.0
63	28.6	22.2	33.4



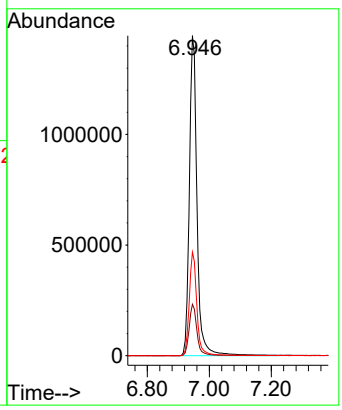


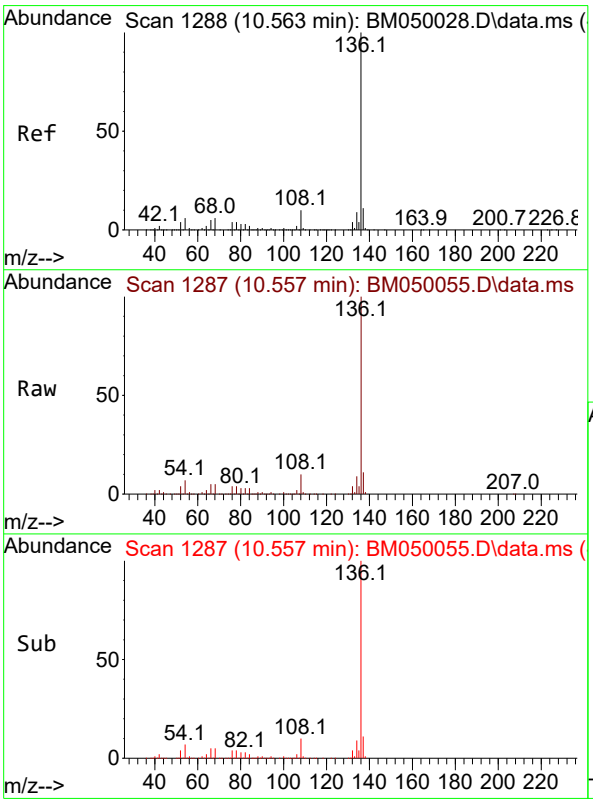
#7
Phenol-d6
Concen: 133.273 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM050055.D
Acq: 30 Apr 2025 21:57

Instrument :
BNA_M
ClientSampleId :
PB167767BL

Tgt Ion: 99 Resp: 2481152

Ion	Ratio	Lower	Upper
99	100		
42	16.1	13.0	19.4
71	32.4	25.6	38.4

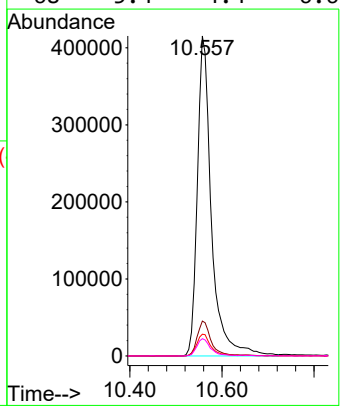


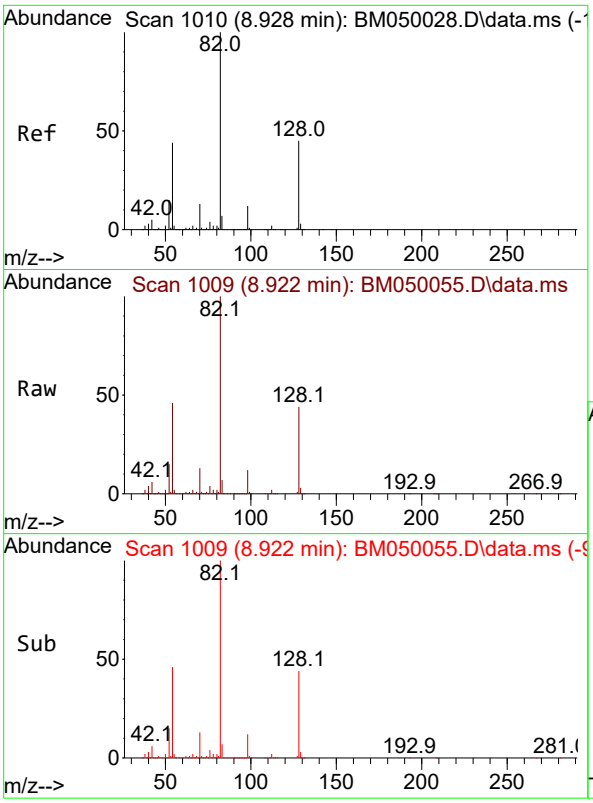


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BM050055.D
Acq: 30 Apr 2025 21:57

Tgt Ion:136 Resp: 884512

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.8	5.1	7.7
68	5.4	4.4	6.6



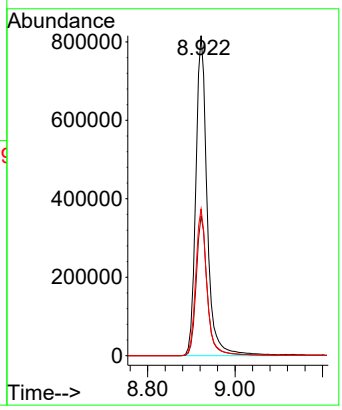


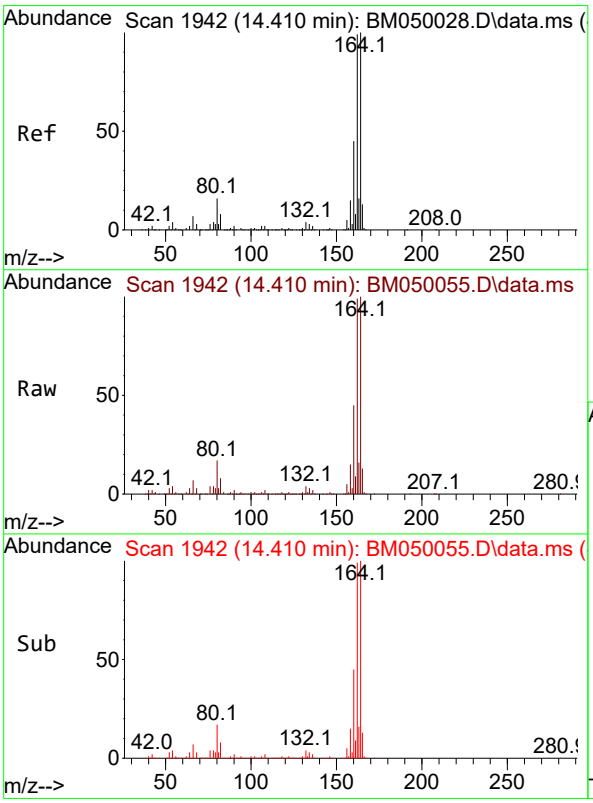
#23
Nitrobenzene-d5
Concen: 82.257 ng
RT: 8.922 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BM050055.D
Acq: 30 Apr 2025 21:57

Instrument :
BNA_M
ClientSampleId :
PB167767BL

Tgt Ion: 82 Resp: 1476518

Ion	Ratio	Lower	Upper
82	100		
128	43.7	35.7	53.5
54	45.9	35.4	53.2

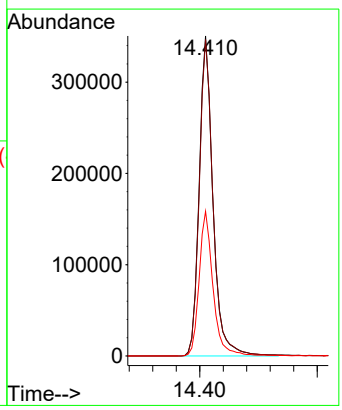


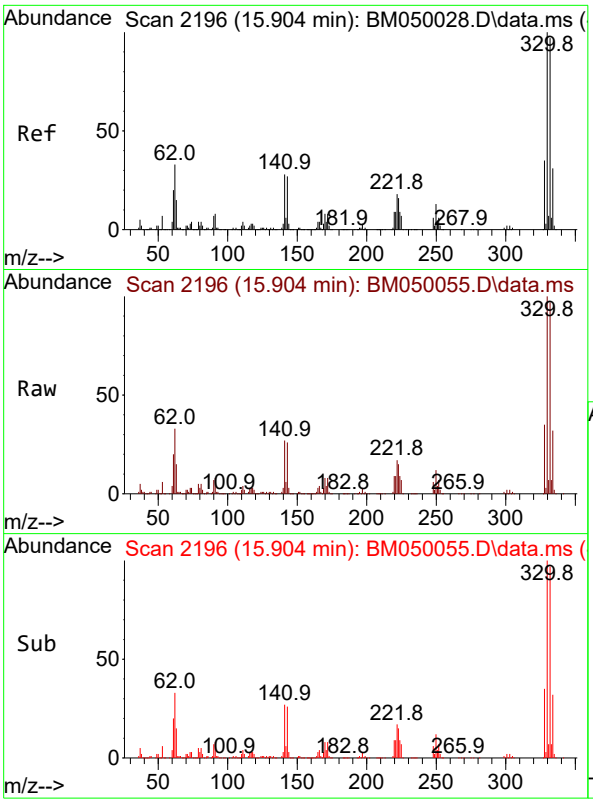


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.000 min
Lab File: BM050055.D
Acq: 30 Apr 2025 21:57

Tgt Ion:164 Resp: 572177

Ion	Ratio	Lower	Upper
164	100		
162	98.8	79.4	119.0
160	45.2	36.2	54.4



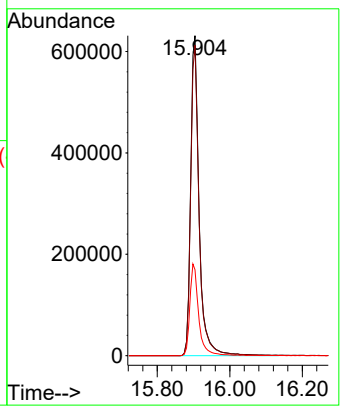


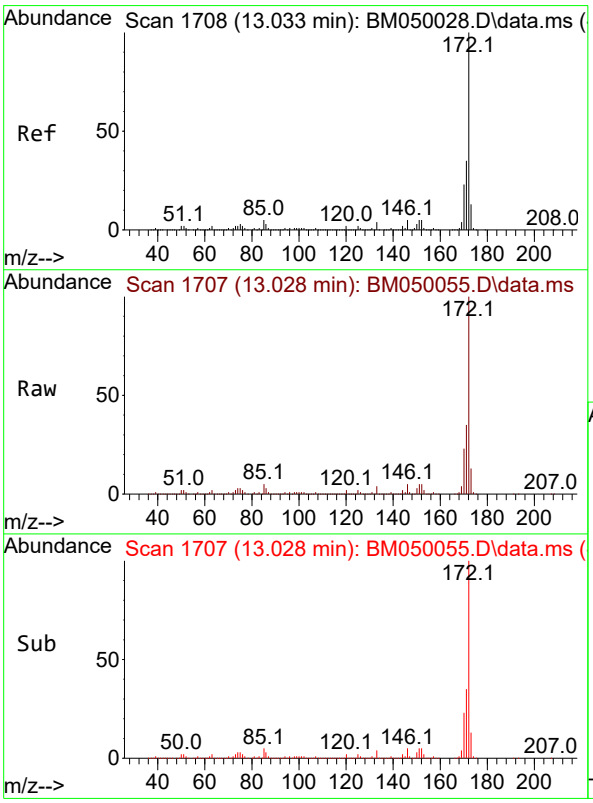
#42
2,4,6-Tribromophenol
Concen: 121.569 ng
RT: 15.904 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM050055.D
Acq: 30 Apr 2025 21:57

Instrument :
BNA_M
ClientSampleId :
PB167767BL

Tgt Ion:330 Resp: 1028521

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.3	115.9
141	29.8	22.5	33.7

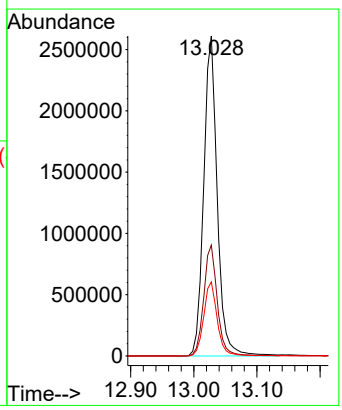


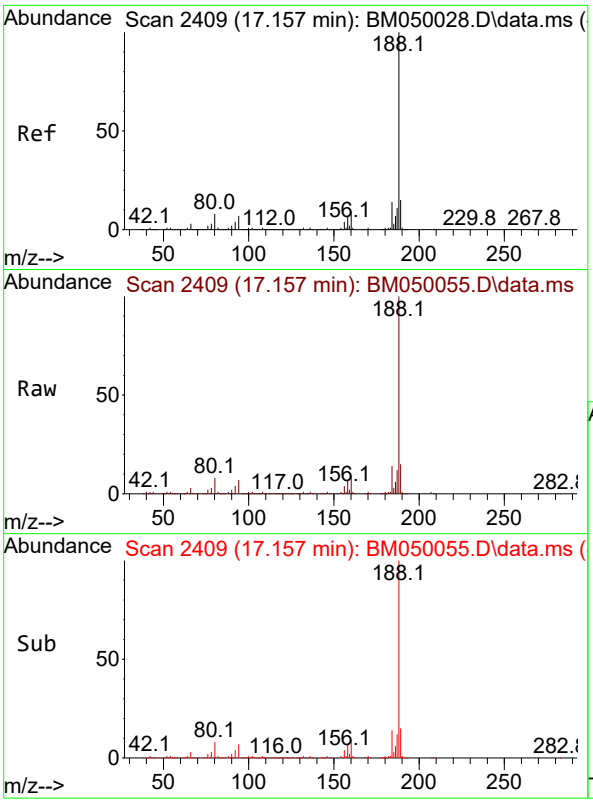


#45
2-Fluorobiphenyl
Concen: 80.523 ng
RT: 13.028 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BM050055.D
Acq: 30 Apr 2025 21:57

Tgt Ion:172 Resp: 3894691

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.8	41.6
170	23.1	18.6	28.0



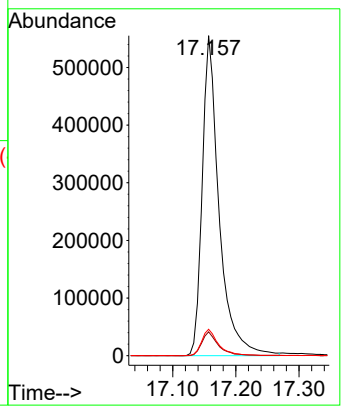


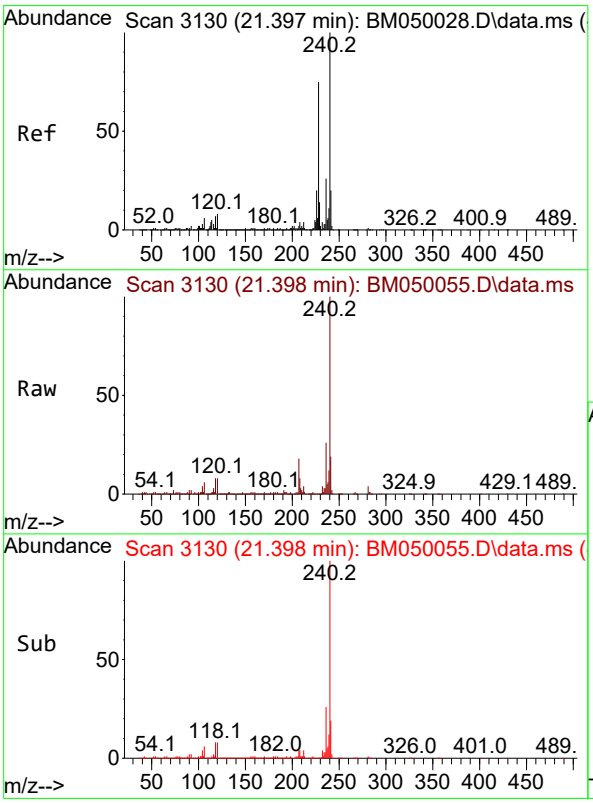
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM050055.D
Acq: 30 Apr 2025 21:57

Instrument :
BNA_M
ClientSampleId :
PB167767BL

Tgt Ion:188 Resp: 1034356

Ion	Ratio	Lower	Upper
188	100		
94	7.5	5.7	8.5
80	8.2	6.2	9.4

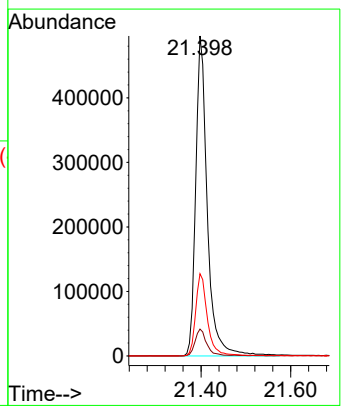


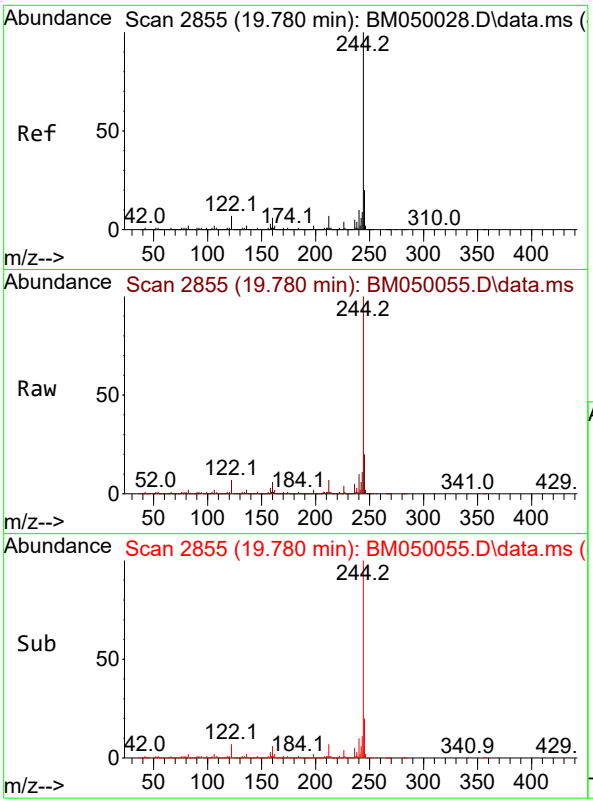


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.398 min Scan# 3130
Delta R.T. 0.001 min
Lab File: BM050055.D
Acq: 30 Apr 2025 21:57

Tgt Ion:240 Resp: 891779

Ion	Ratio	Lower	Upper
240	100		
120	8.4	6.5	9.7
236	25.7	20.9	31.3



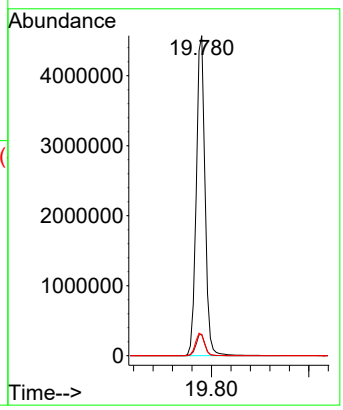


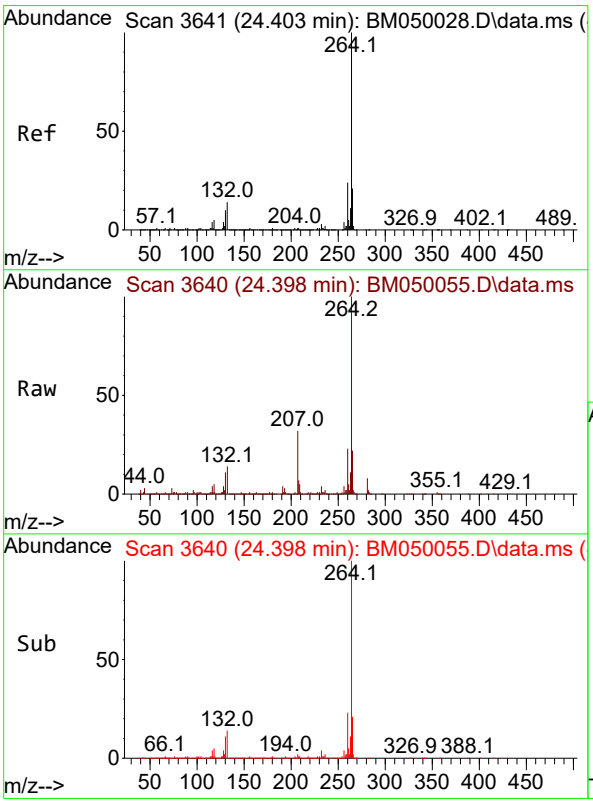
#79
Terphenyl-d14
Concen: 95.023 ng
RT: 19.780 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050055.D
Acq: 30 Apr 2025 21:57

Instrument :
BNA_M
ClientSampleId :
PB167767BL

Tgt Ion:244 Resp: 5726629

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.6	8.4
122	6.6	5.6	8.4

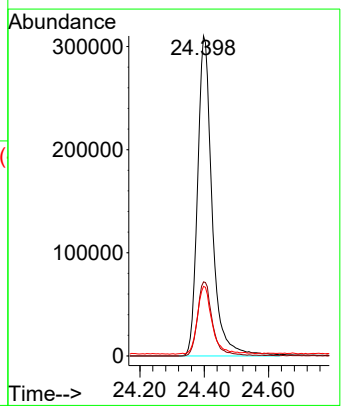




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.398 min Scan# 3640
Delta R.T. -0.006 min
Lab File: BM050055.D
Acq: 30 Apr 2025 21:57

Tgt Ion:264 Resp: 972695

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.8	28.2
265	21.8	17.0	25.4



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

Report of Analysis

Client:	Nobis Group			Date Collected:	
Project:	Raymark Superfund Site			Date Received:	
Client Sample ID:	PB167836BL			SDG No.:	Q1883
Lab Sample ID:	PB167836BL			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	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 :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024523.D	1	05/02/25 10:10	05/05/25 13:18	PB167836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.13	U	0.023	0.13	0.17	mg/Kg
91-57-6	2-Methylnaphthalene	0.13	U	0.026	0.13	0.17	mg/Kg
208-96-8	Acenaphthylene	0.13	U	0.029	0.13	0.17	mg/Kg
83-32-9	Acenaphthene	0.13	U	0.021	0.13	0.17	mg/Kg
86-73-7	Fluorene	0.13	U	0.025	0.13	0.17	mg/Kg
85-01-8	Phenanthrene	0.13	U	0.021	0.13	0.17	mg/Kg
120-12-7	Anthracene	0.13	U	0.033	0.13	0.17	mg/Kg
206-44-0	Fluoranthene	0.13	U	0.030	0.13	0.17	mg/Kg
129-00-0	Pyrene	0.13	U	0.036	0.13	0.17	mg/Kg
56-55-3	Benzo(a)anthracene	0.13	U	0.023	0.13	0.17	mg/Kg
218-01-9	Chrysene	0.13	U	0.020	0.13	0.17	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.13	U	0.019	0.13	0.17	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.13	U	0.022	0.13	0.17	mg/Kg
50-32-8	Benzo(a)pyrene	0.13	U	0.030	0.13	0.17	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.13	U	0.029	0.13	0.17	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.13	U	0.027	0.13	0.17	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.13	U	0.026	0.13	0.17	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	94.3		37 - 122		94%	SPK: 100
321-60-8	2-Fluorobiphenyl	99.2		44 - 115		99%	SPK: 100
1718-51-0	Terphenyl-d14	99.2		54 - 127		99%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	168000	7.711				
1146-65-2	Naphthalene-d8	650000	10.481				
15067-26-2	Acenaphthene-d10	387000	14.34				
1517-22-2	Phenanthrene-d10	787000	17.139				
1719-03-5	Chrysene-d12	892000	21.58				
1520-96-3	Perylene-d12	1030000	24.921				
TENTATIVE IDENTIFIED COMPOUNDS							

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

Report of Analysis

Client:	Nobis Group			Date Collected:	
Project:	Raymark Superfund Site			Date Received:	
Client Sample ID:	PB167836BL			SDG No.:	Q1883
Lab Sample ID:	PB167836BL			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	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 :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024523.D	1	05/02/25 10:10	05/05/25 13:18	PB167836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	260	A			4.88	ug/Kg

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050525\
Data File : BP024523.D
Acq On : 05 May 2025 13:18
Operator : RC/JU
Sample : PB167836BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167836BL

Quant Time: May 05 13:51:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

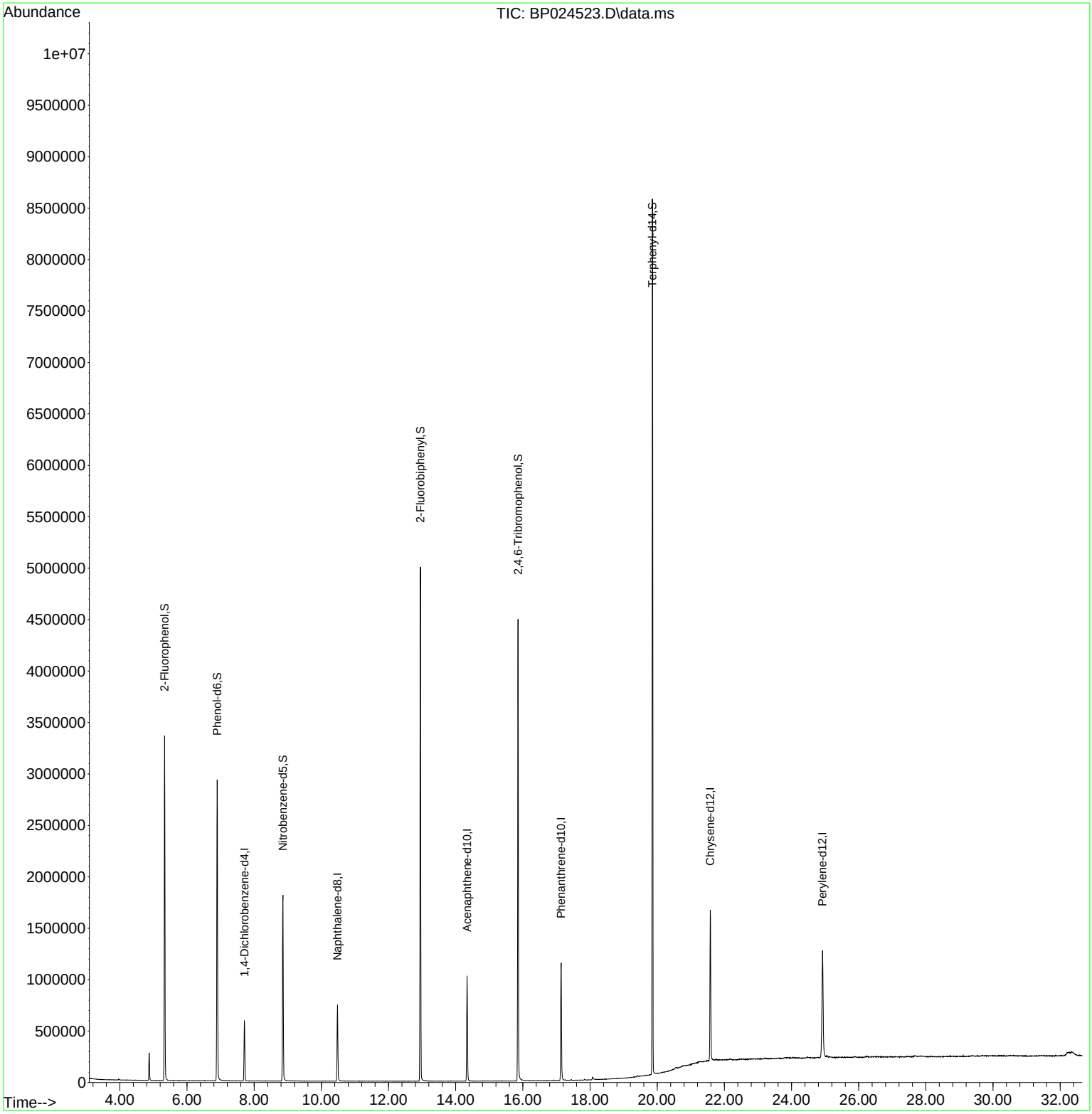
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.711	152	168020	20.000	ng	-0.01
21) Naphthalene-d8	10.481	136	650487	20.000	ng	#-0.02
39) Acenaphthene-d10	14.340	164	387013	20.000	ng	-0.01
64) Phenanthrene-d10	17.139	188	786775	20.000	ng	0.00
76) Chrysene-d12	21.580	240	892152	20.000	ng	-0.01
86) Perylene-d12	24.921	264	1026296	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	1449087	142.602	ng	-0.01
7) Phenol-d6	6.899	99	1754054	126.061	ng	-0.01
23) Nitrobenzene-d5	8.858	82	1075772	94.301	ng	-0.01
42) 2,4,6-Tribromophenol	15.857	330	919841	171.787	ng	0.00
45) 2-Fluorobiphenyl	12.951	172	2508320	99.235	ng	-0.01
79) Terphenyl-d14	19.857	244	4391825	99.224	ng	-0.02
Target Compounds						Qvalue

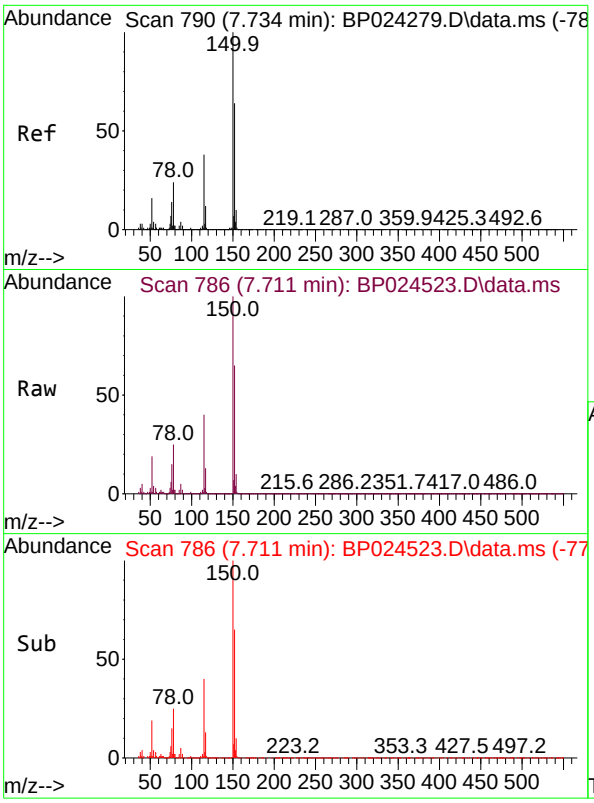
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050525\
Data File : BP024523.D
Acq On : 05 May 2025 13:18
Operator : RC/JU
Sample : PB167836BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167836BL

Quant Time: May 05 13:51:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration



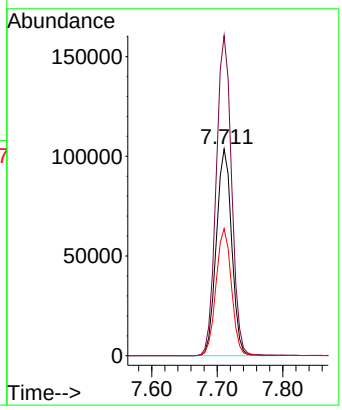


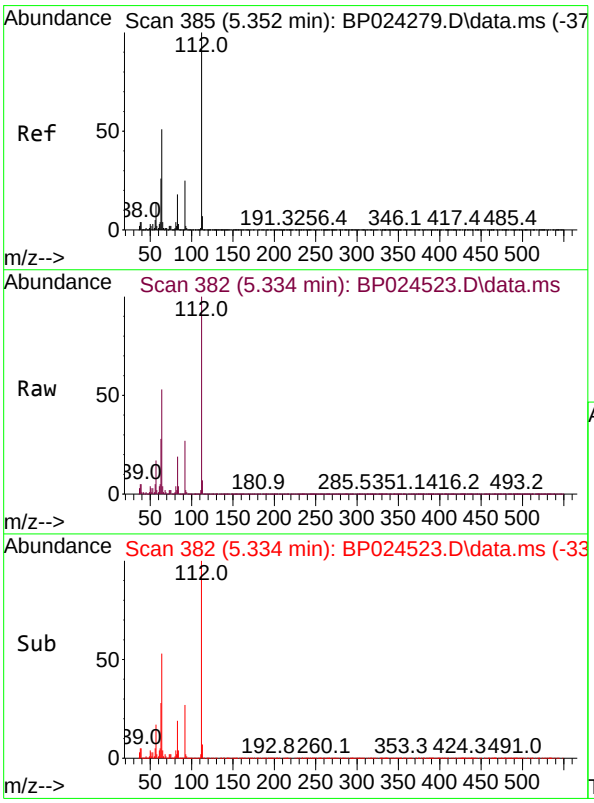
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.711 min Scan# 7
Delta R.T. -0.011 min
Lab File: BP024523.D
Acq: 05 May 2025 13:18

Instrument :
BNA_P
ClientSampleId :
PB167836BL

Tgt Ion:152 Resp: 168020

Ion	Ratio	Lower	Upper
152	100		
150	154.8	124.9	187.3
115	61.5	47.7	71.5

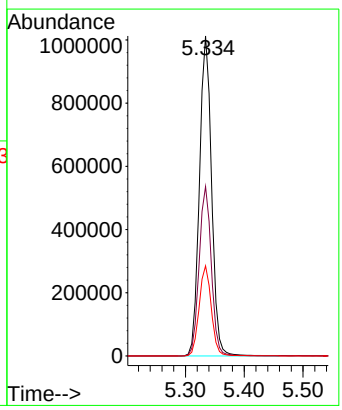


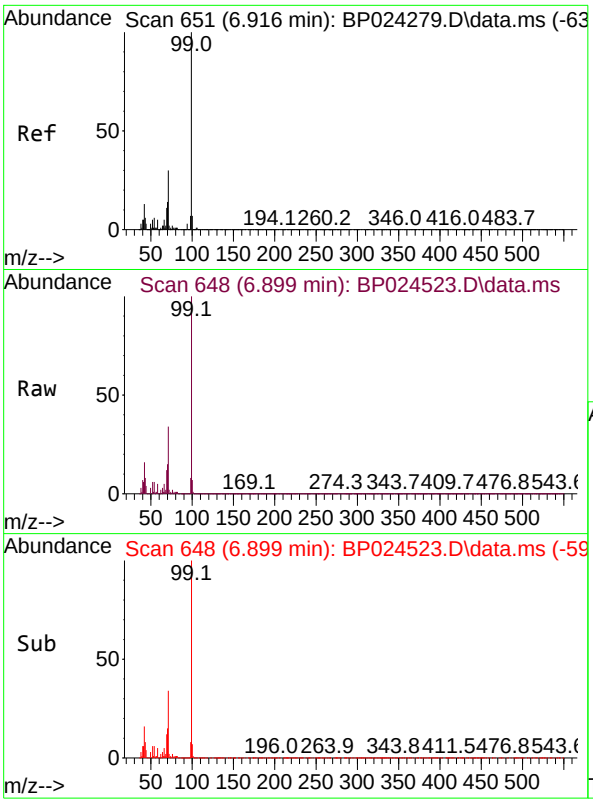


#5
2-Fluorophenol
Concen: 142.602 ng
RT: 5.334 min Scan# 382
Delta R.T. -0.012 min
Lab File: BP024523.D
Acq: 05 May 2025 13:18

Tgt Ion:112 Resp: 1449087

Ion	Ratio	Lower	Upper
112	100		
64	52.9	41.1	61.7
63	28.2	20.6	30.8



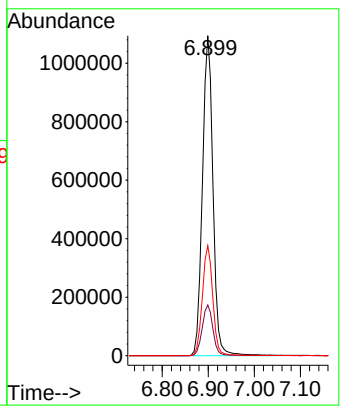


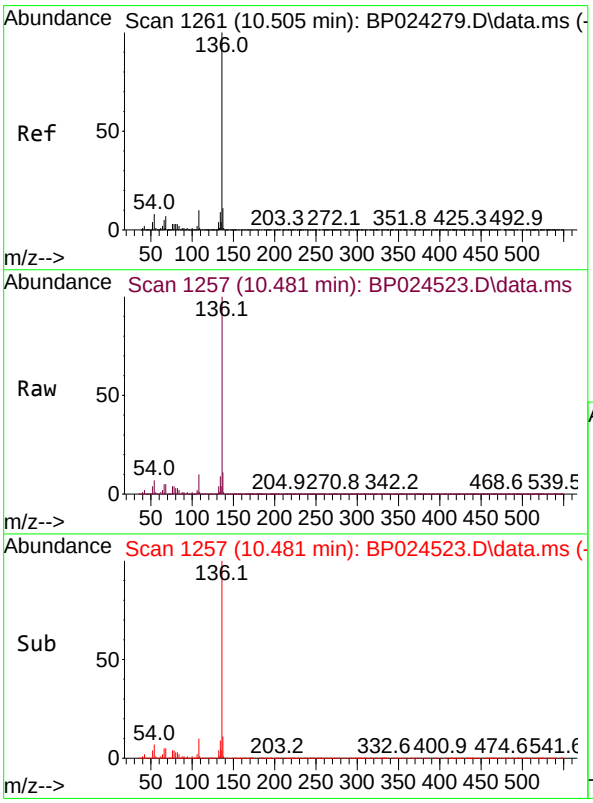
#7
Phenol-d6
Concen: 126.061 ng
RT: 6.899 min Scan# 64
Delta R.T. -0.012 min
Lab File: BP024523.D
Acq: 05 May 2025 13:18

Instrument :
BNA_P
ClientSampleId :
PB167836BL

Tgt Ion: 99 Resp: 1754054

Ion	Ratio	Lower	Upper
99	100		
42	15.8	10.6	16.0
71	34.3	23.7	35.5

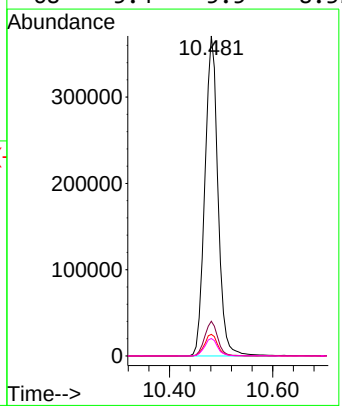


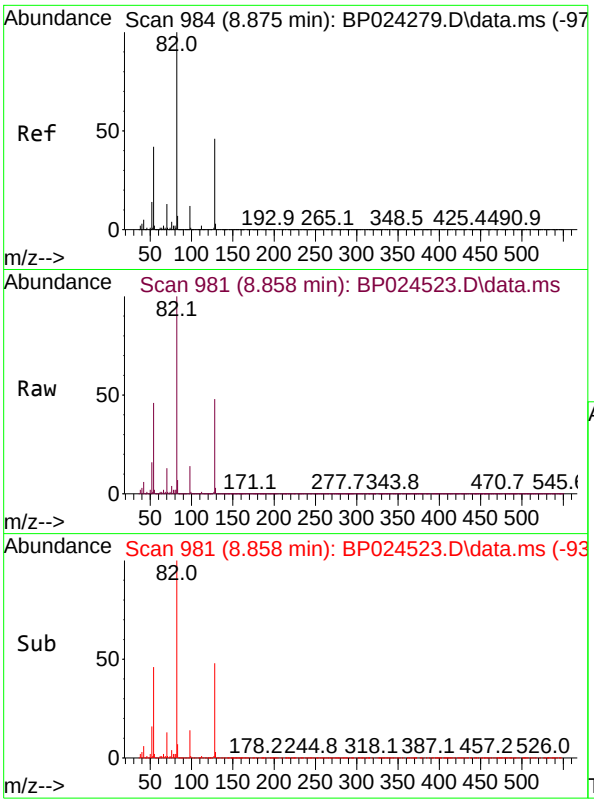


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.481 min Scan# 1257
Delta R.T. -0.018 min
Lab File: BP024523.D
Acq: 05 May 2025 13:18

Tgt Ion:136 Resp: 650487

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	6.8	6.0	9.0
68	5.4	5.5	8.3#



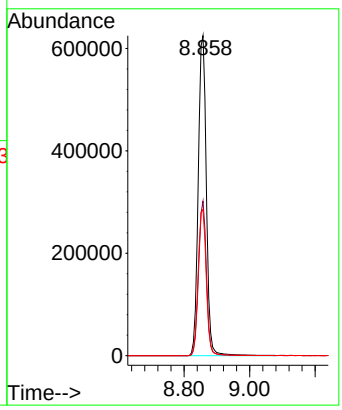


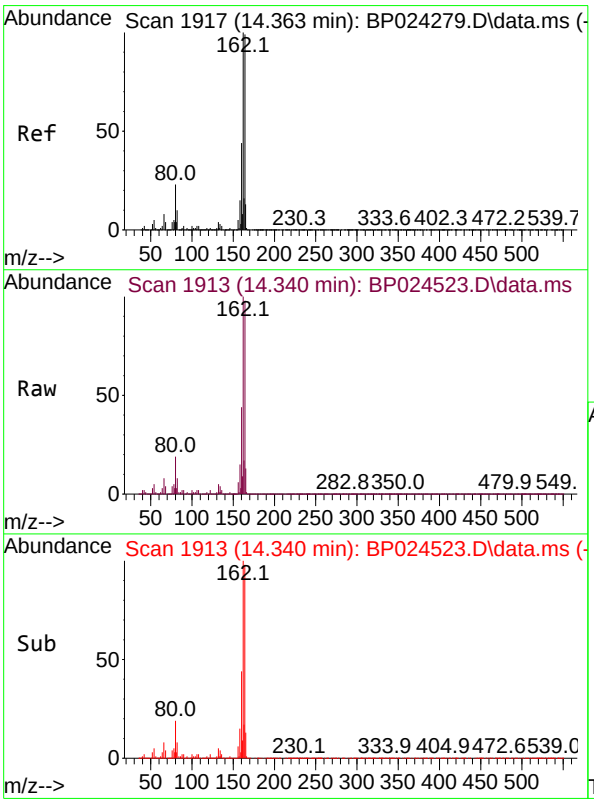
#23
Nitrobenzene-d5
Concen: 94.301 ng
RT: 8.858 min Scan# 9
Delta R.T. -0.012 min
Lab File: BP024523.D
Acq: 05 May 2025 13:18

Instrument :
BNA_P
ClientSampleId :
PB167836BL

Tgt Ion: 82 Resp: 1075772

Ion	Ratio	Lower	Upper
82	100		
128	48.3	36.5	54.7
54	45.6	33.4	50.2

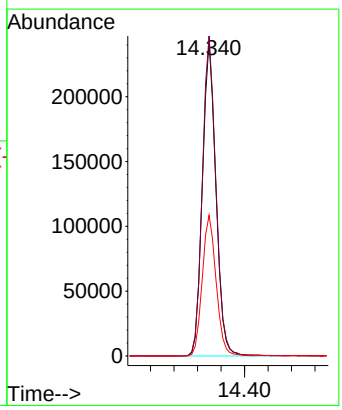


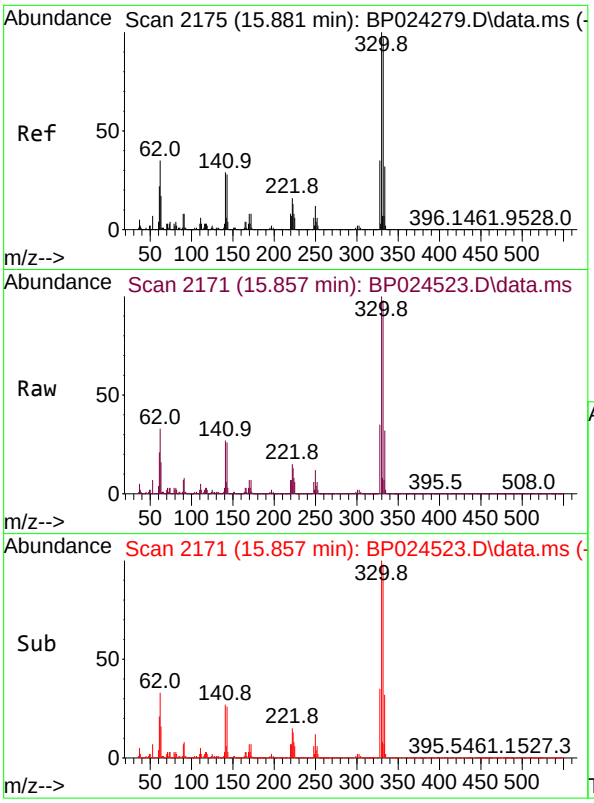


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.340 min Scan# 1913
Delta R.T. -0.012 min
Lab File: BP024523.D
Acq: 05 May 2025 13:18

Tgt Ion:164 Resp: 387013

Ion	Ratio	Lower	Upper
164	100		
162	101.7	80.6	120.8
160	44.7	35.3	52.9



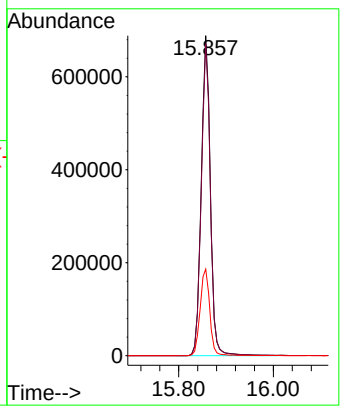


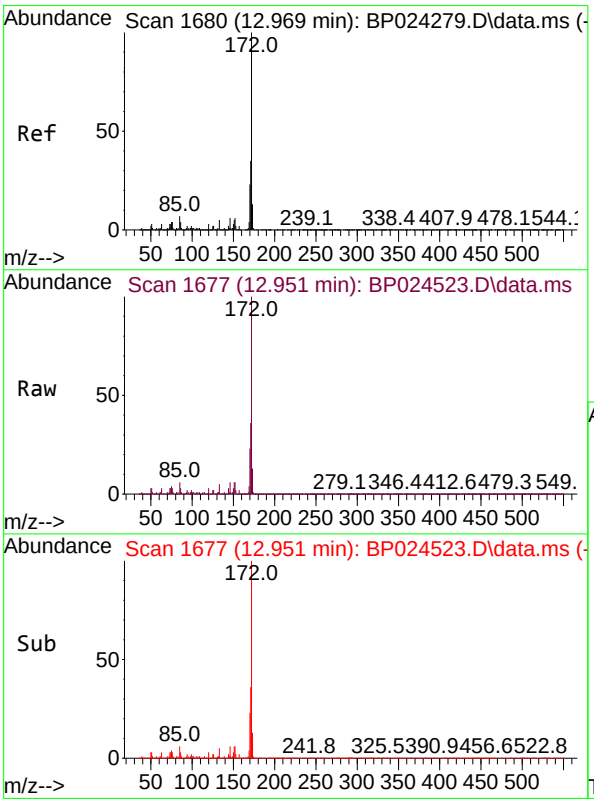
#42
2,4,6-Tribromophenol
Concen: 171.787 ng
RT: 15.857 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024523.D
Acq: 05 May 2025 13:18

Instrument :
BNA_P
ClientSampleId :
PB167836BL

Tgt Ion:330 Resp: 919841

Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.1	115.7
141	28.6	24.7	37.1

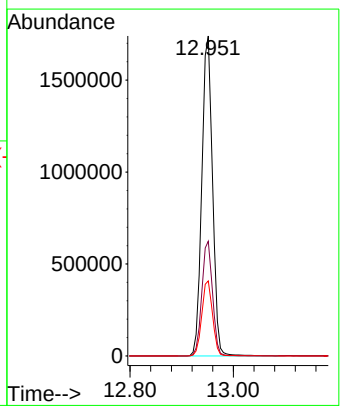


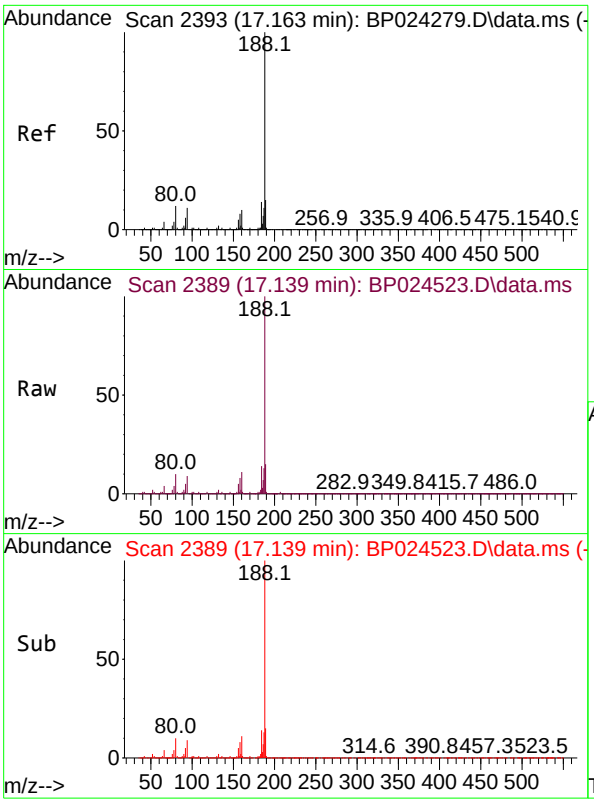


#45
2-Fluorobiphenyl
Concen: 99.235 ng
RT: 12.951 min Scan# 1677
Delta R.T. -0.012 min
Lab File: BP024523.D
Acq: 05 May 2025 13:18

Tgt Ion:172 Resp: 2508320

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.2	42.2
170	23.5	18.6	27.8



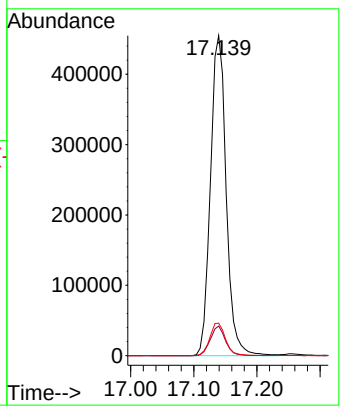


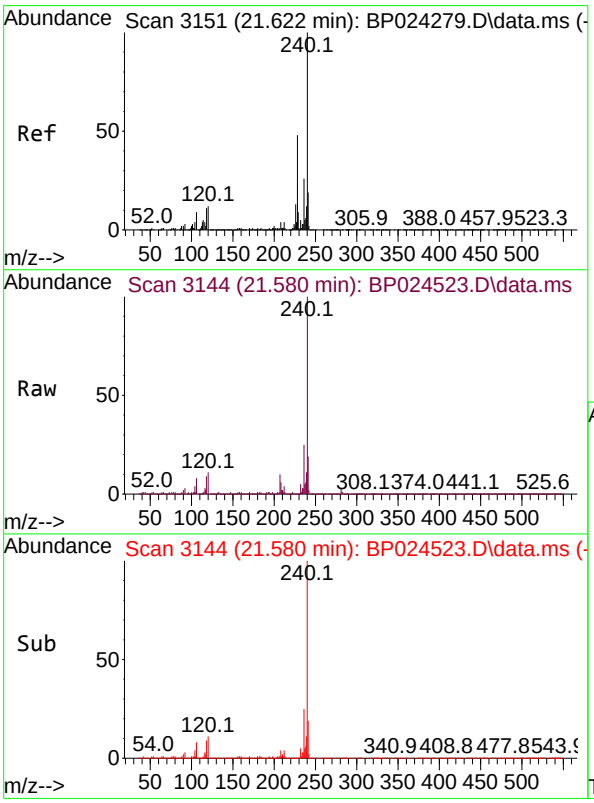
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.139 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024523.D
Acq: 05 May 2025 13:18

Instrument :
BNA_P
ClientSampleId :
PB167836BL

Tgt Ion:188 Resp: 786775

Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.6	13.0
80	10.2	9.8	14.6

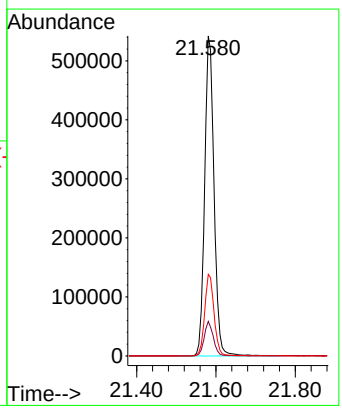


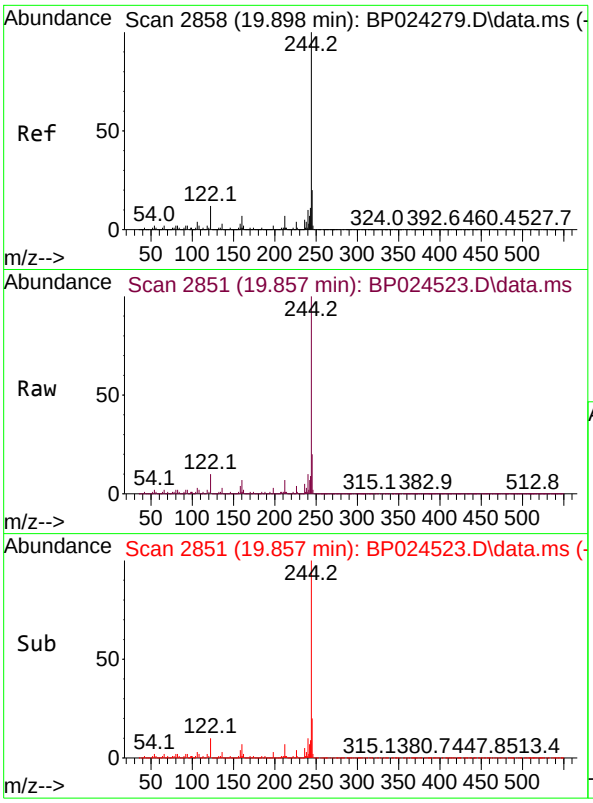


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.580 min Scan# 3144
Delta R.T. -0.012 min
Lab File: BP024523.D
Acq: 05 May 2025 13:18

Tgt Ion:240 Resp: 892152

Ion	Ratio	Lower	Upper
240	100		
120	10.8	9.8	14.8
236	25.5	20.9	31.3



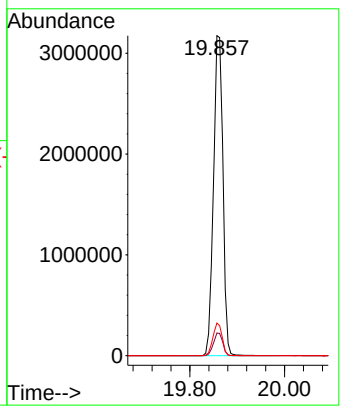


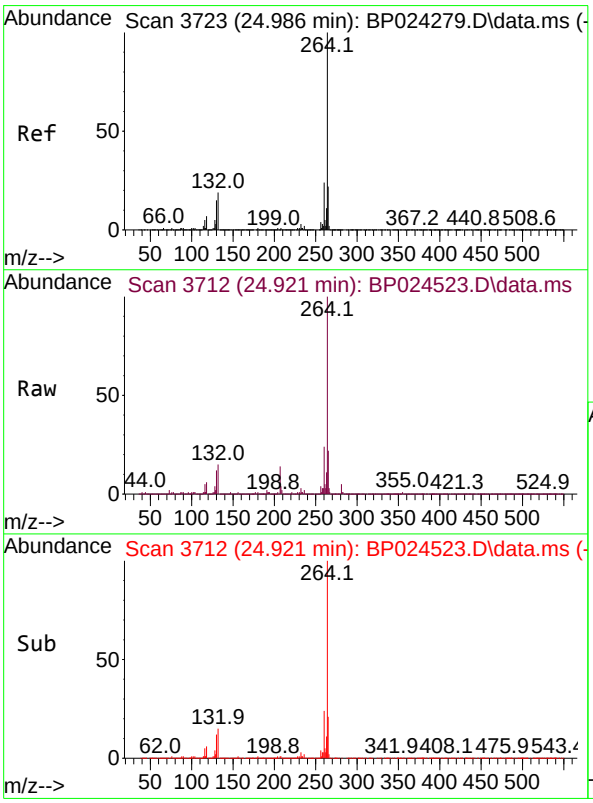
#79
Terphenyl-d14
Concen: 99.224 ng
RT: 19.857 min Scan# 2
Delta R.T. -0.017 min
Lab File: BP024523.D
Acq: 05 May 2025 13:18

Instrument :
BNA_P
ClientSampleId :
PB167836BL

Tgt Ion:244 Resp: 4391825

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	10.2	9.4	14.0

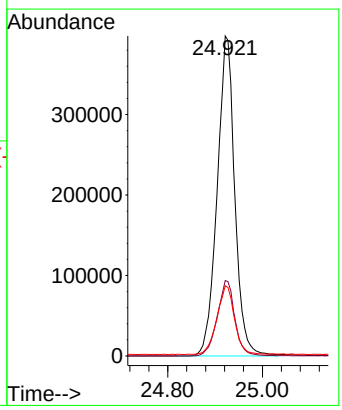




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.921 min Scan# 3712
Delta R.T. -0.012 min
Lab File: BP024523.D
Acq: 05 May 2025 13:18

Tgt Ion:264 Resp: 1026296

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	22.0	17.8	26.6



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

Report of Analysis

Client:	Nobis Group			Date Collected:	
Project:	Raymark Superfund Site			Date Received:	
Client Sample ID:	PB167767BS			SDG No.:	Q1883
Lab Sample ID:	PB167767BS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	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 :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050056.D	1	04/28/25 09:45	04/30/25 22:36	PB167767

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	1.50		0.023	0.13	0.17	mg/Kg
91-57-6	2-Methylnaphthalene	1.50		0.026	0.13	0.17	mg/Kg
208-96-8	Acenaphthylene	1.50		0.029	0.13	0.17	mg/Kg
83-32-9	Acenaphthene	1.50		0.021	0.13	0.17	mg/Kg
86-73-7	Fluorene	1.60		0.025	0.13	0.17	mg/Kg
85-01-8	Phenanthrene	1.60		0.021	0.13	0.17	mg/Kg
120-12-7	Anthracene	1.60		0.033	0.13	0.17	mg/Kg
206-44-0	Fluoranthene	1.50		0.030	0.13	0.17	mg/Kg
129-00-0	Pyrene	1.50		0.036	0.13	0.17	mg/Kg
56-55-3	Benzo(a)anthracene	1.60		0.023	0.13	0.17	mg/Kg
218-01-9	Chrysene	1.60		0.020	0.13	0.17	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.60		0.019	0.13	0.17	mg/Kg
207-08-9	Benzo(k)fluoranthene	1.60		0.022	0.13	0.17	mg/Kg
50-32-8	Benzo(a)pyrene	1.60		0.030	0.13	0.17	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.70		0.029	0.13	0.17	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	1.70		0.027	0.13	0.17	mg/Kg
191-24-2	Benzo(g,h,i)perylene	1.70		0.026	0.13	0.17	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	82.1		37 - 122		82%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.1		44 - 115		82%	SPK: 100
1718-51-0	Terphenyl-d14	84.5		54 - 127		84%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	261000	7.763				
1146-65-2	Naphthalene-d8	920000	10.557				
15067-26-2	Acenaphthene-d10	574000	14.404				
1517-22-2	Phenanthrene-d10	1040000	17.151				
1719-03-5	Chrysene-d12	1010000	21.391				
1520-96-3	Perylene-d12	992000	24.391				

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

Report of Analysis

Client:	Nobis Group			Date Collected:	
Project:	Raymark Superfund Site			Date Received:	
Client Sample ID:	PB167767BS			SDG No.:	Q1883
Lab Sample ID:	PB167767BS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	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 :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050056.D	1	04/28/25 09:45	04/30/25 22:36	PB167767

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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_M\Data\BM043025\
Data File : BM050056.D
Acq On : 30 Apr 2025 22:36
Operator : RC/JU
Sample : PB167767BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Quant Time: May 01 02:20:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.763	152	260866	20.000	ng		0.00
21) Naphthalene-d8	10.557	136	920346	20.000	ng		0.00
39) Acenaphthene-d10	14.404	164	574035	20.000	ng		0.00
64) Phenanthrene-d10	17.151	188	1043099	20.000	ng		0.00
76) Chrysene-d12	21.391	240	1009737	20.000	ng		0.00
86) Perylene-d12	24.391	264	991820	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.357	112	2098207	140.843	ng		0.00
7) Phenol-d6	6.951	99	2615518	139.686	ng		0.00
23) Nitrobenzene-d5	8.922	82	1533365	82.098	ng		0.00
42) 2,4,6-Tribromophenol	15.904	330	1137256	133.986	ng		0.00
45) 2-Fluorobiphenyl	13.027	172	3983085	82.084	ng		0.00
79) Terphenyl-d14	19.780	244	5764733	84.481	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.251	88	237525	37.185	ng		98
3) Pyridine	3.651	79	678186	41.323	ng		98
4) n-Nitrosodimethylamine	3.563	42	305418	47.449	ng		98
6) Aniline	7.092	93	617055	26.098	ng		97
8) 2-Chlorophenol	7.334	128	751625	46.663	ng		97
9) Benzaldehyde	6.904	77	344655	27.506	ng		97
10) Phenol	6.975	94	928848	49.002	ng		99
11) bis(2-Chloroethyl)ether	7.187	93	711509	44.953	ng		98
12) 1,3-Dichlorobenzene	7.651	146	854098	43.896	ng		99
13) 1,4-Dichlorobenzene	7.798	146	856737	43.829	ng		100
14) 1,2-Dichlorobenzene	8.116	146	826088	43.750	ng		99
15) Benzyl Alcohol	8.010	79	605258	46.612	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.286	45	893644	46.447	ng		99
17) 2-Methylphenol	8.222	107	589021	47.170	ng		99
18) Hexachloroethane	8.839	117	308862	44.449	ng		99
19) n-Nitroso-di-n-propyla...	8.569	70	549741	45.778	ng		98
20) 3+4-Methylphenols	8.551	107	790108	46.853	ng		97
22) Acetophenone	8.586	105	1063173	46.465	ng	#	98
24) Nitrobenzene	8.963	77	768278	47.573	ng		98
25) Isophorone	9.492	82	1411637	44.339	ng		98
26) 2-Nitrophenol	9.675	139	382022	46.304	ng		97
27) 2,4-Dimethylphenol	9.745	122	646030	47.217	ng		97
28) bis(2-Chloroethoxy)met...	9.969	93	898260	45.648	ng		99
29) 2,4-Dichlorophenol	10.222	162	719948	46.970	ng		99
30) 1,2,4-Trichlorobenzene	10.422	180	845617	45.281	ng		100
31) Naphthalene	10.604	128	2110306	45.277	ng		100
32) Benzoic acid	9.916	122	383214	43.793	ng		99
33) 4-Chloroaniline	10.733	127	249272	13.048	ng		97
34) Hexachlorobutadiene	10.892	225	531684	44.852	ng		99
35) Caprolactam	11.522	113	178963	40.044	ng		91
36) 4-Chloro-3-methylphenol	11.863	107	629705	44.467	ng		97
37) 2-Methylnaphthalene	12.221	142	1385260	44.330	ng		99
38) 1-Methylnaphthalene	12.439	142	1459600	44.137	ng		100
40) 1,2,4,5-Tetrachloroben...	12.592	216	951841	47.900	ng		98
41) Hexachlorocyclopentadiene	12.574	237	1333070	109.773	ng		99
43) 2,4,6-Trichlorophenol	12.845	196	595553	47.252	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050056.D
Acq On : 30 Apr 2025 22:36
Operator : RC/JU
Sample : PB167767BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Quant Time: May 01 02:20:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

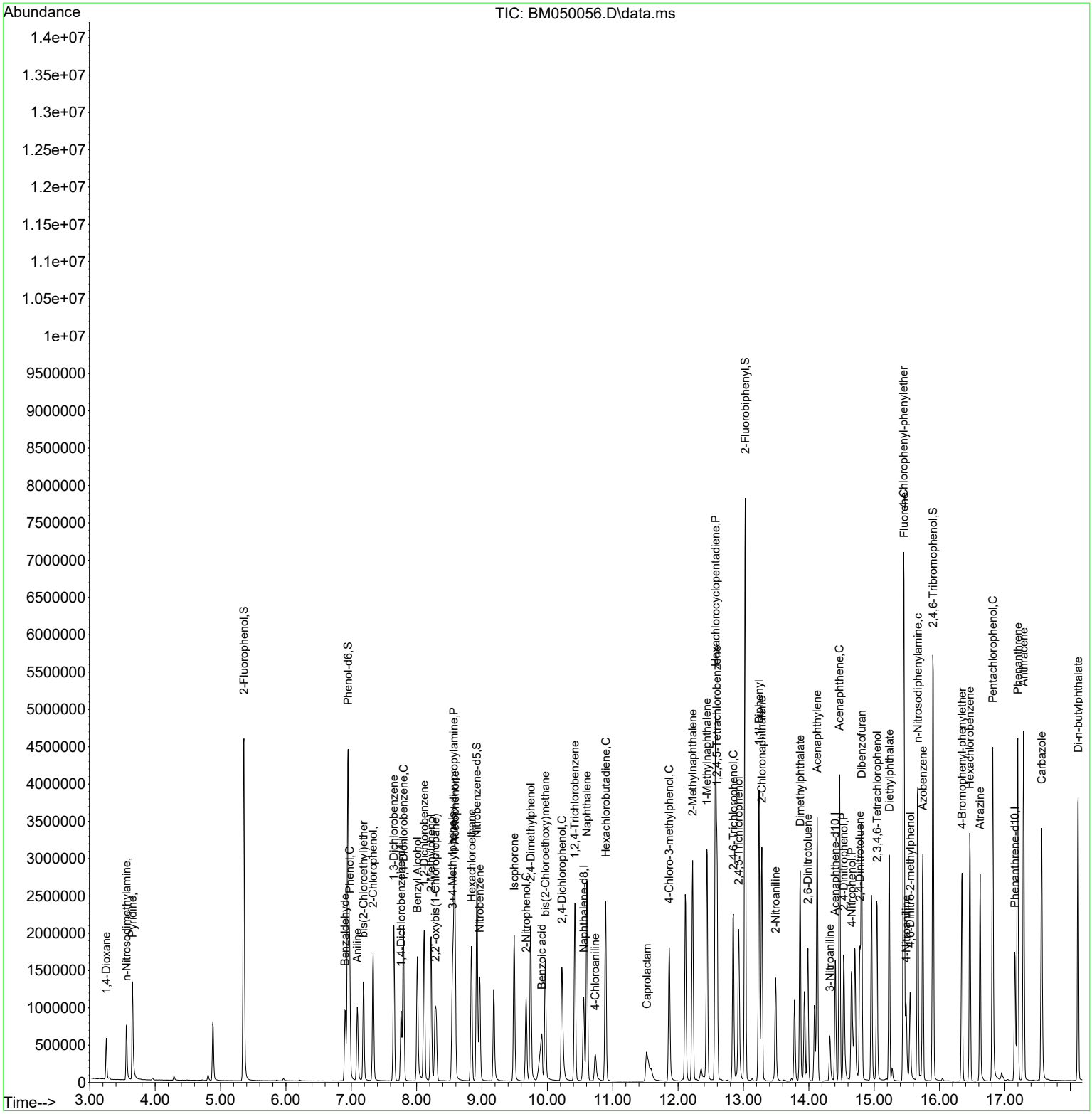
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.927	196	645088	47.463	ng	98
46) 1,1'-Biphenyl	13.239	154	2001051	46.895	ng	99
47) 2-Chloronaphthalene	13.280	162	1578759	46.715	ng	100
48) 2-Nitroaniline	13.492	65	381610	48.111	ng	94
49) Acenaphthylene	14.127	152	2446083	45.906	ng	100
50) Dimethylphthalate	13.868	163	1848756	44.069	ng	99
51) 2,6-Dinitrotoluene	13.986	165	391102	45.028	ng	94
52) Acenaphthene	14.468	154	1428392	46.311	ng	99
53) 3-Nitroaniline	14.321	138	168224	20.286	ng	96
54) 2,4-Dinitrophenol	14.533	184	462686	83.005	ng	94
55) Dibenzofuran	14.810	168	2314511	45.103	ng	99
56) 4-Nitrophenol	14.657	139	591638	87.262	ng	95
57) 2,4-Dinitrotoluene	14.780	165	546027	45.495	ng	98
58) Fluorene	15.457	166	1957695	46.608	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.045	232	525931	44.704	ng	99
60) Diethylphthalate	15.233	149	1728526	43.728	ng	99
61) 4-Chlorophenyl-phenyle...	15.451	204	1073517	46.531	ng	100
62) 4-Nitroaniline	15.492	138	334232	41.776	ng	97
63) Azobenzene	15.745	77	1570210	47.397	ng	99
65) 4,6-Dinitro-2-methylph...	15.551	198	296541	45.416	ng	94
66) n-Nitrosodiphenylamine	15.668	169	1568744	48.976	ng	99
67) 4-Bromophenyl-phenylether	16.345	248	598749	47.467	ng	98
68) Hexachlorobenzene	16.462	284	687532	47.285	ng	99
69) Atrazine	16.621	200	535442	46.343	ng	100
70) Pentachlorophenol	16.815	266	898093	109.731	ng	99
71) Phenanthrene	17.198	178	2812828	47.811	ng	99
72) Anthracene	17.286	178	2854263	47.941	ng	99
73) Carbazole	17.562	167	2385066	46.165	ng	100
74) Di-n-butylphthalate	18.121	149	2828360	45.971	ng	100
75) Fluoranthene	19.215	202	3152095	45.635	ng	100
77) Benzidine	19.403	184	1014430	28.283	ng	100
78) Pyrene	19.574	202	3260859	45.988	ng	100
80) Butylbenzylphthalate	20.468	149	1187182	44.703	ng	91
81) Benzo(a)anthracene	21.374	228	3291107	47.331	ng	100
82) 3,3'-Dichlorobenzidine	21.297	252	595613	22.376	ng	99
83) Chrysene	21.439	228	3026421	47.027	ng	99
84) Bis(2-ethylhexyl)phtha...	21.291	149	1774890	44.744	ng	99
85) Di-n-octyl phthalate	22.421	149	2943736	44.999	ng	98
87) Indeno(1,2,3-cd)pyrene	27.785	276	3802462	51.452	ng	99
88) Benzo(b)fluoranthene	23.444	252	3072621	47.637	ng	99
89) Benzo(k)fluoranthene	23.503	252	3071354	47.074	ng	99
90) Benzo(a)pyrene	24.250	252	2881740	47.701	ng	99
91) Dibenzo(a,h)anthracene	27.826	278	3128406	51.930	ng	99
92) Benzo(g,h,i)perylene	28.838	276	2984145	51.741	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050056.D
Acq On : 30 Apr 2025 22:36
Operator : RC/JU
Sample : PB167767BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Quant Time: May 01 02:20:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



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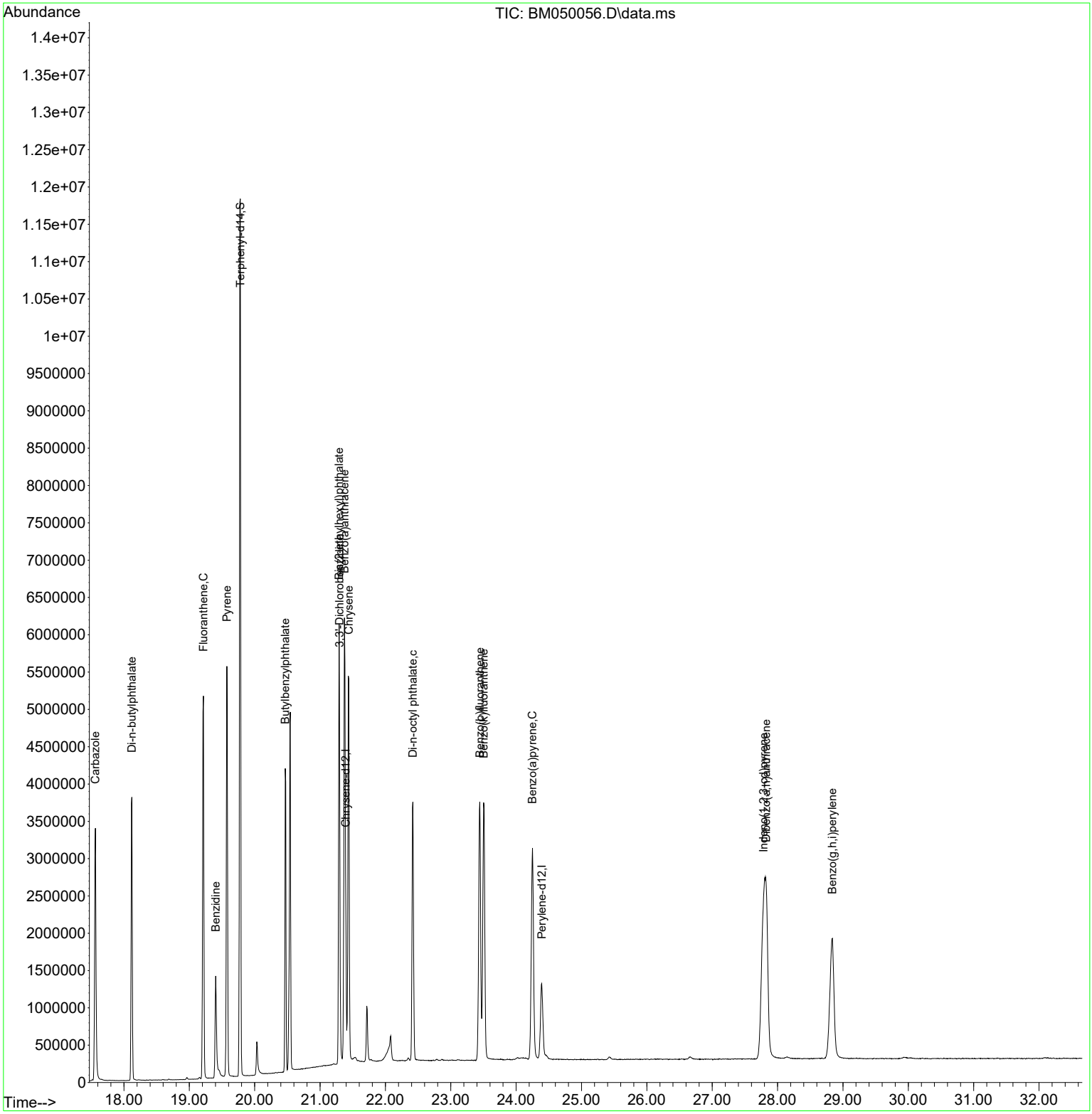
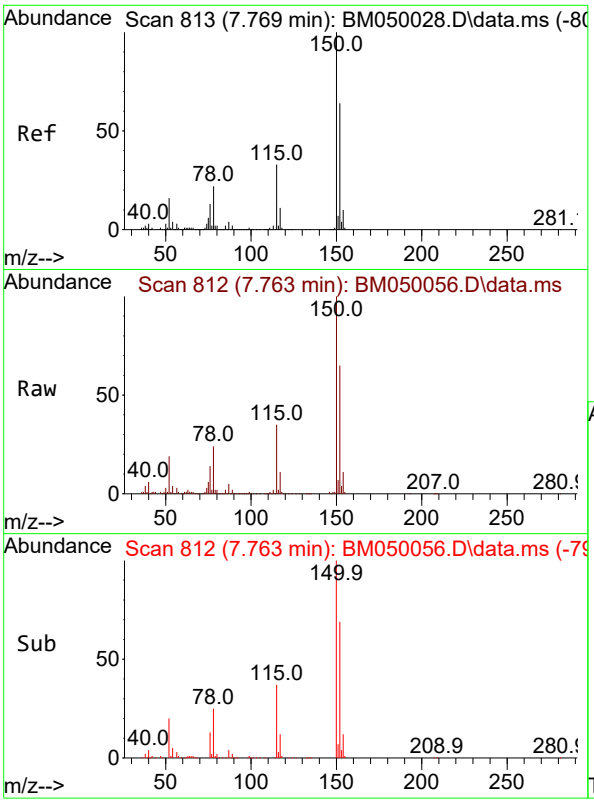
Acq On : 30 Apr 2025 22:36
Operator : RC/JU
Sample : PB167767BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Quant Time: May 01 02:20:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



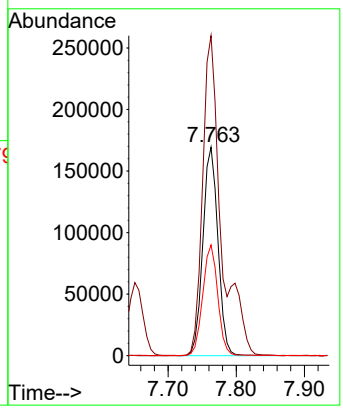


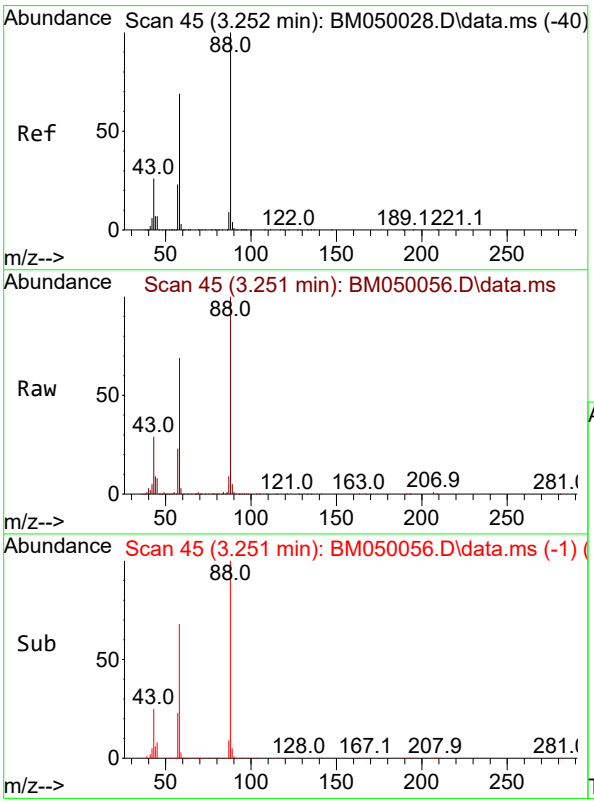
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion:152 Resp: 260866

Ion	Ratio	Lower	Upper
152	100		
150	153.5	124.1	186.1
115	53.1	41.2	61.8

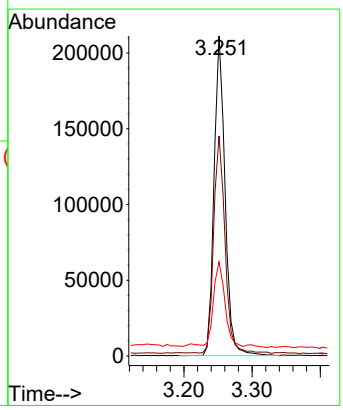


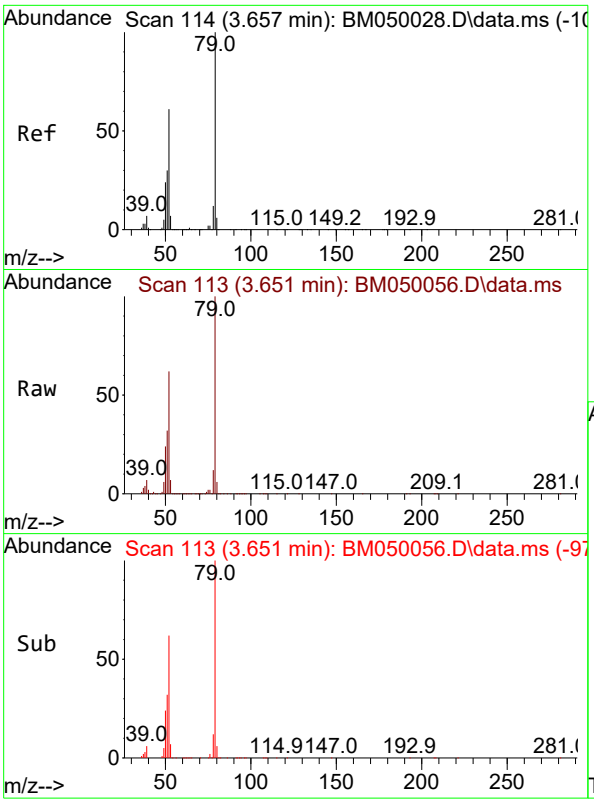


#2
1,4-Dioxane
Concen: 37.185 ng
RT: 3.251 min Scan# 45
Delta R.T. -0.000 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion: 88 Resp: 237525

Ion	Ratio	Lower	Upper
88	100		
58	70.1	55.1	82.7
43	27.6	20.9	31.3



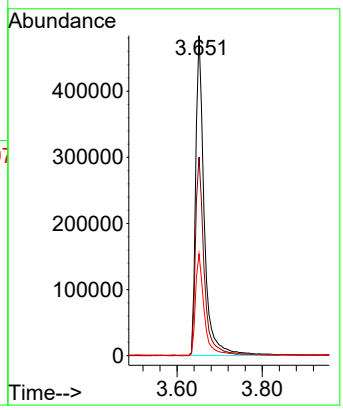


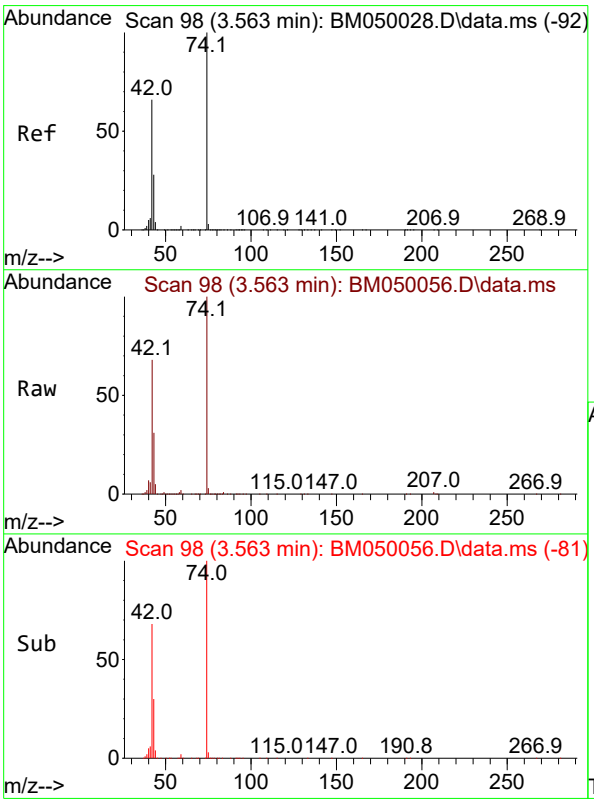
#3
Pyridine
Concen: 41.323 ng
RT: 3.651 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion: 79 Resp: 678186

Ion	Ratio	Lower	Upper
79	100		
52	62.0	48.6	72.8
51	31.8	24.6	37.0

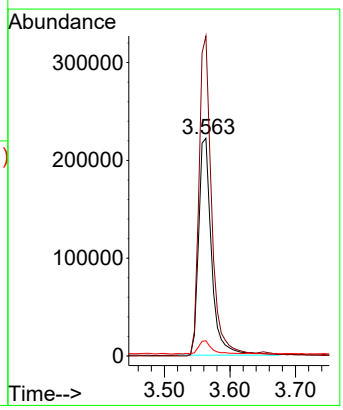


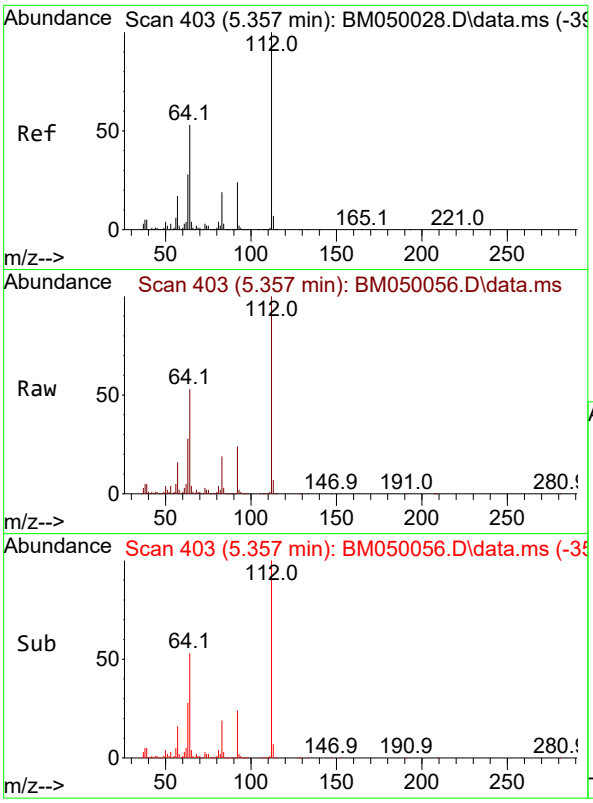


#4
n-Nitrosodimethylamine
Concen: 47.449 ng
RT: 3.563 min Scan# 98
Delta R.T. -0.000 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion: 42 Resp: 305418

Ion	Ratio	Lower	Upper
42	100		
74	147.1	120.2	180.2
44	7.0	6.2	9.2



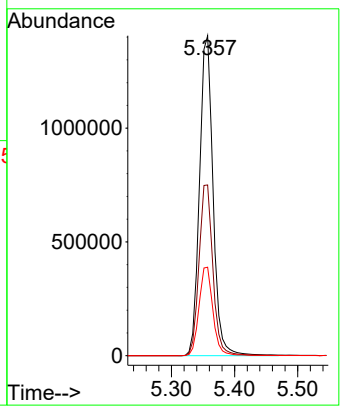


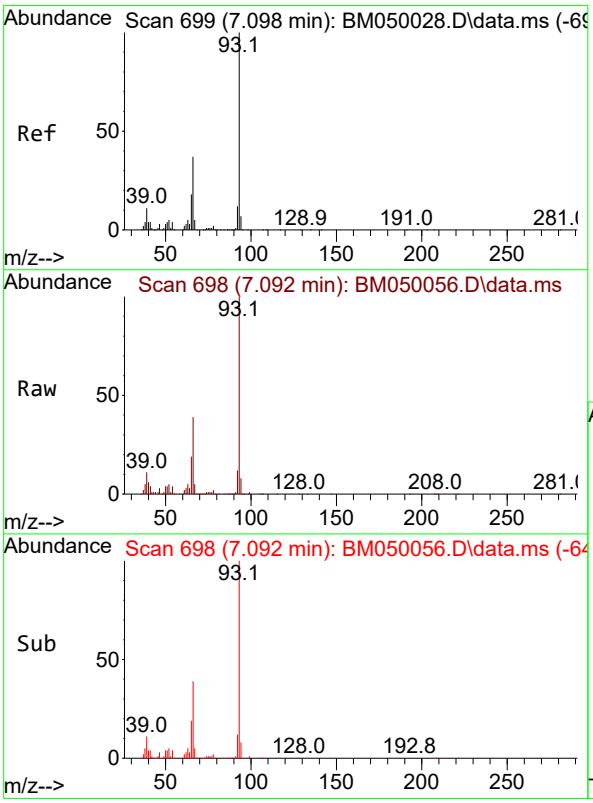
#5
2-Fluorophenol
Concen: 140.843 ng
RT: 5.357 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion:112 Resp: 2098207

Ion	Ratio	Lower	Upper
112	100		
64	53.4	42.6	64.0
63	27.6	22.2	33.4

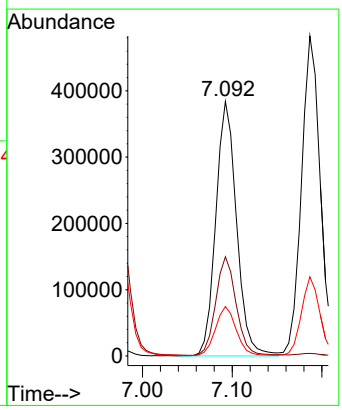


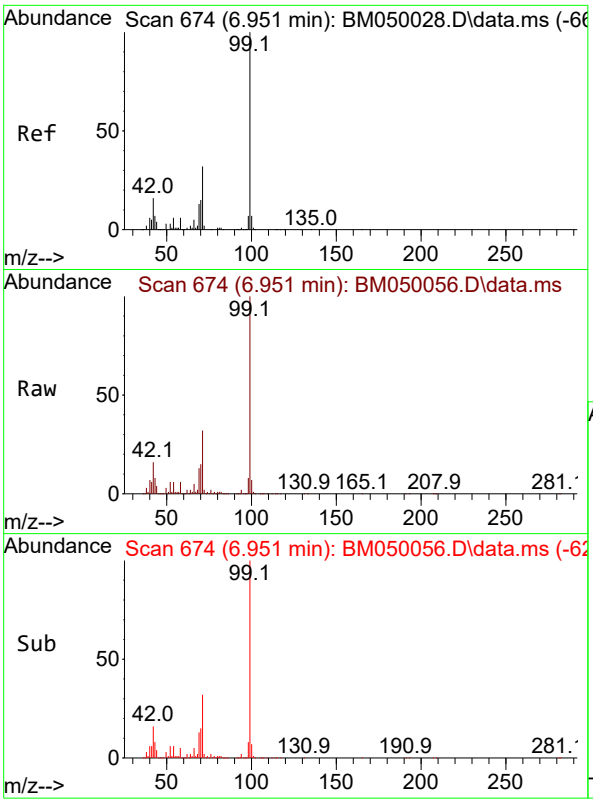


#6
Aniline
Concen: 26.098 ng
RT: 7.092 min Scan# 698
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion: 93 Resp: 617055

Ion	Ratio	Lower	Upper
93	100		
66	39.0	29.9	44.9
65	19.4	14.5	21.7



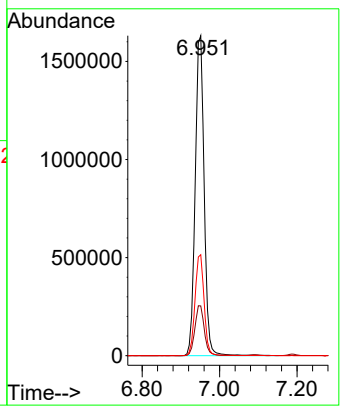


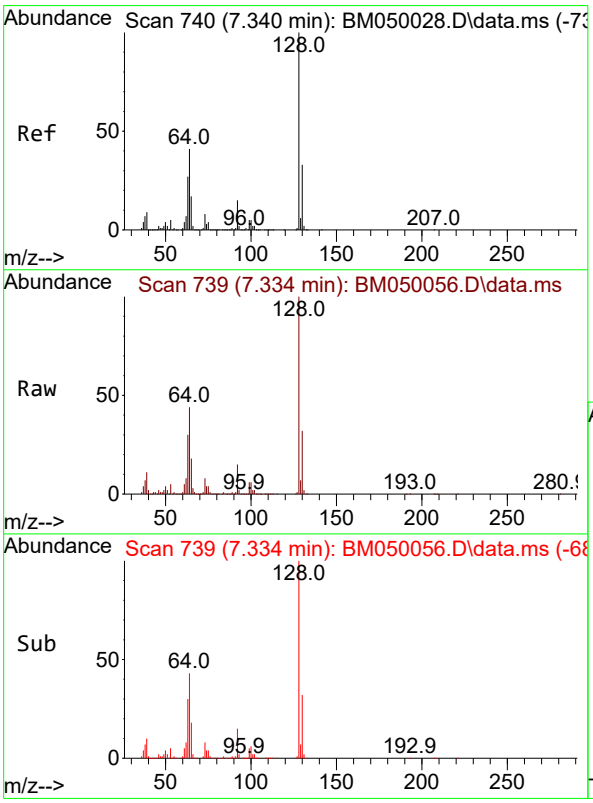
#7
Phenol-d6
Concen: 139.686 ng
RT: 6.951 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion: 99 Resp: 2615518

Ion	Ratio	Lower	Upper
99	100		
42	15.5	13.0	19.4
71	31.5	25.6	38.4

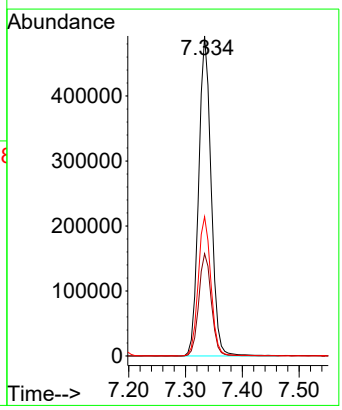


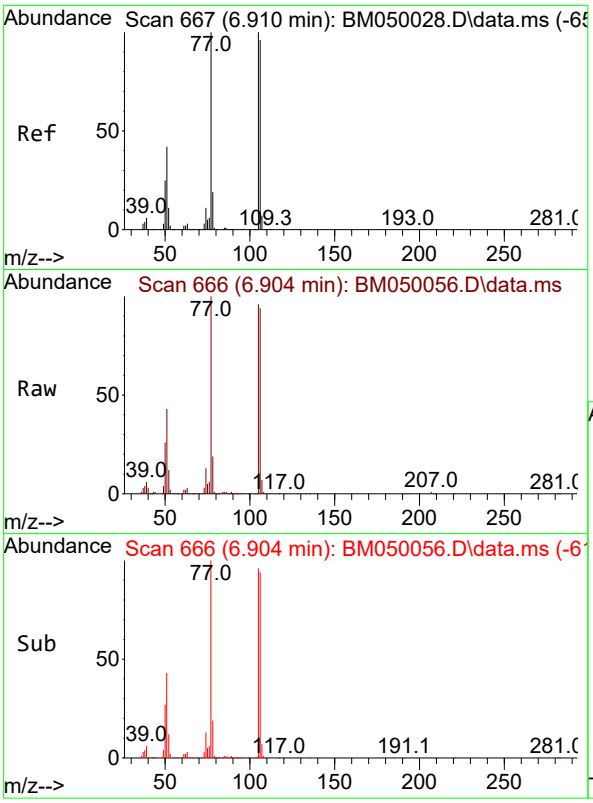


#8
2-Chlorophenol
Concen: 46.663 ng
RT: 7.334 min Scan# 739
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:128 Resp: 751625

Ion	Ratio	Lower	Upper
128	100		
130	31.9	12.8	52.8
64	43.5	21.2	61.2



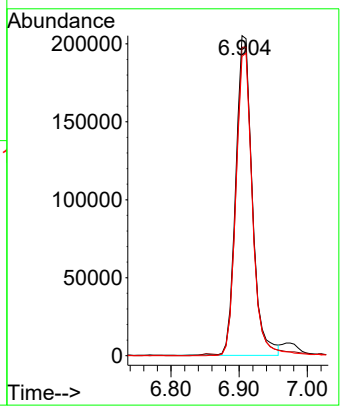


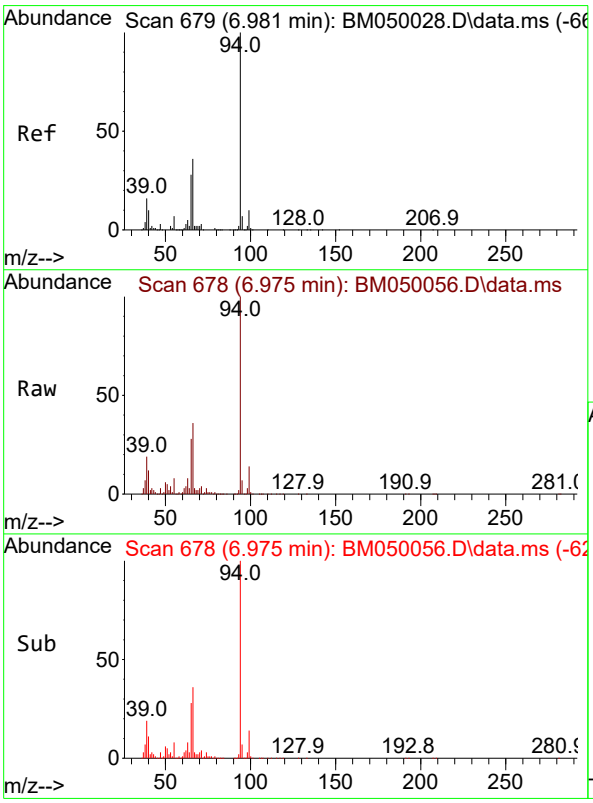
#9
Benzaldehyde
Concen: 27.506 ng
RT: 6.904 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion: 77 Resp: 344655

Ion	Ratio	Lower	Upper
77	100		
105	96.4	80.5	120.5
106	93.5	76.1	116.1

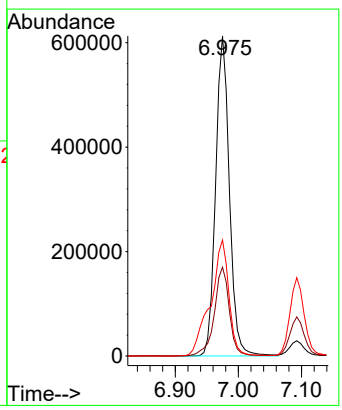


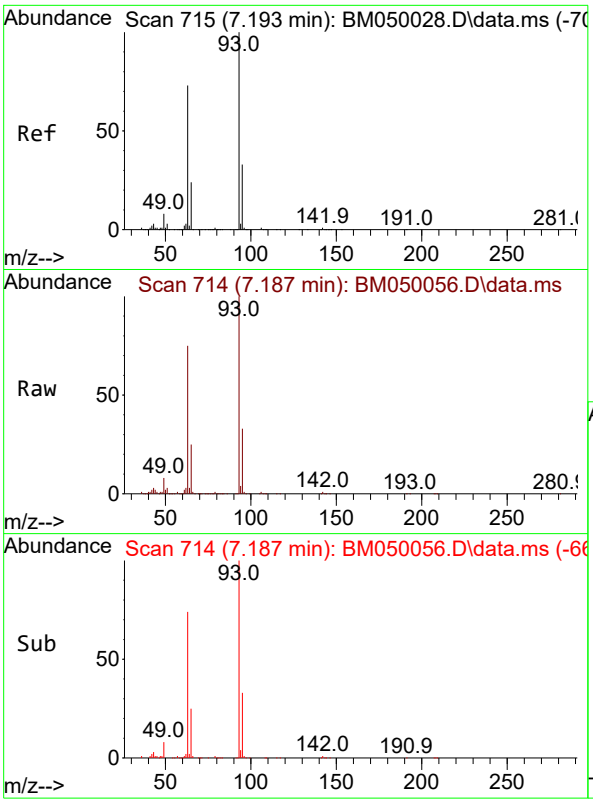


#10
Phenol
Concen: 49.002 ng
RT: 6.975 min Scan# 678
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion: 94 Resp: 928848

Ion	Ratio	Lower	Upper
94	100		
65	27.7	7.6	47.6
66	36.3	15.8	55.8



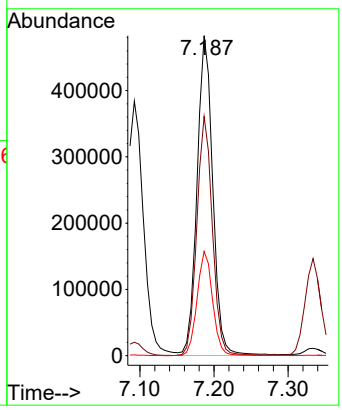


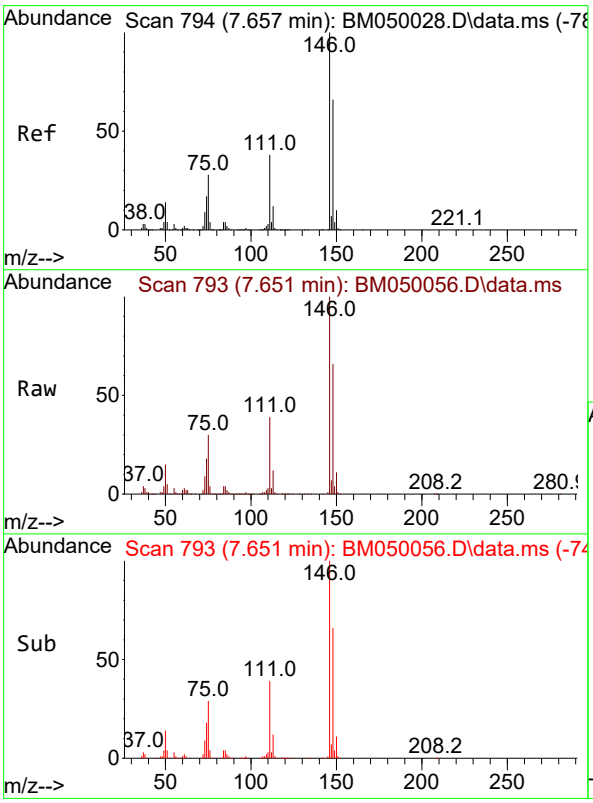
#11
bis(2-Chloroethyl)ether
Concen: 44.953 ng
RT: 7.187 min Scan# 7
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion: 93 Resp: 711509

Ion	Ratio	Lower	Upper
93	100		
63	74.8	52.3	92.3
95	32.6	12.8	52.8

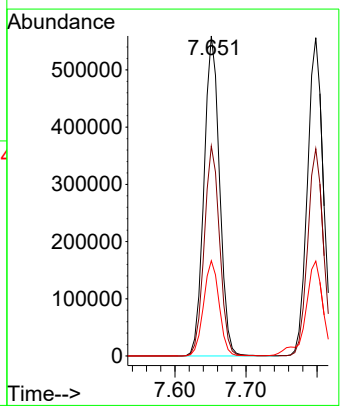


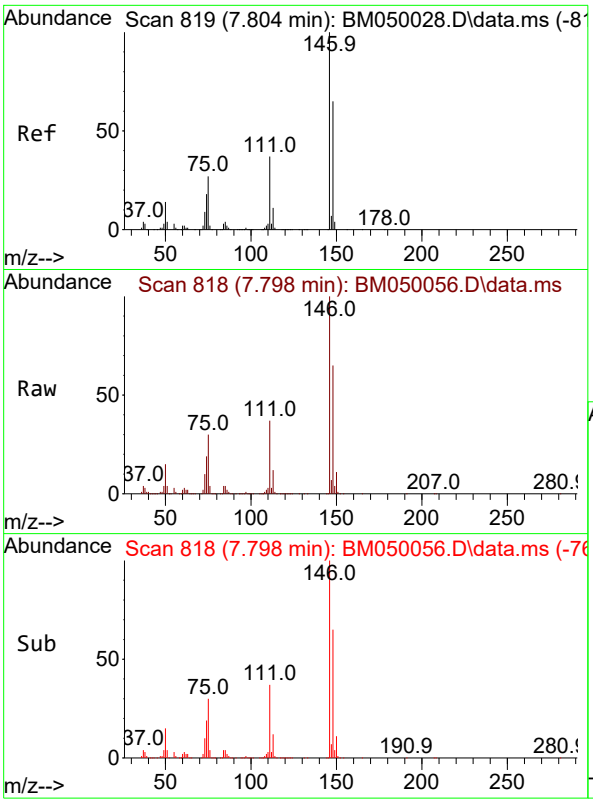


#12
1,3-Dichlorobenzene
Concen: 43.896 ng
RT: 7.651 min Scan# 793
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:146 Resp: 854098

Ion	Ratio	Lower	Upper
146	100		
148	65.6	52.5	78.7
75	29.7	22.6	34.0



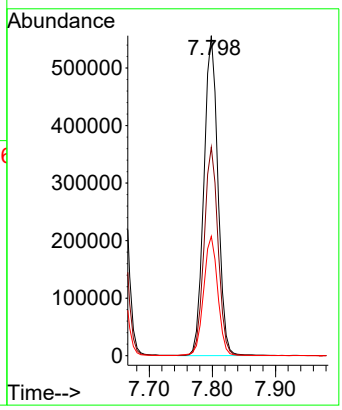


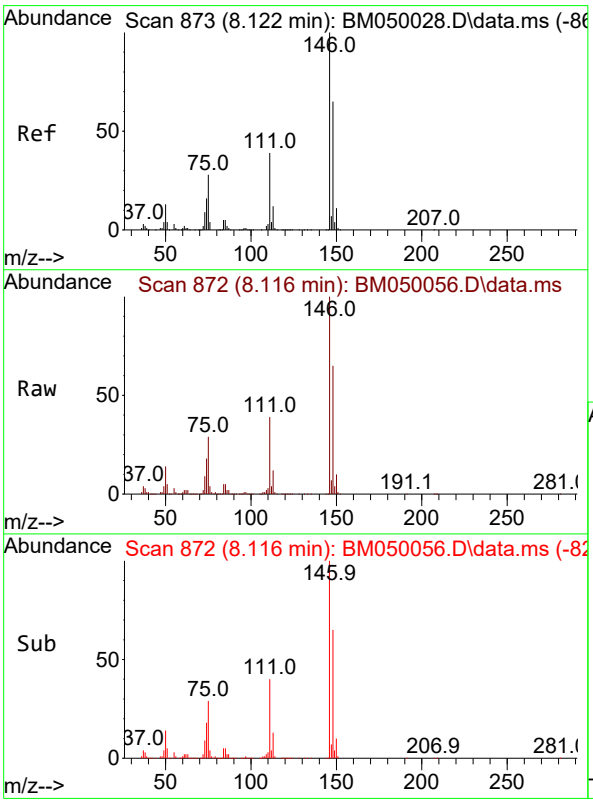
#13
1,4-Dichlorobenzene
Concen: 43.829 ng
RT: 7.798 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion:146 Resp: 856737

Ion	Ratio	Lower	Upper
146	100		
148	65.1	52.2	78.2
111	37.3	29.3	43.9

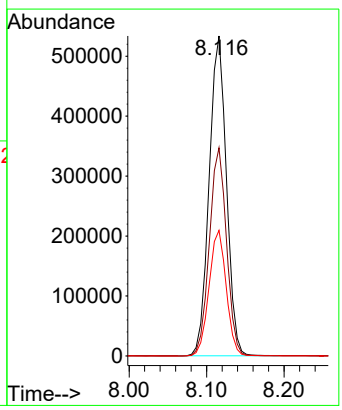


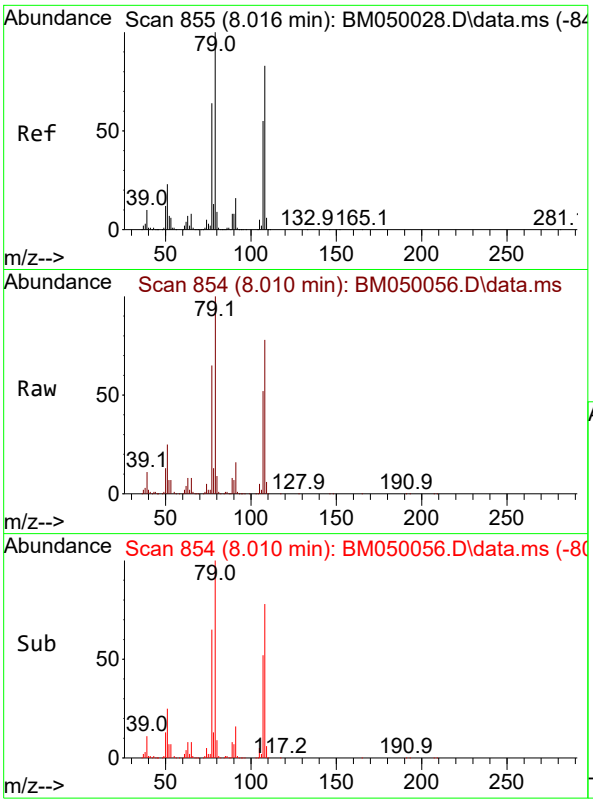


#14
1,2-Dichlorobenzene
Concen: 43.750 ng
RT: 8.116 min Scan# 872
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:146 Resp: 826088

Ion	Ratio	Lower	Upper
146	100		
148	65.0	52.4	78.6
111	39.3	31.0	46.6



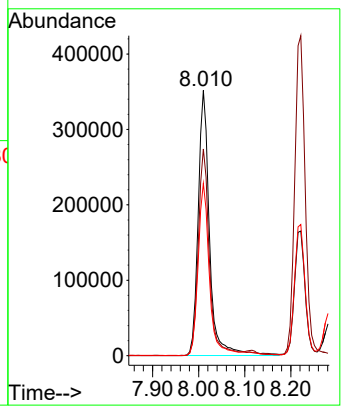


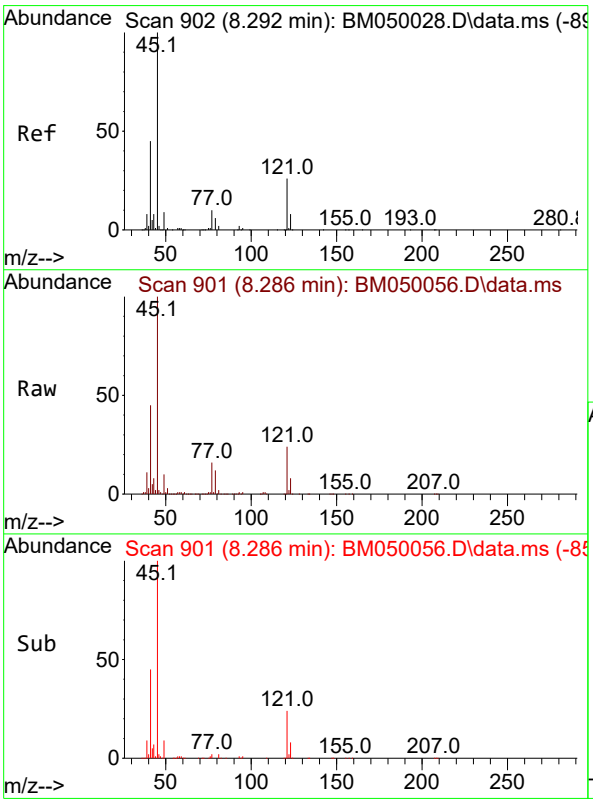
#15
Benzyl Alcohol
Concen: 46.612 ng
RT: 8.010 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion: 79 Resp: 605258

Ion	Ratio	Lower	Upper
79	100		
108	77.9	66.0	99.0
77	64.9	51.6	77.4

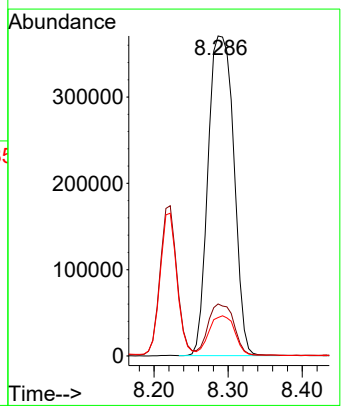


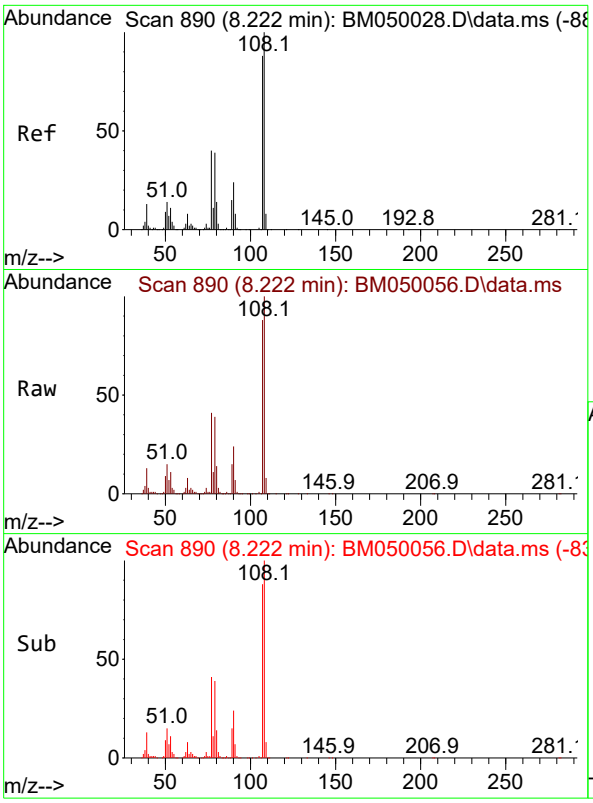


#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.447 ng
RT: 8.286 min Scan# 901
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion: 45 Resp: 893644

Ion	Ratio	Lower	Upper
45	100		
77	16.3	0.0	36.4
79	12.0	0.0	32.7



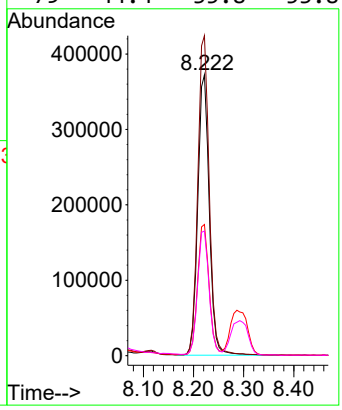


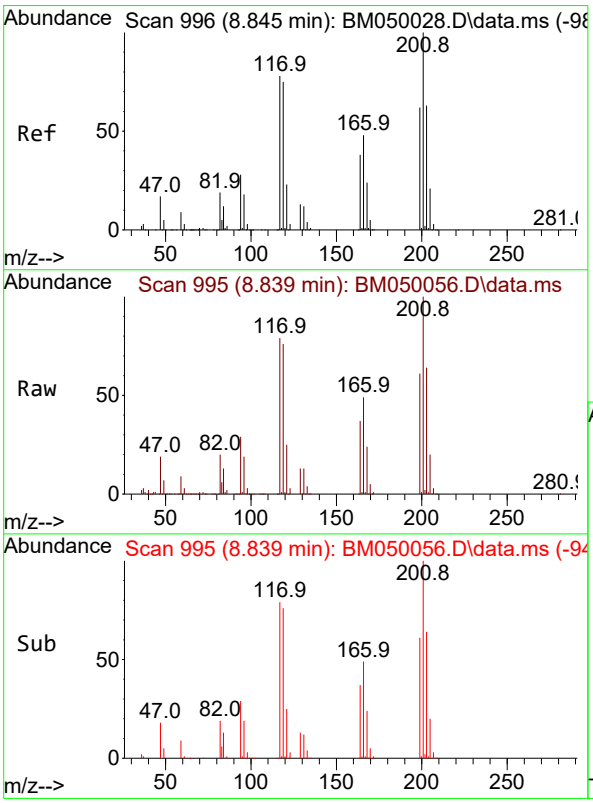
#17
2-Methylphenol
Concen: 47.170 ng
RT: 8.222 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion:107 Resp: 589021

Ion	Ratio	Lower	Upper
107	100		
108	113.9	91.1	136.7
77	46.7	36.2	54.4
79	44.4	35.8	53.8

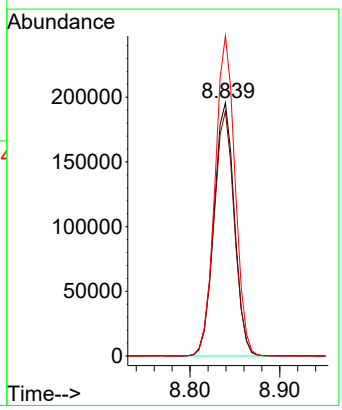


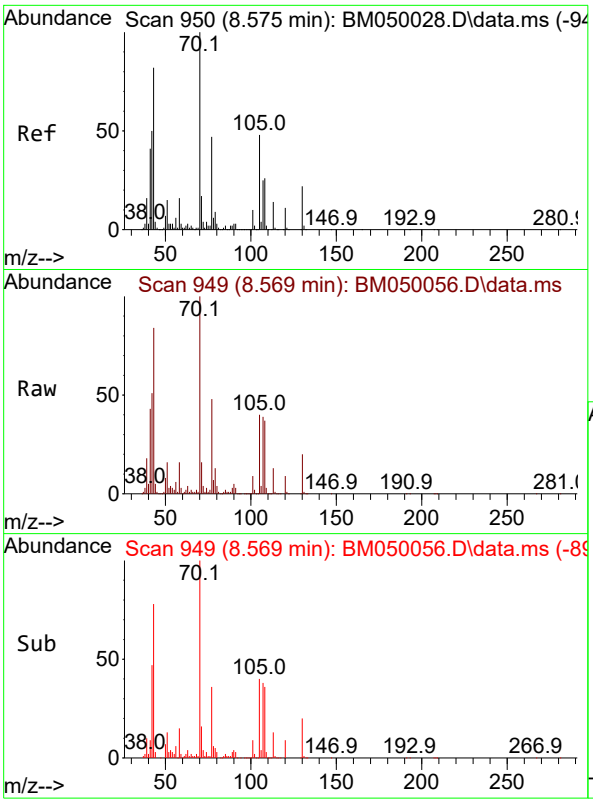


#18
Hexachloroethane
Concen: 44.449 ng
RT: 8.839 min Scan# 995
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:117 Resp: 308862

Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.3	115.9
201	126.4	102.8	154.2



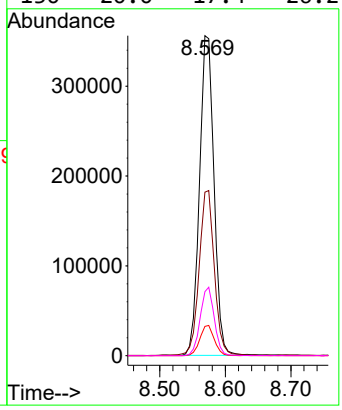


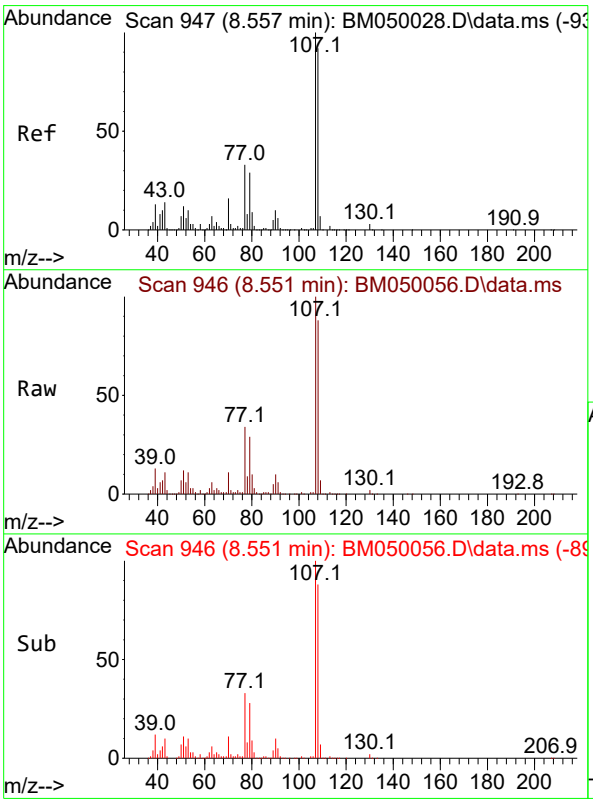
#19
n-Nitroso-di-n-propylamine
Concen: 45.778 ng
RT: 8.569 min Scan# 94
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion: 70 Resp: 549741

Ion	Ratio	Lower	Upper
70	100		
42	51.1	40.5	60.7
101	9.1	7.8	11.6
130	20.0	17.4	26.2

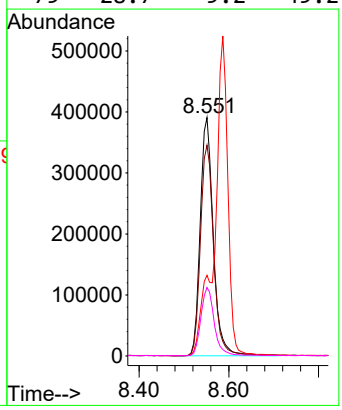


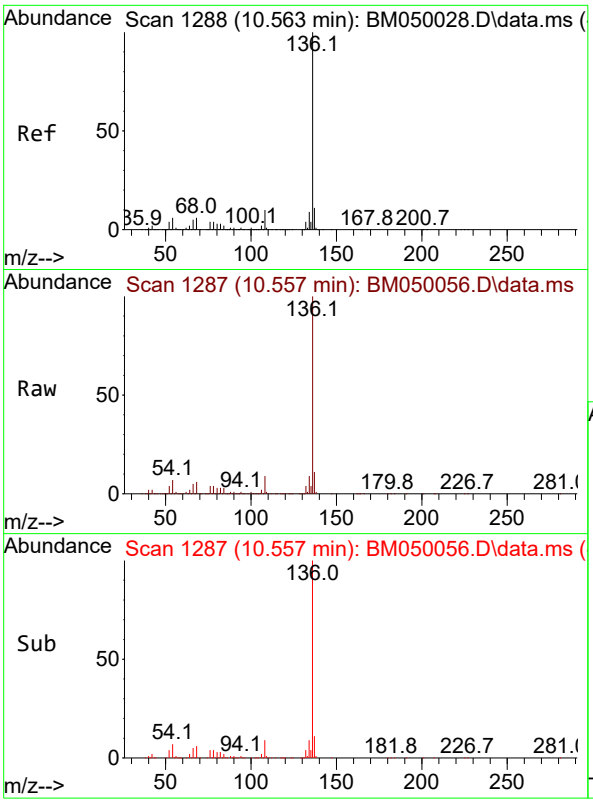


#20
3+4-Methylphenols
Concen: 46.853 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:107 Resp: 790108

Ion	Ratio	Lower	Upper
107	100		
108	88.4	72.4	112.4
77	33.8	13.6	53.6
79	28.7	9.2	49.2



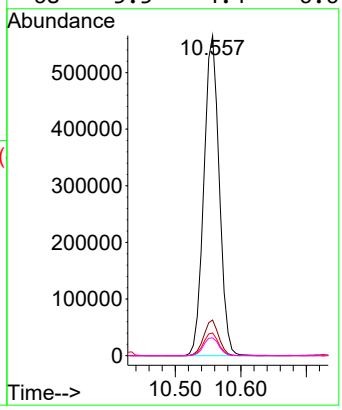


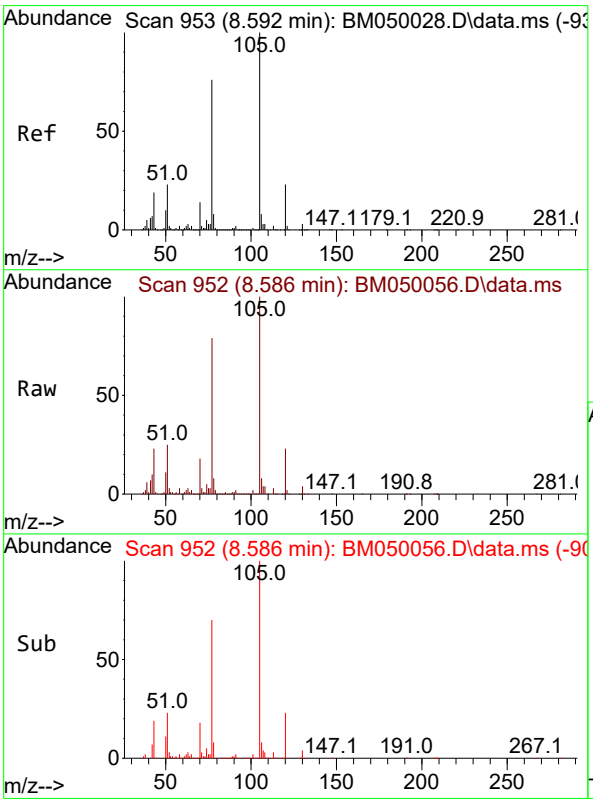
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion:136 Resp: 920346

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.1	5.1	7.7
68	5.5	4.4	6.6

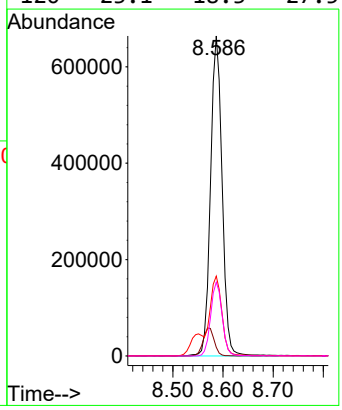


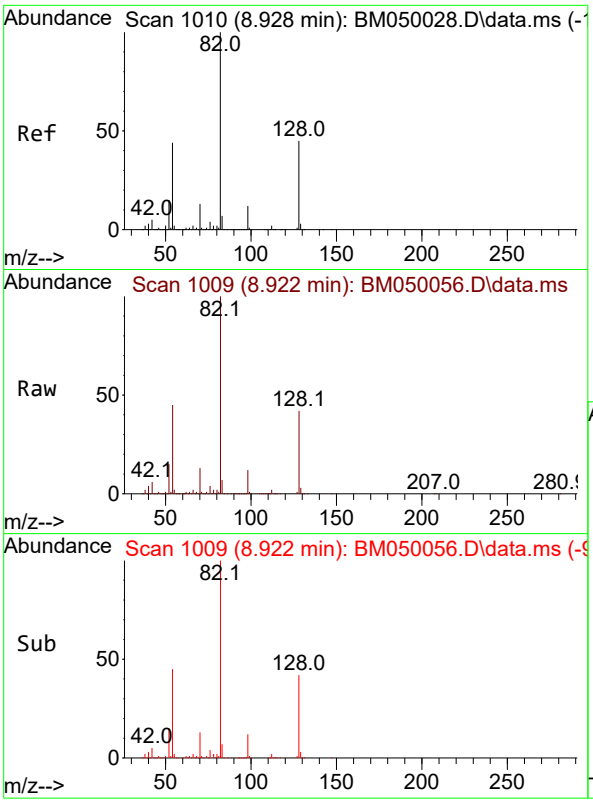


#22
Acetophenone
Concen: 46.465 ng
RT: 8.586 min Scan# 952
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:105 Resp: 1063173

Ion	Ratio	Lower	Upper
105	100		
71	2.7	1.7	2.5#
51	24.9	18.6	27.8
120	23.1	18.3	27.5



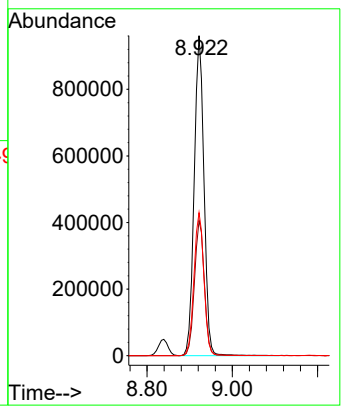


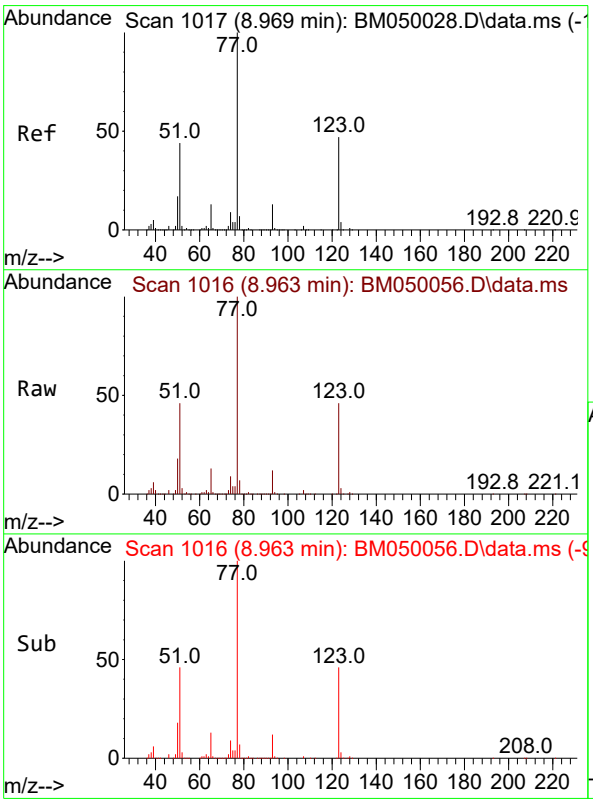
#23
Nitrobenzene-d5
Concen: 82.098 ng
RT: 8.922 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion: 82 Resp: 1533365

Ion	Ratio	Lower	Upper
82	100		
128	42.3	35.7	53.5
54	44.7	35.4	53.2

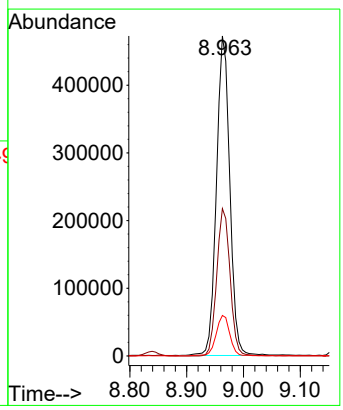


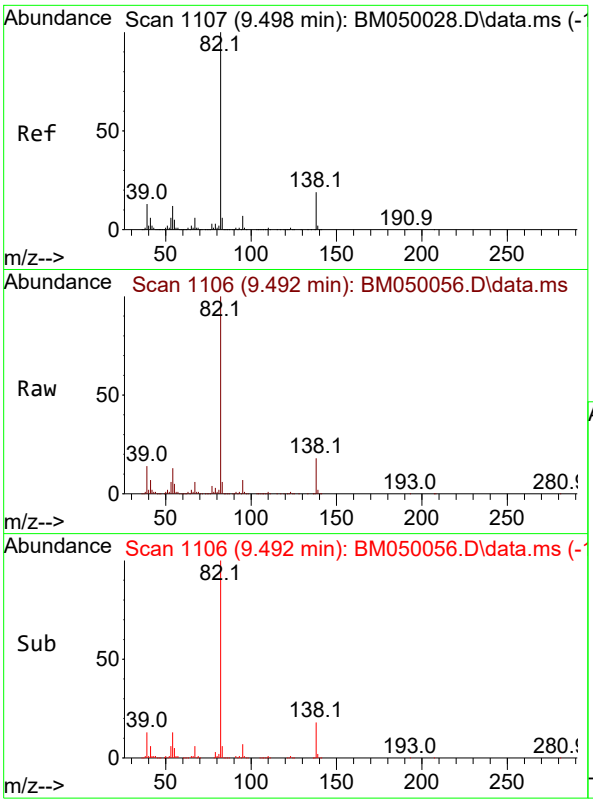


#24
Nitrobenzene
Concen: 47.573 ng
RT: 8.963 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion: 77 Resp: 768278

Ion	Ratio	Lower	Upper
77	100		
123	46.0	37.9	56.9
65	12.6	10.1	15.1



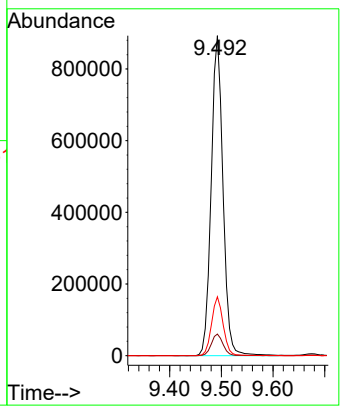


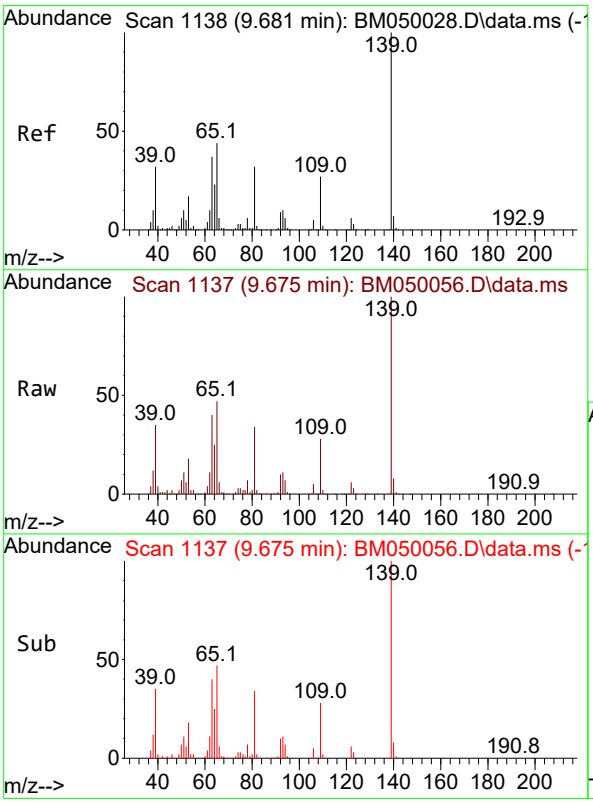
#25
Isophorone
Concen: 44.339 ng
RT: 9.492 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion: 82 Resp: 1411637

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.7	8.5
138	18.4	15.5	23.3

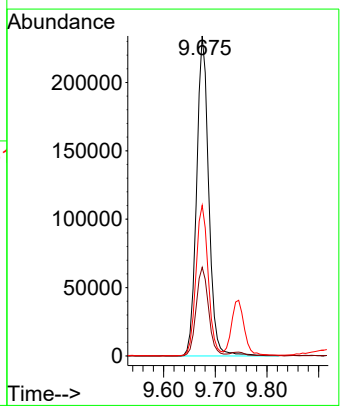


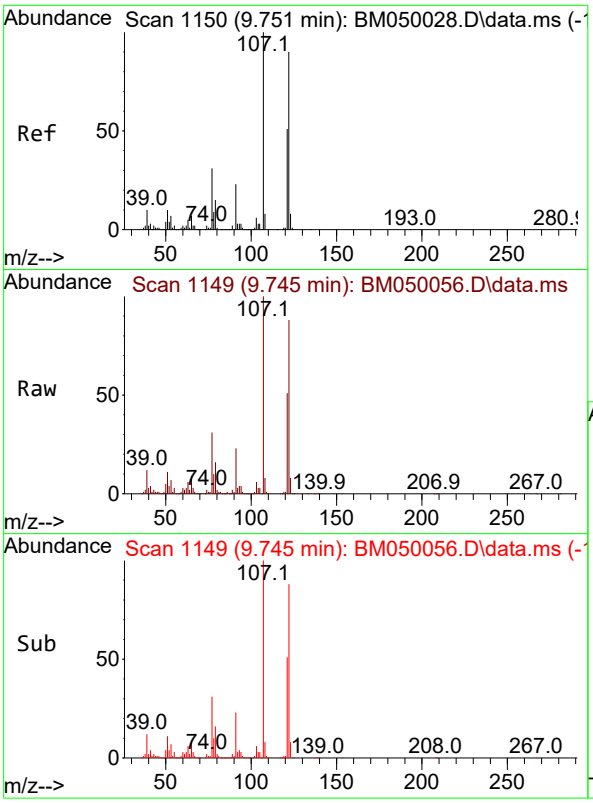


#26
2-Nitrophenol
Concen: 46.304 ng
RT: 9.675 min Scan# 1137
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:139 Resp: 382022

Ion	Ratio	Lower	Upper
139	100		
109	27.7	21.9	32.9
65	47.0	35.4	53.2



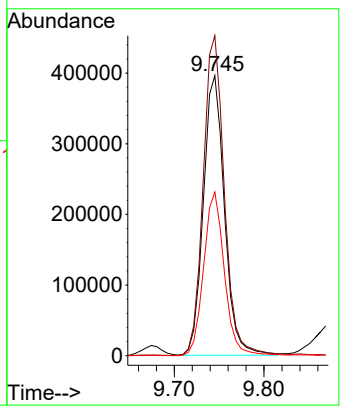


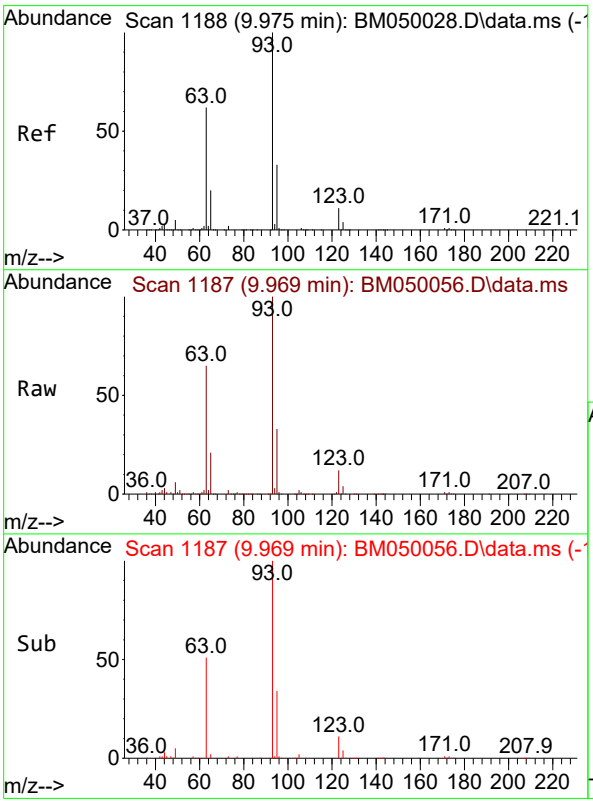
#27
2,4-Dimethylphenol
Concen: 47.217 ng
RT: 9.745 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion:122 Resp: 646030

Ion	Ratio	Lower	Upper
122	100		
107	114.3	89.0	133.6
121	58.5	45.6	68.4

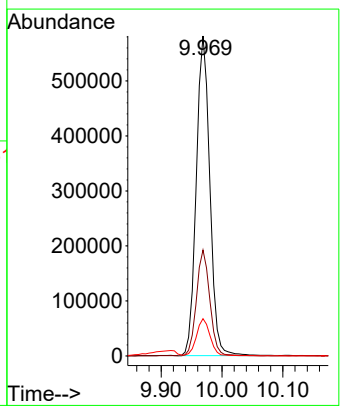


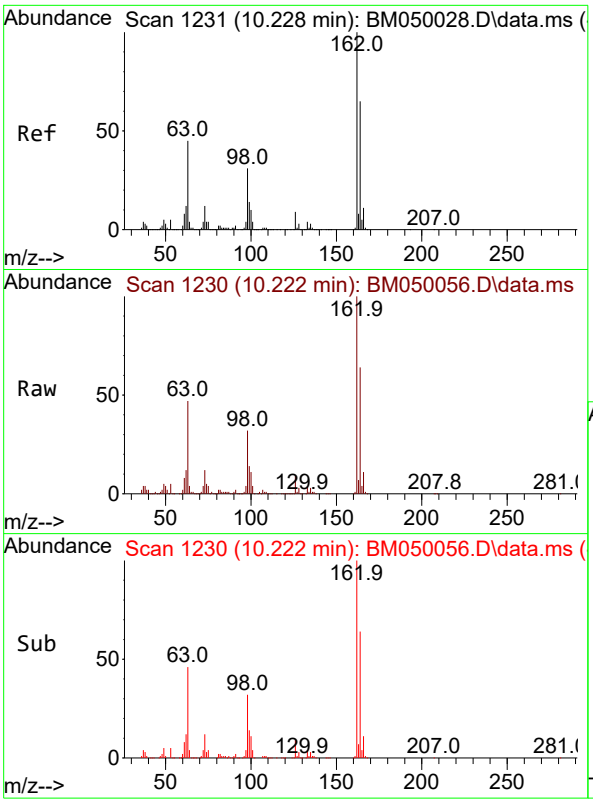


#28
bis(2-Chloroethoxy)methane
Concen: 45.648 ng
RT: 9.969 min Scan# 1187
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion: 93 Resp: 898260

Ion	Ratio	Lower	Upper
93	100		
95	33.1	26.1	39.1
123	11.6	9.5	14.3



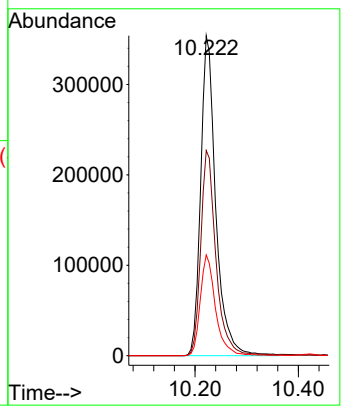


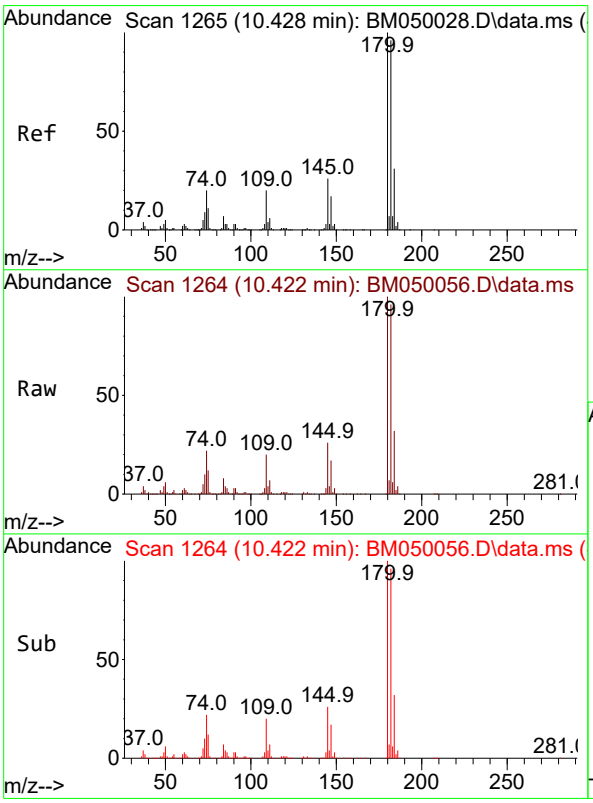
#29
2,4-Dichlorophenol
Concen: 46.970 ng
RT: 10.222 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion:162 Resp: 719948

Ion	Ratio	Lower	Upper
162	100		
164	64.1	45.4	85.4
98	31.5	11.3	51.3

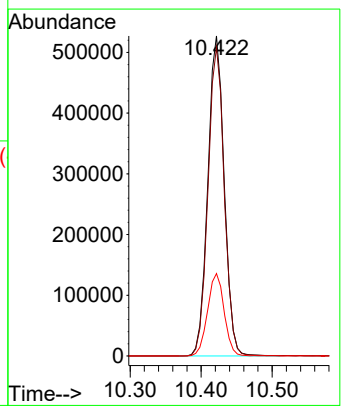


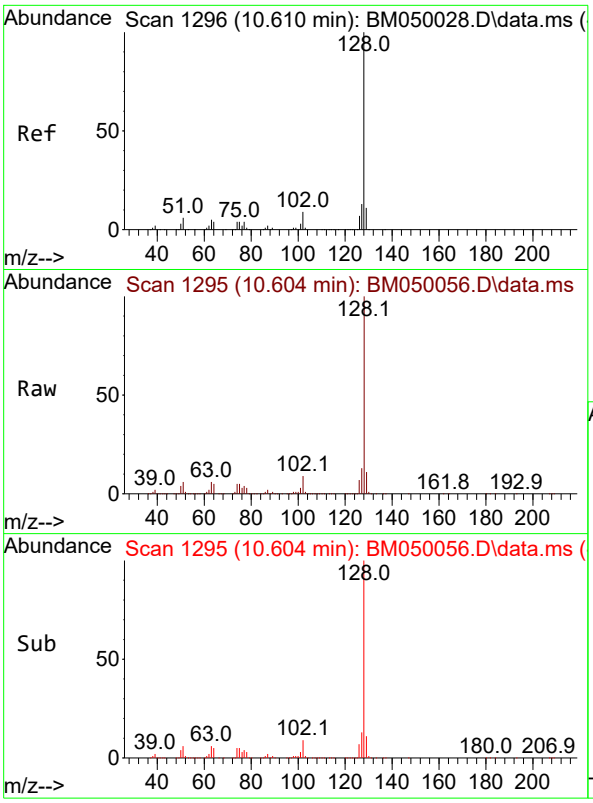


#30
1,2,4-Trichlorobenzene
Concen: 45.281 ng
RT: 10.422 min Scan# 1264
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:180 Resp: 845617

Ion	Ratio	Lower	Upper
180	100		
182	96.4	77.0	115.4
145	25.8	20.6	30.8



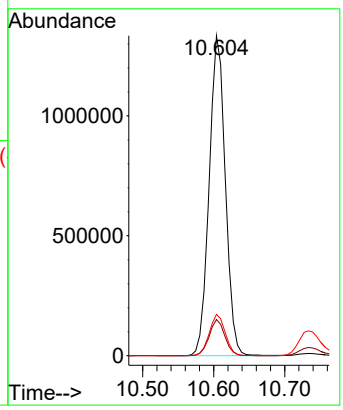


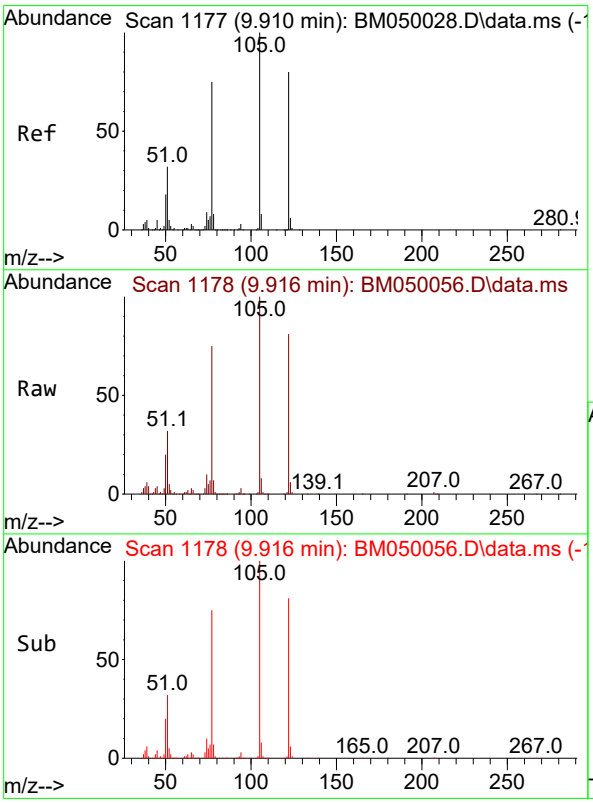
#31
Naphthalene
Concen: 45.277 ng
RT: 10.604 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion:128 Resp: 2110306

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2
127	12.9	10.4	15.6

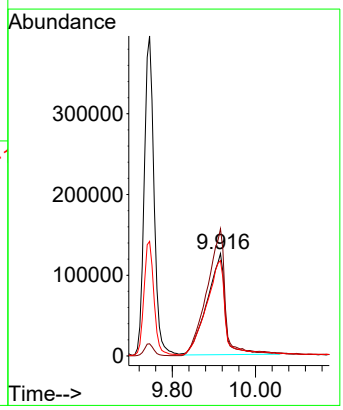


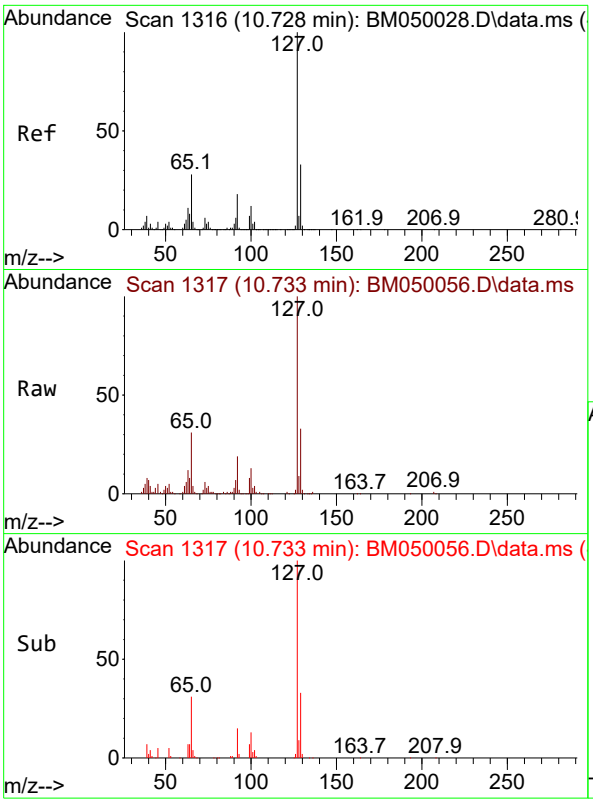


#32
Benzoic acid
Concen: 43.793 ng
RT: 9.916 min Scan# 1178
Delta R.T. 0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:122 Resp: 383214

Ion	Ratio	Lower	Upper
122	100		
105	124.2	103.6	143.6
77	93.1	73.7	113.7



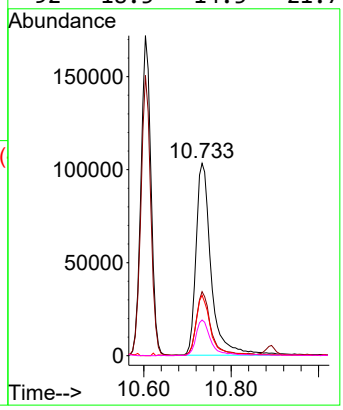


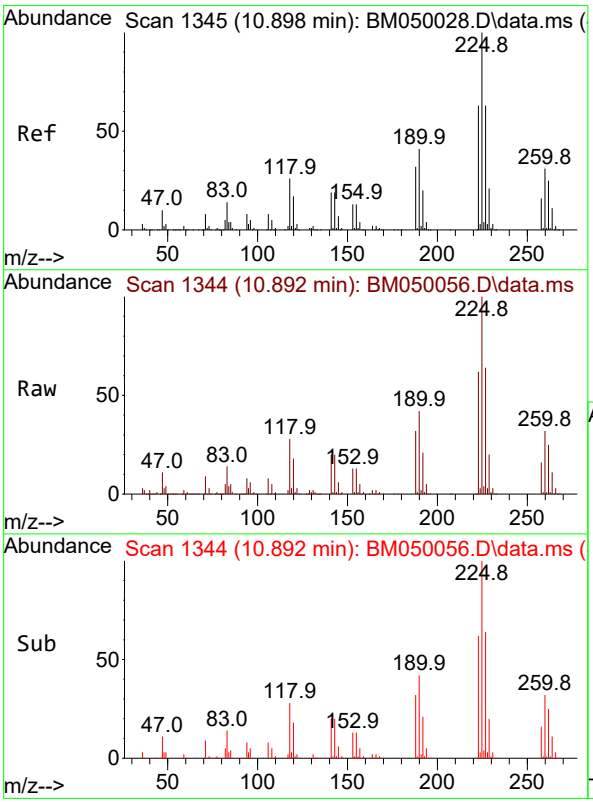
#33
4-Chloroaniline
Concen: 13.048 ng
RT: 10.733 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion:127 Resp: 249272

Ion	Ratio	Lower	Upper
127	100		
129	33.3	26.3	39.5
65	31.4	22.5	33.7
92	18.5	14.5	21.7

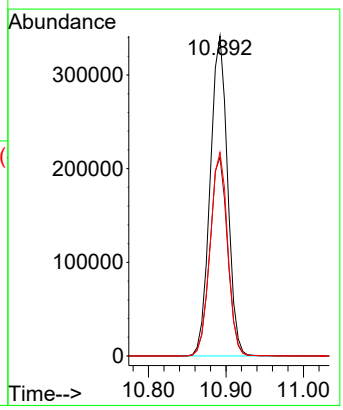


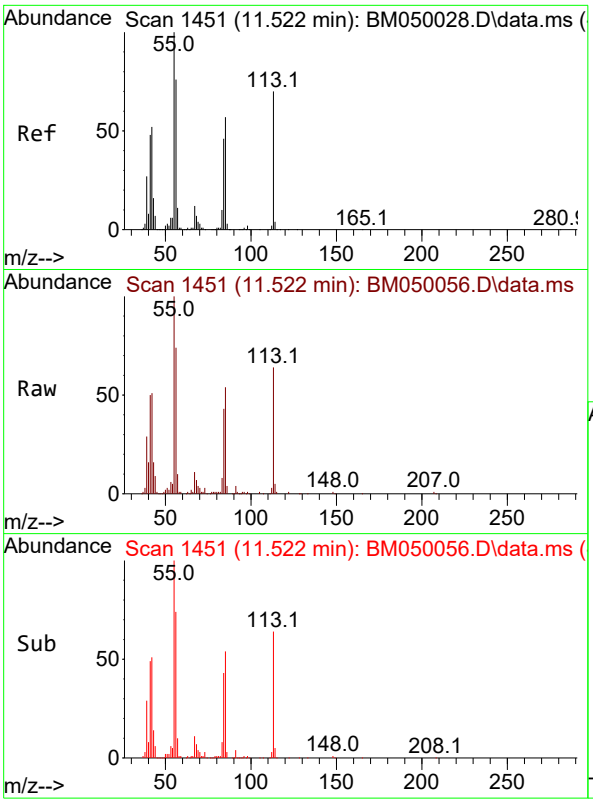


#34
Hexachlorobutadiene
Concen: 44.852 ng
RT: 10.892 min Scan# 1344
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:225 Resp: 531684

Ion	Ratio	Lower	Upper
225	100		
223	62.1	50.2	75.2
227	63.6	50.6	76.0



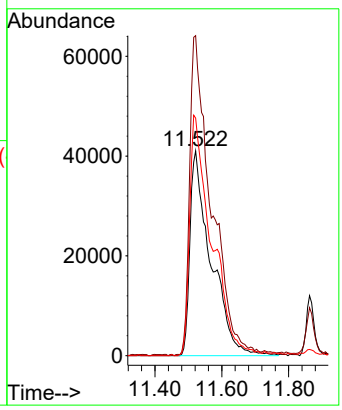


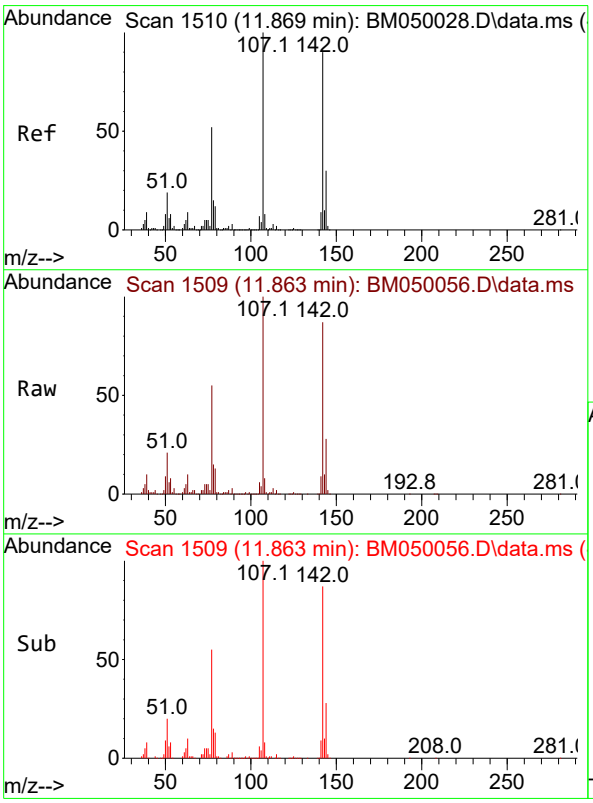
#35
Caprolactam
Concen: 40.044 ng
RT: 11.522 min Scan# 14
Delta R.T. -0.000 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion:113 Resp: 178963

Ion	Ratio	Lower	Upper
113	100		
55	156.3	122.9	162.9
56	116.0	88.1	128.1

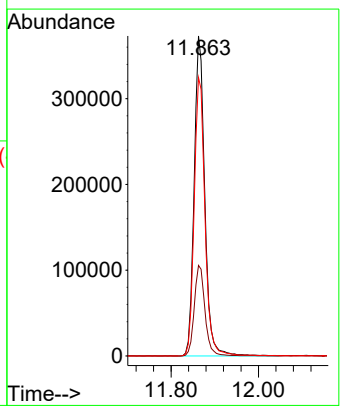


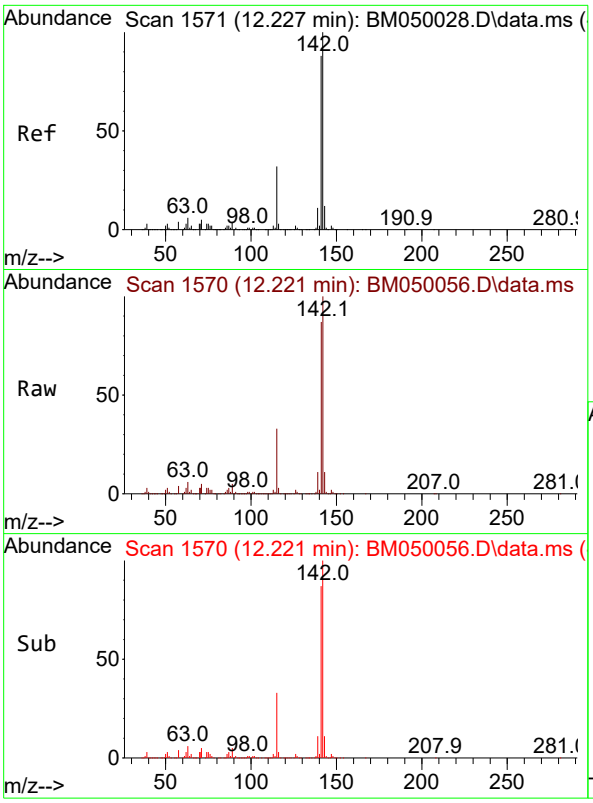


#36
4-Chloro-3-methylphenol
Concen: 44.467 ng
RT: 11.863 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:107 Resp: 629705

Ion	Ratio	Lower	Upper
107	100		
144	28.3	23.8	35.6
142	87.0	71.9	107.9



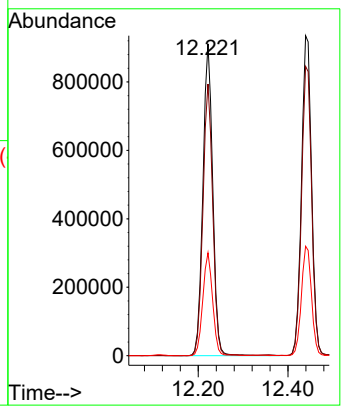


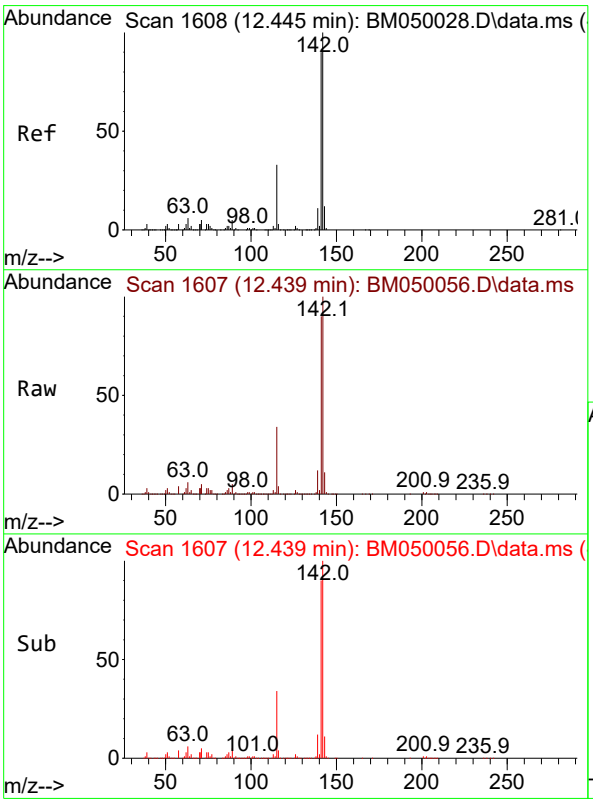
#37
2-Methylnaphthalene
Concen: 44.330 ng
RT: 12.221 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion:142 Resp: 1385260

Ion	Ratio	Lower	Upper
142	100		
141	87.1	70.4	105.6
115	33.0	25.4	38.2

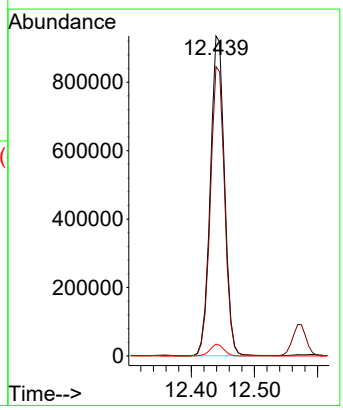


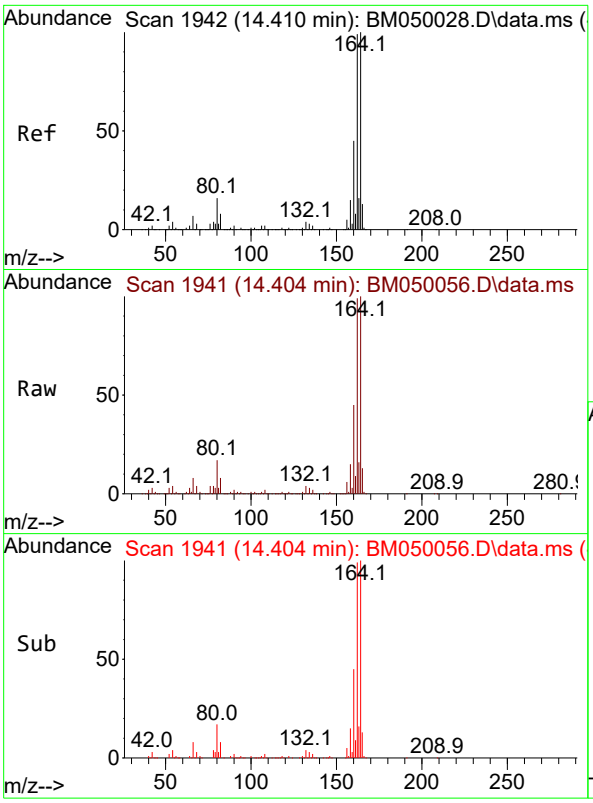


#38
1-Methylnaphthalene
Concen: 44.137 ng
RT: 12.439 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:142 Resp: 1459600

Ion	Ratio	Lower	Upper
142	100		
141	90.4	72.1	108.1
116	3.7	2.7	4.1



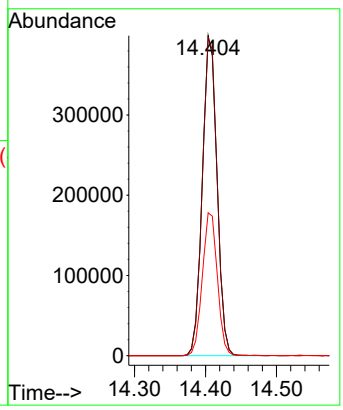


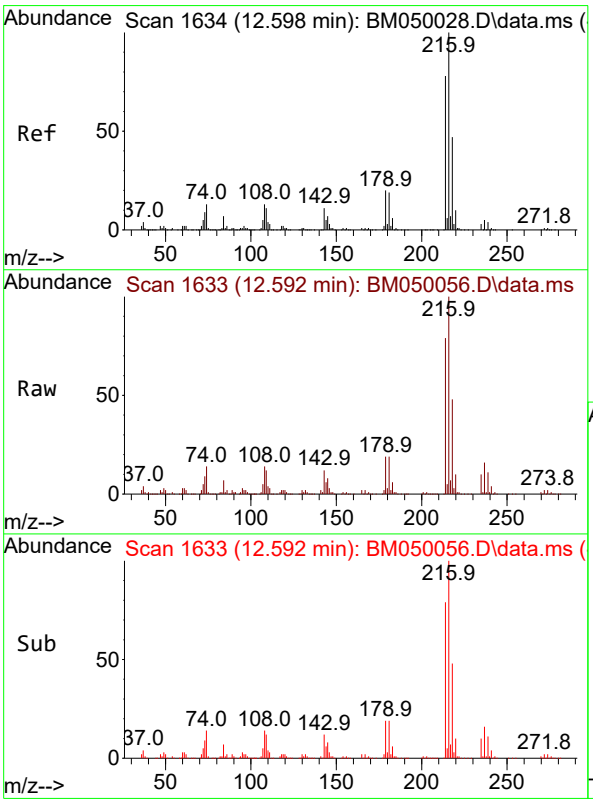
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion:164 Resp: 574035

Ion	Ratio	Lower	Upper
164	100		
162	99.4	79.4	119.0
160	44.6	36.2	54.4

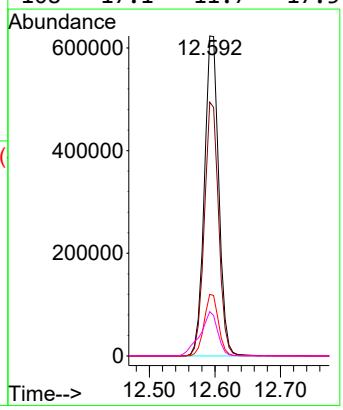


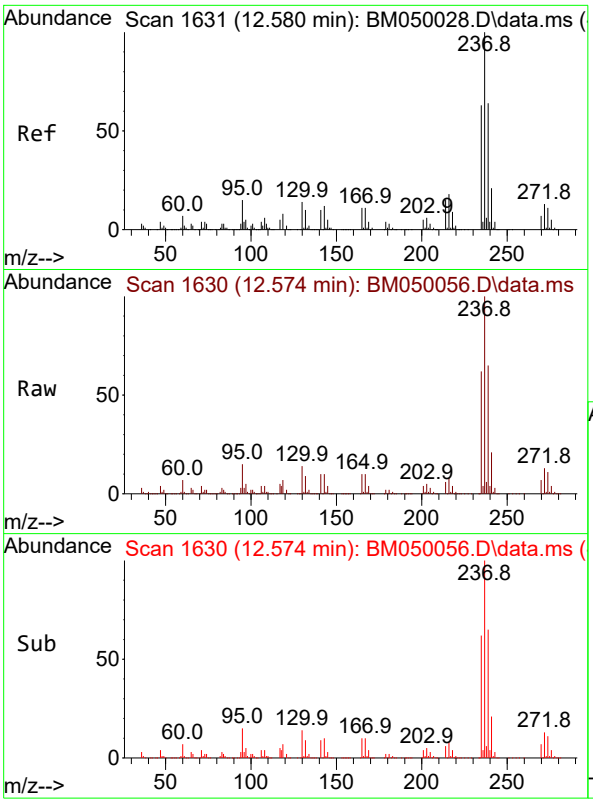


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.900 ng
RT: 12.592 min Scan# 1633
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:216 Resp: 951841

Ion	Ratio	Lower	Upper
216	100		
214	78.8	62.3	93.5
179	19.3	15.4	23.0
108	17.1	11.7	17.5



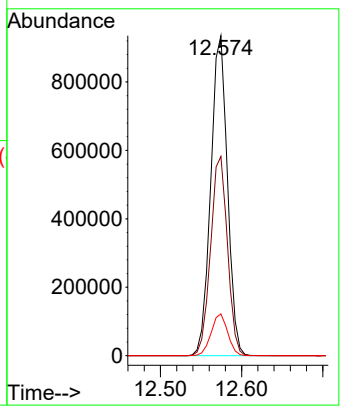


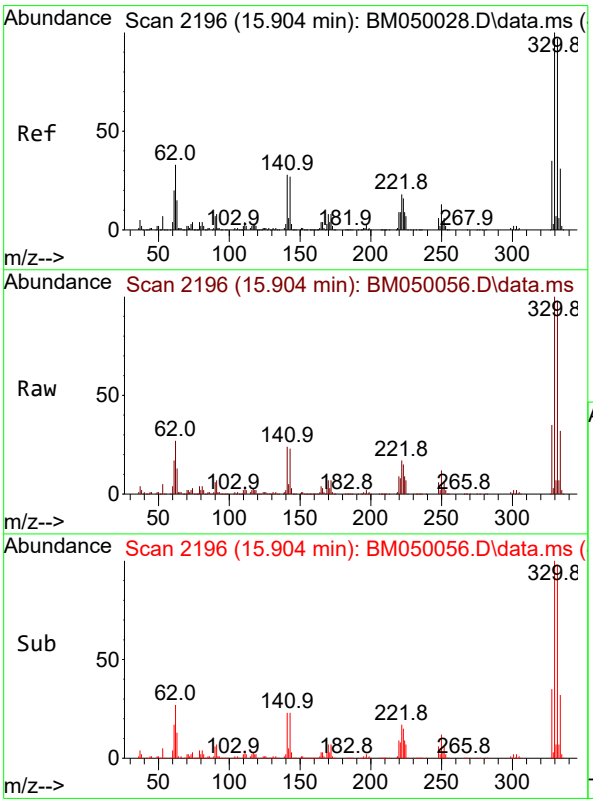
#41
Hexachlorocyclopentadiene
Concen: 109.773 ng
RT: 12.574 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion:237 Resp: 1333070

Ion	Ratio	Lower	Upper
237	100		
235	62.2	42.9	82.9
272	13.1	0.0	32.9

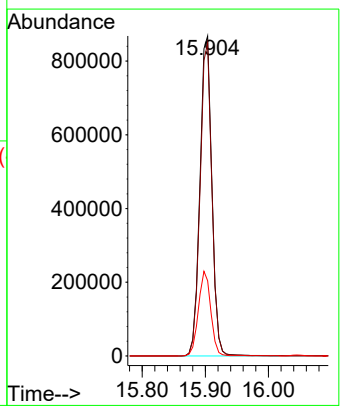


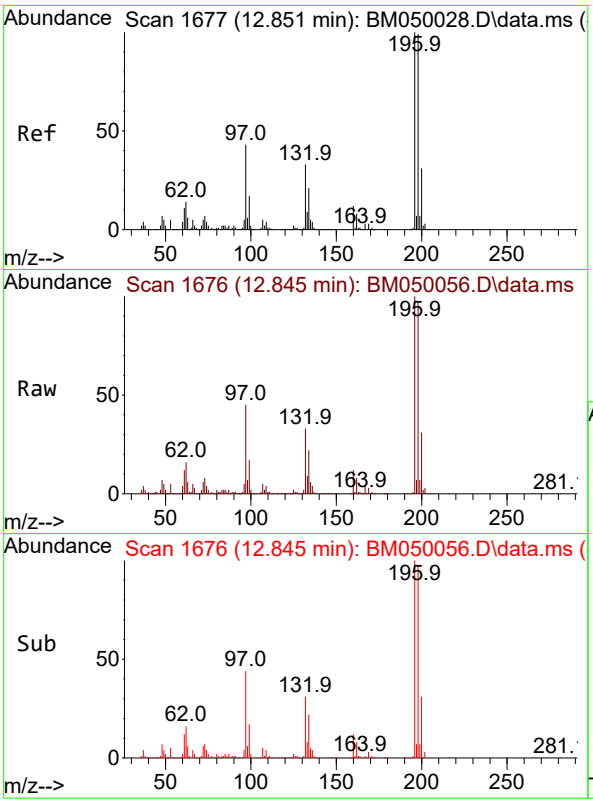


#42
2,4,6-Tribromophenol
Concen: 133.986 ng
RT: 15.904 min Scan# 2196
Delta R.T. -0.000 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:330 Resp: 1137256

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.3	115.9
141	27.5	22.5	33.7



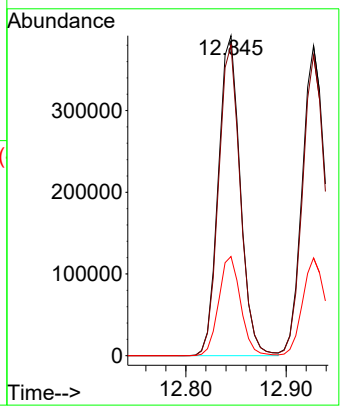


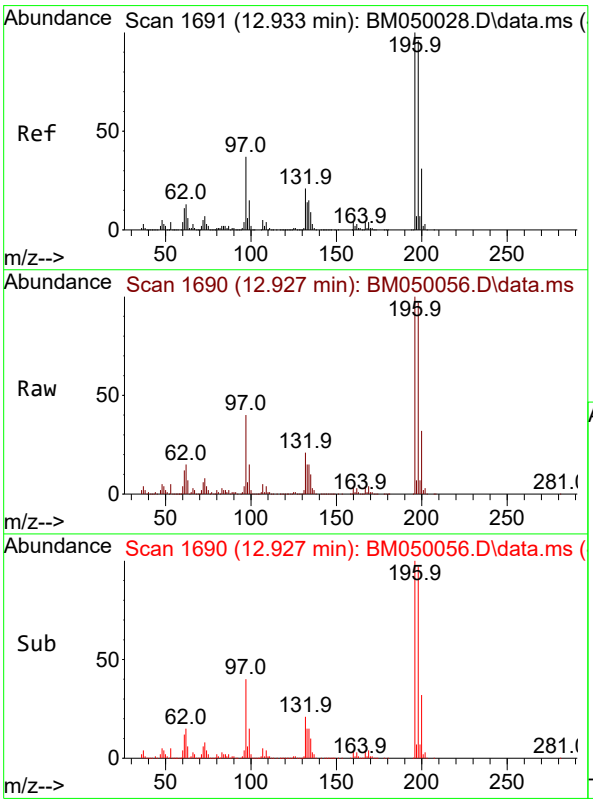
#43
2,4,6-Trichlorophenol
Concen: 47.252 ng
RT: 12.845 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion:196 Resp: 595553

Ion	Ratio	Lower	Upper
196	100		
198	97.1	79.0	118.6
200	31.0	25.1	37.7

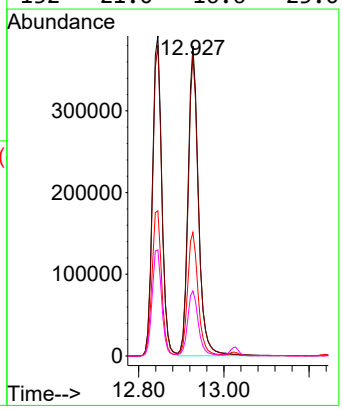


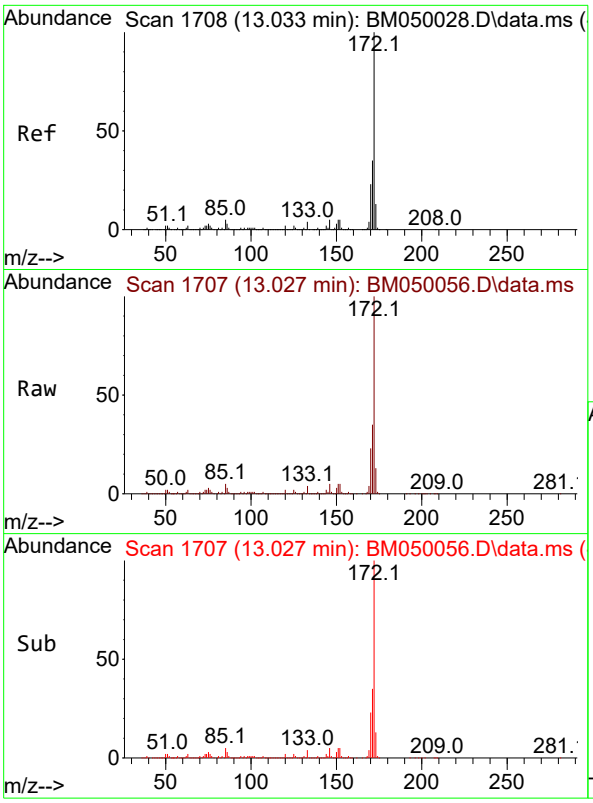


#44
2,4,5-Trichlorophenol
Concen: 47.463 ng
RT: 12.927 min Scan# 1690
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:196 Resp: 645088

Ion	Ratio	Lower	Upper
196	100		
198	97.0	76.7	115.1
97	39.9	30.1	45.1
132	21.0	16.6	25.0



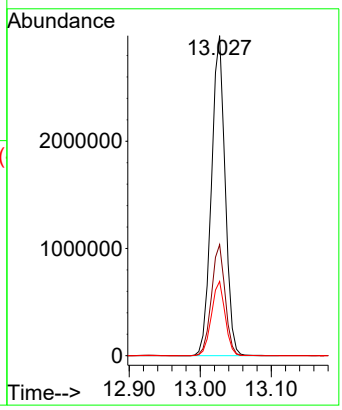


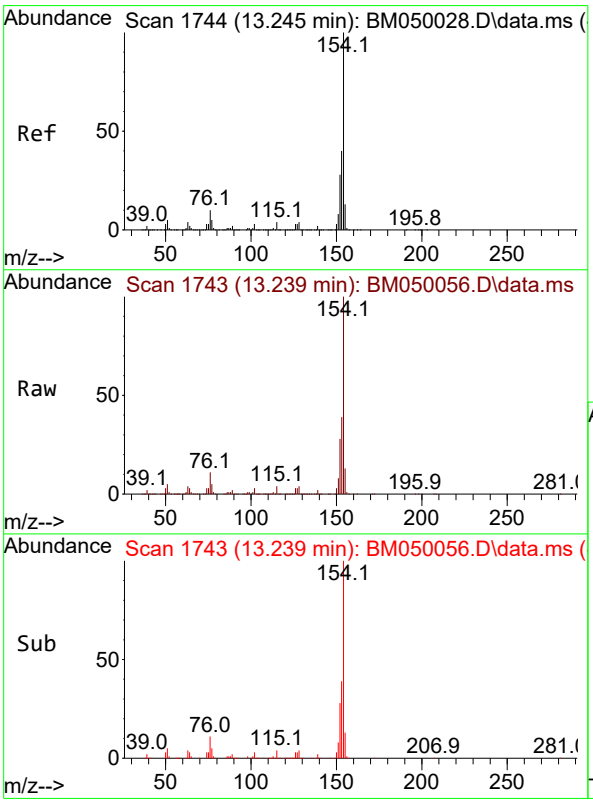
#45
2-Fluorobiphenyl
Concen: 82.084 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion:172 Resp: 3983085

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.8	41.6
170	23.2	18.6	28.0

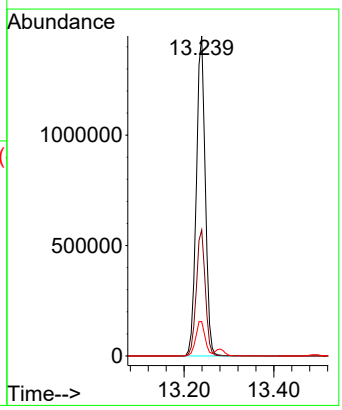


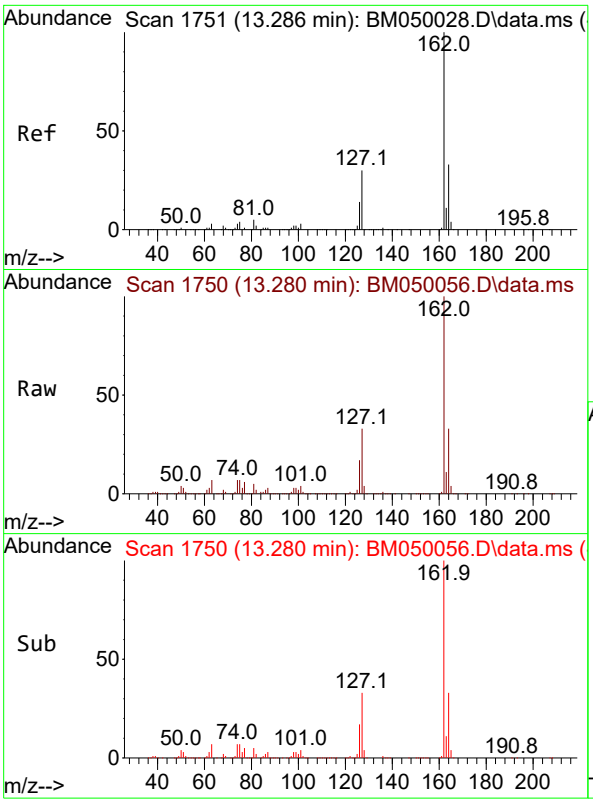


#46
1,1'-Biphenyl
Concen: 46.895 ng
RT: 13.239 min Scan# 1743
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:154 Resp: 2001051

Ion	Ratio	Lower	Upper
154	100		
153	39.4	20.0	60.0
76	10.8	0.0	30.3



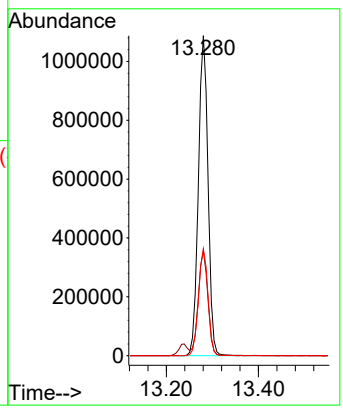


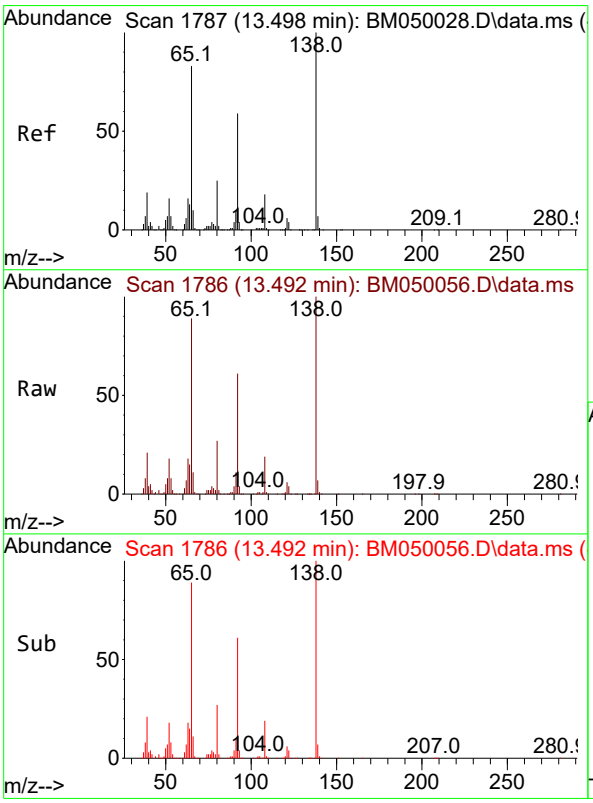
#47
2-Chloronaphthalene
Concen: 46.715 ng
RT: 13.280 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion:162 Resp: 1578759

Ion	Ratio	Lower	Upper
162	100		
127	32.8	25.9	38.9
164	33.5	26.6	40.0

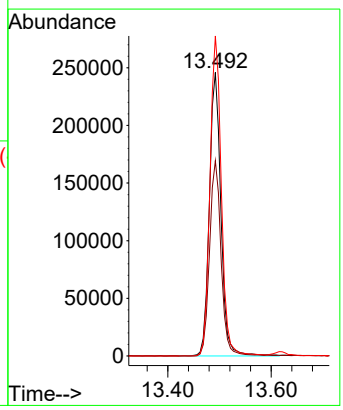


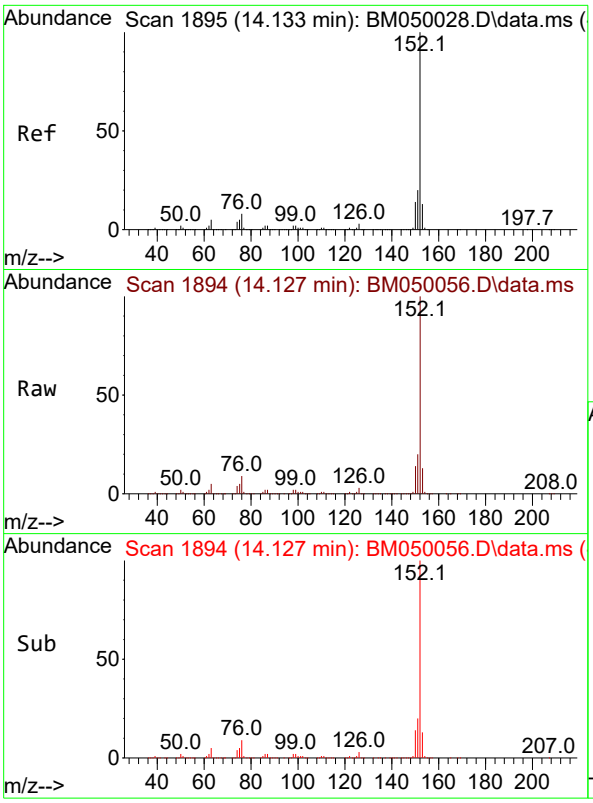


#48
2-Nitroaniline
Concen: 48.111 ng
RT: 13.492 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion: 65 Resp: 381610

Ion	Ratio	Lower	Upper
65	100		
92	68.9	57.1	85.7
138	112.9	97.0	145.4



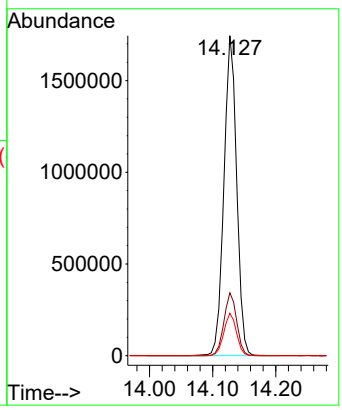


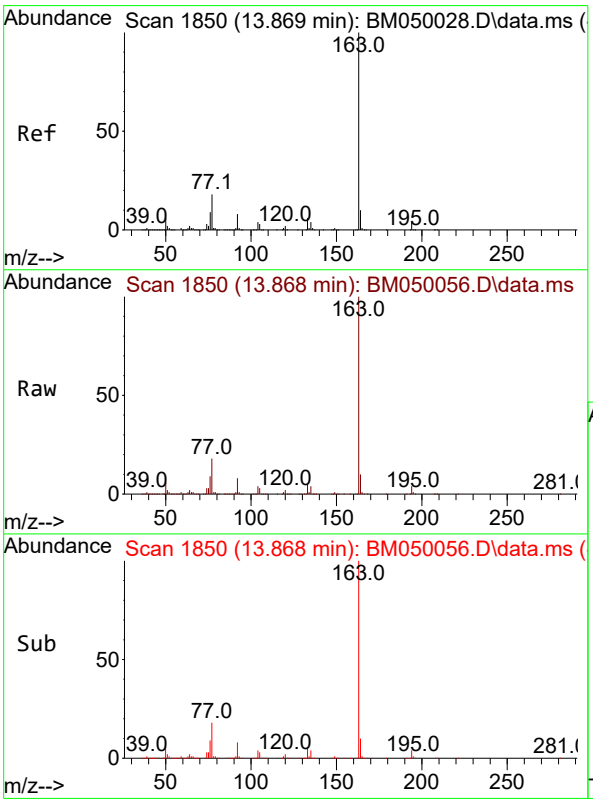
#49
Acenaphthylene
Concen: 45.906 ng
RT: 14.127 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion:152 Resp: 2446083

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.8
153	13.3	10.6	15.8

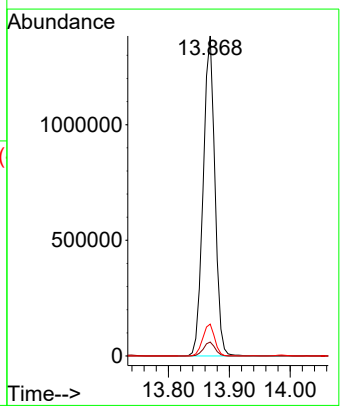


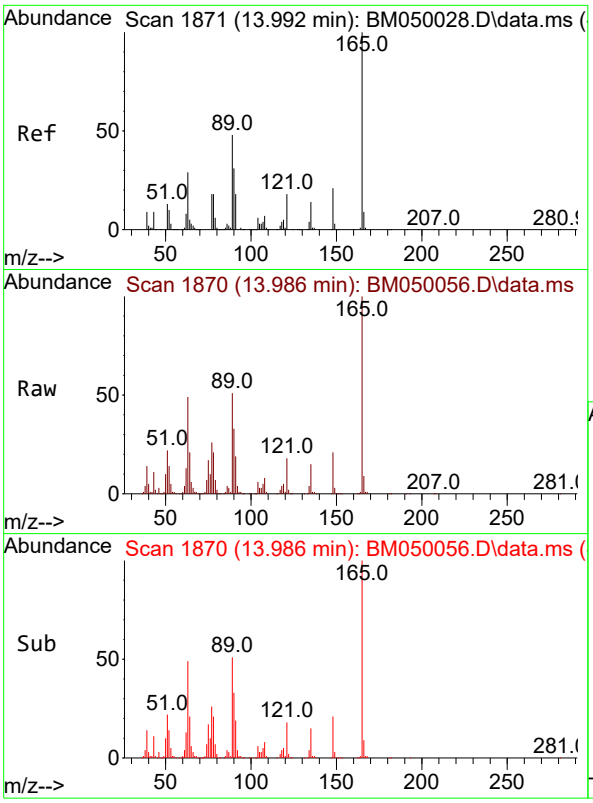


#50
Dimethylphthalate
Concen: 44.069 ng
RT: 13.868 min Scan# 1850
Delta R.T. -0.000 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:163 Resp: 1848756

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	10.0	8.2	12.2



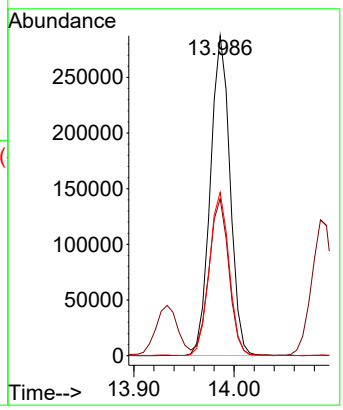


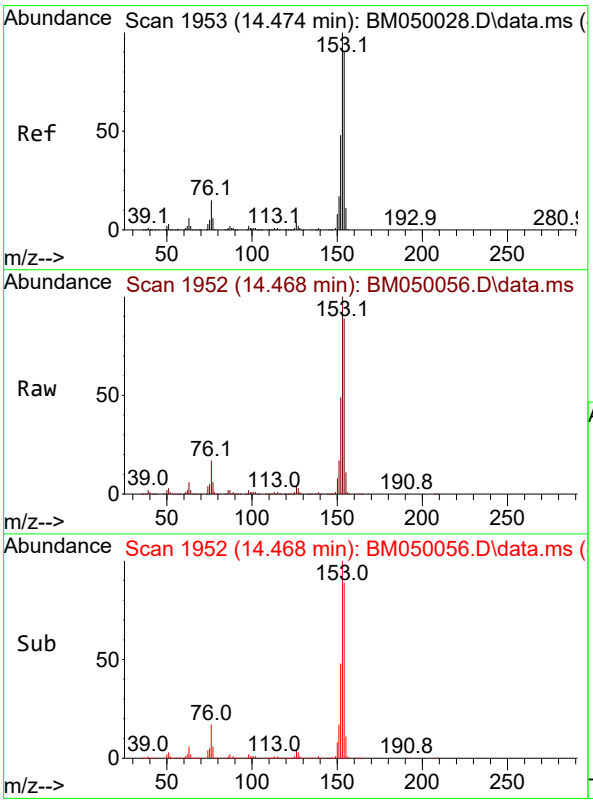
#51
2,6-Dinitrotoluene
Concen: 45.028 ng
RT: 13.986 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion:165 Resp: 391102

Ion	Ratio	Lower	Upper
165	100		
63	49.1	35.1	52.7
89	51.1	38.4	57.6

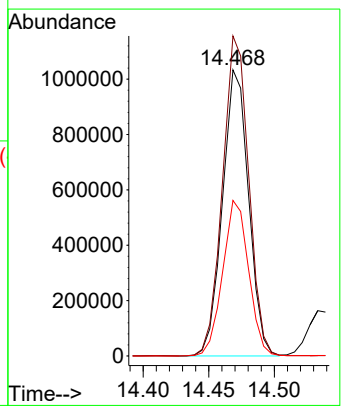


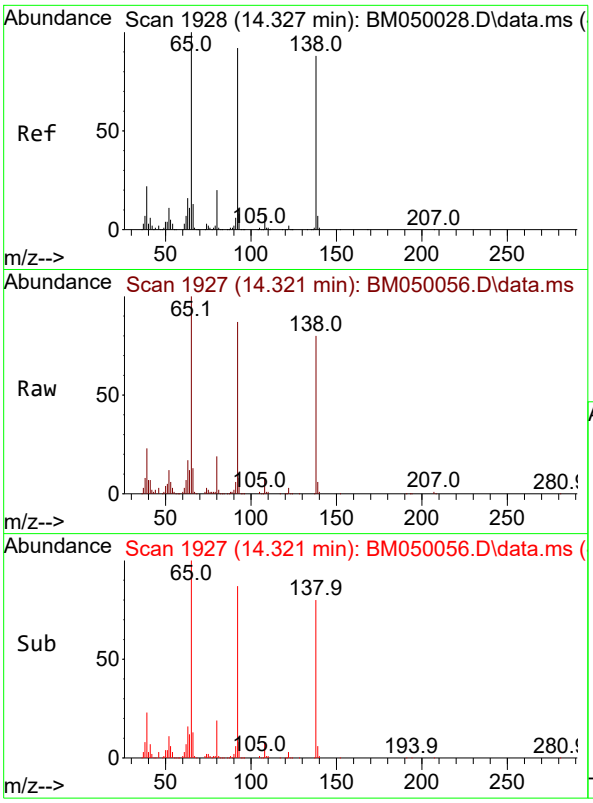


#52
Acenaphthene
Concen: 46.311 ng
RT: 14.468 min Scan# 1952
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:154 Resp: 1428392

Ion	Ratio	Lower	Upper
154	100		
153	111.9	89.0	133.4
152	54.4	43.0	64.6



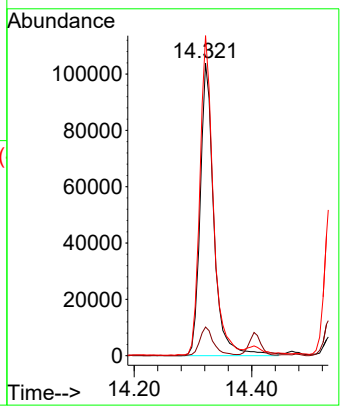


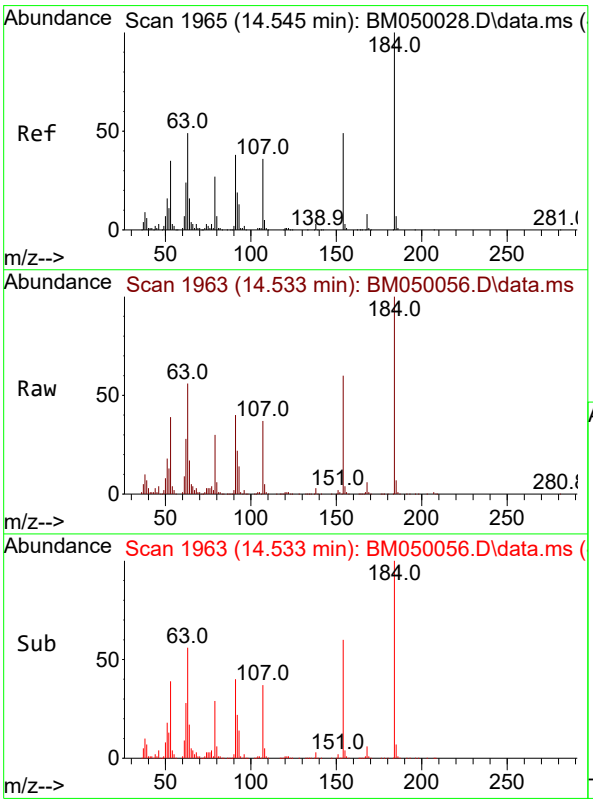
#53
3-Nitroaniline
Concen: 20.286 ng
RT: 14.321 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion:138 Resp: 168224

Ion	Ratio	Lower	Upper
138	100		
108	9.8	7.4	11.2
92	109.4	84.0	126.0

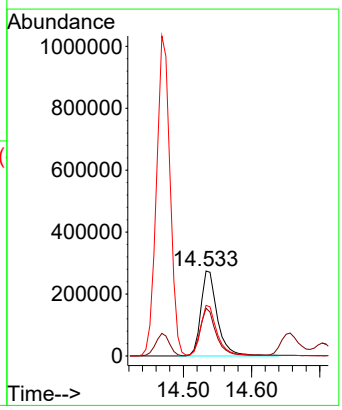


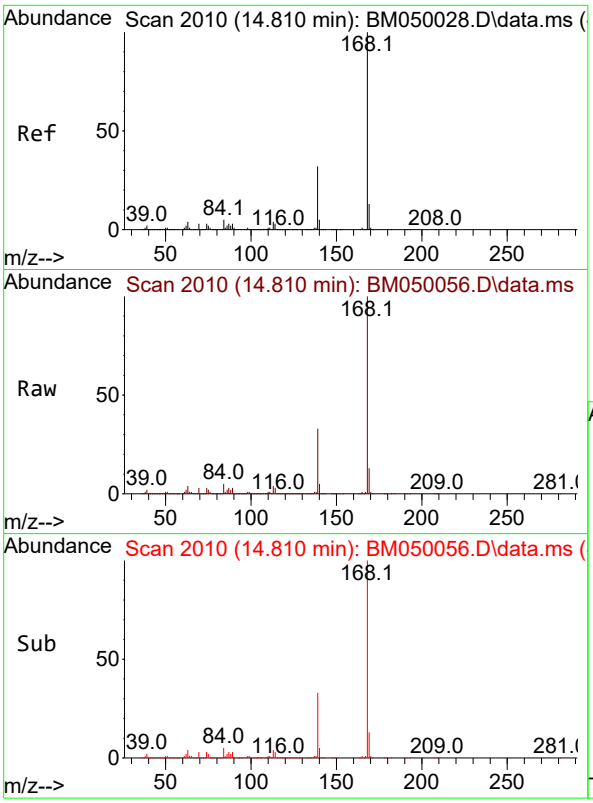


#54
2,4-Dinitrophenol
Concen: 83.005 ng
RT: 14.533 min Scan# 1963
Delta R.T. -0.012 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:184 Resp: 462686

Ion	Ratio	Lower	Upper
184	100		
63	56.2	39.8	59.6
154	59.6	46.1	69.1



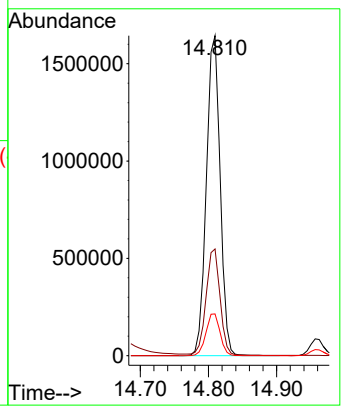


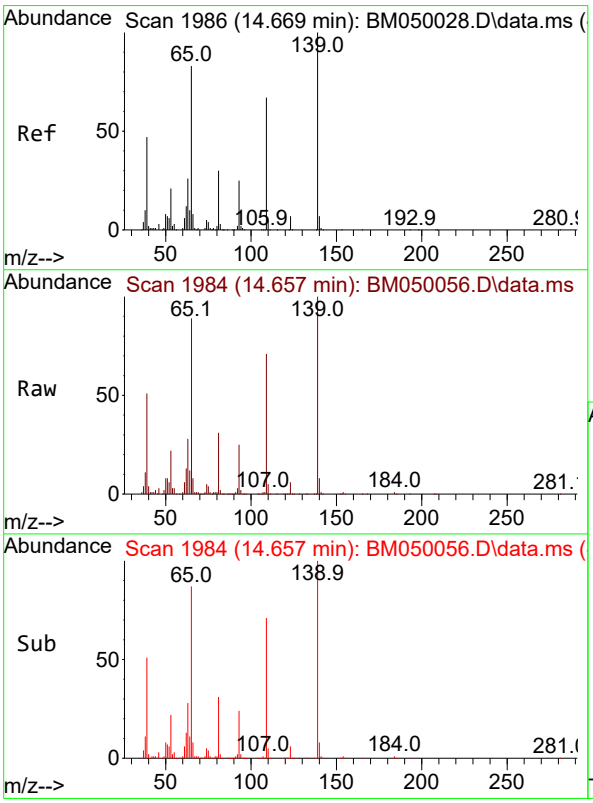
#55
Dibenzofuran
Concen: 45.103 ng
RT: 14.810 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion:168 Resp: 2314511

Ion	Ratio	Lower	Upper
168	100		
139	33.3	26.1	39.1
169	13.1	10.8	16.2

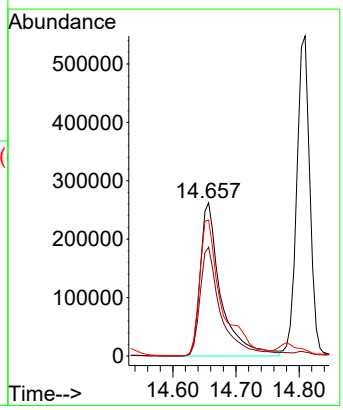


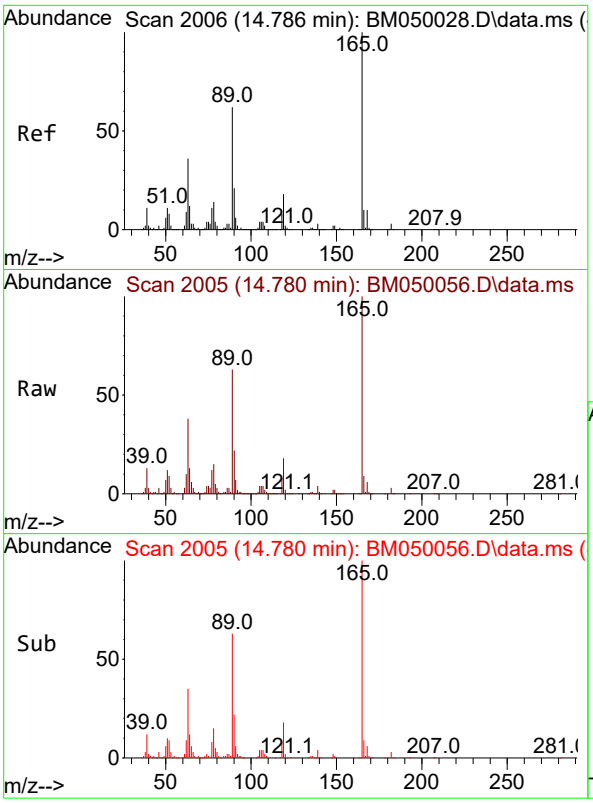


#56
4-Nitrophenol
Concen: 87.262 ng
RT: 14.657 min Scan# 1984
Delta R.T. -0.012 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:139 Resp: 591638

Ion	Ratio	Lower	Upper
139	100		
109	71.1	47.0	87.0
65	88.7	64.3	104.3



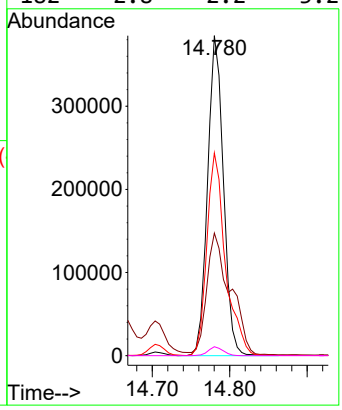


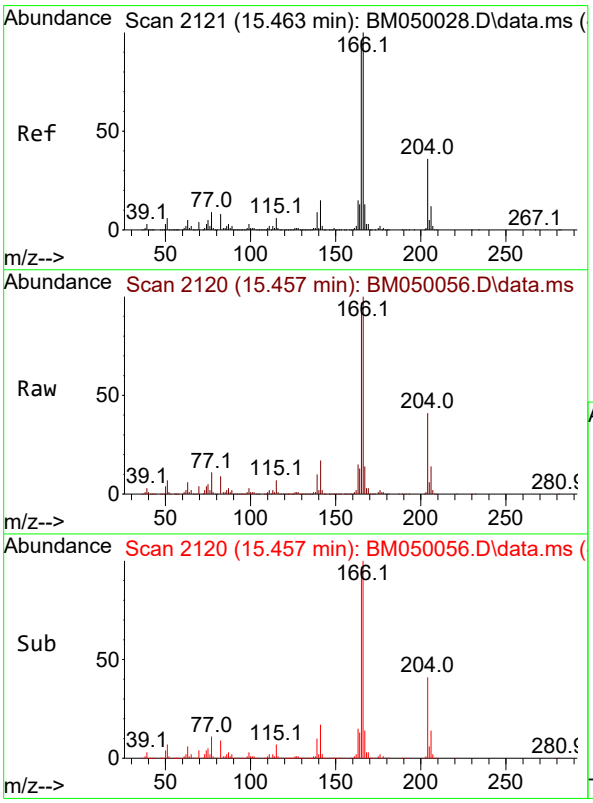
#57
2,4-Dinitrotoluene
Concen: 45.495 ng
RT: 14.780 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion:165 Resp: 546027

Ion	Ratio	Lower	Upper
165	100		
63	38.3	29.0	43.6
89	63.3	49.4	74.2
182	2.8	2.2	3.2

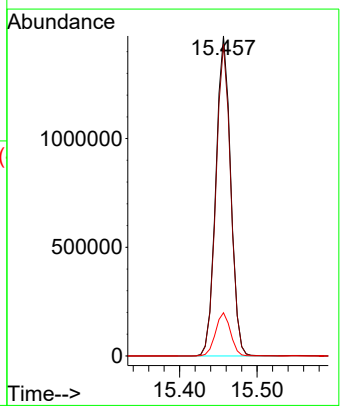


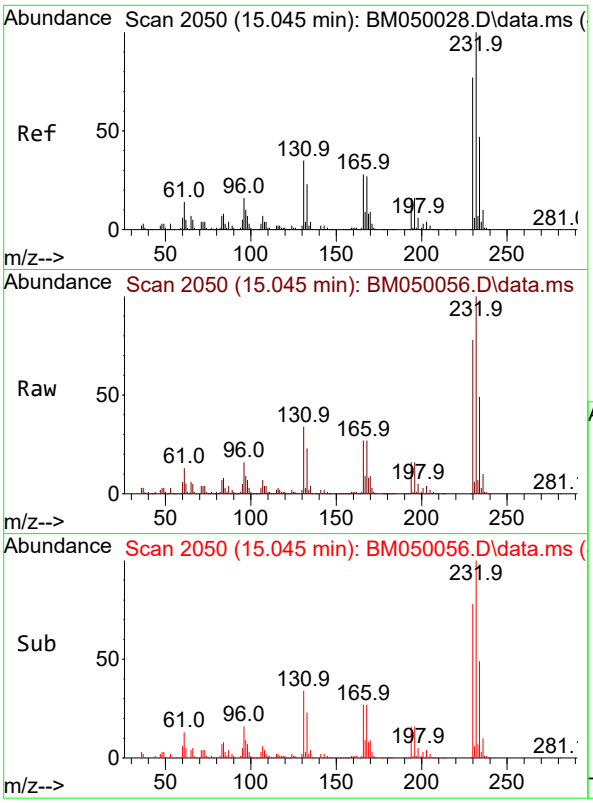


#58
Fluorene
Concen: 46.608 ng
RT: 15.457 min Scan# 2120
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:166 Resp: 1957695

Ion	Ratio	Lower	Upper
166	100		
165	97.4	76.6	115.0
167	13.5	10.6	16.0



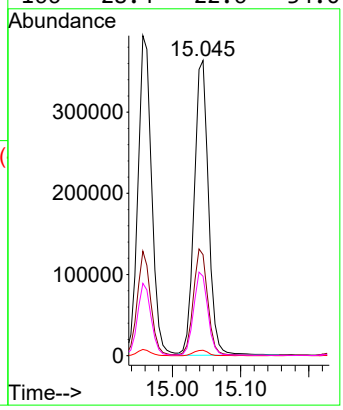


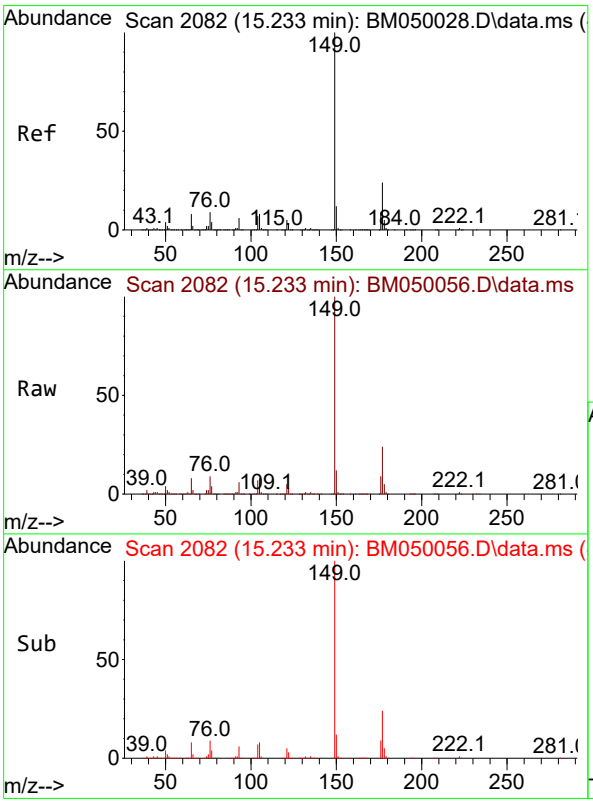
#59
2,3,4,6-Tetrachlorophenol
Concen: 44.704 ng
RT: 15.045 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion:232 Resp: 525931

Ion	Ratio	Lower	Upper
232	100		
131	36.2	28.2	42.4
130	1.9	1.5	2.3
166	28.4	22.6	34.0

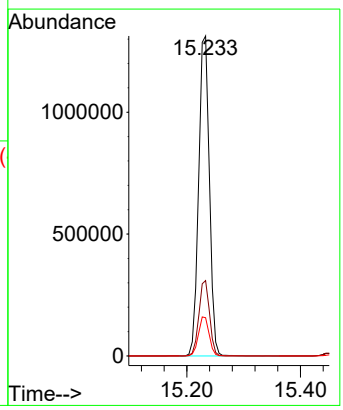


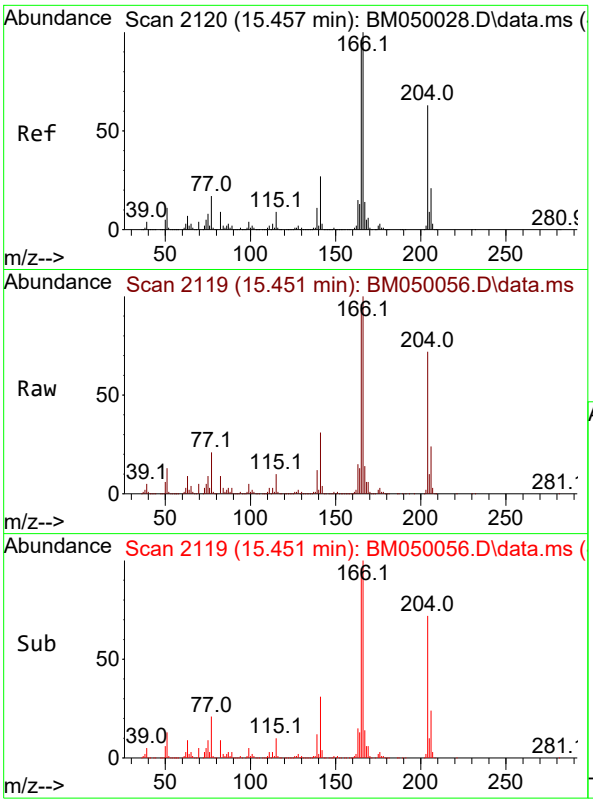


#60
Diethylphthalate
Concen: 43.728 ng
RT: 15.233 min Scan# 2082
Delta R.T. -0.000 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:149 Resp: 1728526

Ion	Ratio	Lower	Upper
149	100		
177	23.5	19.1	28.7
150	11.9	9.6	14.4



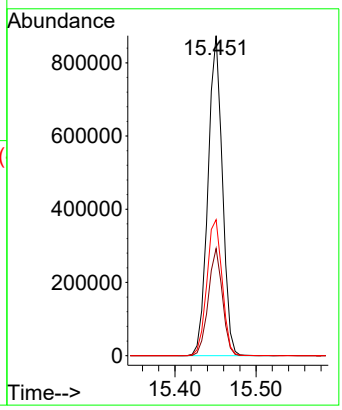


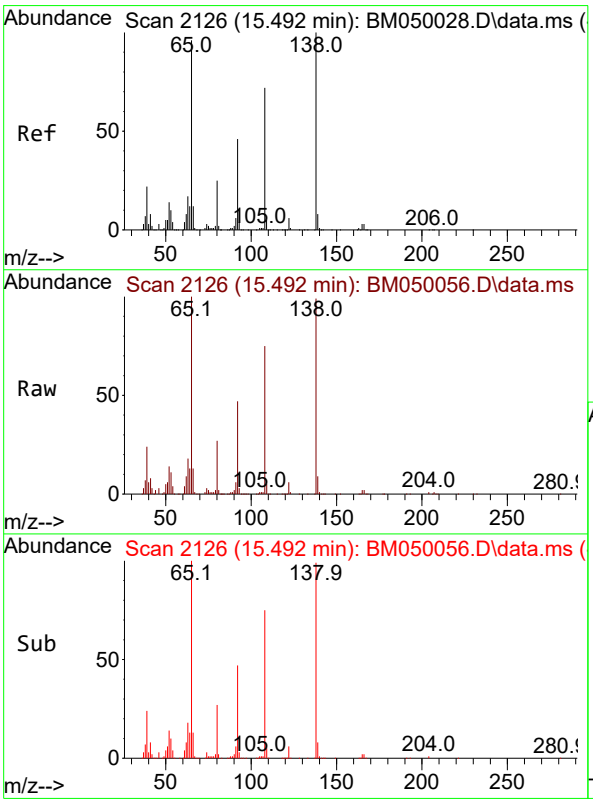
#61
4-Chlorophenyl-phenylether
Concen: 46.531 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion:204 Resp: 1073517

Ion	Ratio	Lower	Upper
204	100		
206	33.5	26.3	39.5
141	42.5	34.0	51.0

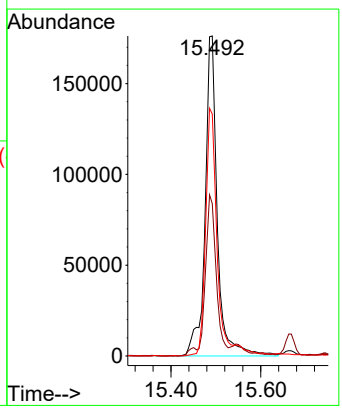


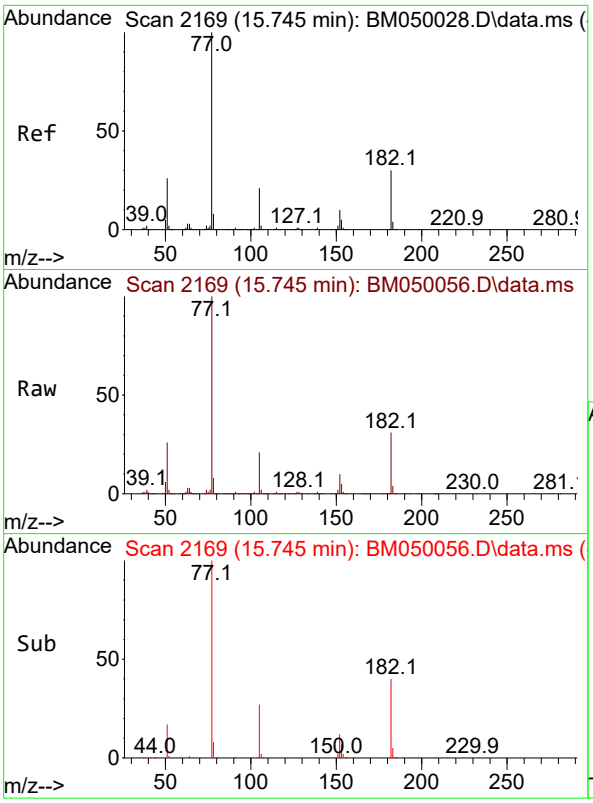


#62
4-Nitroaniline
Concen: 41.776 ng
RT: 15.492 min Scan# 2126
Delta R.T. -0.000 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:138 Resp: 334232

Ion	Ratio	Lower	Upper
138	100		
92	47.6	25.9	65.9
108	75.6	52.4	92.4



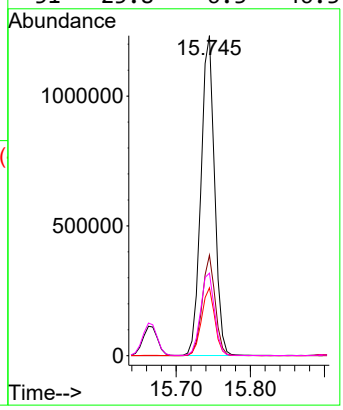


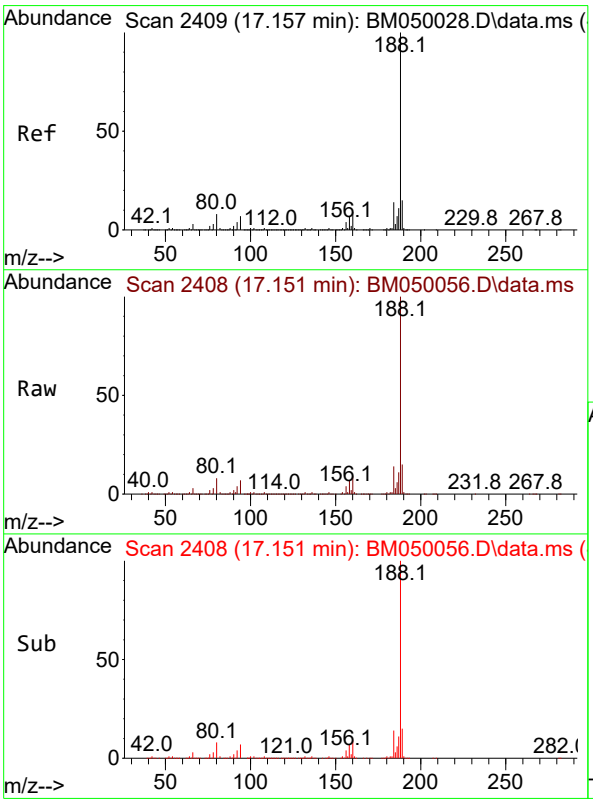
#63
Azobenzene
Concen: 47.397 ng
RT: 15.745 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion: 77 Resp: 1570210

Ion	Ratio	Lower	Upper
77	100		
182	31.4	10.5	50.5
105	21.2	1.1	41.1
51	25.8	6.3	46.3

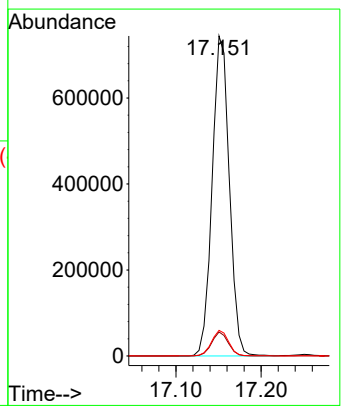


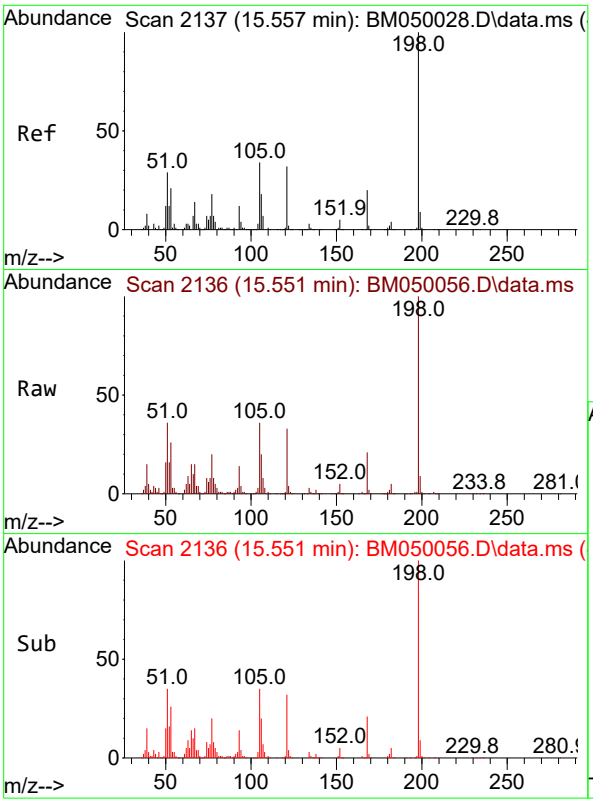


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.151 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:188 Resp: 1043099

Ion	Ratio	Lower	Upper
188	100		
94	7.5	5.7	8.5
80	8.0	6.2	9.4



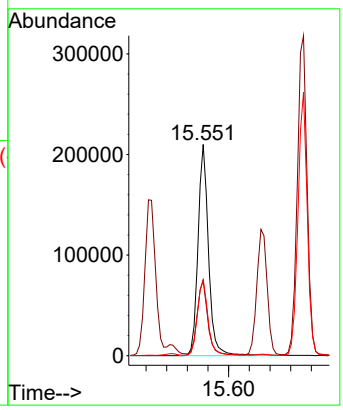


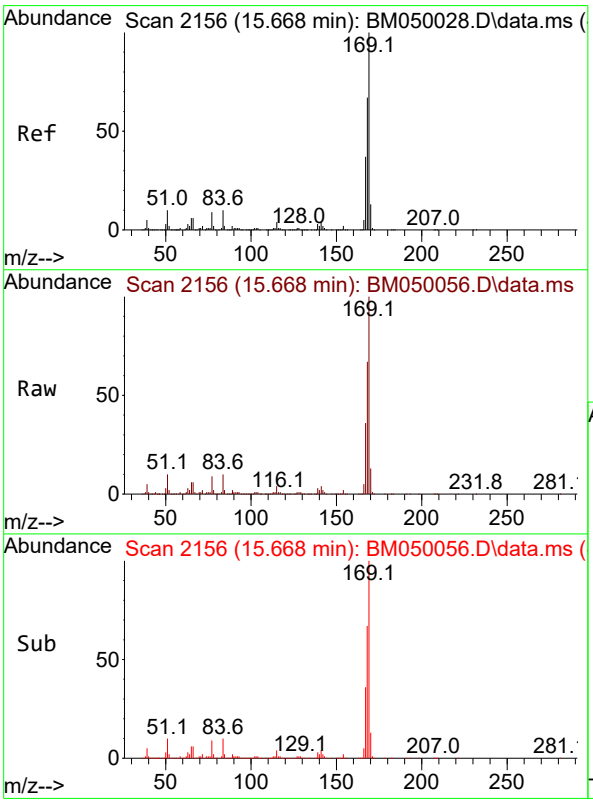
#65
4,6-Dinitro-2-methylphenol
Concen: 45.416 ng
RT: 15.551 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion:198 Resp: 296541

Ion	Ratio	Lower	Upper
198	100		
51	35.5	10.4	50.4
105	35.9	14.6	54.6

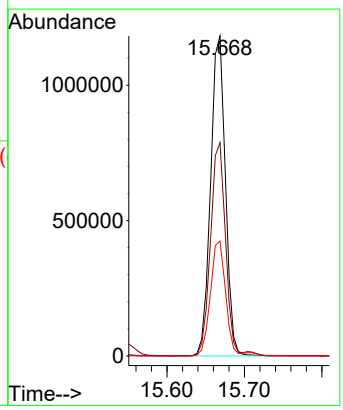


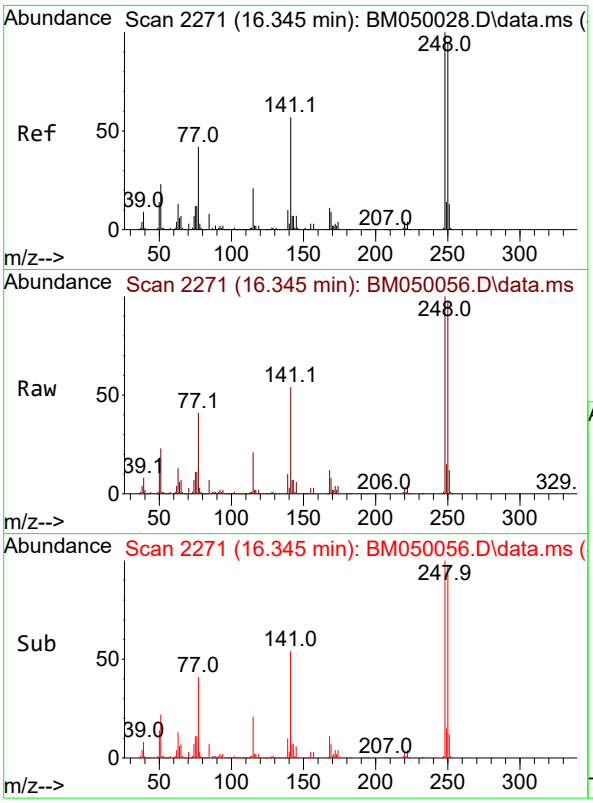


#66
n-Nitrosodiphenylamine
Concen: 48.976 ng
RT: 15.668 min Scan# 2156
Delta R.T. -0.000 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:169 Resp: 1568744

Ion	Ratio	Lower	Upper
169	100		
168	66.7	53.4	80.2
167	35.9	29.4	44.0



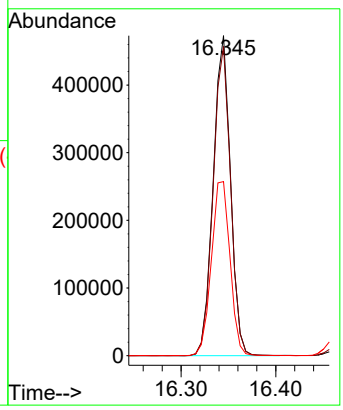


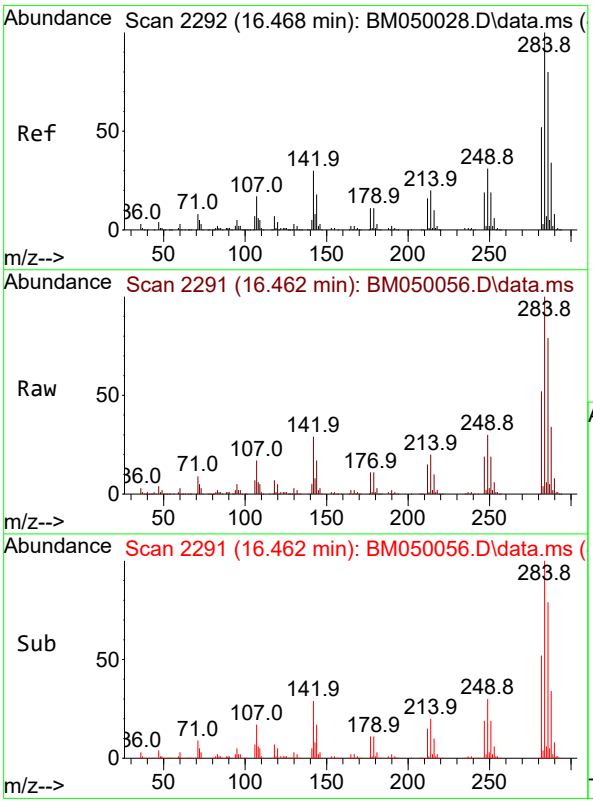
#67
4-Bromophenyl-phenylether
Concen: 47.467 ng
RT: 16.345 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion:248 Resp: 598749

Ion	Ratio	Lower	Upper
248	100		
250	96.6	76.2	114.2
141	54.4	45.9	68.9

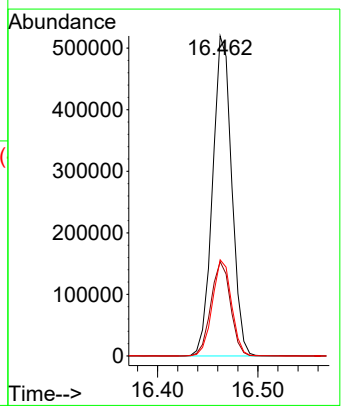


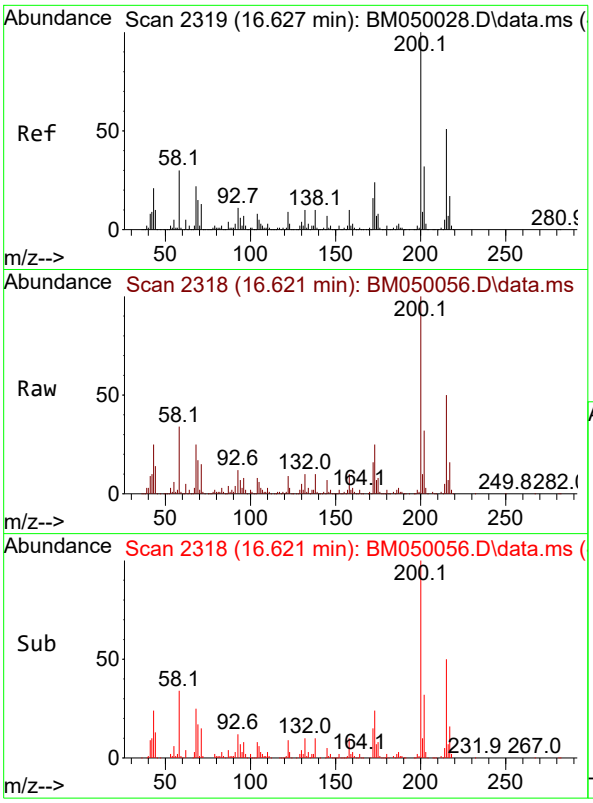


#68
Hexachlorobenzene
Concen: 47.285 ng
RT: 16.462 min Scan# 2291
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:284 Resp: 687532

Ion	Ratio	Lower	Upper
284	100		
142	29.5	23.9	35.9
249	30.1	24.5	36.7



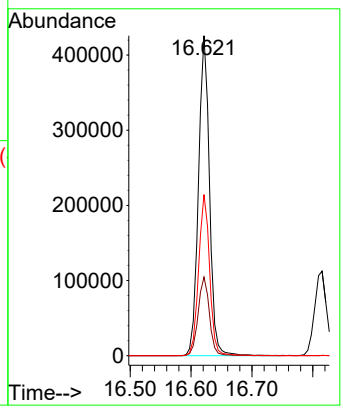


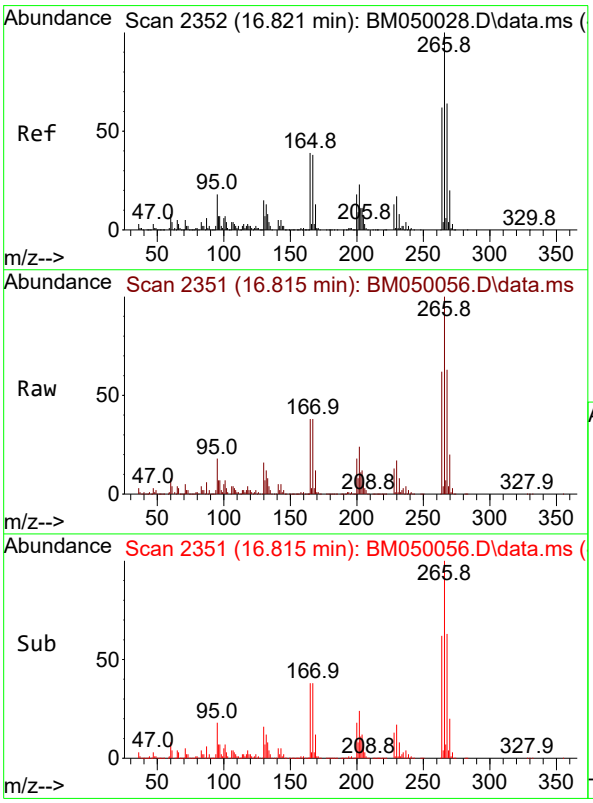
#69
Atrazine
Concen: 46.343 ng
RT: 16.621 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion:200 Resp: 535442

Ion	Ratio	Lower	Upper
200	100		
173	24.6	4.3	44.3
215	50.3	30.6	70.6

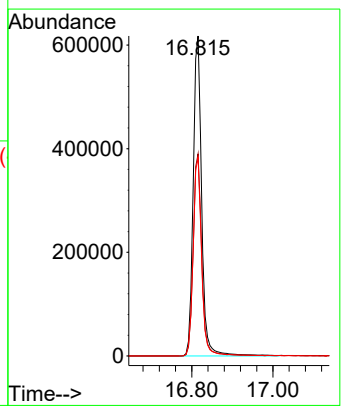


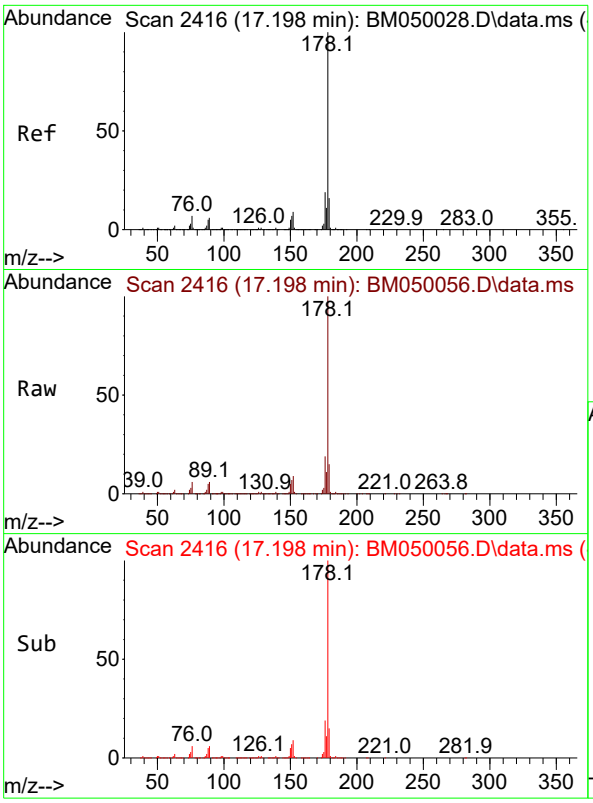


#70
Pentachlorophenol
Concen: 109.731 ng
RT: 16.815 min Scan# 2351
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:266 Resp: 898093

Ion	Ratio	Lower	Upper
266	100		
268	63.1	51.2	76.8
264	62.1	49.6	74.4



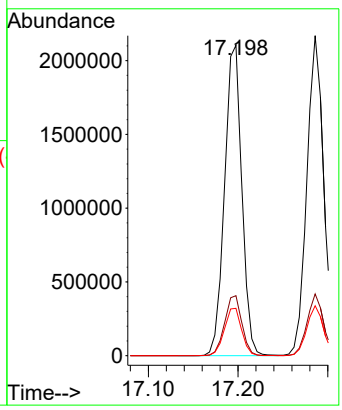


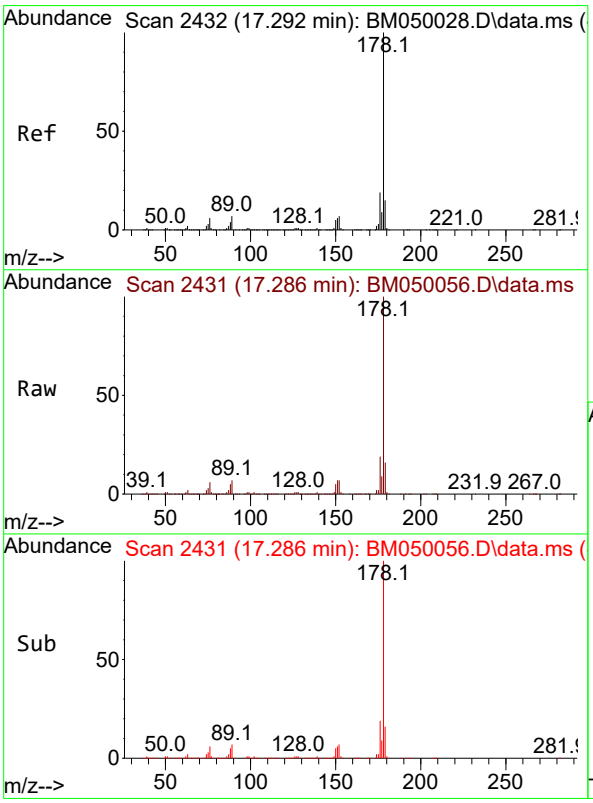
#71
Phenanthrene
Concen: 47.811 ng
RT: 17.198 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion:178 Resp: 2812828

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.2	12.4	18.6

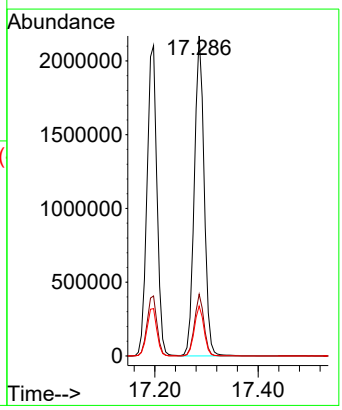


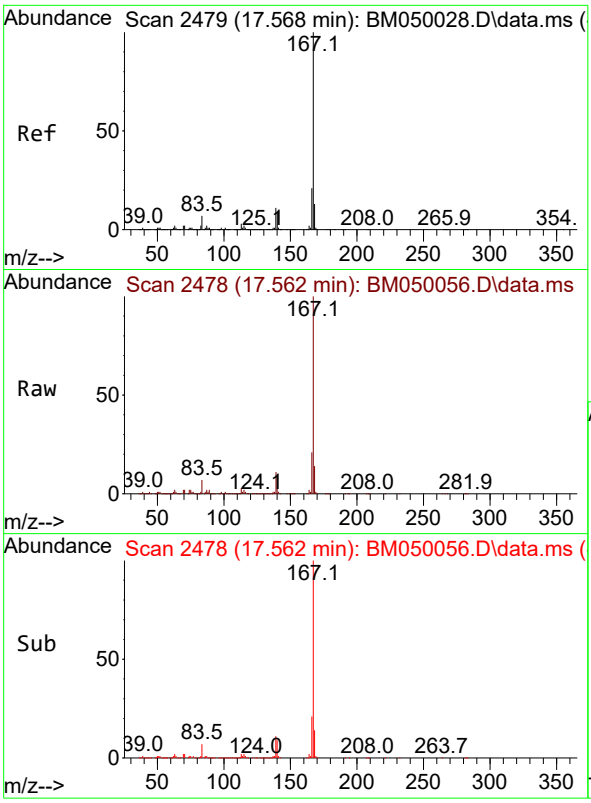


#72
Anthracene
Concen: 47.941 ng
RT: 17.286 min Scan# 2431
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:178 Resp: 2854263

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.0	22.4
179	15.6	12.2	18.4



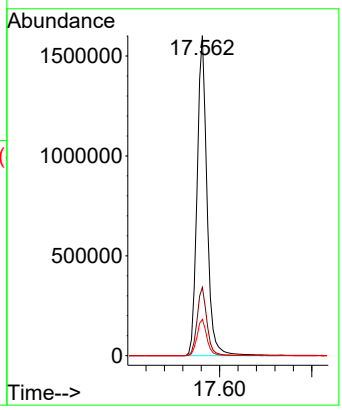


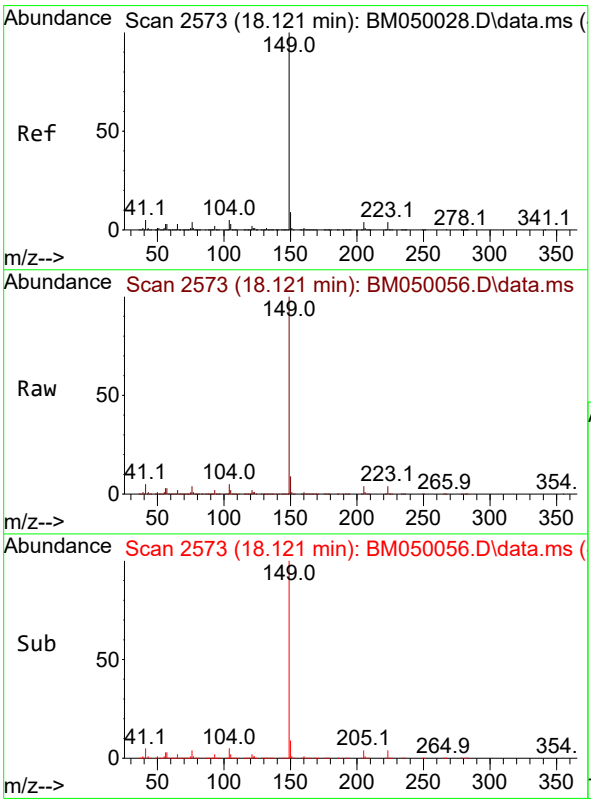
#73
Carbazole
Concen: 46.165 ng
RT: 17.562 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion:167 Resp: 2385066

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.2	25.8
139	11.4	9.0	13.6

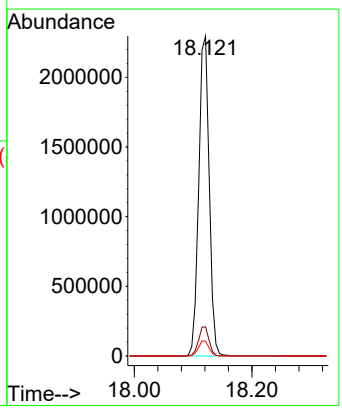


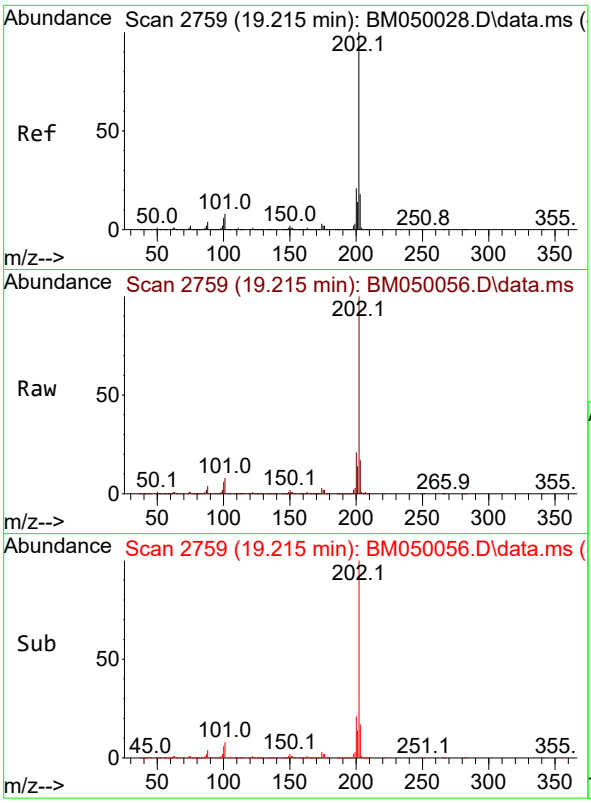


#74
Di-n-butylphthalate
Concen: 45.971 ng
RT: 18.121 min Scan# 2573
Delta R.T. -0.000 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:149 Resp: 2828360

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	4.6	3.8	5.6



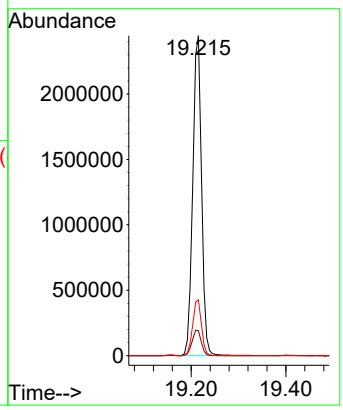


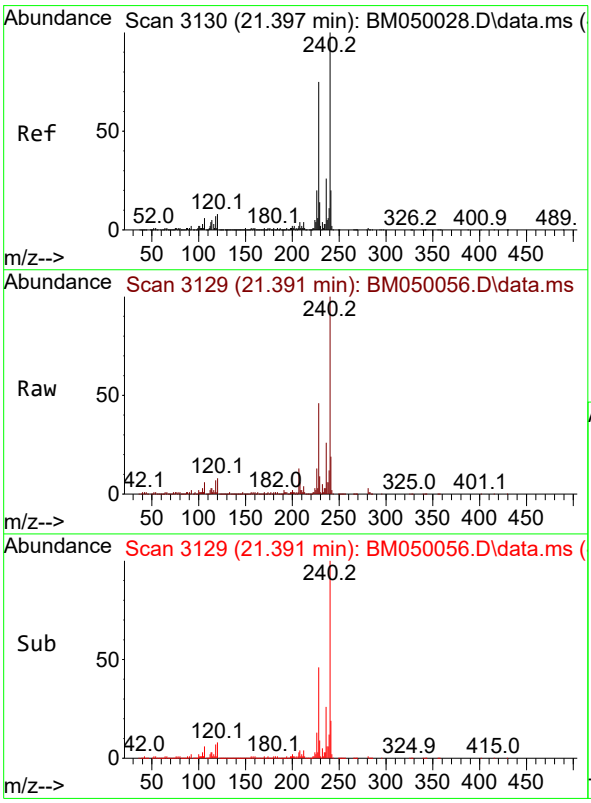
#75
Fluoranthene
Concen: 45.635 ng
RT: 19.215 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion:202 Resp: 3152095

Ion	Ratio	Lower	Upper
202	100		
101	7.9	0.0	28.0
203	17.5	0.0	37.7

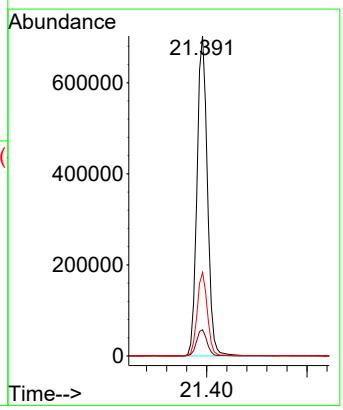


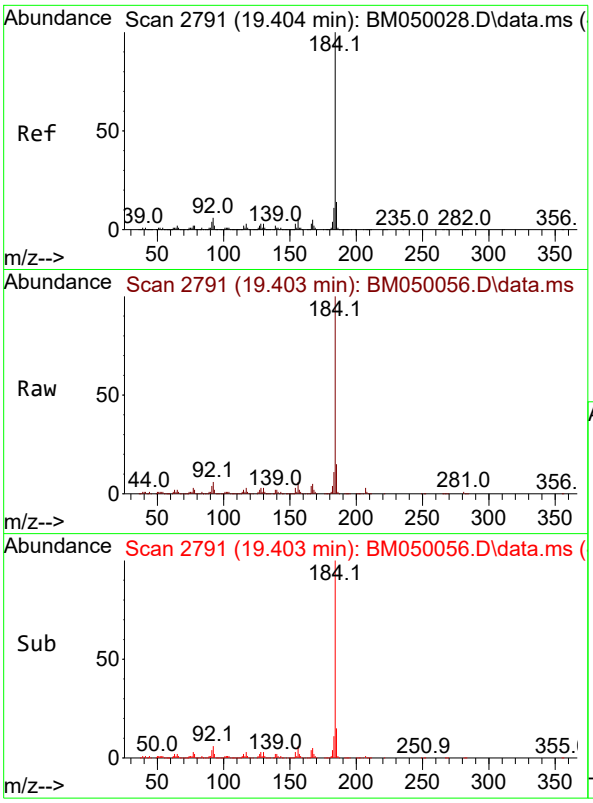


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.391 min Scan# 3129
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:240 Resp: 1009737

Ion	Ratio	Lower	Upper
240	100		
120	8.2	6.5	9.7
236	26.1	20.9	31.3



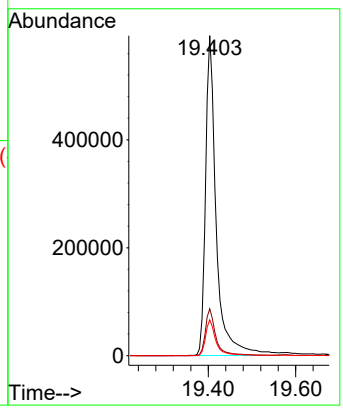


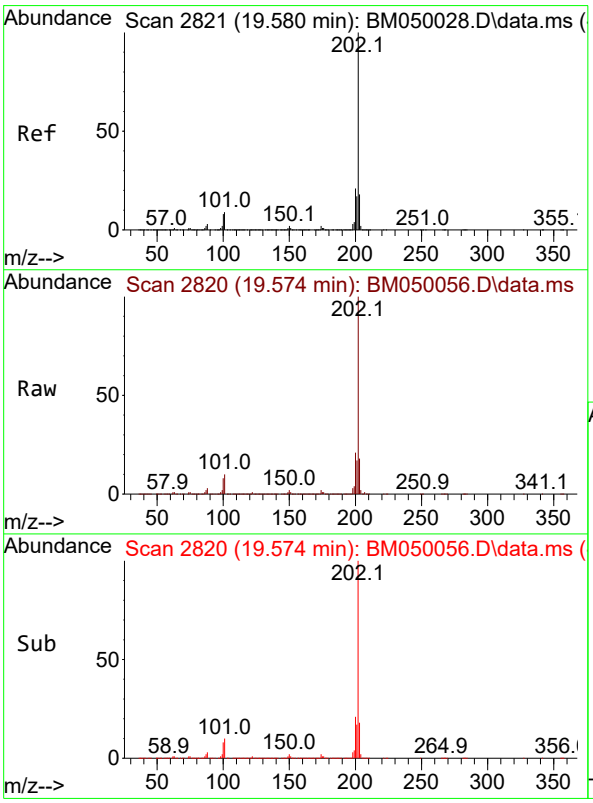
#77
Benzidine
Concen: 28.283 ng
RT: 19.403 min Scan# 2
Delta R.T. -0.001 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion:184 Resp: 1014430

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.5	17.3
183	11.2	8.9	13.3

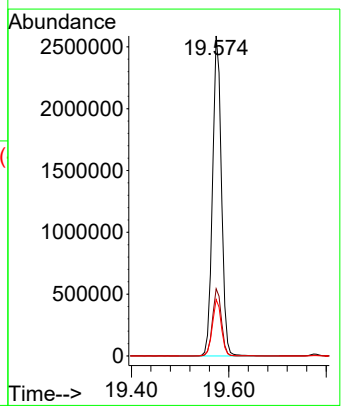


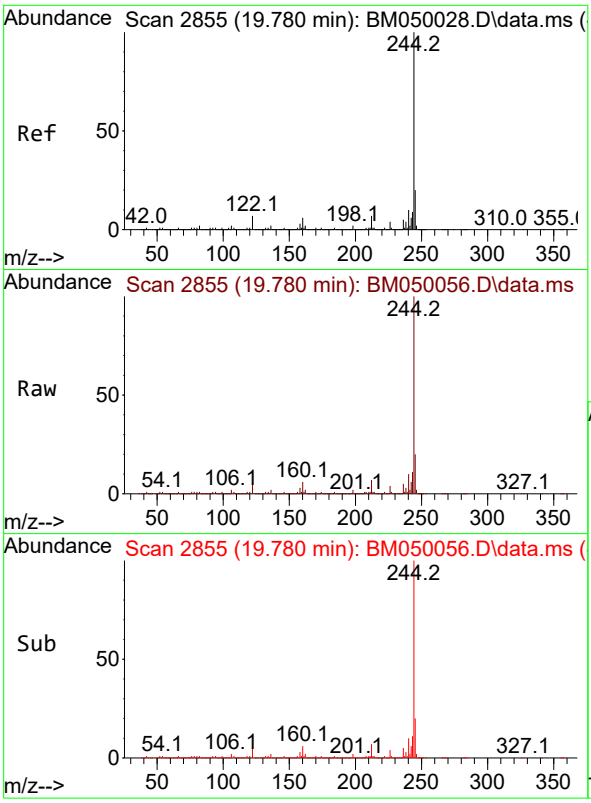


#78
Pyrene
Concen: 45.988 ng
RT: 19.574 min Scan# 2820
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:202 Resp: 3260859

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.6	14.1	21.1



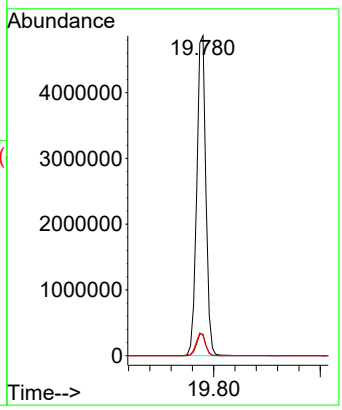


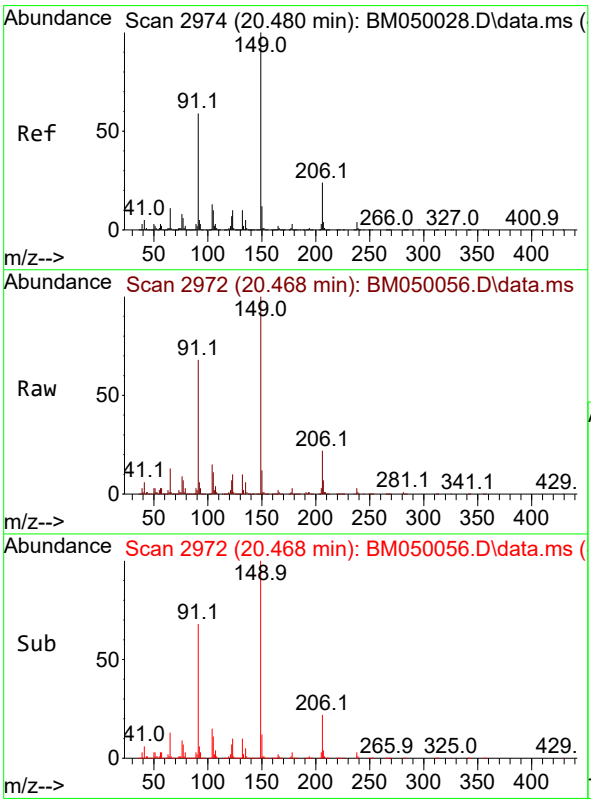
#79
Terphenyl-d14
Concen: 84.481 ng
RT: 19.780 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion:244 Resp: 5764733

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	6.3	5.6	8.4

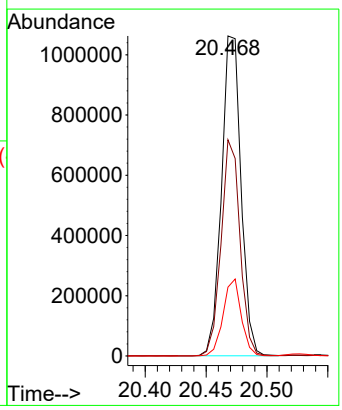


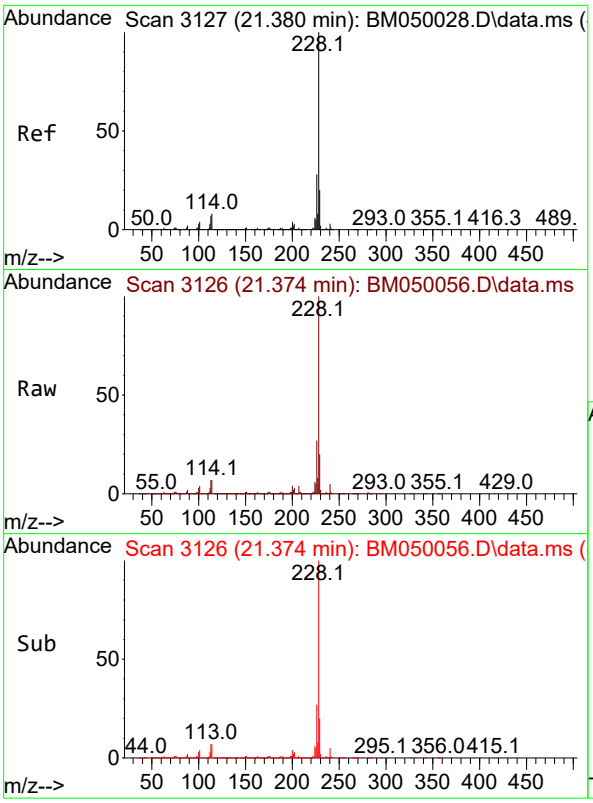


#80
Butylbenzylphthalate
Concen: 44.703 ng
RT: 20.468 min Scan# 2972
Delta R.T. -0.012 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:149 Resp: 1187182

Ion	Ratio	Lower	Upper
149	100		
91	67.5	47.4	71.2
206	21.5	19.4	29.0



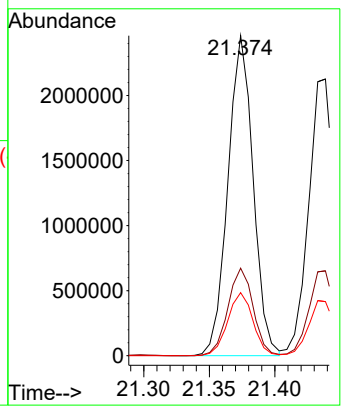


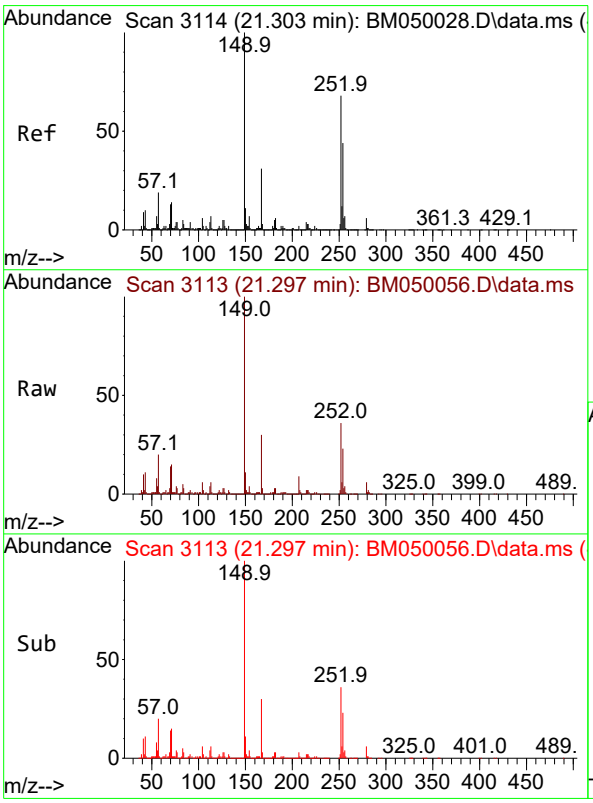
#81
Benzo(a)anthracene
Concen: 47.331 ng
RT: 21.374 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion:228 Resp: 3291107

Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.1	33.1
229	19.7	15.7	23.5

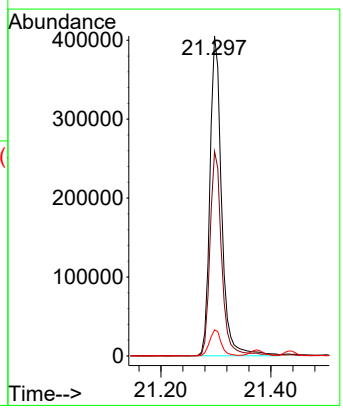


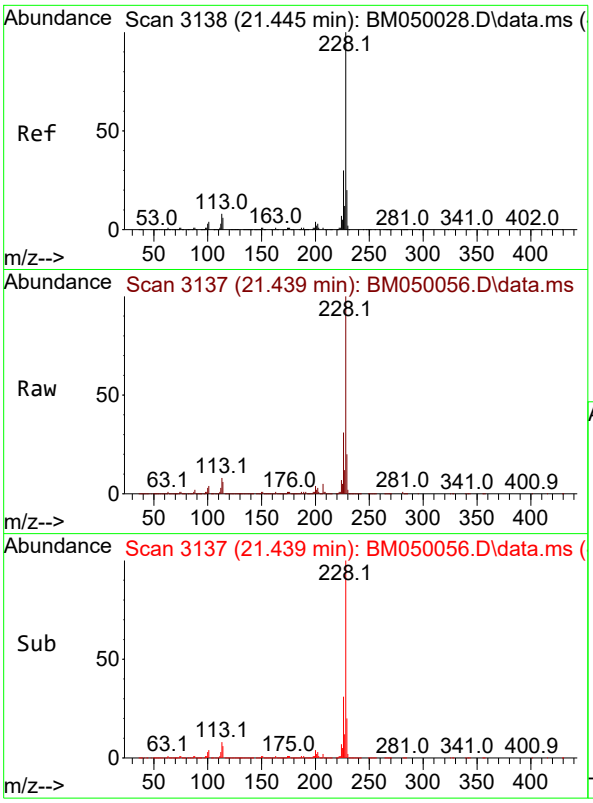


#82
3,3'-Dichlorobenzidine
Concen: 22.376 ng
RT: 21.297 min Scan# 3113
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:252 Resp: 595613

Ion	Ratio	Lower	Upper
252	100		
254	64.0	51.8	77.6
126	8.1	6.0	9.0



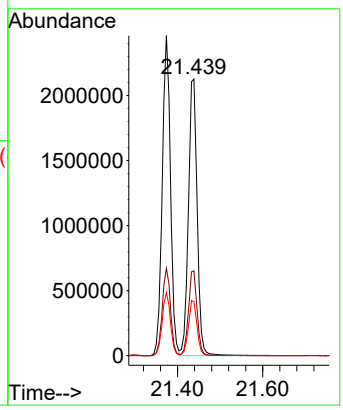


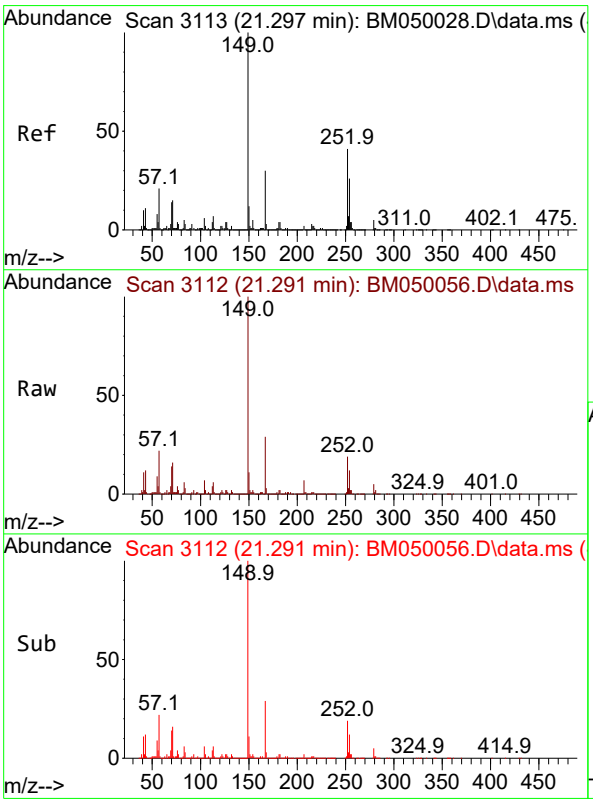
#83
Chrysene
Concen: 47.027 ng
RT: 21.439 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion:228 Resp: 3026421

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.2	36.2
229	19.6	15.7	23.5

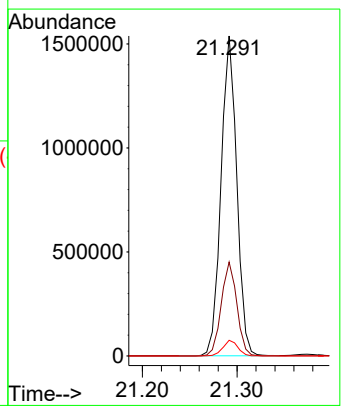


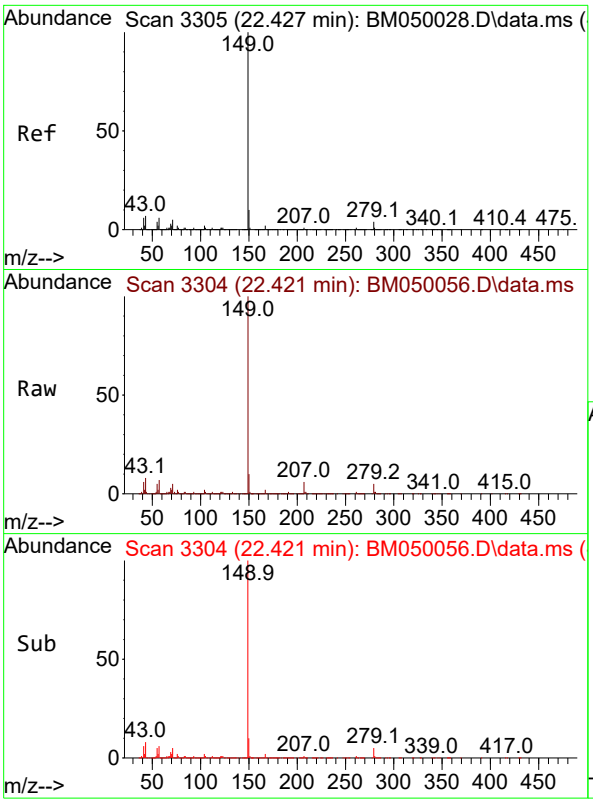


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.744 ng
RT: 21.291 min Scan# 3112
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:149 Resp: 1774890

Ion	Ratio	Lower	Upper
149	100		
167	29.4	24.1	36.1
279	4.9	3.9	5.9



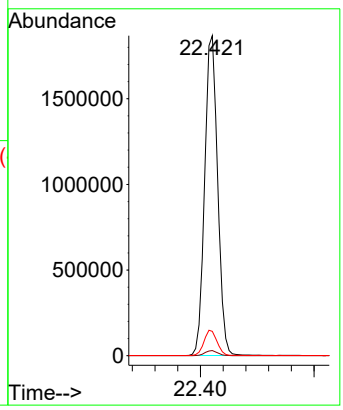


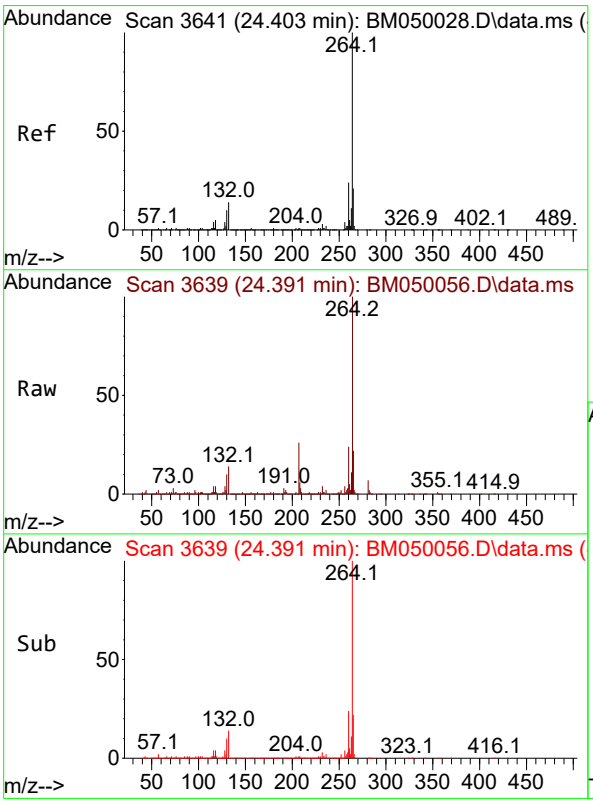
#85
Di-n-octyl phthalate
Concen: 44.999 ng
RT: 22.421 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion:149 Resp: 2943736

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.0	5.8	8.8

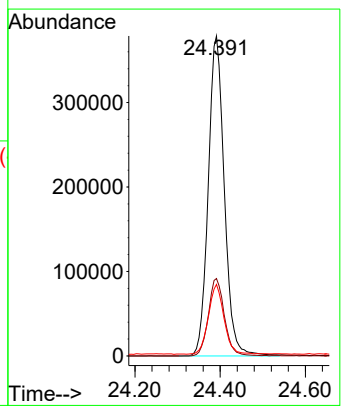


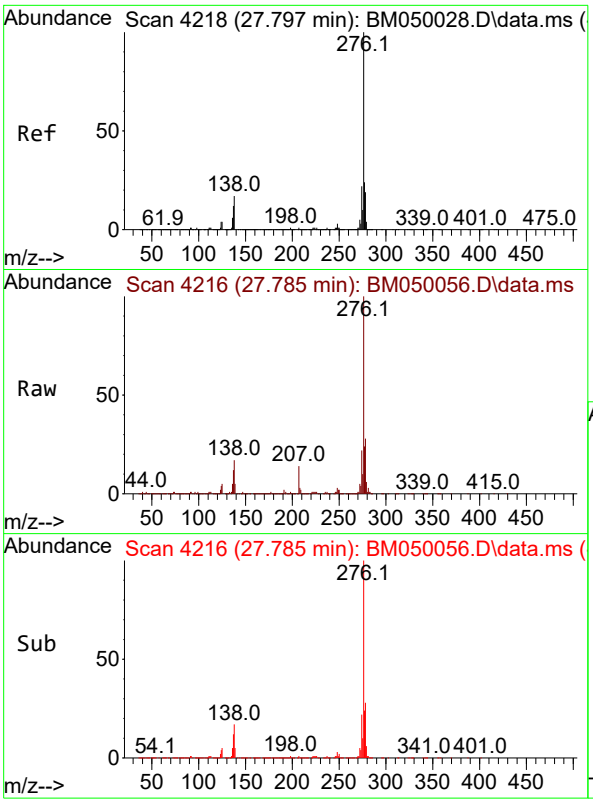


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.391 min Scan# 3639
Delta R.T. -0.012 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:264 Resp: 991820

Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.8	28.2
265	22.3	17.0	25.4



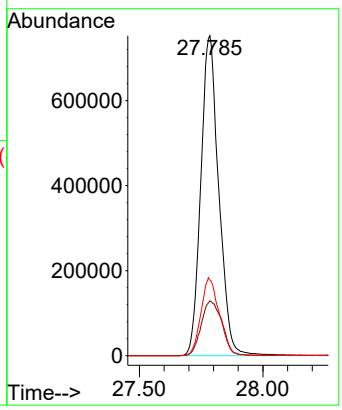


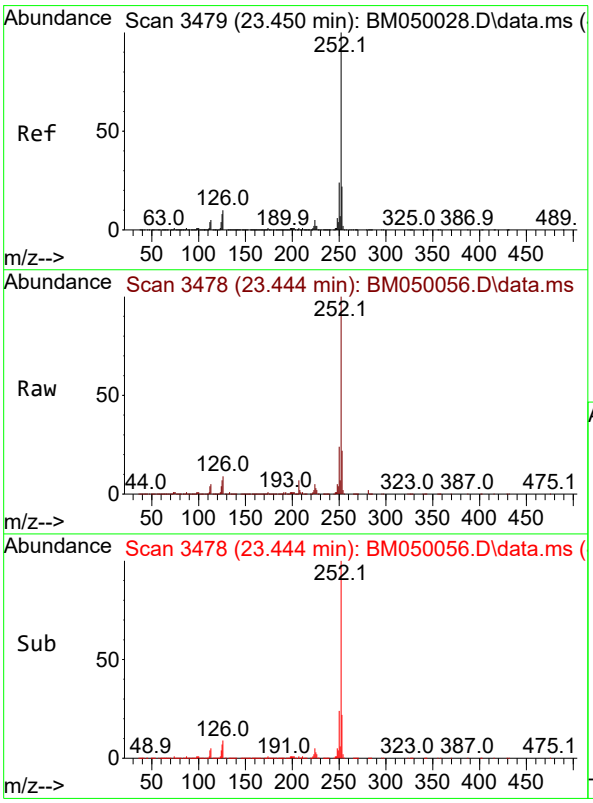
#87
Indeno(1,2,3-cd)pyrene
Concen: 51.452 ng
RT: 27.785 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion:276 Resp: 3802462

Ion	Ratio	Lower	Upper
276	100		
138	19.9	16.4	24.6
277	25.0	19.8	29.8

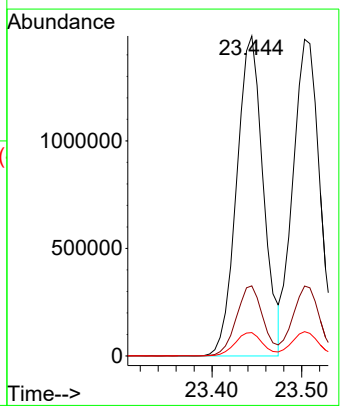


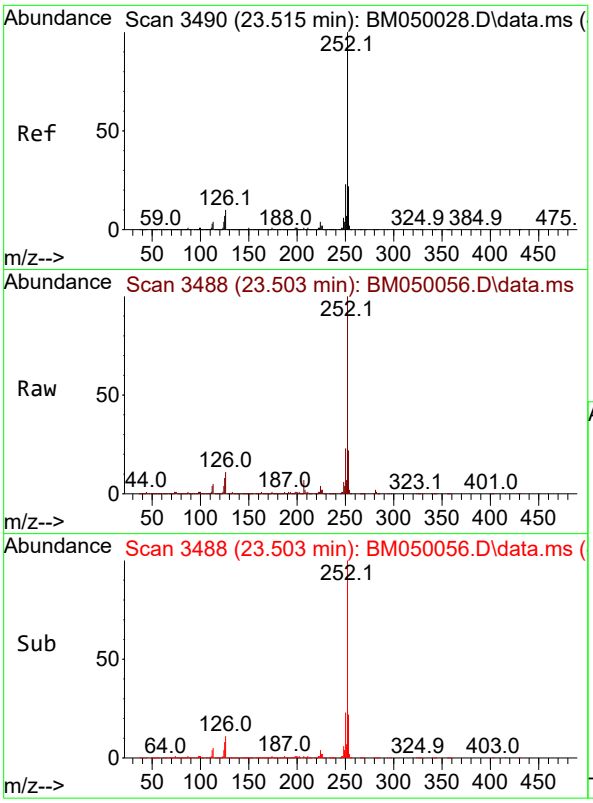


#88
Benzo(b)fluoranthene
Concen: 47.637 ng
RT: 23.444 min Scan# 3478
Delta R.T. -0.006 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:252 Resp: 3072621

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	7.3	6.1	9.1



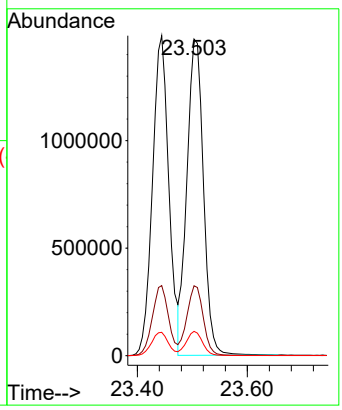


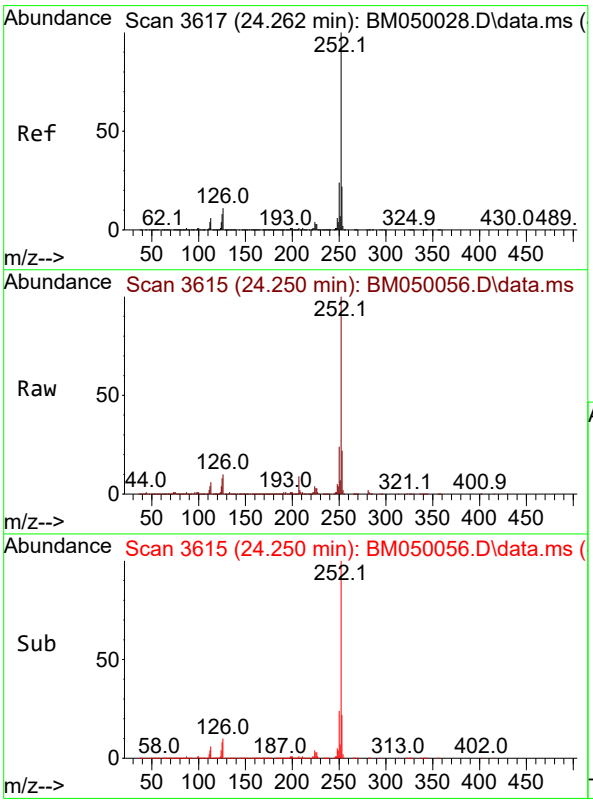
#89
Benzo(k)fluoranthene
Concen: 47.074 ng
RT: 23.503 min Scan# 34
Delta R.T. -0.012 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion:252 Resp: 3071354

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	7.7	5.8	8.8

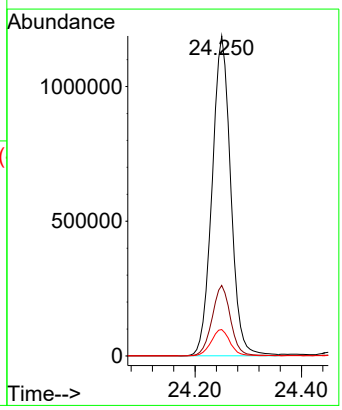


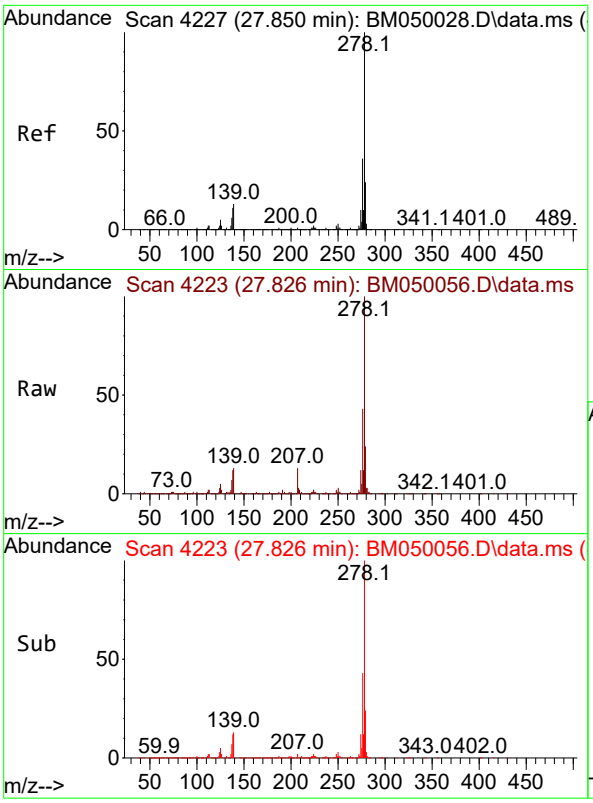


#90
Benzo(a)pyrene
Concen: 47.701 ng
RT: 24.250 min Scan# 3615
Delta R.T. -0.012 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:252 Resp: 2881740

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.0
125	8.3	6.6	9.8



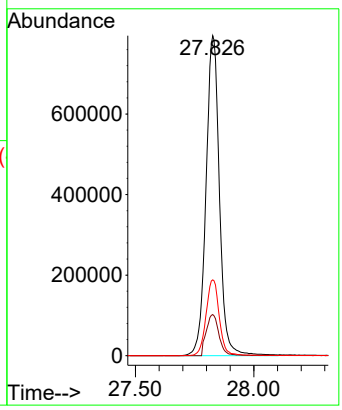


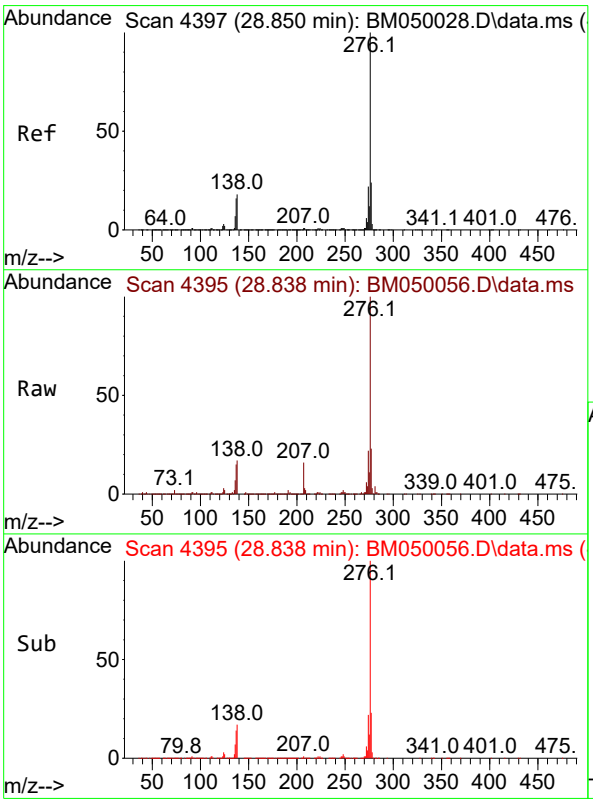
#91
Dibenzo(a,h)anthracene
Concen: 51.930 ng
RT: 27.826 min Scan# 4
Delta R.T. -0.024 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Instrument :
BNA_M
ClientSampleId :
PB167767BS

Tgt Ion:278 Resp: 3128406

Ion	Ratio	Lower	Upper
278	100		
139	12.8	10.5	15.7
279	23.7	19.4	29.0

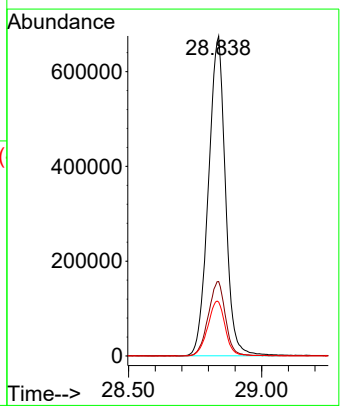




#92
Benzo(g,h,i)perylene
Concen: 51.741 ng
RT: 28.838 min Scan# 4395
Delta R.T. -0.012 min
Lab File: BM050056.D
Acq: 30 Apr 2025 22:36

Tgt Ion:276 Resp: 2984145

Ion	Ratio	Lower	Upper
276	100		
277	23.2	19.1	28.7
138	16.8	14.3	21.5



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

Report of Analysis

Client:	Nobis Group			Date Collected:	
Project:	Raymark Superfund Site			Date Received:	
Client Sample ID:	PB167836BS			SDG No.:	Q1883
Lab Sample ID:	PB167836BS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	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 :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024524.D	1	05/02/25 10:10	05/05/25 13:59	PB167836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	1.40		0.023	0.13	0.17	mg/Kg
91-57-6	2-Methylnaphthalene	1.20		0.026	0.13	0.17	mg/Kg
208-96-8	Acenaphthylene	1.50		0.029	0.13	0.17	mg/Kg
83-32-9	Acenaphthene	1.40		0.021	0.13	0.17	mg/Kg
86-73-7	Fluorene	1.40		0.025	0.13	0.17	mg/Kg
85-01-8	Phenanthrene	1.50		0.021	0.13	0.17	mg/Kg
120-12-7	Anthracene	1.60		0.033	0.13	0.17	mg/Kg
206-44-0	Fluoranthene	1.50		0.030	0.13	0.17	mg/Kg
129-00-0	Pyrene	1.40		0.036	0.13	0.17	mg/Kg
56-55-3	Benzo(a)anthracene	1.50		0.023	0.13	0.17	mg/Kg
218-01-9	Chrysene	1.40		0.020	0.13	0.17	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.40		0.019	0.13	0.17	mg/Kg
207-08-9	Benzo(k)fluoranthene	1.40		0.022	0.13	0.17	mg/Kg
50-32-8	Benzo(a)pyrene	1.60		0.030	0.13	0.17	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.50		0.029	0.13	0.17	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	1.50		0.027	0.13	0.17	mg/Kg
191-24-2	Benzo(g,h,i)perylene	1.50		0.026	0.13	0.17	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	84.0		37 - 122		84%	SPK: 100
321-60-8	2-Fluorobiphenyl	83.8		44 - 115		84%	SPK: 100
1718-51-0	Terphenyl-d14	87.7		54 - 127		88%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	155000	7.71				
1146-65-2	Naphthalene-d8	618000	10.481				
15067-26-2	Acenaphthene-d10	391000	14.339				
1517-22-2	Phenanthrene-d10	762000	17.145				
1719-03-5	Chrysene-d12	876000	21.592				
1520-96-3	Perylene-d12	1060000	24.939				

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

Report of Analysis

Client:	Nobis Group			Date Collected:	
Project:	Raymark Superfund Site			Date Received:	
Client Sample ID:	PB167836BS			SDG No.:	Q1883
Lab Sample ID:	PB167836BS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.02	Units: g		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 :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024524.D	1	05/02/25 10:10	05/05/25 13:59	PB167836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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\BP050525\
Data File : BP024524.D
Acq On : 05 May 2025 13:59
Operator : RC/JU
Sample : PB167836BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Quant Time: May 05 14:24:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	155374	20.000	ng	-0.01
21) Naphthalene-d8	10.481	136	617500	20.000	ng	#-0.02
39) Acenaphthene-d10	14.339	164	391114	20.000	ng	-0.01
64) Phenanthrene-d10	17.145	188	761966	20.000	ng	# 0.00
76) Chrysene-d12	21.592	240	876116	20.000	ng	0.00
86) Perylene-d12	24.939	264	1058529	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	1196577	127.337	ng	-0.01
7) Phenol-d6	6.899	99	1480976	115.099	ng	-0.01
23) Nitrobenzene-d5	8.857	82	909551	83.990	ng	-0.01
42) 2,4,6-Tribromophenol	15.863	330	820508	151.629	ng	0.00
45) 2-Fluorobiphenyl	12.951	172	2140635	83.800	ng	-0.01
79) Terphenyl-d14	19.869	244	3810818	87.674	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.281	88	130788	32.905	ng	# 94
3) Pyridine	3.669	79	342343	32.618	ng	91
4) n-Nitrosodimethylamine	3.581	42	159864	45.895	ng	# 74
6) Aniline	7.046	93	358518	31.181	ng	97
8) 2-Chlorophenol	7.287	128	461335	43.972	ng	99
9) Benzaldehyde	6.863	77	194703	30.590	ng	99
10) Phenol	6.928	94	536579	41.571	ng	93
11) bis(2-Chloroethyl)ether	7.140	93	392094	37.702	ng	98
12) 1,3-Dichlorobenzene	7.599	146	474651	42.023	ng	99
13) 1,4-Dichlorobenzene	7.746	146	480666	41.943	ng	100
14) 1,2-Dichlorobenzene	8.057	146	463162	41.854	ng	98
15) Benzyl Alcohol	7.952	79	378601	45.499	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.234	45	449705	40.006	ng	100
17) 2-Methylphenol	8.157	107	371424	44.482	ng	97
18) Hexachloroethane	8.775	117	180531	43.590	ng	97
19) n-Nitroso-di-n-propyla...	8.510	70	304060	38.197	ng	94
20) 3+4-Methylphenols	8.481	107	507795	43.829	ng	97
22) Acetophenone	8.528	105	637314	41.699	ng	# 97
24) Nitrobenzene	8.899	77	460316	42.968	ng	98
25) Isophorone	9.422	82	842301	42.971	ng	97
26) 2-Nitrophenol	9.604	139	246739	47.064	ng	# 94
27) 2,4-Dimethylphenol	9.669	122	418270	63.540	ng	98
28) bis(2-Chloroethoxy)met...	9.899	93	526831	39.786	ng	99
29) 2,4-Dichlorophenol	10.146	162	418991	46.681	ng	97
30) 1,2,4-Trichlorobenzene	10.346	180	427836	44.489	ng	98
31) Naphthalene	10.528	128	1324775	40.728	ng	100
32) Benzoic acid	9.828	122	309994	40.414	ng	98
33) 4-Chloroaniline	10.646	127	203083	17.729	ng	98
34) Hexachlorobutadiene	10.816	225	271858	48.107	ng	99
35) Caprolactam	11.440	113	143986	43.476	ng	98
36) 4-Chloro-3-methylphenol	11.781	107	473668	45.307	ng	99
37) 2-Methylnaphthalene	12.140	142	846327	37.517	ng	98
38) 1-Methylnaphthalene	12.369	142	886967	40.192	ng	100
40) 1,2,4,5-Tetrachloroben...	12.516	216	480361	44.661	ng	99
41) Hexachlorocyclopentadiene	12.492	237	670149	176.170	ng	99
43) 2,4,6-Trichlorophenol	12.763	196	339421	47.465	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050525\
Data File : BP024524.D
Acq On : 05 May 2025 13:59
Operator : RC/JU
Sample : PB167836BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Quant Time: May 05 14:24:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

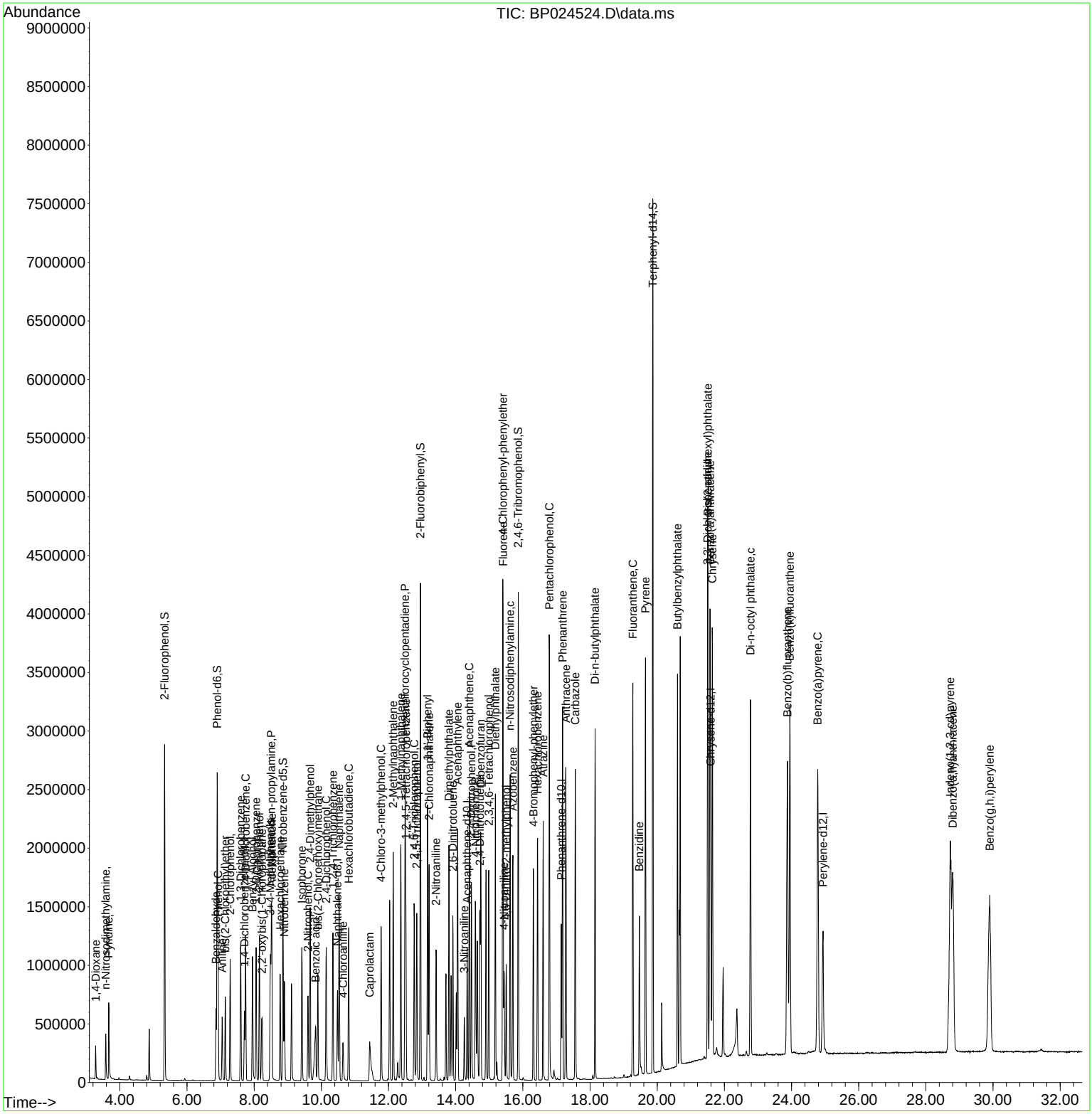
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.840	196	374663	47.313	ng		99
46) 1,1'-Biphenyl	13.163	154	1210978	42.123	ng		98
47) 2-Chloronaphthalene	13.210	162	925091	43.054	ng		97
48) 2-Nitroaniline	13.416	65	289004	47.951	ng		94
49) Acenaphthylene	14.057	152	1553928	45.935	ng		99
50) Dimethylphthalate	13.798	163	1230208	43.252	ng		99
51) 2,6-Dinitrotoluene	13.916	165	275476	45.611	ng		91
52) Acenaphthene	14.404	154	886821	41.350	ng		100
53) 3-Nitroaniline	14.257	138	138981	21.894	ng		96
54) 2,4-Dinitrophenol	14.469	184	363876	102.279	ng		89
55) Dibenzofuran	14.745	168	1422679	40.583	ng		96
56) 4-Nitrophenol	14.586	139	521998	95.215	ng		91
57) 2,4-Dinitrotoluene	14.722	165	396142	48.082	ng		98
58) Fluorene	15.410	166	1153162	42.493	ng		99
59) 2,3,4,6-Tetrachlorophenol	14.986	232	341287	46.729	ng		99
60) Diethylphthalate	15.181	149	1231042	42.000	ng		100
61) 4-Chlorophenyl-phenyle...	15.404	204	563774	42.781	ng		99
62) 4-Nitroaniline	15.445	138	287116	42.726	ng		88
63) Azobenzene	15.704	77	1073041	39.831	ng		97
65) 4,6-Dinitro-2-methylph...	15.504	198	230143	47.907	ng		96
66) n-Nitrosodiphenylamine	15.622	169	1020809	44.885	ng		99
67) 4-Bromophenyl-phenylether	16.316	248	387884	46.545	ng		100
68) Hexachlorobenzene	16.439	284	480161	48.489	ng		97
69) Atrazine	16.604	200	384613	66.399	ng		98
70) Pentachlorophenol	16.792	266	677371	98.053	ng		99
71) Phenanthrene	17.186	178	1820467	43.796	ng		99
72) Anthracene	17.280	178	1864164	46.532	ng		99
73) Carbazole	17.563	167	1771505	45.256	ng		99
74) Di-n-butylphthalate	18.151	149	2239523	45.922	ng		100
75) Fluoranthene	19.274	202	2183612	44.169	ng		97
77) Benzidine	19.469	184	849820	76.522	ng		99
78) Pyrene	19.651	202	2262502	40.635	ng		99
80) Butylbenzylphthalate	20.604	149	1085550	45.519	ng		99
81) Benzo(a)anthracene	21.574	228	2437272	44.757	ng		100
82) 3,3'-Dichlorobenzidine	21.498	252	533046	27.889	ng		100
83) Chrysene	21.639	228	2266044	43.435	ng		100
84) Bis(2-ethylhexyl)phtha...	21.510	149	1591637	45.527	ng		100
85) Di-n-octyl phthalate	22.780	149	2791472	49.115	ng		100
87) Indeno(1,2,3-cd)pyrene	28.727	276	3415216	46.473	ng		97
88) Benzo(b)fluoranthene	23.880	252	2747246	43.298	ng	#	97
89) Benzo(k)fluoranthene	23.951	252	2648737	43.218	ng	#	98
90) Benzo(a)pyrene	24.780	252	2622034	47.908	ng	#	97
91) Dibenzo(a,h)anthracene	28.797	278	2821392	46.255	ng		98
92) Benzo(g,h,i)perylene	29.903	276	2728716	43.950	ng		95

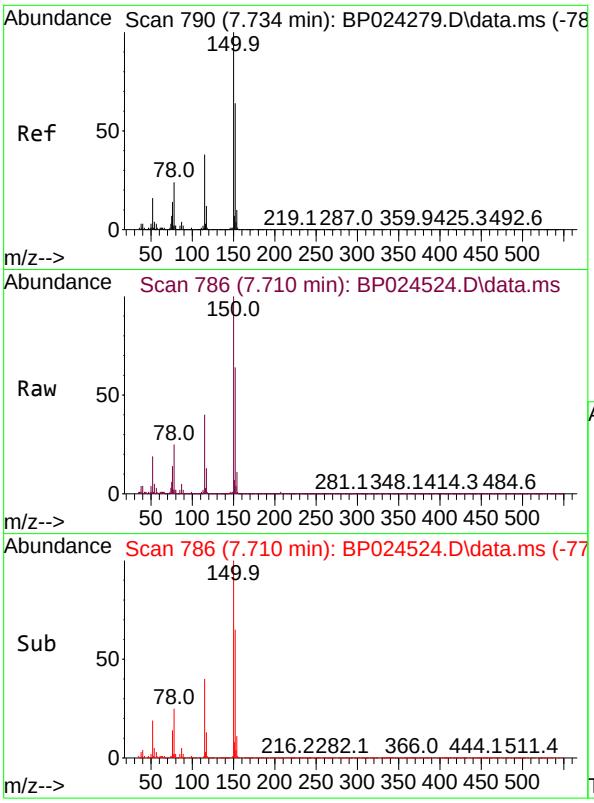
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050525\
Data File : BP024524.D
Acq On : 05 May 2025 13:59
Operator : RC/JU
Sample : PB167836BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Quant Time: May 05 14:24:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration



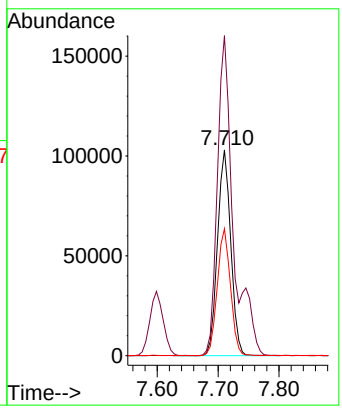


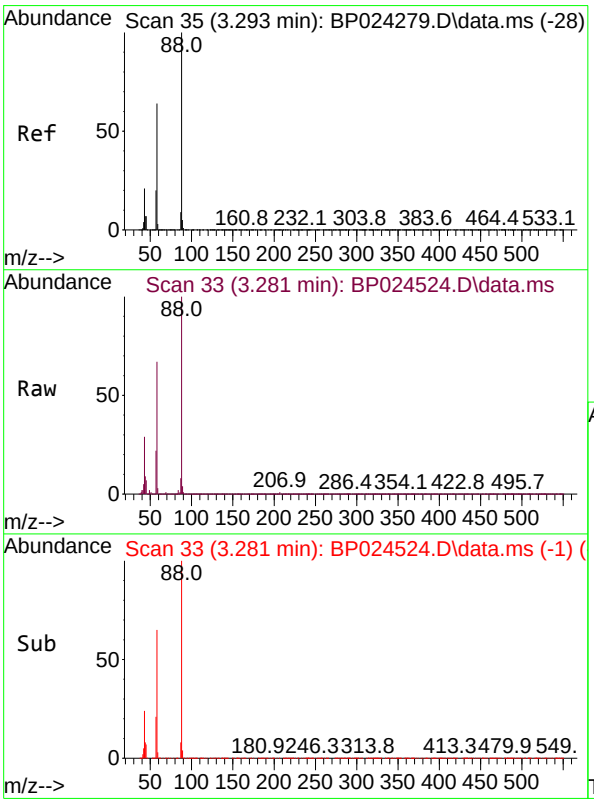
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.710 min Scan# 7
Delta R.T. -0.012 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion:152 Resp: 155374

Ion	Ratio	Lower	Upper
152	100		
150	155.5	124.9	187.3
115	61.6	47.7	71.5

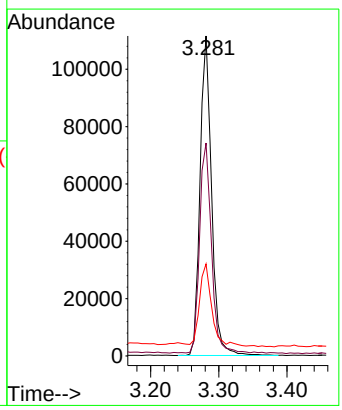


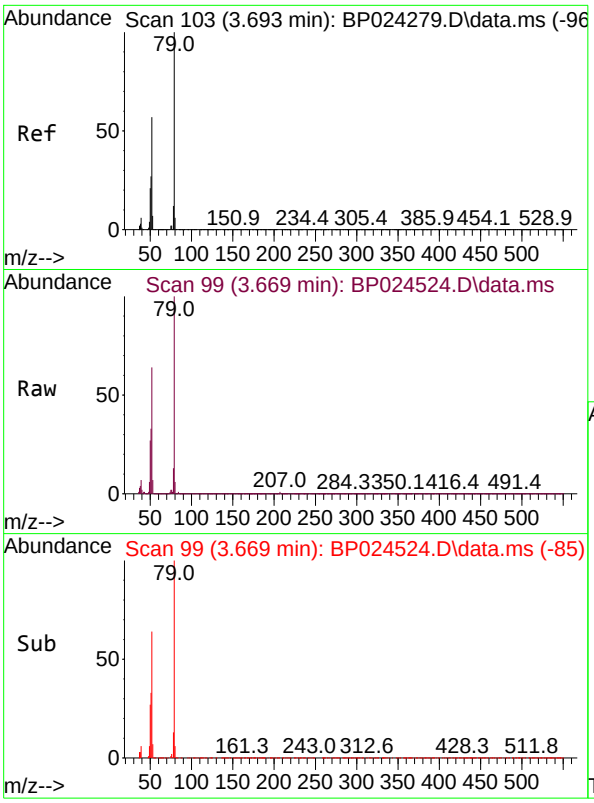


#2
1,4-Dioxane
Concen: 32.905 ng
RT: 3.281 min Scan# 33
Delta R.T. -0.006 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion: 88 Resp: 130788

Ion	Ratio	Lower	Upper
88	100		
58	67.1	51.4	77.2
43	28.5	17.1	25.7#



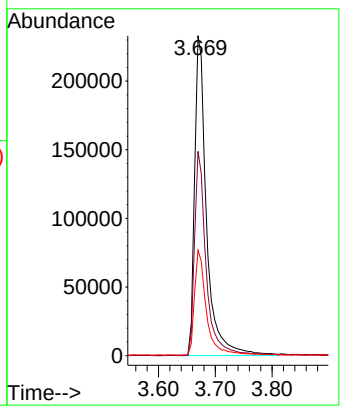


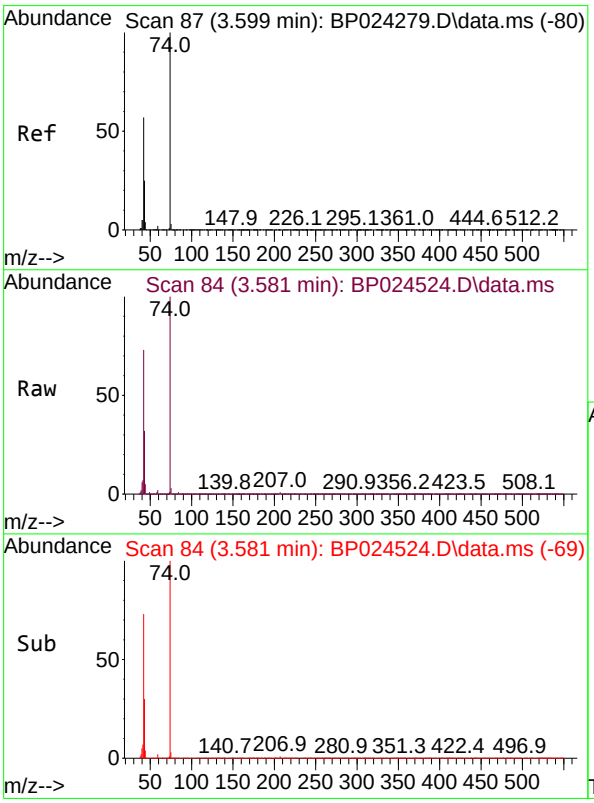
#3
Pyridine
Concen: 32.618 ng
RT: 3.669 min Scan# 9
Delta R.T. -0.018 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion: 79 Resp: 342343

Ion	Ratio	Lower	Upper
79	100		
52	63.8	45.4	68.2
51	32.9	22.6	33.8

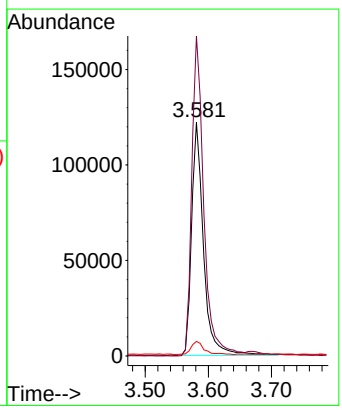


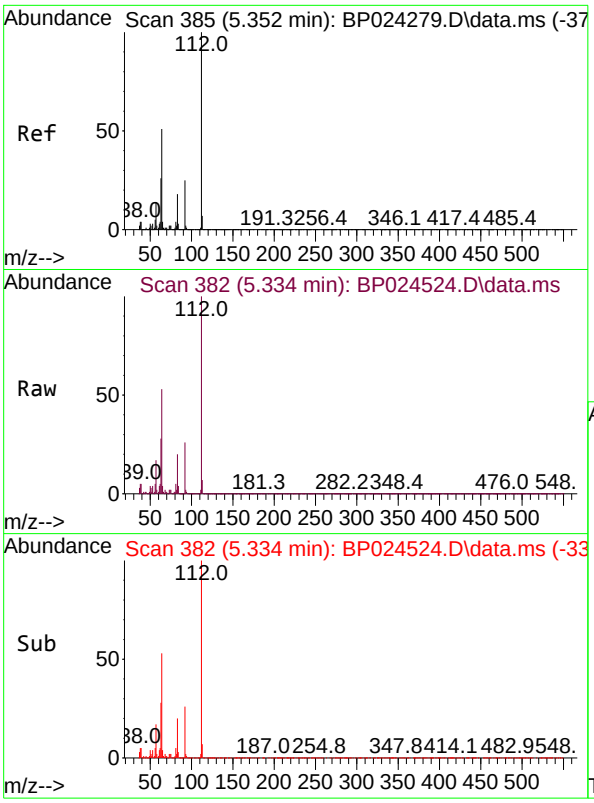


#4
n-Nitrosodimethylamine
Concen: 45.895 ng
RT: 3.581 min Scan# 84
Delta R.T. -0.012 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion: 42 Resp: 159864

Ion	Ratio	Lower	Upper
42	100		
74	136.9	139.5	209.3#
44	6.2	5.8	8.8



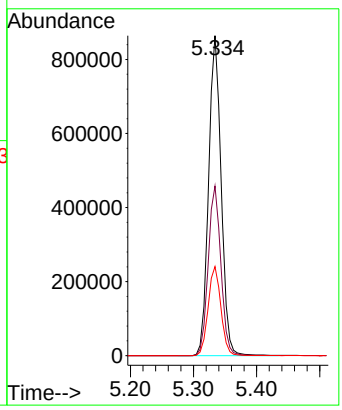


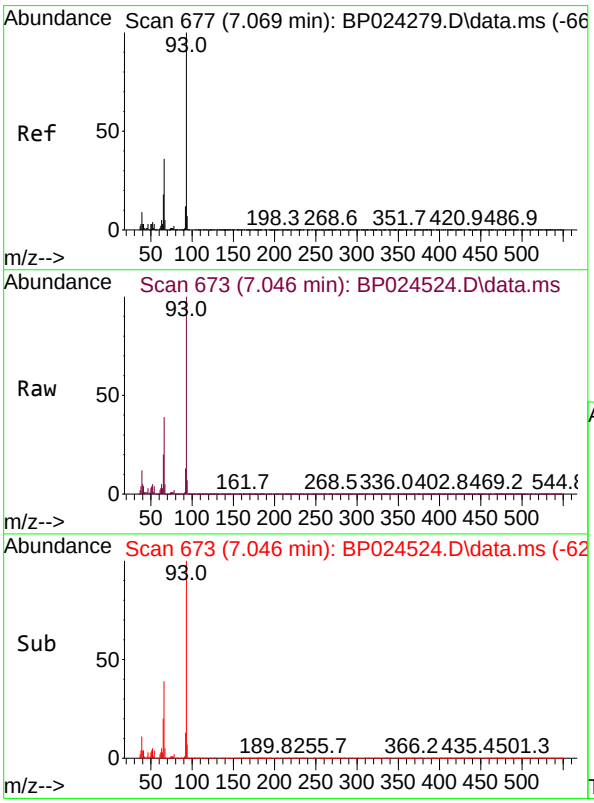
#5
2-Fluorophenol
Concen: 127.337 ng
RT: 5.334 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion:112 Resp: 1196577

Ion	Ratio	Lower	Upper
112	100		
64	53.0	41.1	61.7
63	27.9	20.6	30.8

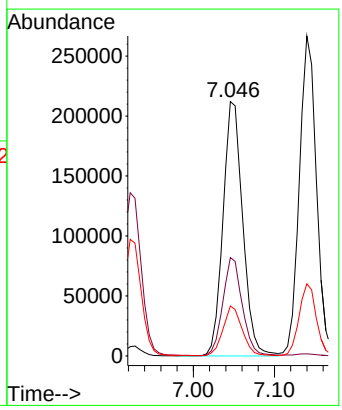


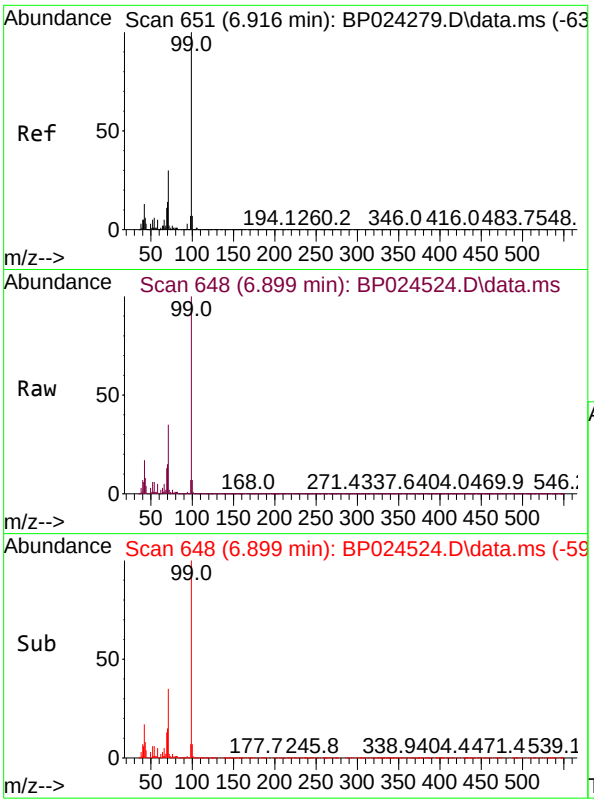


#6
Aniline
Concen: 31.181 ng
RT: 7.046 min Scan# 673
Delta R.T. -0.018 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion: 93 Resp: 358518

Ion	Ratio	Lower	Upper
93	100		
66	38.7	29.1	43.7
65	19.6	14.7	22.1



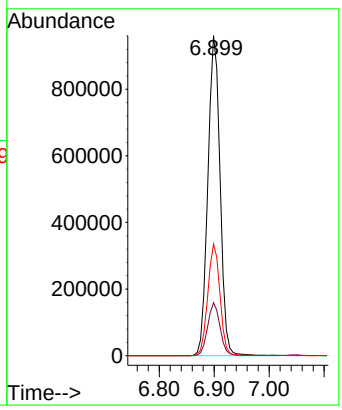


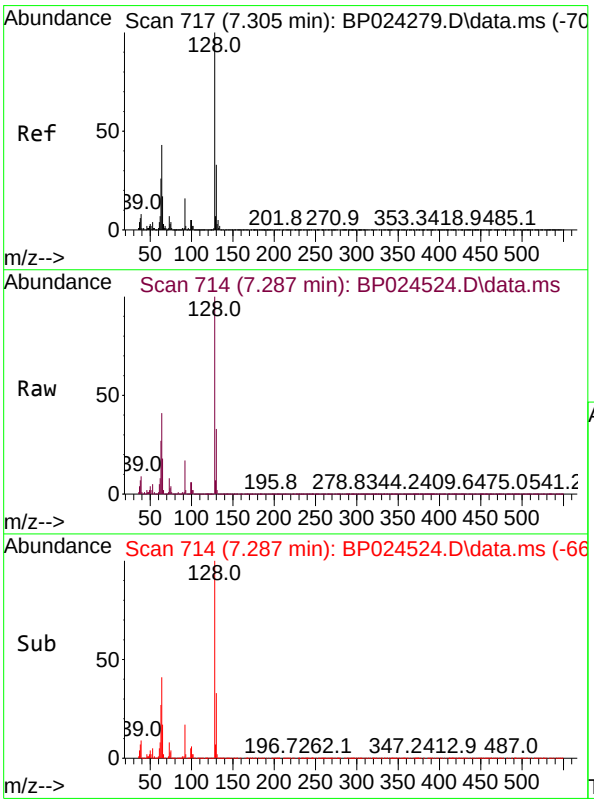
#7
Phenol-d6
Concen: 115.099 ng
RT: 6.899 min Scan# 64
Delta R.T. -0.012 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion: 99 Resp: 1480976

Ion	Ratio	Lower	Upper
99	100		
42	16.5	10.6	16.0#
71	34.9	23.7	35.5

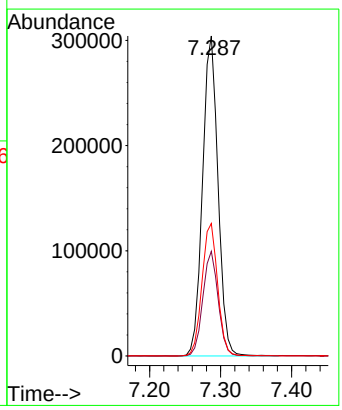


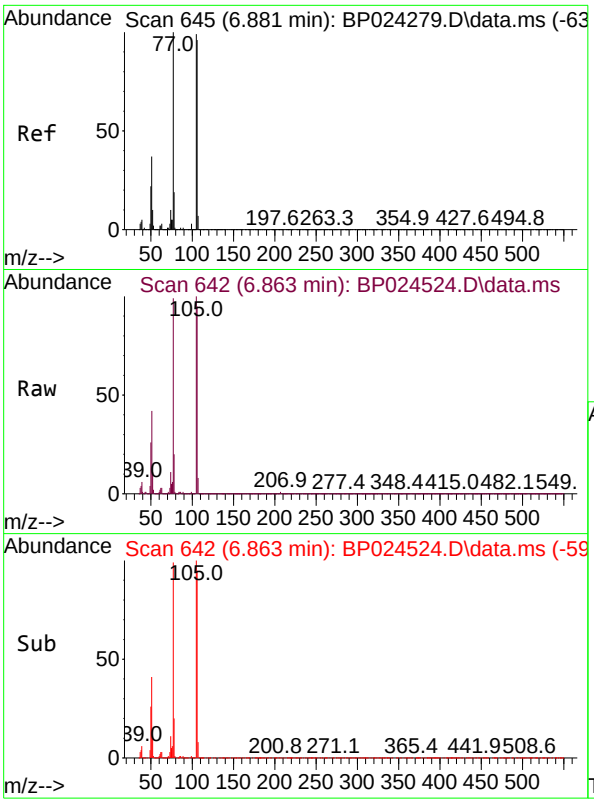


#8
2-Chlorophenol
Concen: 43.972 ng
RT: 7.287 min Scan# 714
Delta R.T. -0.012 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion:128 Resp: 461335

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.9	52.9
64	41.4	22.7	62.7



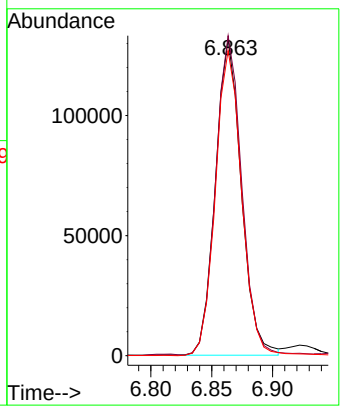


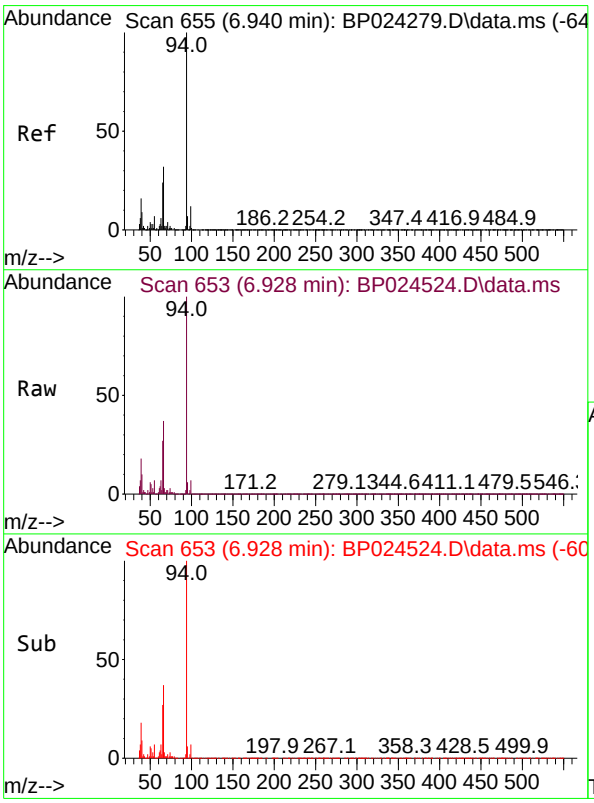
#9
Benzaldehyde
Concen: 30.590 ng
RT: 6.863 min Scan# 64
Delta R.T. -0.018 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion: 77 Resp: 194703

Ion	Ratio	Lower	Upper
77	100		
105	101.1	79.2	119.2
106	96.4	76.2	116.2

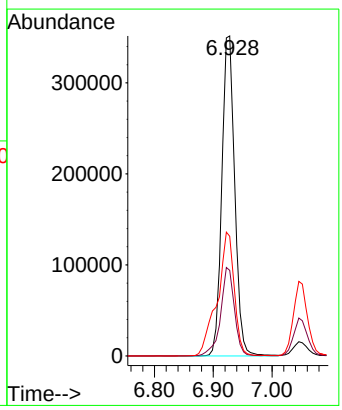


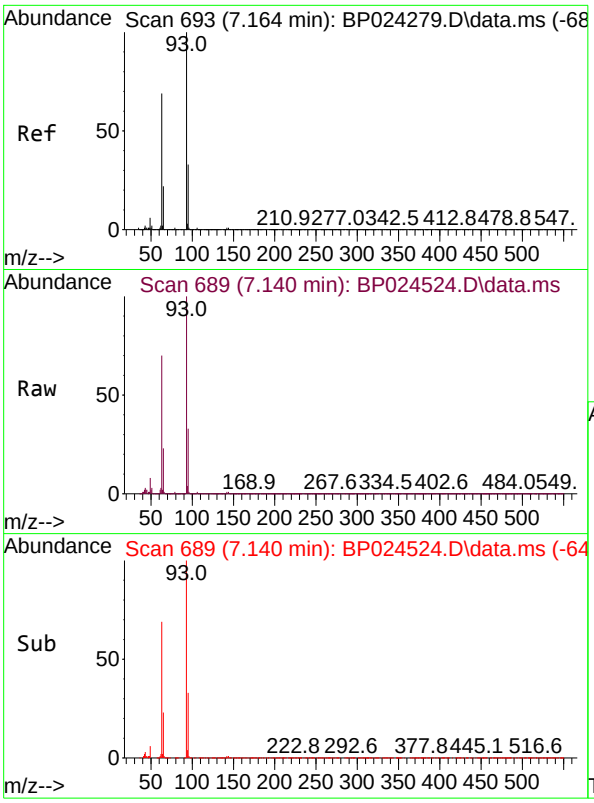


#10
Phenol
Concen: 41.571 ng
RT: 6.928 min Scan# 653
Delta R.T. -0.012 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion: 94 Resp: 536579

Ion	Ratio	Lower	Upper
94	100		
65	26.8	4.5	44.5
66	37.4	12.4	52.4



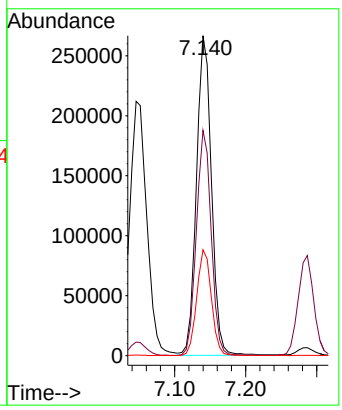


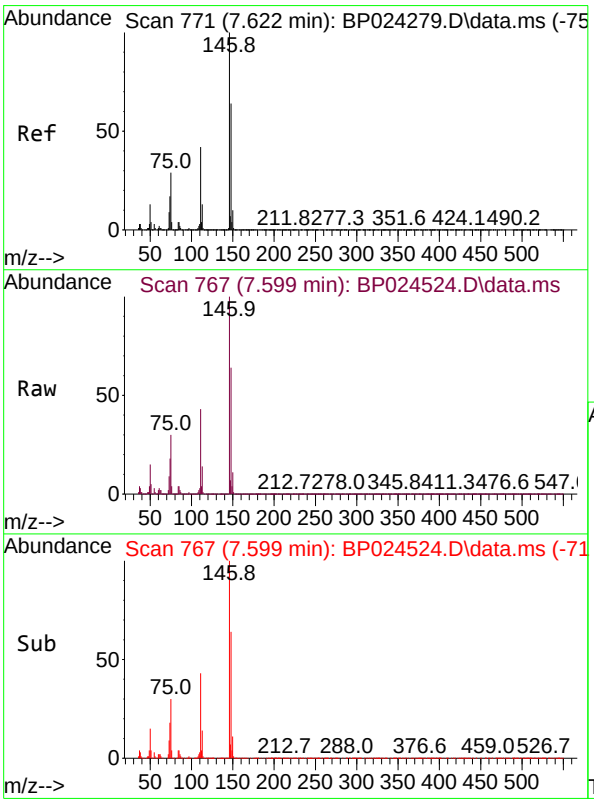
#11
bis(2-Chloroethyl)ether
Concen: 37.702 ng
RT: 7.140 min Scan# 6
Delta R.T. -0.018 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion: 93 Resp: 392094

Ion	Ratio	Lower	Upper
93	100		
63	70.4	48.6	88.6
95	33.1	12.3	52.3

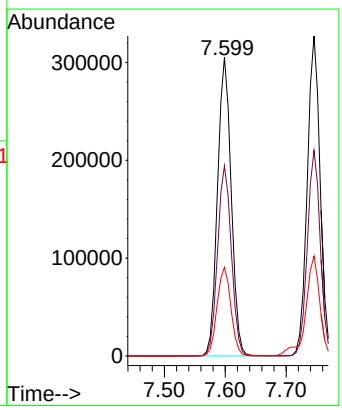


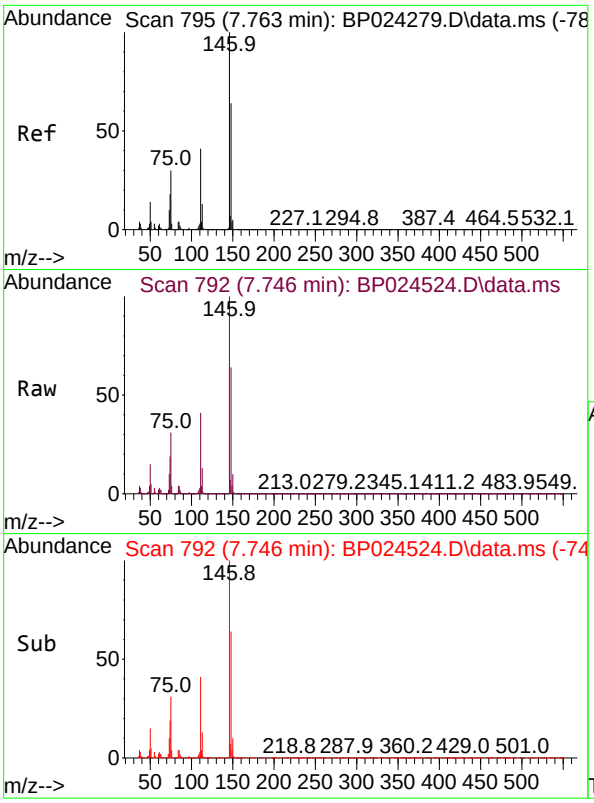


#12
1,3-Dichlorobenzene
Concen: 42.023 ng
RT: 7.599 min Scan# 767
Delta R.T. -0.018 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion:146 Resp: 474651

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.4	77.0
75	29.7	22.9	34.3



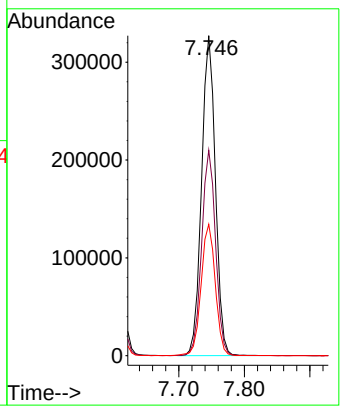


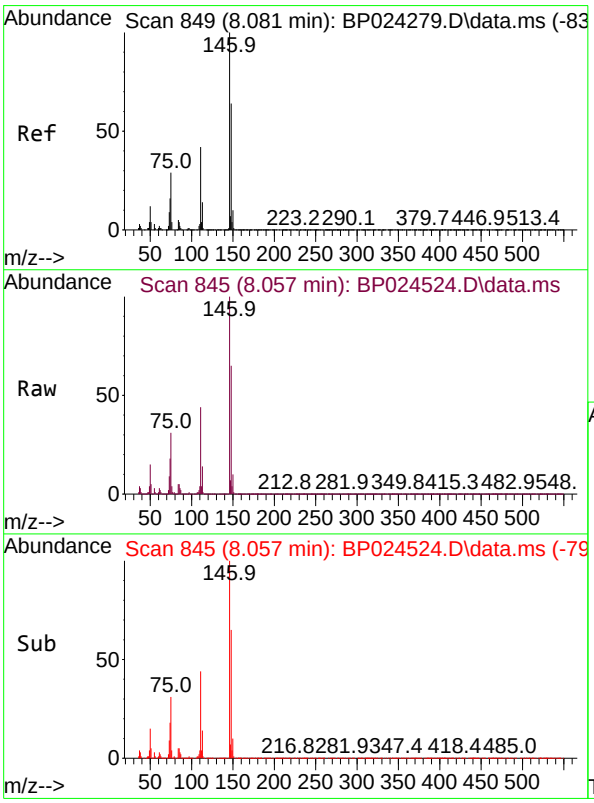
#13
1,4-Dichlorobenzene
Concen: 41.943 ng
RT: 7.746 min Scan# 7
Delta R.T. -0.012 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion:146 Resp: 480666

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.1	76.7
111	41.1	32.6	48.8

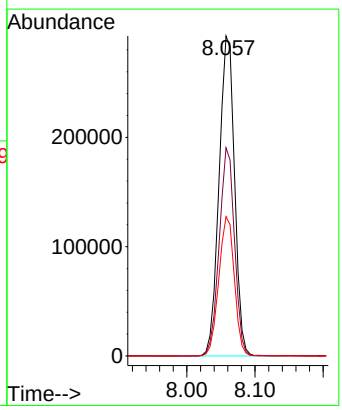


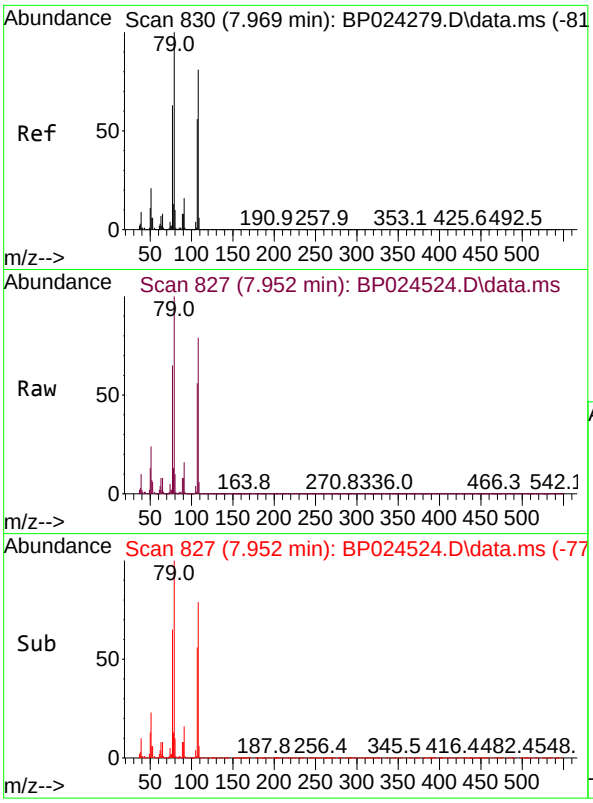


#14
1,2-Dichlorobenzene
Concen: 41.854 ng
RT: 8.057 min Scan# 845
Delta R.T. -0.018 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion:146 Resp: 463162

Ion	Ratio	Lower	Upper
146	100		
148	65.1	51.0	76.4
111	43.5	33.8	50.8



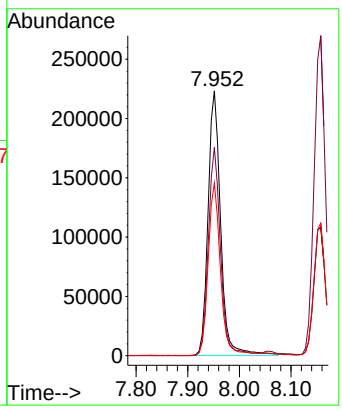


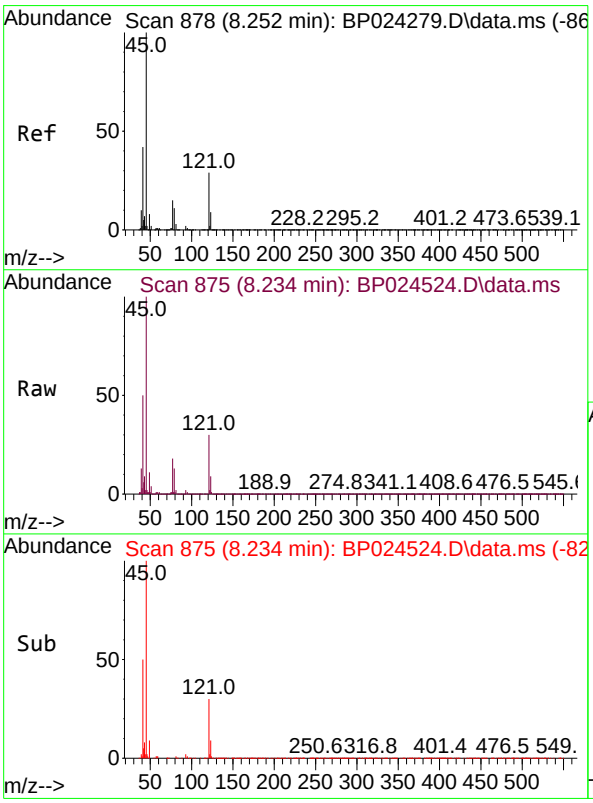
#15
Benzyl Alcohol
Concen: 45.499 ng
RT: 7.952 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion: 79 Resp: 378601

Ion	Ratio	Lower	Upper
79	100		
108	78.7	65.1	97.7
77	65.2	50.7	76.1

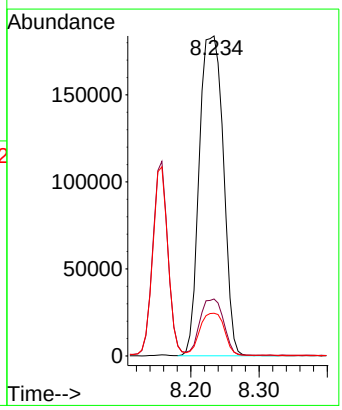


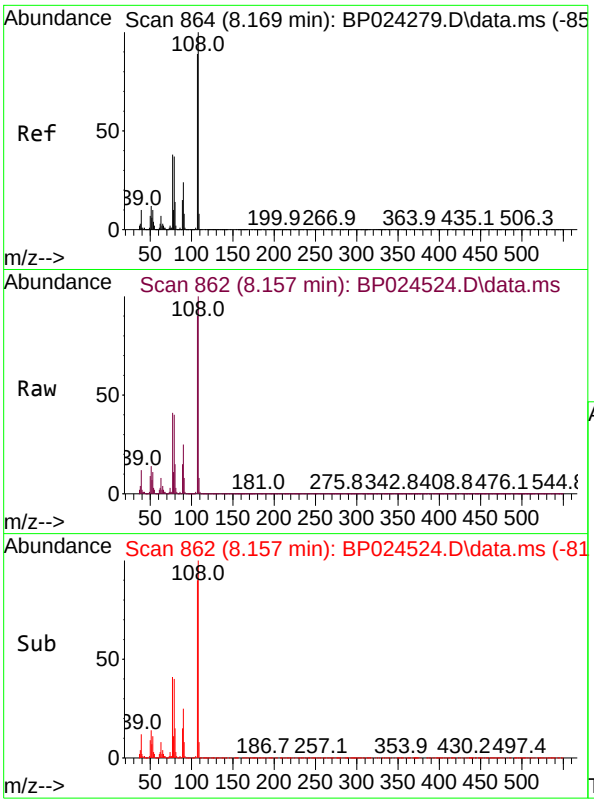


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.006 ng
RT: 8.234 min Scan# 875
Delta R.T. -0.012 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion: 45 Resp: 449705

Ion	Ratio	Lower	Upper
45	100		
77	17.8	0.0	37.7
79	13.3	0.0	33.5



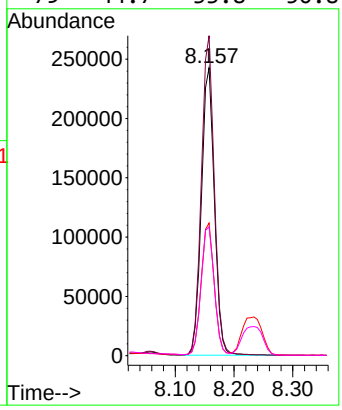


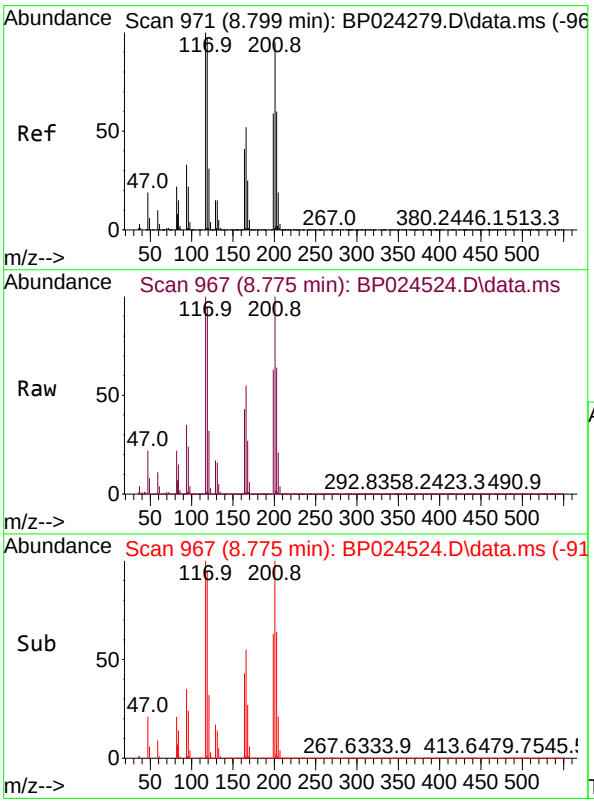
#17
2-Methylphenol
Concen: 44.482 ng
RT: 8.157 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion:107 Resp: 371424

Ion	Ratio	Lower	Upper
107	100		
108	111.1	89.8	134.6
77	46.0	34.2	51.4
79	44.7	33.8	50.8

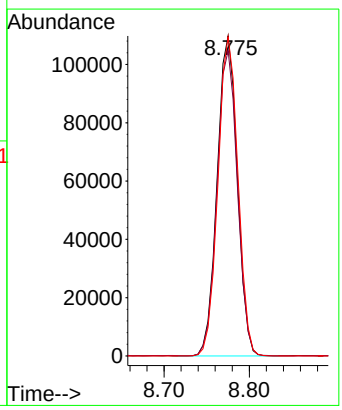


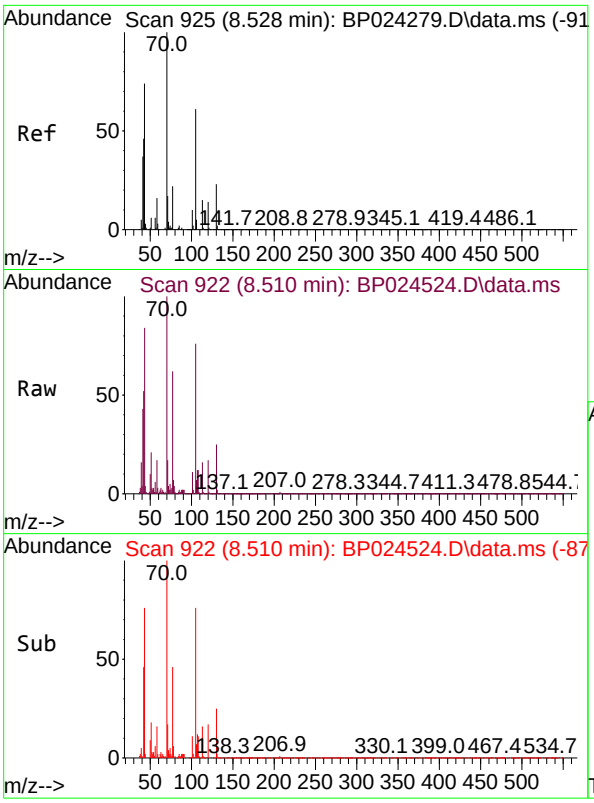


#18
Hexachloroethane
Concen: 43.590 ng
RT: 8.775 min Scan# 967
Delta R.T. -0.018 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion:117 Resp: 180531

Ion	Ratio	Lower	Upper
117	100		
119	95.5	77.8	116.6
201	99.8	75.9	113.9



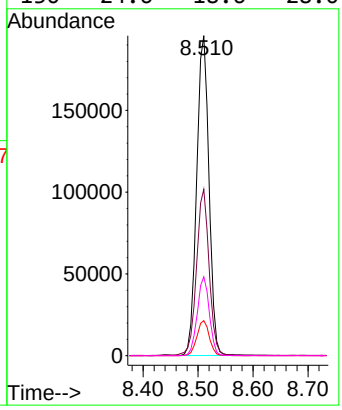


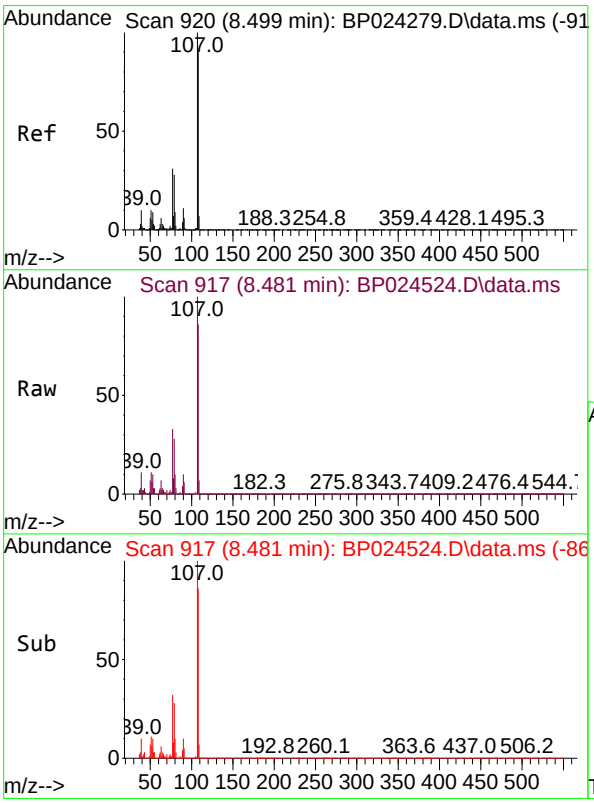
#19
n-Nitroso-di-n-propylamine
Concen: 38.197 ng
RT: 8.510 min Scan# 9
Delta R.T. -0.012 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion: 70 Resp: 304060

Ion	Ratio	Lower	Upper
70	100		
42	52.0	37.3	55.9
101	11.0	8.2	12.4
130	24.6	18.6	28.0

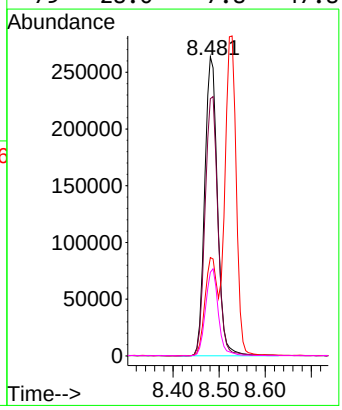


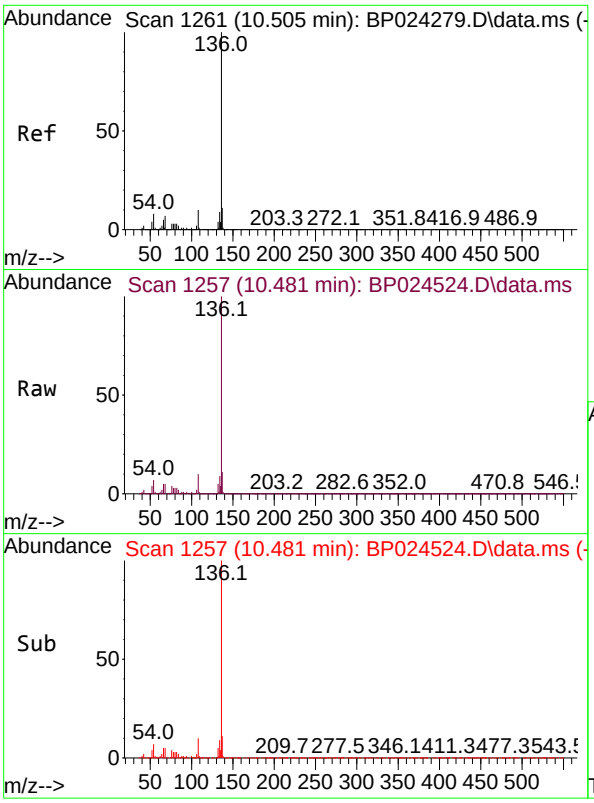


#20
3+4-Methylphenols
Concen: 43.829 ng
RT: 8.481 min Scan# 917
Delta R.T. -0.012 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion:107 Resp: 507795

Ion	Ratio	Lower	Upper
107	100		
108	86.0	69.8	109.8
77	32.9	11.5	51.5
79	28.0	7.8	47.8



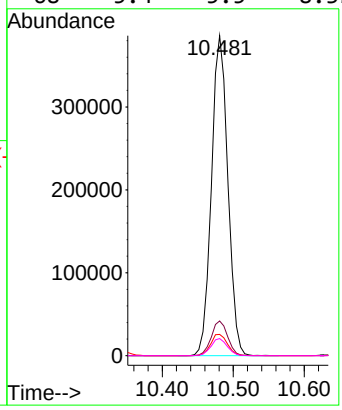


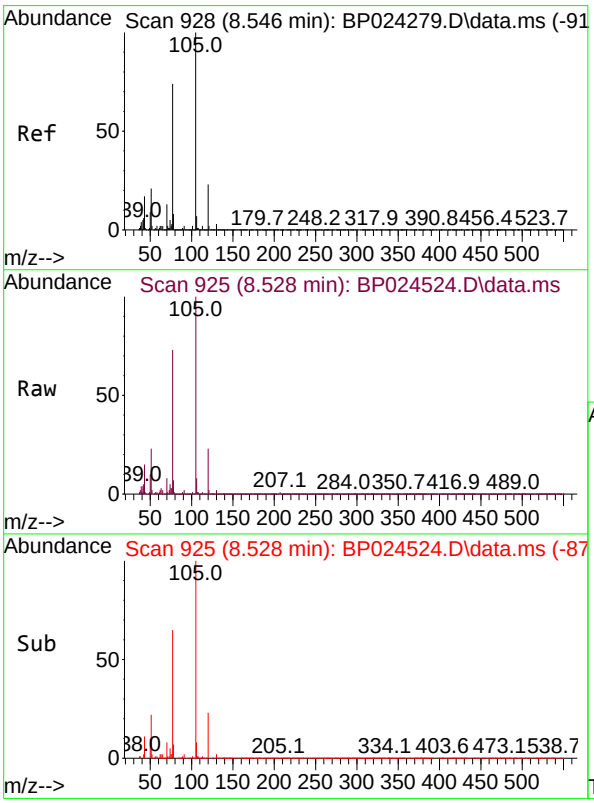
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.481 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion:136 Resp: 617500

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	6.6	6.0	9.0
68	5.4	5.5	8.3#

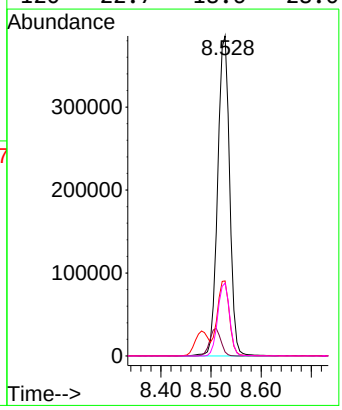


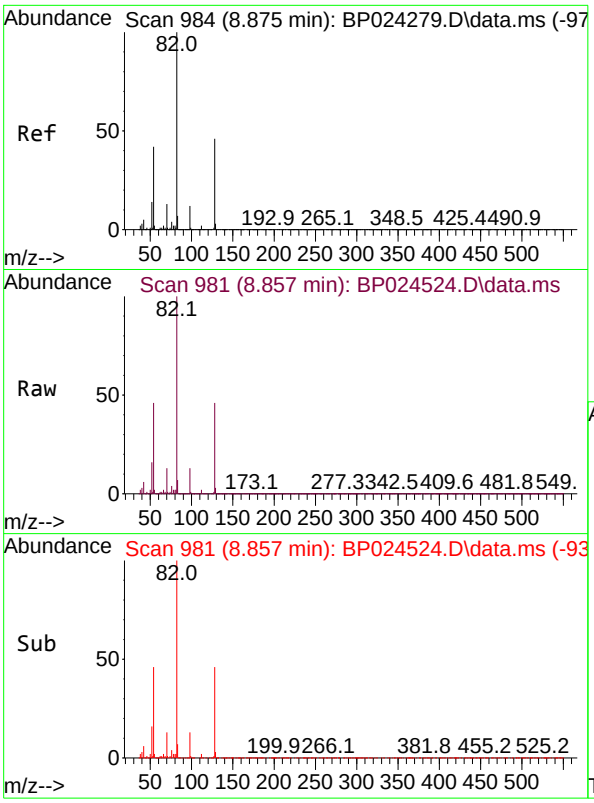


#22
Acetophenone
Concen: 41.699 ng
RT: 8.528 min Scan# 925
Delta R.T. -0.012 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion:105 Resp: 637314

Ion	Ratio	Lower	Upper
105	100		
71	1.3	1.7	2.5#
51	23.5	16.9	25.3
120	22.7	18.6	28.0



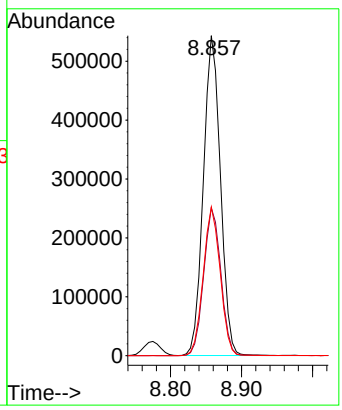


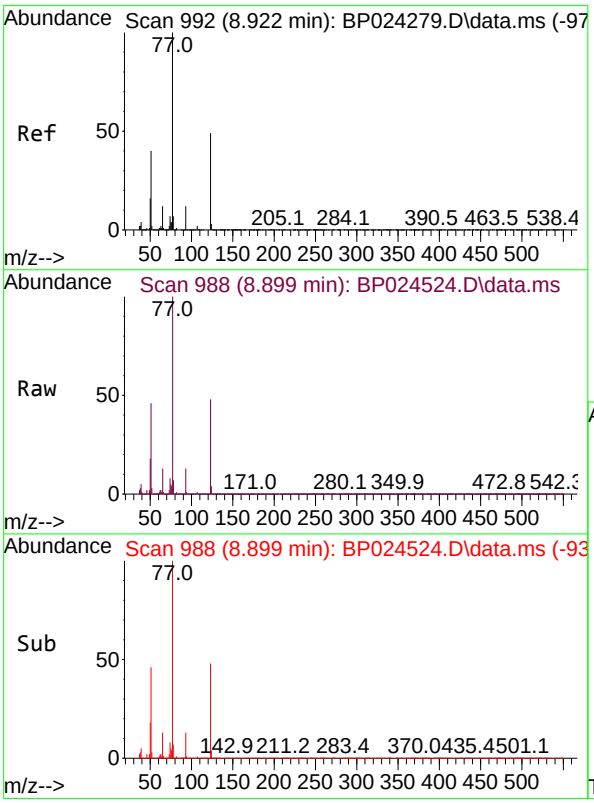
#23
Nitrobenzene-d5
Concen: 83.990 ng
RT: 8.857 min Scan# 9
Delta R.T. -0.012 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion: 82 Resp: 909551

Ion	Ratio	Lower	Upper
82	100		
128	46.2	36.5	54.7
54	46.5	33.4	50.2

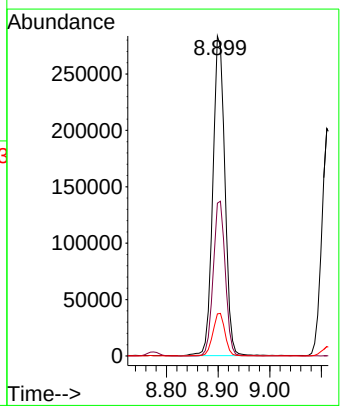


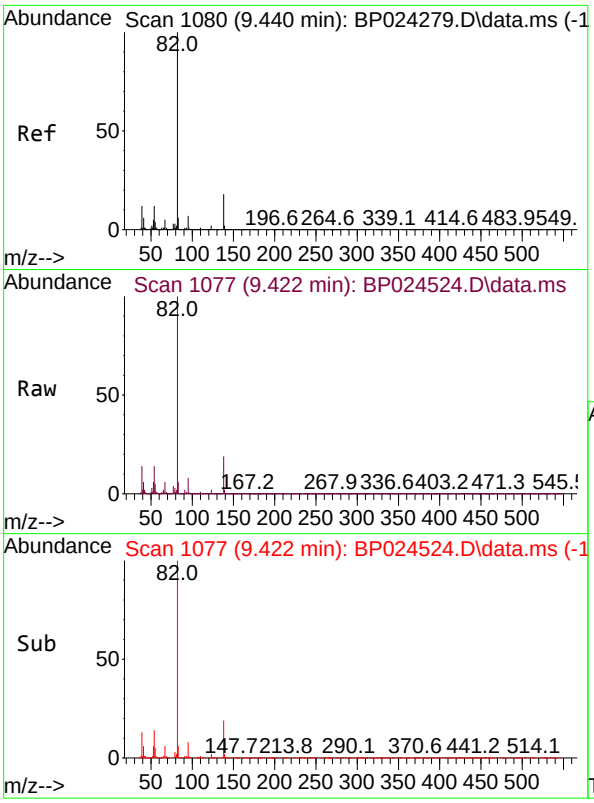


#24
Nitrobenzene
Concen: 42.968 ng
RT: 8.899 min Scan# 988
Delta R.T. -0.012 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion: 77 Resp: 460316

Ion	Ratio	Lower	Upper
77	100		
123	47.7	39.2	58.8
65	13.1	9.8	14.6



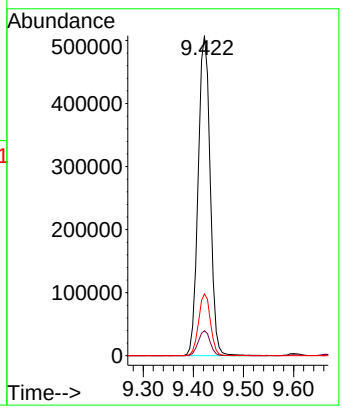


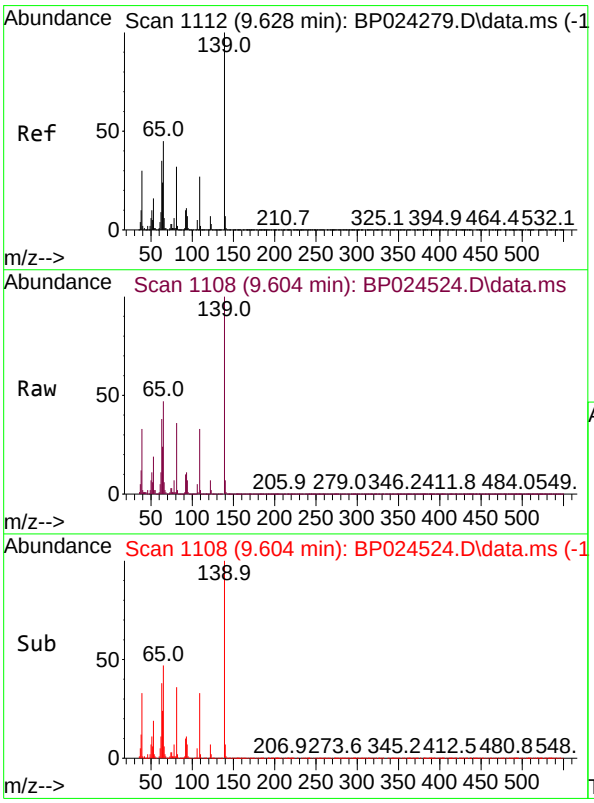
#25
Isophorone
Concen: 42.971 ng
RT: 9.422 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion: 82 Resp: 842301

Ion	Ratio	Lower	Upper
82	100		
95	7.8	5.4	8.2
138	19.3	14.4	21.6

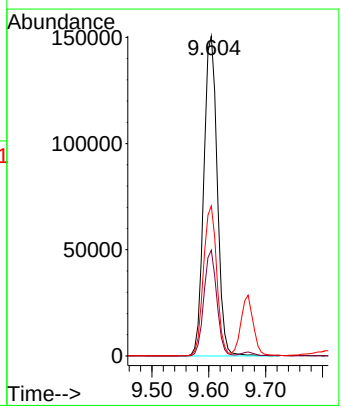


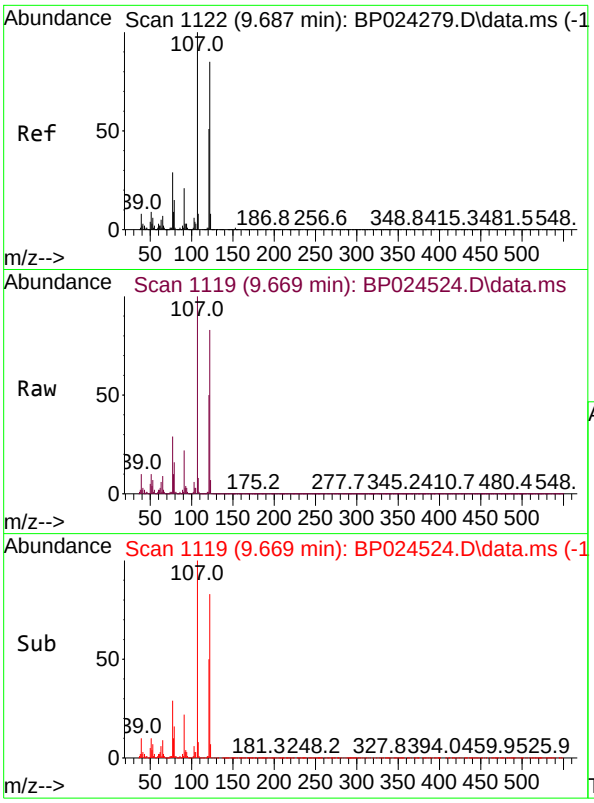


#26
2-Nitrophenol
Concen: 47.064 ng
RT: 9.604 min Scan# 1108
Delta R.T. -0.012 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion:139 Resp: 246739

Ion	Ratio	Lower	Upper
139	100		
109	33.0	21.8	32.6#
65	46.9	36.2	54.2



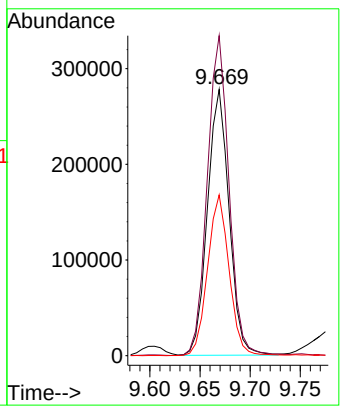


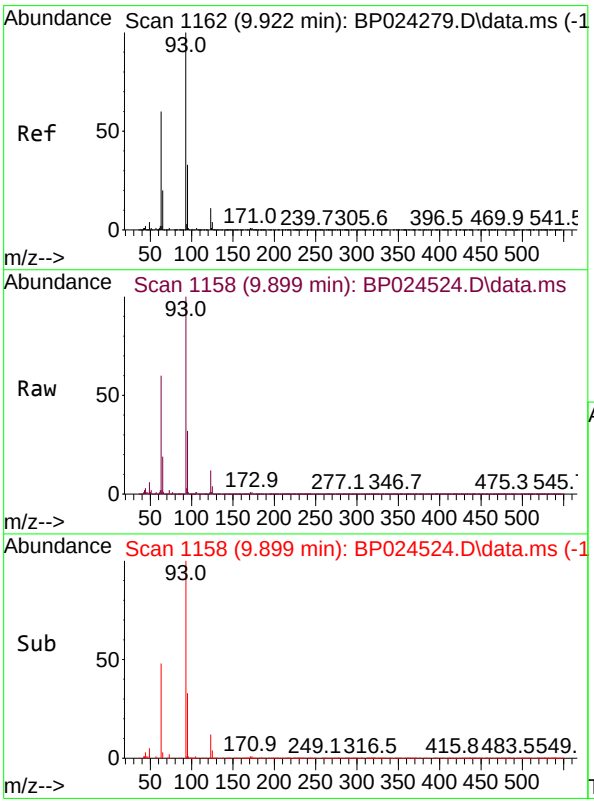
#27
2,4-Dimethylphenol
Concen: 63.540 ng
RT: 9.669 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion:122 Resp: 418270

Ion	Ratio	Lower	Upper
122	100		
107	120.2	93.7	140.5
121	60.4	48.2	72.2

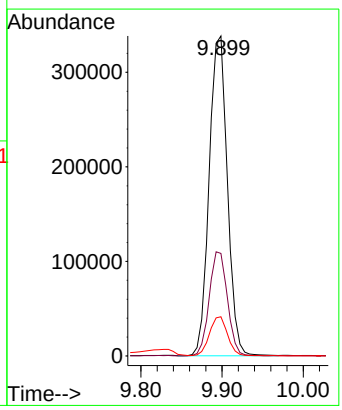


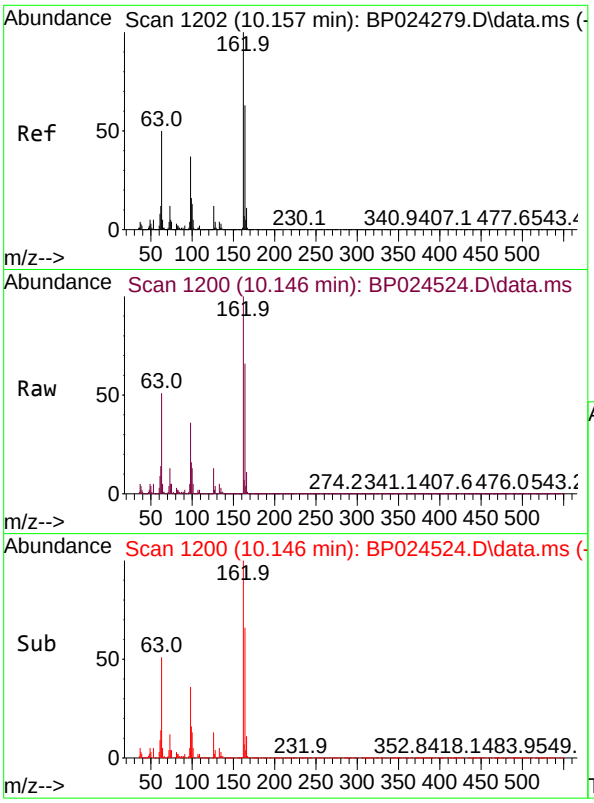


#28
bis(2-Chloroethoxy)methane
Concen: 39.786 ng
RT: 9.899 min Scan# 1158
Delta R.T. -0.012 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion: 93 Resp: 526831

Ion	Ratio	Lower	Upper
93	100		
95	32.0	26.0	39.0
123	12.3	9.1	13.7



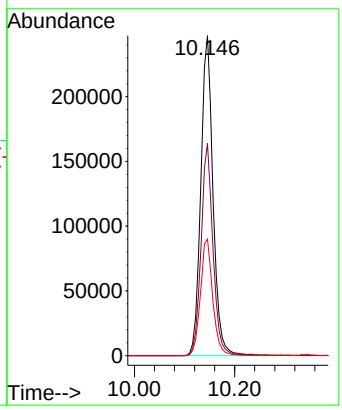


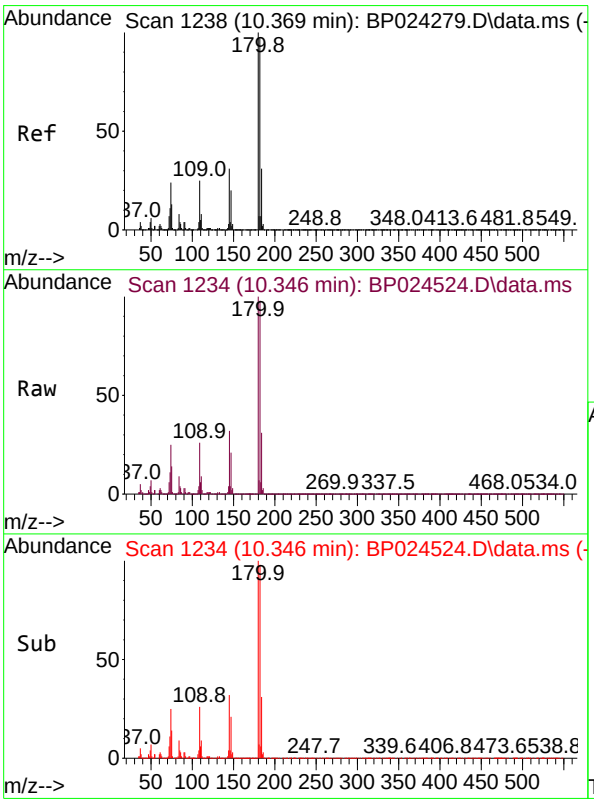
#29
2,4-Dichlorophenol
Concen: 46.681 ng
RT: 10.146 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion:162 Resp: 418991

Ion	Ratio	Lower	Upper
162	100		
164	66.3	43.3	83.3
98	36.4	16.6	56.6

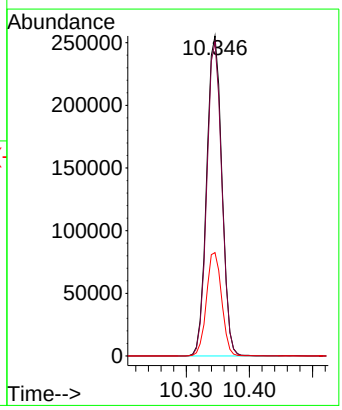


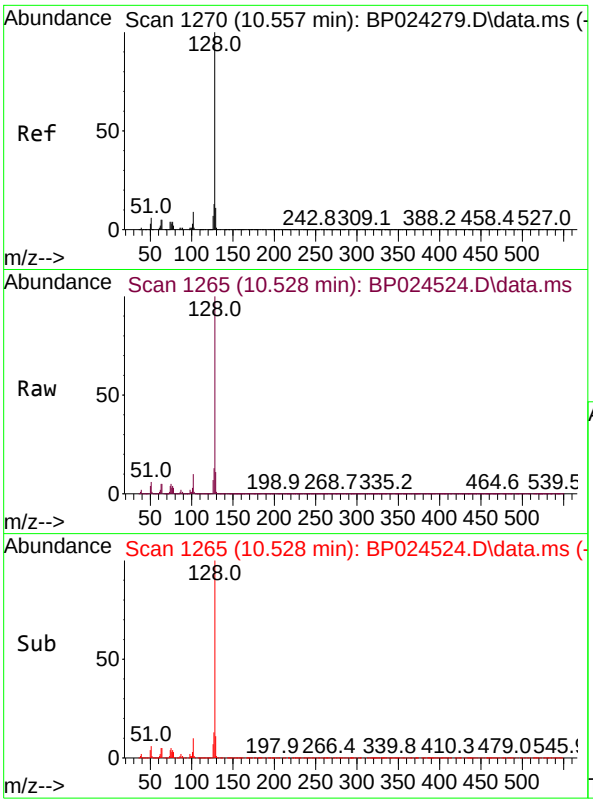


#30
1,2,4-Trichlorobenzene
Concen: 44.489 ng
RT: 10.346 min Scan# 1234
Delta R.T. -0.018 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion:180 Resp: 427836

Ion	Ratio	Lower	Upper
180	100		
182	98.1	77.3	115.9
145	32.3	25.1	37.7



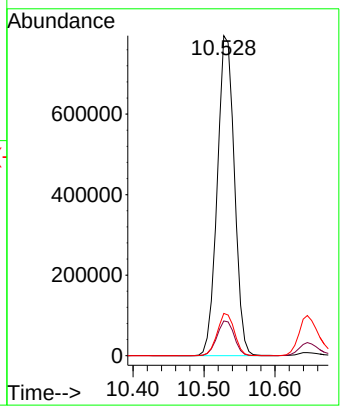


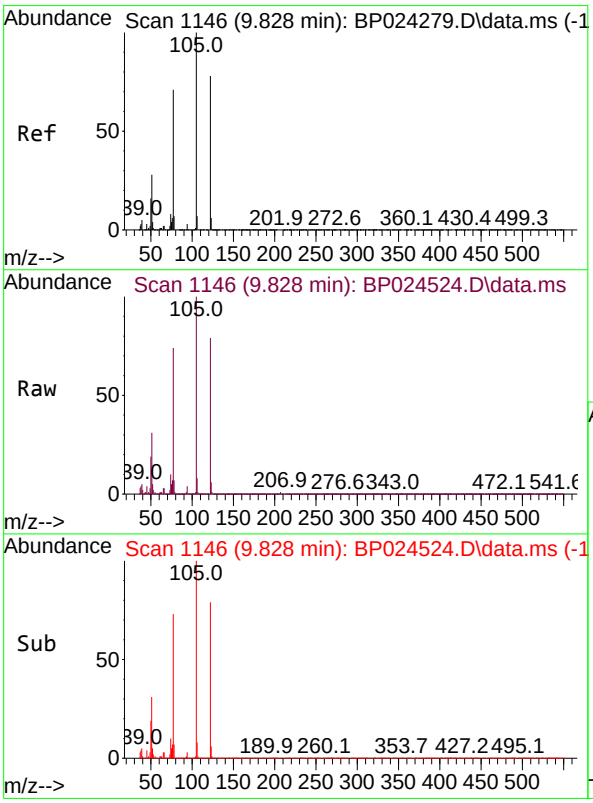
#31
Naphthalene
Concen: 40.728 ng
RT: 10.528 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion:128 Resp: 1324775

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	13.2	10.3	15.5

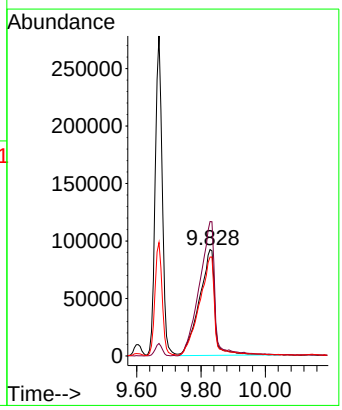


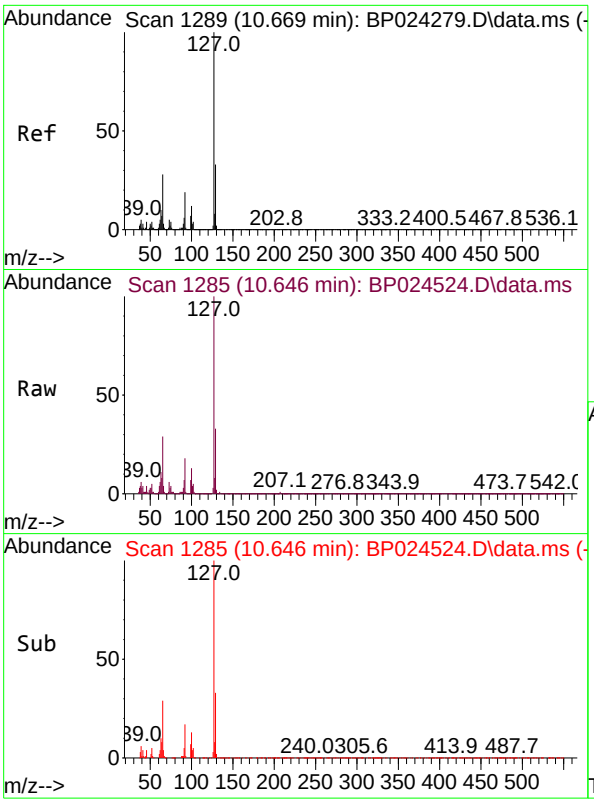


#32
Benzoic acid
Concen: 40.414 ng
RT: 9.828 min Scan# 1146
Delta R.T. 0.006 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion:122 Resp: 309994

Ion	Ratio	Lower	Upper
122	100		
105	126.3	104.8	144.8
77	93.0	69.2	109.2



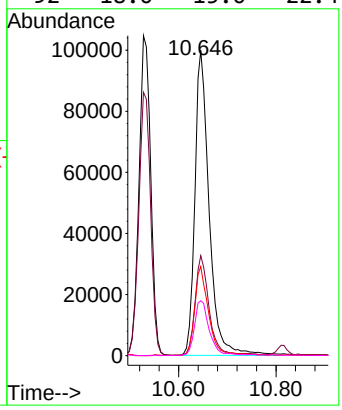


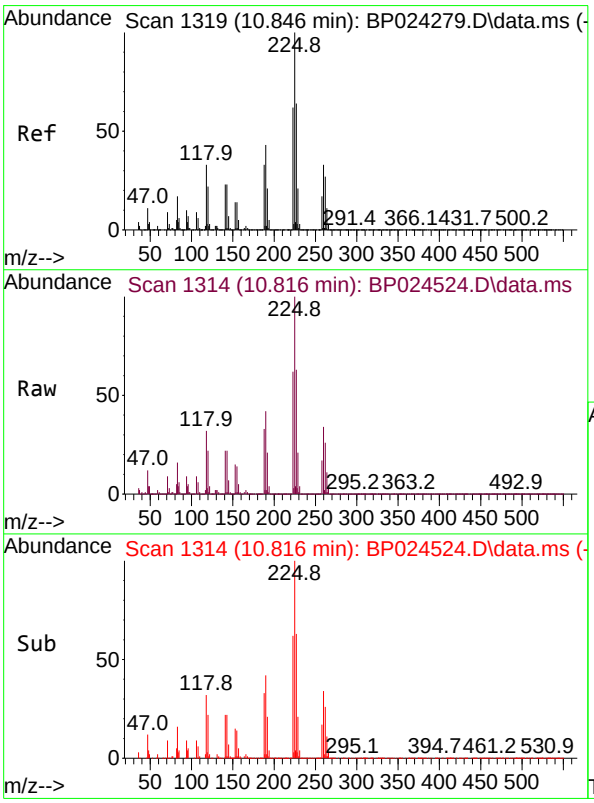
#33
4-Chloroaniline
Concen: 17.729 ng
RT: 10.646 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion:127 Resp: 203083

Ion	Ratio	Lower	Upper
127	100		
129	32.7	26.1	39.1
65	29.2	22.1	33.1
92	18.0	15.0	22.4

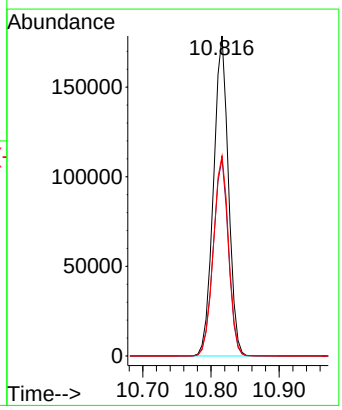


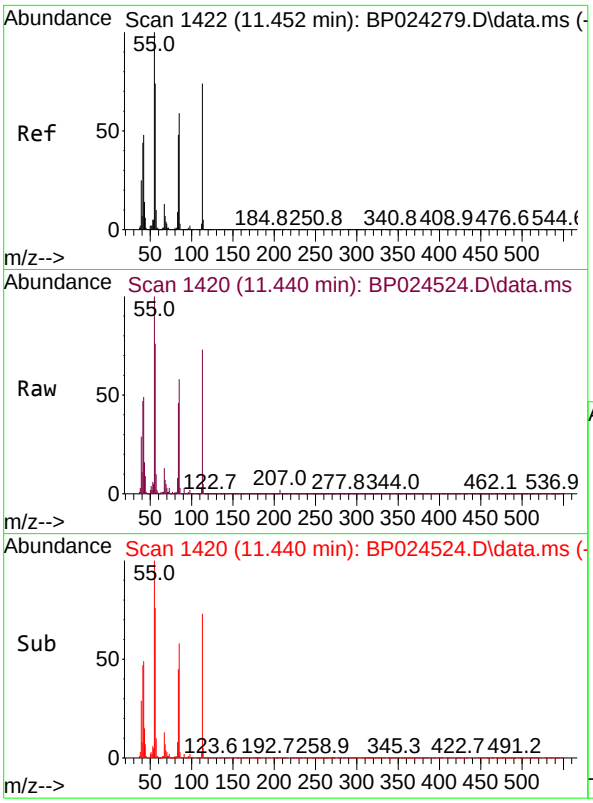


#34
Hexachlorobutadiene
Concen: 48.107 ng
RT: 10.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion:225 Resp: 271858

Ion	Ratio	Lower	Upper
225	100		
223	61.7	49.5	74.3
227	62.5	50.9	76.3



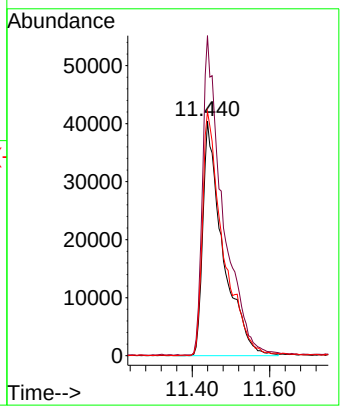


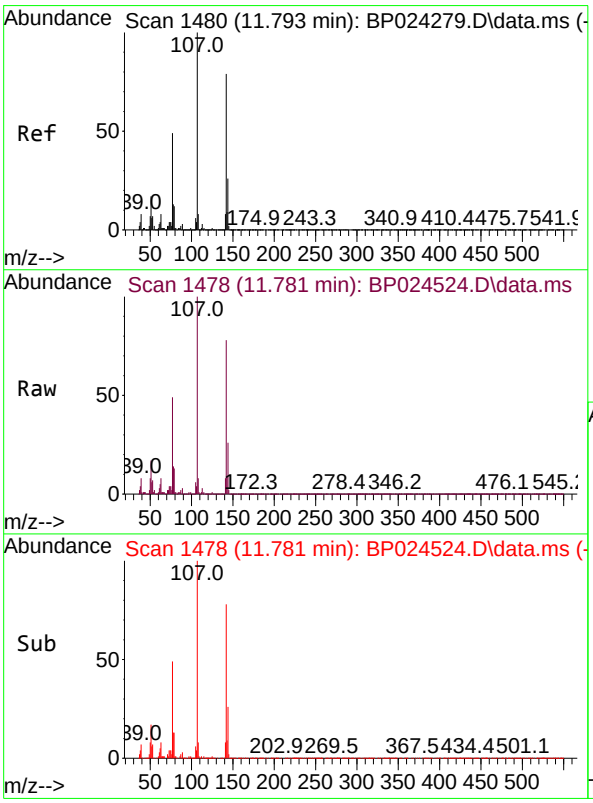
#35
Caprolactam
Concen: 43.476 ng
RT: 11.440 min Scan# 14
Delta R.T. -0.006 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion:113 Resp: 143986

Ion	Ratio	Lower	Upper
113	100		
55	136.5	115.9	155.9
56	104.2	81.1	121.1

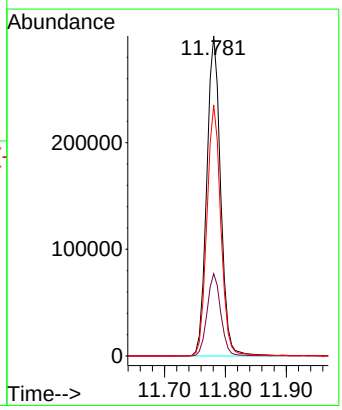


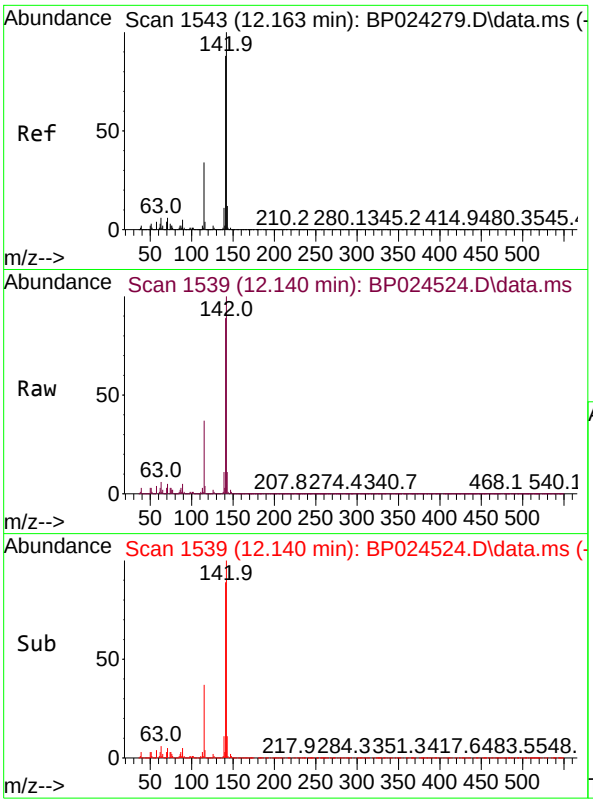


#36
4-Chloro-3-methylphenol
Concen: 45.307 ng
RT: 11.781 min Scan# 1478
Delta R.T. -0.012 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion:107 Resp: 473668

Ion	Ratio	Lower	Upper
107	100		
144	25.7	20.5	30.7
142	78.4	63.4	95.2



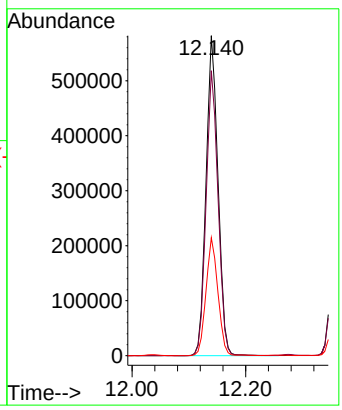


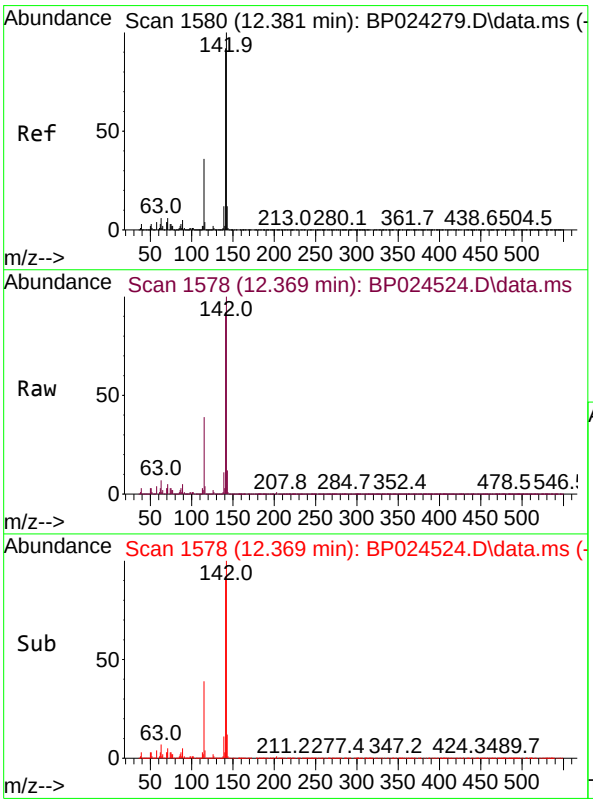
#37
2-Methylnaphthalene
Concen: 37.517 ng
RT: 12.140 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion:142 Resp: 846327

Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.3	105.5
115	36.9	26.9	40.3

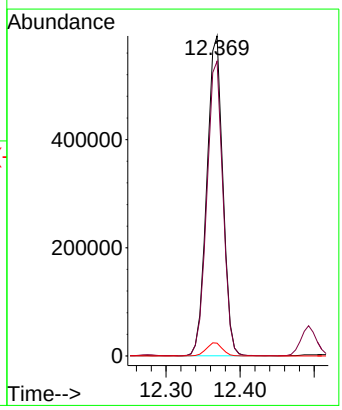


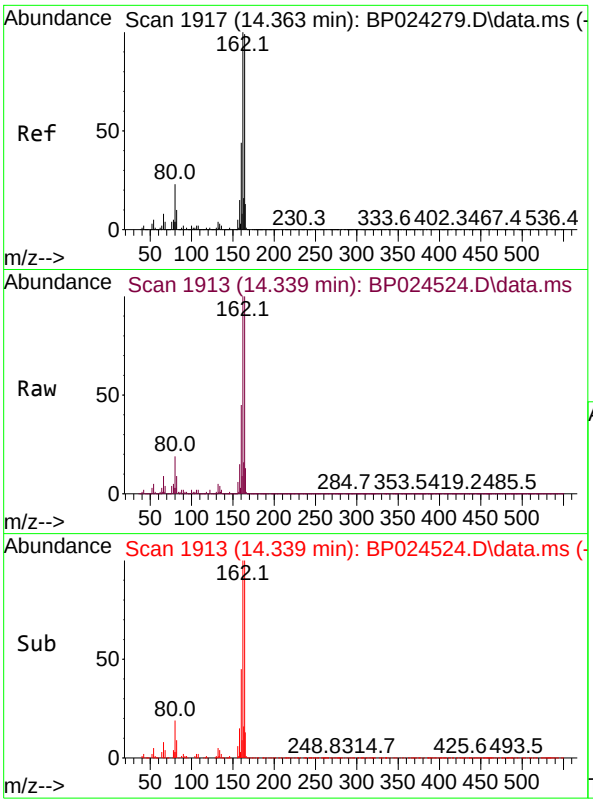


#38
1-Methylnaphthalene
Concen: 40.192 ng
RT: 12.369 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion:142 Resp: 886967

Ion	Ratio	Lower	Upper
142	100		
141	92.1	73.6	110.4
116	4.0	3.0	4.6



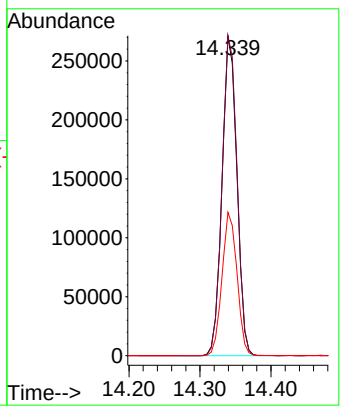


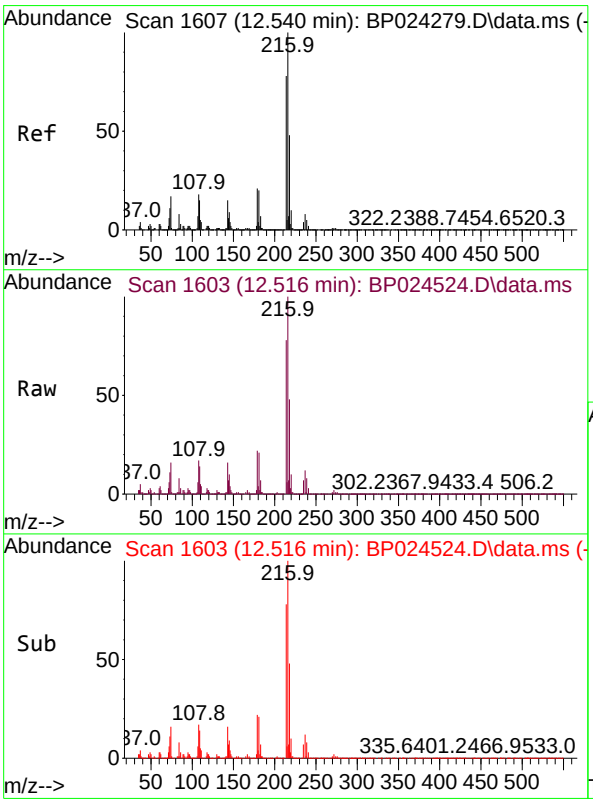
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.339 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion:164 Resp: 391114

Ion	Ratio	Lower	Upper
164	100		
162	100.4	80.6	120.8
160	44.9	35.3	52.9

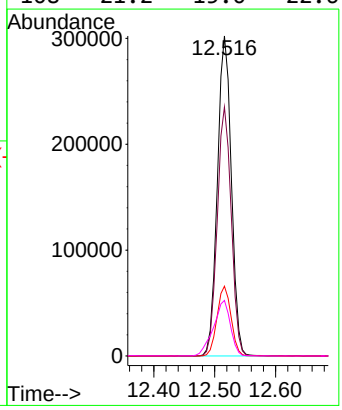


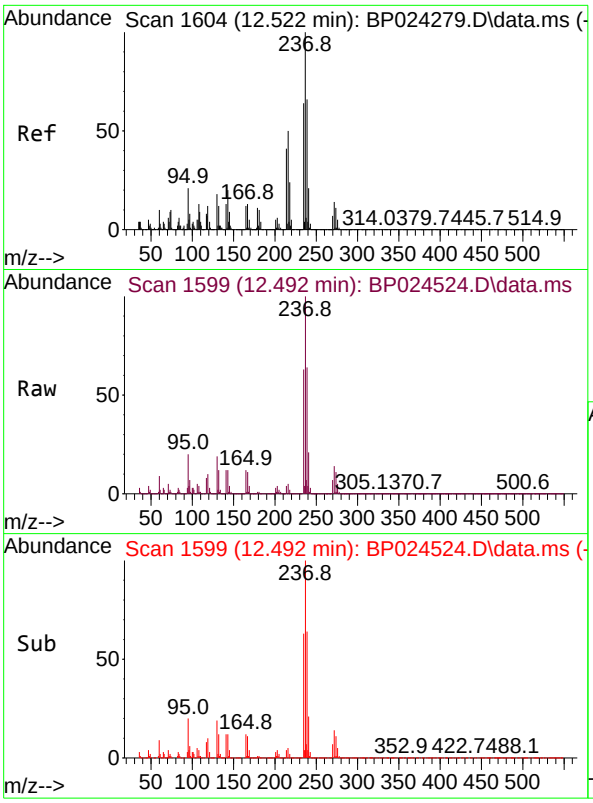


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.661 ng
RT: 12.516 min Scan# 1603
Delta R.T. -0.012 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion:216 Resp: 480361

Ion	Ratio	Lower	Upper
216	100		
214	78.1	62.6	93.8
179	21.9	17.2	25.8
108	21.2	15.0	22.6



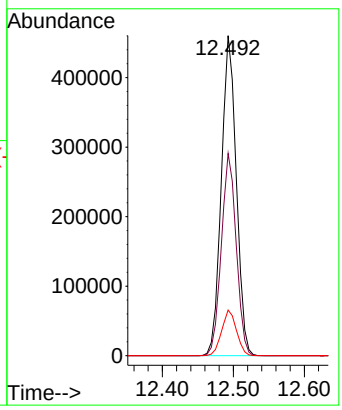


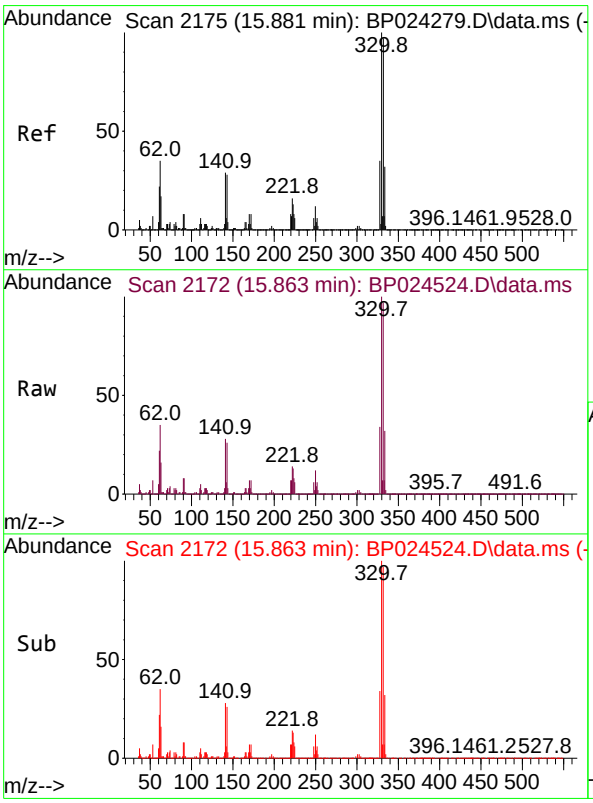
#41
Hexachlorocyclopentadiene
Concen: 176.170 ng
RT: 12.492 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion:237 Resp: 670149

Ion	Ratio	Lower	Upper
237	100		
235	63.2	43.9	83.9
272	14.2	0.0	33.6

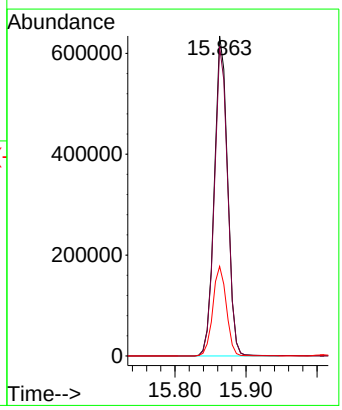


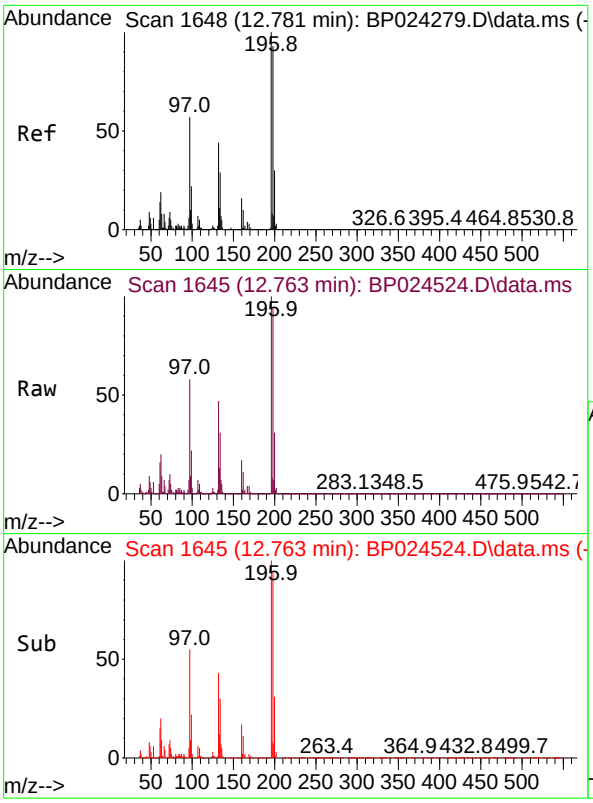


#42
2,4,6-Tribromophenol
Concen: 151.629 ng
RT: 15.863 min Scan# 2172
Delta R.T. -0.000 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion:330 Resp: 820508

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.1	115.7
141	28.7	24.7	37.1



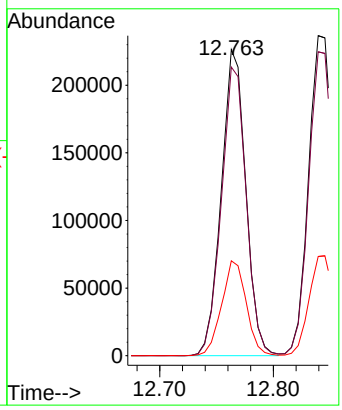


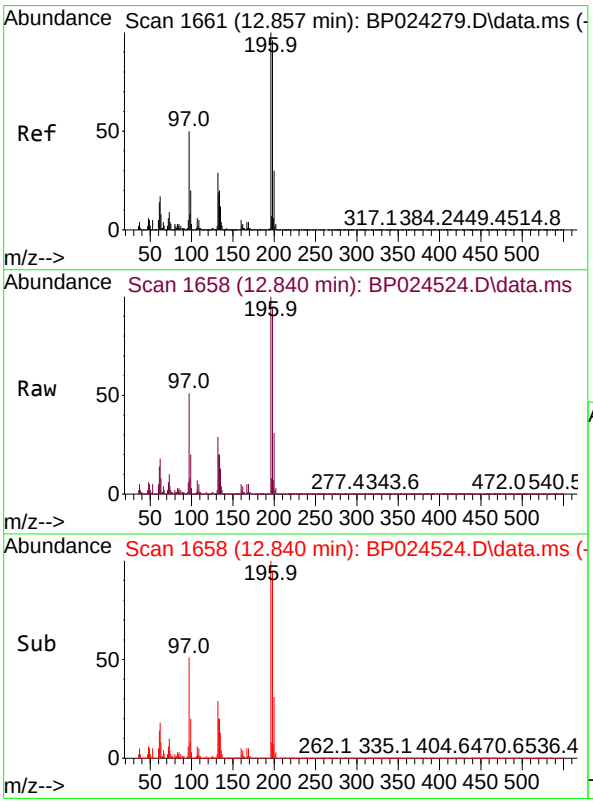
#43
2,4,6-Trichlorophenol
Concen: 47.465 ng
RT: 12.763 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion:196 Resp: 339421

Ion	Ratio	Lower	Upper
196	100		
198	94.3	74.3	111.5
200	31.0	24.0	36.0

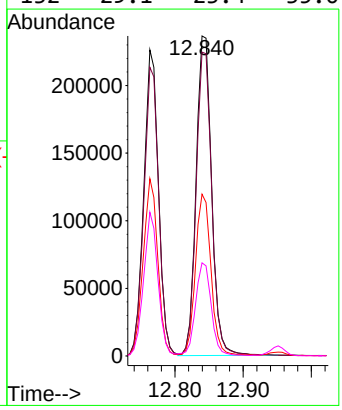


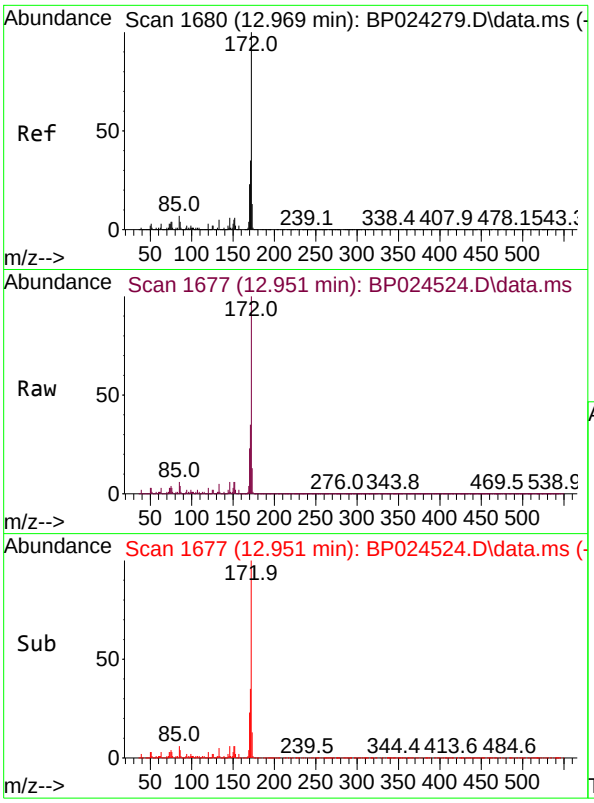


#44
2,4,5-Trichlorophenol
Concen: 47.313 ng
RT: 12.840 min Scan# 1658
Delta R.T. -0.018 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion:196 Resp: 374663

Ion	Ratio	Lower	Upper
196	100		
198	94.9	77.3	115.9
97	50.6	40.4	60.6
132	29.1	23.4	35.0



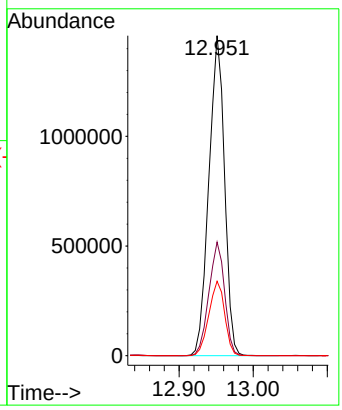


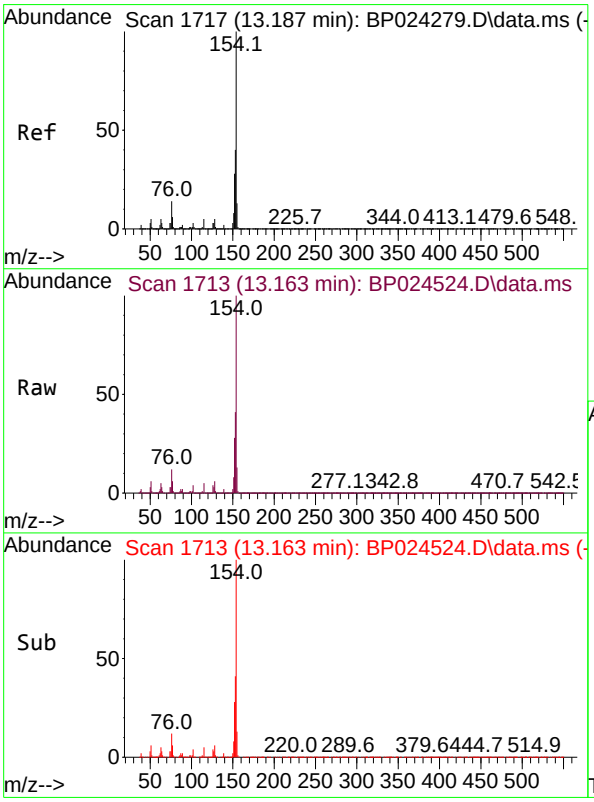
#45
2-Fluorobiphenyl
Concen: 83.800 ng
RT: 12.951 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion:172 Resp: 2140635

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.2	42.2
170	23.3	18.6	27.8

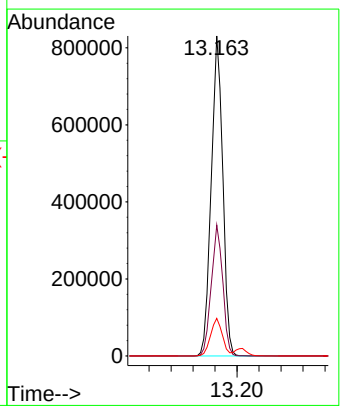


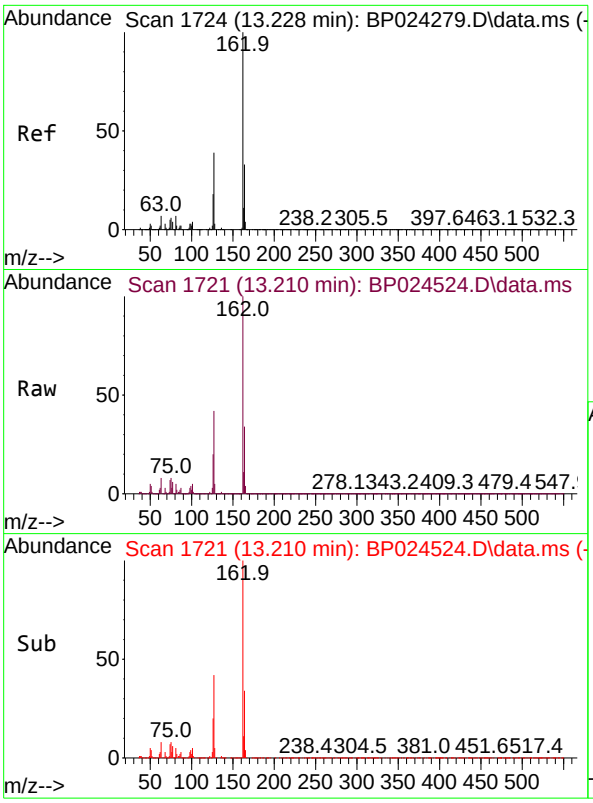


#46
1,1'-Biphenyl
Concen: 42.123 ng
RT: 13.163 min Scan# 1713
Delta R.T. -0.012 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion:154 Resp: 1210978

Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.3	60.3
76	11.8	0.0	33.5



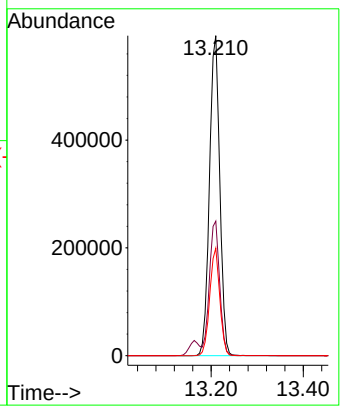


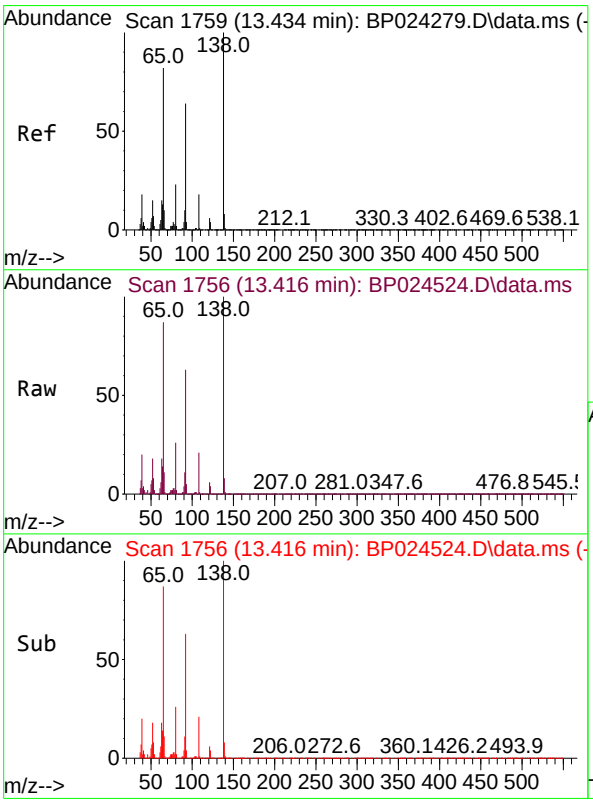
#47
2-Chloronaphthalene
Concen: 43.054 ng
RT: 13.210 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion:162 Resp: 925091

Ion	Ratio	Lower	Upper
162	100		
127	42.0	31.9	47.9
164	33.6	26.2	39.4

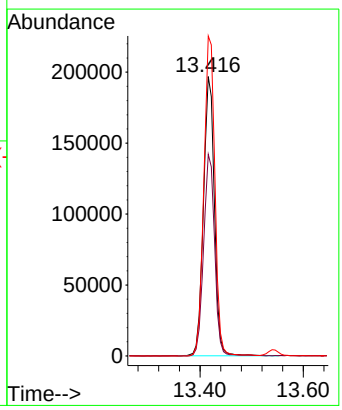


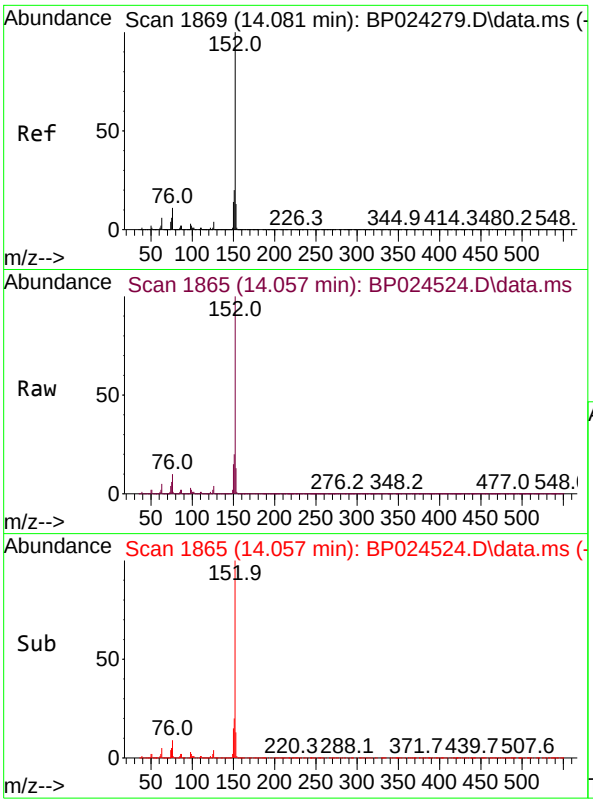


#48
2-Nitroaniline
Concen: 47.951 ng
RT: 13.416 min Scan# 1756
Delta R.T. -0.006 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion: 65 Resp: 289004

Ion	Ratio	Lower	Upper
65	100		
92	72.2	62.3	93.5
138	114.5	97.2	145.8



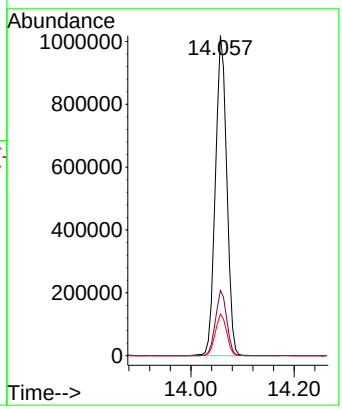


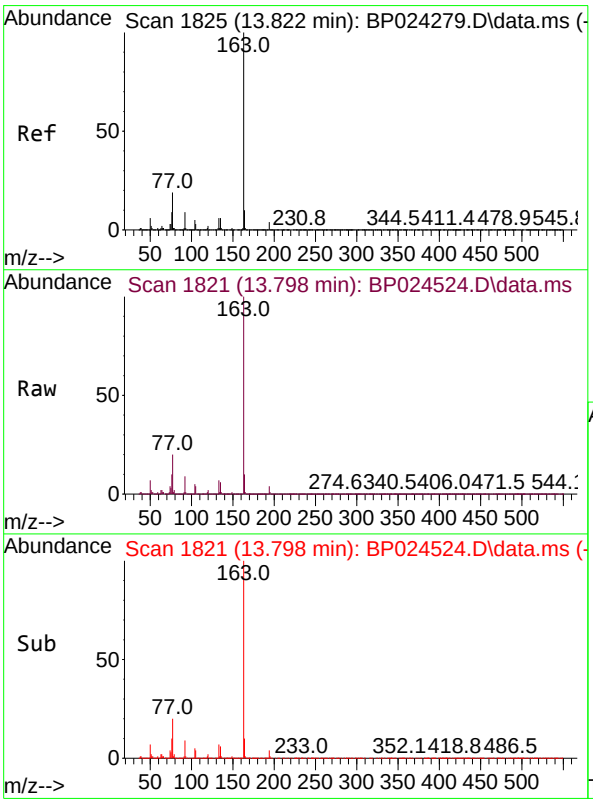
#49
Acenaphthylene
Concen: 45.935 ng
RT: 14.057 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion:152 Resp: 1553928

Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.9	23.9
153	13.0	10.6	15.8

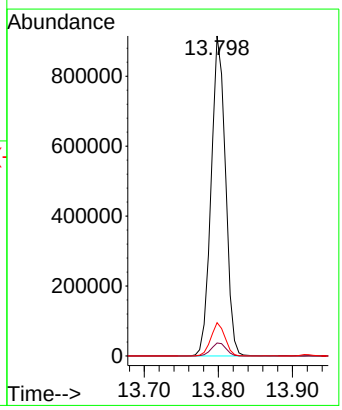


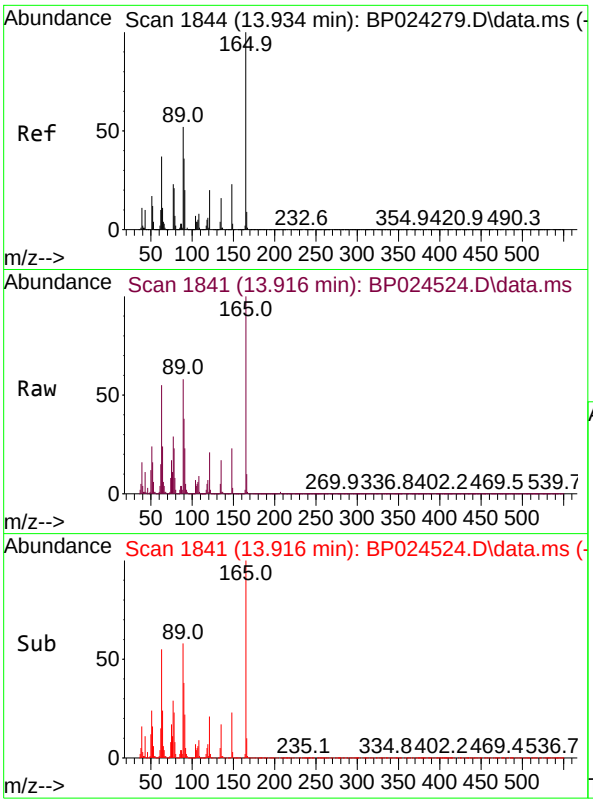


#50
Dimethylphthalate
Concen: 43.252 ng
RT: 13.798 min Scan# 1821
Delta R.T. -0.012 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion:163 Resp: 1230208

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.5	5.3
164	10.4	8.0	12.0



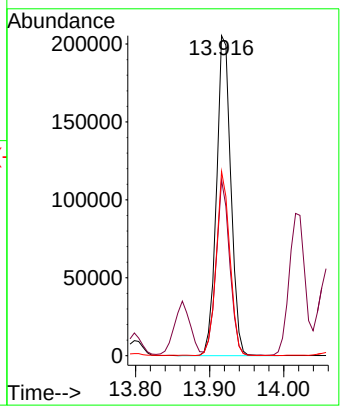


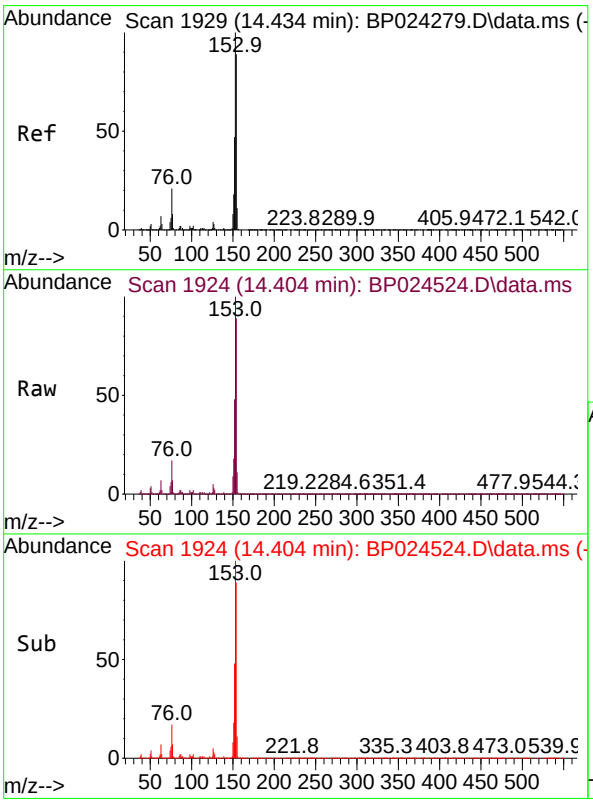
#51
2,6-Dinitrotoluene
Concen: 45.611 ng
RT: 13.916 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion:165 Resp: 275476

Ion	Ratio	Lower	Upper
165	100		
63	54.9	38.0	57.0
89	57.6	41.7	62.5

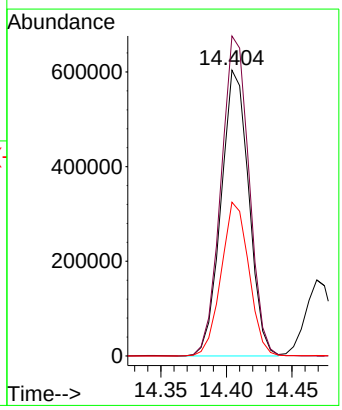


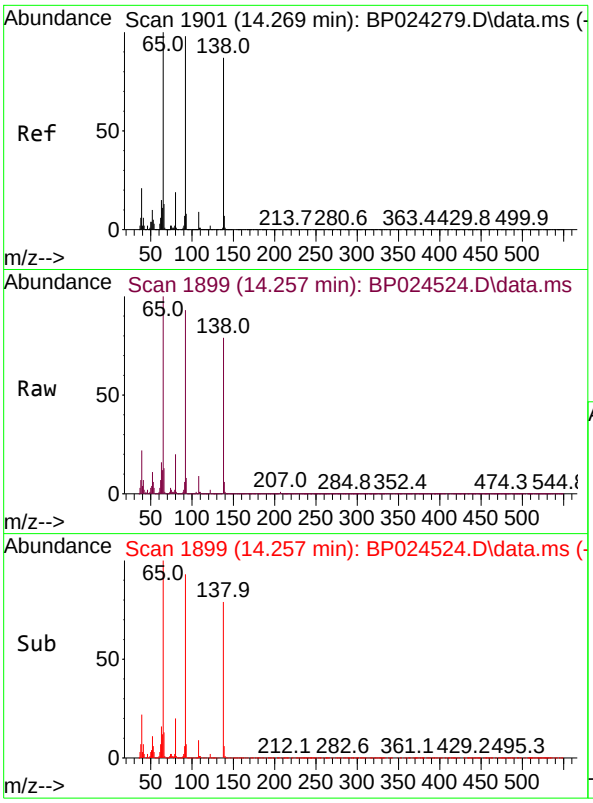


#52
Acenaphthene
Concen: 41.350 ng
RT: 14.404 min Scan# 1924
Delta R.T. -0.018 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion:154 Resp: 886821

Ion	Ratio	Lower	Upper
154	100		
153	112.0	89.8	134.6
152	53.8	42.6	63.8



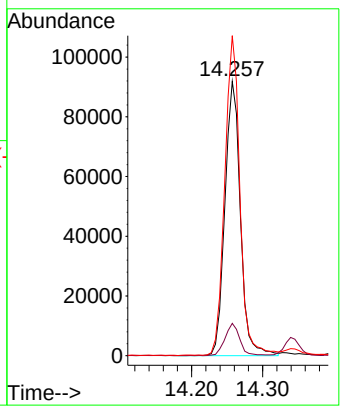


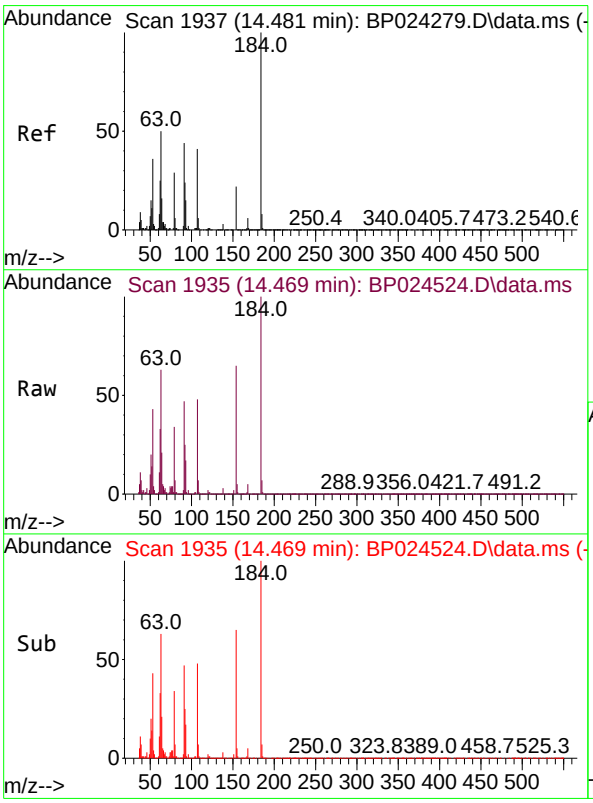
#53
3-Nitroaniline
Concen: 21.894 ng
RT: 14.257 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion:138 Resp: 138981

Ion	Ratio	Lower	Upper
138	100		
108	11.8	8.3	12.5
92	116.7	89.8	134.8

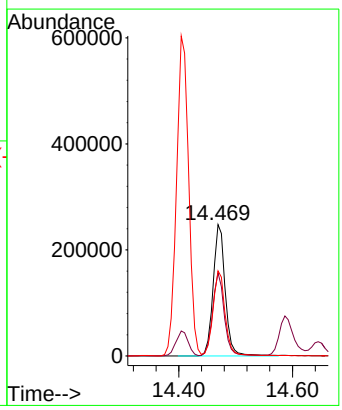


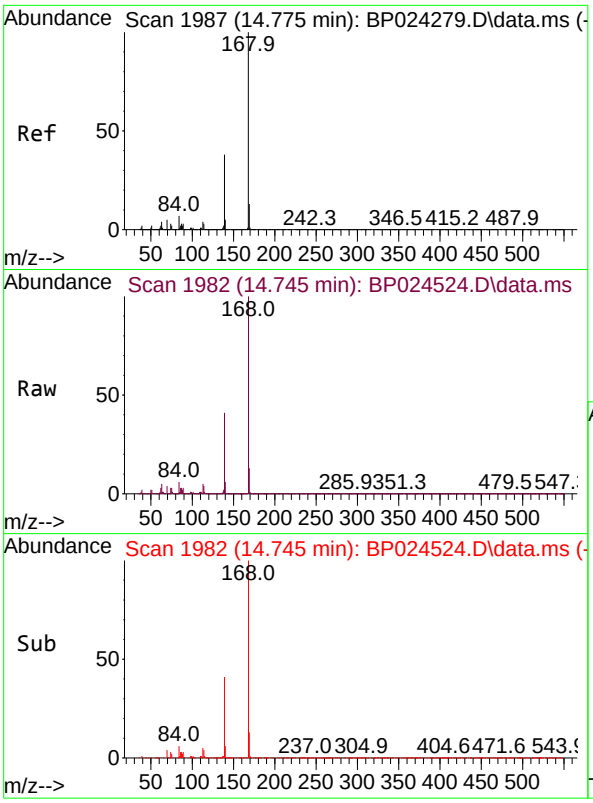


#54
2,4-Dinitrophenol
Concen: 102.279 ng
RT: 14.469 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion:184 Resp: 363876

Ion	Ratio	Lower	Upper
184	100		
63	63.3	42.6	64.0
154	64.8	47.2	70.8



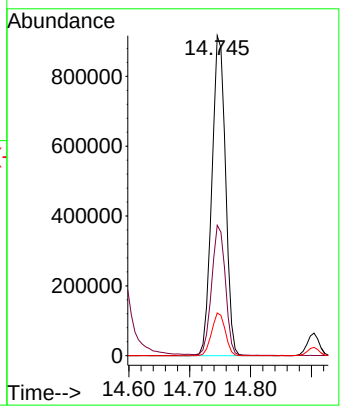


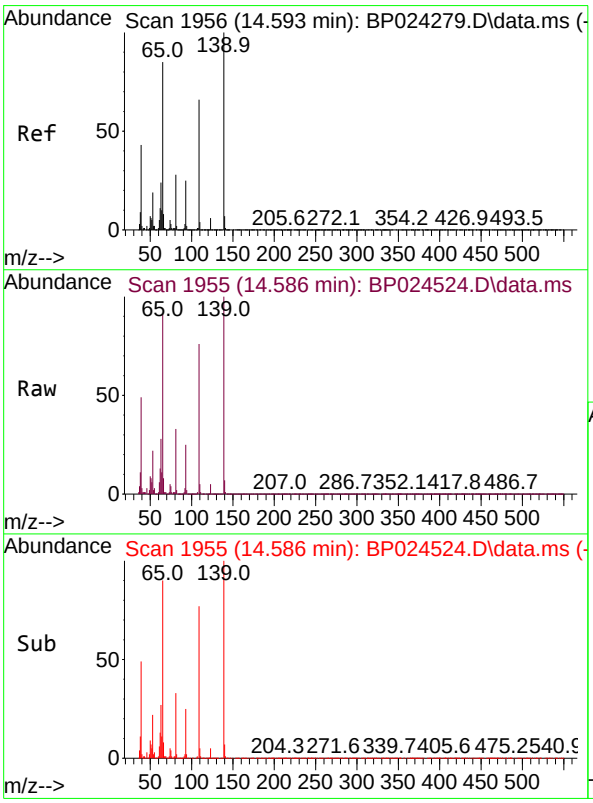
#55
Dibenzofuran
Concen: 40.583 ng
RT: 14.745 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion:168 Resp: 1422679

Ion	Ratio	Lower	Upper
168	100		
139	40.7	30.3	45.5
169	13.3	10.6	16.0

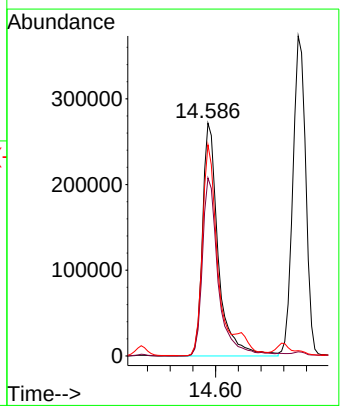


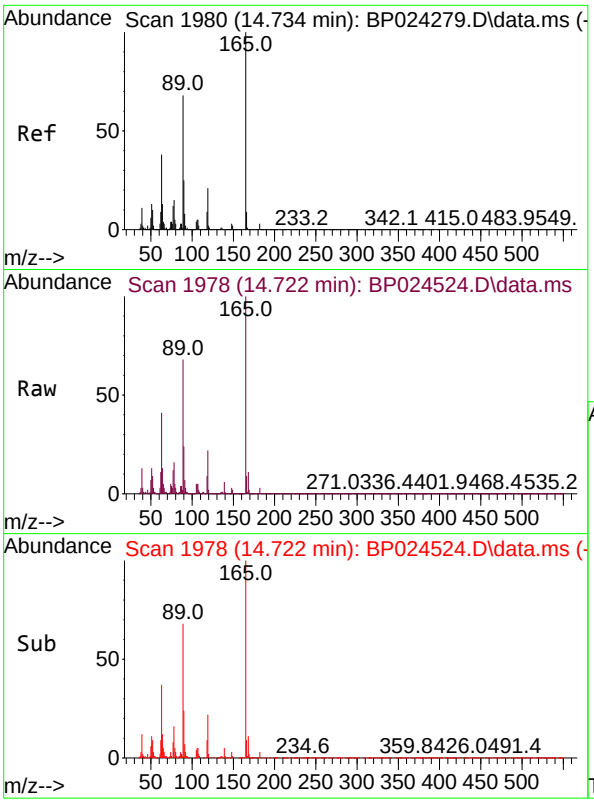


#56
4-Nitrophenol
Concen: 95.215 ng
RT: 14.586 min Scan# 1955
Delta R.T. -0.006 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion:139 Resp: 521998

Ion	Ratio	Lower	Upper
139	100		
109	76.5	46.1	86.1
65	90.7	65.0	105.0



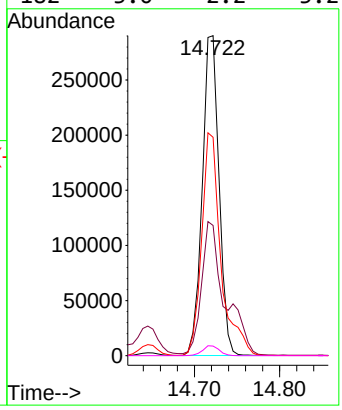


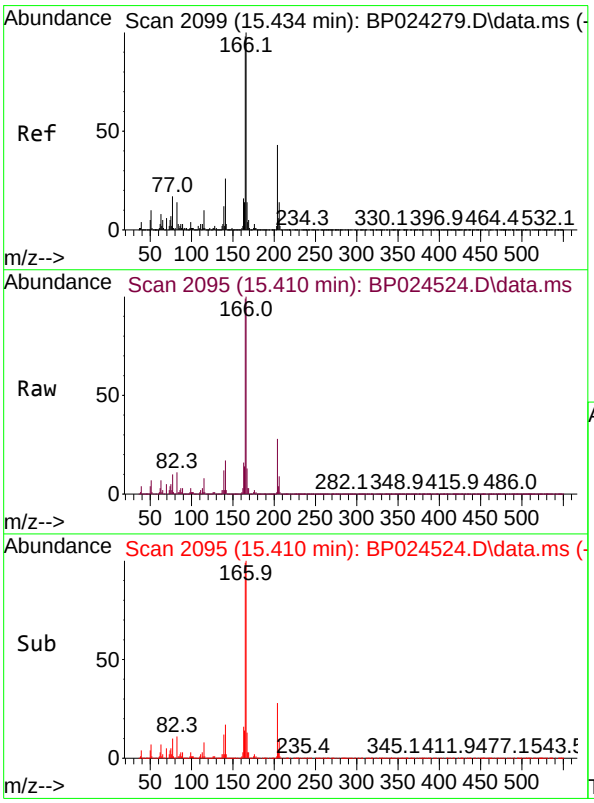
#57
2,4-Dinitrotoluene
Concen: 48.082 ng
RT: 14.722 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion:165 Resp: 396142

Ion	Ratio	Lower	Upper
165	100		
63	40.7	30.4	45.6
89	68.3	54.6	82.0
182	3.0	2.2	3.2

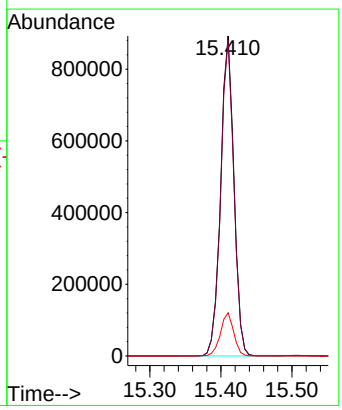


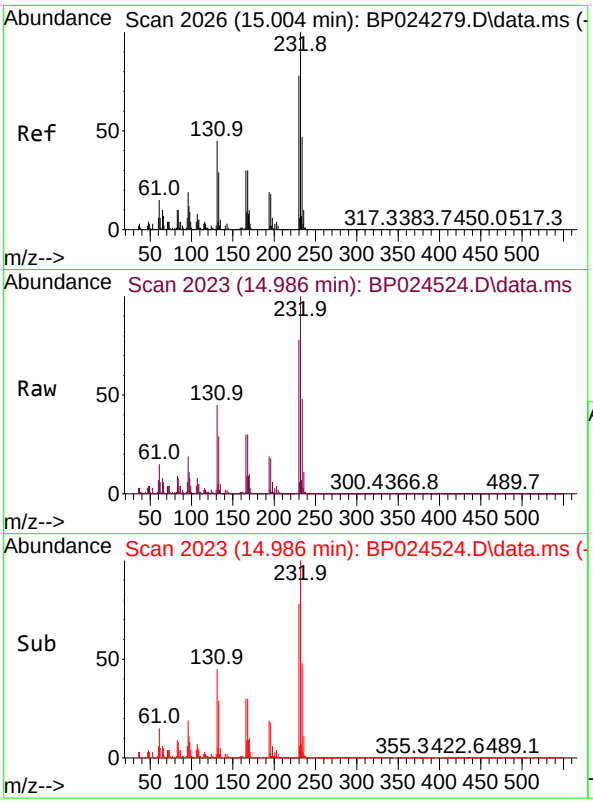


#58
Fluorene
Concen: 42.493 ng
RT: 15.410 min Scan# 2095
Delta R.T. -0.006 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion:166 Resp: 1153162

Ion	Ratio	Lower	Upper
166	100		
165	98.8	78.1	117.1
167	13.5	10.9	16.3



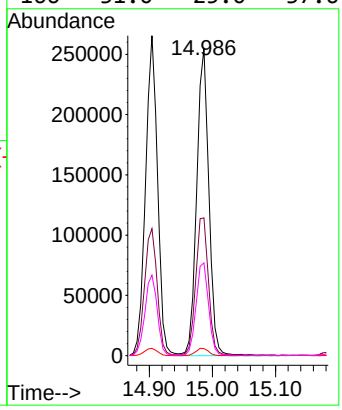


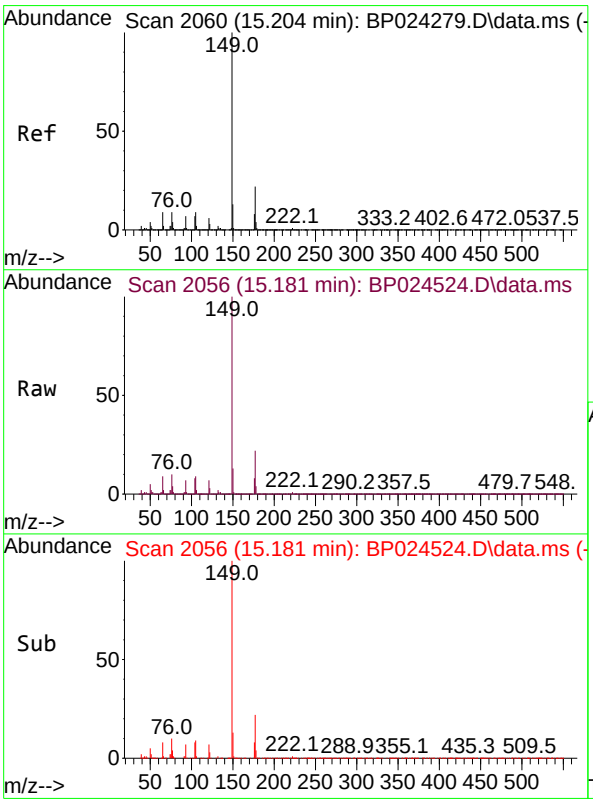
#59
2,3,4,6-Tetrachlorophenol
Concen: 46.729 ng
RT: 14.986 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion:232 Resp: 341287

Ion	Ratio	Lower	Upper
232	100		
131	47.1	36.8	55.2
130	2.5	1.9	2.9
166	31.0	25.0	37.6

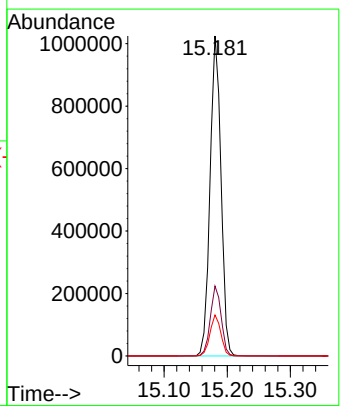


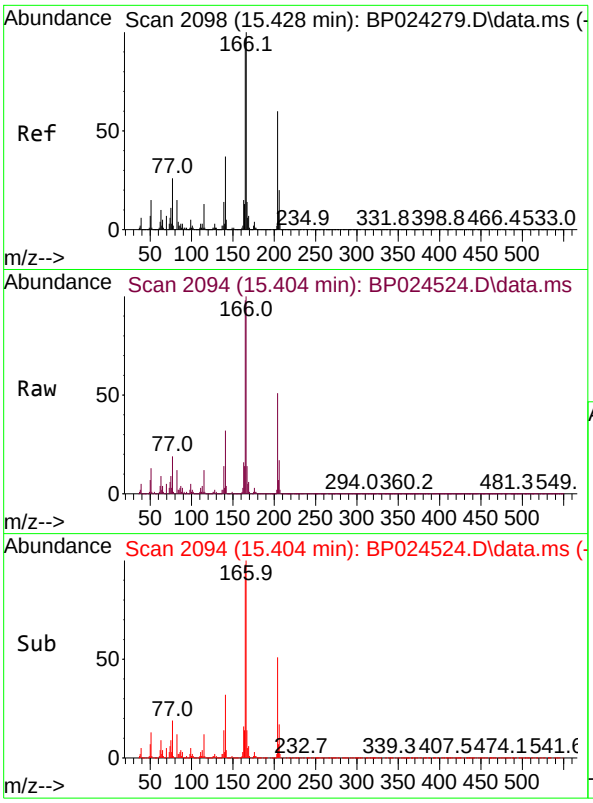


#60
Diethylphthalate
Concen: 42.000 ng
RT: 15.181 min Scan# 2056
Delta R.T. -0.012 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion:149 Resp: 1231042

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.4	26.2
150	12.8	10.1	15.1



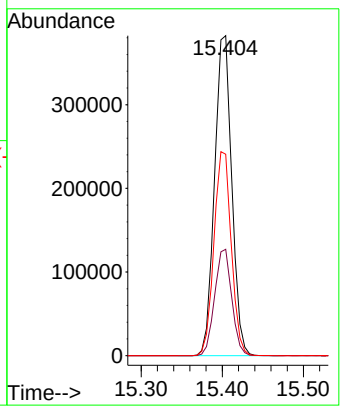


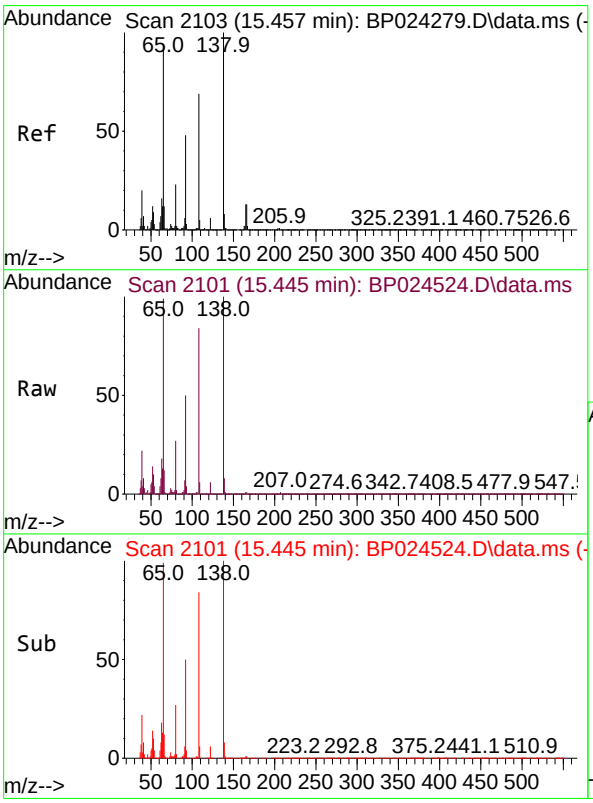
#61
4-Chlorophenyl-phenylether
Concen: 42.781 ng
RT: 15.404 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion:204 Resp: 563774

Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.5	39.7
141	63.0	49.4	74.0

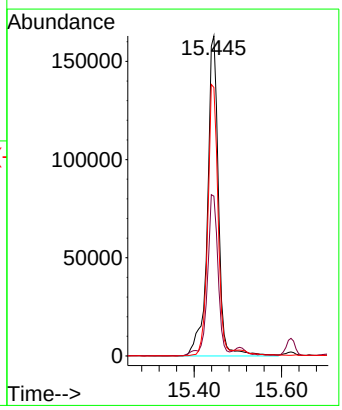


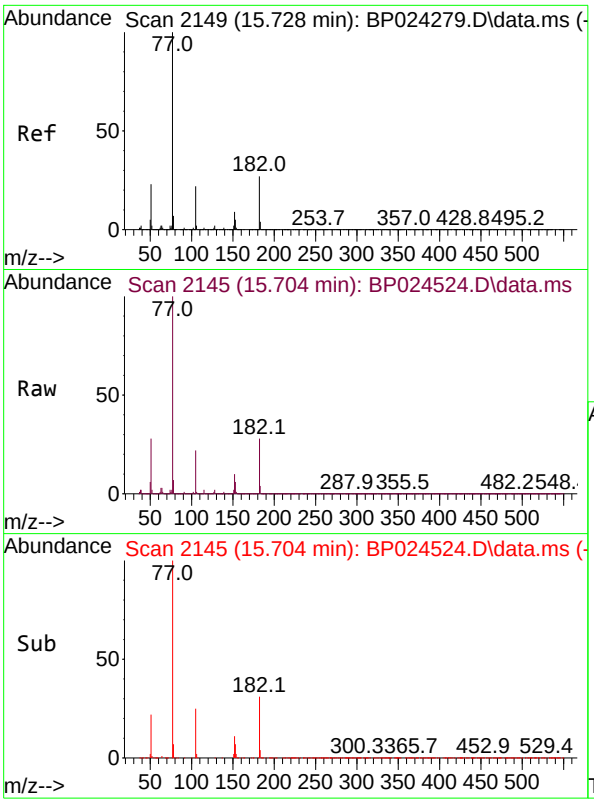


#62
4-Nitroaniline
Concen: 42.726 ng
RT: 15.445 min Scan# 2101
Delta R.T. 0.006 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion:138 Resp: 287116

Ion	Ratio	Lower	Upper
138	100		
92	49.9	27.8	67.8
108	83.9	48.9	88.9



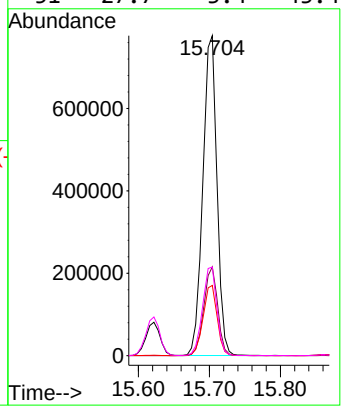


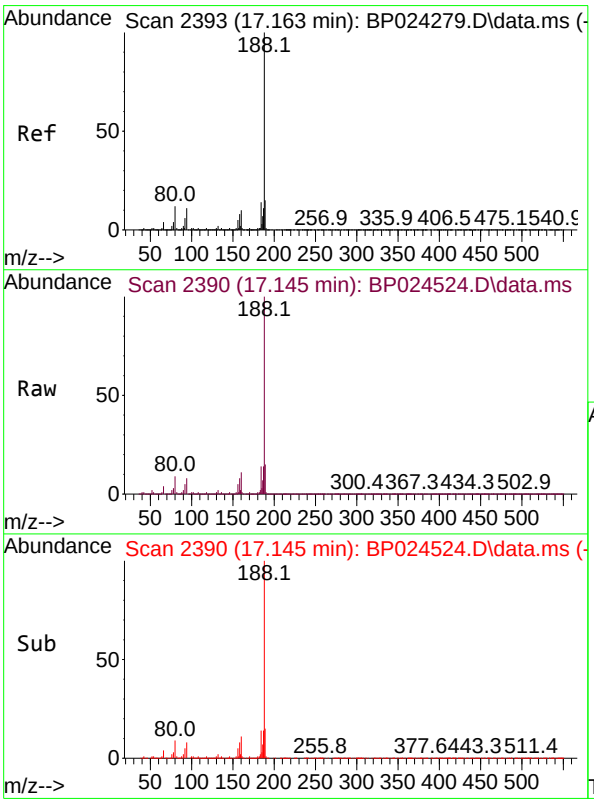
#63
Azobenzene
Concen: 39.831 ng
RT: 15.704 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion: 77 Resp: 1073041

Ion	Ratio	Lower	Upper
77	100		
182	27.8	7.3	47.3
105	22.0	2.3	42.3
51	27.7	3.4	43.4

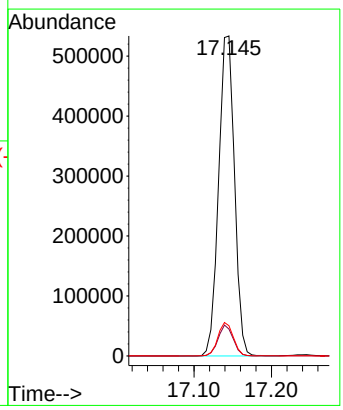


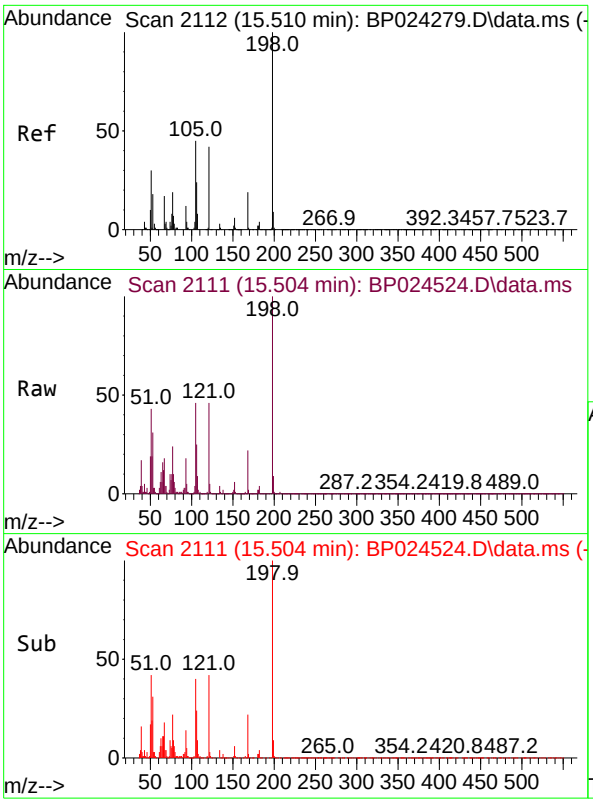


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.145 min Scan# 2390
Delta R.T. -0.000 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion:188 Resp: 761966

Ion	Ratio	Lower	Upper
188	100		
94	8.4	8.6	13.0#
80	9.5	9.8	14.6#



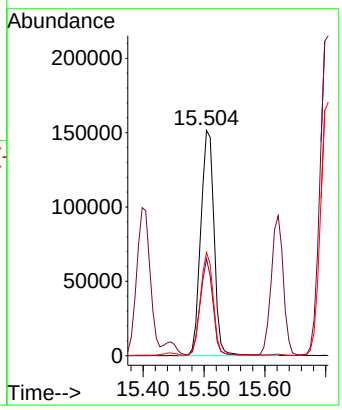


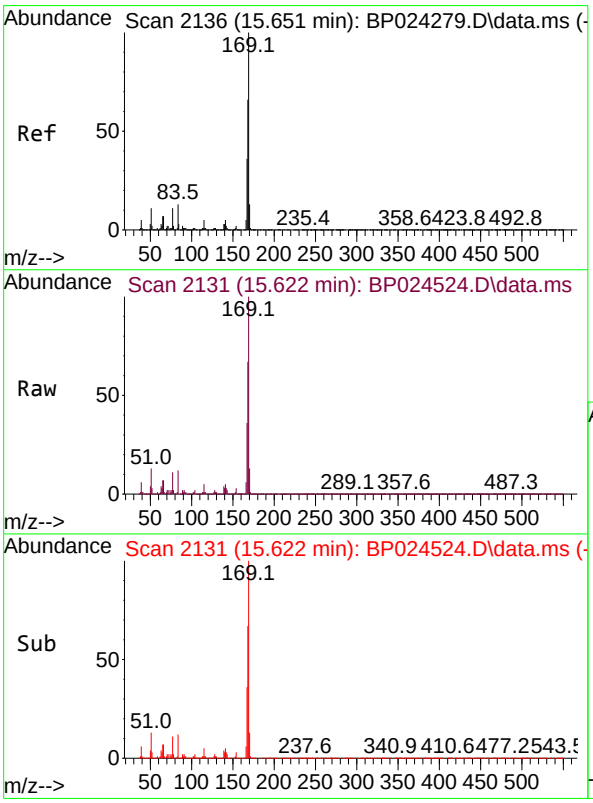
#65
4,6-Dinitro-2-methylphenol
Concen: 47.907 ng
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion:198 Resp: 230143

Ion	Ratio	Lower	Upper
198	100		
51	43.0	18.4	58.4
105	45.8	26.5	66.5

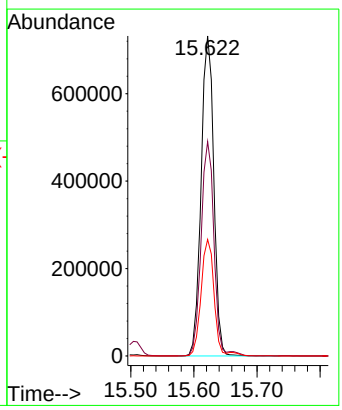


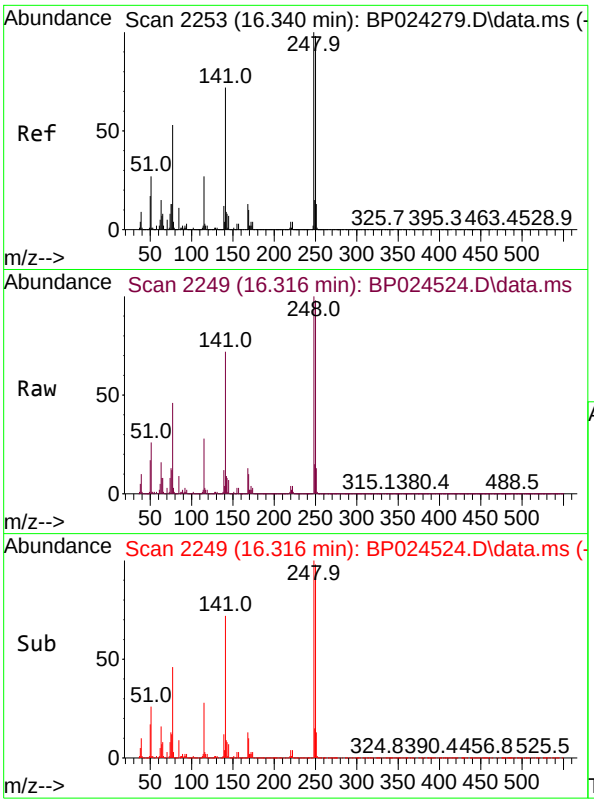


#66
n-Nitrosodiphenylamine
Concen: 44.885 ng
RT: 15.622 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion:169 Resp: 1020809

Ion	Ratio	Lower	Upper
169	100		
168	67.0	53.0	79.4
167	36.4	28.9	43.3



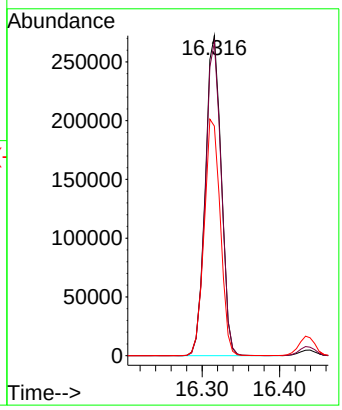


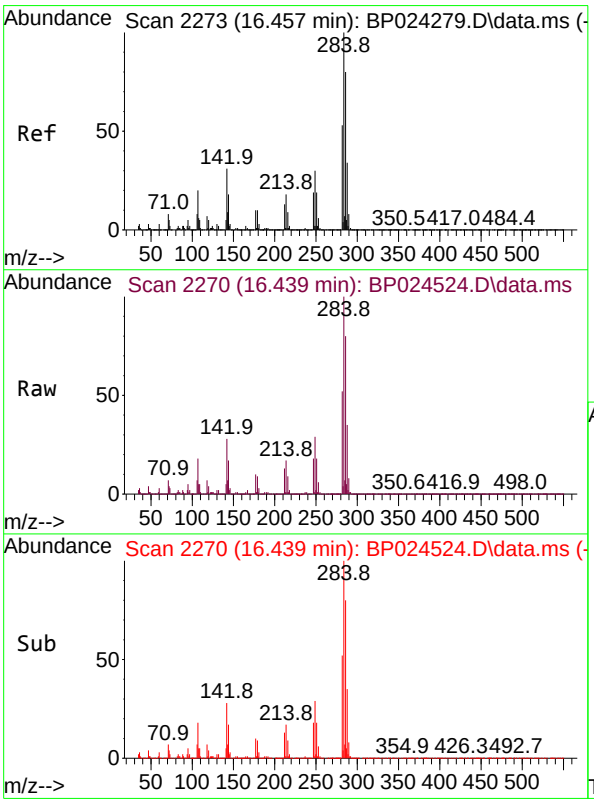
#67
4-Bromophenyl-phenylether
Concen: 46.545 ng
RT: 16.316 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion:248 Resp: 387884

Ion	Ratio	Lower	Upper
248	100		
250	97.9	78.2	117.4
141	71.8	57.7	86.5

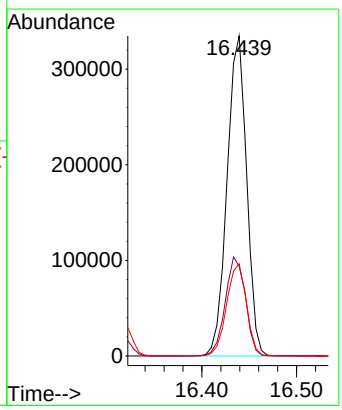


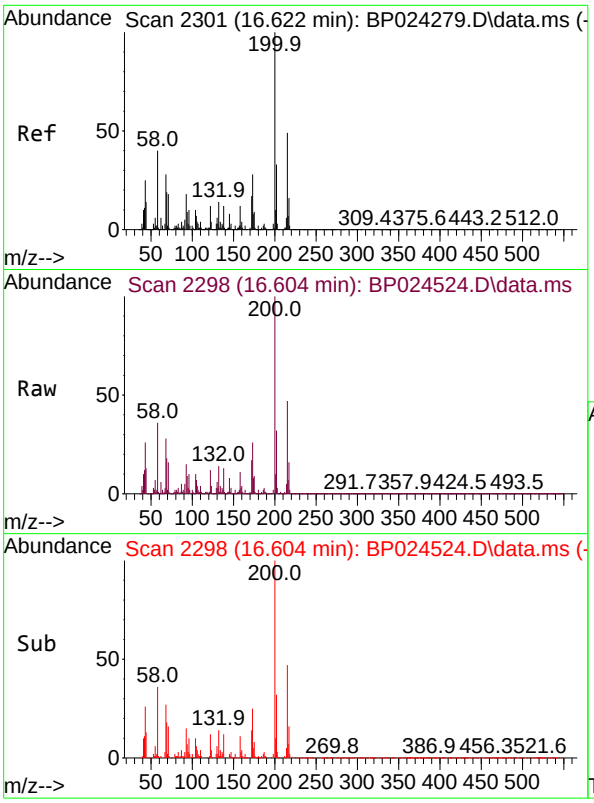


#68
Hexachlorobenzene
Concen: 48.489 ng
RT: 16.439 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion:284 Resp: 480161

Ion	Ratio	Lower	Upper
284	100		
142	28.0	24.6	37.0
249	28.8	23.8	35.6



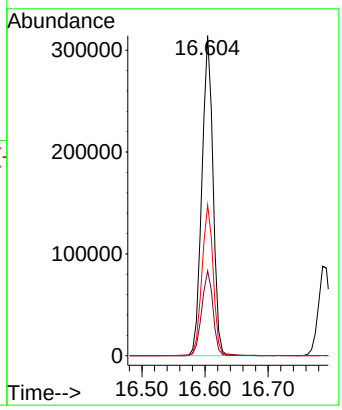


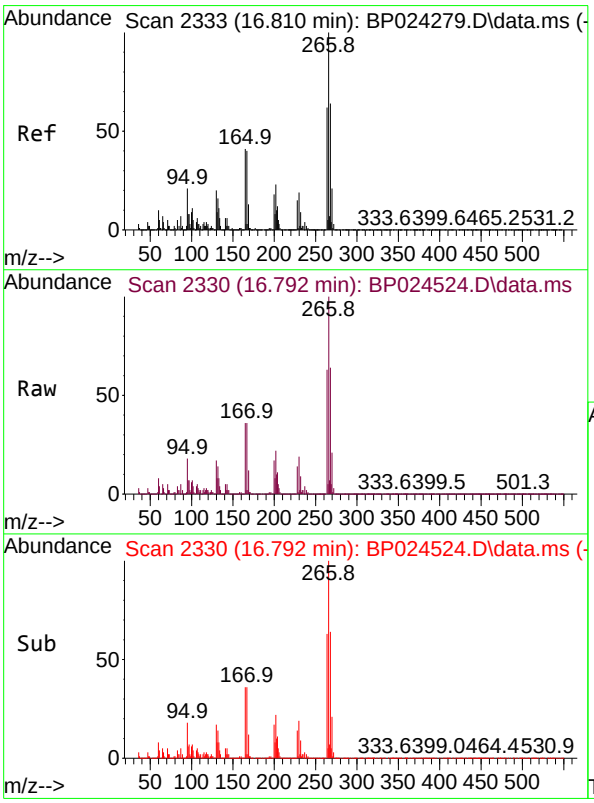
#69
Atrazine
Concen: 66.399 ng
RT: 16.604 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion:200 Resp: 384613

Ion	Ratio	Lower	Upper
200	100		
173	26.5	7.5	47.5
215	47.1	28.8	68.8

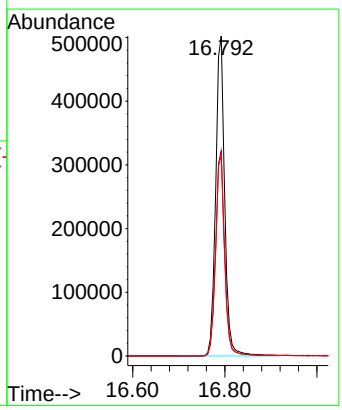


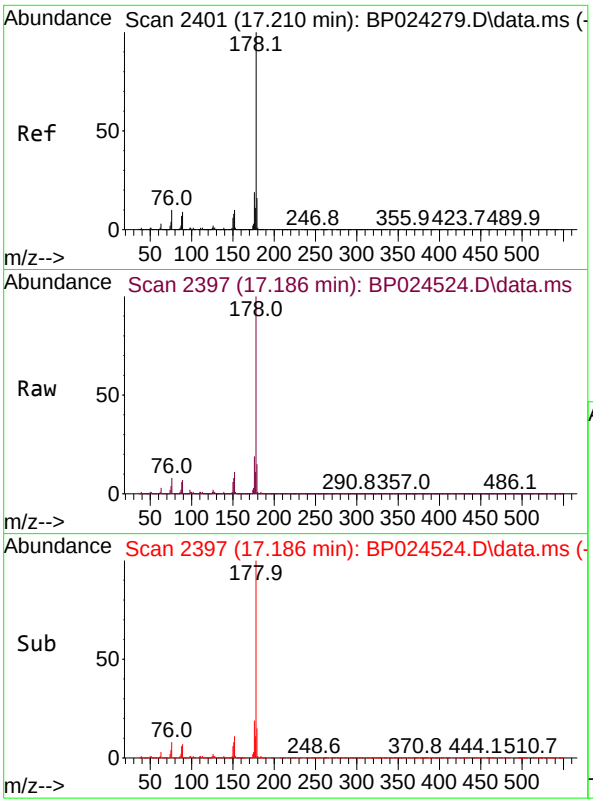


#70
Pentachlorophenol
Concen: 98.053 ng
RT: 16.792 min Scan# 2330
Delta R.T. -0.006 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion:266 Resp: 677371

Ion	Ratio	Lower	Upper
266	100		
268	64.1	51.0	76.6
264	62.7	49.8	74.6



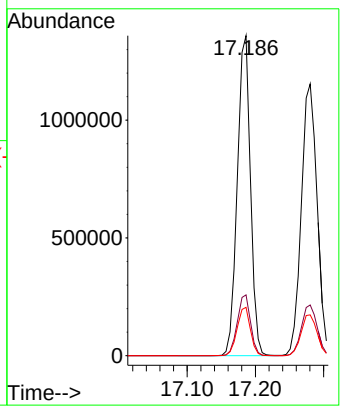


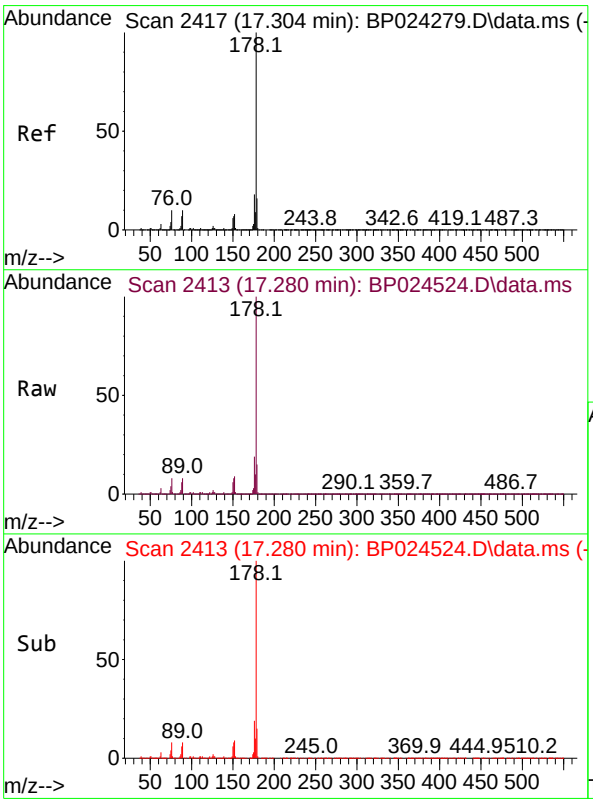
#71
Phenanthrene
Concen: 43.796 ng
RT: 17.186 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion:178 Resp: 1820467

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.0
179	15.1	12.5	18.7

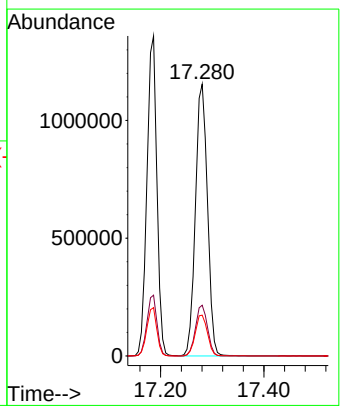


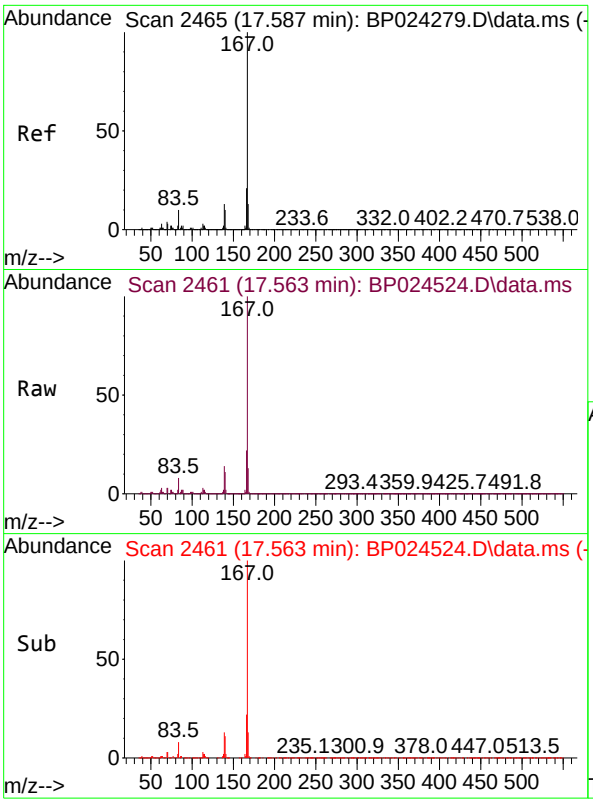


#72
Anthracene
Concen: 46.532 ng
RT: 17.280 min Scan# 2413
Delta R.T. -0.006 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion:178 Resp: 1864164

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.7	22.1
179	15.0	12.4	18.6



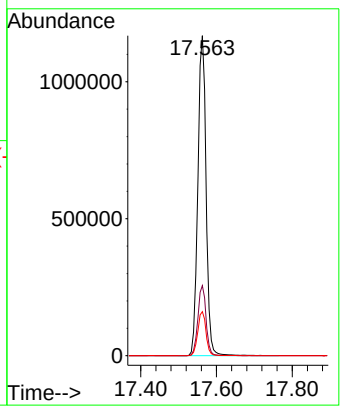


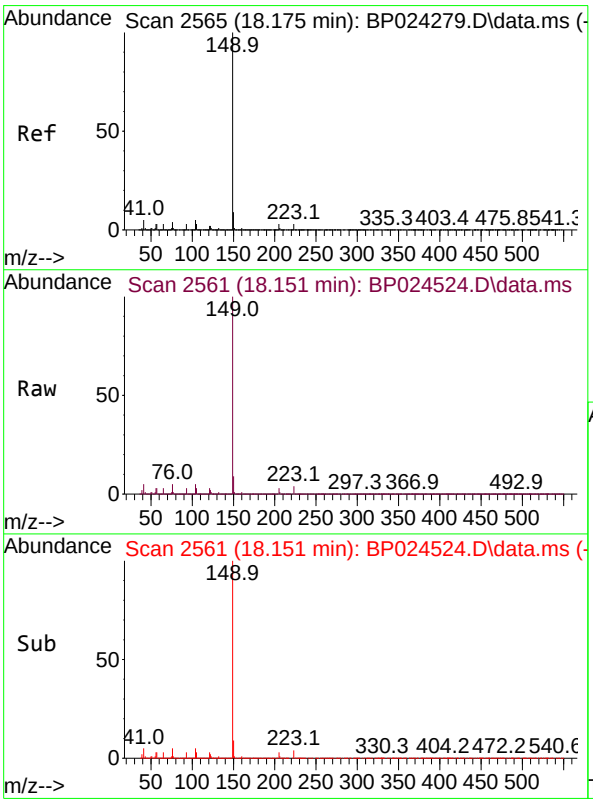
#73
Carbazole
Concen: 45.256 ng
RT: 17.563 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion:167 Resp: 1771505

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.1	25.7
139	13.7	10.6	16.0

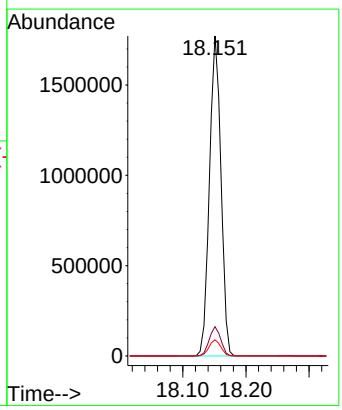


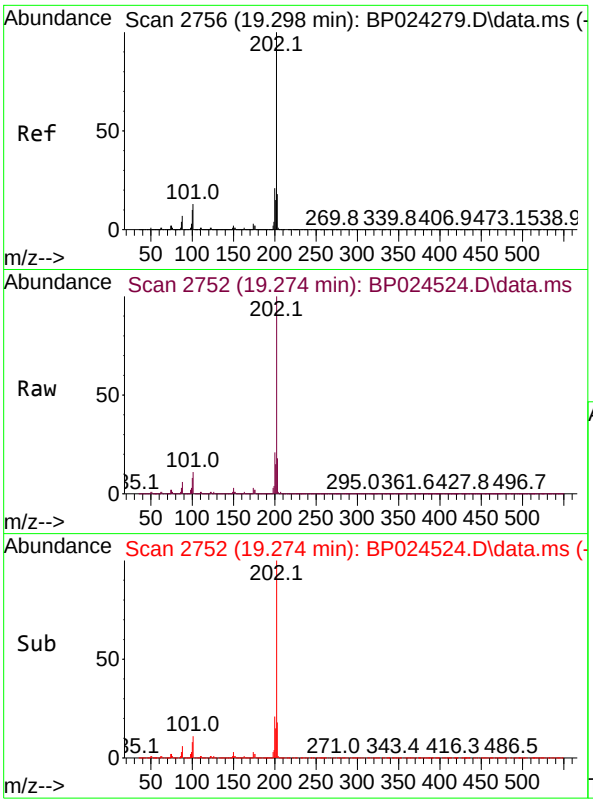


#74
Di-n-butylphthalate
Concen: 45.922 ng
RT: 18.151 min Scan# 2561
Delta R.T. -0.006 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion:149 Resp: 2239523

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.2
104	5.1	3.9	5.9



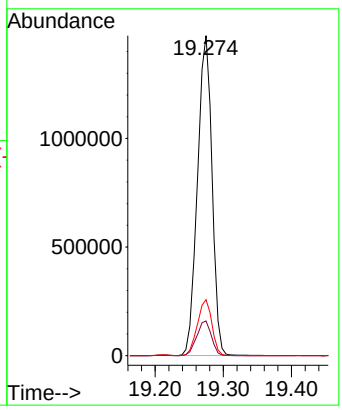


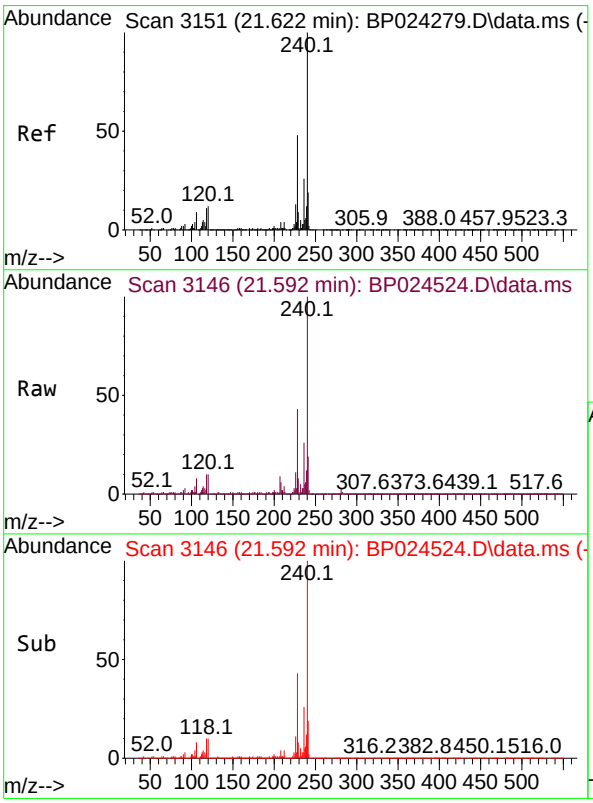
#75
Fluoranthene
Concen: 44.169 ng
RT: 19.274 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion:202 Resp: 2183612

Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	33.2
203	17.5	0.0	37.7

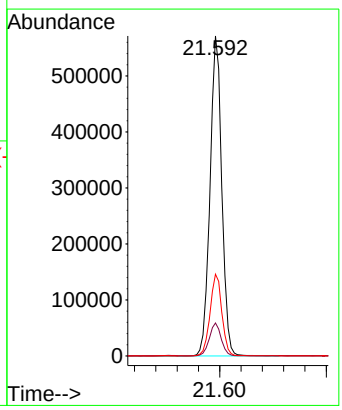


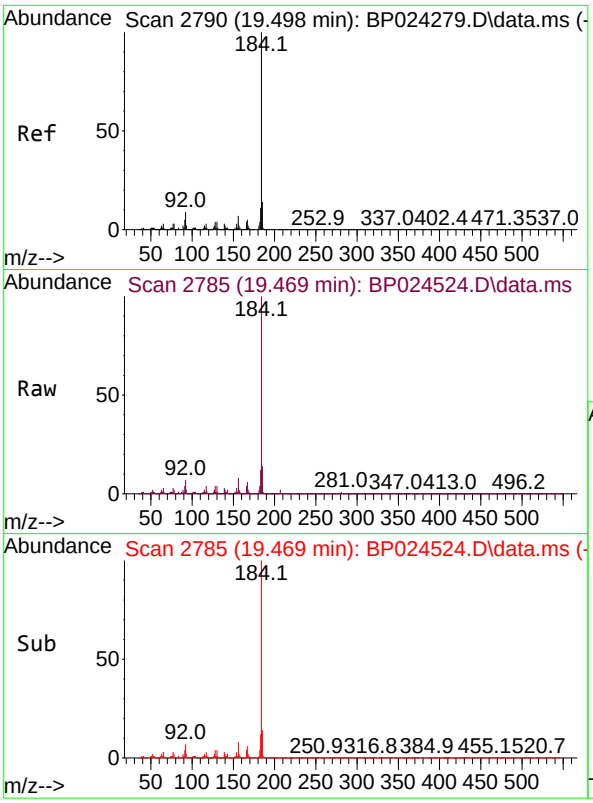


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.592 min Scan# 3146
Delta R.T. -0.000 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion:240 Resp: 876116

Ion	Ratio	Lower	Upper
240	100		
120	10.3	9.8	14.8
236	25.5	20.9	31.3



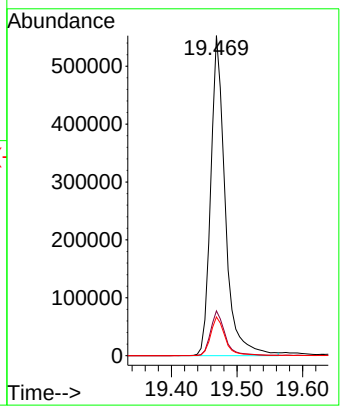


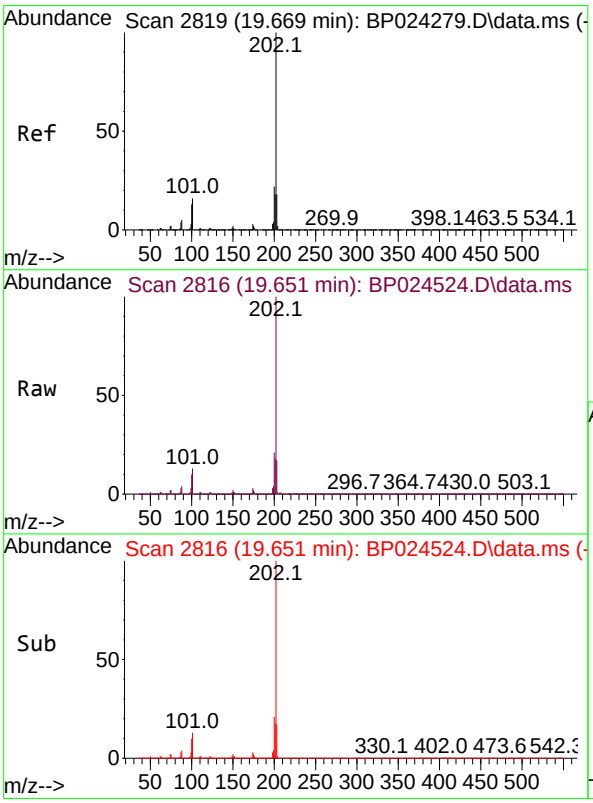
#77
Benzidine
Concen: 76.522 ng
RT: 19.469 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion:184 Resp: 849820

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.6	17.4
183	12.1	9.2	13.8

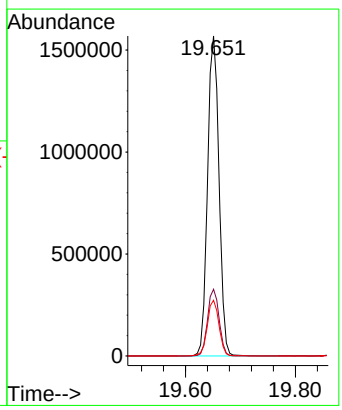


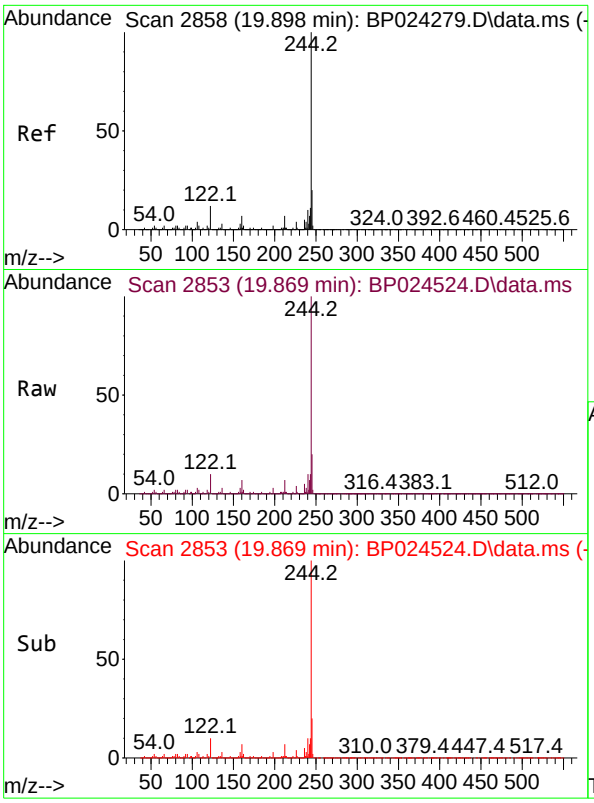


#78
Pyrene
Concen: 40.635 ng
RT: 19.651 min Scan# 2816
Delta R.T. 0.000 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion:202 Resp: 2262502

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.2	25.8
203	17.4	14.4	21.6



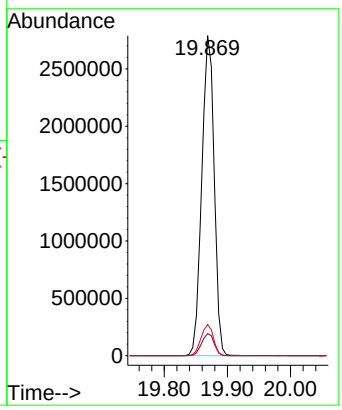


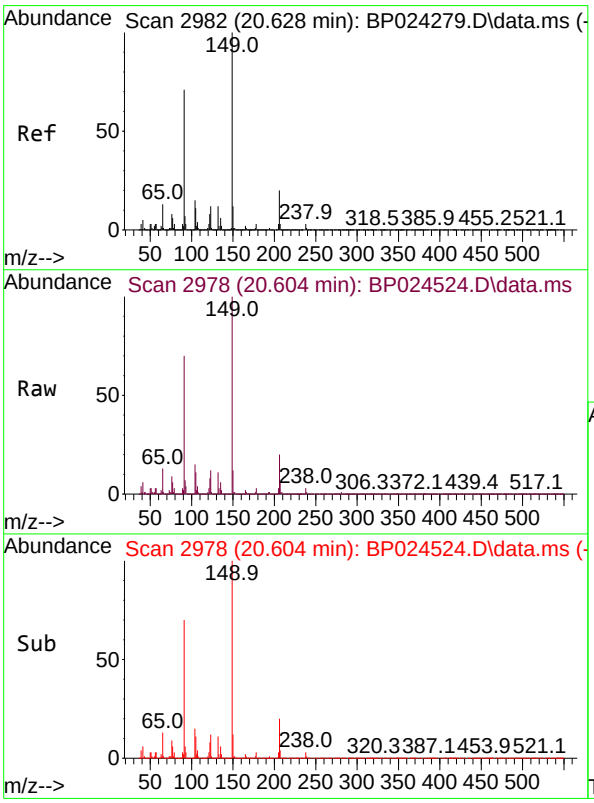
#79
Terphenyl-d14
Concen: 87.674 ng
RT: 19.869 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion:244 Resp: 3810818

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	9.7	9.4	14.0

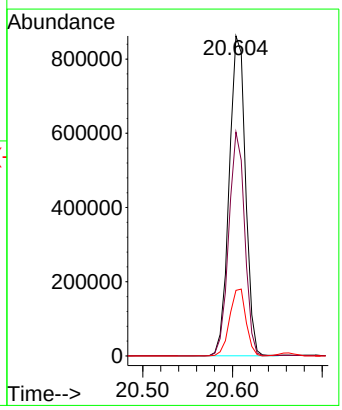


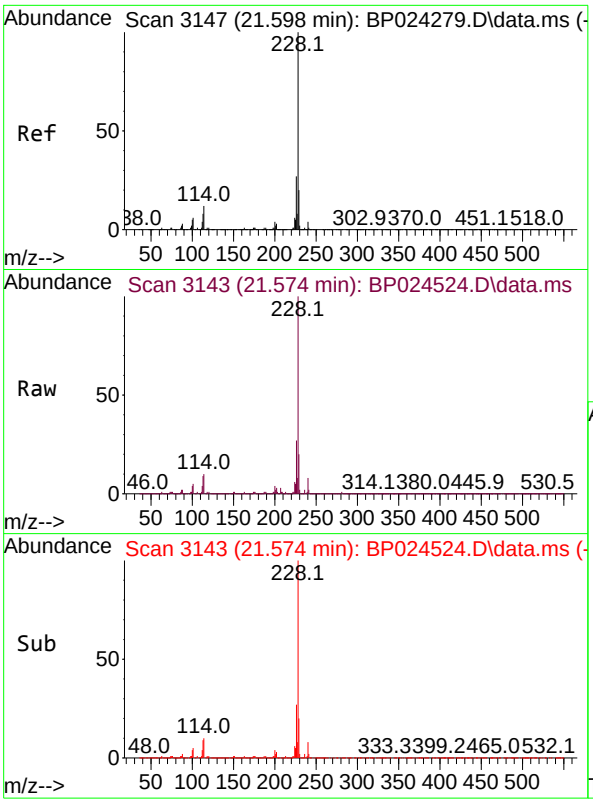


#80
Butylbenzylphthalate
Concen: 45.519 ng
RT: 20.604 min Scan# 2978
Delta R.T. -0.000 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion:149 Resp: 1085550

Ion	Ratio	Lower	Upper
149	100		
91	70.0	56.4	84.6
206	20.5	16.3	24.5



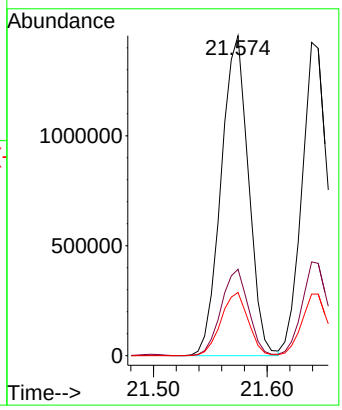


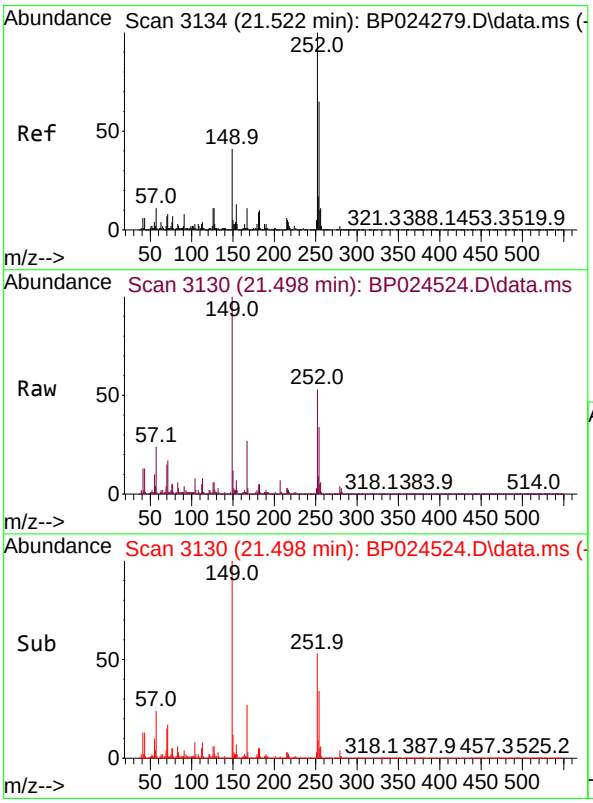
#81
Benzo(a)anthracene
Concen: 44.757 ng
RT: 21.574 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion:228 Resp: 2437272

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.8	32.8
229	19.8	15.9	23.9

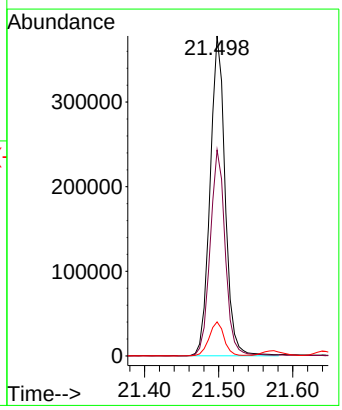


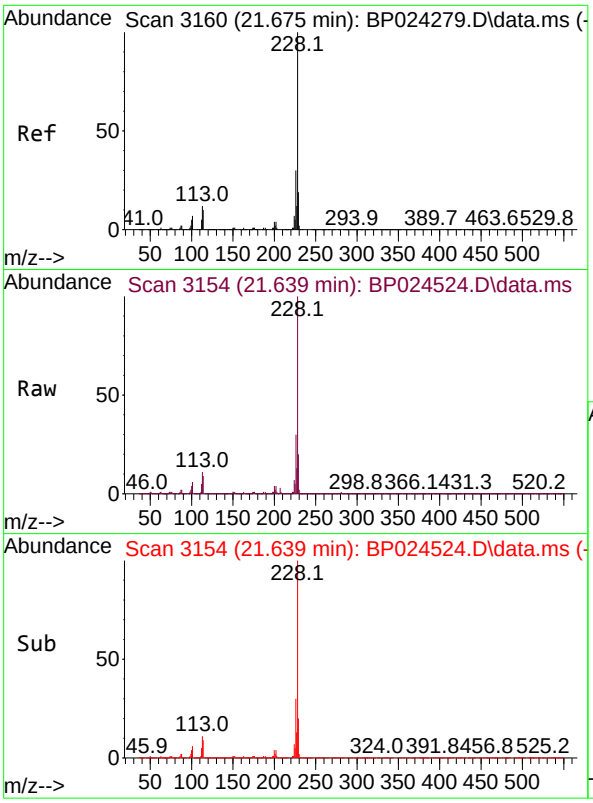


#82
3,3'-Dichlorobenzidine
Concen: 27.889 ng
RT: 21.498 min Scan# 3130
Delta R.T. 0.006 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion:252 Resp: 533046

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.7	77.5
126	10.7	8.8	13.2



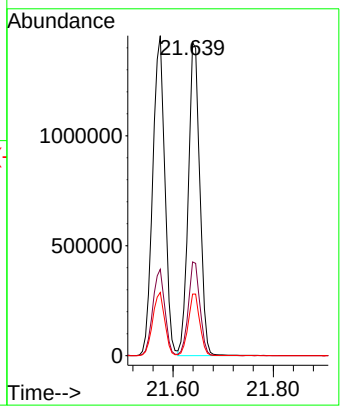


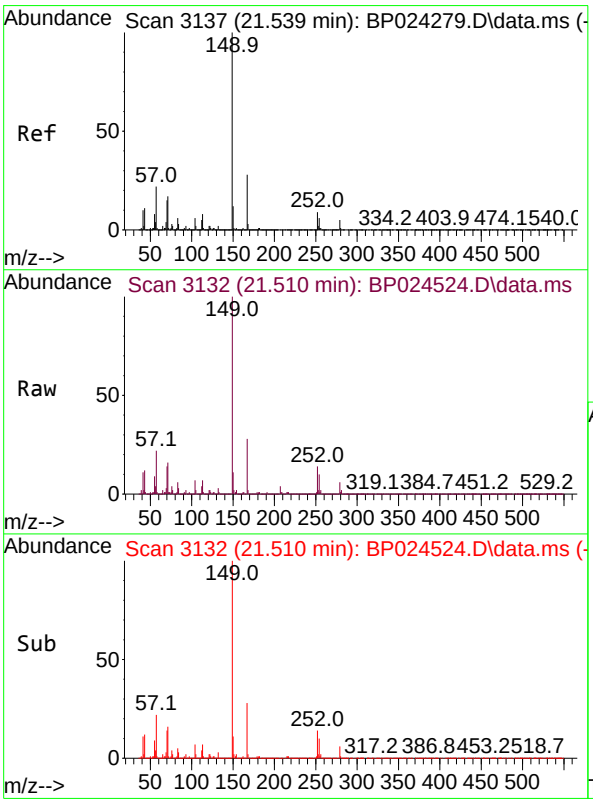
#83
Chrysene
Concen: 43.435 ng
RT: 21.639 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion:228 Resp: 2266044

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.2	36.2
229	19.7	15.6	23.4

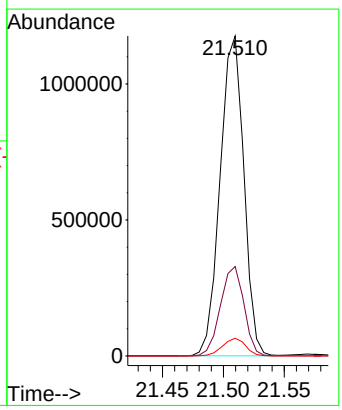


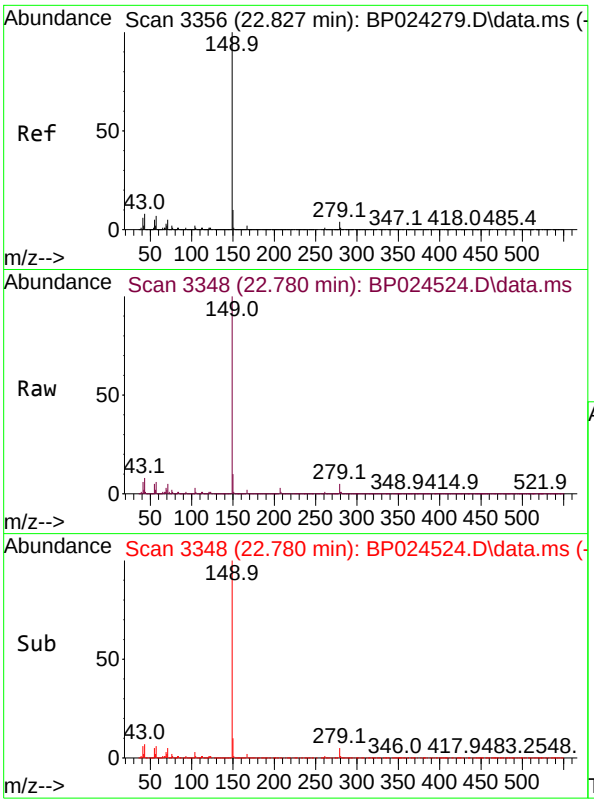


#84
Bis(2-ethylhexyl)phthalate
Concen: 45.527 ng
RT: 21.510 min Scan# 3132
Delta R.T. -0.000 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion:149 Resp: 1591637

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.4	33.6
279	5.5	4.0	6.0



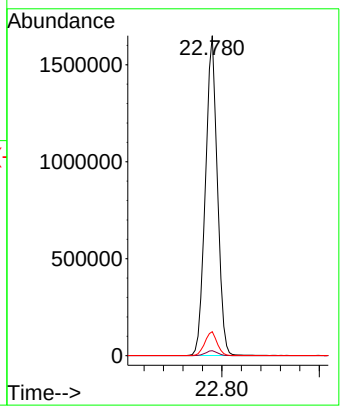


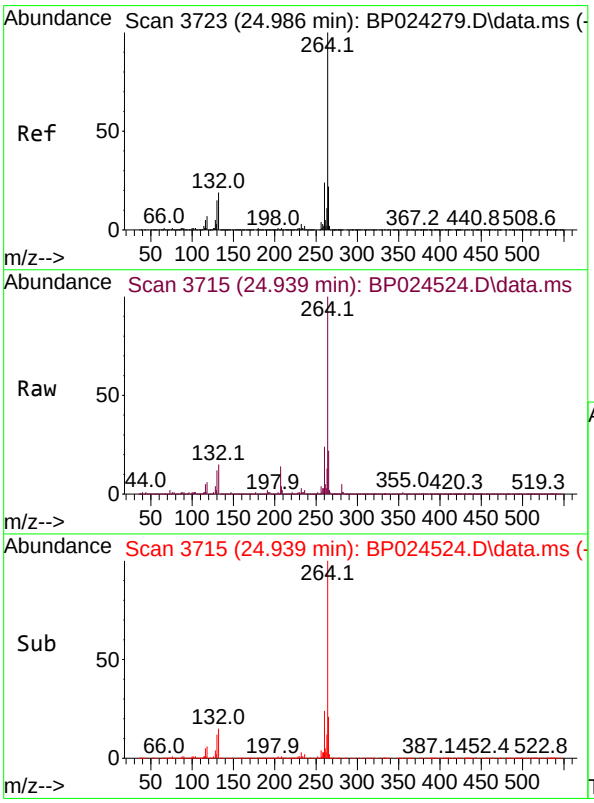
#85
Di-n-octyl phthalate
Concen: 49.115 ng
RT: 22.780 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion:149 Resp: 2791472

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.6	6.0	9.0

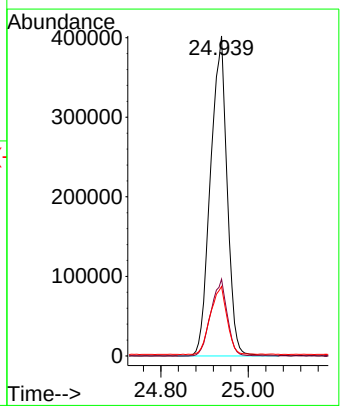


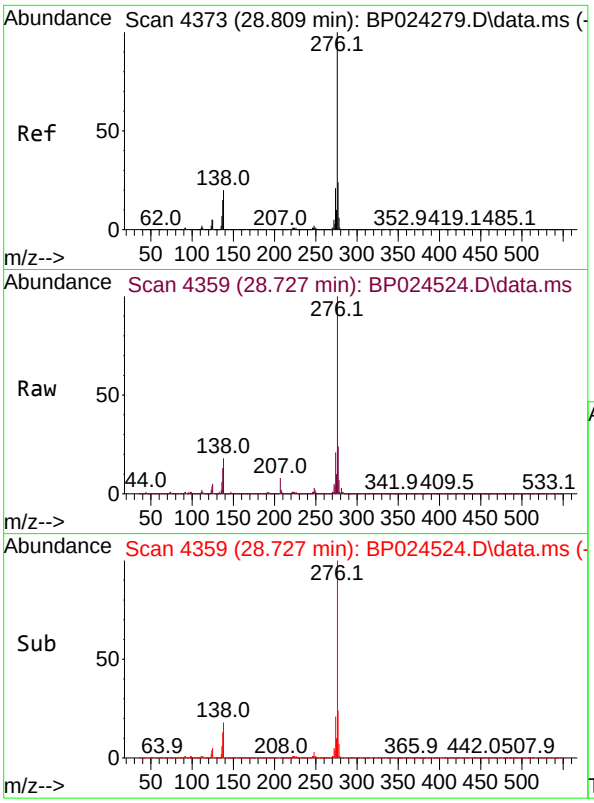


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.939 min Scan# 3715
Delta R.T. 0.006 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion:264 Resp: 1058529

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.9	28.3
265	21.7	17.8	26.6



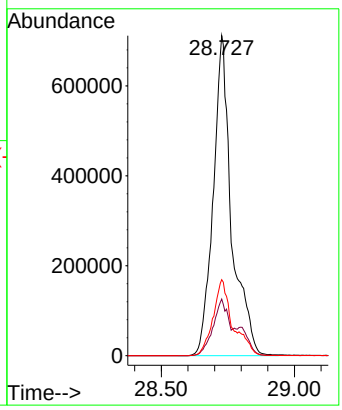


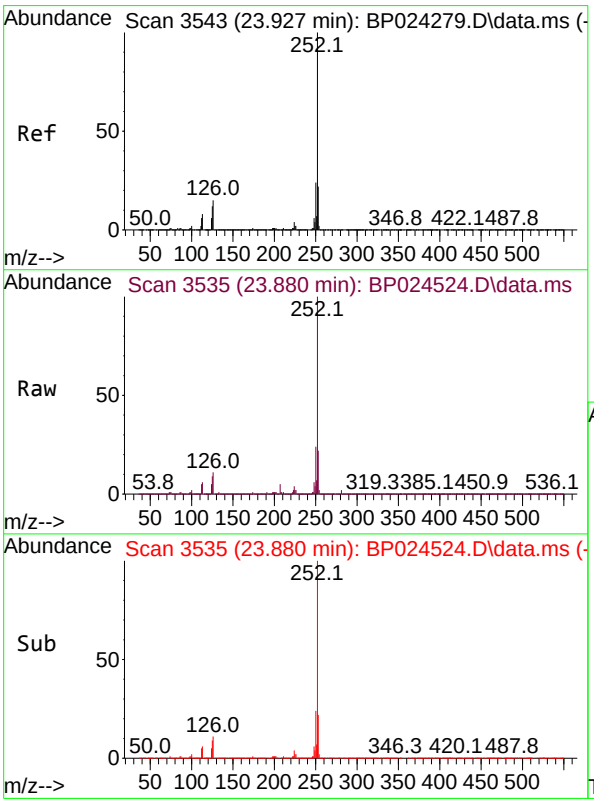
#87
Indeno(1,2,3-cd)pyrene
Concen: 46.473 ng
RT: 28.727 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion:276 Resp: 3415216

Ion	Ratio	Lower	Upper
276	100		
138	15.1	14.5	21.7
277	25.4	20.2	30.2

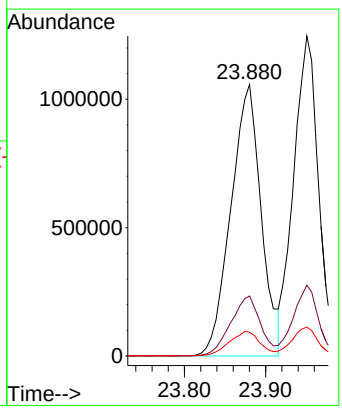


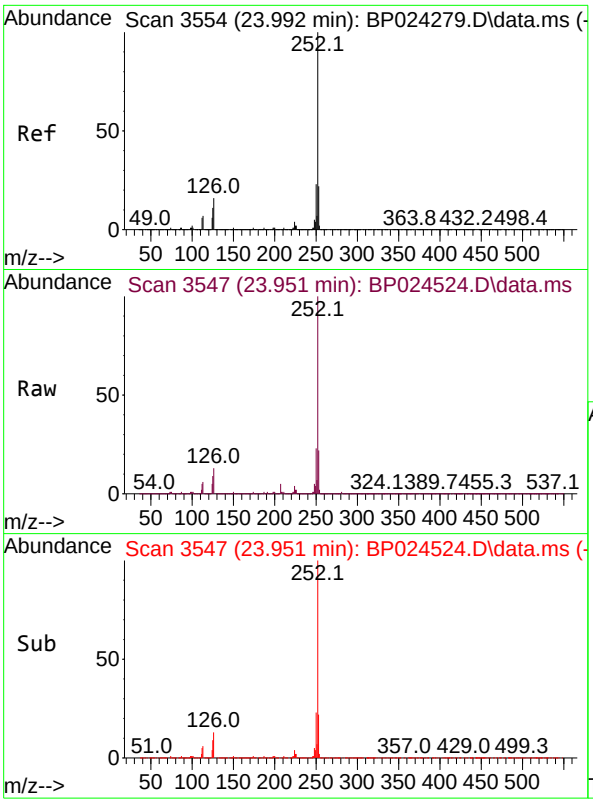


#88
Benzo(b)fluoranthene
Concen: 43.298 ng
RT: 23.880 min Scan# 3535
Delta R.T. -0.006 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion:252 Resp: 2747246

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	8.7	9.4	14.0#



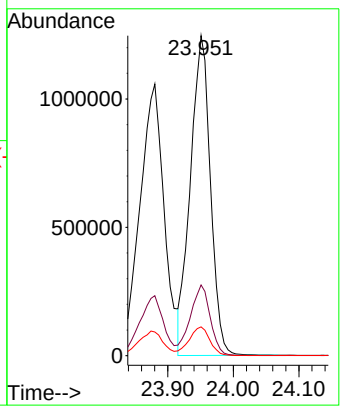


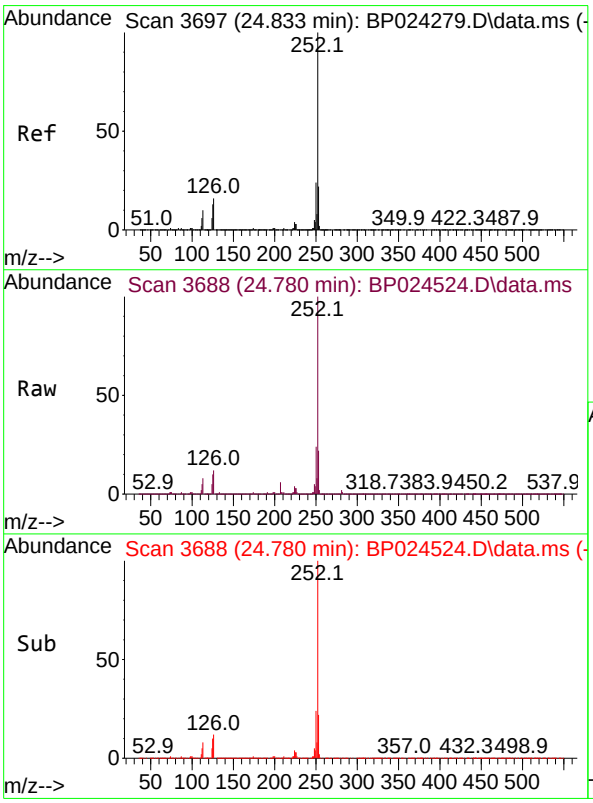
#89
Benzo(k)fluoranthene
Concen: 43.218 ng
RT: 23.951 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion:252 Resp: 2648737

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	9.0	9.1	13.7#

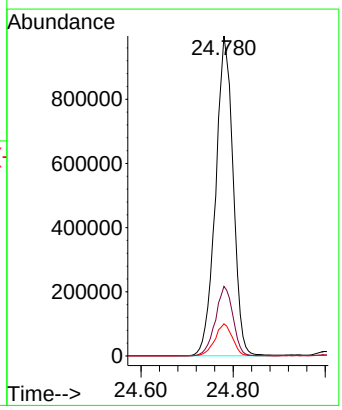


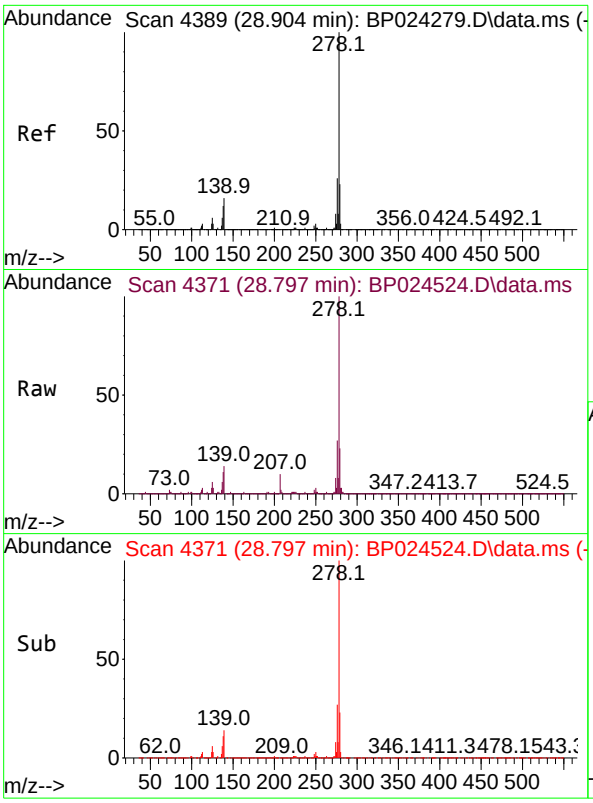


#90
Benzo(a)pyrene
Concen: 47.908 ng
RT: 24.780 min Scan# 3688
Delta R.T. -0.000 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion:252 Resp: 2622034

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	10.0	10.1	15.1#



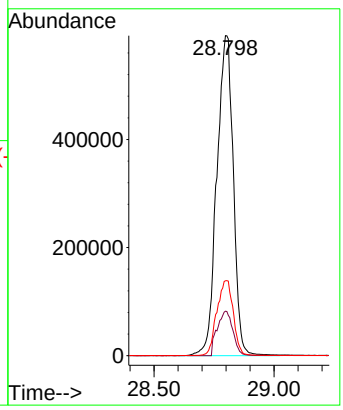


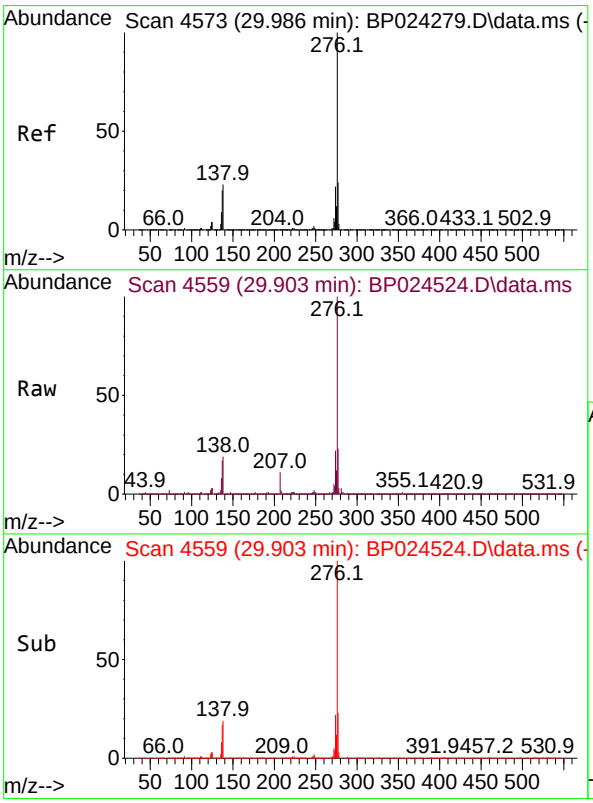
#91
Dibenzo(a,h)anthracene
Concen: 46.255 ng
RT: 28.797 min Scan# 4
Delta R.T. -0.006 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Instrument :
BNA_P
ClientSampleId :
PB167836BS

Tgt Ion:278 Resp: 2821392

Ion	Ratio	Lower	Upper
278	100		
139	13.9	12.6	19.0
279	23.4	18.5	27.7

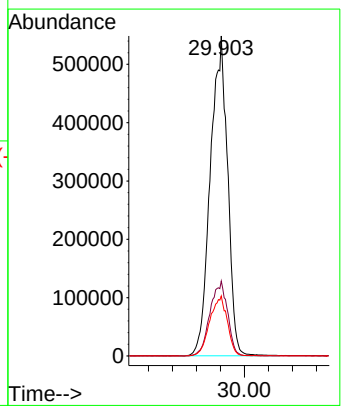




#92
Benzo(g,h,i)perylene
Concen: 43.950 ng
RT: 29.903 min Scan# 4559
Delta R.T. 0.006 min
Lab File: BP024524.D
Acq: 05 May 2025 13:59

Tgt Ion:276 Resp: 2728716

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.9	28.3
138	18.7	18.7	28.1



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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/24/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	COMP-2MS	SDG No.:	Q1883
Lab Sample ID:	Q1889-02MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	80.5
Sample Wt/Vol:	30.08 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050050.D	1	04/28/25 09:45	04/30/25 18:02	PB167767

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	1.50		0.028	0.16	0.21	mg/Kg
91-57-6	2-Methylnaphthalene	1.50		0.032	0.16	0.21	mg/Kg
208-96-8	Acenaphthylene	1.50		0.036	0.16	0.21	mg/Kg
83-32-9	Acenaphthene	1.50		0.026	0.16	0.21	mg/Kg
86-73-7	Fluorene	1.50		0.031	0.16	0.21	mg/Kg
85-01-8	Phenanthrene	1.60		0.026	0.16	0.21	mg/Kg
120-12-7	Anthracene	1.50		0.041	0.16	0.21	mg/Kg
206-44-0	Fluoranthene	1.50		0.037	0.16	0.21	mg/Kg
129-00-0	Pyrene	1.50		0.045	0.16	0.21	mg/Kg
56-55-3	Benzo(a)anthracene	1.50		0.029	0.16	0.21	mg/Kg
218-01-9	Chrysene	1.50		0.025	0.16	0.21	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.50		0.024	0.16	0.21	mg/Kg
207-08-9	Benzo(k)fluoranthene	1.50		0.028	0.16	0.21	mg/Kg
50-32-8	Benzo(a)pyrene	1.50		0.037	0.16	0.21	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.60		0.036	0.16	0.21	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	1.70		0.034	0.16	0.21	mg/Kg
191-24-2	Benzo(g,h,i)perylene	1.70		0.032	0.16	0.21	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	48.4		37 - 122		48%	SPK: 100
321-60-8	2-Fluorobiphenyl	44.7		44 - 115		45%	SPK: 100
1718-51-0	Terphenyl-d14	43.4	*	54 - 127		43%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	260000	7.763				
1146-65-2	Naphthalene-d8	925000	10.557				
15067-26-2	Acenaphthene-d10	581000	14.41				
1517-22-2	Phenanthrene-d10	1070000	17.151				
1719-03-5	Chrysene-d12	1080000	21.392				
1520-96-3	Perylene-d12	1080000	24.391				

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Report of Analysis

Client:	Nobis Group	Date Collected:	04/24/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	COMP-2MS	SDG No.:	Q1883
Lab Sample ID:	Q1889-02MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	80.5
Sample Wt/Vol:	30.08 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050050.D	1	04/28/25 09:45	04/30/25 18:02	PB167767

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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_M\Data\BM043025\
Data File : BM050050.D
Acq On : 30 Apr 2025 18:02
Operator : RC/JU
Sample : Q1889-02MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Quant Time: May 01 02:17:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.763	152	260053	20.000	ng		0.00
21) Naphthalene-d8	10.557	136	924881	20.000	ng		0.00
39) Acenaphthene-d10	14.410	164	580714	20.000	ng		0.00
64) Phenanthrene-d10	17.151	188	1072390	20.000	ng		0.00
76) Chrysene-d12	21.392	240	1080297	20.000	ng		0.00
86) Perylene-d12	24.391	264	1082313	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.357	112	1207884	81.333	ng		0.00
7) Phenol-d6	6.946	99	1546919	82.874	ng		0.00
23) Nitrobenzene-d5	8.922	82	908964	48.428	ng		0.00
42) 2,4,6-Tribromophenol	15.904	330	652828	76.028	ng		0.00
45) 2-Fluorobiphenyl	13.028	172	2192086	44.655	ng		0.00
79) Terphenyl-d14	19.774	244	3170717	43.431	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.252	88	212006	33.294	ng		98
3) Pyridine	3.652	79	579579	35.425	ng		97
4) n-Nitrosodimethylamine	3.563	42	250266	39.002	ng		100
6) Aniline	7.093	93	344158	14.601	ng		97
8) 2-Chlorophenol	7.334	128	602256	37.507	ng		97
9) Benzaldehyde	6.910	77	281774	22.558	ng		99
10) Phenol	6.975	94	750763	39.731	ng		99
11) bis(2-Chloroethyl)ether	7.187	93	569946	36.121	ng		98
12) 1,3-Dichlorobenzene	7.651	146	689621	35.554	ng		98
13) 1,4-Dichlorobenzene	7.798	146	695617	35.698	ng		99
14) 1,2-Dichlorobenzene	8.116	146	669650	35.576	ng		100
15) Benzyl Alcohol	8.010	79	486873	37.612	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.287	45	716370	37.350	ng		98
17) 2-Methylphenol	8.222	107	473814	38.062	ng		99
18) Hexachloroethane	8.840	117	252087	36.392	ng		97
19) n-Nitroso-di-n-propyla...	8.569	70	440140	36.766	ng		99
20) 3+4-Methylphenols	8.551	107	627710	37.340	ng		98
22) Acetophenone	8.587	105	858227	37.324	ng	#	98
24) Nitrobenzene	8.963	77	620157	38.213	ng		97
25) Isophorone	9.492	82	1153347	36.049	ng		99
26) 2-Nitrophenol	9.675	139	310010	37.391	ng		98
27) 2,4-Dimethylphenol	9.745	122	525861	38.246	ng		98
28) bis(2-Chloroethoxy)met...	9.969	93	735675	37.203	ng		100
29) 2,4-Dichlorophenol	10.228	162	582452	37.813	ng		100
30) 1,2,4-Trichlorobenzene	10.422	180	679512	36.208	ng		100
31) Naphthalene	10.610	128	1705377	36.410	ng		99
32) Benzoic acid	9.904	122	305918	34.788	ng		98
33) 4-Chloroaniline	10.734	127	163553	8.519	ng		98
34) Hexachlorobutadiene	10.892	225	428582	35.977	ng		99
35) Caprolactam	11.516	113	150290	33.463	ng	#	82
36) 4-Chloro-3-methylphenol	11.863	107	518459	36.432	ng		98
37) 2-Methylnaphthalene	12.222	142	1120965	35.696	ng		99
38) 1-Methylnaphthalene	12.439	142	1182761	35.590	ng		100
40) 1,2,4,5-Tetrachloroben...	12.598	216	770104	38.308	ng		99
41) Hexachlorocyclopentadiene	12.575	237	1013360	82.486	ng		100
43) 2,4,6-Trichlorophenol	12.845	196	489977	38.428	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050050.D
Acq On : 30 Apr 2025 18:02
Operator : RC/JU
Sample : Q1889-02MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Quant Time: May 01 02:17:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

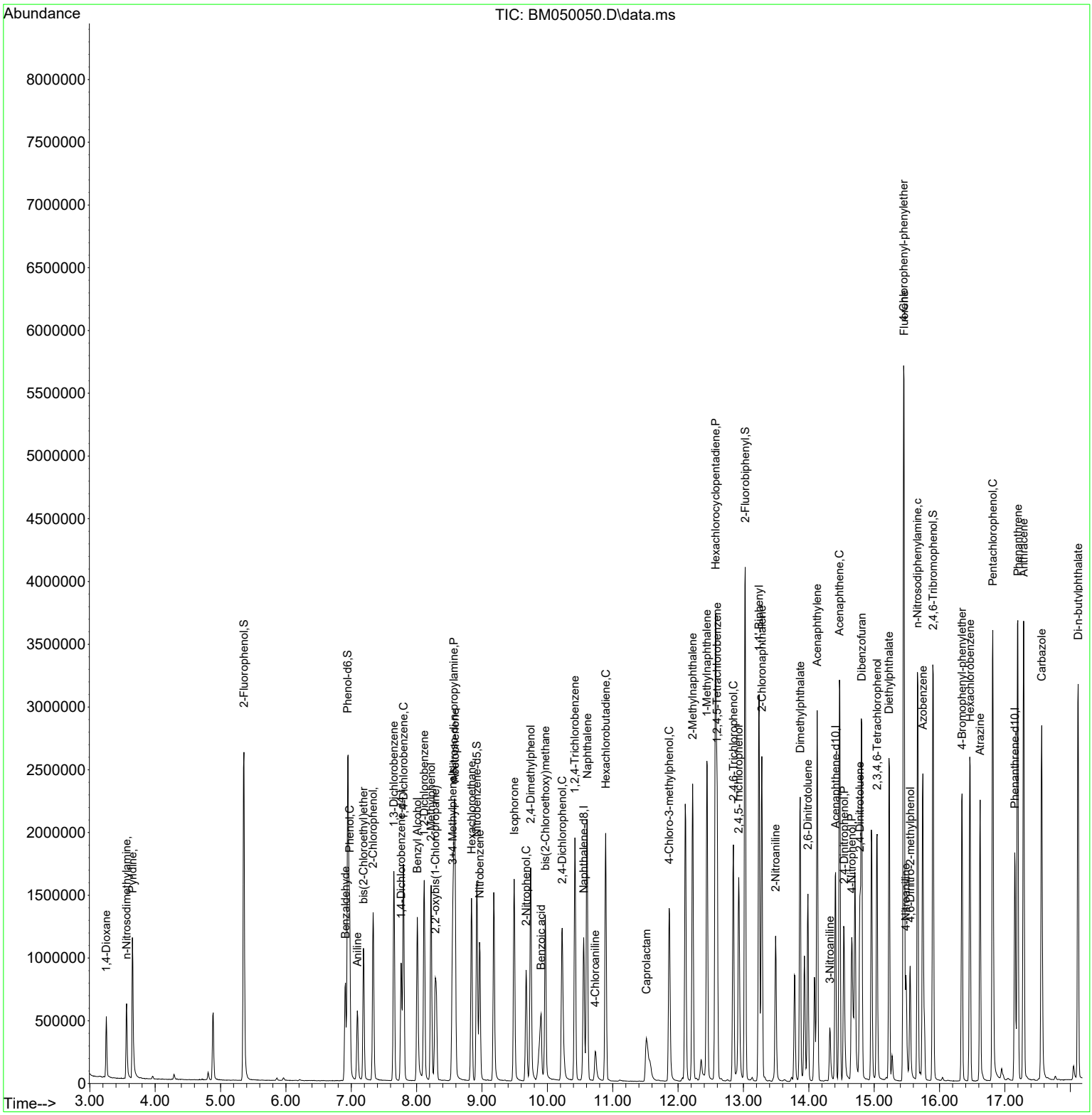
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.928	196	526488	38.292	ng	98
46) 1,1'-Biphenyl	13.239	154	1629799	37.755	ng	99
47) 2-Chloronaphthalene	13.280	162	1302160	38.087	ng	100
48) 2-Nitroaniline	13.492	65	310914	38.748	ng	94
49) Acenaphthylene	14.127	152	1998341	37.072	ng	100
50) Dimethylphthalate	13.869	163	1525141	35.937	ng	99
51) 2,6-Dinitrotoluene	13.986	165	319365	36.346	ng	95
52) Acenaphthene	14.469	154	1152348	36.932	ng	100
53) 3-Nitroaniline	14.322	138	123502	14.722	ng	96
54) 2,4-Dinitrophenol	14.539	184	352044	63.853	ng	97
55) Dibenzofuran	14.810	168	1905961	36.714	ng	99
56) 4-Nitrophenol	14.657	139	491031	72.404	ng	94
57) 2,4-Dinitrotoluene	14.780	165	445355	36.680	ng	95
58) Fluorene	15.457	166	1587784	37.366	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.045	232	435492	36.591	ng	99
60) Diethylphthalate	15.227	149	1412851	35.331	ng	99
61) 4-Chlorophenyl-phenyle...	15.451	204	865139	37.068	ng	98
62) 4-Nitroaniline	15.486	138	268767	33.207	ng	92
63) Azobenzene	15.745	77	1412905	42.158	ng	99
65) 4,6-Dinitro-2-methylph...	15.551	198	233014	34.712	ng	97
66) n-Nitrosodiphenylamine	15.663	169	1272523	38.643	ng	99
67) 4-Bromophenyl-phenylether	16.345	248	492266	37.960	ng	98
68) Hexachlorobenzene	16.468	284	560879	37.521	ng	96
69) Atrazine	16.621	200	439898	37.034	ng	99
70) Pentachlorophenol	16.815	266	705569	83.853	ng	99
71) Phenanthrene	17.198	178	2286790	37.808	ng	100
72) Anthracene	17.286	178	2292656	37.456	ng	100
73) Carbazole	17.563	167	1977881	37.238	ng	99
74) Di-n-butylphthalate	18.121	149	2350453	37.160	ng	99
75) Fluoranthene	19.215	202	2630073	37.037	ng	100
77) Benzidine	19.404	184	994596	25.919	ng	100
78) Pyrene	19.574	202	2725548	35.928	ng	100
80) Butylbenzylphthalate	20.474	149	1023890	36.036	ng	96
81) Benzo(a)anthracene	21.374	228	2779421	37.362	ng	100
82) 3,3'-Dichlorobenzidine	21.298	252	529097	18.579	ng	99
83) Chrysene	21.439	228	2576404	37.420	ng	100
84) Bis(2-ethylhexyl)phtha...	21.292	149	1587083	37.396	ng	97
85) Di-n-octyl phthalate	22.421	149	2619466	37.427	ng	99
87) Indeno(1,2,3-cd)pyrene	27.779	276	3213578	39.848	ng	100
88) Benzo(b)fluoranthene	23.444	252	2597561	36.905	ng	100
89) Benzo(k)fluoranthene	23.509	252	2629012	36.926	ng	100
90) Benzo(a)pyrene	24.250	252	2463380	37.367	ng	99
91) Dibenzo(a,h)anthracene	27.827	278	2634617	40.077	ng	99
92) Benzo(g,h,i)perylene	28.838	276	2527554	40.160	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050050.D
Acq On : 30 Apr 2025 18:02
Operator : RC/JU
Sample : Q1889-02MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

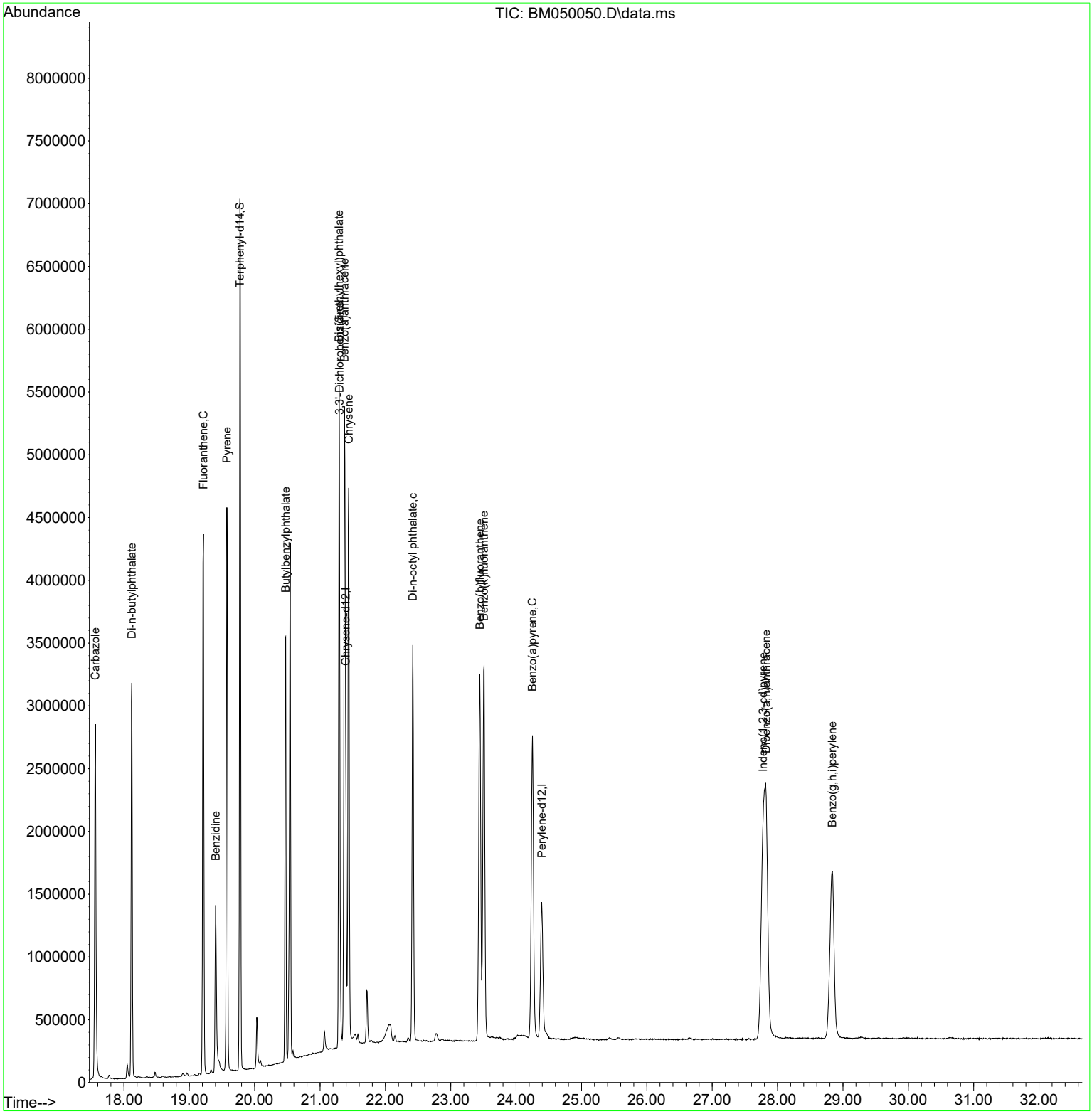
Quant Time: May 01 02:17:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

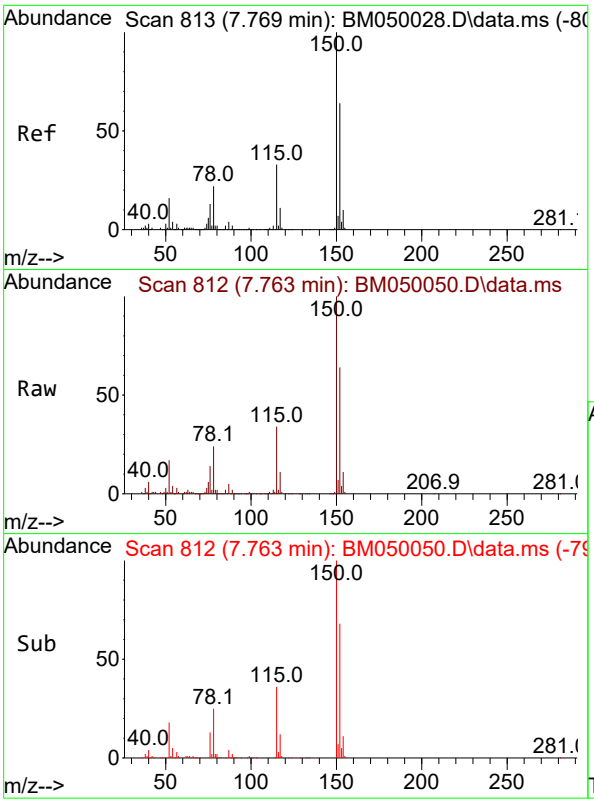


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050050.D
Acq On : 30 Apr 2025 18:02
Operator : RC/JU
Sample : Q1889-02MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Quant Time: May 01 02:17:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



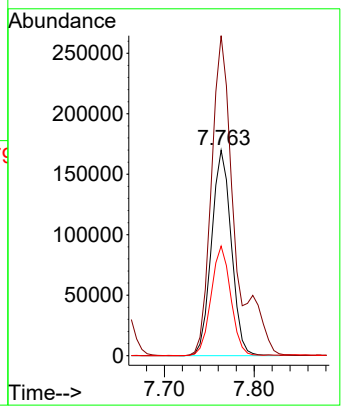


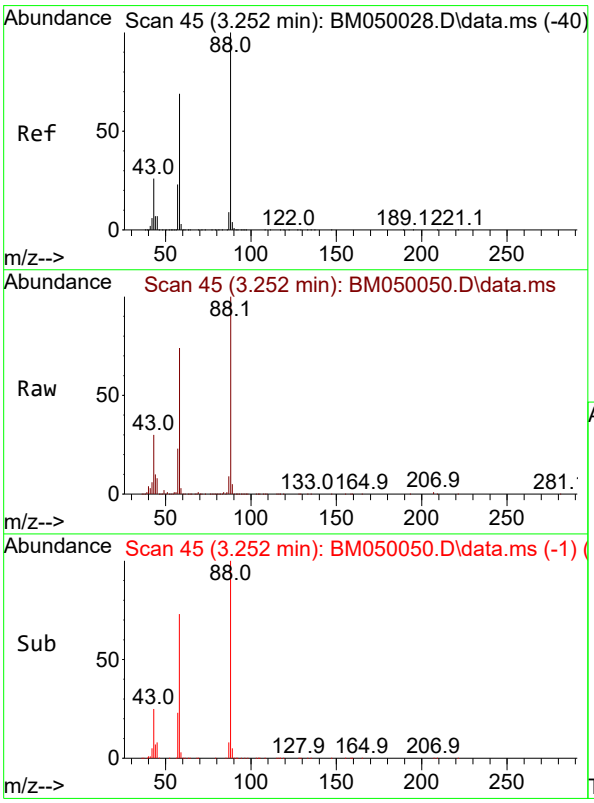
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion:152 Resp: 260053

Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.1	186.1
115	53.4	41.2	61.8

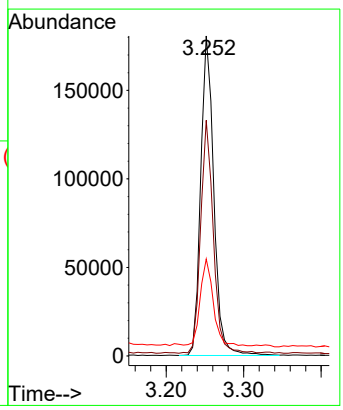


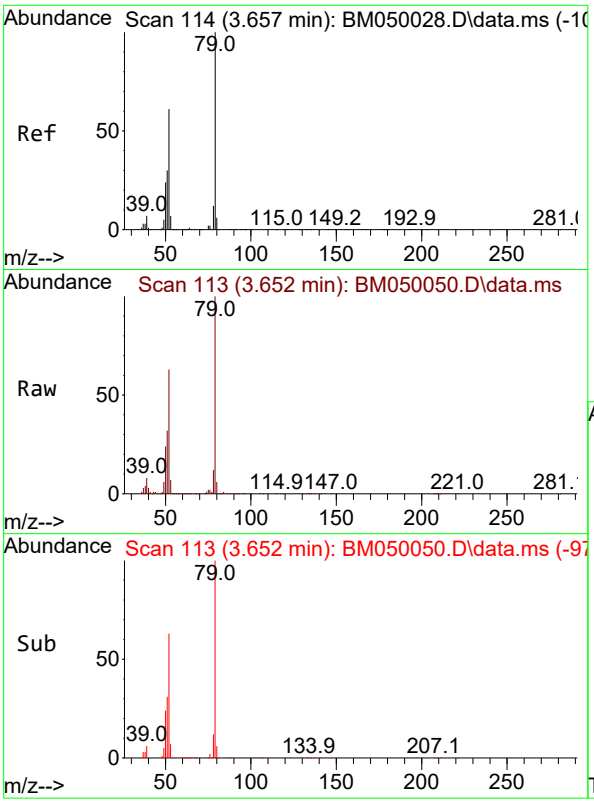


#2
1,4-Dioxane
Concen: 33.294 ng
RT: 3.252 min Scan# 45
Delta R.T. 0.000 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion: 88 Resp: 212006

Ion	Ratio	Lower	Upper
88	100		
58	70.3	55.1	82.7
43	26.7	20.9	31.3



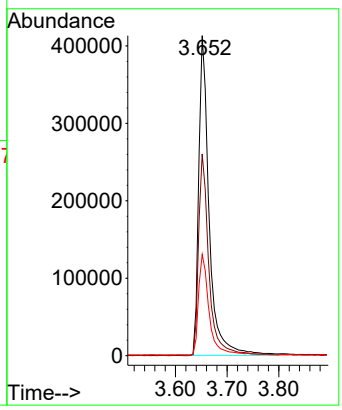


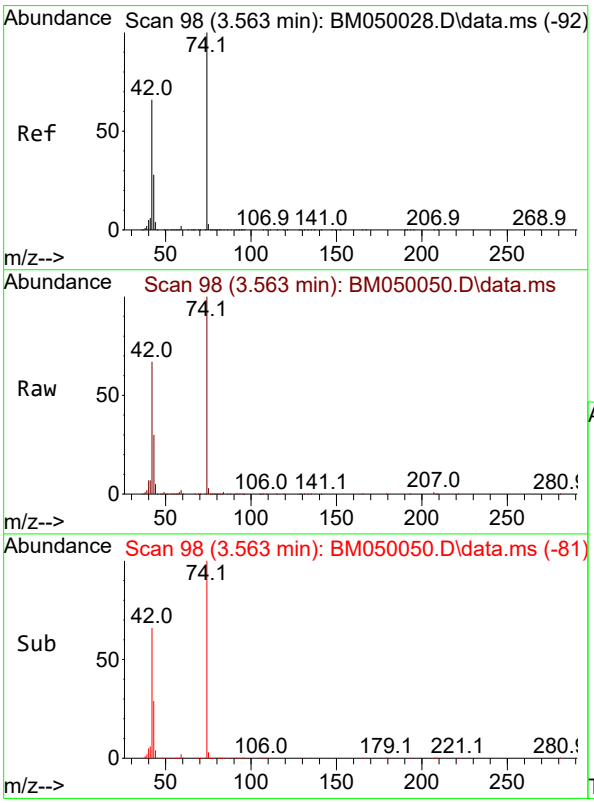
#3
Pyridine
Concen: 35.425 ng
RT: 3.652 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion: 79 Resp: 579579

Ion	Ratio	Lower	Upper
79	100		
52	63.1	48.6	72.8
51	31.6	24.6	37.0

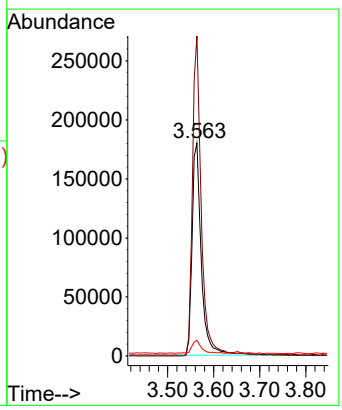


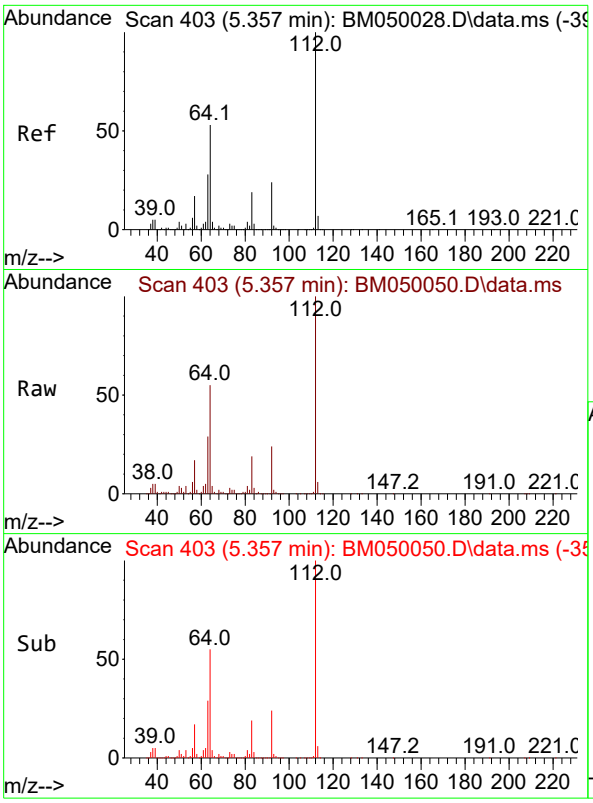


#4
n-Nitrosodimethylamine
Concen: 39.002 ng
RT: 3.563 min Scan# 98
Delta R.T. 0.000 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion: 42 Resp: 250266

Ion	Ratio	Lower	Upper
42	100		
74	150.4	120.2	180.2
44	7.4	6.2	9.2



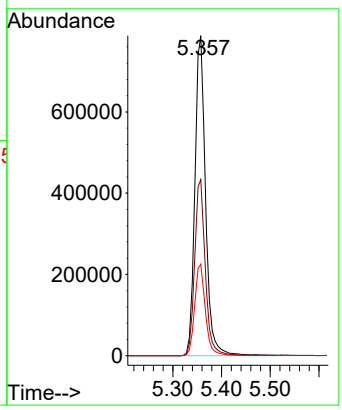


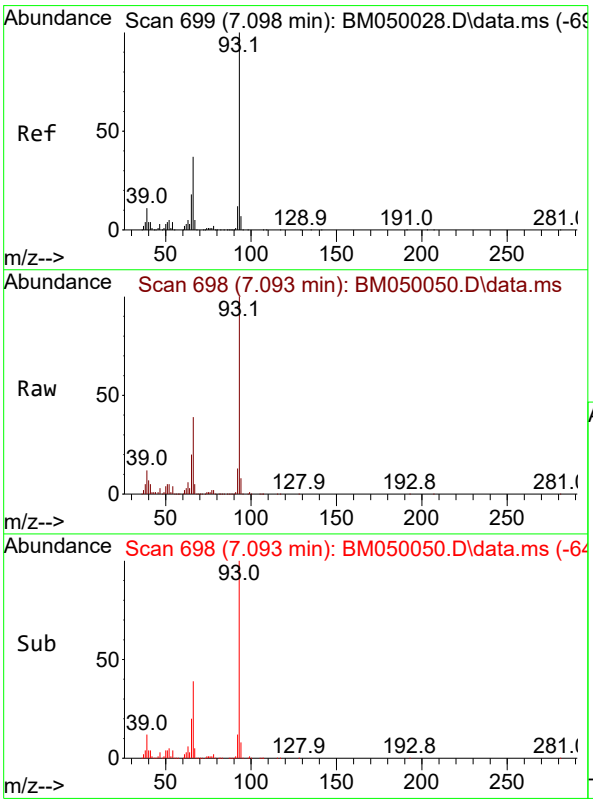
#5
2-Fluorophenol
Concen: 81.333 ng
RT: 5.357 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion:112 Resp: 1207884

Ion	Ratio	Lower	Upper
112	100		
64	55.0	42.6	64.0
63	28.6	22.2	33.4

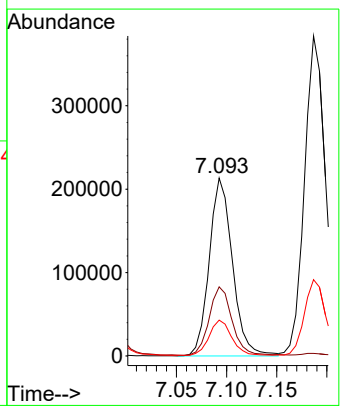


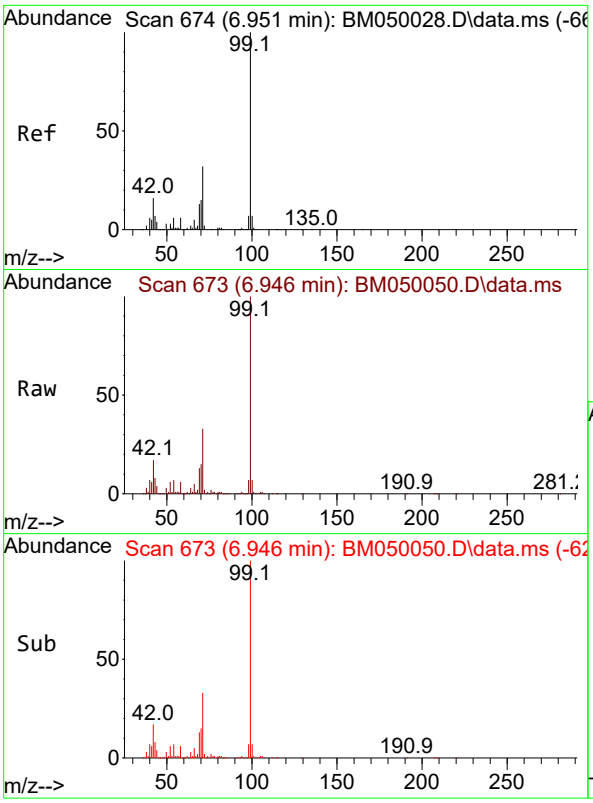


#6
Aniline
Concen: 14.601 ng
RT: 7.093 min Scan# 698
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion: 93 Resp: 344158

Ion	Ratio	Lower	Upper
93	100		
66	38.8	29.9	44.9
65	20.1	14.5	21.7



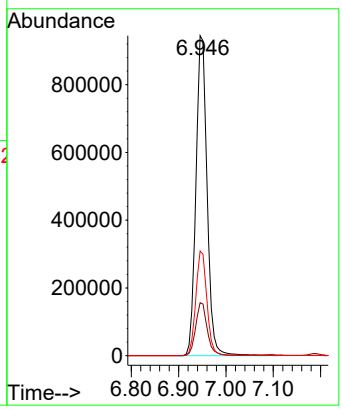


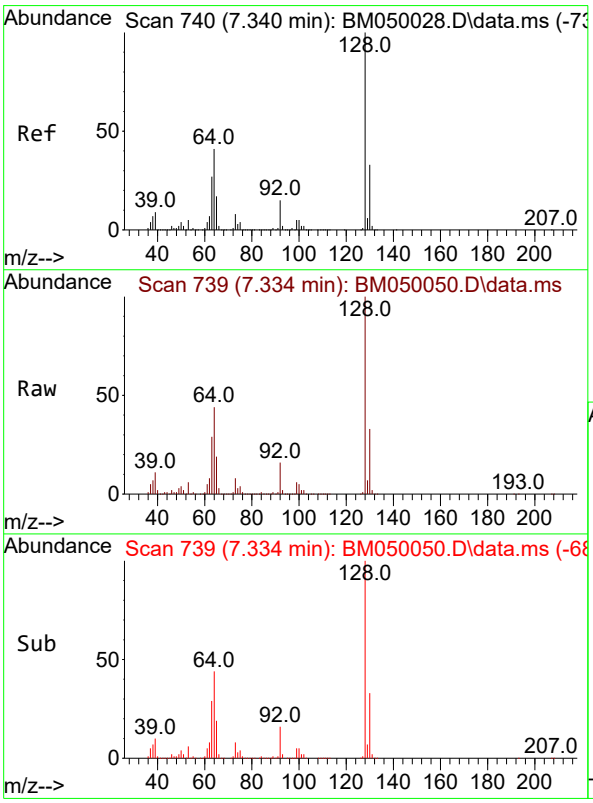
#7
Phenol-d6
Concen: 82.874 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion: 99 Resp: 1546919

Ion	Ratio	Lower	Upper
99	100		
42	16.6	13.0	19.4
71	32.7	25.6	38.4

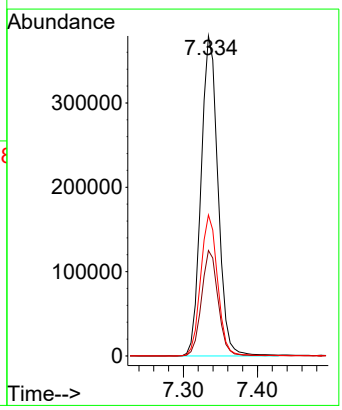


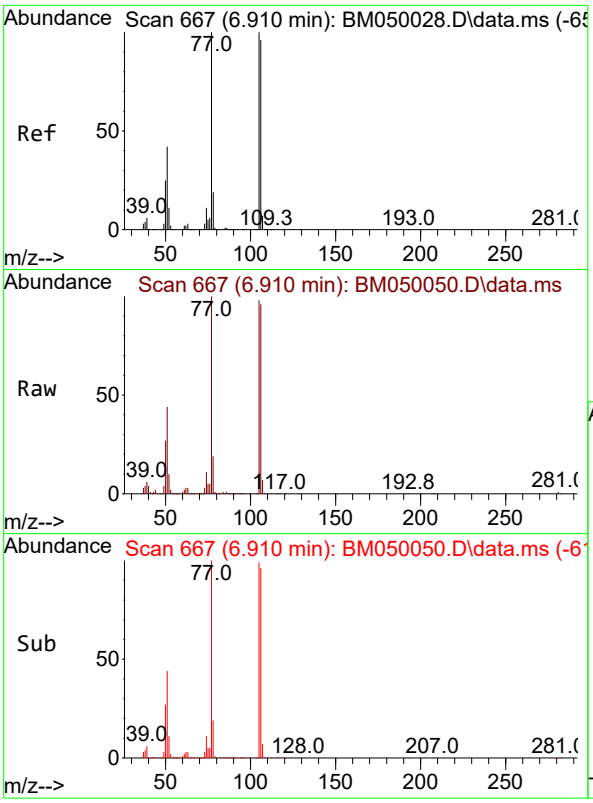


#8
2-Chlorophenol
Concen: 37.507 ng
RT: 7.334 min Scan# 739
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion:128 Resp: 602256

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.8	52.8
64	44.0	21.2	61.2



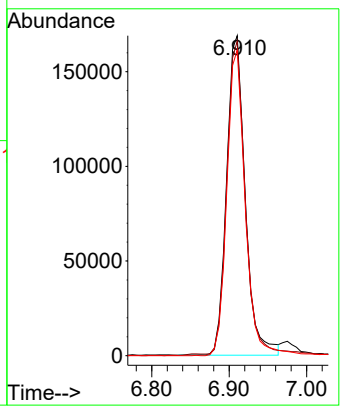


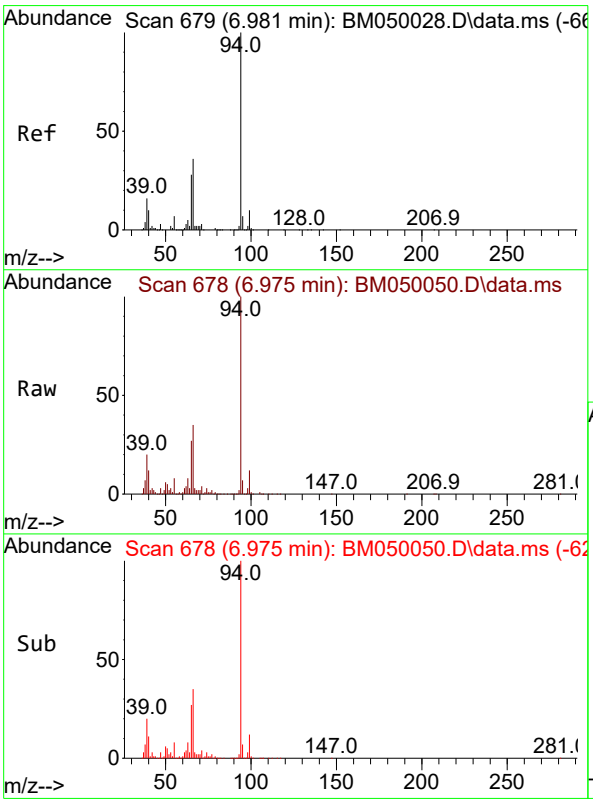
#9
Benzaldehyde
Concen: 22.558 ng
RT: 6.910 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion: 77 Resp: 281774

Ion	Ratio	Lower	Upper
77	100		
105	98.3	80.5	120.5
106	95.5	76.1	116.1

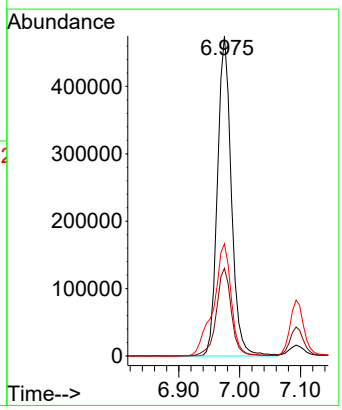


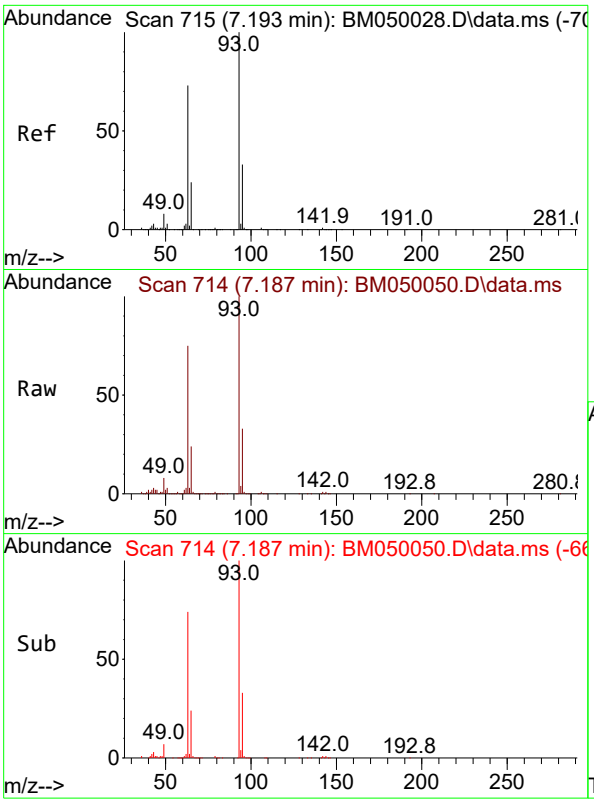


#10
Phenol
Concen: 39.731 ng
RT: 6.975 min Scan# 678
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion: 94 Resp: 750763

Ion	Ratio	Lower	Upper
94	100		
65	27.4	7.6	47.6
66	35.0	15.8	55.8



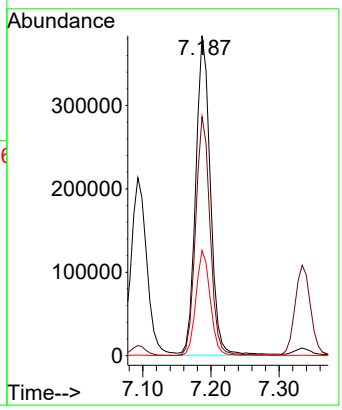


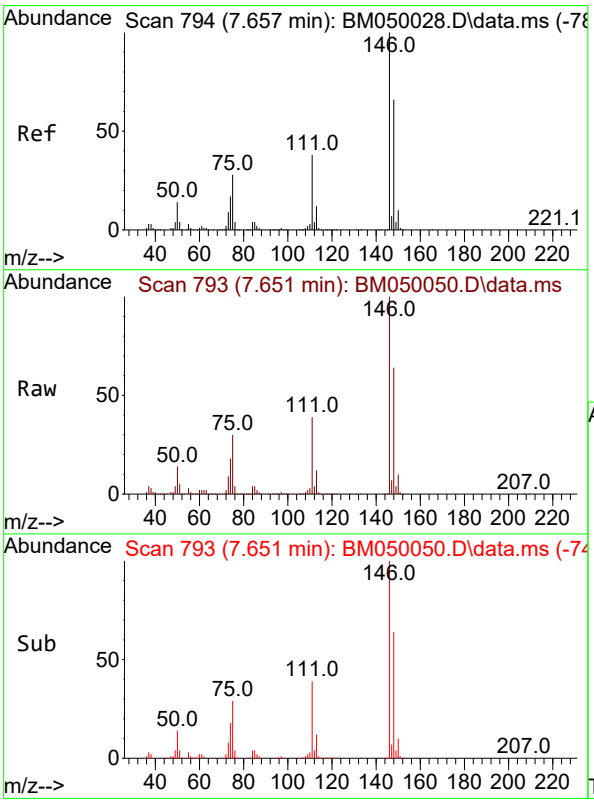
#11
bis(2-Chloroethyl)ether
Concen: 36.121 ng
RT: 7.187 min Scan# 7
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion: 93 Resp: 569946

Ion	Ratio	Lower	Upper
93	100		
63	74.7	52.3	92.3
95	32.9	12.8	52.8

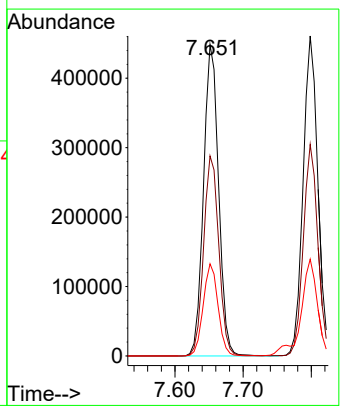


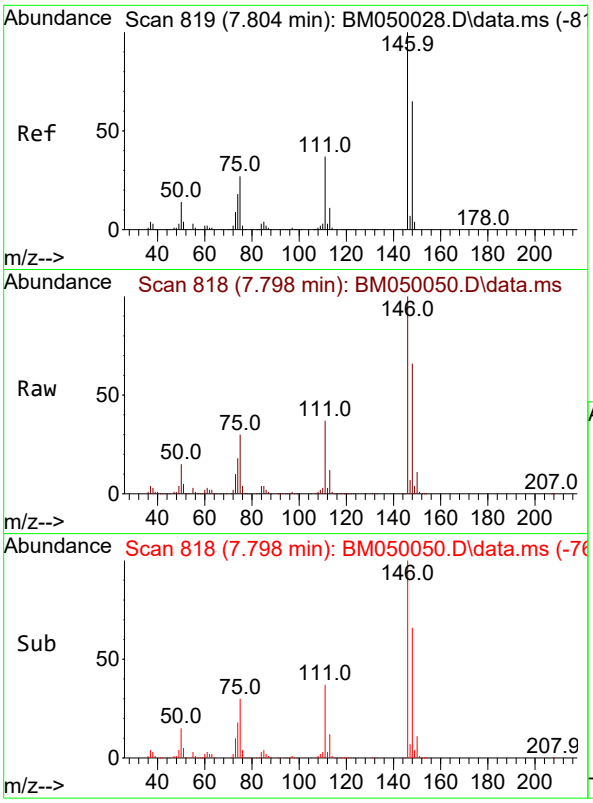


#12
1,3-Dichlorobenzene
Concen: 35.554 ng
RT: 7.651 min Scan# 793
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion:146 Resp: 689621

Ion	Ratio	Lower	Upper
146	100		
148	64.2	52.5	78.7
75	29.6	22.6	34.0



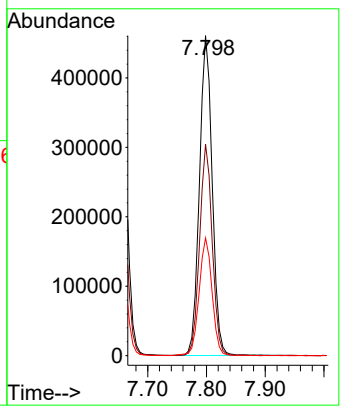


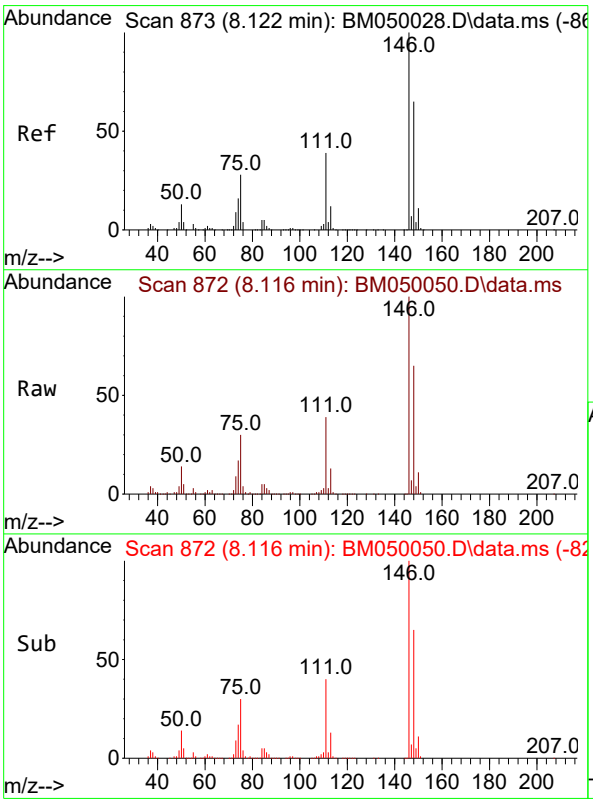
#13
1,4-Dichlorobenzene
Concen: 35.698 ng
RT: 7.798 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion:146 Resp: 695617

Ion	Ratio	Lower	Upper
146	100		
148	66.1	52.2	78.2
111	36.8	29.3	43.9

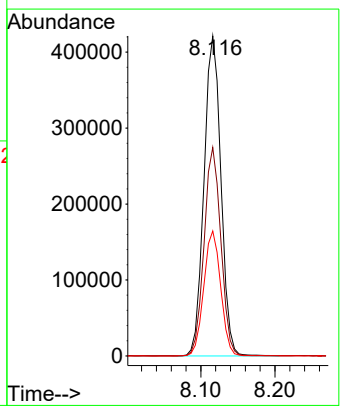


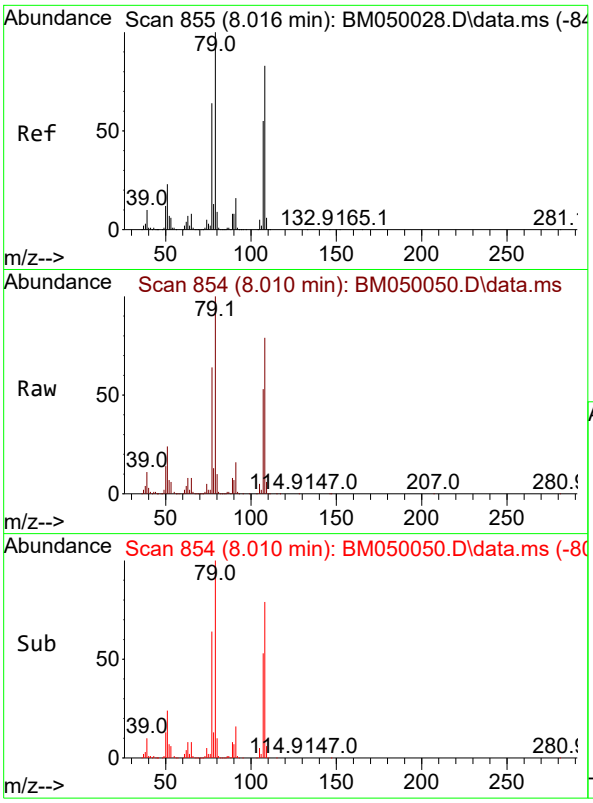


#14
1,2-Dichlorobenzene
Concen: 35.576 ng
RT: 8.116 min Scan# 872
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion:146 Resp: 669650

Ion	Ratio	Lower	Upper
146	100		
148	65.2	52.4	78.6
111	39.1	31.0	46.6



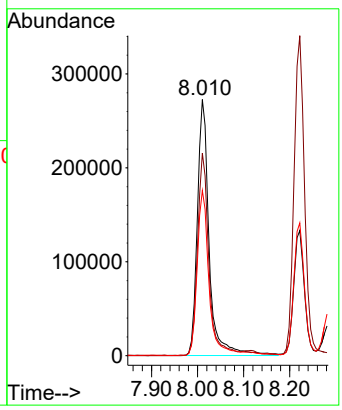


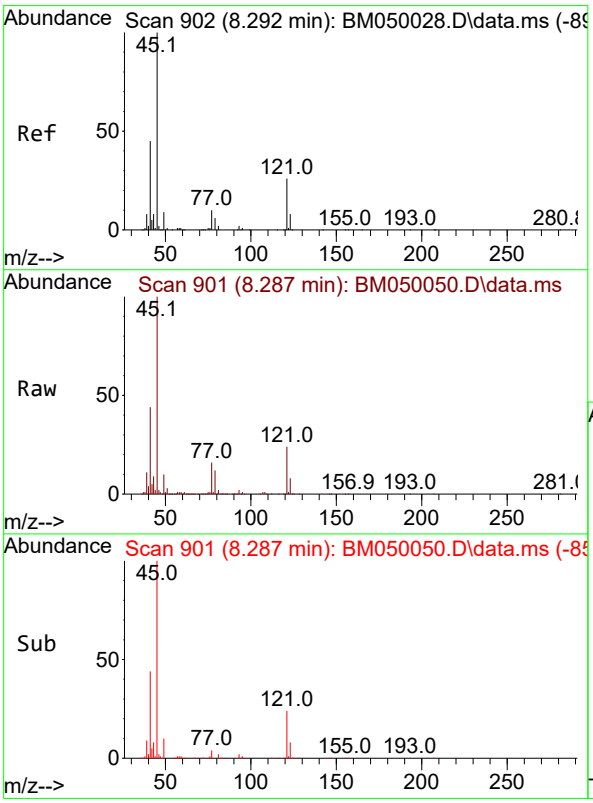
#15
Benzyl Alcohol
Concen: 37.612 ng
RT: 8.010 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion: 79 Resp: 486873

Ion	Ratio	Lower	Upper
79	100		
108	79.1	66.0	99.0
77	64.5	51.6	77.4

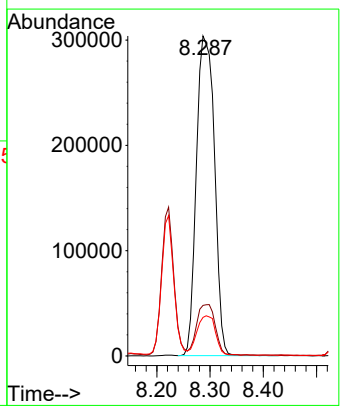


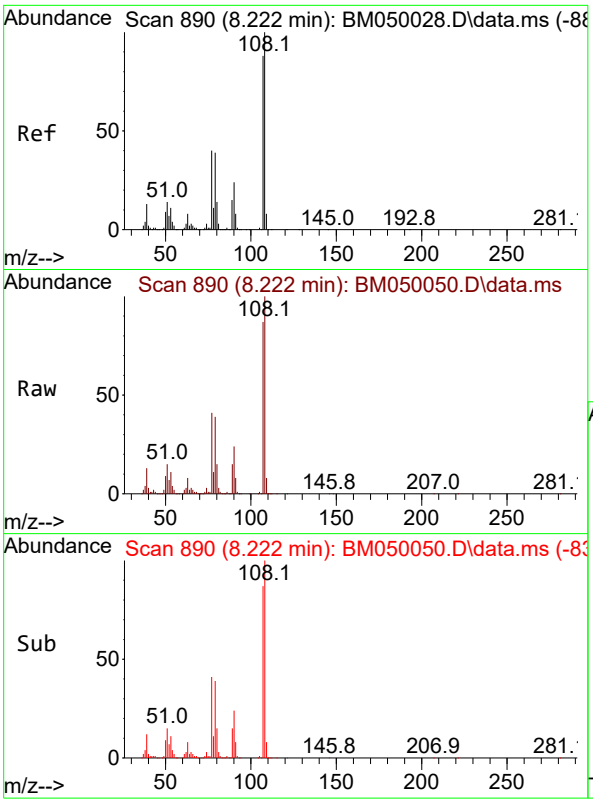


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.350 ng
RT: 8.287 min Scan# 901
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion: 45 Resp: 716370

Ion	Ratio	Lower	Upper
45	100		
77	15.8	0.0	36.4
79	12.1	0.0	32.7



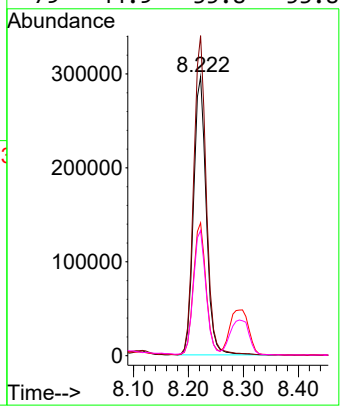


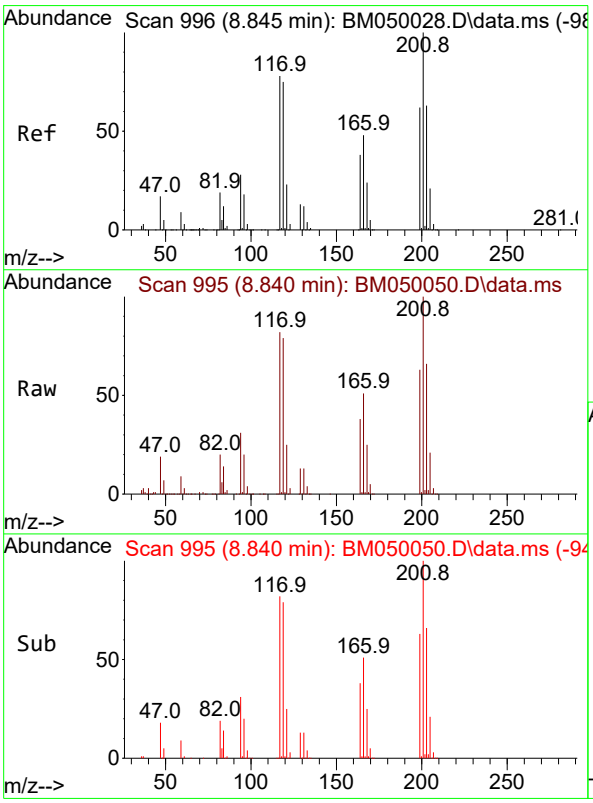
#17
2-Methylphenol
Concen: 38.062 ng
RT: 8.222 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion:107 Resp: 473814

Ion	Ratio	Lower	Upper
107	100		
108	114.7	91.1	136.7
77	47.6	36.2	54.4
79	44.9	35.8	53.8

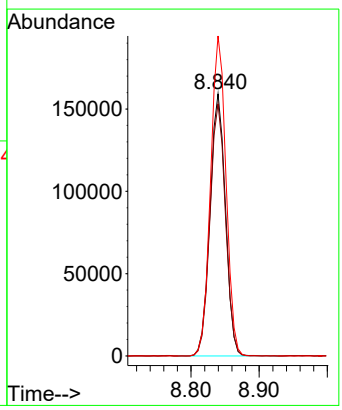


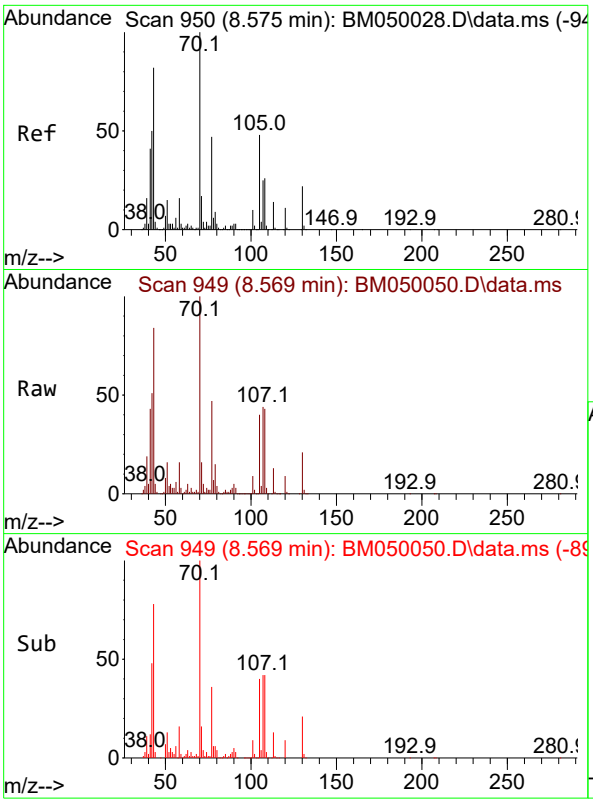


#18
Hexachloroethane
Concen: 36.392 ng
RT: 8.840 min Scan# 995
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion:117 Resp: 252087

Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.3	115.9
201	122.1	102.8	154.2



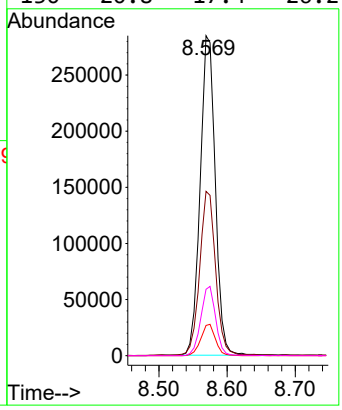


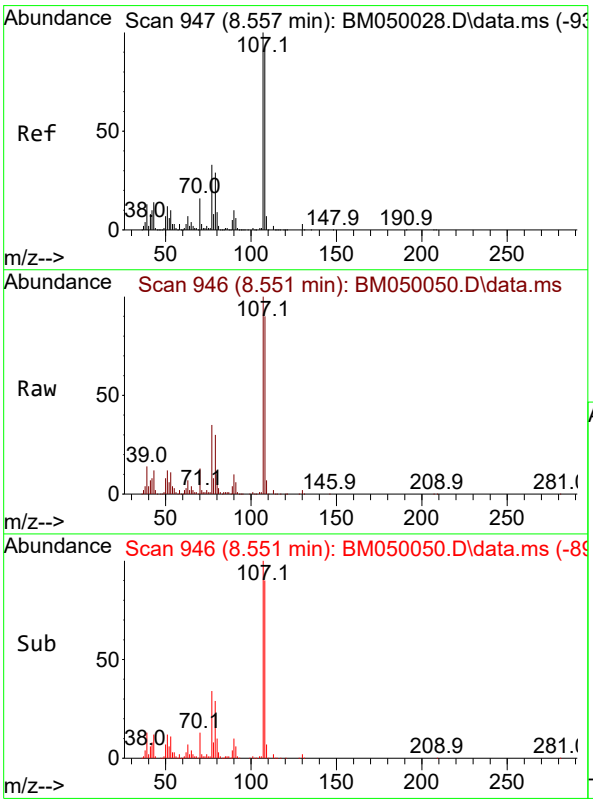
#19
n-Nitroso-di-n-propylamine
Concen: 36.766 ng
RT: 8.569 min Scan# 94
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion: 70 Resp: 440140

Ion	Ratio	Lower	Upper
70	100		
42	51.4	40.5	60.7
101	9.4	7.8	11.6
130	20.8	17.4	26.2

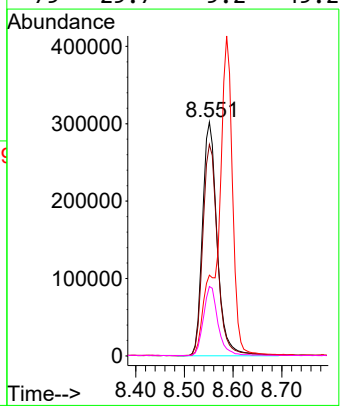


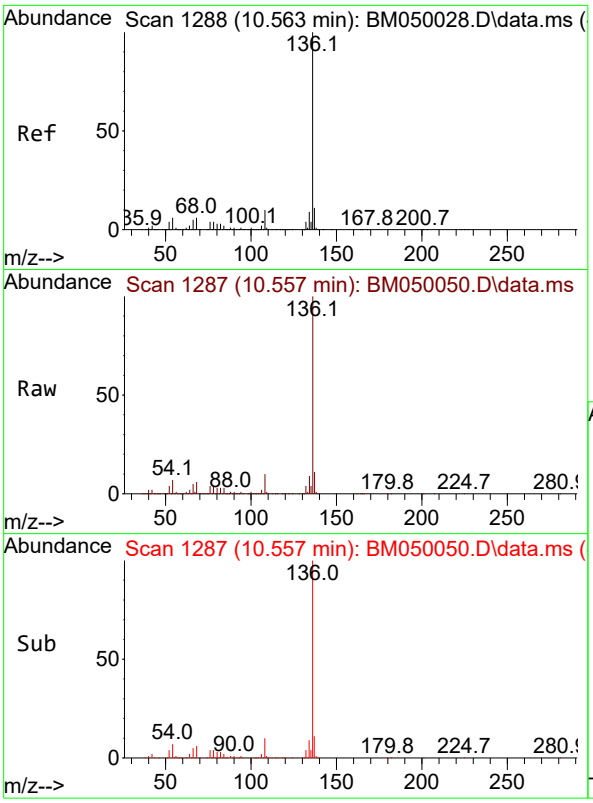


#20
3+4-Methylphenols
Concen: 37.340 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion:107 Resp: 627710

Ion	Ratio	Lower	Upper
107	100		
108	90.5	72.4	112.4
77	34.5	13.6	53.6
79	29.7	9.2	49.2



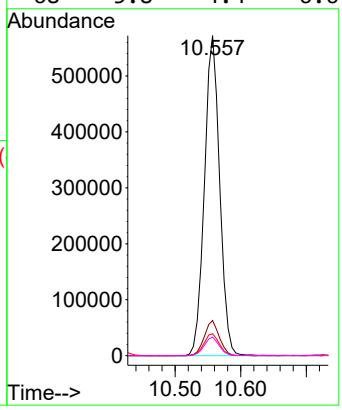


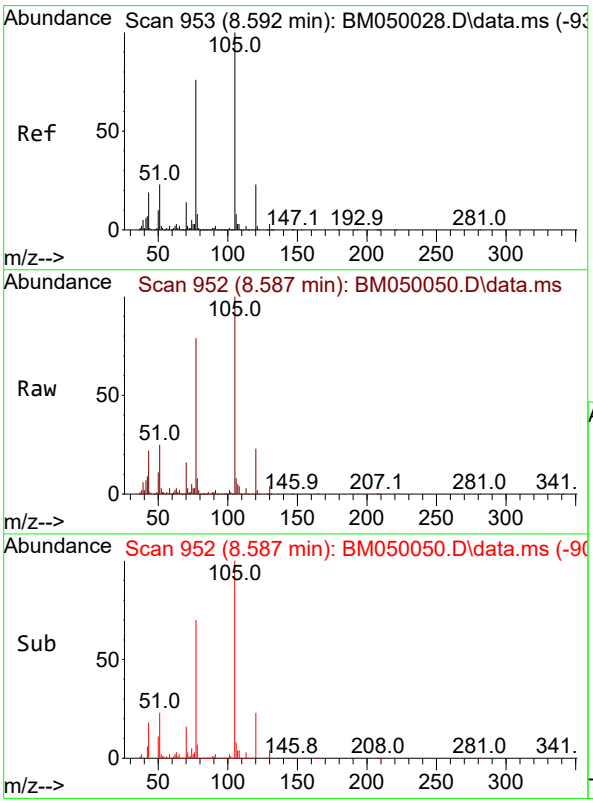
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion:136 Resp: 924881

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	6.8	5.1	7.7
68	5.8	4.4	6.6

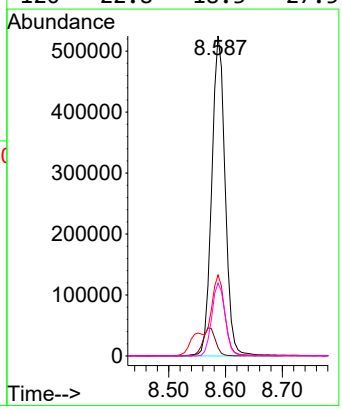


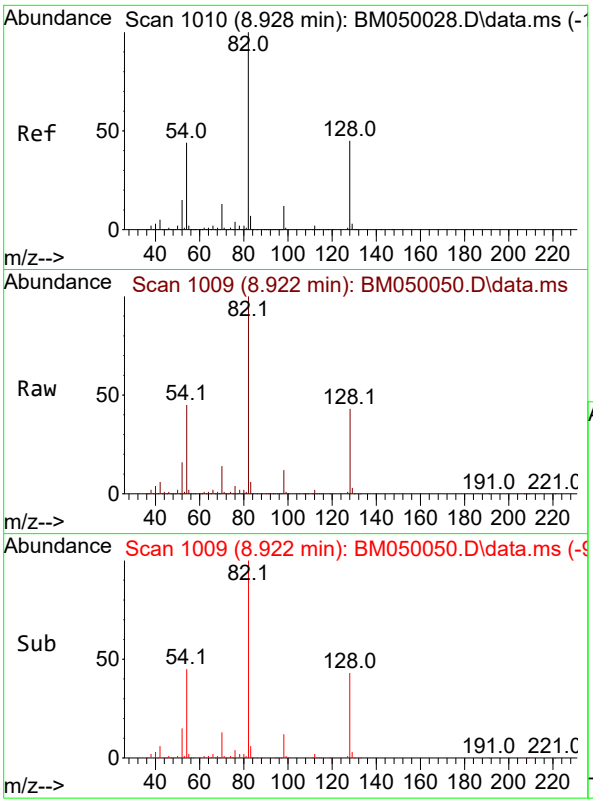


#22
Acetophenone
Concen: 37.324 ng
RT: 8.587 min Scan# 952
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion:105 Resp: 858227

Ion	Ratio	Lower	Upper
105	100		
71	2.6	1.7	2.5#
51	25.3	18.6	27.8
120	22.8	18.3	27.5



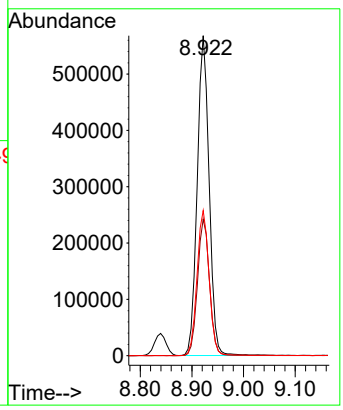


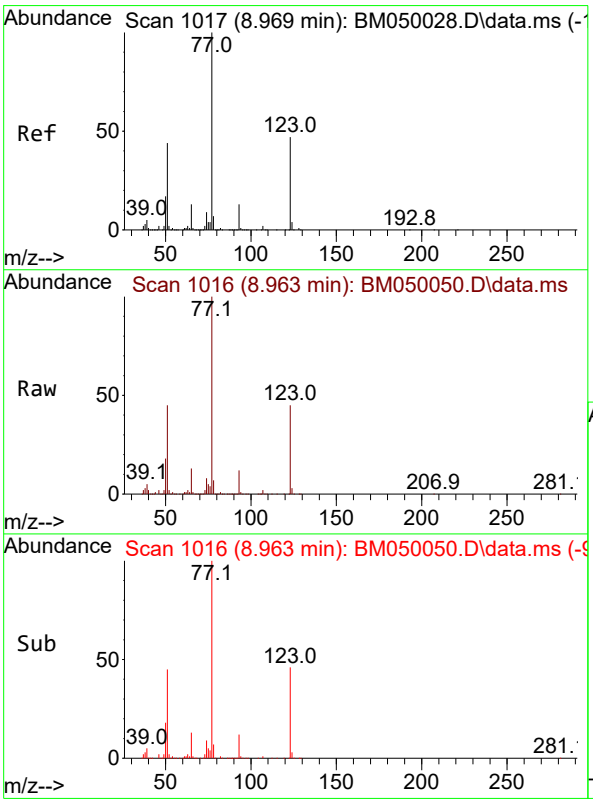
#23
Nitrobenzene-d5
Concen: 48.428 ng
RT: 8.922 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion: 82 Resp: 908964

Ion	Ratio	Lower	Upper
82	100		
128	42.7	35.7	53.5
54	45.4	35.4	53.2

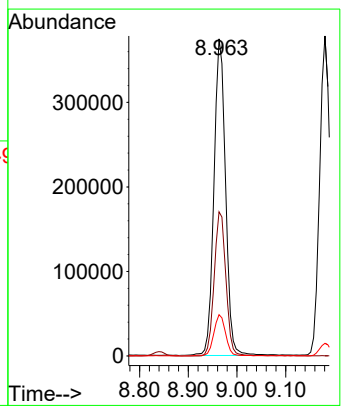


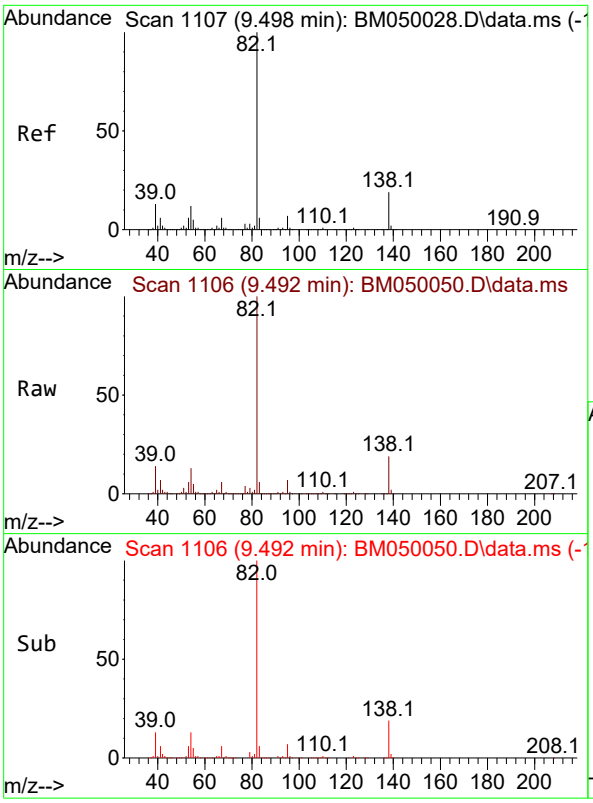


#24
Nitrobenzene
Concen: 38.213 ng
RT: 8.963 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion: 77 Resp: 620157

Ion	Ratio	Lower	Upper
77	100		
123	45.4	37.9	56.9
65	13.0	10.1	15.1



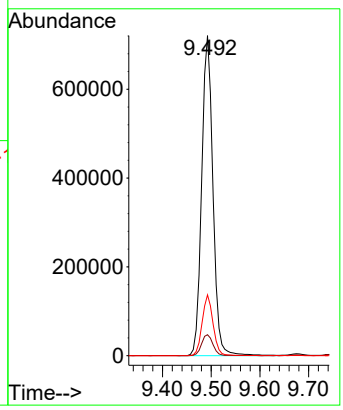


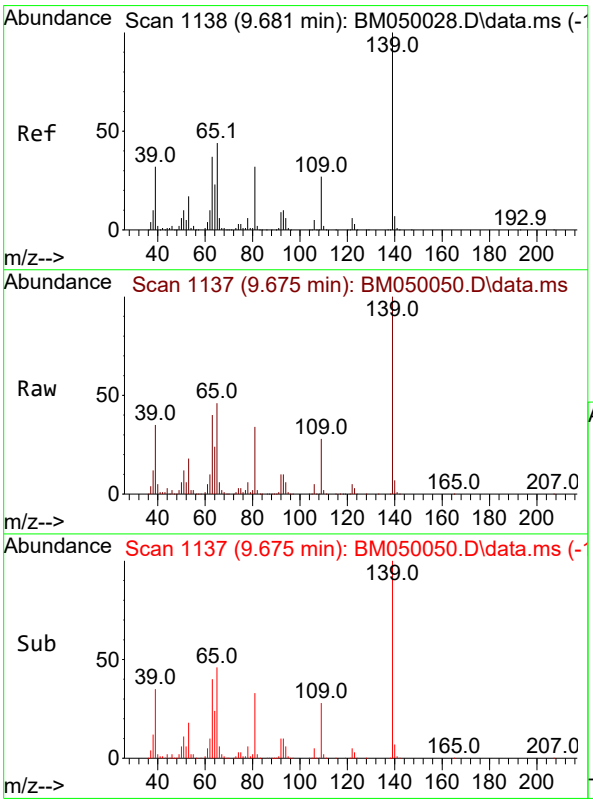
#25
Isophorone
Concen: 36.049 ng
RT: 9.492 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion: 82 Resp: 1153347

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.7	8.5
138	19.0	15.5	23.3

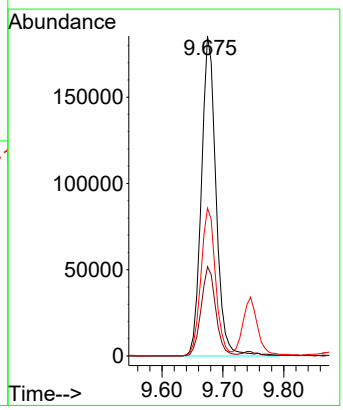


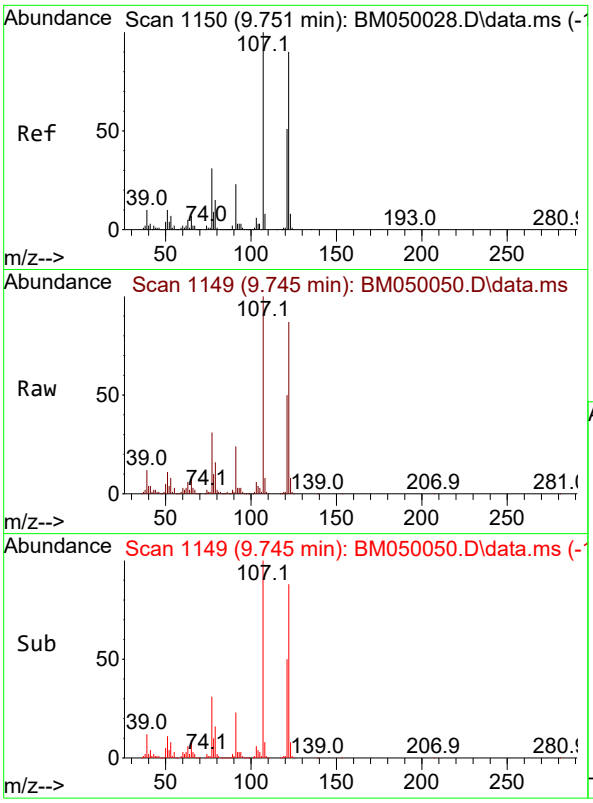


#26
2-Nitrophenol
Concen: 37.391 ng
RT: 9.675 min Scan# 1137
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion:139 Resp: 310010

Ion	Ratio	Lower	Upper
139	100		
109	27.9	21.9	32.9
65	46.2	35.4	53.2



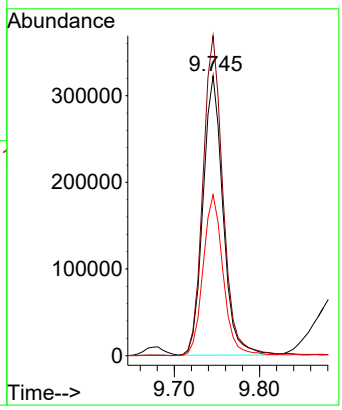


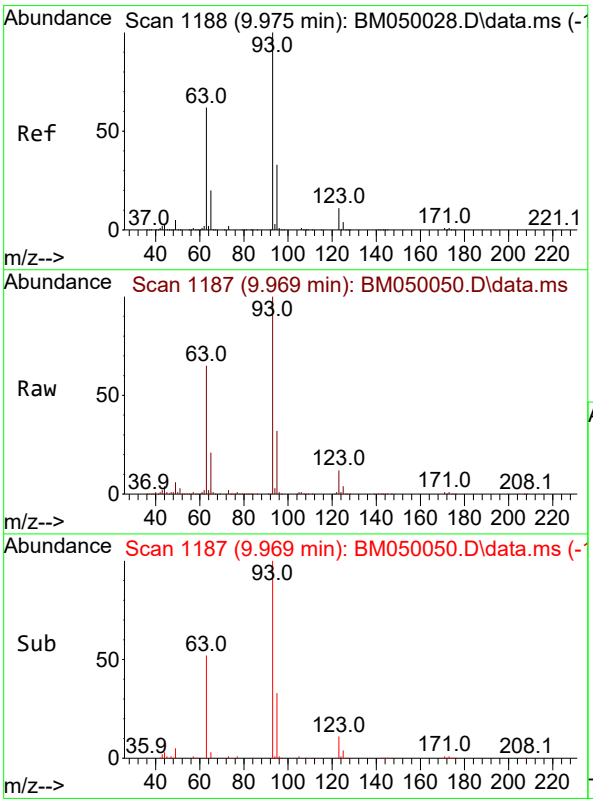
#27
2,4-Dimethylphenol
Concen: 38.246 ng
RT: 9.745 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion:122 Resp: 525861

Ion	Ratio	Lower	Upper
122	100		
107	114.3	89.0	133.6
121	57.5	45.6	68.4

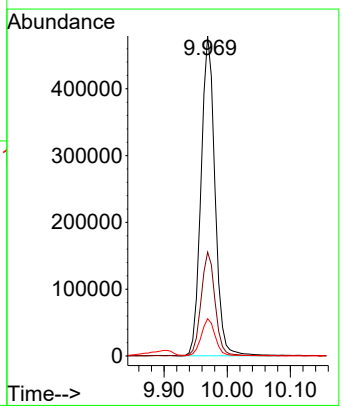


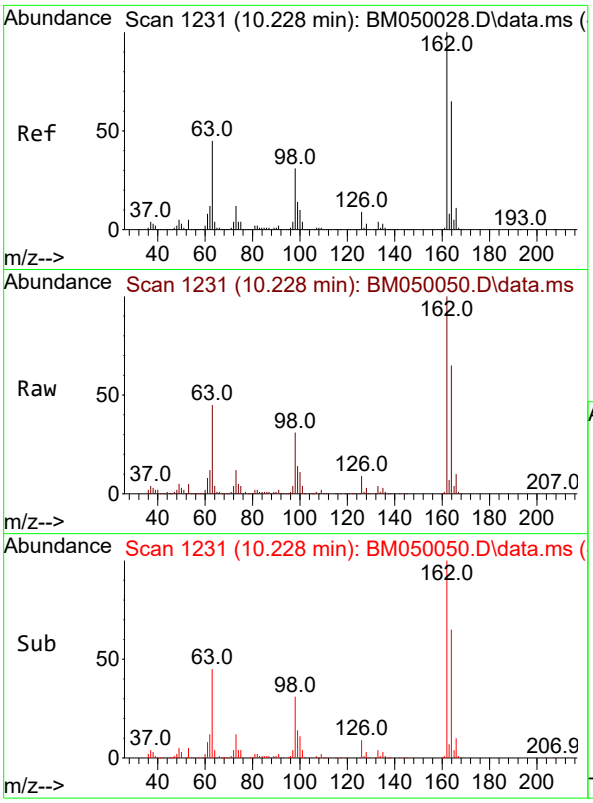


#28
bis(2-Chloroethoxy)methane
Concen: 37.203 ng
RT: 9.969 min Scan# 1187
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion: 93 Resp: 735675

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.1	39.1
123	11.6	9.5	14.3



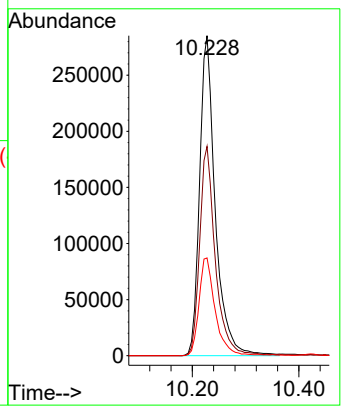


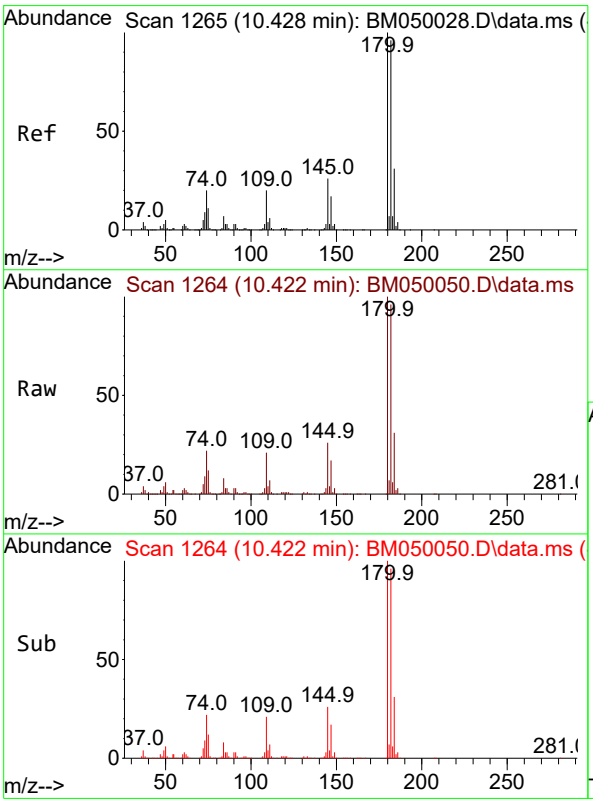
#29
2,4-Dichlorophenol
Concen: 37.813 ng
RT: 10.228 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion:162 Resp: 582452

Ion	Ratio	Lower	Upper
162	100		
164	65.4	45.4	85.4
98	30.6	11.3	51.3

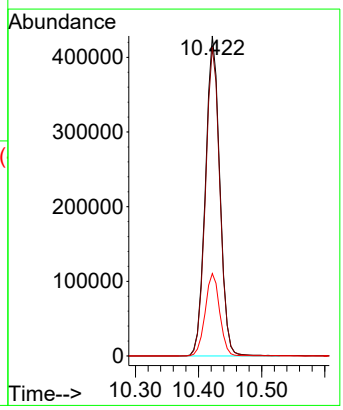


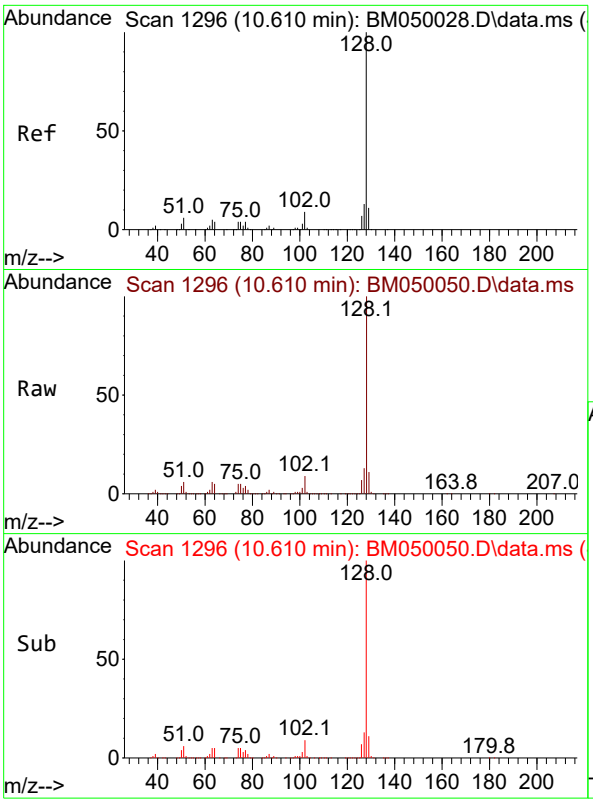


#30
1,2,4-Trichlorobenzene
Concen: 36.208 ng
RT: 10.422 min Scan# 1264
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion:180 Resp: 679512

Ion	Ratio	Lower	Upper
180	100		
182	96.4	77.0	115.4
145	25.8	20.6	30.8



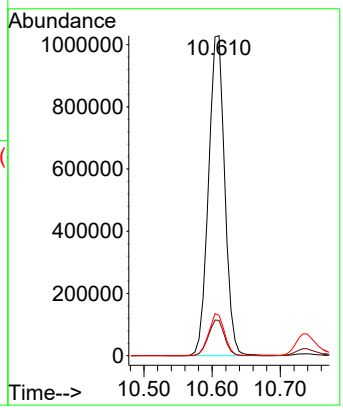


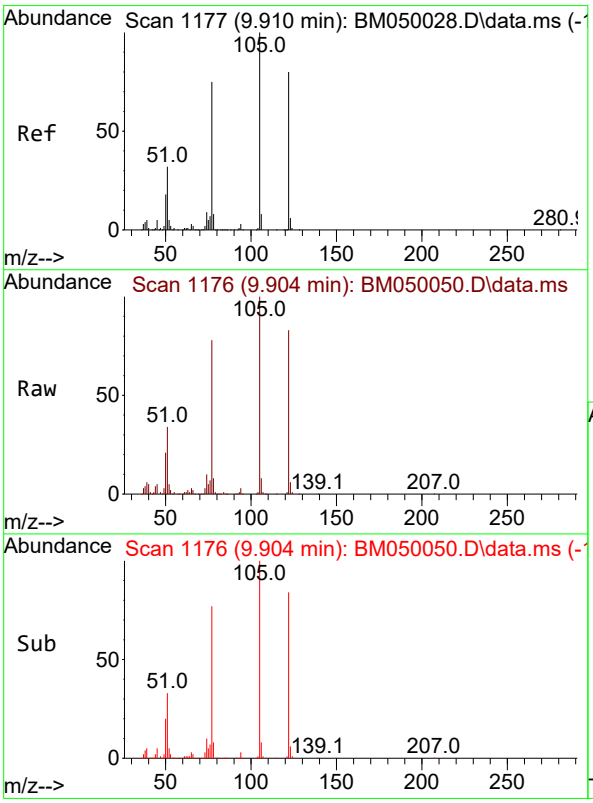
#31
Naphthalene
Concen: 36.410 ng
RT: 10.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion:128 Resp: 1705377

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	12.6	10.4	15.6

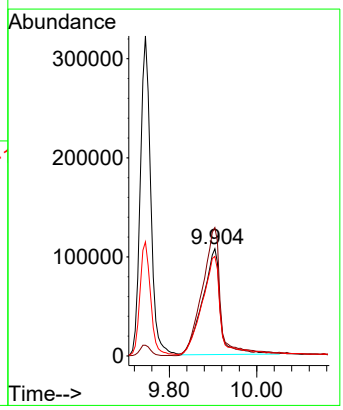


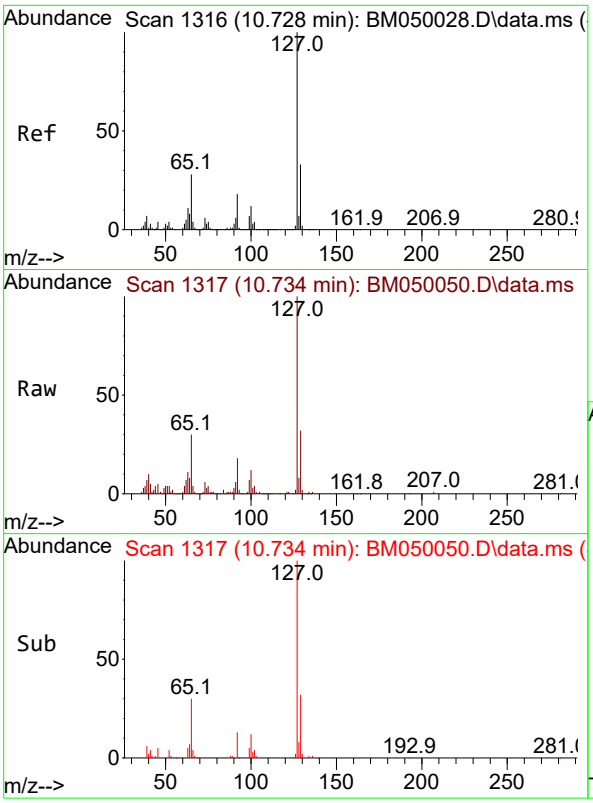


#32
Benzoic acid
Concen: 34.788 ng
RT: 9.904 min Scan# 1176
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion:122 Resp: 305918

Ion	Ratio	Lower	Upper
122	100		
105	119.8	103.6	143.6
77	92.9	73.7	113.7



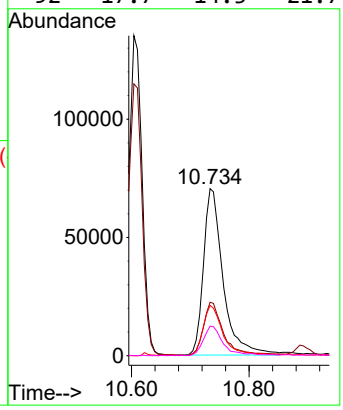


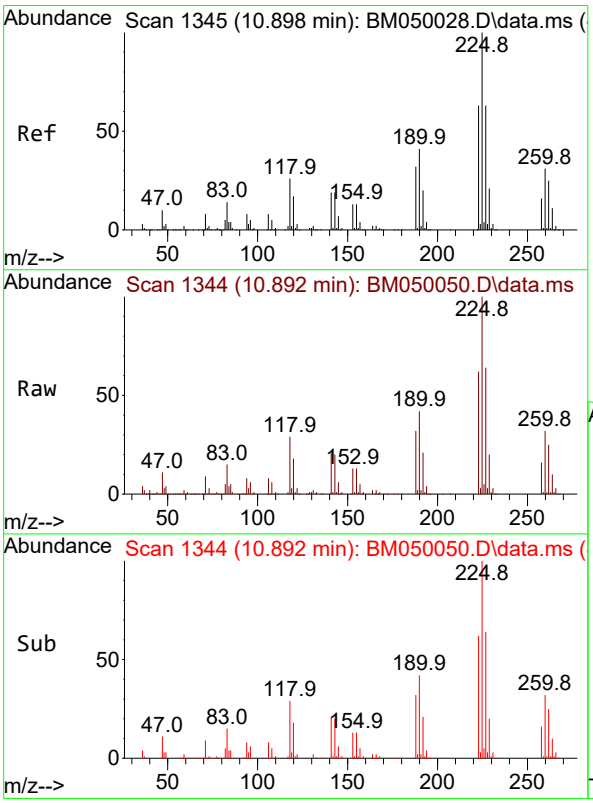
#33
4-Chloroaniline
Concen: 8.519 ng
RT: 10.734 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion:127 Resp: 163553

Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.3	39.5
65	30.0	22.5	33.7
92	17.7	14.5	21.7

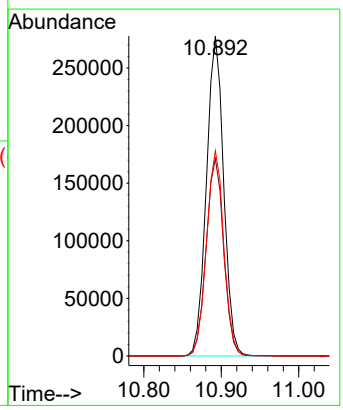


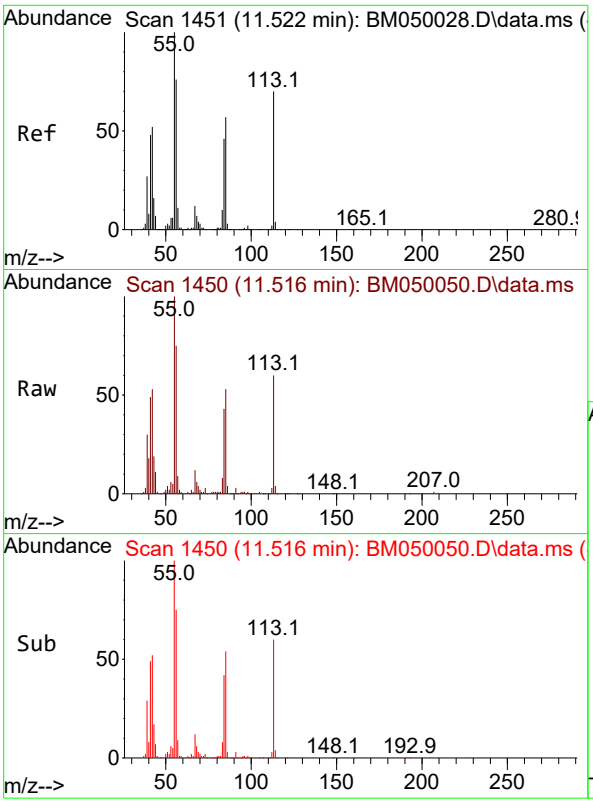


#34
Hexachlorobutadiene
Concen: 35.977 ng
RT: 10.892 min Scan# 1344
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion:225 Resp: 428582

Ion	Ratio	Lower	Upper
225	100		
223	61.7	50.2	75.2
227	64.1	50.6	76.0



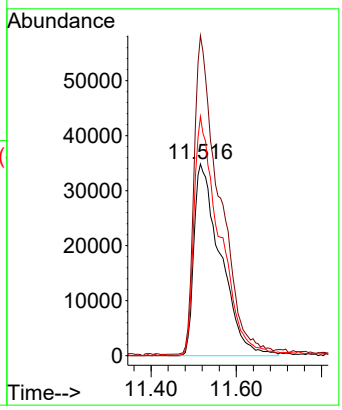


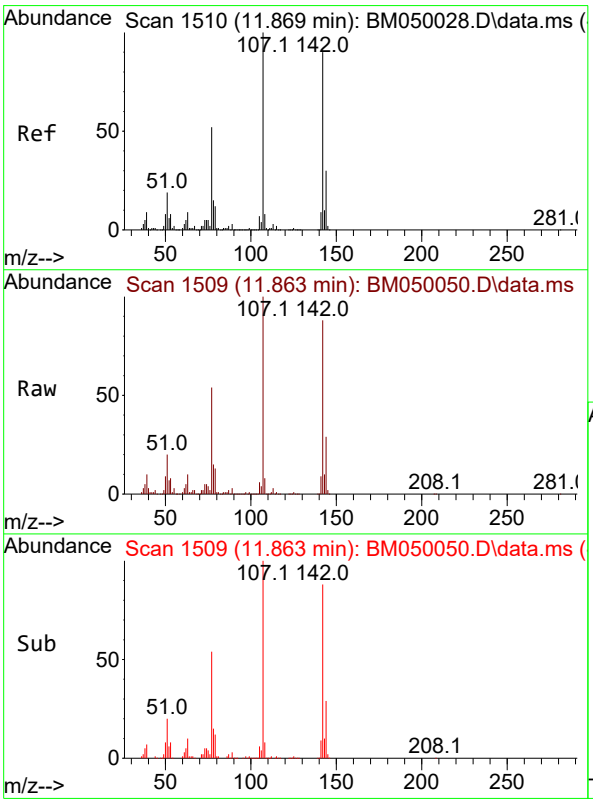
#35
Caprolactam
Concen: 33.463 ng
RT: 11.516 min Scan# 14
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion:113 Resp: 150290

Ion	Ratio	Lower	Upper
113	100		
55	167.0	122.9	162.9#
56	124.8	88.1	128.1

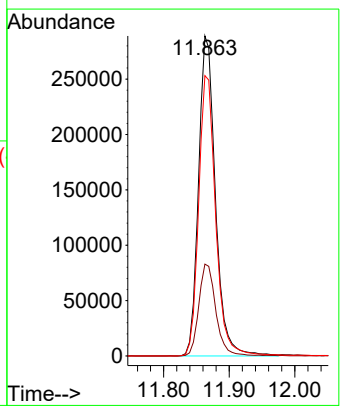


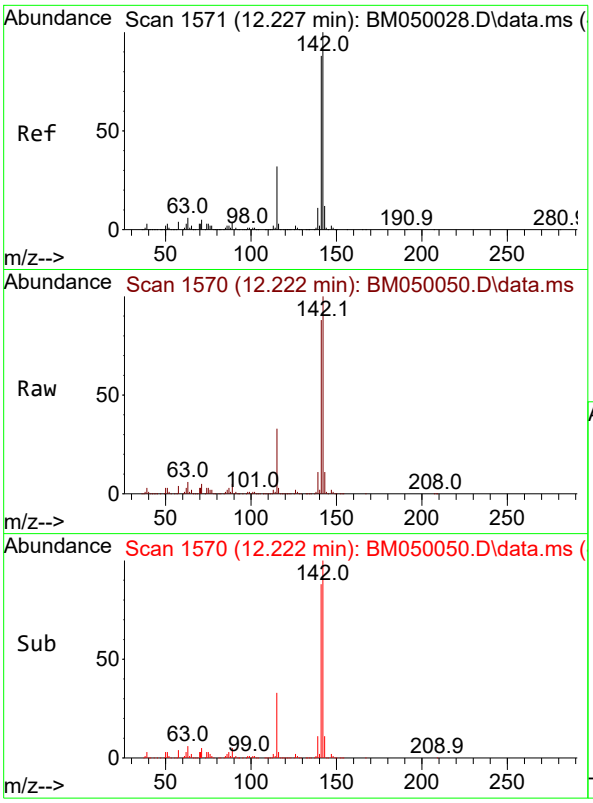


#36
4-Chloro-3-methylphenol
Concen: 36.432 ng
RT: 11.863 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion:107 Resp: 518459

Ion	Ratio	Lower	Upper
107	100		
144	28.7	23.8	35.6
142	87.6	71.9	107.9



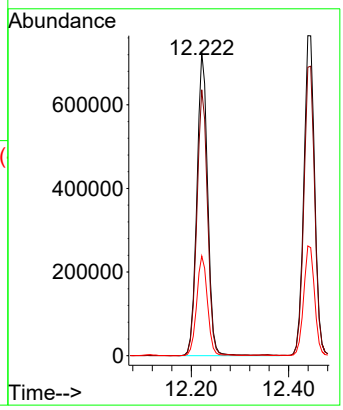


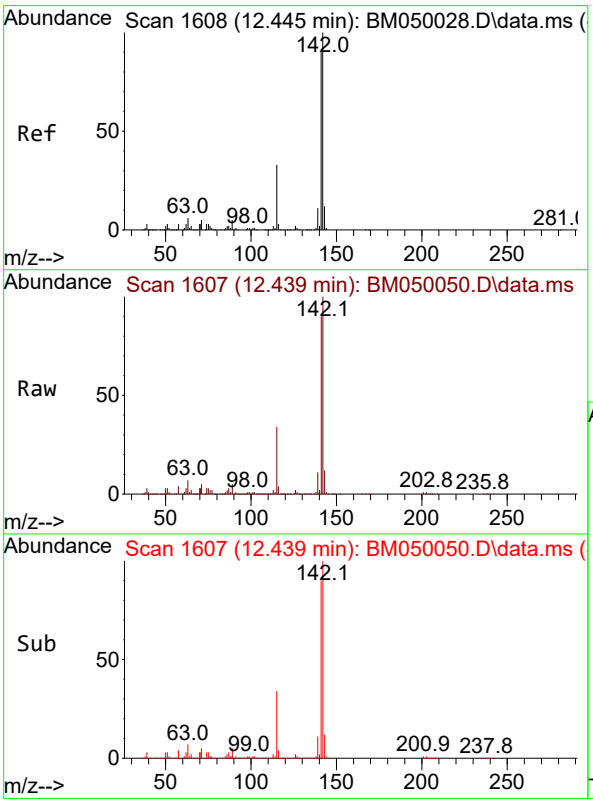
#37
2-Methylnaphthalene
Concen: 35.696 ng
RT: 12.222 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion:142 Resp: 1120965

Ion	Ratio	Lower	Upper
142	100		
141	87.7	70.4	105.6
115	32.9	25.4	38.2

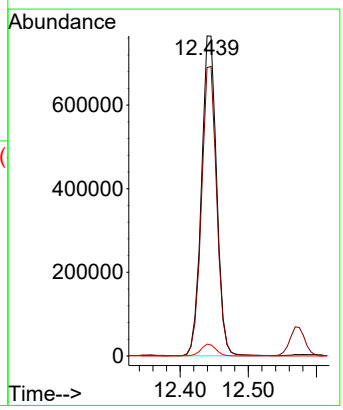


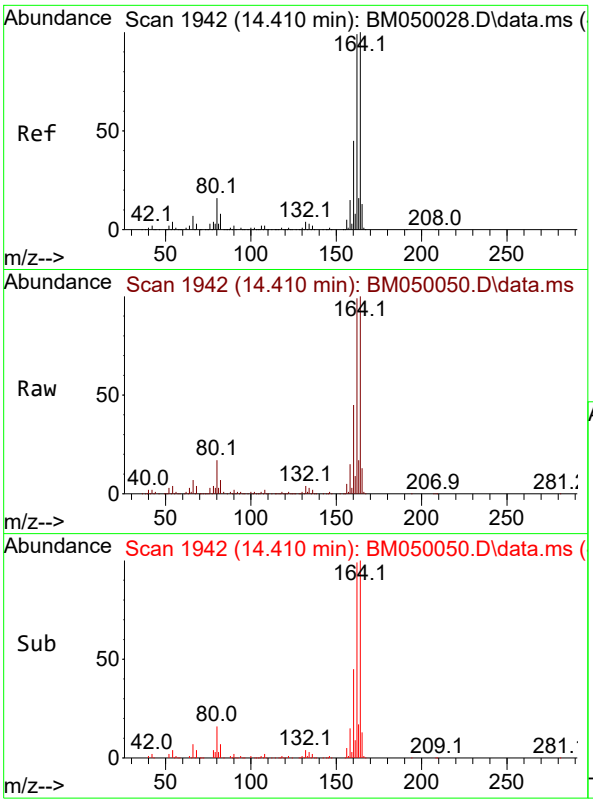


#38
1-Methylnaphthalene
Concen: 35.590 ng
RT: 12.439 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion:142 Resp: 1182761

Ion	Ratio	Lower	Upper
142	100		
141	90.2	72.1	108.1
116	3.7	2.7	4.1



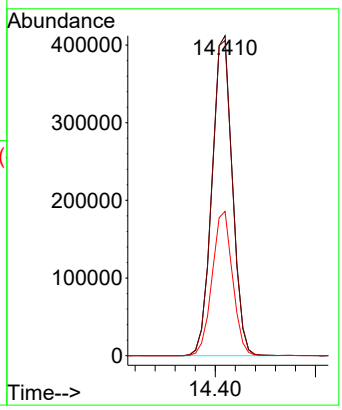


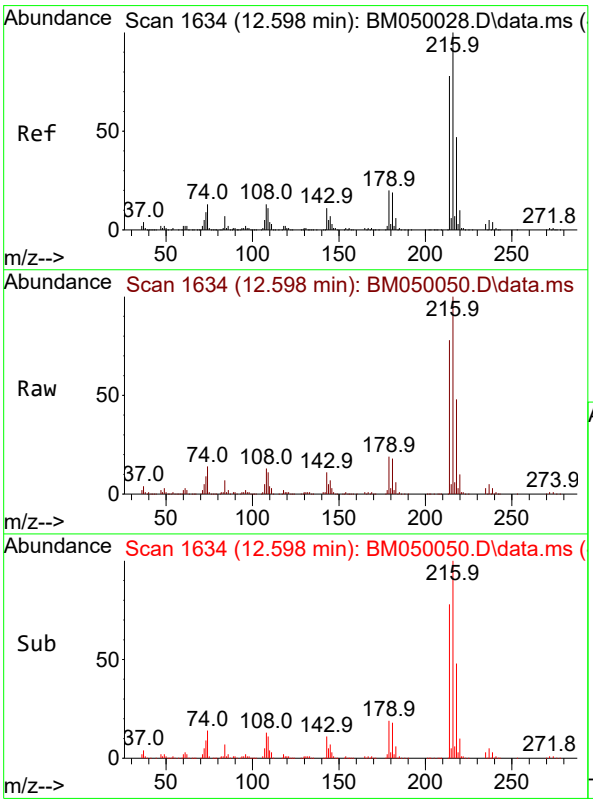
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion:164 Resp: 580714

Ion	Ratio	Lower	Upper
164	100		
162	98.5	79.4	119.0
160	45.1	36.2	54.4

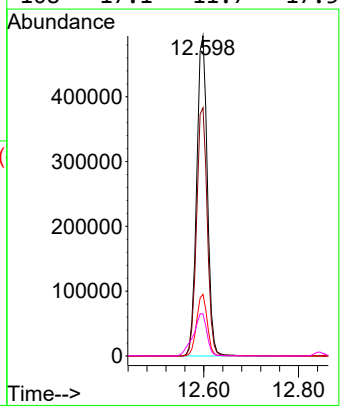


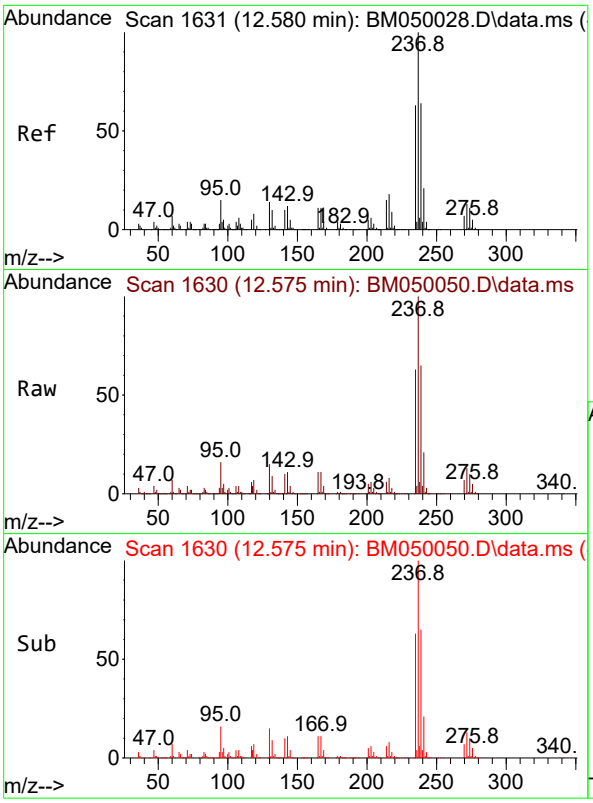


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.308 ng
RT: 12.598 min Scan# 1634
Delta R.T. 0.000 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion:216 Resp: 770104

Ion	Ratio	Lower	Upper
216	100		
214	77.9	62.3	93.5
179	19.3	15.4	23.0
108	17.1	11.7	17.5



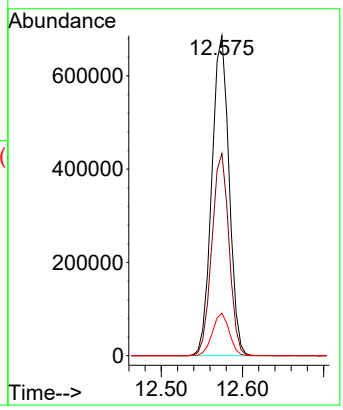


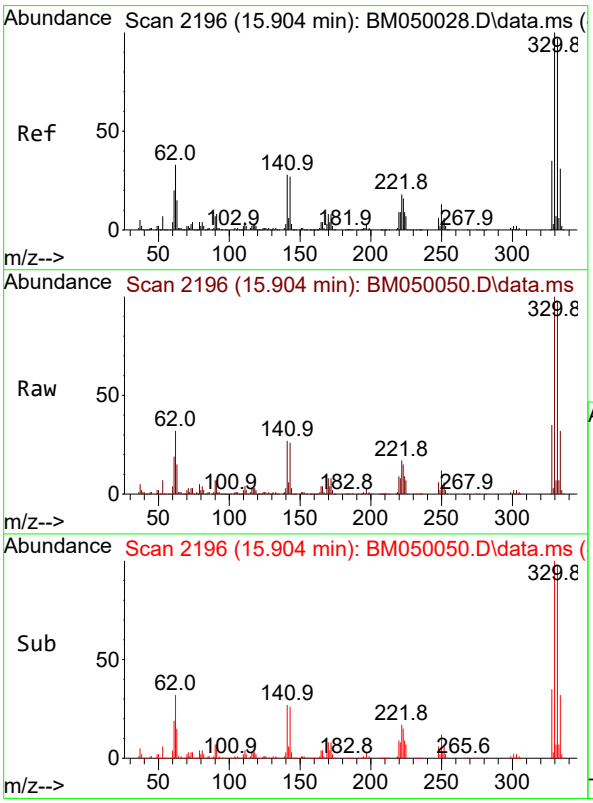
#41
Hexachlorocyclopentadiene
Concen: 82.486 ng
RT: 12.575 min Scan# 1
Delta R.T. -0.005 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion:237 Resp: 1013360

Ion	Ratio	Lower	Upper
237	100		
235	63.2	42.9	82.9
272	13.3	0.0	32.9

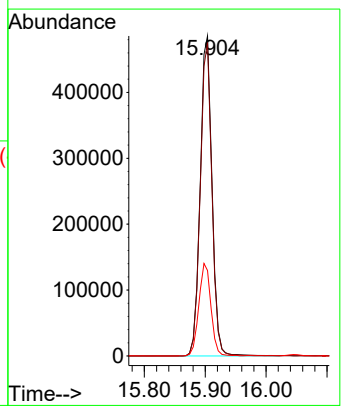


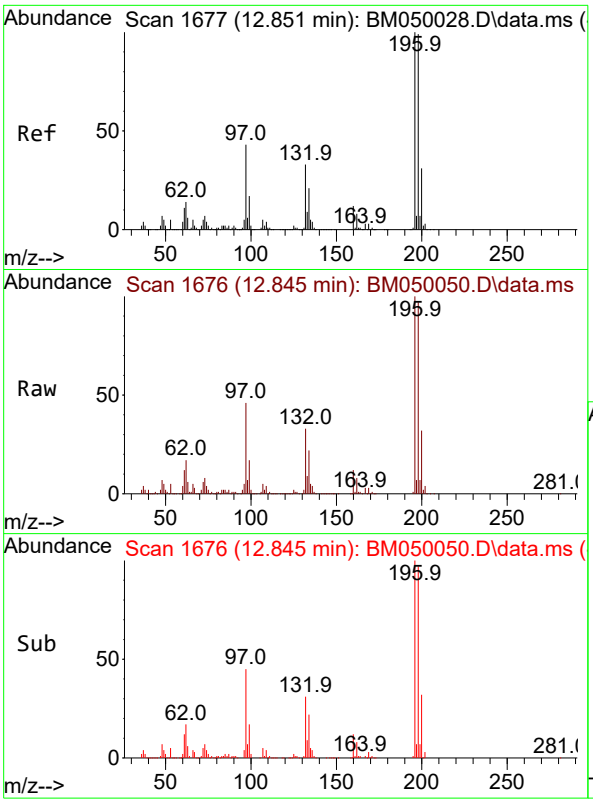


#42
2,4,6-Tribromophenol
Concen: 76.028 ng
RT: 15.904 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion:330 Resp: 652828

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.3	115.9
141	29.7	22.5	33.7



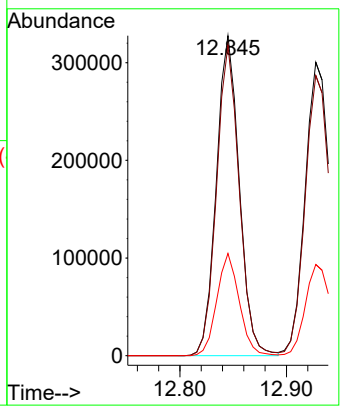


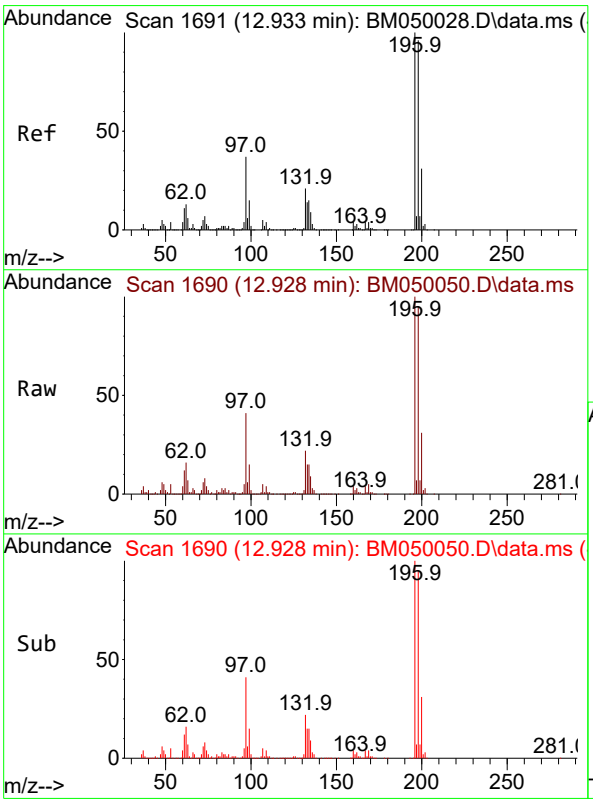
#43
2,4,6-Trichlorophenol
Concen: 38.428 ng
RT: 12.845 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion:196 Resp: 489977

Ion	Ratio	Lower	Upper
196	100		
198	97.0	79.0	118.6
200	32.0	25.1	37.7

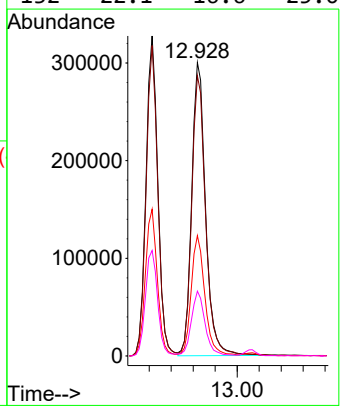


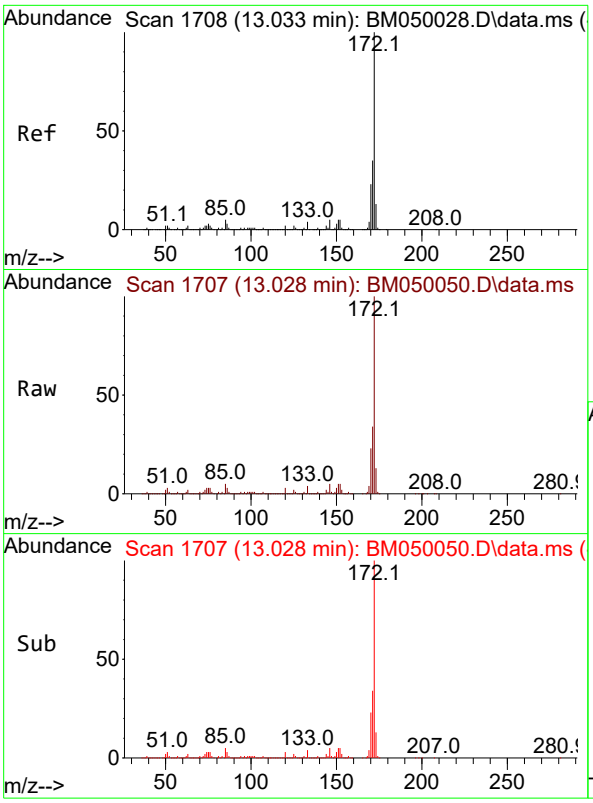


#44
2,4,5-Trichlorophenol
Concen: 38.292 ng
RT: 12.928 min Scan# 1690
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion:196 Resp: 526488

Ion	Ratio	Lower	Upper
196	100		
198	95.5	76.7	115.1
97	41.0	30.1	45.1
132	22.1	16.6	25.0



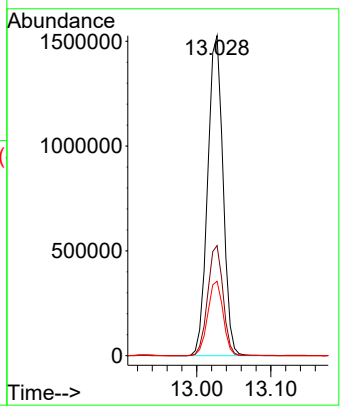


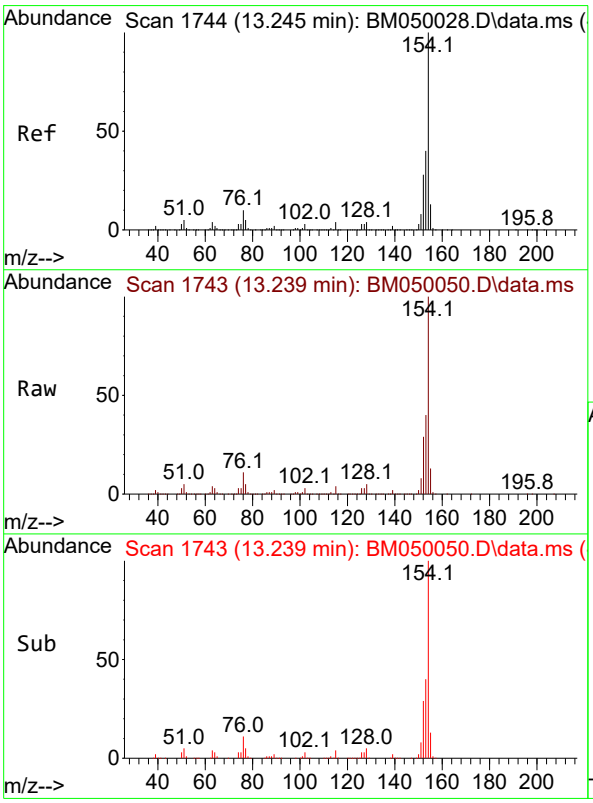
#45
2-Fluorobiphenyl
Concen: 44.655 ng
RT: 13.028 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion:172 Resp: 2192086

Ion	Ratio	Lower	Upper
172	100		
171	34.4	27.8	41.6
170	23.3	18.6	28.0

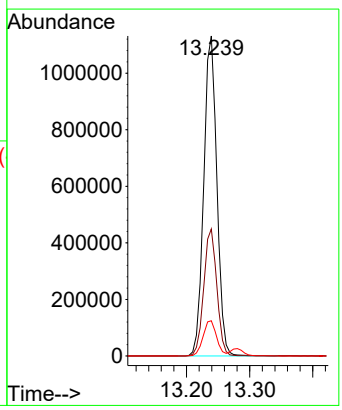


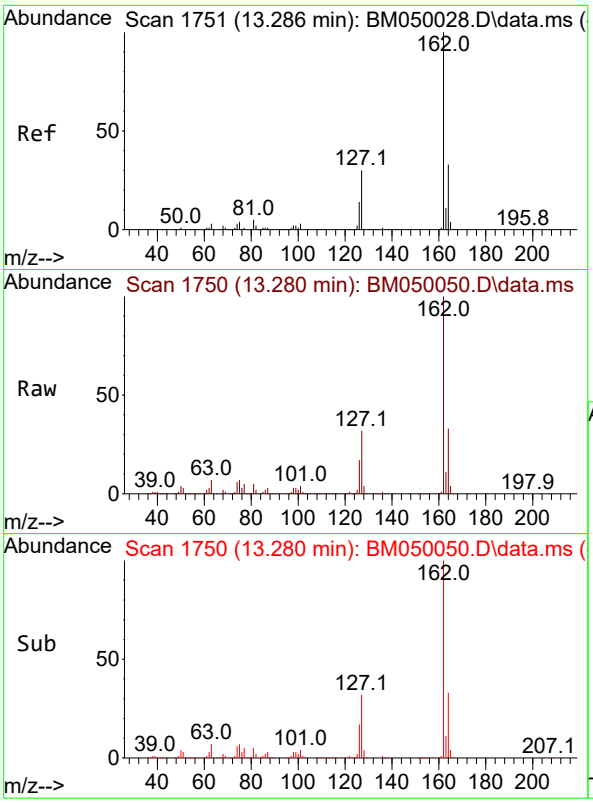


#46
1,1'-Biphenyl
Concen: 37.755 ng
RT: 13.239 min Scan# 1743
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion:154 Resp: 1629799

Ion	Ratio	Lower	Upper
154	100		
153	39.7	20.0	60.0
76	11.0	0.0	30.3



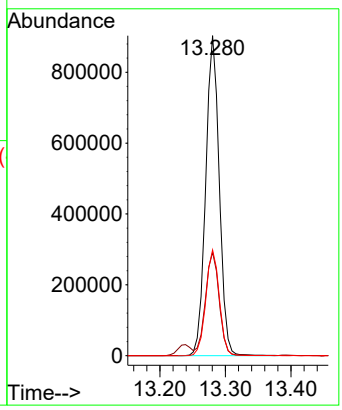


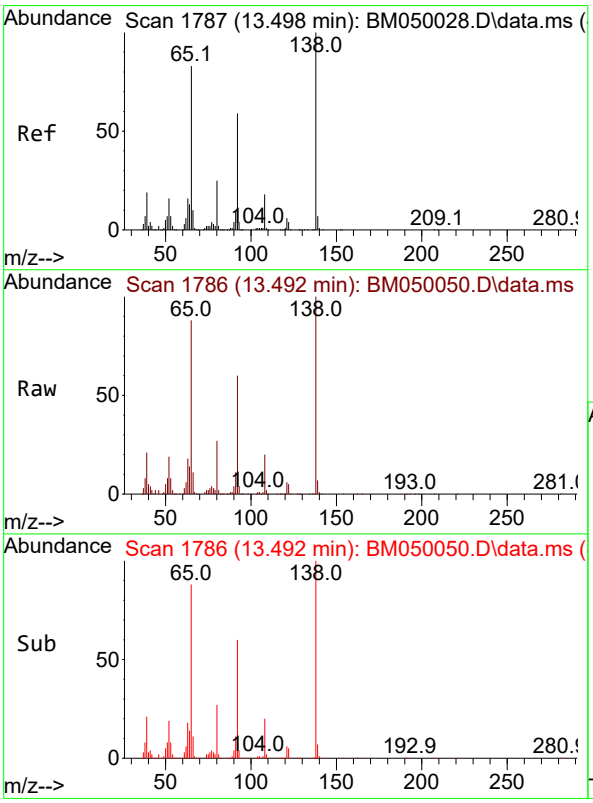
#47
2-Chloronaphthalene
Concen: 38.087 ng
RT: 13.280 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion:162 Resp: 1302160

Ion	Ratio	Lower	Upper
162	100		
127	32.3	25.9	38.9
164	33.0	26.6	40.0

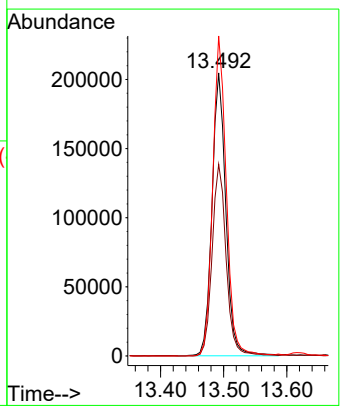


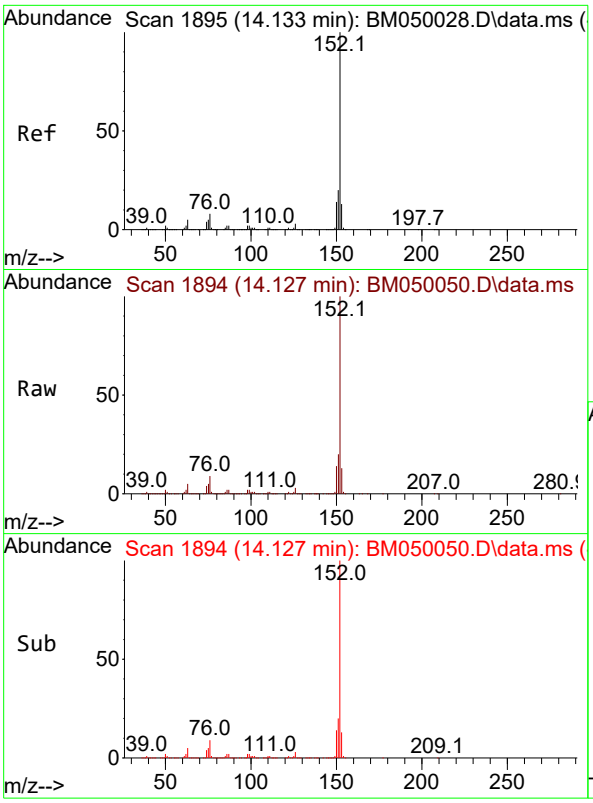


#48
2-Nitroaniline
Concen: 38.748 ng
RT: 13.492 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion: 65 Resp: 310914

Ion	Ratio	Lower	Upper
65	100		
92	67.7	57.1	85.7
138	113.1	97.0	145.4



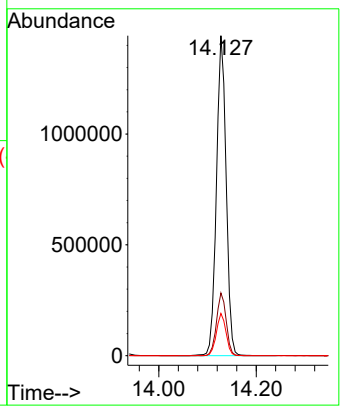


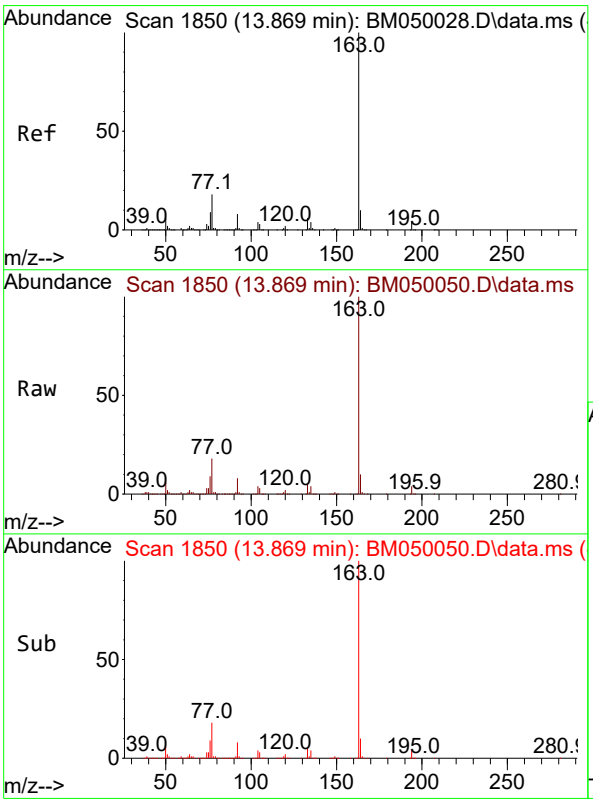
#49
Acenaphthylene
Concen: 37.072 ng
RT: 14.127 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion:152 Resp: 1998341

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.8
153	13.2	10.6	15.8

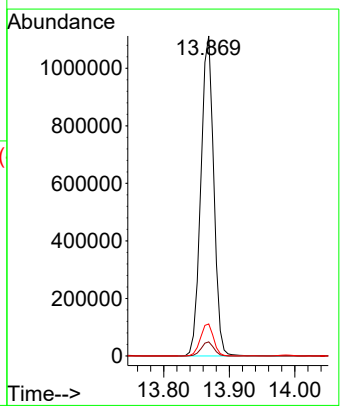


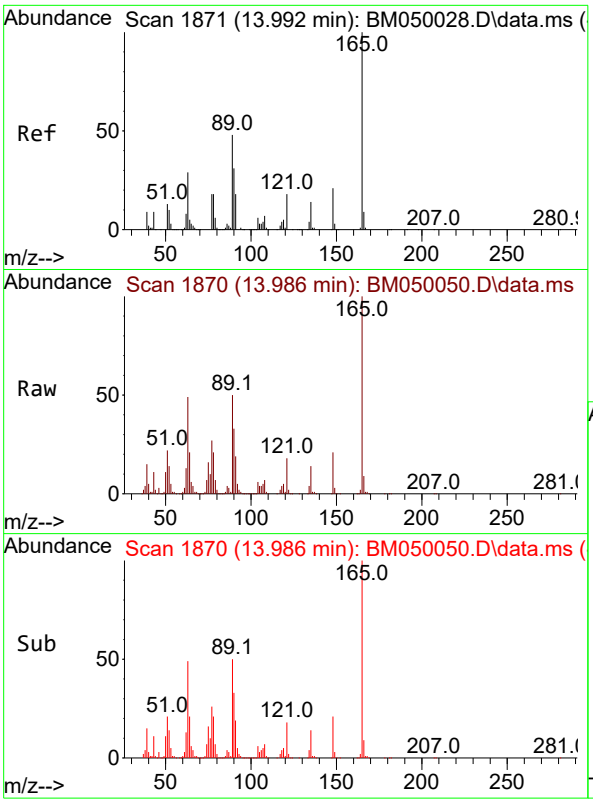


#50
Dimethylphthalate
Concen: 35.937 ng
RT: 13.869 min Scan# 1850
Delta R.T. 0.000 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion:163 Resp: 1525141

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	10.0	8.2	12.2



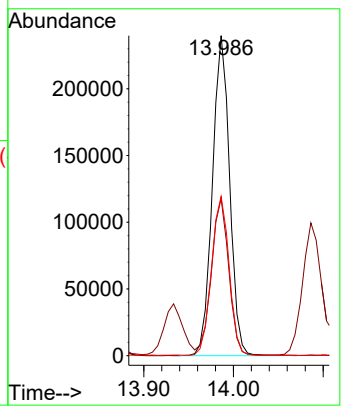


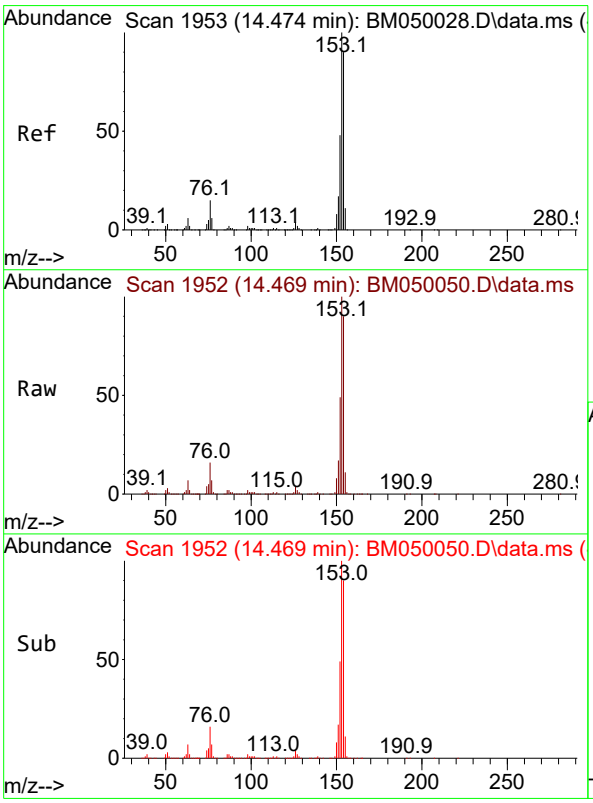
#51
2,6-Dinitrotoluene
Concen: 36.346 ng
RT: 13.986 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion:165 Resp: 319365

Ion	Ratio	Lower	Upper
165	100		
63	49.1	35.1	52.7
89	49.8	38.4	57.6

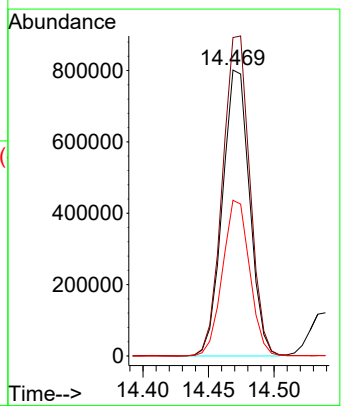


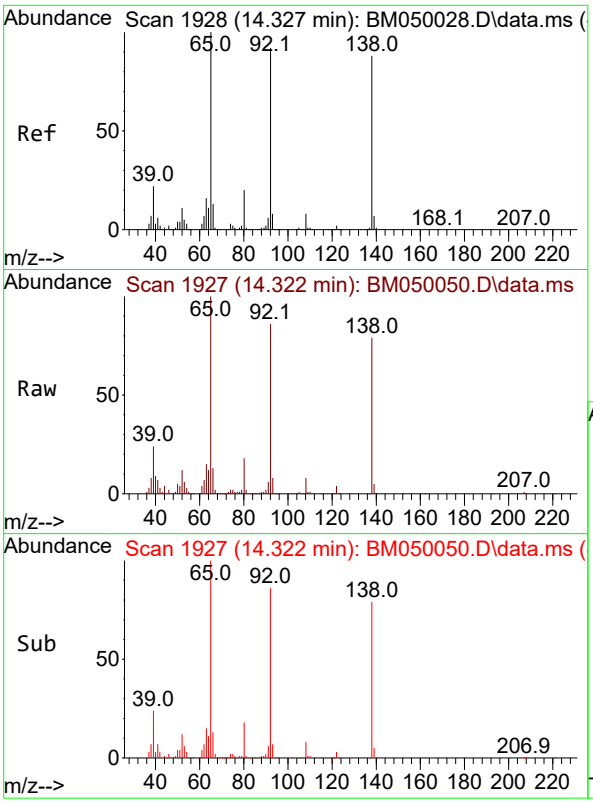


#52
Acenaphthene
Concen: 36.932 ng
RT: 14.469 min Scan# 1952
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion:154 Resp: 1152348

Ion	Ratio	Lower	Upper
154	100		
153	111.3	89.0	133.4
152	54.4	43.0	64.6



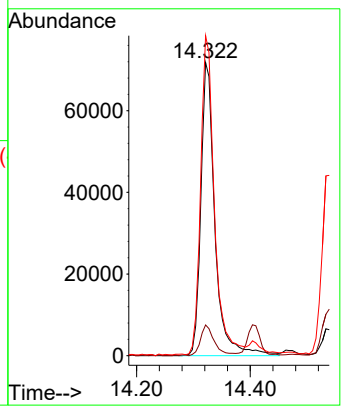


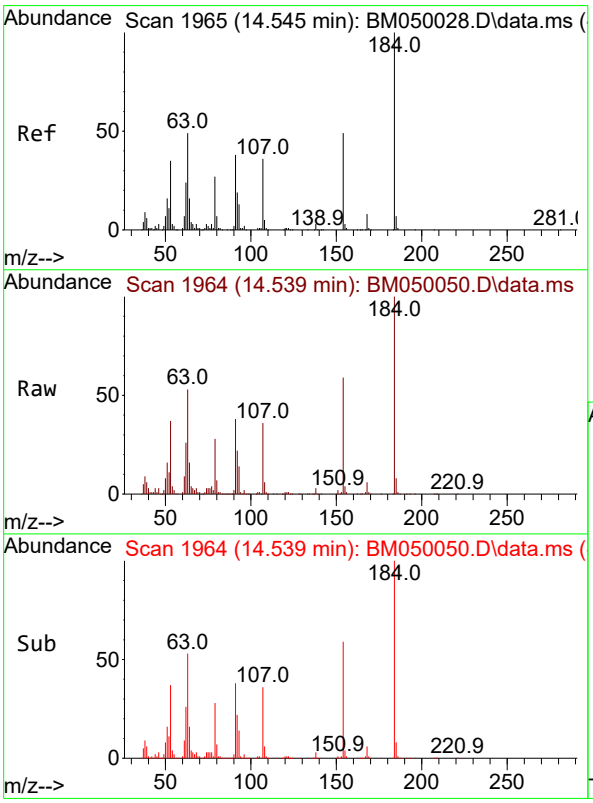
#53
3-Nitroaniline
Concen: 14.722 ng
RT: 14.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion:138 Resp: 123502

Ion	Ratio	Lower	Upper
138	100		
108	10.5	7.4	11.2
92	109.2	84.0	126.0

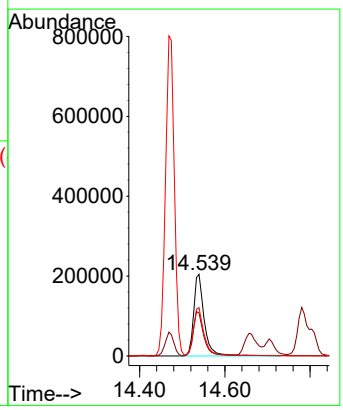


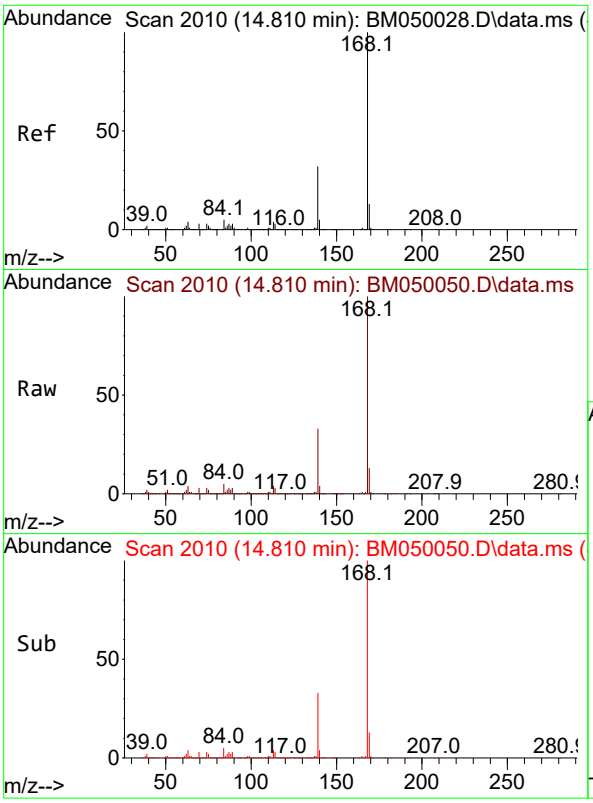


#54
2,4-Dinitrophenol
Concen: 63.853 ng
RT: 14.539 min Scan# 1964
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion:184 Resp: 352044

Ion	Ratio	Lower	Upper
184	100		
63	52.8	39.8	59.6
154	59.2	46.1	69.1



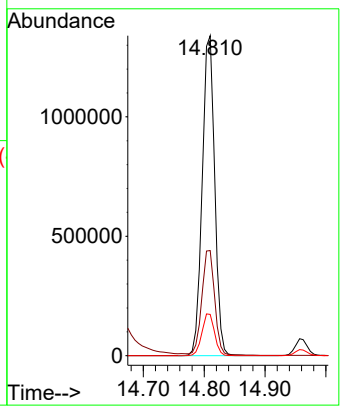


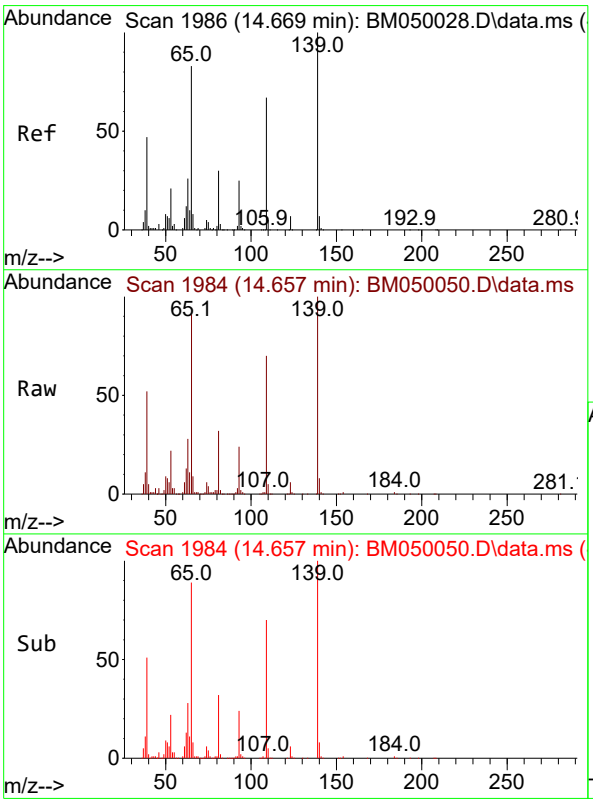
#55
Dibenzofuran
Concen: 36.714 ng
RT: 14.810 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion:168 Resp: 1905961

Ion	Ratio	Lower	Upper
168	100		
139	32.9	26.1	39.1
169	12.9	10.8	16.2

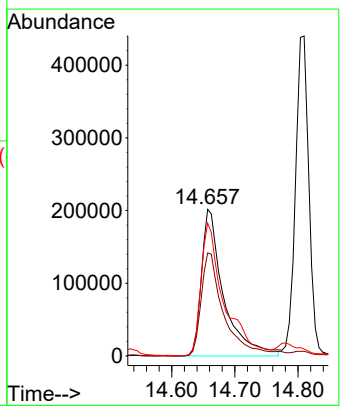


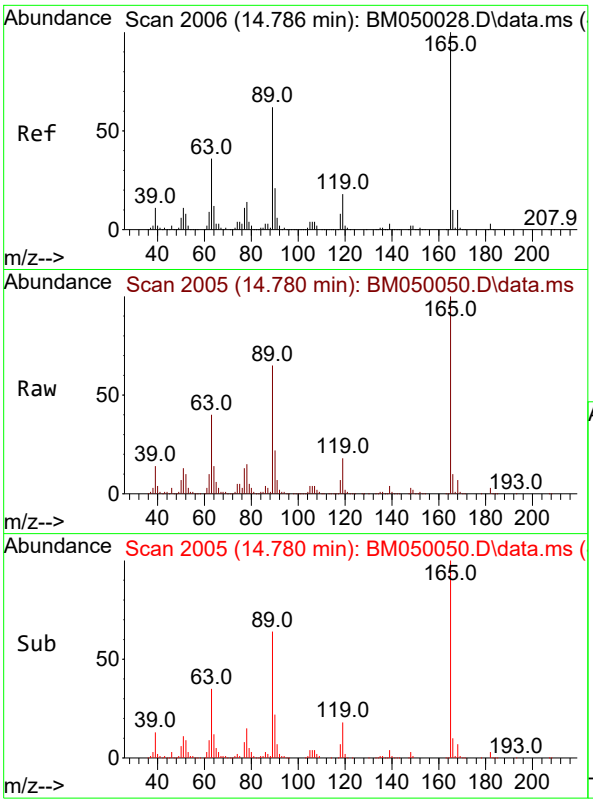


#56
4-Nitrophenol
Concen: 72.404 ng
RT: 14.657 min Scan# 1984
Delta R.T. -0.012 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion:139 Resp: 491031

Ion	Ratio	Lower	Upper
139	100		
109	70.3	47.0	87.0
65	90.6	64.3	104.3



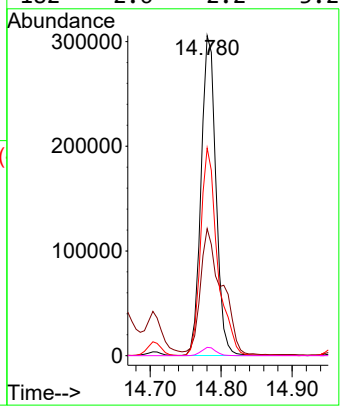


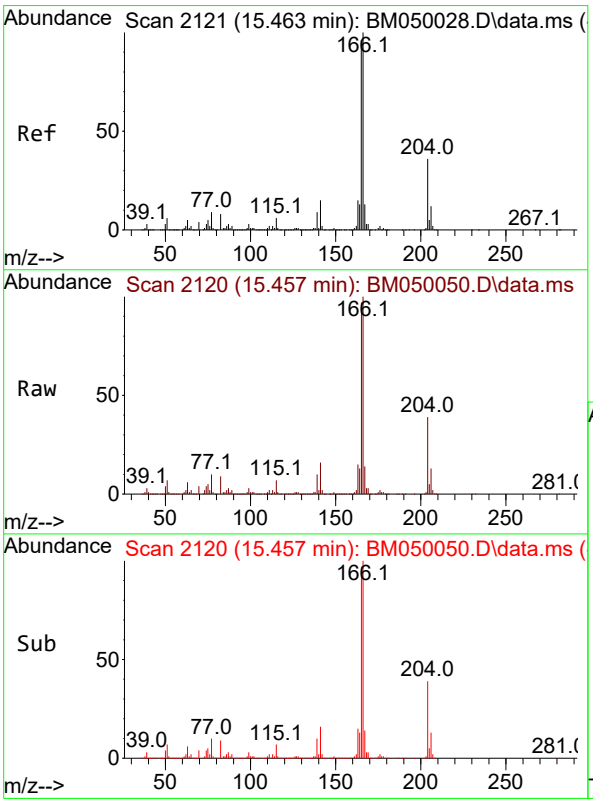
#57
2,4-Dinitrotoluene
Concen: 36.680 ng
RT: 14.780 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion:165 Resp: 445355

Ion	Ratio	Lower	Upper
165	100		
63	39.7	29.0	43.6
89	64.9	49.4	74.2
182	2.6	2.2	3.2

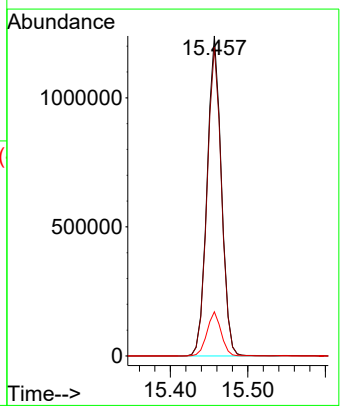


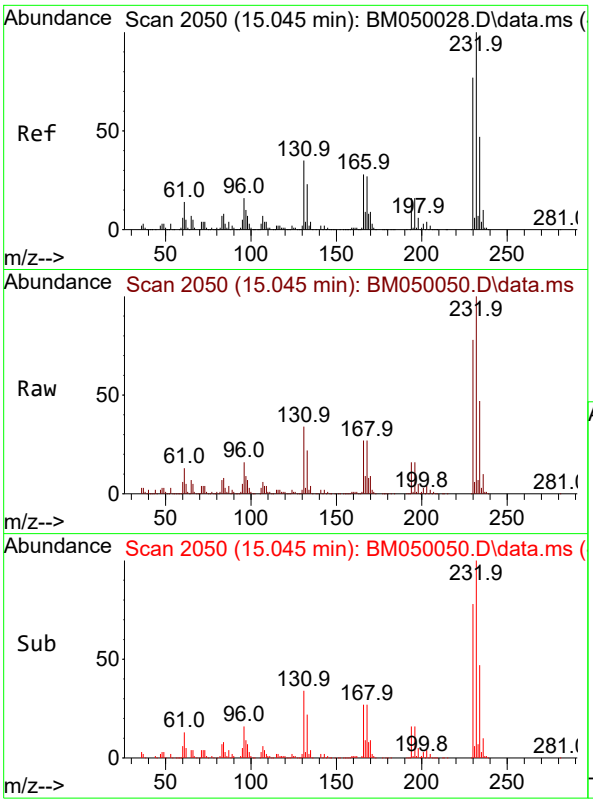


#58
Fluorene
Concen: 37.366 ng
RT: 15.457 min Scan# 2120
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion:166 Resp: 1587784

Ion	Ratio	Lower	Upper
166	100		
165	96.6	76.6	115.0
167	13.8	10.6	16.0



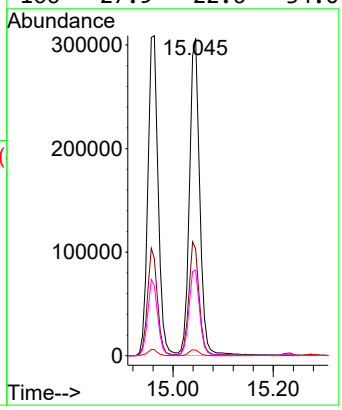


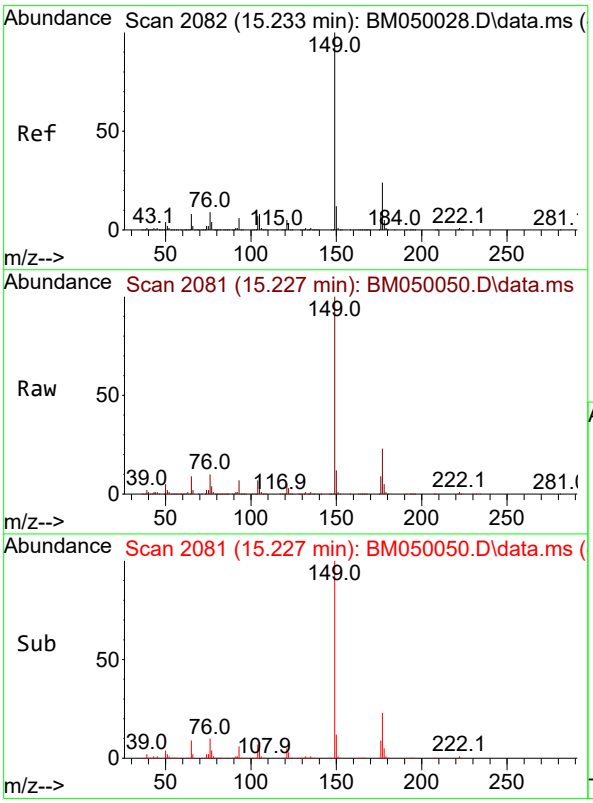
#59
2,3,4,6-Tetrachlorophenol
Concen: 36.591 ng
RT: 15.045 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion:232 Resp: 435492

Ion	Ratio	Lower	Upper
232	100		
131	35.9	28.2	42.4
130	2.0	1.5	2.3
166	27.9	22.6	34.0

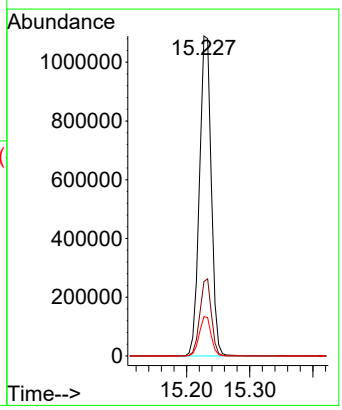


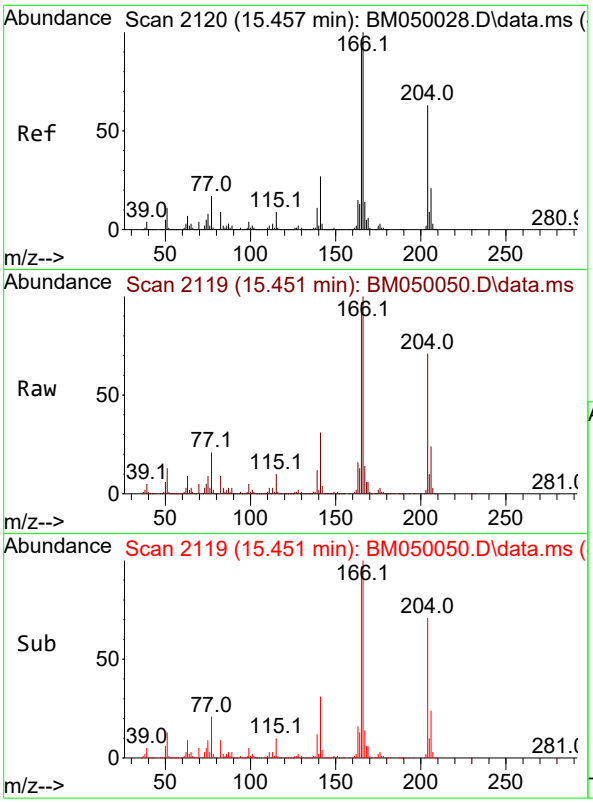


#60
Diethylphthalate
Concen: 35.331 ng
RT: 15.227 min Scan# 2081
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion:149 Resp: 1412851

Ion	Ratio	Lower	Upper
149	100		
177	23.2	19.1	28.7
150	12.3	9.6	14.4



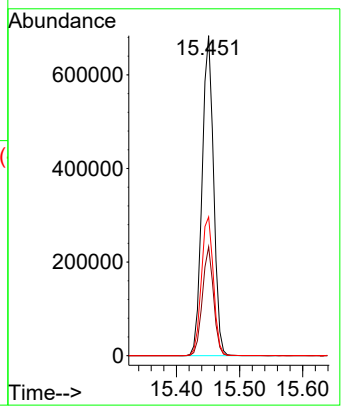


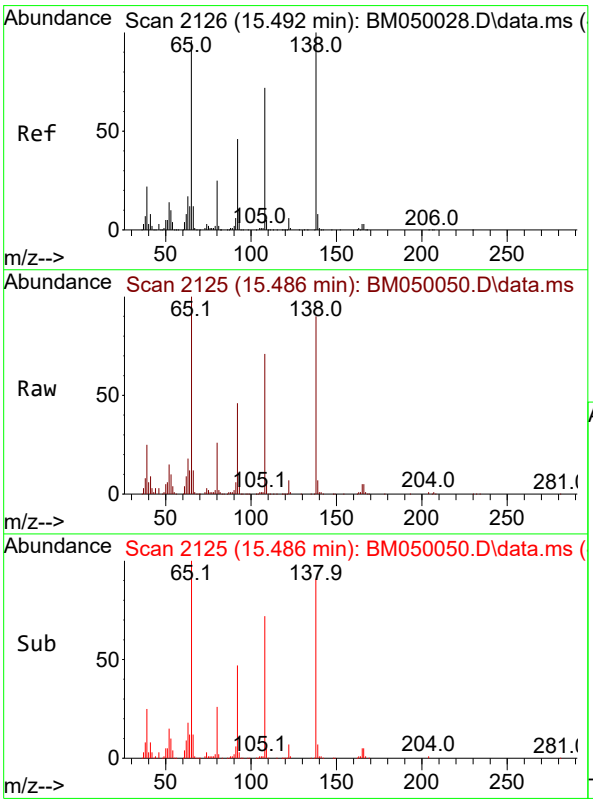
#61
4-Chlorophenyl-phenylether
Concen: 37.068 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion:204 Resp: 865139

Ion	Ratio	Lower	Upper
204	100		
206	34.0	26.3	39.5
141	43.3	34.0	51.0

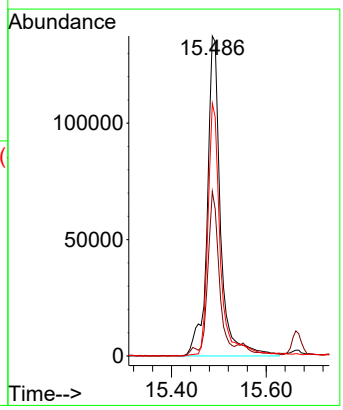


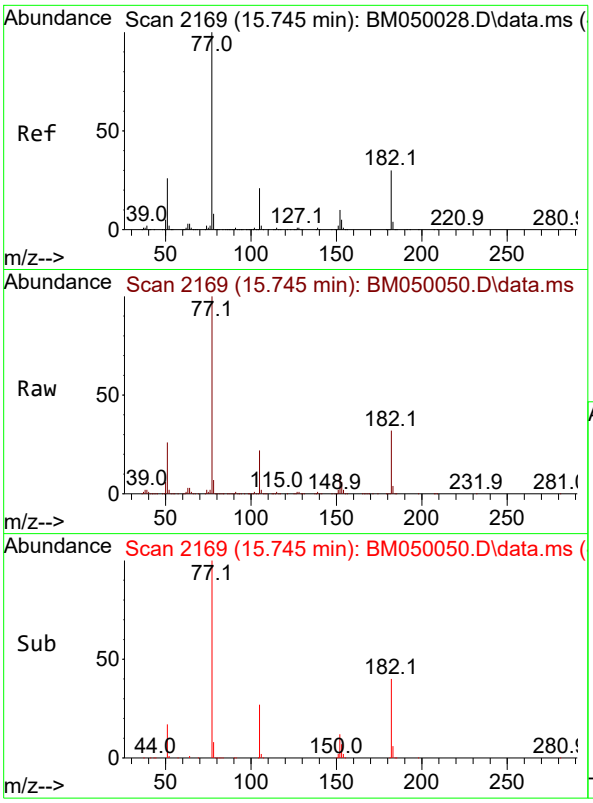


#62
4-Nitroaniline
Concen: 33.207 ng
RT: 15.486 min Scan# 2125
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion:138 Resp: 268767

Ion	Ratio	Lower	Upper
138	100		
92	51.4	25.9	65.9
108	79.0	52.4	92.4



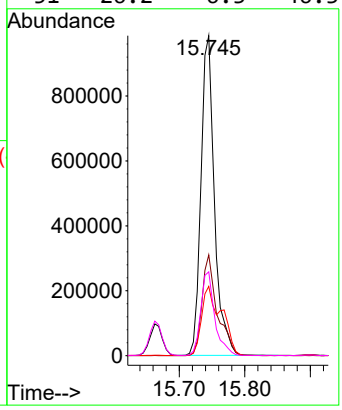


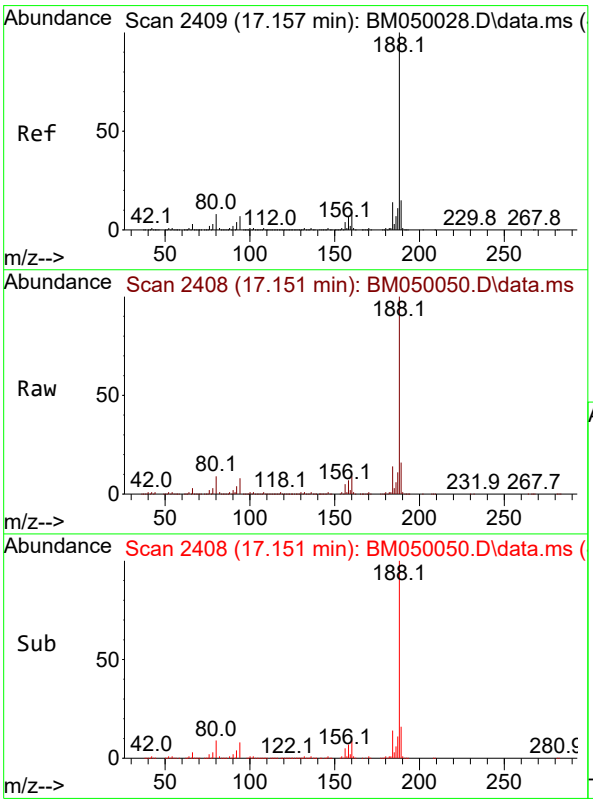
#63
Azobenzene
Concen: 42.158 ng
RT: 15.745 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion: 77 Resp: 1412905

Ion	Ratio	Lower	Upper
77	100		
182	31.5	10.5	50.5
105	21.6	1.1	41.1
51	26.2	6.3	46.3

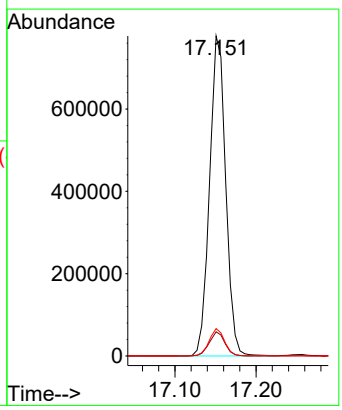


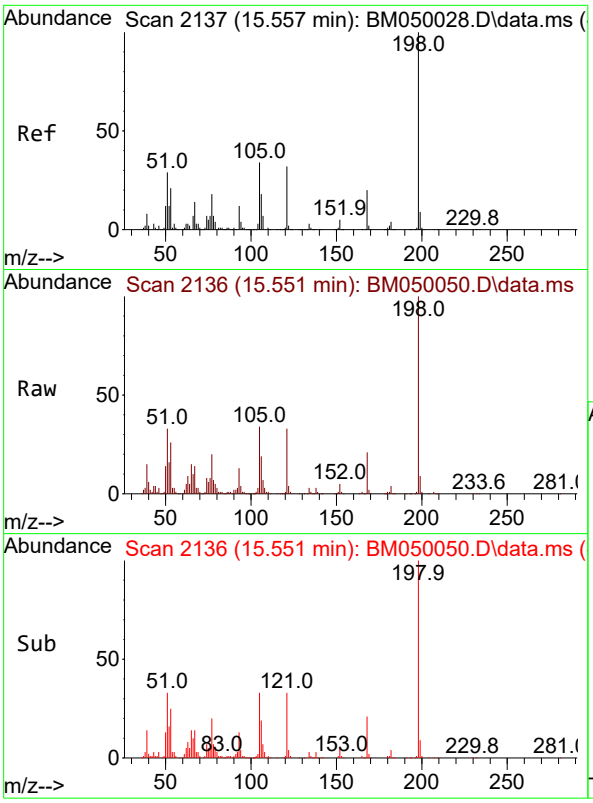


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.151 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion:188 Resp: 1072390

Ion	Ratio	Lower	Upper
188	100		
94	7.6	5.7	8.5
80	8.6	6.2	9.4



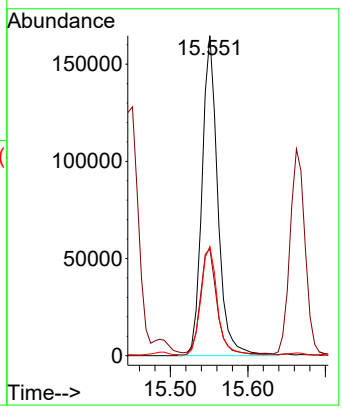


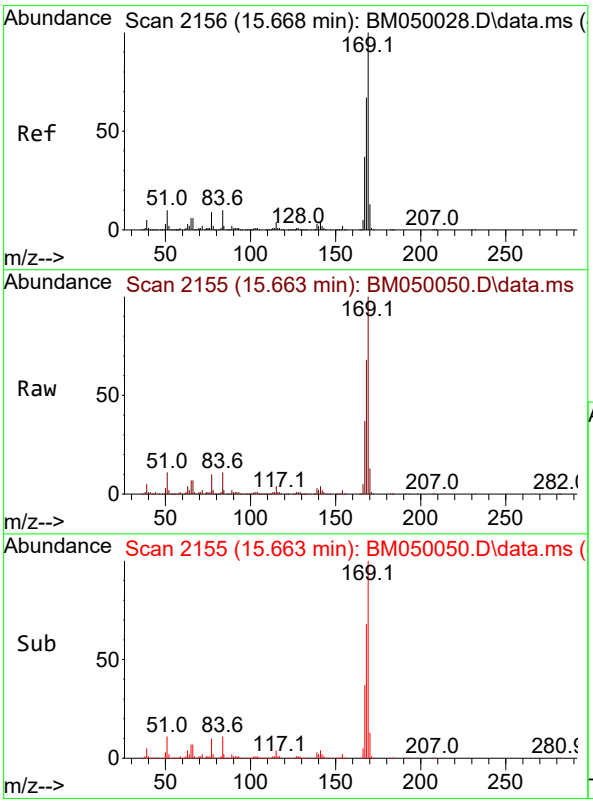
#65
4,6-Dinitro-2-methylphenol
Concen: 34.712 ng
RT: 15.551 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion:198 Resp: 233014

Ion	Ratio	Lower	Upper
198	100		
51	33.4	10.4	50.4
105	34.1	14.6	54.6

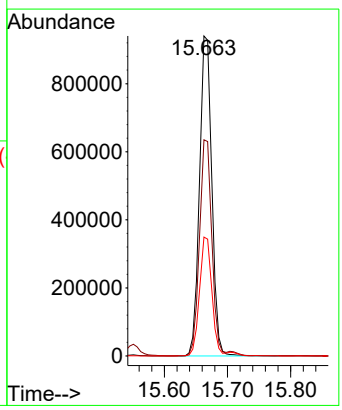


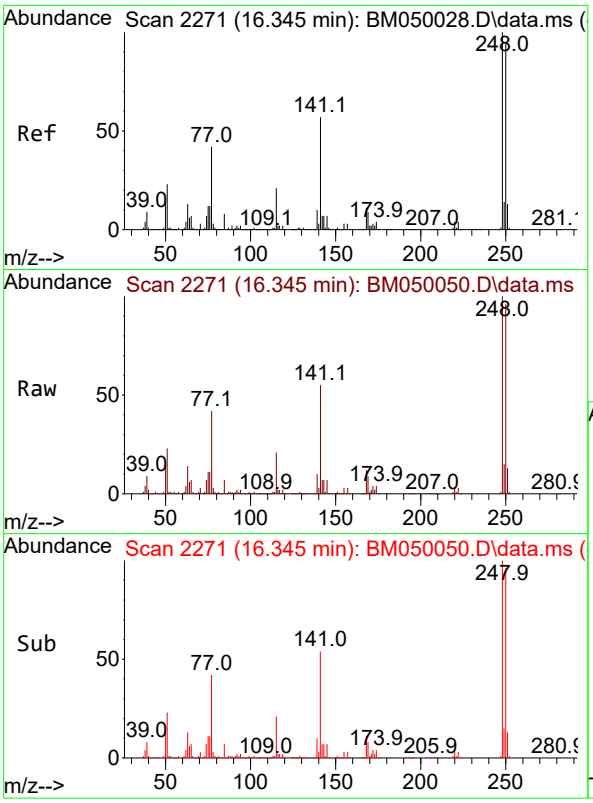


#66
n-Nitrosodiphenylamine
Concen: 38.643 ng
RT: 15.663 min Scan# 2155
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion:169 Resp: 1272523

Ion	Ratio	Lower	Upper
169	100		
168	67.5	53.4	80.2
167	37.2	29.4	44.0



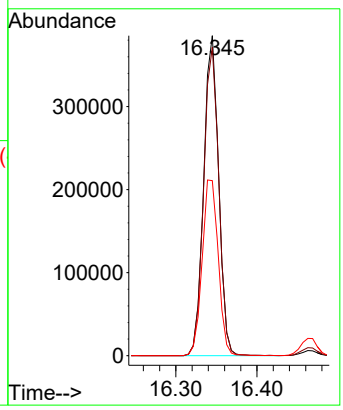


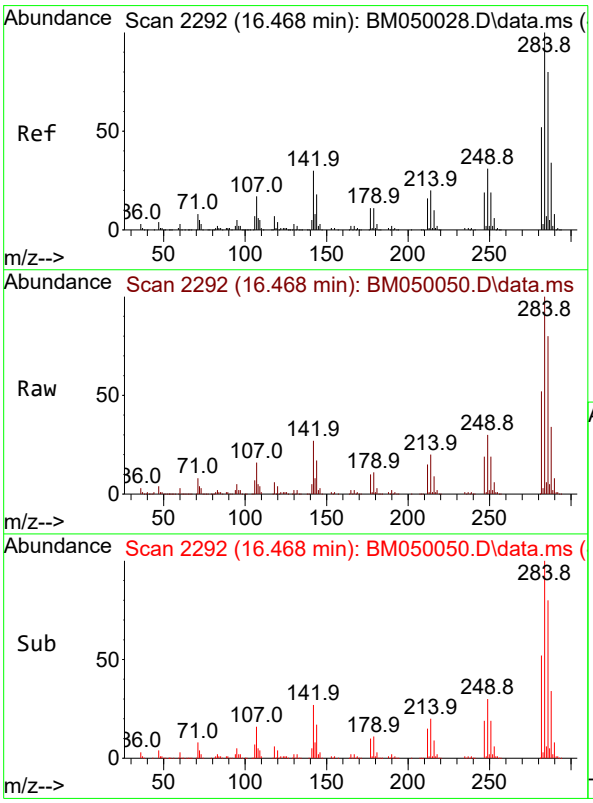
#67
4-Bromophenyl-phenylether
Concen: 37.960 ng
RT: 16.345 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion:248 Resp: 492266

Ion	Ratio	Lower	Upper
248	100		
250	96.3	76.2	114.2
141	54.7	45.9	68.9

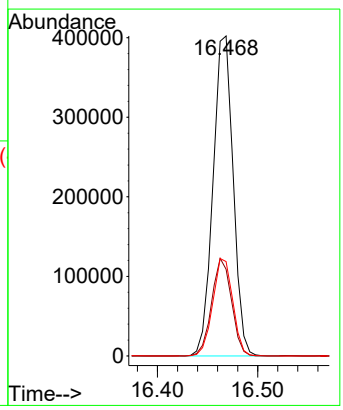


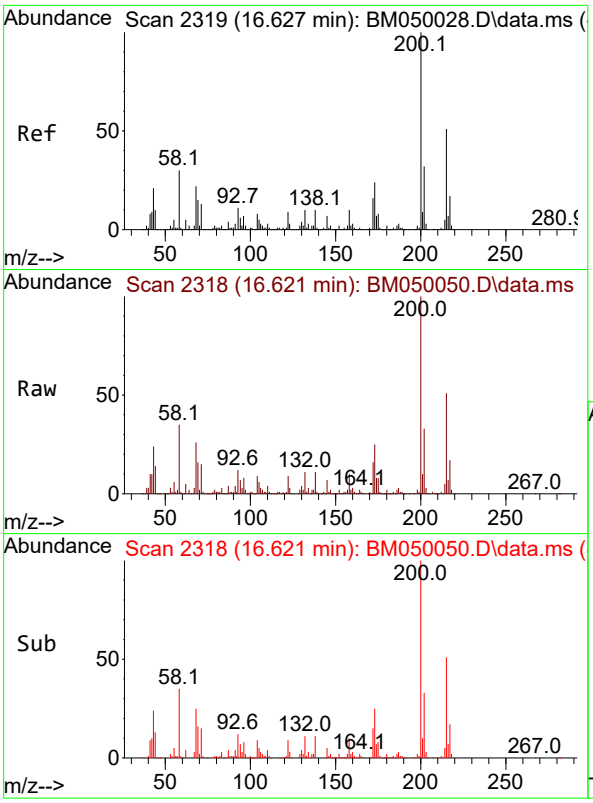


#68
Hexachlorobenzene
Concen: 37.521 ng
RT: 16.468 min Scan# 2292
Delta R.T. 0.000 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion:284 Resp: 560879

Ion	Ratio	Lower	Upper
284	100		
142	27.1	23.9	35.9
249	29.5	24.5	36.7



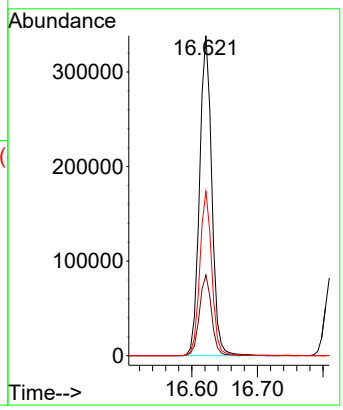


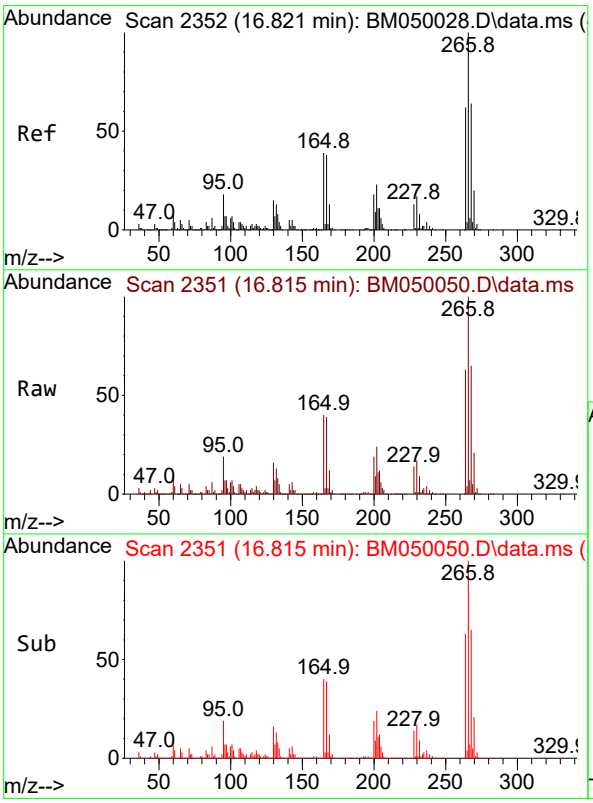
#69
Atrazine
Concen: 37.034 ng
RT: 16.621 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion:200 Resp: 439898

Ion	Ratio	Lower	Upper
200	100		
173	25.2	4.3	44.3
215	51.4	30.6	70.6

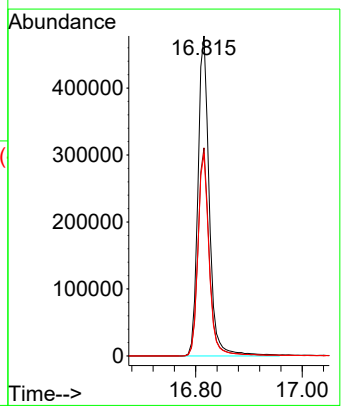


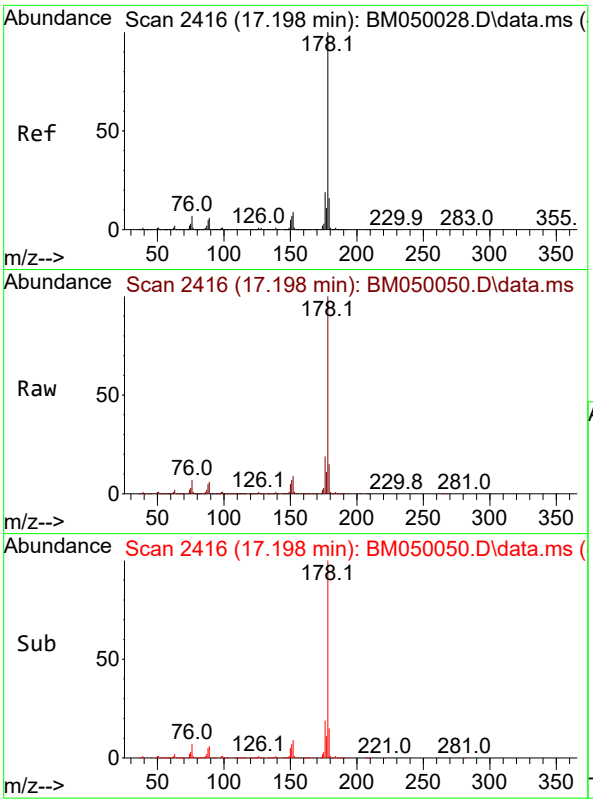


#70
Pentachlorophenol
Concen: 83.853 ng
RT: 16.815 min Scan# 2351
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion:266 Resp: 705569

Ion	Ratio	Lower	Upper
266	100		
268	65.1	51.2	76.8
264	63.1	49.6	74.4



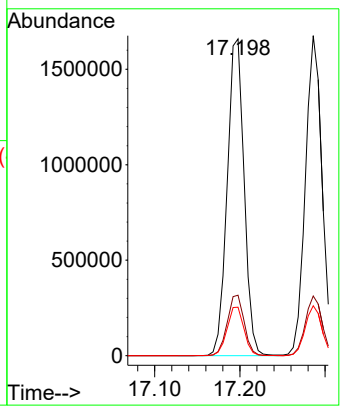


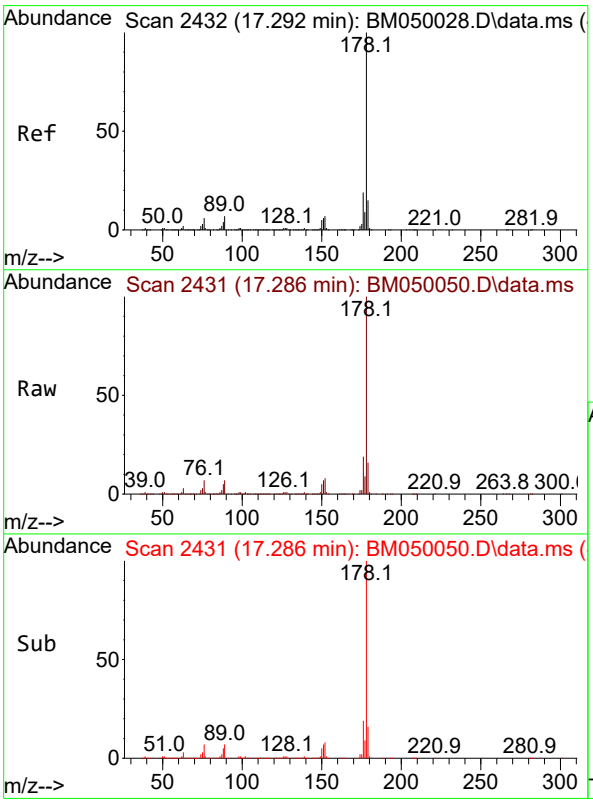
#71
Phenanthrene
Concen: 37.808 ng
RT: 17.198 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion:178 Resp: 2286790

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.3	12.4	18.6

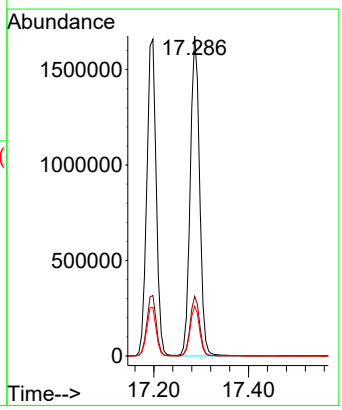


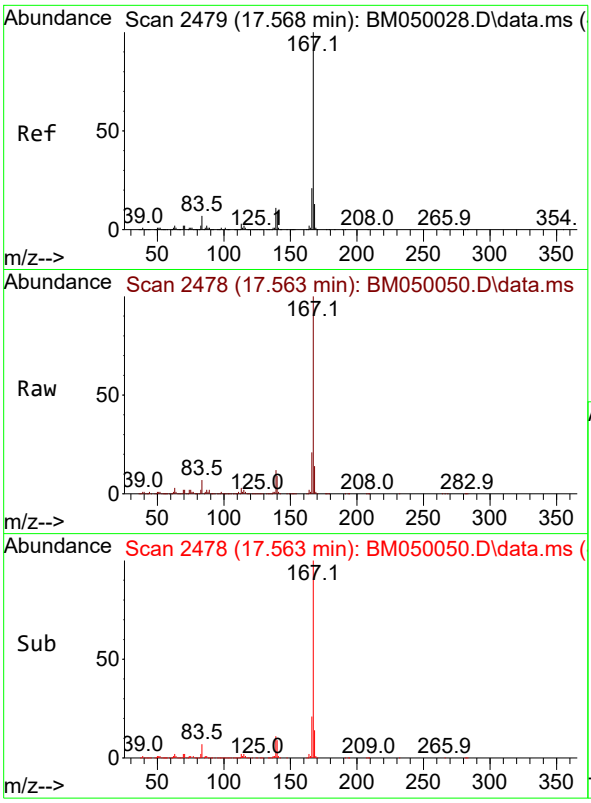


#72
Anthracene
Concen: 37.456 ng
RT: 17.286 min Scan# 2431
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion:178 Resp: 2292656

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.4
179	15.6	12.2	18.4



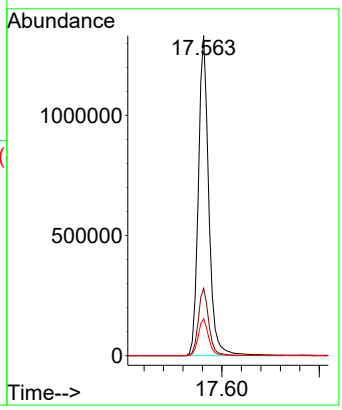


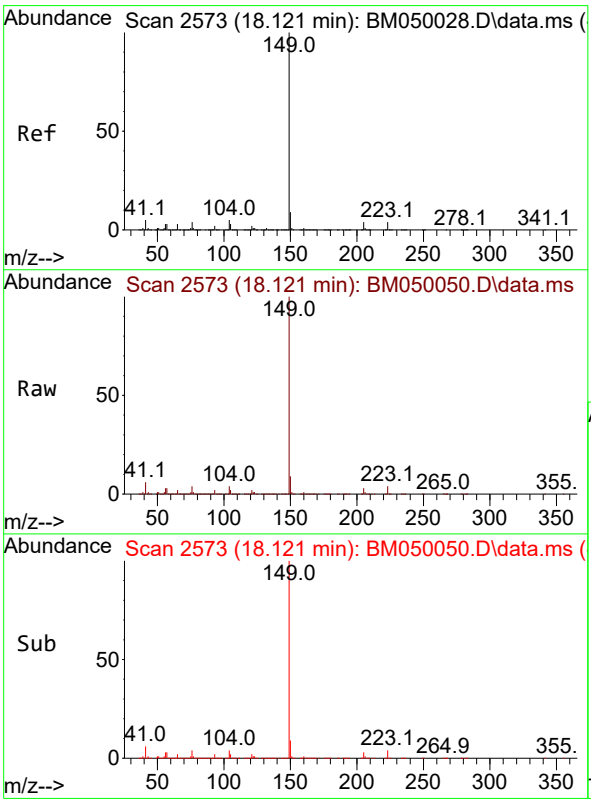
#73
Carbazole
Concen: 37.238 ng
RT: 17.563 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion:167 Resp: 1977881

Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.2	25.8
139	11.5	9.0	13.6

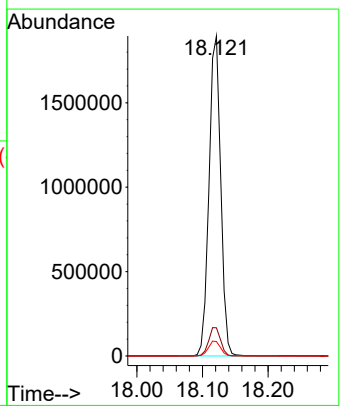


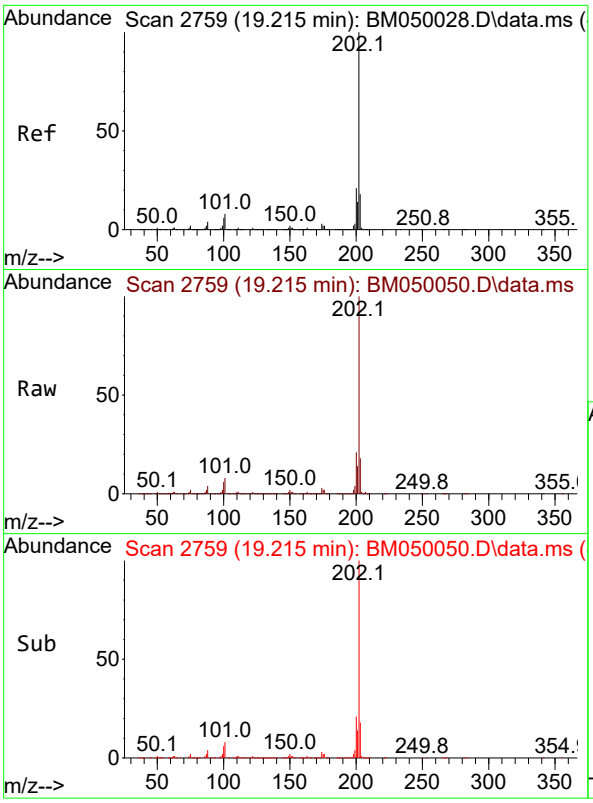


#74
Di-n-butylphthalate
Concen: 37.160 ng
RT: 18.121 min Scan# 2573
Delta R.T. 0.000 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion:149 Resp: 2350453

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.3	10.9
104	4.5	3.8	5.6



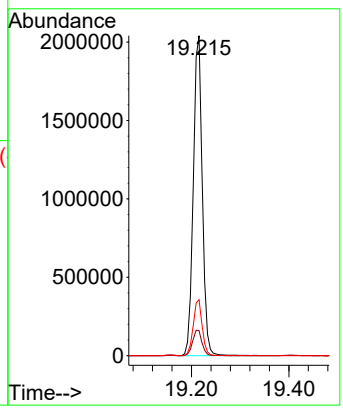


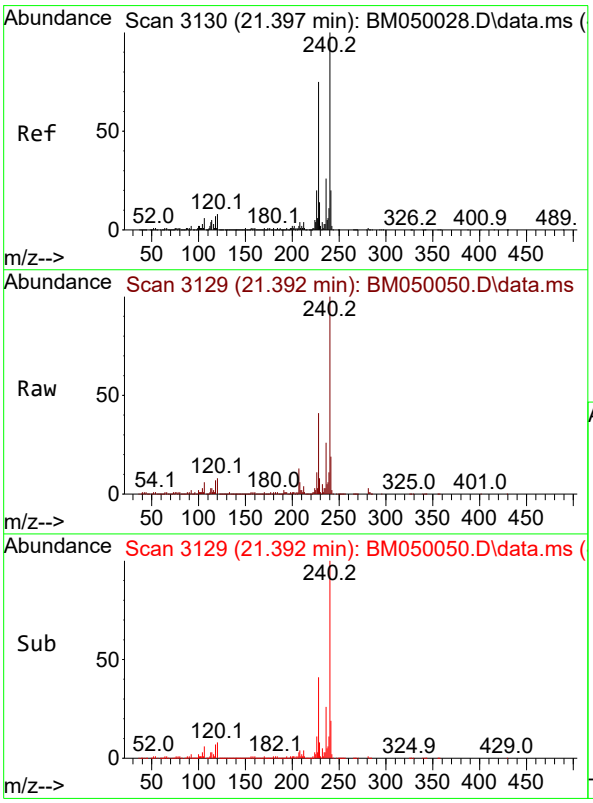
#75
Fluoranthene
Concen: 37.037 ng
RT: 19.215 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion:202 Resp: 2630073

Ion	Ratio	Lower	Upper
202	100		
101	7.8	0.0	28.0
203	17.5	0.0	37.7

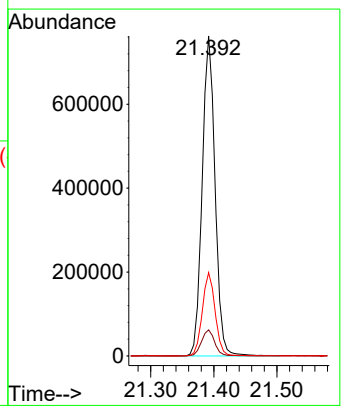


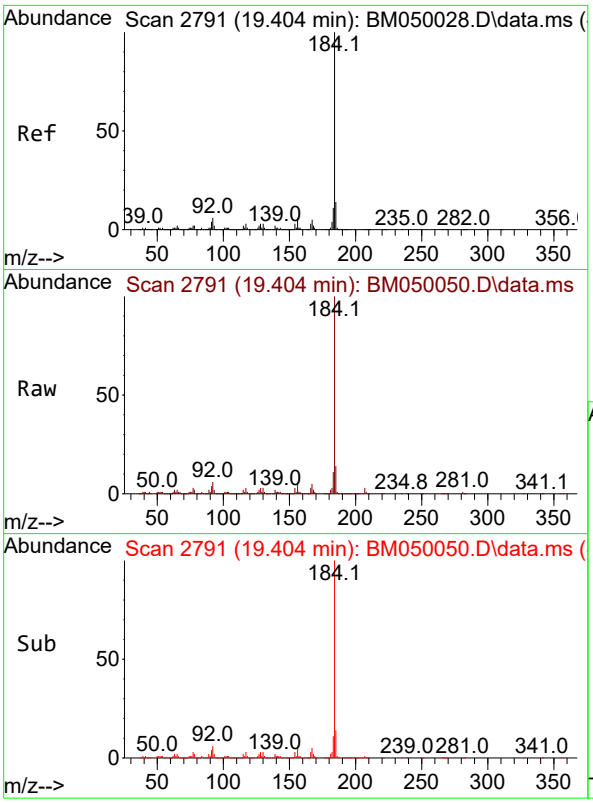


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.392 min Scan# 3129
Delta R.T. -0.005 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion:240 Resp: 1080297

Ion	Ratio	Lower	Upper
240	100		
120	8.2	6.5	9.7
236	26.1	20.9	31.3



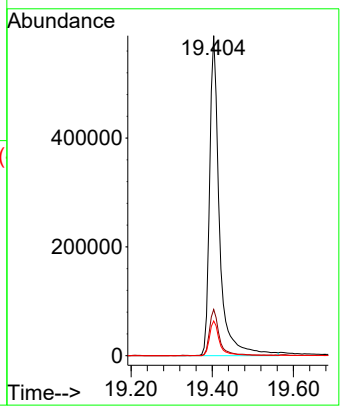


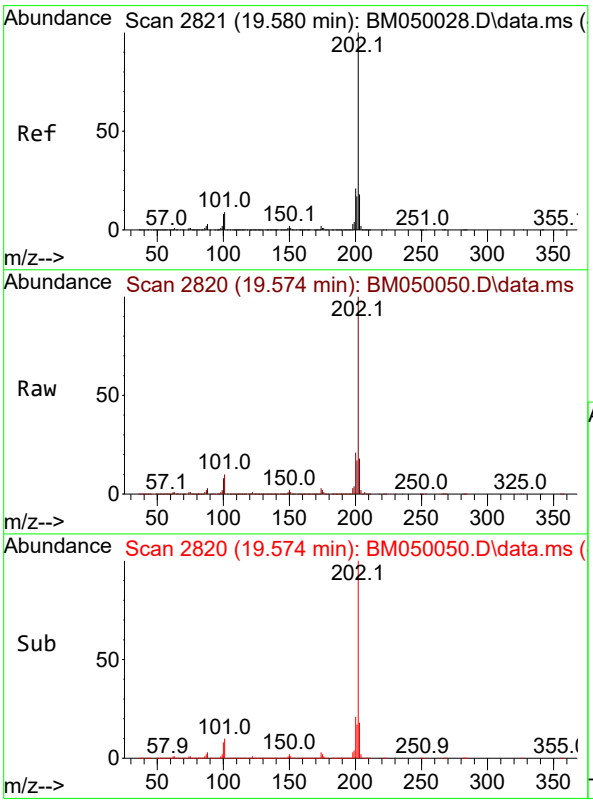
#77
Benzidine
Concen: 25.919 ng
RT: 19.404 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion:184 Resp: 994596

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.5	17.3
183	10.9	8.9	13.3

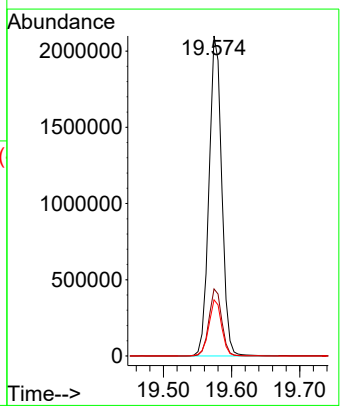


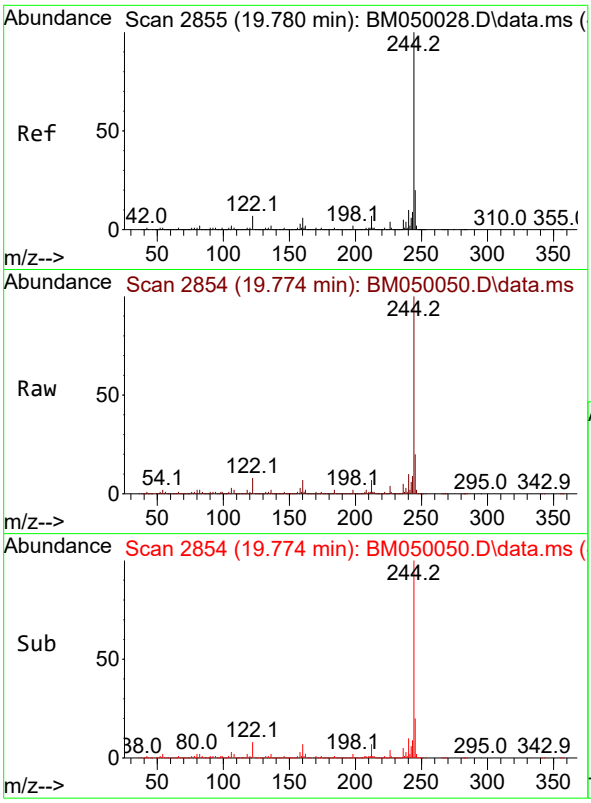


#78
Pyrene
Concen: 35.928 ng
RT: 19.574 min Scan# 2820
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion:202 Resp: 2725548

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.6	14.1	21.1



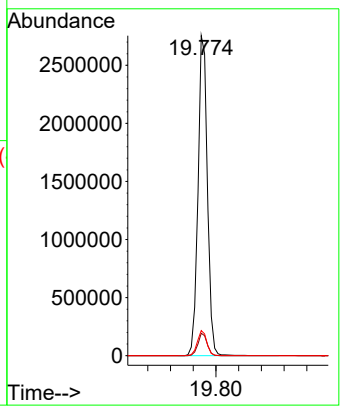


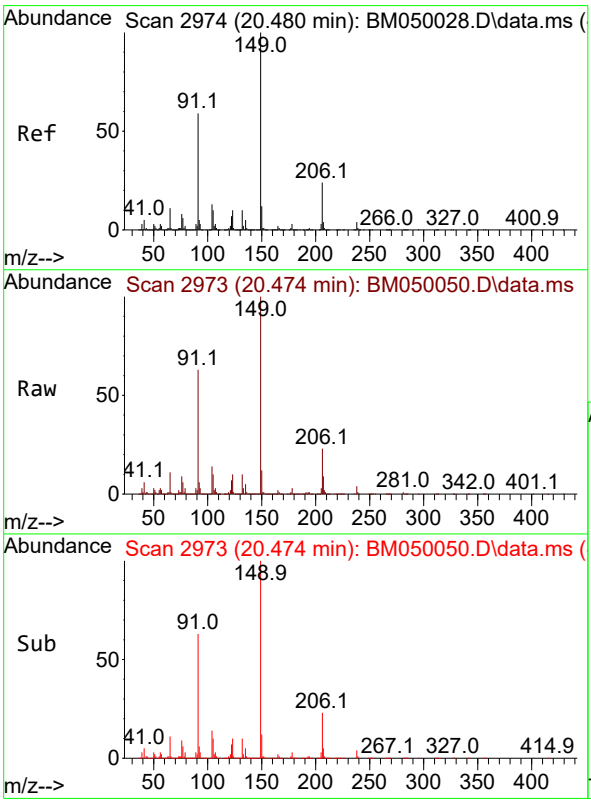
#79
Terphenyl-d14
Concen: 43.431 ng
RT: 19.774 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion:244 Resp: 3170717

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	7.8	5.6	8.4

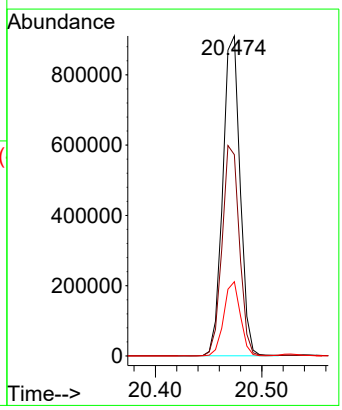


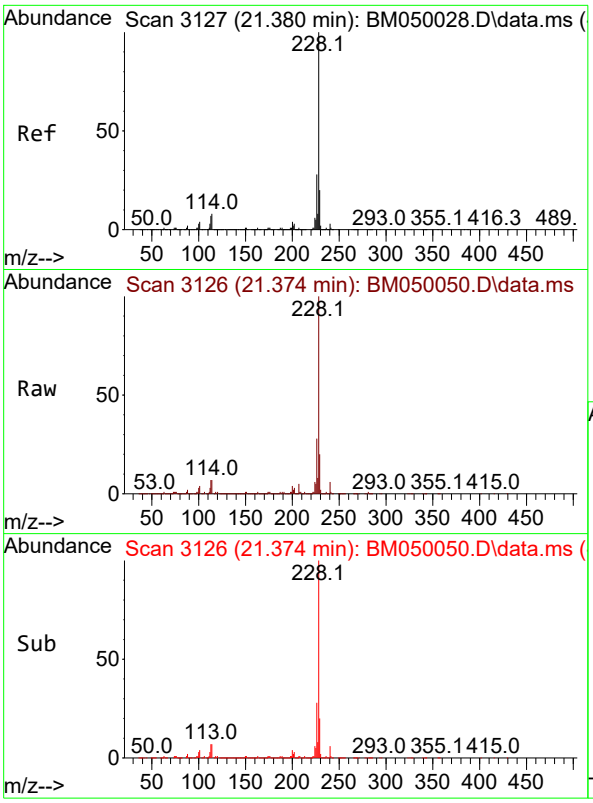


#80
Butylbenzylphthalate
Concen: 36.036 ng
RT: 20.474 min Scan# 2973
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion:149 Resp: 1023890

Ion	Ratio	Lower	Upper
149	100		
91	62.9	47.4	71.2
206	23.2	19.4	29.0



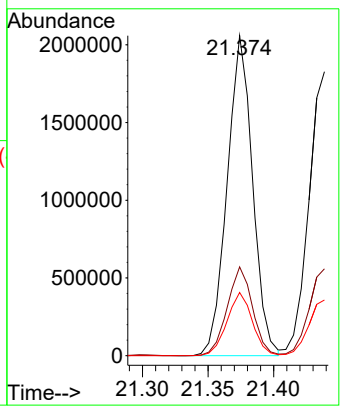


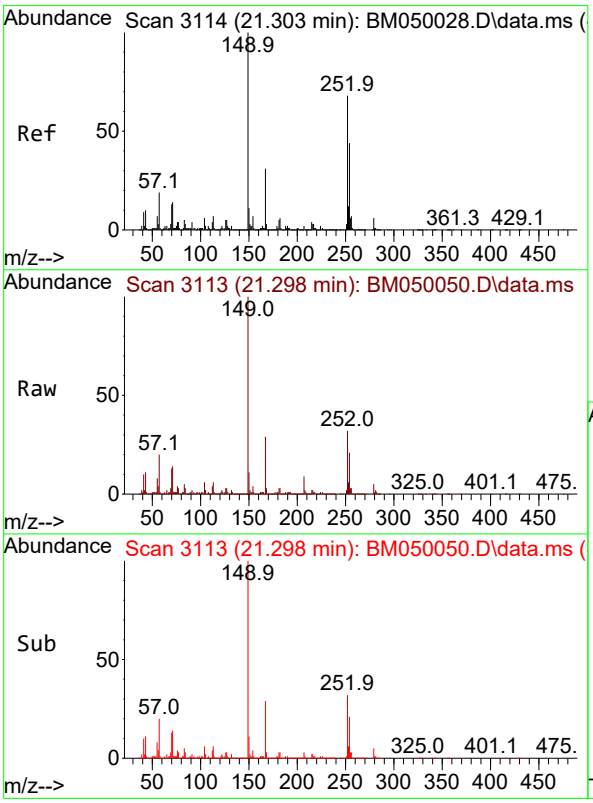
#81
Benzo(a)anthracene
Concen: 37.362 ng
RT: 21.374 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion:228 Resp: 2779421

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.1	33.1
229	19.8	15.7	23.5

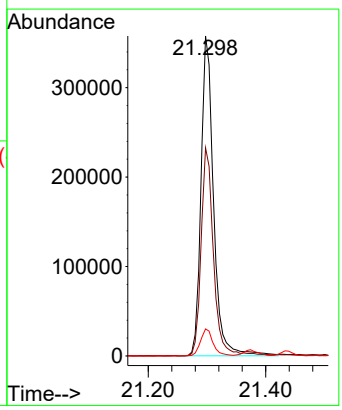


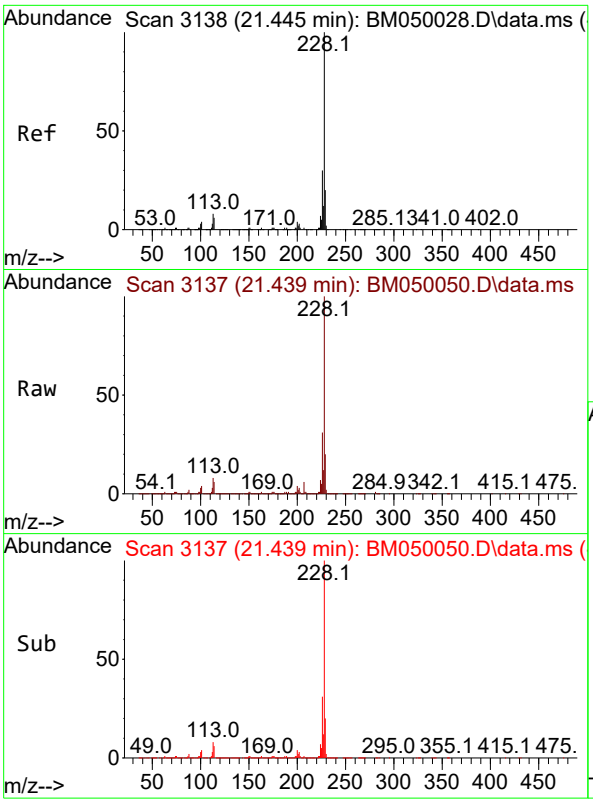


#82
3,3'-Dichlorobenzidine
Concen: 18.579 ng
RT: 21.298 min Scan# 3113
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion:252 Resp: 529097

Ion	Ratio	Lower	Upper
252	100		
254	65.1	51.8	77.6
126	8.5	6.0	9.0



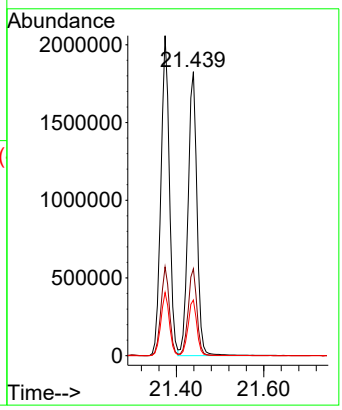


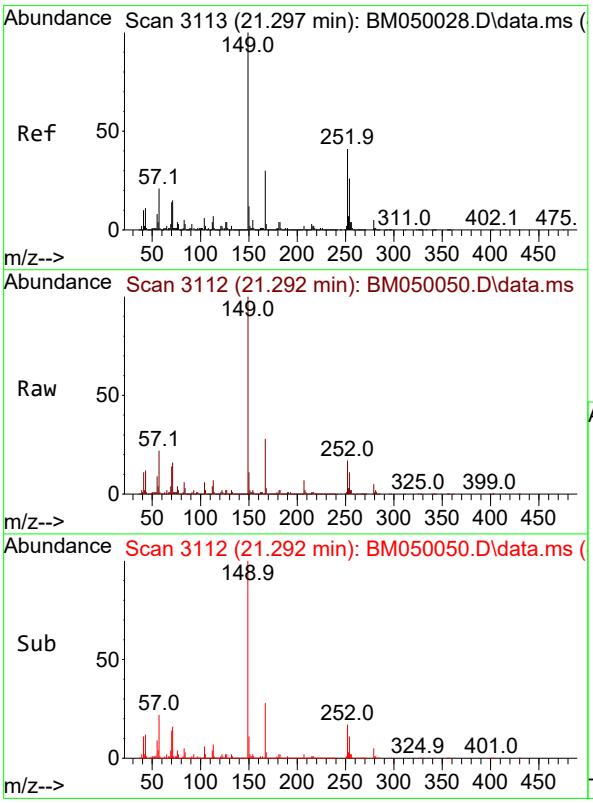
#83
Chrysene
Concen: 37.420 ng
RT: 21.439 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion:228 Resp: 2576404

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.2	36.2
229	19.6	15.7	23.5

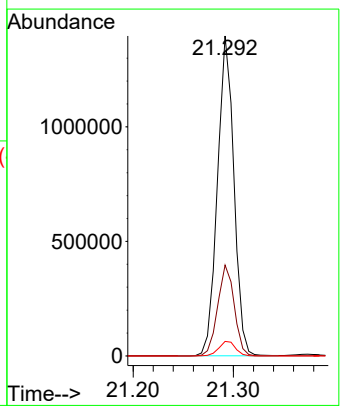


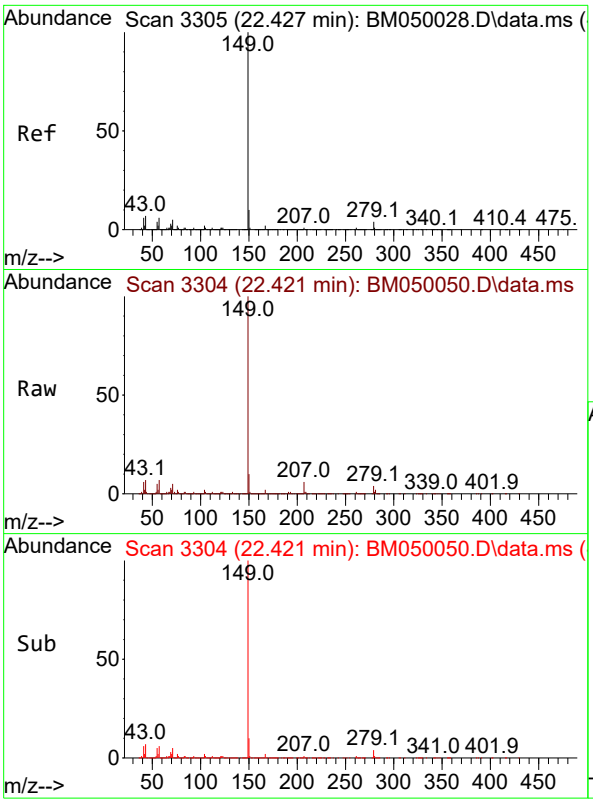


#84
Bis(2-ethylhexyl)phthalate
Concen: 37.396 ng
RT: 21.292 min Scan# 3112
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion:149 Resp: 1587083

Ion	Ratio	Lower	Upper
149	100		
167	28.4	24.1	36.1
279	4.6	3.9	5.9



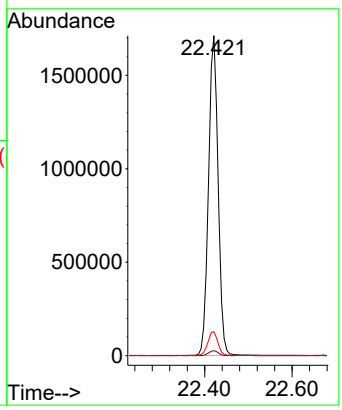


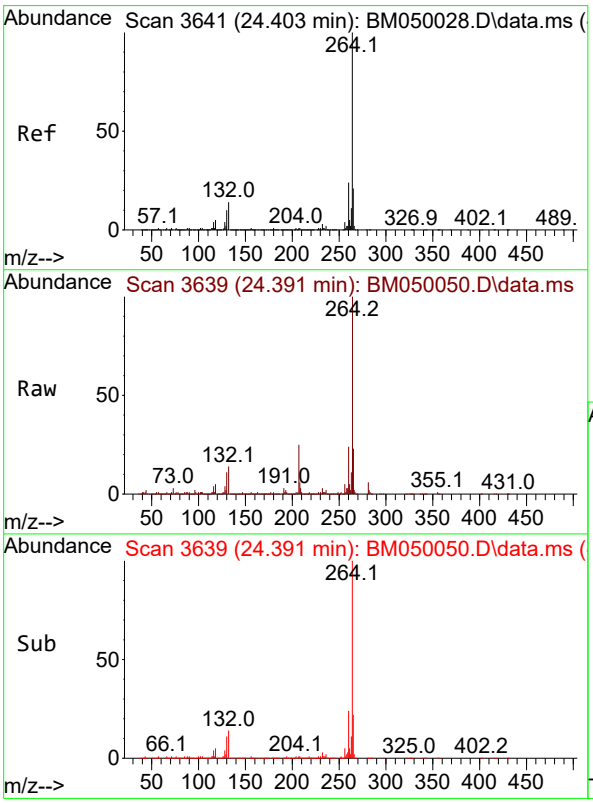
#85
Di-n-octyl phthalate
Concen: 37.427 ng
RT: 22.421 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion:149 Resp: 2619466

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.8	5.8	8.8

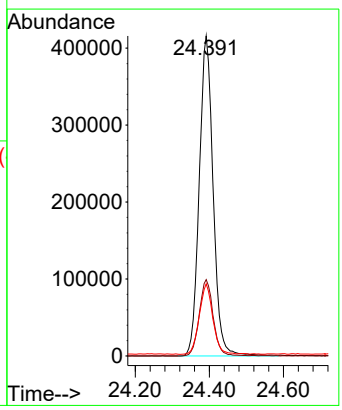


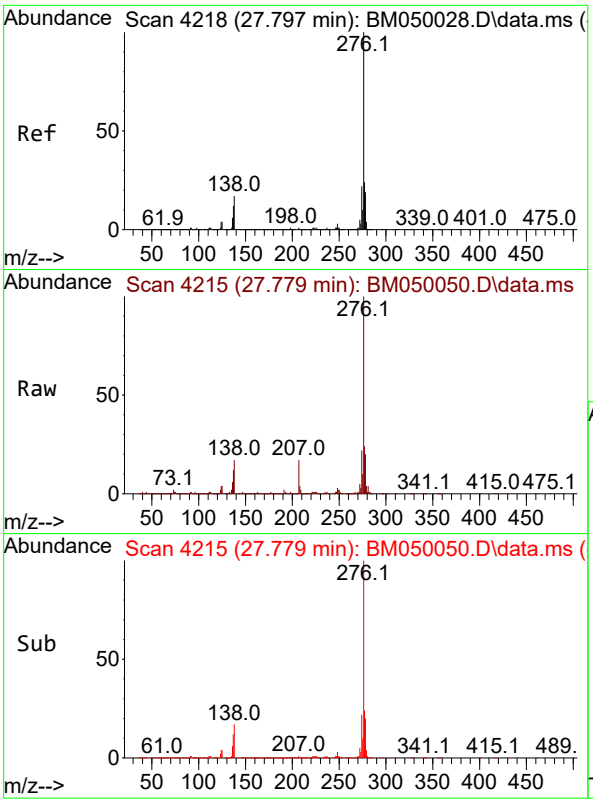


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.391 min Scan# 3639
Delta R.T. -0.012 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion:264 Resp: 1082313

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.8	28.2
265	22.5	17.0	25.4



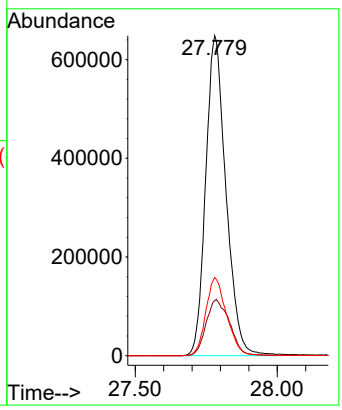


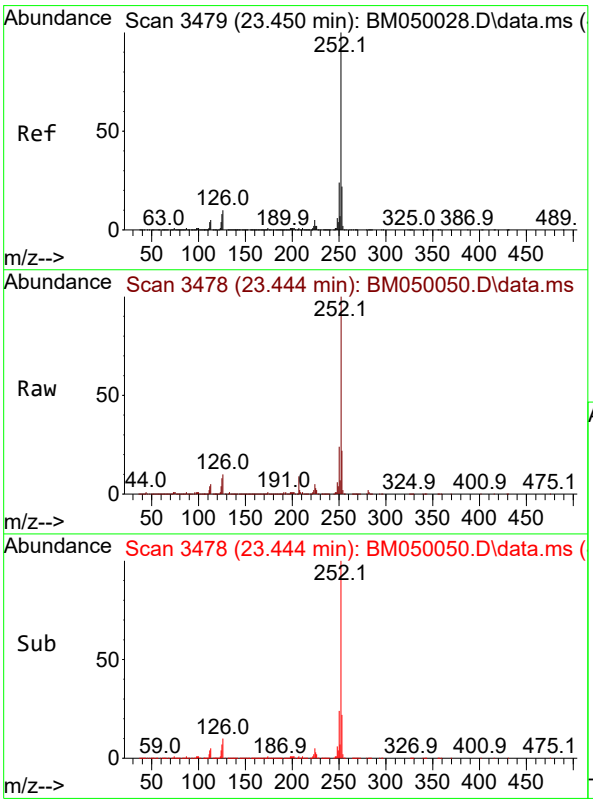
#87
Indeno(1,2,3-cd)pyrene
Concen: 39.848 ng
RT: 27.779 min Scan# 4
Delta R.T. -0.018 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion:276 Resp: 3213578

Ion	Ratio	Lower	Upper
276	100		
138	20.3	16.4	24.6
277	25.1	19.8	29.8

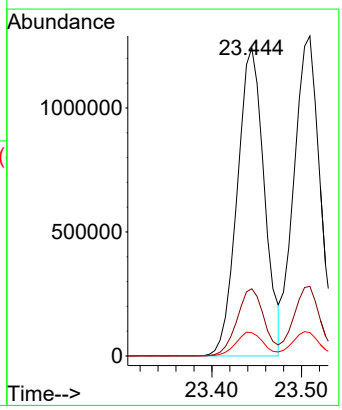


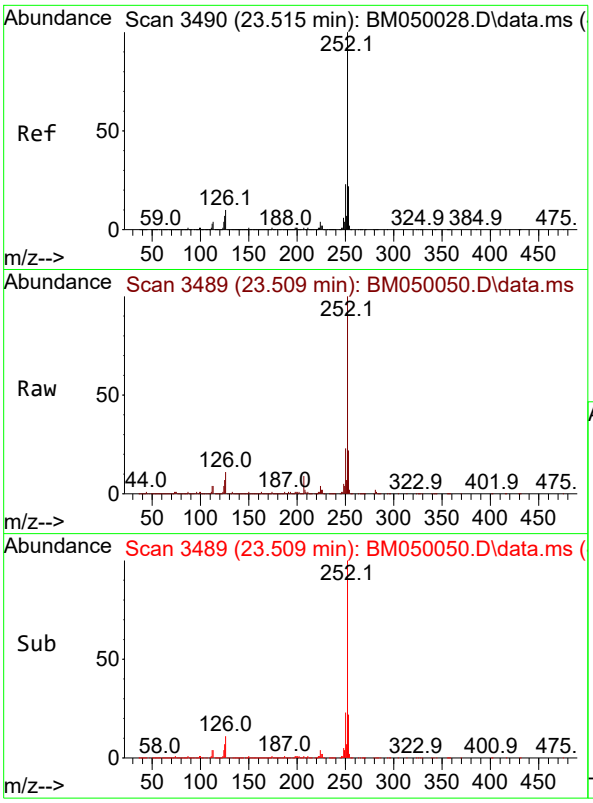


#88
Benzo(b)fluoranthene
Concen: 36.905 ng
RT: 23.444 min Scan# 3478
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion:252 Resp: 2597561

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	7.5	6.1	9.1



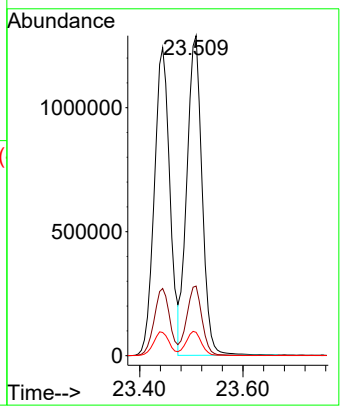


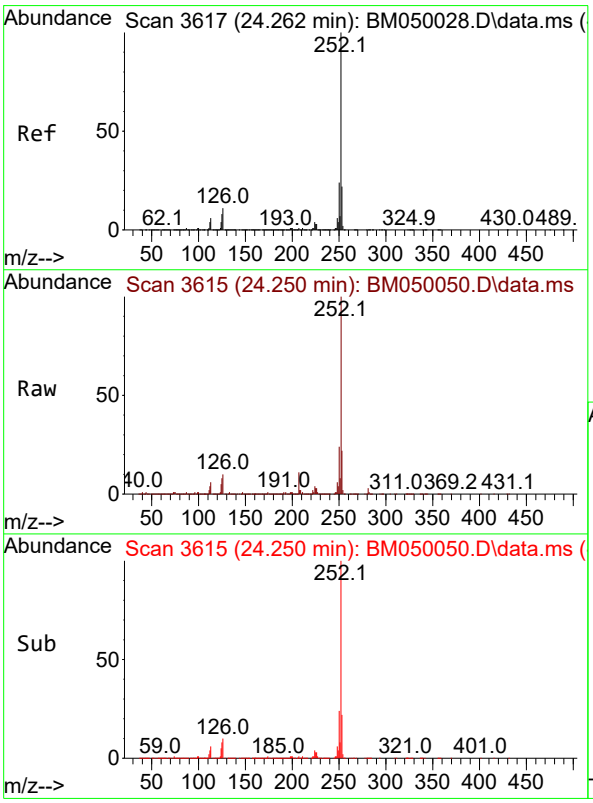
#89
Benzo(k)fluoranthene
Concen: 36.926 ng
RT: 23.509 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion:252 Resp: 2629012

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	7.3	5.8	8.8

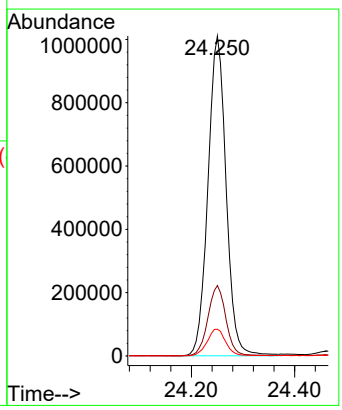


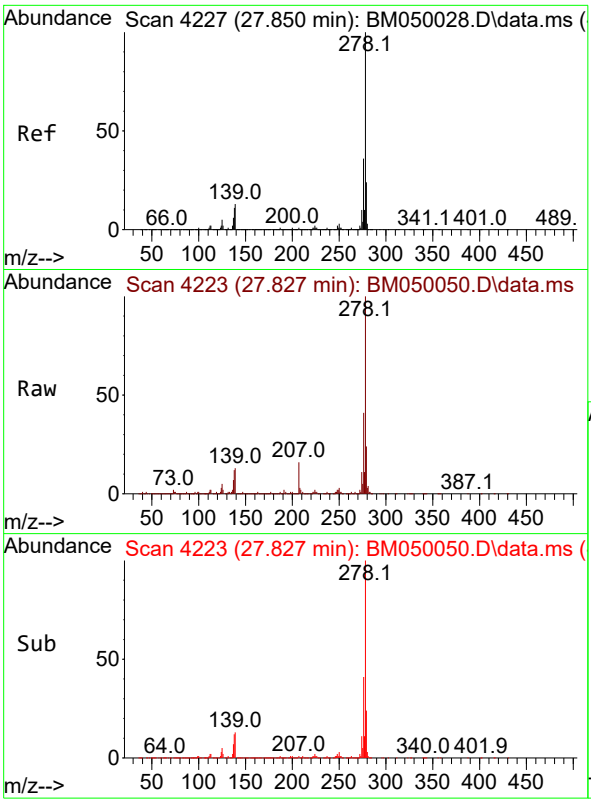


#90
Benzo(a)pyrene
Concen: 37.367 ng
RT: 24.250 min Scan# 3615
Delta R.T. -0.012 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion:252 Resp: 2463380

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	8.4	6.6	9.8



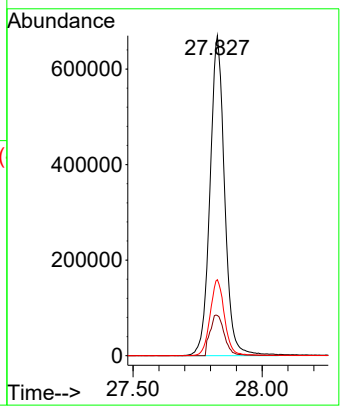


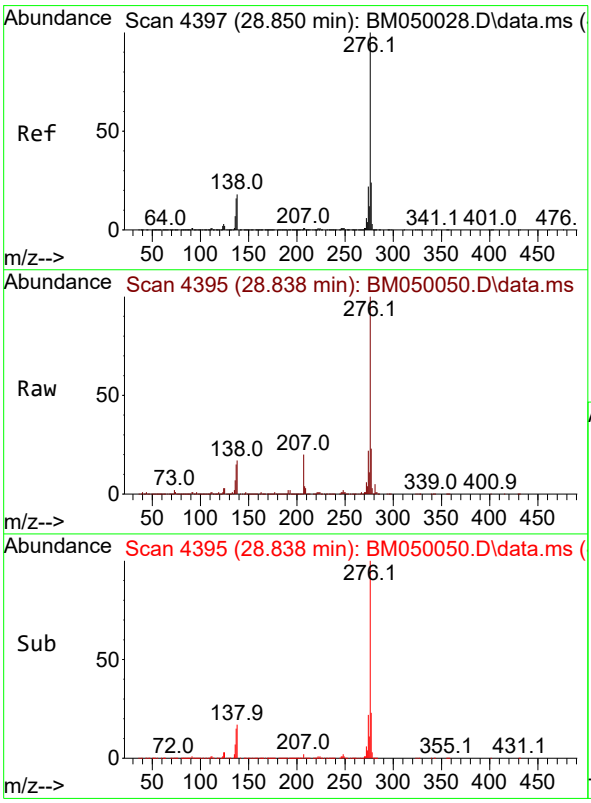
#91
Dibenzo(a,h)anthracene
Concen: 40.077 ng
RT: 27.827 min Scan# 4
Delta R.T. -0.023 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Instrument :
BNA_M
ClientSampleId :
COMP-2MS

Tgt Ion:278 Resp: 2634617

Ion	Ratio	Lower	Upper
278	100		
139	12.5	10.5	15.7
279	23.7	19.4	29.0

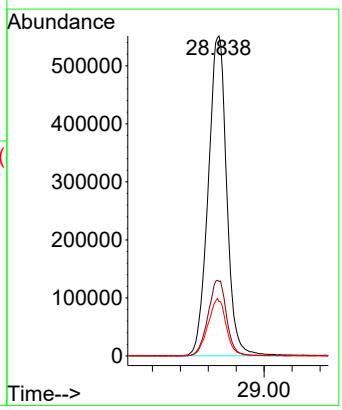




#92
Benzo(g,h,i)perylene
Concen: 40.160 ng
RT: 28.838 min Scan# 4395
Delta R.T. -0.012 min
Lab File: BM050050.D
Acq: 30 Apr 2025 18:02

Tgt Ion:276 Resp: 2527554

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.1	28.7
138	17.0	14.3	21.5



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

Report of Analysis

Client:	Nobis Group	Date Collected:	05/01/25
Project:	Raymark Superfund Site	Date Received:	05/01/25
Client Sample ID:	MH-QMS	SDG No.:	Q1883
Lab Sample ID:	Q1928-01MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	87.1
Sample Wt/Vol:	50.04 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024561.D	1	05/02/25 10:10	05/07/25 12:56	PB167836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	1.00		0.016	0.090	0.12	mg/Kg
91-57-6	2-Methylnaphthalene	0.93		0.018	0.090	0.12	mg/Kg
208-96-8	Acenaphthylene	1.10		0.020	0.090	0.12	mg/Kg
83-32-9	Acenaphthene	1.00		0.015	0.090	0.12	mg/Kg
86-73-7	Fluorene	1.10		0.017	0.090	0.12	mg/Kg
85-01-8	Phenanthrene	1.10		0.014	0.090	0.12	mg/Kg
120-12-7	Anthracene	1.10		0.023	0.090	0.12	mg/Kg
206-44-0	Fluoranthene	1.10		0.021	0.090	0.12	mg/Kg
129-00-0	Pyrene	0.98		0.025	0.090	0.12	mg/Kg
56-55-3	Benzo(a)anthracene	1.10		0.016	0.090	0.12	mg/Kg
218-01-9	Chrysene	1.00		0.014	0.090	0.12	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.10		0.013	0.090	0.12	mg/Kg
207-08-9	Benzo(k)fluoranthene	1.10		0.015	0.090	0.12	mg/Kg
50-32-8	Benzo(a)pyrene	1.10		0.020	0.090	0.12	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.10		0.020	0.090	0.12	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	1.10		0.019	0.090	0.12	mg/Kg
191-24-2	Benzo(g,h,i)perylene	1.10		0.018	0.090	0.12	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	50.3		37 - 122		50%	SPK: 100
321-60-8	2-Fluorobiphenyl	44.8		44 - 115		45%	SPK: 100
1718-51-0	Terphenyl-d14	48.4	*	54 - 127		48%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	149000	7.699				
1146-65-2	Naphthalene-d8	582000	10.475				
15067-26-2	Acenaphthene-d10	368000	14.34				
1517-22-2	Phenanthrene-d10	744000	17.139				
1719-03-5	Chrysene-d12	875000	21.592				
1520-96-3	Perylene-d12	1000000	24.916				

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

Report of Analysis

Client:	Nobis Group	Date Collected:	05/01/25
Project:	Raymark Superfund Site	Date Received:	05/01/25
Client Sample ID:	MH-QMS	SDG No.:	Q1883
Lab Sample ID:	Q1928-01MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	87.1
Sample Wt/Vol:	50.04 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024561.D	1	05/02/25 10:10	05/07/25 12:56	PB167836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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\BP050725\
Data File : BP024561.D
Acq On : 07 May 2025 12:56
Operator : RC/JU
Sample : Q1928-01MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Quant Time: May 07 13:19:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.699	152	148768	20.000	ng		-0.02
21) Naphthalene-d8	10.475	136	581624	20.000	ng		-0.02
39) Acenaphthene-d10	14.340	164	368354	20.000	ng		-0.01
64) Phenanthrene-d10	17.139	188	744026	20.000	ng		0.00
76) Chrysene-d12	21.592	240	874999	20.000	ng		0.00
86) Perylene-d12	24.916	264	1004964	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.328	112	642006	71.355	ng		-0.02
7) Phenol-d6	6.899	99	824821	66.950	ng		-0.01
23) Nitrobenzene-d5	8.852	82	512925	50.286	ng		-0.02
42) 2,4,6-Tribromophenol	15.863	330	447361	87.780	ng		0.00
45) 2-Fluorobiphenyl	12.951	172	1076691	44.754	ng		-0.01
79) Terphenyl-d14	19.863	244	2101735	48.415	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.275	88	155606	40.887	ng		95
3) Pyridine	3.664	79	387543	38.564	ng		91
4) n-Nitrosodimethylamine	3.575	42	171746	51.496	ng	#	75
6) Aniline	7.046	93	563726	51.206	ng		98
8) 2-Chlorophenol	7.281	128	465894	46.378	ng		98
9) Benzaldehyde	6.858	77	178834	29.345	ng		96
10) Phenol	6.922	94	553339	44.773	ng		92
11) bis(2-Chloroethyl)ether	7.134	93	415052	41.682	ng		99
12) 1,3-Dichlorobenzene	7.593	146	489857	45.295	ng		99
13) 1,4-Dichlorobenzene	7.734	146	498460	45.427	ng		99
14) 1,2-Dichlorobenzene	8.052	146	472971	44.639	ng		99
15) Benzyl Alcohol	7.946	79	388425	48.752	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.222	45	453335	42.119	ng		99
17) 2-Methylphenol	8.152	107	373881	46.765	ng		98
18) Hexachloroethane	8.769	117	186319	46.985	ng		96
19) n-Nitroso-di-n-propyla...	8.505	70	304571	39.960	ng		94
20) 3+4-Methylphenols	8.481	107	511903	46.145	ng		98
22) Acetophenone	8.516	105	647991	45.013	ng	#	96
24) Nitrobenzene	8.893	77	455030	45.095	ng		98
25) Isophorone	9.416	82	865991	46.904	ng		98
26) 2-Nitrophenol	9.593	139	247825	50.187	ng		94
27) 2,4-Dimethylphenol	9.663	122	418404	67.481	ng		99
28) bis(2-Chloroethoxy)met...	9.887	93	526146	42.185	ng		99
29) 2,4-Dichlorophenol	10.140	162	419342	49.602	ng		99
30) 1,2,4-Trichlorobenzene	10.340	180	432457	47.743	ng		99
31) Naphthalene	10.522	128	1342005	43.802	ng		99
32) Benzoic acid	9.828	122	310617	42.993	ng		99
33) 4-Chloroaniline	10.646	127	520737	48.264	ng		98
34) Hexachlorobutadiene	10.805	225	272401	51.177	ng		99
35) Caprolactam	11.440	113	153282	49.138	ng		97
36) 4-Chloro-3-methylphenol	11.781	107	488390	49.597	ng		98
37) 2-Methylnaphthalene	12.134	142	858525	40.405	ng		98
38) 1-Methylnaphthalene	12.357	142	903066	43.445	ng		100
40) 1,2,4,5-Tetrachloroben...	12.510	216	476790	47.068	ng		98
41) Hexachlorocyclopentadiene	12.487	237	656895	183.355	ng		98
43) 2,4,6-Trichlorophenol	12.751	196	342860	50.908	ng		97

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050725\
Data File : BP024561.D
Acq On : 07 May 2025 12:56
Operator : RC/JU
Sample : Q1928-01MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Quant Time: May 07 13:19:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

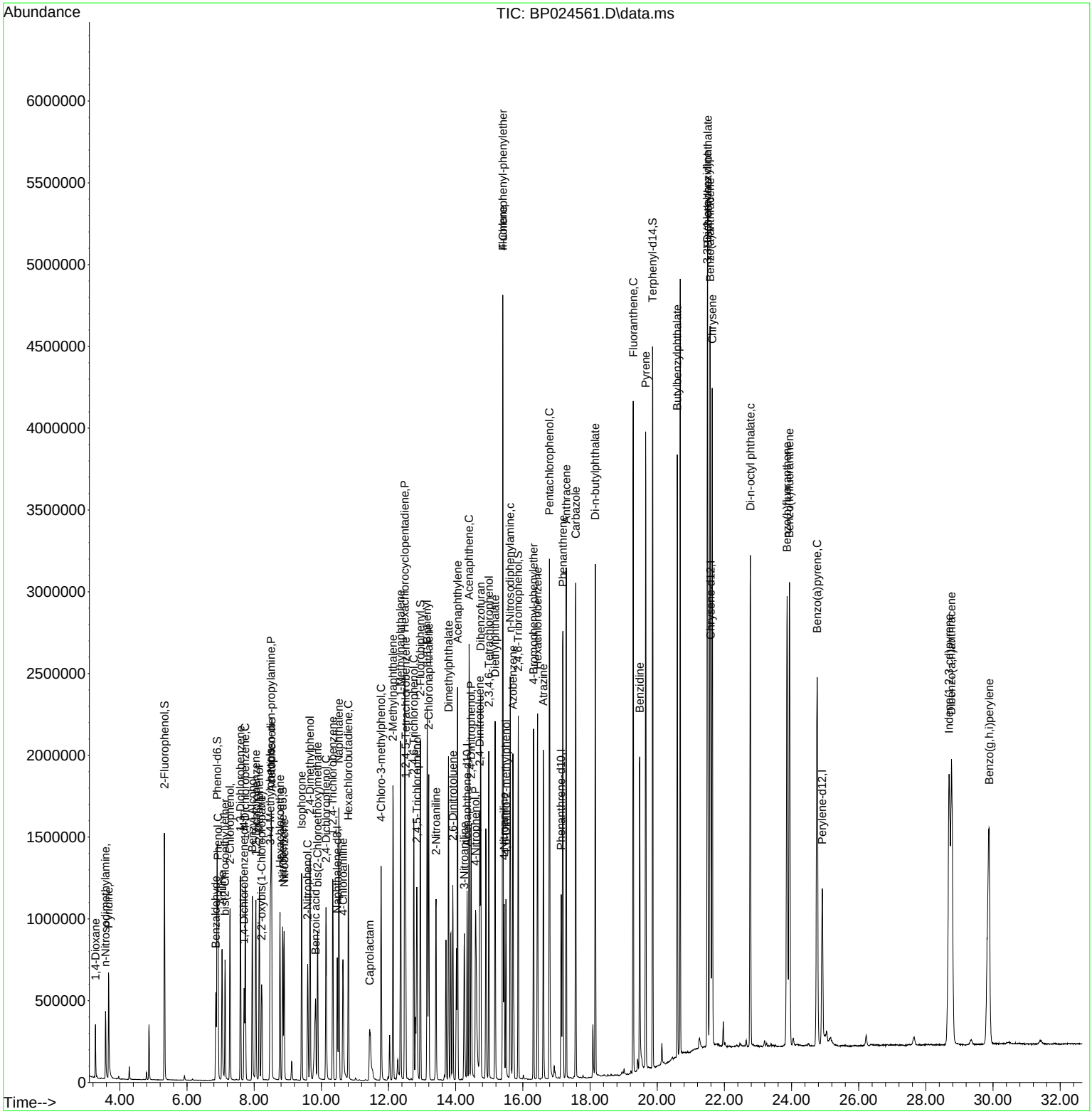
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	12.846	196	378881	50.802	ng		99
46)	1,1'-Biphenyl	13.151	154	1222360	45.146	ng		99
47)	2-Chloronaphthalene	13.198	162	932131	46.063	ng		98
48)	2-Nitroaniline	13.416	65	302822	53.348	ng		96
49)	Acenaphthylene	14.057	152	1563371	49.069	ng		99
50)	Dimethylphthalate	13.787	163	1262753	47.140	ng		100
51)	2,6-Dinitrotoluene	13.916	165	283490	49.838	ng		95
52)	Acenaphthene	14.398	154	890924	44.108	ng		99
53)	3-Nitroaniline	14.257	138	294792	49.309	ng		97
54)	2,4-Dinitrophenol	14.463	184	380562	113.579	ng		90
55)	Dibenzofuran	14.745	168	1441071	43.648	ng		95
56)	4-Nitrophenol	14.593	139	534338	103.488	ng		89
57)	2,4-Dinitrotoluene	14.716	165	418173	53.892	ng		98
58)	Fluorene	15.404	166	1173406	45.910	ng		99
59)	2,3,4,6-Tetrachlorophenol	14.987	232	349501	50.810	ng		99
60)	Diethylphthalate	15.175	149	1285868	46.581	ng		100
61)	4-Chlorophenyl-phenyle...	15.404	204	582955	46.970	ng		97
62)	4-Nitroaniline	15.445	138	323084	51.049	ng		89
63)	Azobenzene	15.704	77	1189672	46.889	ng		96
65)	4,6-Dinitro-2-methylph...	15.498	198	248533	52.983	ng		96
66)	n-Nitrosodiphenylamine	15.622	169	1030824	46.418	ng		100
67)	4-Bromophenyl-phenylether	16.316	248	398843	49.014	ng		98
68)	Hexachlorobenzene	16.439	284	495234	51.217	ng		99
69)	Atrazine	16.610	200	384693	68.014	ng		99
70)	Pentachlorophenol	16.792	266	677426	100.425	ng		100
71)	Phenanthrene	17.192	178	1882748	46.386	ng		99
72)	Anthracene	17.292	178	1916566	48.993	ng		100
73)	Carbazole	17.575	167	1848797	48.369	ng		98
74)	Di-n-butylphthalate	18.157	149	2377814	49.933	ng		100
75)	Fluoranthene	19.286	202	2295232	47.546	ng		97
77)	Benzidine	19.481	184	1252551	112.930	ng		99
78)	Pyrene	19.657	202	2373916	42.691	ng		99
80)	Butylbenzylphthalate	20.598	149	1149884	48.278	ng		99
81)	Benzo(a)anthracene	21.575	228	2578474	47.410	ng		100
82)	3,3'-Dichlorobenzidine	21.492	252	915952	47.983	ng		98
83)	Chrysene	21.639	228	2360029	45.294	ng		99
84)	Bis(2-ethylhexyl)phtha...	21.504	149	1653841	47.366	ng	#	99
85)	Di-n-octyl phthalate	22.774	149	2848693	50.185	ng		99
87)	Indeno(1,2,3-cd)pyrene	28.686	276	3429290	49.152	ng		92
88)	Benzo(b)fluoranthene	23.869	252	2763803	45.881	ng	#	97
89)	Benzo(k)fluoranthene	23.939	252	2725565	46.842	ng		98
90)	Benzo(a)pyrene	24.763	252	2596972	49.979	ng	#	97
91)	Dibenzo(a,h)anthracene	28.762	278	2798649	48.327	ng		96
92)	Benzo(g,h,i)perylene	29.886	276	2716757	46.090	ng	#	94

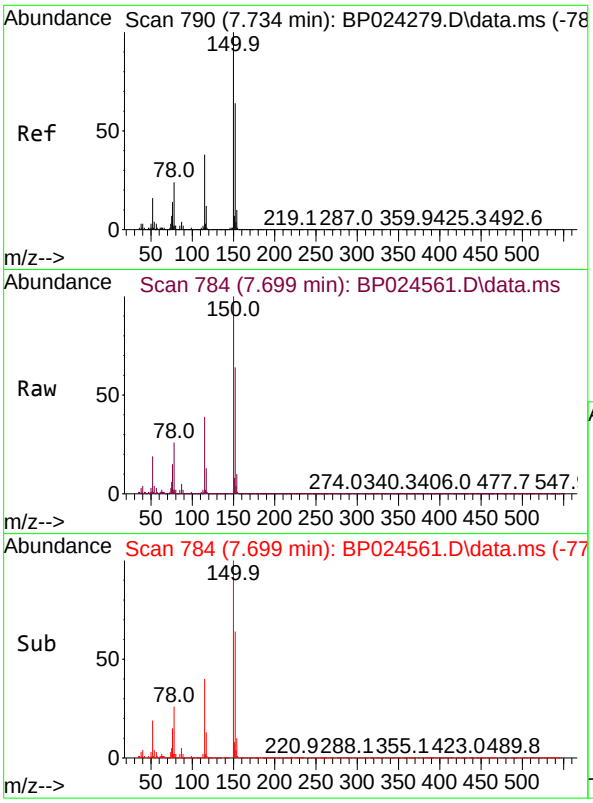
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050725\
Data File : BP024561.D
Acq On : 07 May 2025 12:56
Operator : RC/JU
Sample : Q1928-01MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Quant Time: May 07 13:19:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration



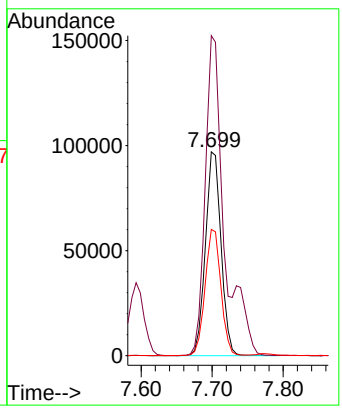


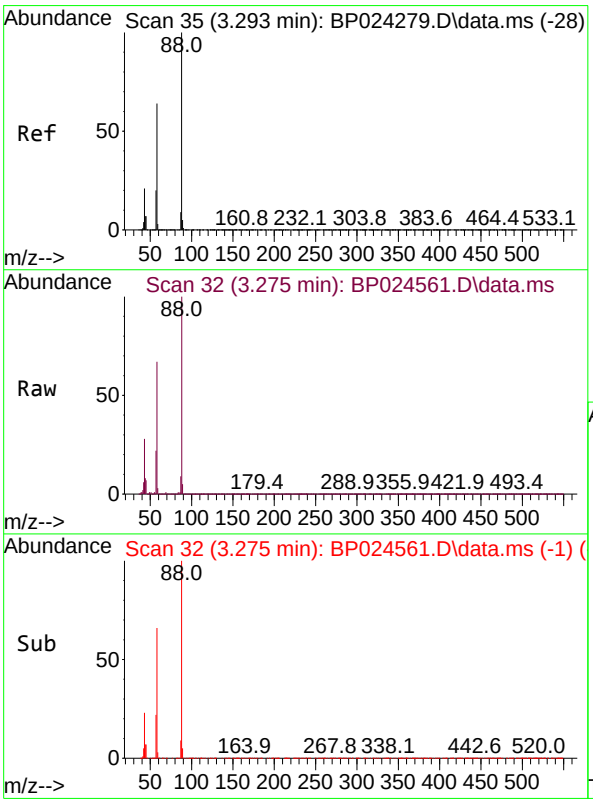
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.699 min Scan# 7
Delta R.T. -0.023 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion:152 Resp: 148768

Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.9	187.3
115	61.9	47.7	71.5

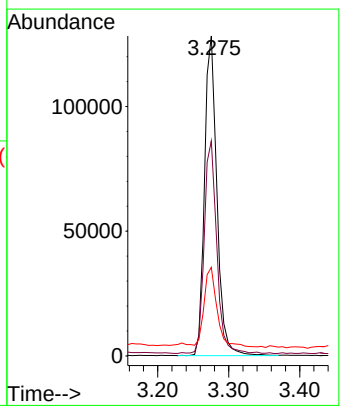


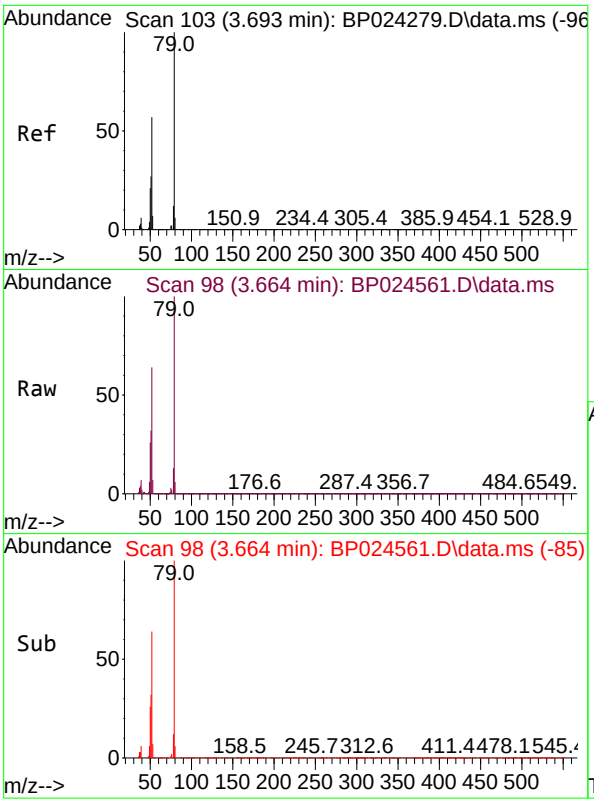


#2
1,4-Dioxane
Concen: 40.887 ng
RT: 3.275 min Scan# 32
Delta R.T. -0.012 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion: 88 Resp: 155606

Ion	Ratio	Lower	Upper
88	100		
58	67.0	51.4	77.2
43	25.6	17.1	25.7



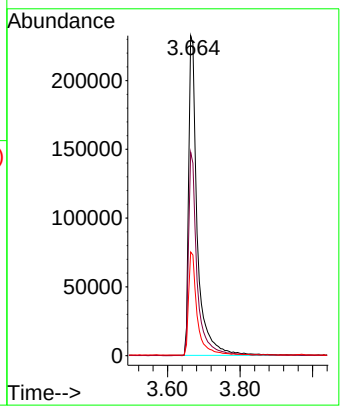


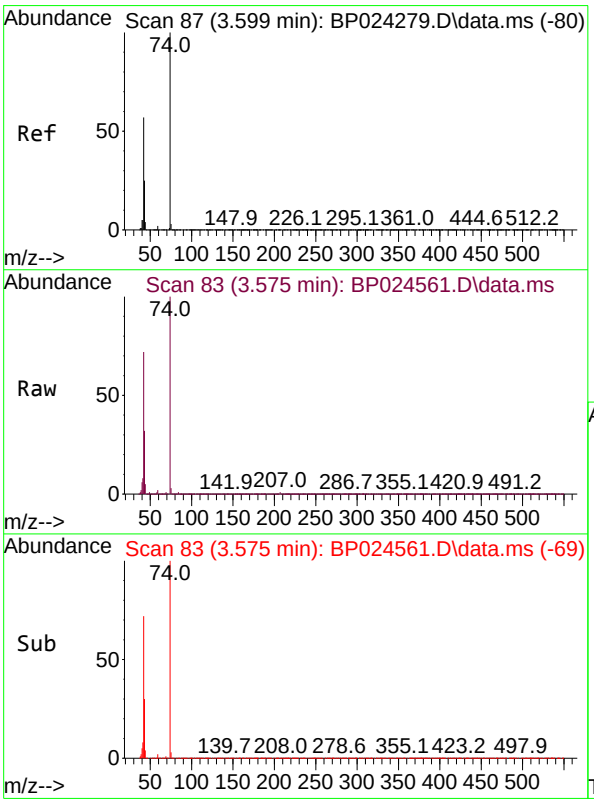
#3
Pyridine
Concen: 38.564 ng
RT: 3.664 min Scan# 9
Delta R.T. -0.023 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion: 79 Resp: 387543

Ion	Ratio	Lower	Upper
79	100		
52	63.5	45.4	68.2
51	32.4	22.6	33.8

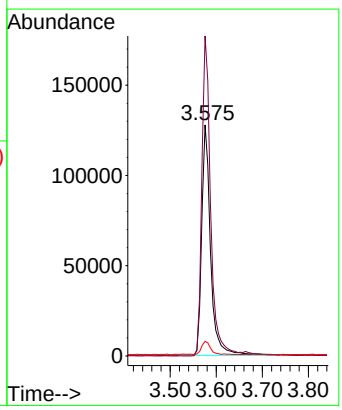


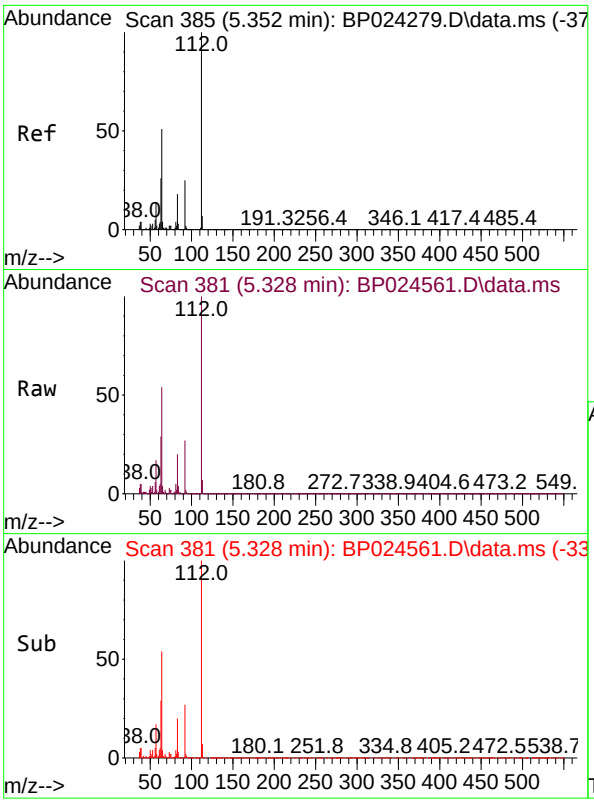


#4
n-Nitrosodimethylamine
Concen: 51.496 ng
RT: 3.575 min Scan# 83
Delta R.T. -0.018 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion: 42 Resp: 171746

Ion	Ratio	Lower	Upper
42	100		
74	138.5	139.5	209.3#
44	6.3	5.8	8.8



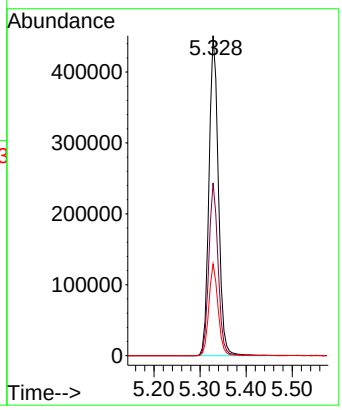


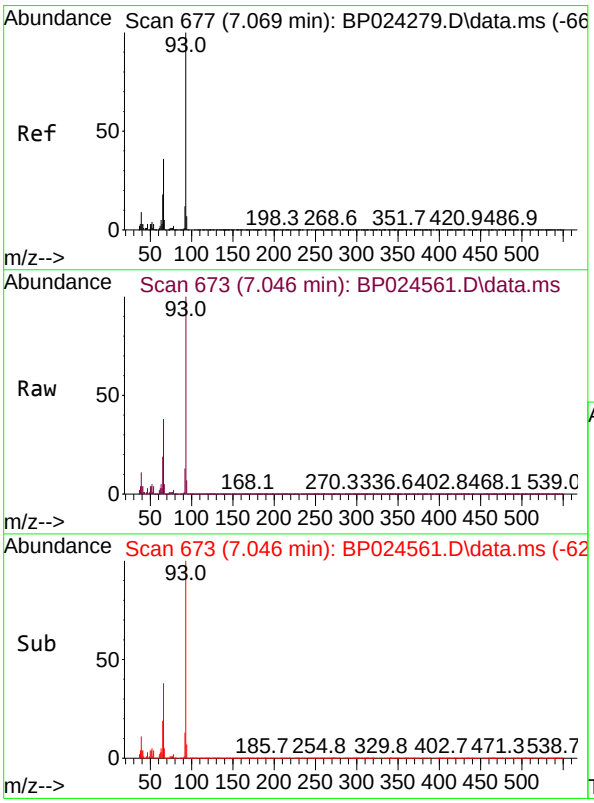
#5
2-Fluorophenol
Concen: 71.355 ng
RT: 5.328 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion:112 Resp: 642006

Ion	Ratio	Lower	Upper
112	100		
64	54.0	41.1	61.7
63	28.7	20.6	30.8

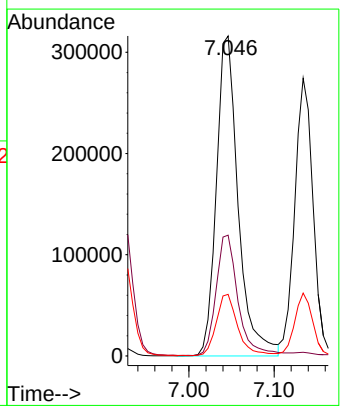


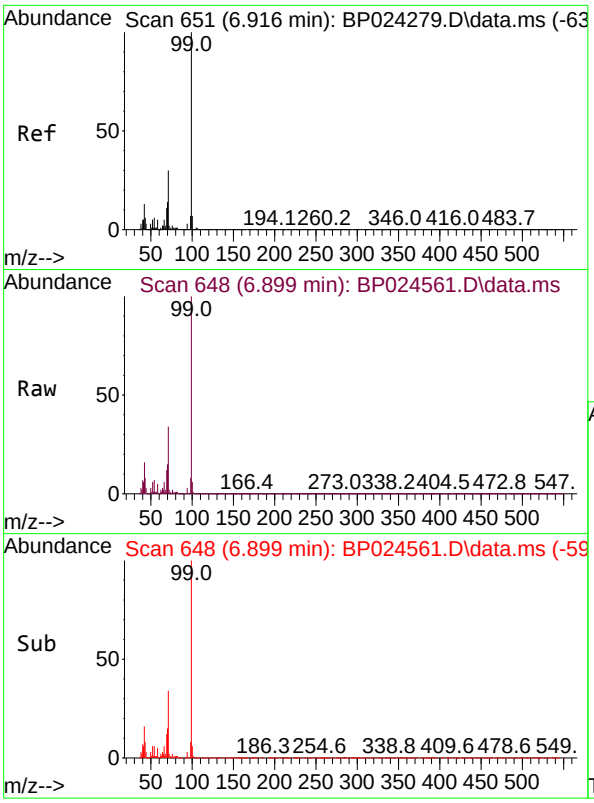


#6
Aniline
Concen: 51.206 ng
RT: 7.046 min Scan# 673
Delta R.T. -0.017 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion: 93 Resp: 563726

Ion	Ratio	Lower	Upper
93	100		
66	37.8	29.1	43.7
65	19.2	14.7	22.1



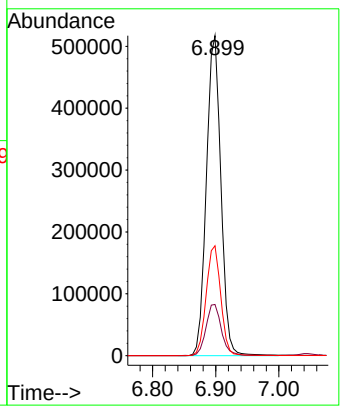


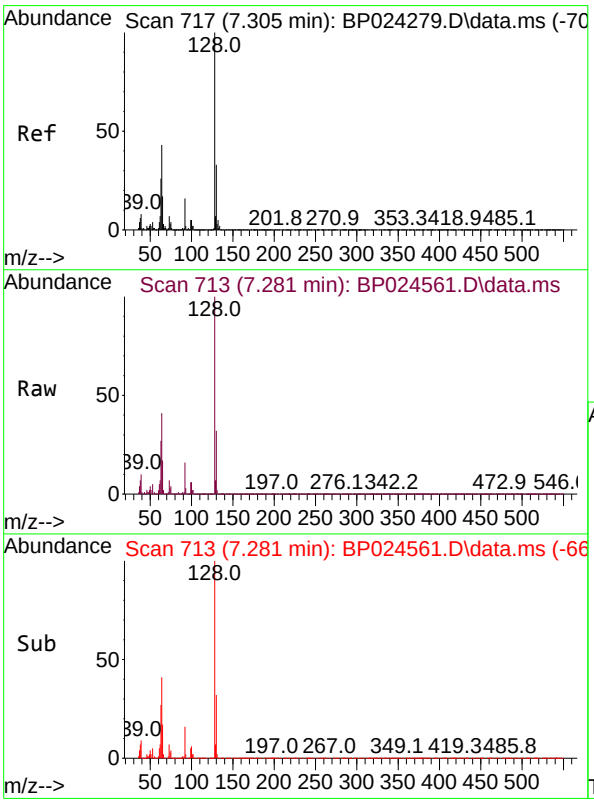
#7
Phenol-d6
Concen: 66.950 ng
RT: 6.899 min Scan# 64
Delta R.T. -0.012 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion: 99 Resp: 824821

Ion	Ratio	Lower	Upper
99	100		
42	16.0	10.6	16.0#
71	34.3	23.7	35.5

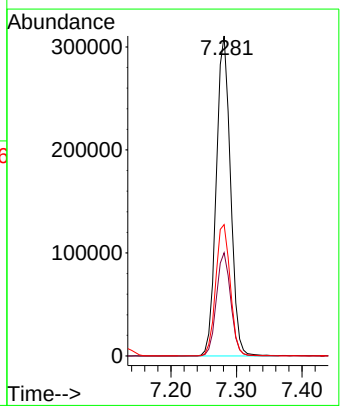


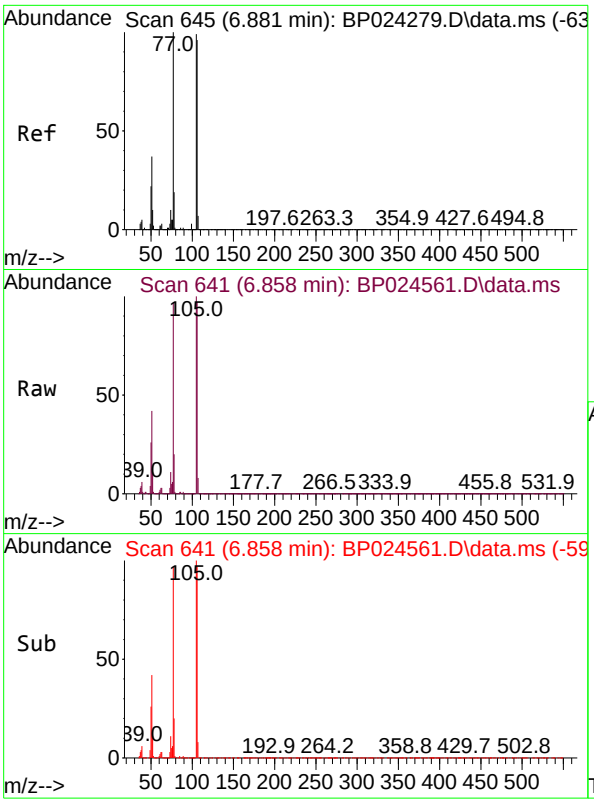


#8
2-Chlorophenol
Concen: 46.378 ng
RT: 7.281 min Scan# 713
Delta R.T. -0.017 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion:128 Resp: 465894

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.9	52.9
64	41.1	22.7	62.7



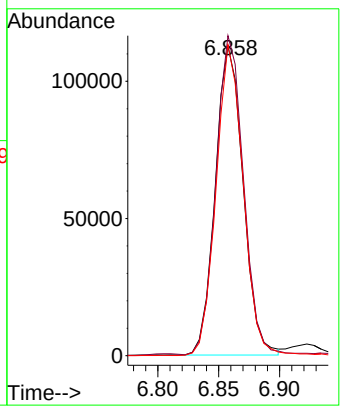


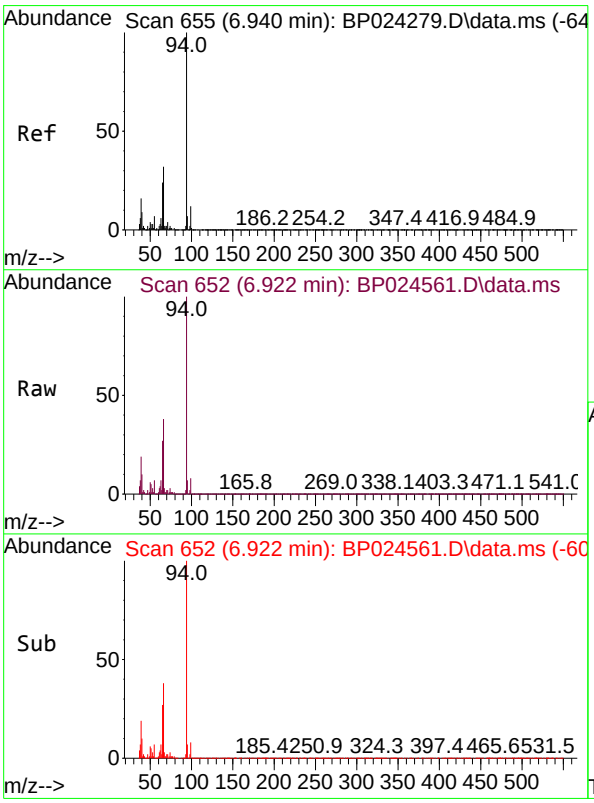
#9
Benzaldehyde
Concen: 29.345 ng
RT: 6.858 min Scan# 64
Delta R.T. -0.023 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion: 77 Resp: 178834

Ion	Ratio	Lower	Upper
77	100		
105	103.4	79.2	119.2
106	100.5	76.2	116.2

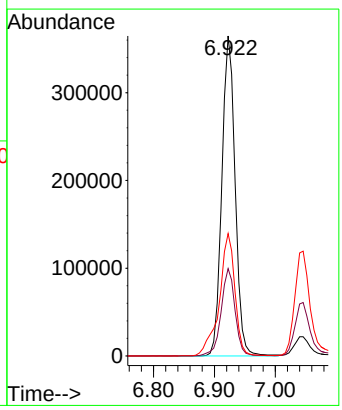


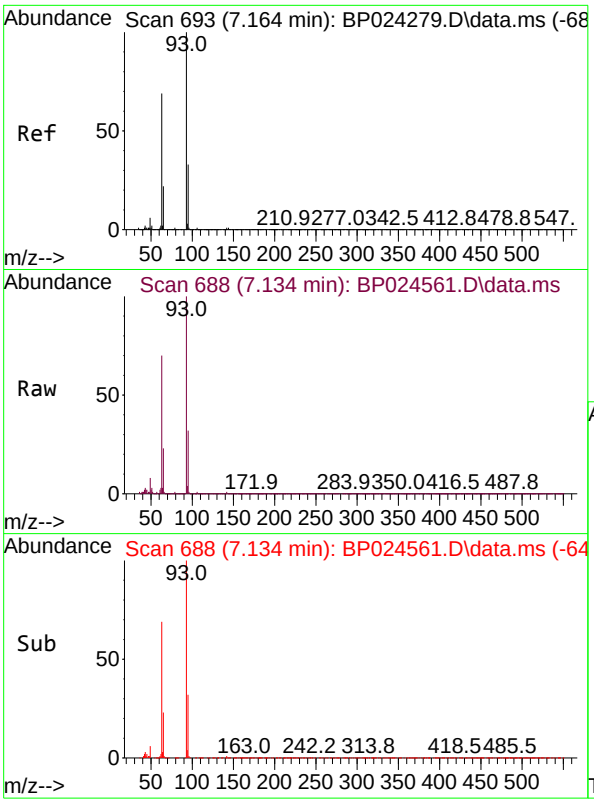


#10
Phenol
Concen: 44.773 ng
RT: 6.922 min Scan# 652
Delta R.T. -0.018 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion: 94 Resp: 553339

Ion	Ratio	Lower	Upper
94	100		
65	27.3	4.5	44.5
66	38.2	12.4	52.4



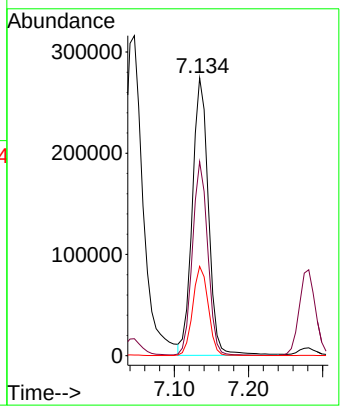


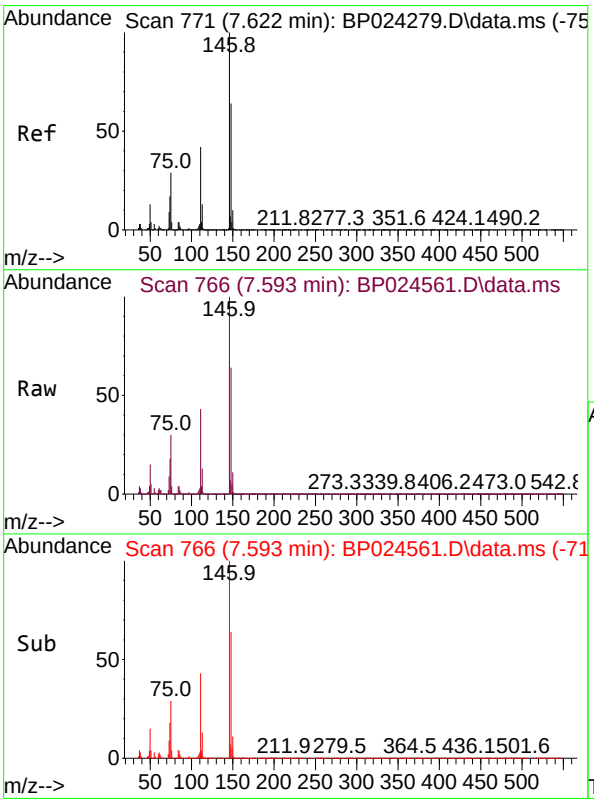
#11
bis(2-Chloroethyl)ether
Concen: 41.682 ng
RT: 7.134 min Scan# 6
Delta R.T. -0.023 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion: 93 Resp: 415052

Ion	Ratio	Lower	Upper
93	100		
63	69.8	48.6	88.6
95	32.2	12.3	52.3

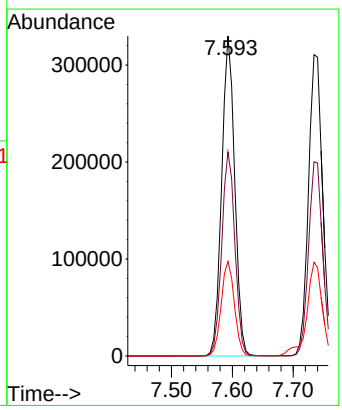


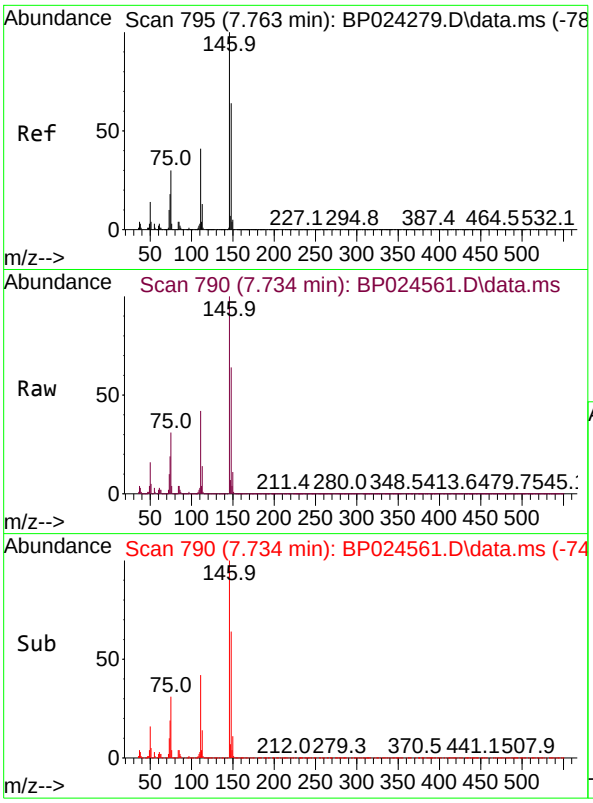


#12
1,3-Dichlorobenzene
Concen: 45.295 ng
RT: 7.593 min Scan# 766
Delta R.T. -0.023 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion:146 Resp: 489857

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.4	77.0
75	29.5	22.9	34.3



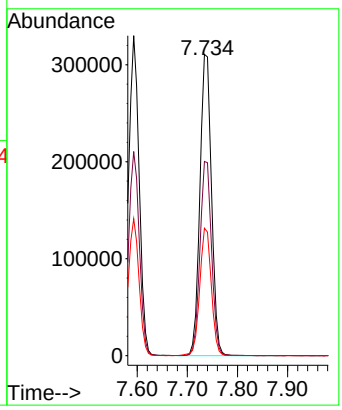


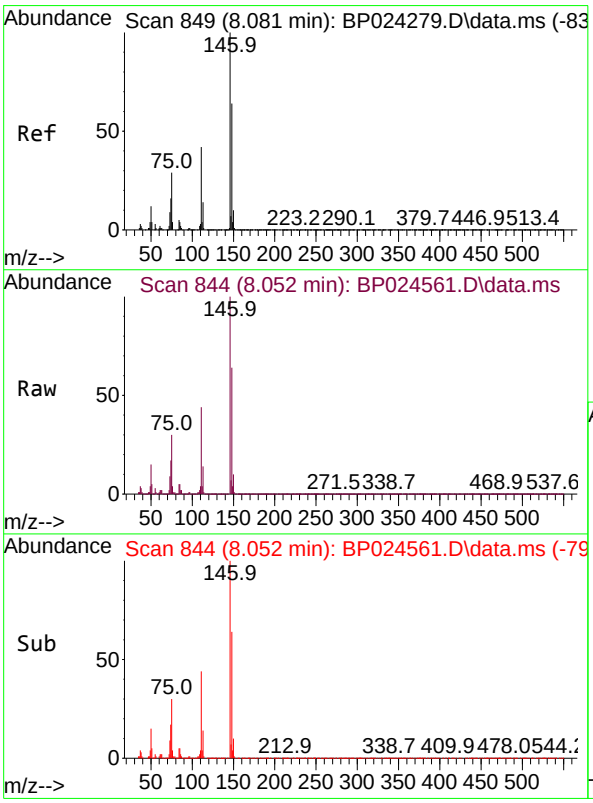
#13
1,4-Dichlorobenzene
Concen: 45.427 ng
RT: 7.734 min Scan# 7
Delta R.T. -0.023 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion:146 Resp: 498460

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.1	76.7
111	42.3	32.6	48.8

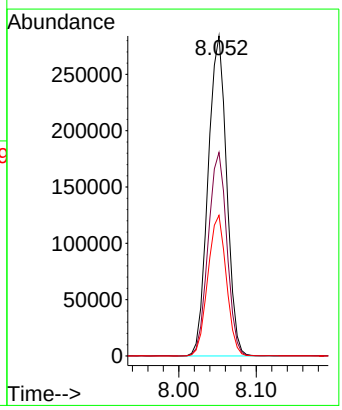


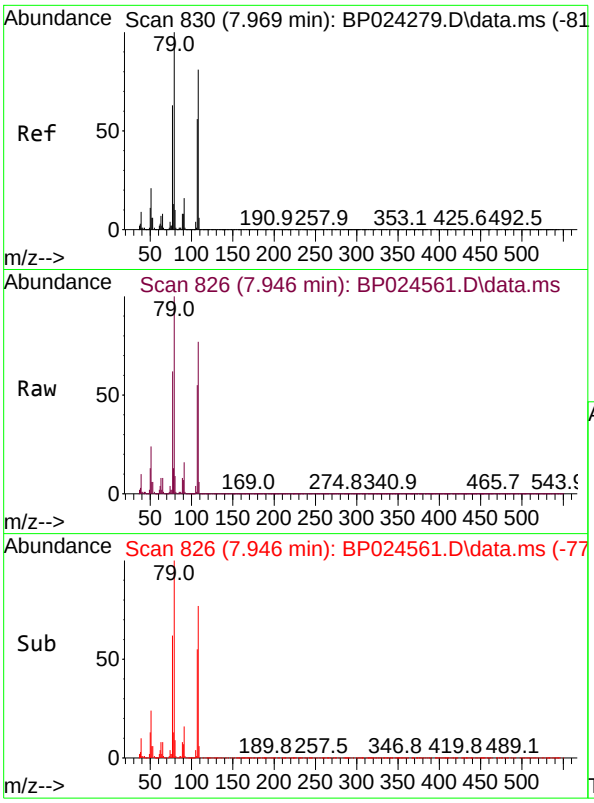


#14
1,2-Dichlorobenzene
Concen: 44.639 ng
RT: 8.052 min Scan# 844
Delta R.T. -0.023 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion:146 Resp: 472971

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.0	76.4
111	44.0	33.8	50.8



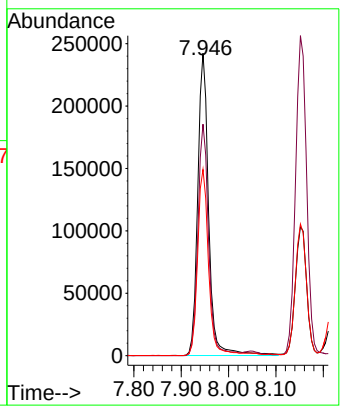


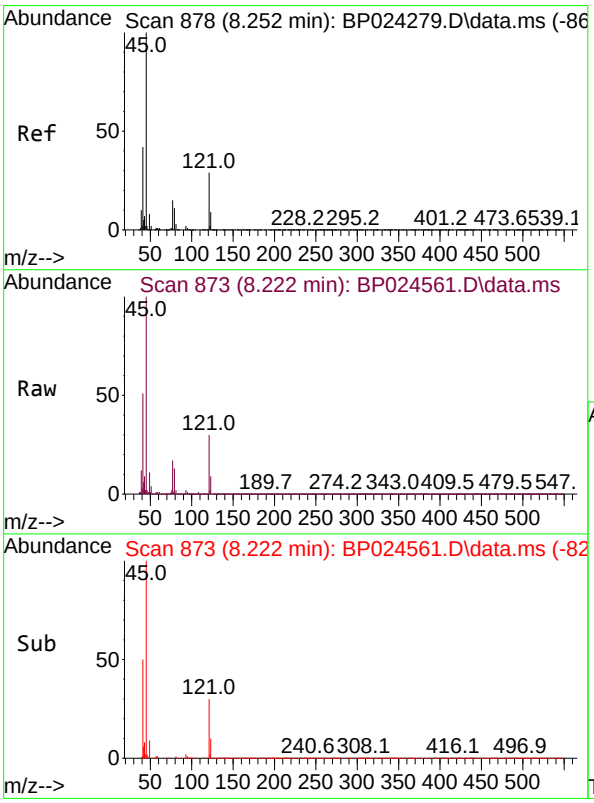
#15
Benzyl Alcohol
Concen: 48.752 ng
RT: 7.946 min Scan# 8
Delta R.T. -0.017 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion: 79 Resp: 388425

Ion	Ratio	Lower	Upper
79	100		
108	76.6	65.1	97.7
77	61.6	50.7	76.1

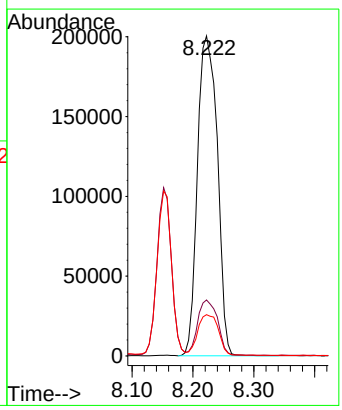


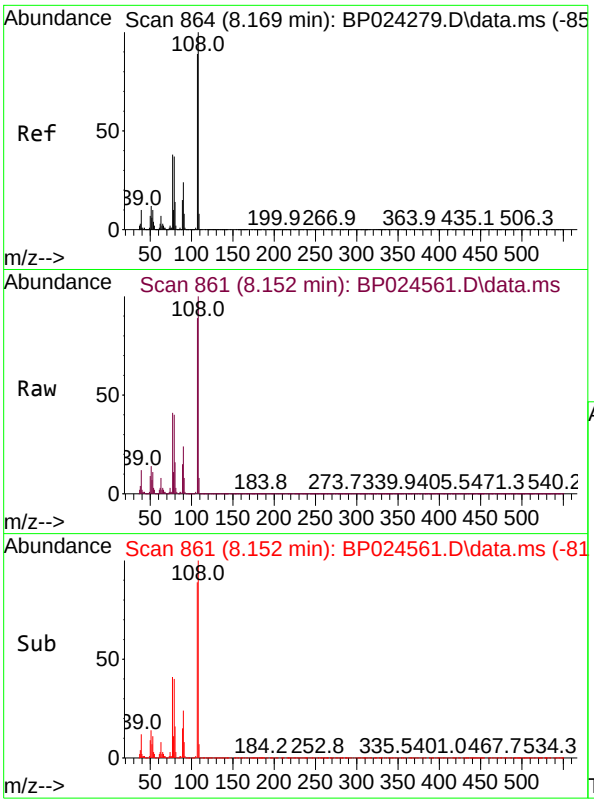


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.119 ng
RT: 8.222 min Scan# 873
Delta R.T. -0.023 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion: 45 Resp: 453335

Ion	Ratio	Lower	Upper
45	100		
77	17.5	0.0	37.7
79	12.9	0.0	33.5



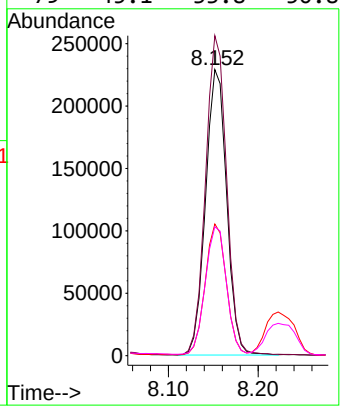


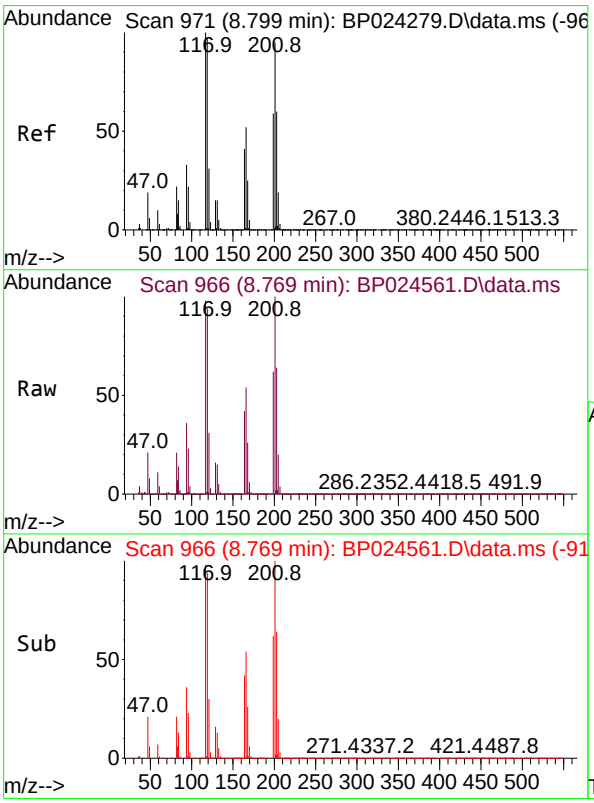
#17
2-Methylphenol
Concen: 46.765 ng
RT: 8.152 min Scan# 8
Delta R.T. -0.017 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion:107 Resp: 373881

Ion	Ratio	Lower	Upper
107	100		
108	111.8	89.8	134.6
77	46.0	34.2	51.4
79	45.1	33.8	50.8

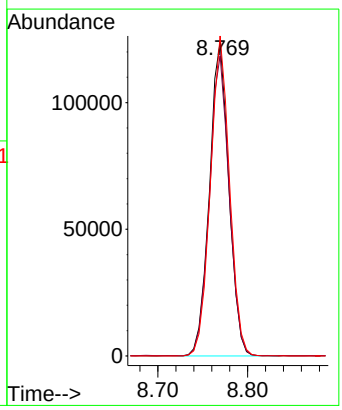


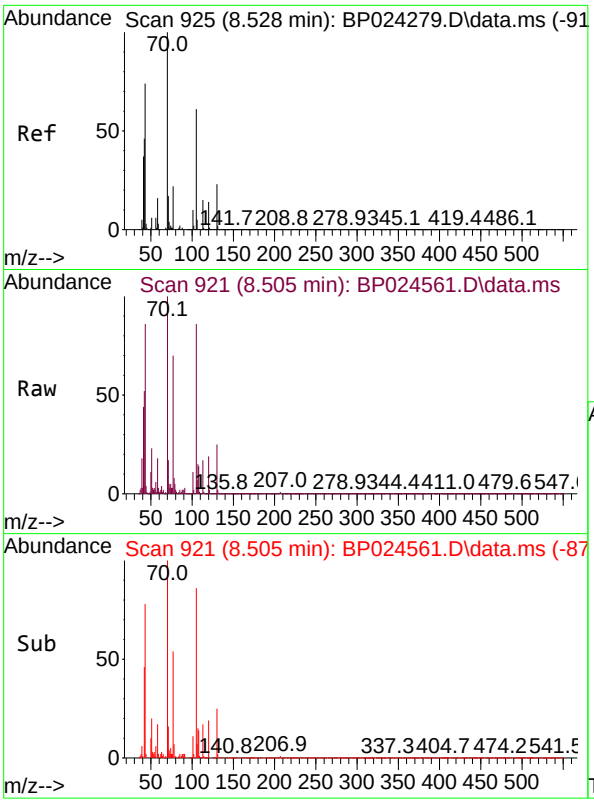


#18
Hexachloroethane
Concen: 46.985 ng
RT: 8.769 min Scan# 966
Delta R.T. -0.023 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion:117 Resp: 186319

Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.8	116.6
201	101.9	75.9	113.9



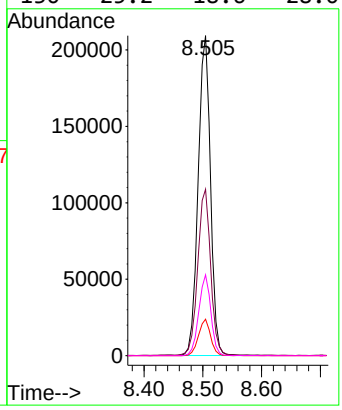


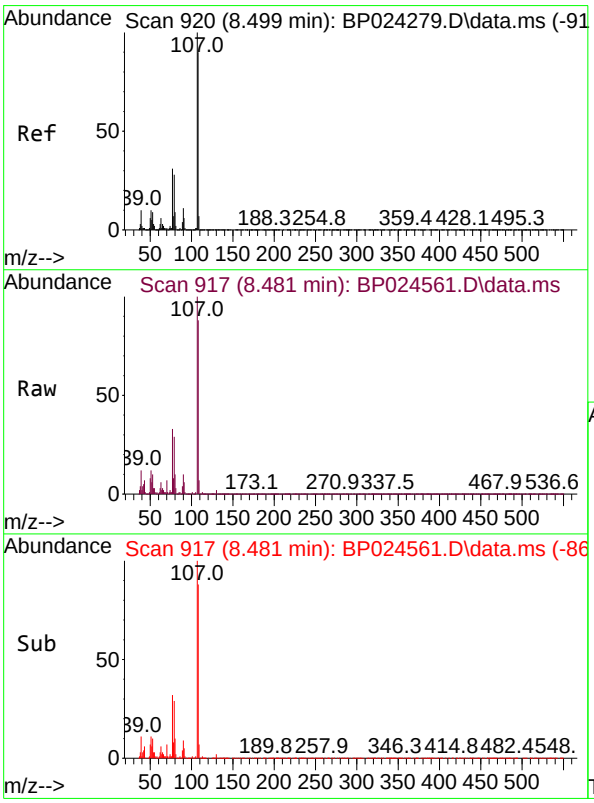
#19
n-Nitroso-di-n-propylamine
Concen: 39.960 ng
RT: 8.505 min Scan# 9
Delta R.T. -0.018 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion: 70 Resp: 304571

Ion	Ratio	Lower	Upper
70	100		
42	52.0	37.3	55.9
101	11.4	8.2	12.4
130	25.2	18.6	28.0

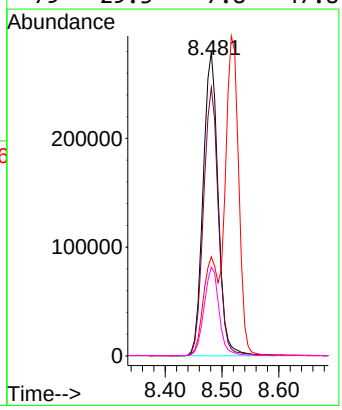


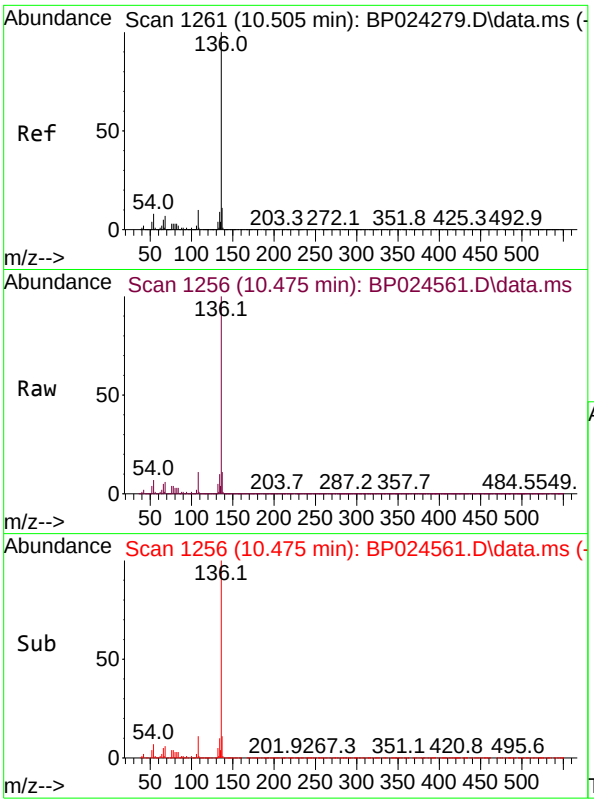


#20
3+4-Methylphenols
Concen: 46.145 ng
RT: 8.481 min Scan# 917
Delta R.T. -0.012 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion:107 Resp: 511903

Ion	Ratio	Lower	Upper
107	100		
108	88.2	69.8	109.8
77	32.6	11.5	51.5
79	29.3	7.8	47.8



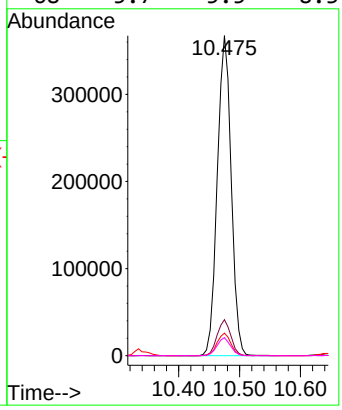


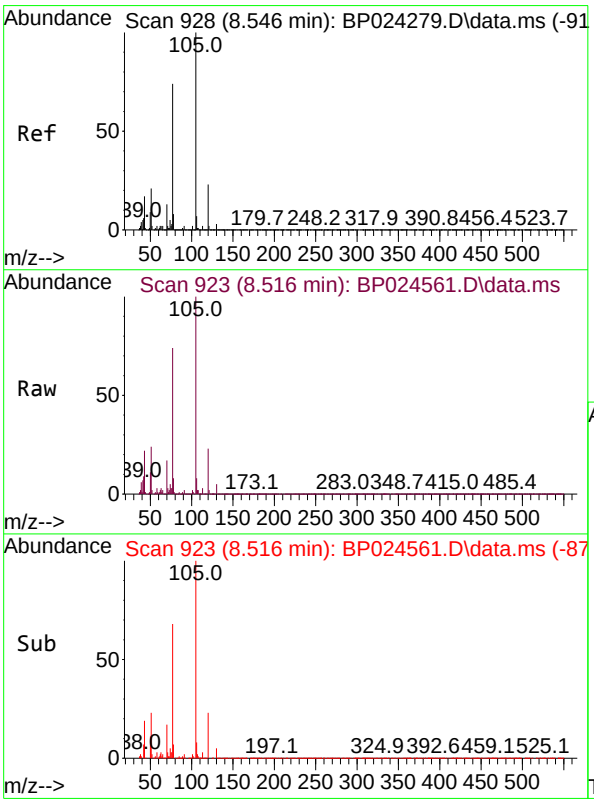
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.475 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion:136 Resp: 581624

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	7.0	6.0	9.0
68	5.7	5.5	8.3

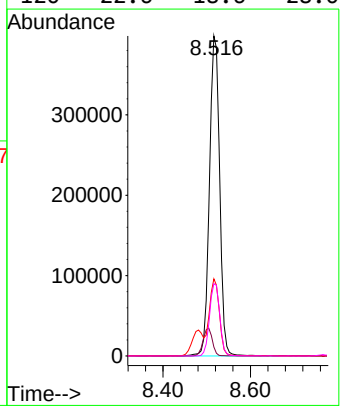


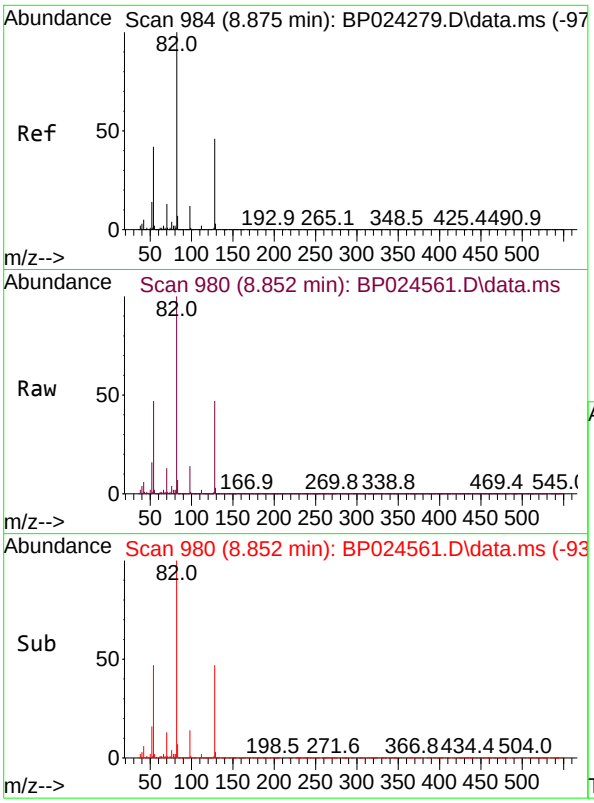


#22
Acetophenone
Concen: 45.013 ng
RT: 8.516 min Scan# 923
Delta R.T. -0.023 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion:105 Resp: 647991

Ion	Ratio	Lower	Upper
105	100		
71	2.8	1.7	2.5#
51	24.1	16.9	25.3
120	22.6	18.6	28.0



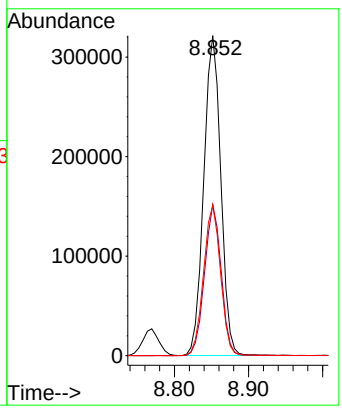


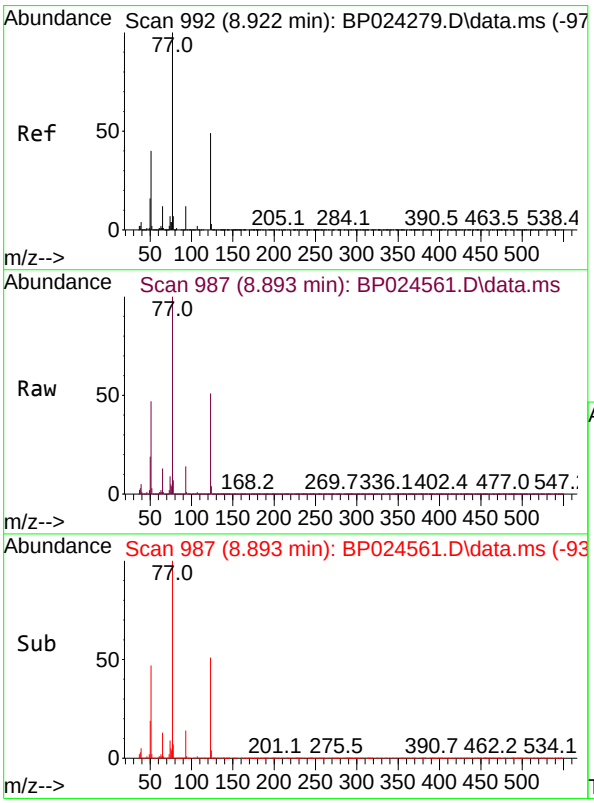
#23
Nitrobenzene-d5
Concen: 50.286 ng
RT: 8.852 min Scan# 9
Delta R.T. -0.017 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion: 82 Resp: 512925

Ion	Ratio	Lower	Upper
82	100		
128	47.2	36.5	54.7
54	47.0	33.4	50.2

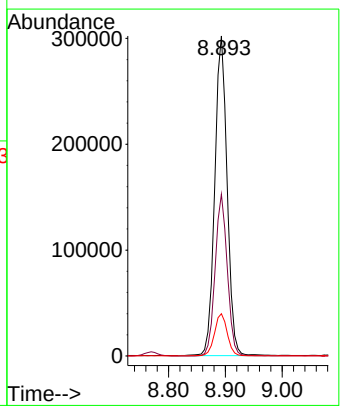


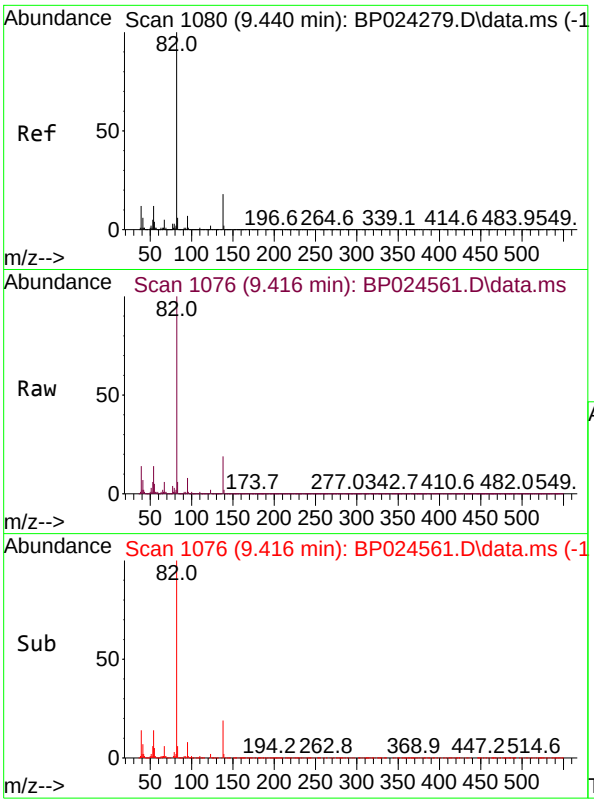


#24
Nitrobenzene
Concen: 45.095 ng
RT: 8.893 min Scan# 987
Delta R.T. -0.018 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion: 77 Resp: 455030

Ion	Ratio	Lower	Upper
77	100		
123	50.5	39.2	58.8
65	13.2	9.8	14.6



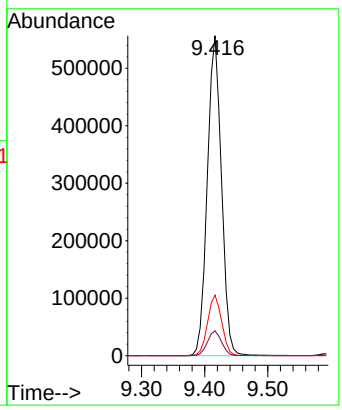


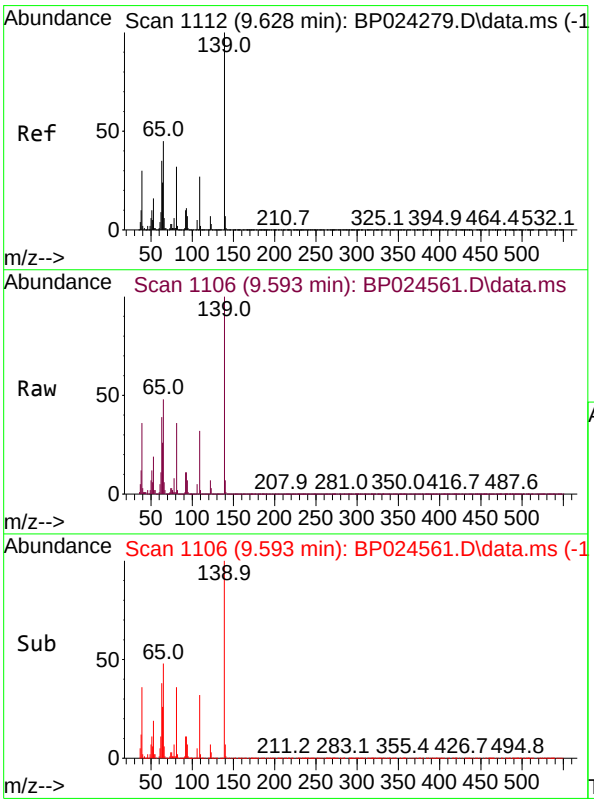
#25
Isophorone
Concen: 46.904 ng
RT: 9.416 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion: 82 Resp: 865991

Ion	Ratio	Lower	Upper
82	100		
95	7.7	5.4	8.2
138	19.0	14.4	21.6

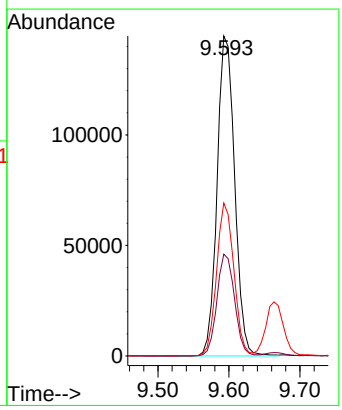


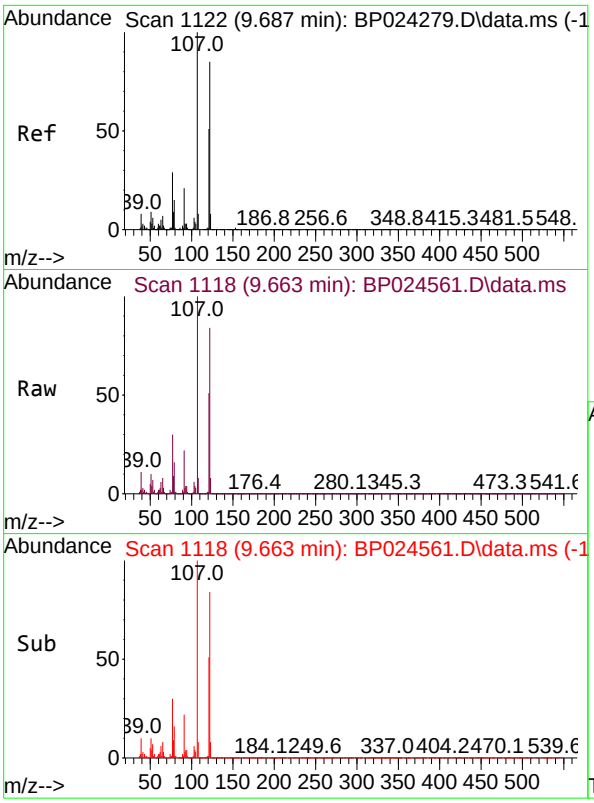


#26
2-Nitrophenol
Concen: 50.187 ng
RT: 9.593 min Scan# 1106
Delta R.T. -0.023 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion:139 Resp: 247825

Ion	Ratio	Lower	Upper
139	100		
109	31.8	21.8	32.6
65	47.8	36.2	54.2



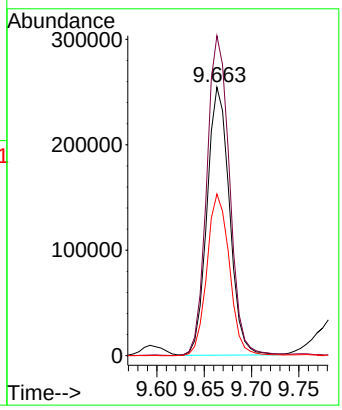


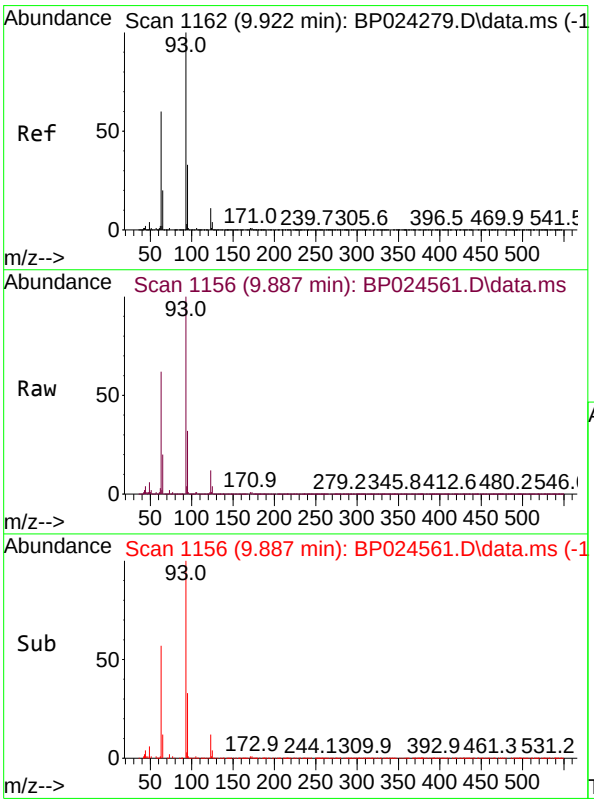
#27
2,4-Dimethylphenol
Concen: 67.481 ng
RT: 9.663 min Scan# 11
Delta R.T. -0.018 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion:122 Resp: 418404

Ion	Ratio	Lower	Upper
122	100		
107	119.2	93.7	140.5
121	60.2	48.2	72.2

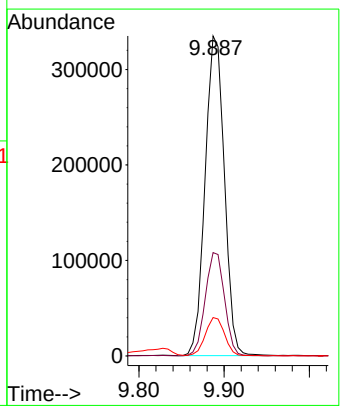


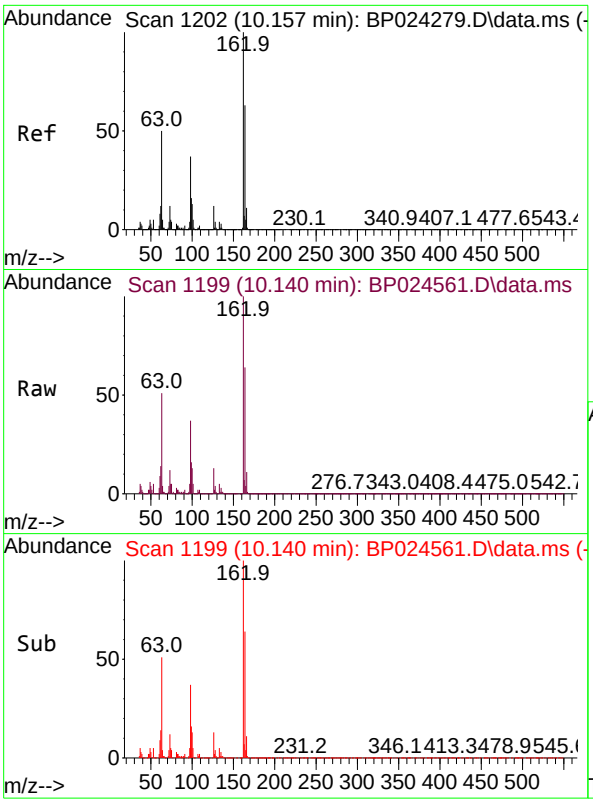


#28
bis(2-Chloroethoxy)methane
Concen: 42.185 ng
RT: 9.887 min Scan# 1156
Delta R.T. -0.023 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion: 93 Resp: 526146

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.0	39.0
123	12.0	9.1	13.7



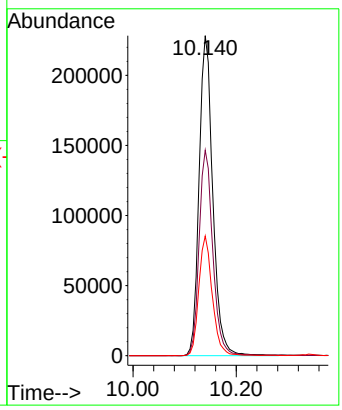


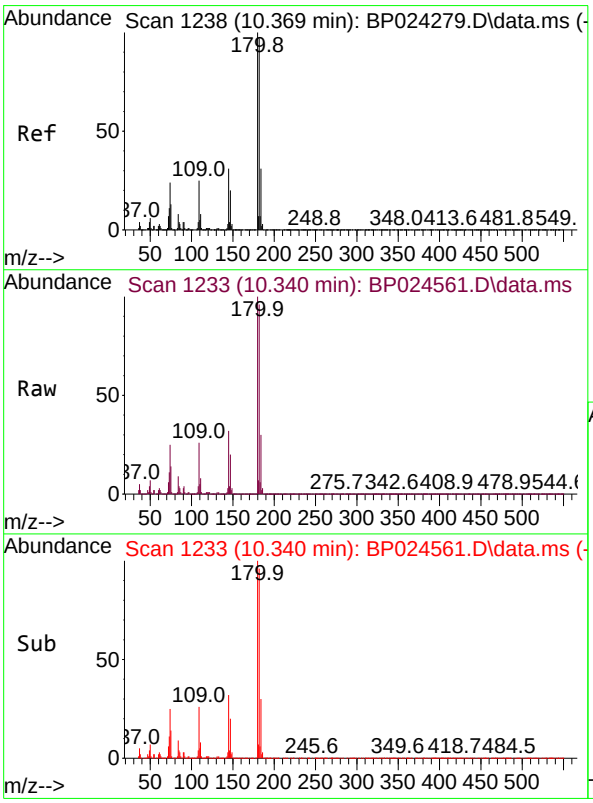
#29
2,4-Dichlorophenol
Concen: 49.602 ng
RT: 10.140 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion:162 Resp: 419342

Ion	Ratio	Lower	Upper
162	100		
164	64.2	43.3	83.3
98	37.4	16.6	56.6

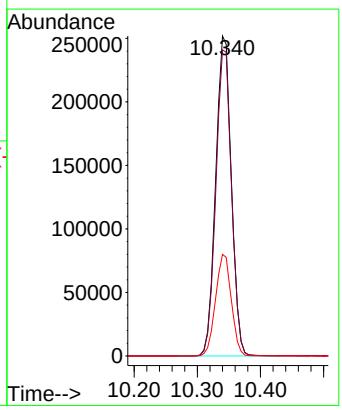


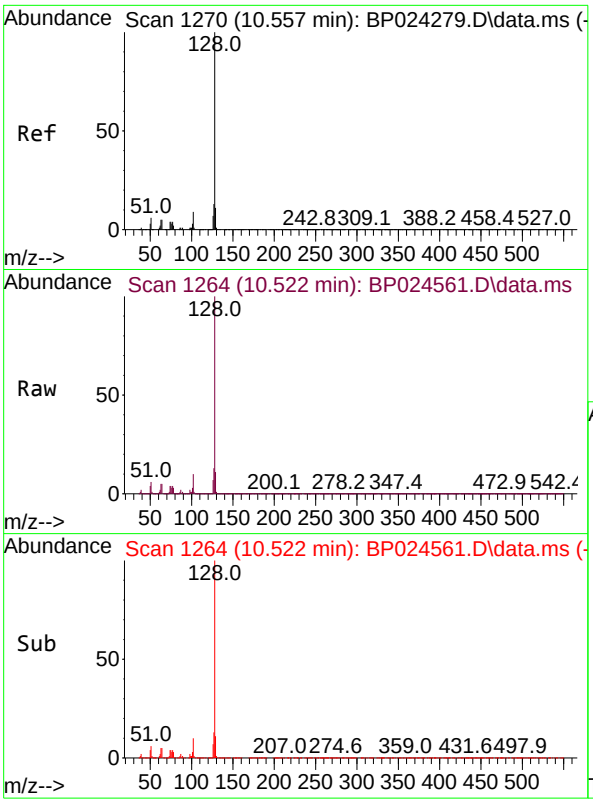


#30
1,2,4-Trichlorobenzene
Concen: 47.743 ng
RT: 10.340 min Scan# 1233
Delta R.T. -0.023 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion:180 Resp: 432457

Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.3	115.9
145	31.8	25.1	37.7



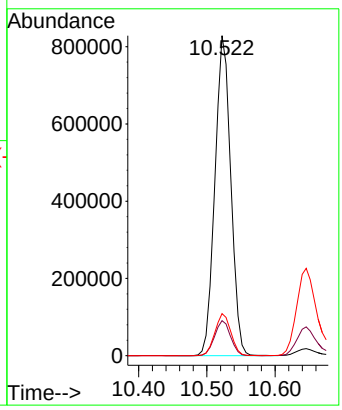


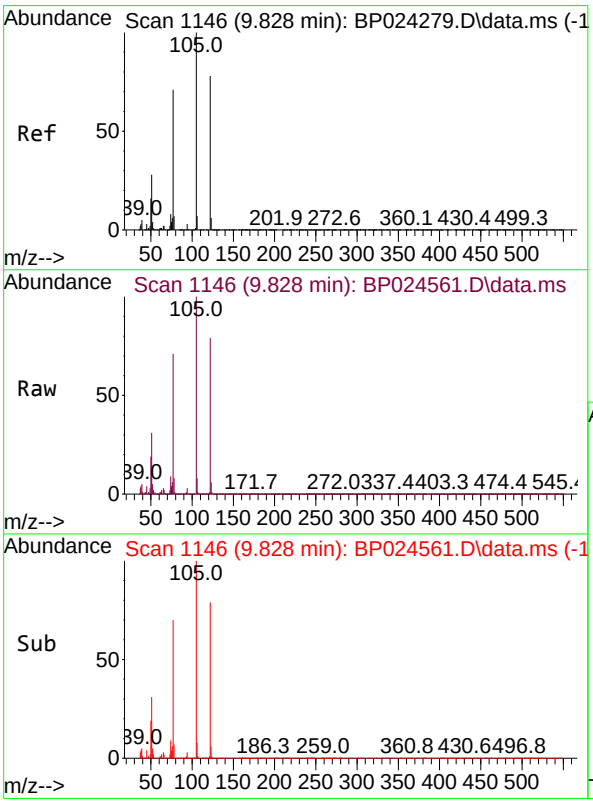
#31
Naphthalene
Concen: 43.802 ng
RT: 10.522 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion:128 Resp: 1342005

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	13.2	10.3	15.5

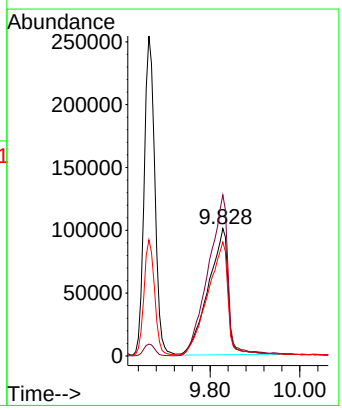


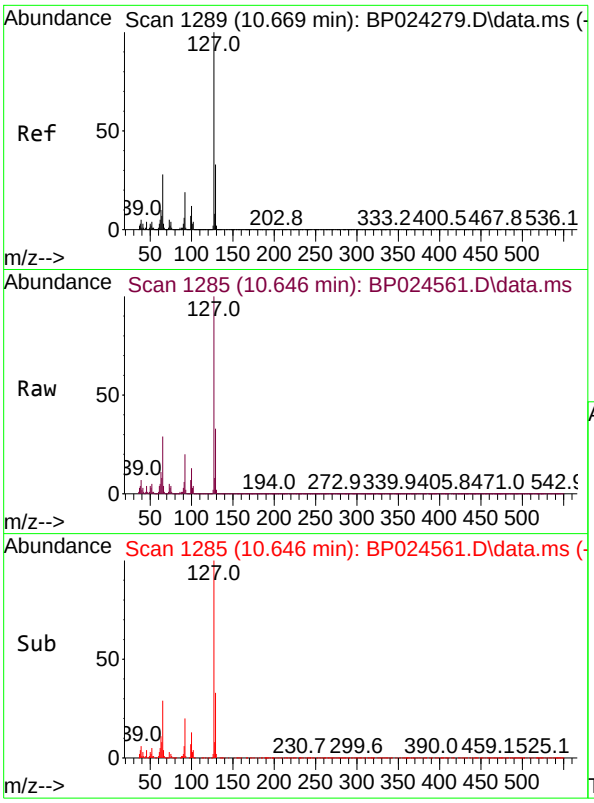


#32
Benzoic acid
Concen: 42.993 ng
RT: 9.828 min Scan# 1146
Delta R.T. 0.006 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion:122 Resp: 310617

Ion	Ratio	Lower	Upper
122	100		
105	126.4	104.8	144.8
77	89.3	69.2	109.2



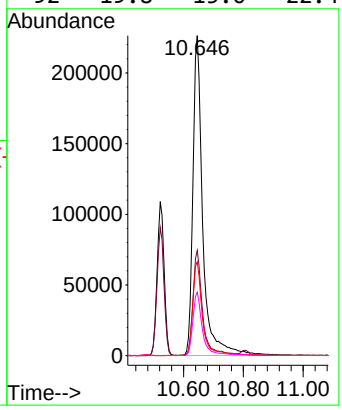


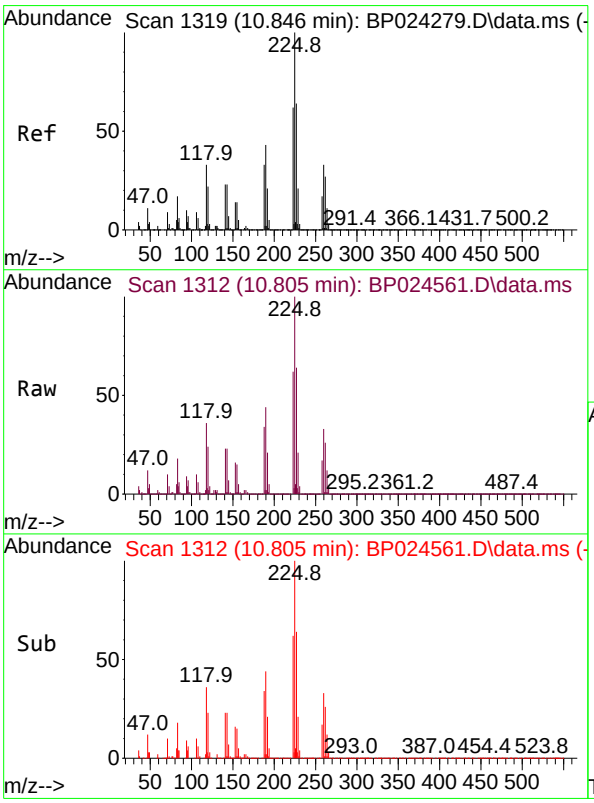
#33
4-Chloroaniline
Concen: 48.264 ng
RT: 10.646 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion:127 Resp: 520737

Ion	Ratio	Lower	Upper
127	100		
129	32.9	26.1	39.1
65	29.3	22.1	33.1
92	19.8	15.0	22.4

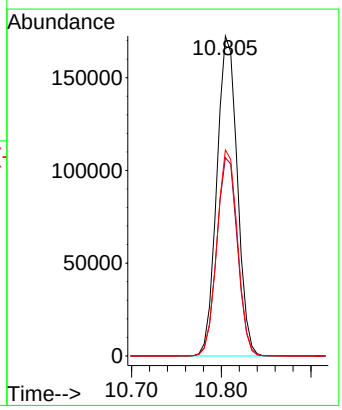


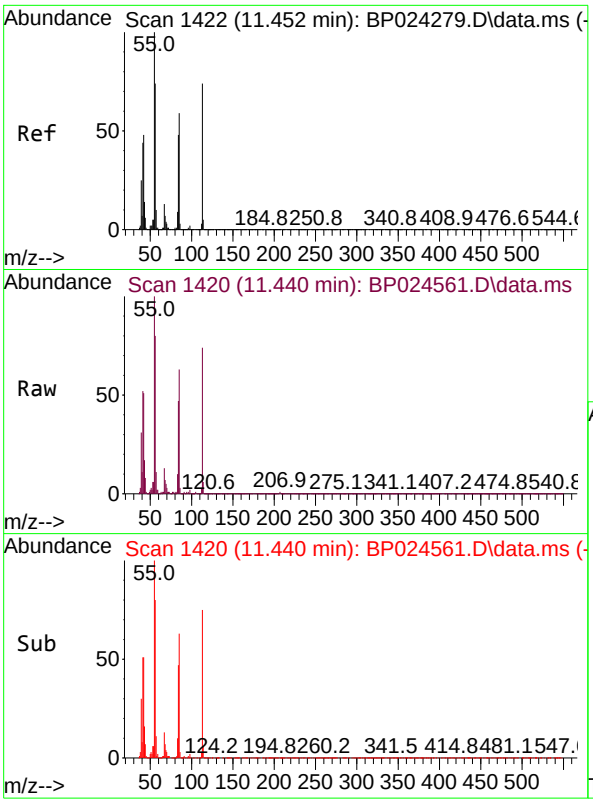


#34
Hexachlorobutadiene
Concen: 51.177 ng
RT: 10.805 min Scan# 1312
Delta R.T. -0.023 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion:225 Resp: 272401

Ion	Ratio	Lower	Upper
225	100		
223	62.0	49.5	74.3
227	64.4	50.9	76.3



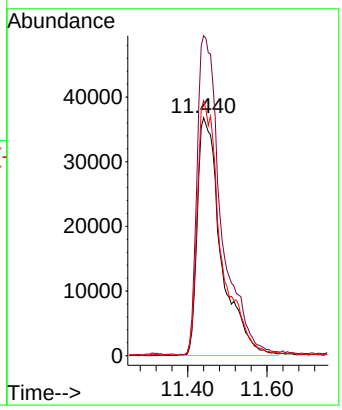


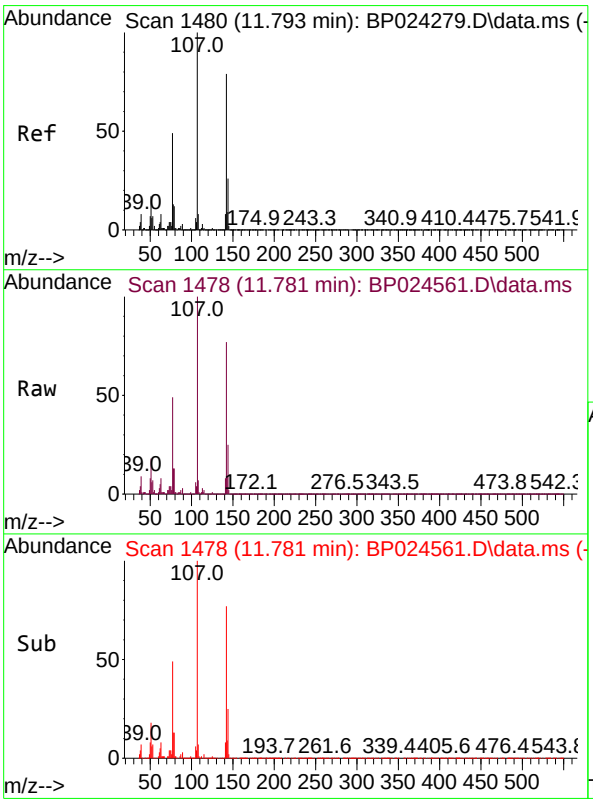
#35
Caprolactam
Concen: 49.138 ng
RT: 11.440 min Scan# 14
Delta R.T. -0.006 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion:113 Resp: 153282

Ion	Ratio	Lower	Upper
113	100		
55	134.5	115.9	155.9
56	107.2	81.1	121.1

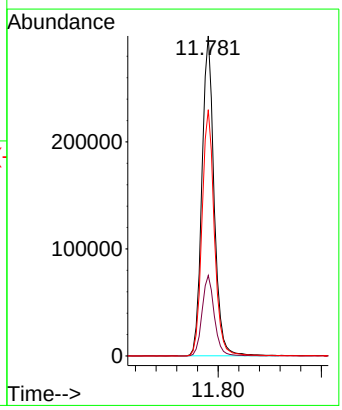


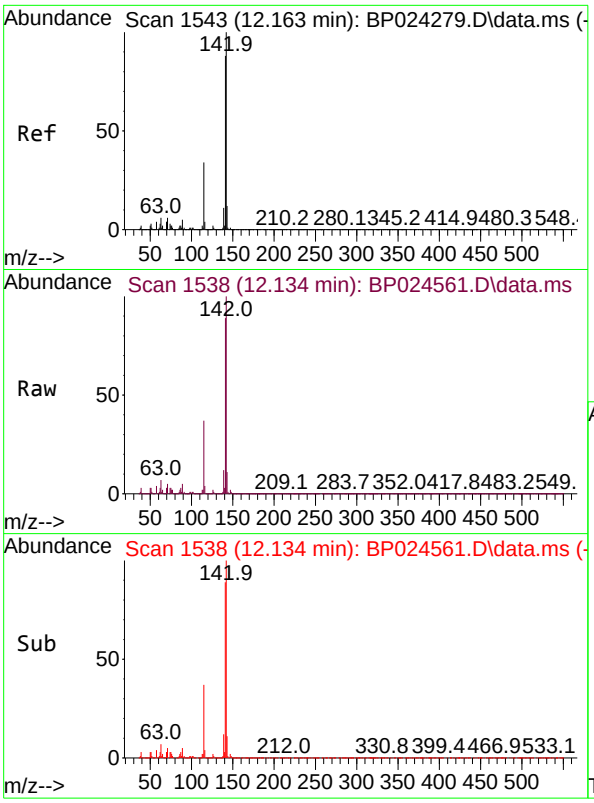


#36
4-Chloro-3-methylphenol
Concen: 49.597 ng
RT: 11.781 min Scan# 1478
Delta R.T. -0.012 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion:107 Resp: 488390

Ion	Ratio	Lower	Upper
107	100		
144	25.1	20.5	30.7
142	77.0	63.4	95.2



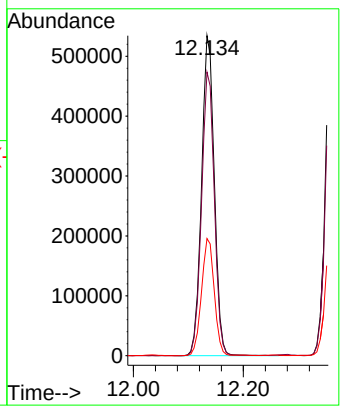


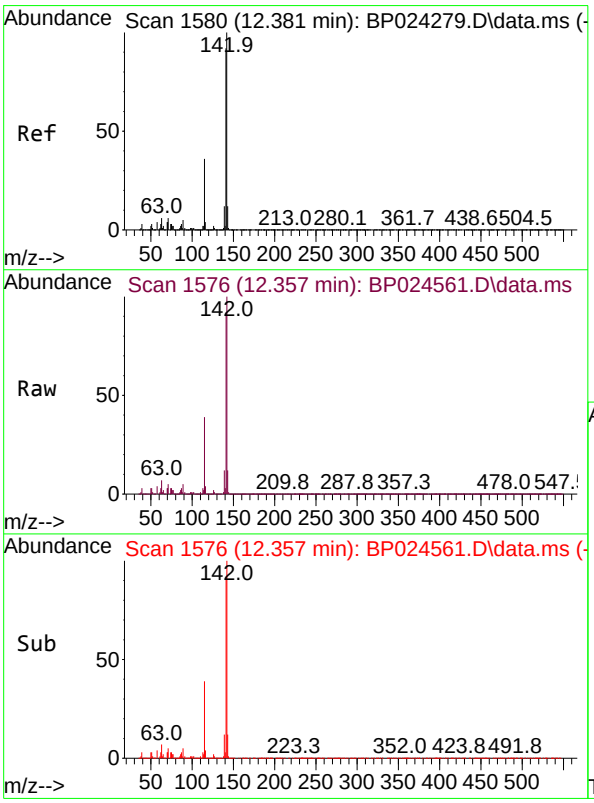
#37
2-Methylnaphthalene
Concen: 40.405 ng
RT: 12.134 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion:142 Resp: 858525

Ion	Ratio	Lower	Upper
142	100		
141	88.6	70.3	105.5
115	36.6	26.9	40.3

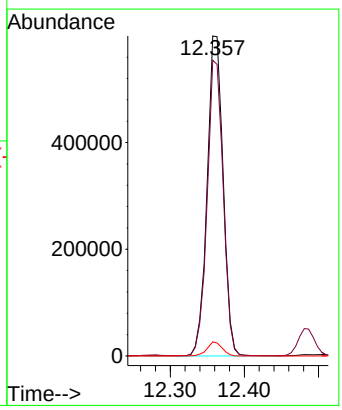


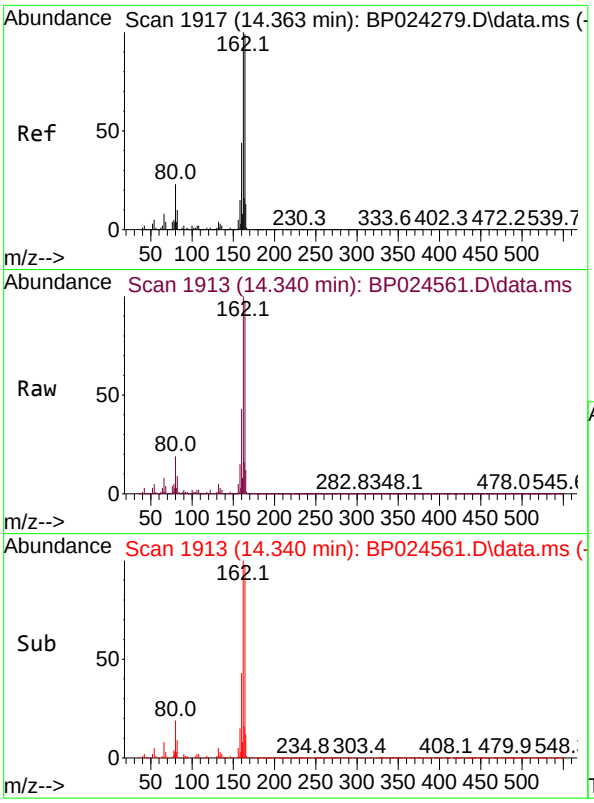


#38
1-Methylnaphthalene
Concen: 43.445 ng
RT: 12.357 min Scan# 1576
Delta R.T. -0.017 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion:142 Resp: 903066

Ion	Ratio	Lower	Upper
142	100		
141	92.4	73.6	110.4
116	4.4	3.0	4.6



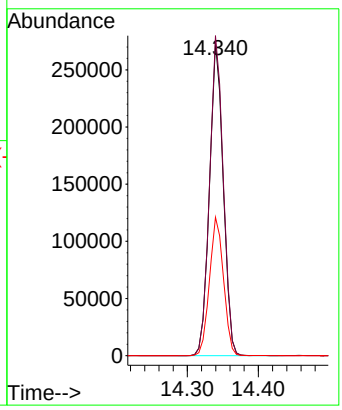


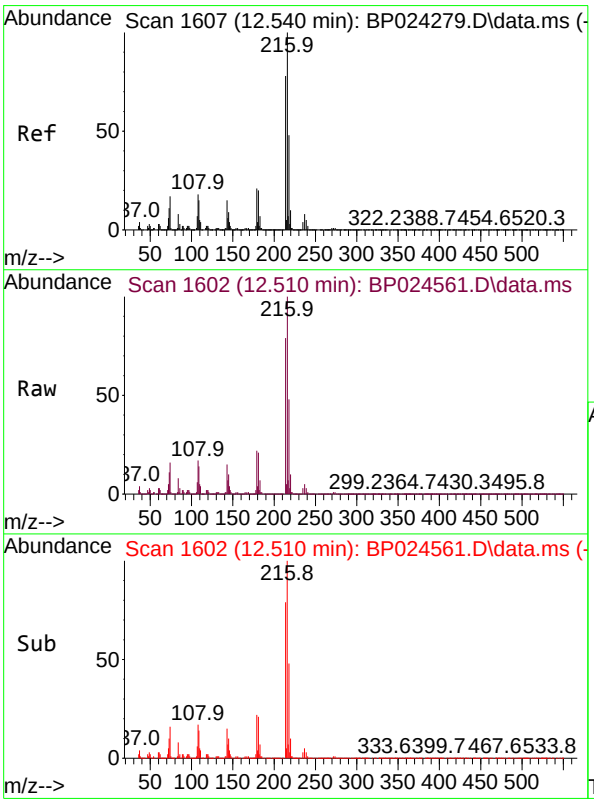
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.340 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion:164 Resp: 368354

Ion	Ratio	Lower	Upper
164	100		
162	102.3	80.6	120.8
160	44.3	35.3	52.9

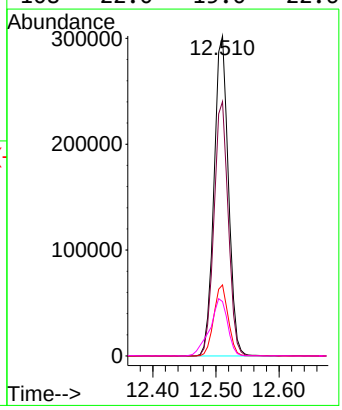


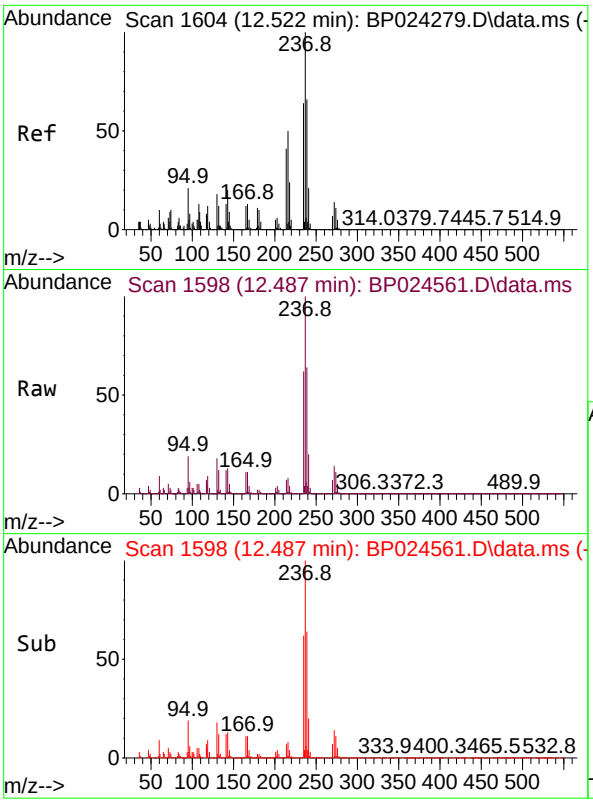


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.068 ng
RT: 12.510 min Scan# 1602
Delta R.T. -0.017 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion:216 Resp: 476790

Ion	Ratio	Lower	Upper
216	100		
214	79.2	62.6	93.8
179	22.2	17.2	25.8
108	22.0	15.0	22.6



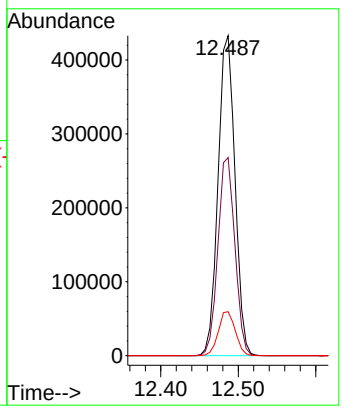


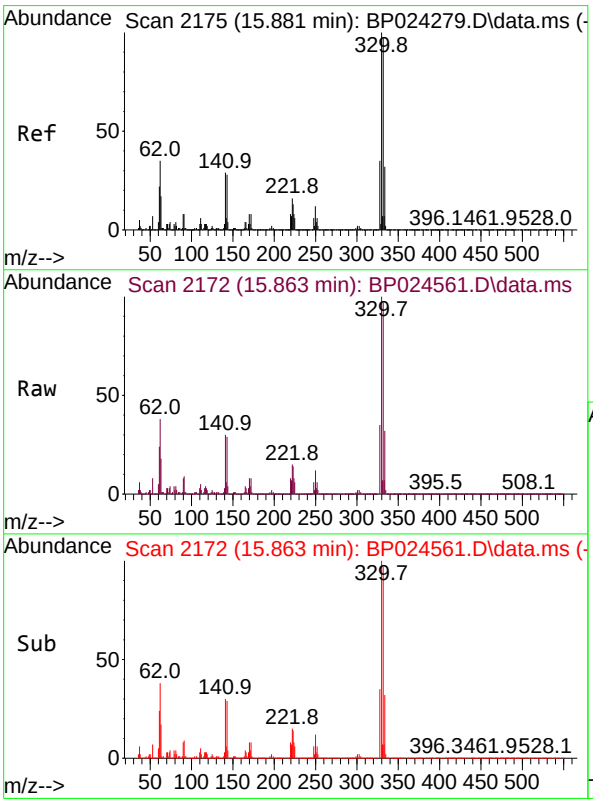
#41
Hexachlorocyclopentadiene
Concen: 183.355 ng
RT: 12.487 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion:237 Resp: 656895

Ion	Ratio	Lower	Upper
237	100		
235	61.9	43.9	83.9
272	13.7	0.0	33.6

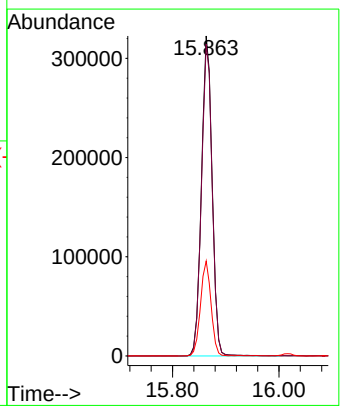


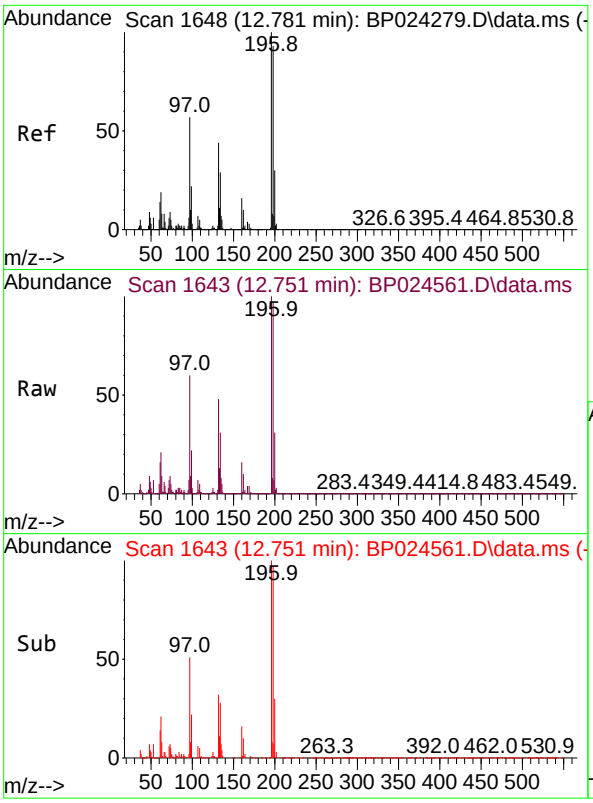


#42
2,4,6-Tribromophenol
Concen: 87.780 ng
RT: 15.863 min Scan# 2172
Delta R.T. 0.000 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion:330 Resp: 447361

Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.1	115.7
141	29.4	24.7	37.1



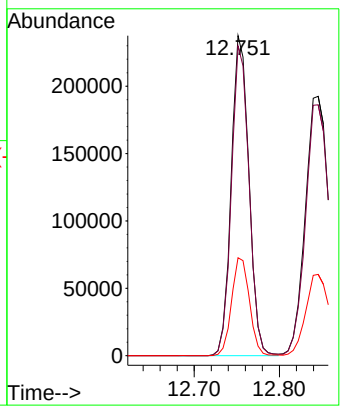


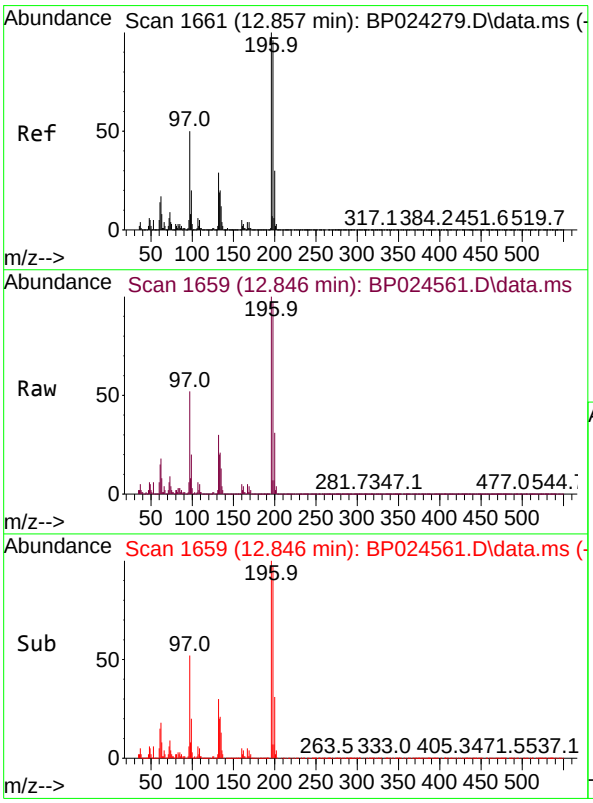
#43
2,4,6-Trichlorophenol
Concen: 50.908 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion:196 Resp: 342860

Ion	Ratio	Lower	Upper
196	100		
198	96.8	74.3	111.5
200	30.6	24.0	36.0

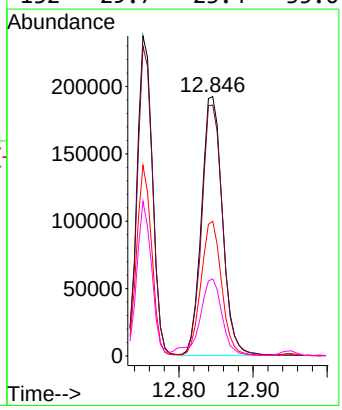


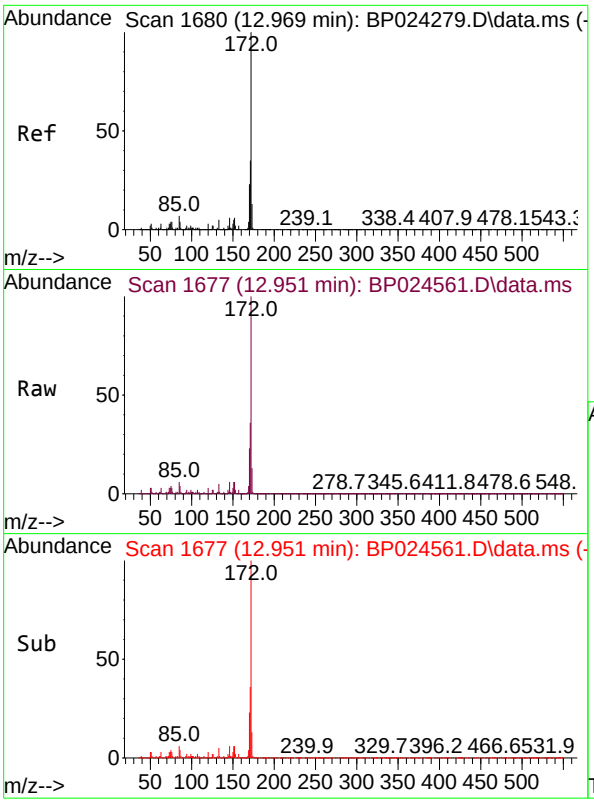


#44
2,4,5-Trichlorophenol
Concen: 50.802 ng
RT: 12.846 min Scan# 1659
Delta R.T. -0.012 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion:196 Resp: 378881

Ion	Ratio	Lower	Upper
196	100		
198	96.7	77.3	115.9
97	52.0	40.4	60.6
132	29.7	23.4	35.0



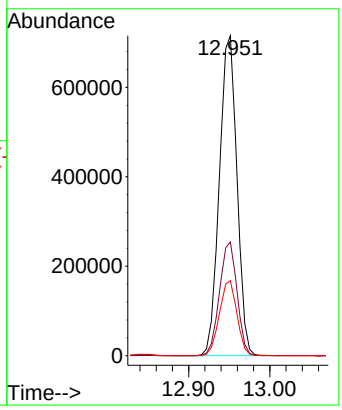


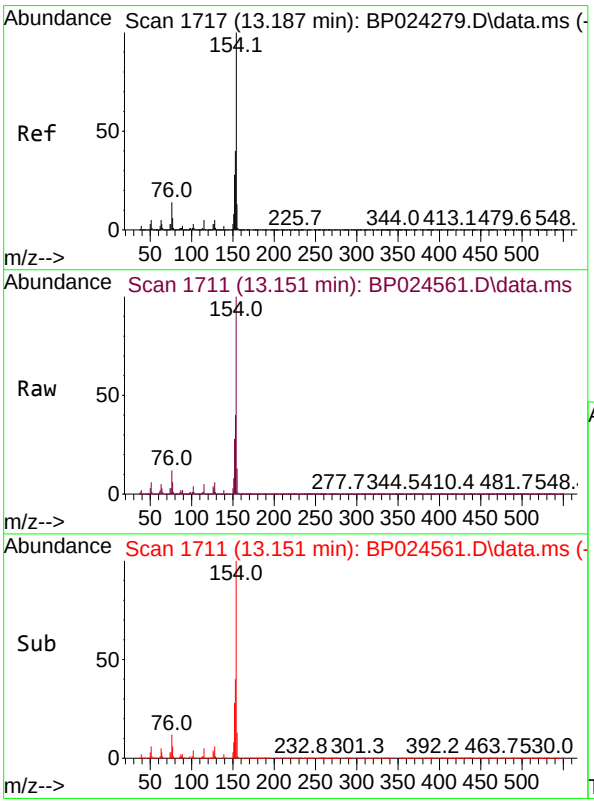
#45
2-Fluorobiphenyl
Concen: 44.754 ng
RT: 12.951 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion:172 Resp: 1076691

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.2	42.2
170	23.5	18.6	27.8

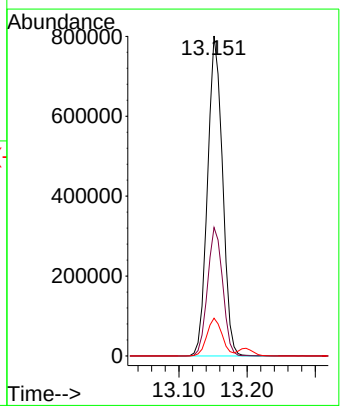


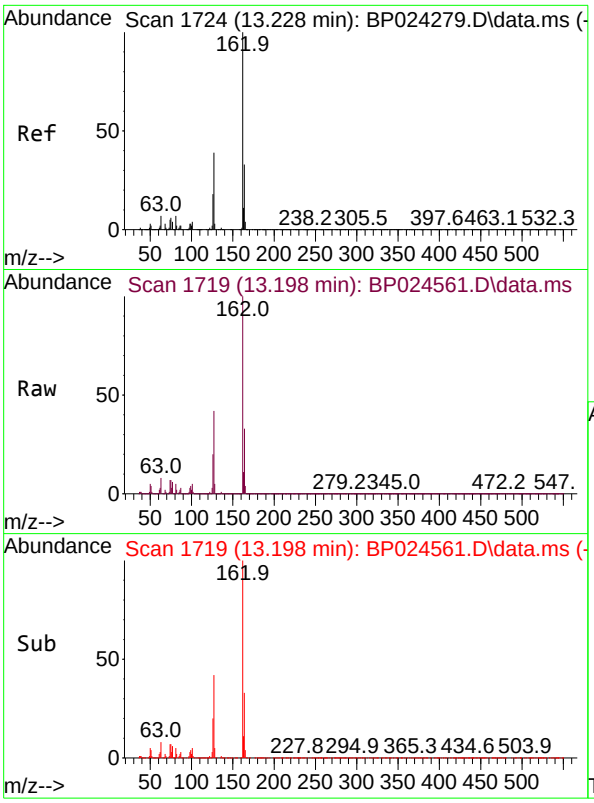


#46
1,1'-Biphenyl
Concen: 45.146 ng
RT: 13.151 min Scan# 1711
Delta R.T. -0.023 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion:154 Resp: 1222360

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.3	60.3
76	11.8	0.0	33.5



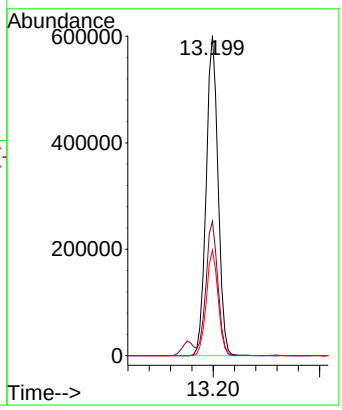


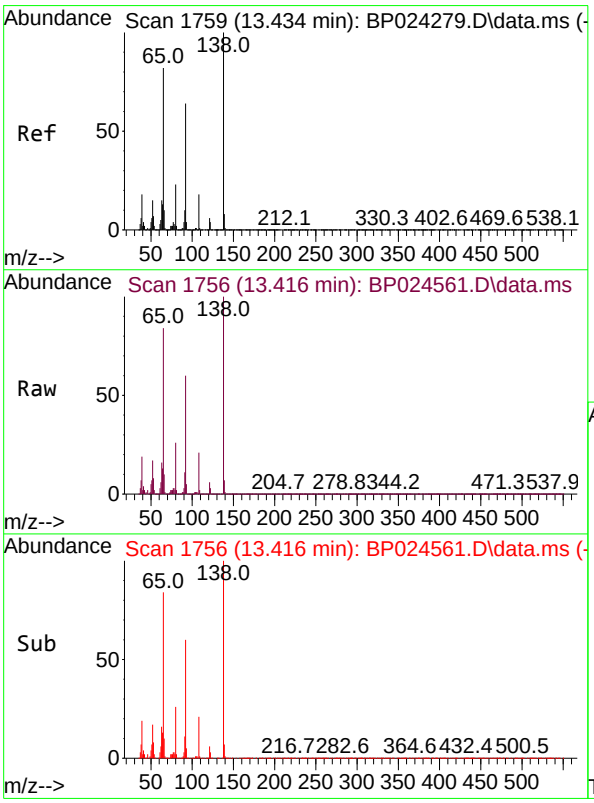
#47
2-Chloronaphthalene
Concen: 46.063 ng
RT: 13.198 min Scan# 1
Delta R.T. -0.017 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion:162 Resp: 932131

Ion	Ratio	Lower	Upper
162	100		
127	42.0	31.9	47.9
164	33.0	26.2	39.4

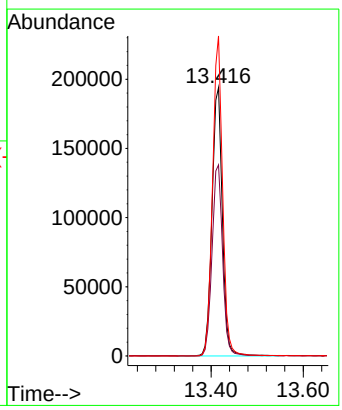


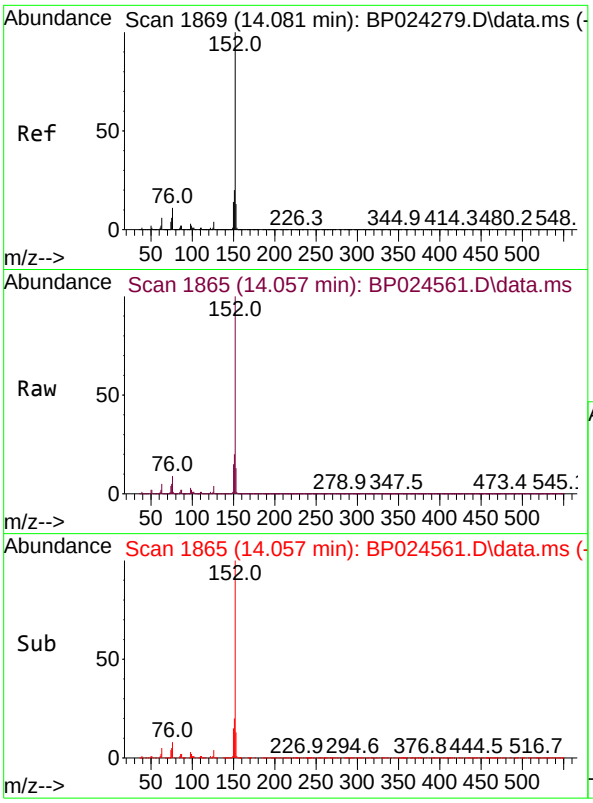


#48
2-Nitroaniline
Concen: 53.348 ng
RT: 13.416 min Scan# 1756
Delta R.T. -0.006 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion: 65 Resp: 302822

Ion	Ratio	Lower	Upper
65	100		
92	71.2	62.3	93.5
138	119.3	97.2	145.8



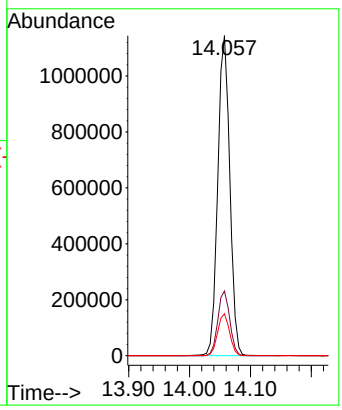


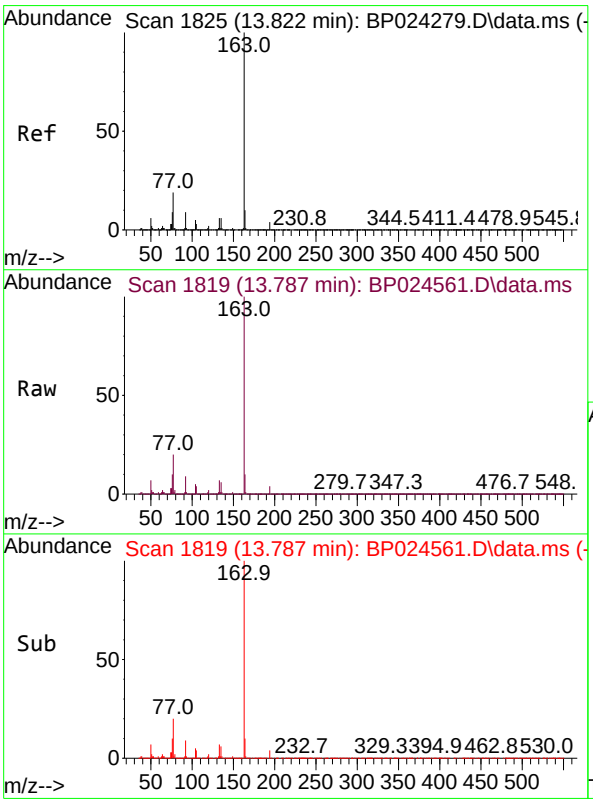
#49
Acenaphthylene
Concen: 49.069 ng
RT: 14.057 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion:152 Resp: 1563371

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.9	23.9
153	13.1	10.6	15.8

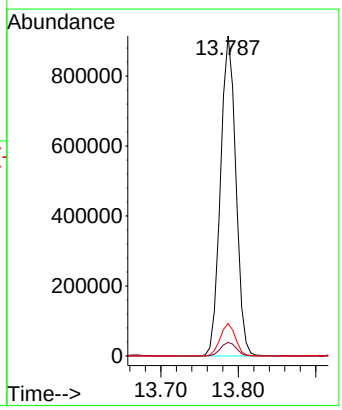


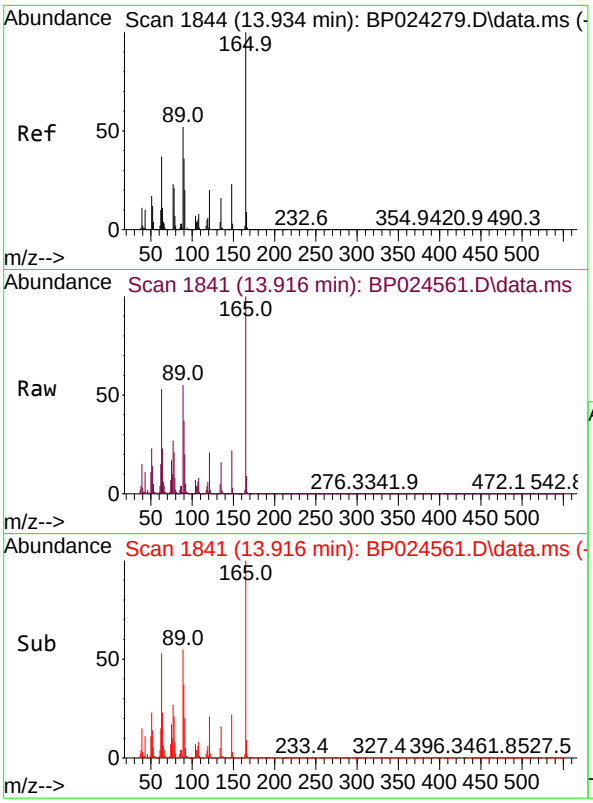


#50
Dimethylphthalate
Concen: 47.140 ng
RT: 13.787 min Scan# 1819
Delta R.T. -0.023 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion:163 Resp: 1262753

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.5	5.3
164	10.2	8.0	12.0



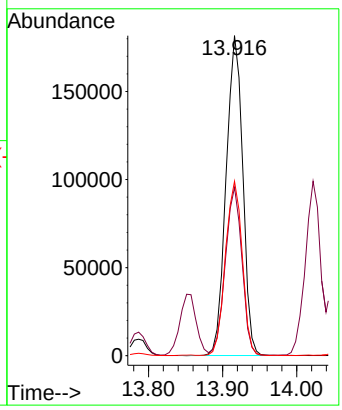


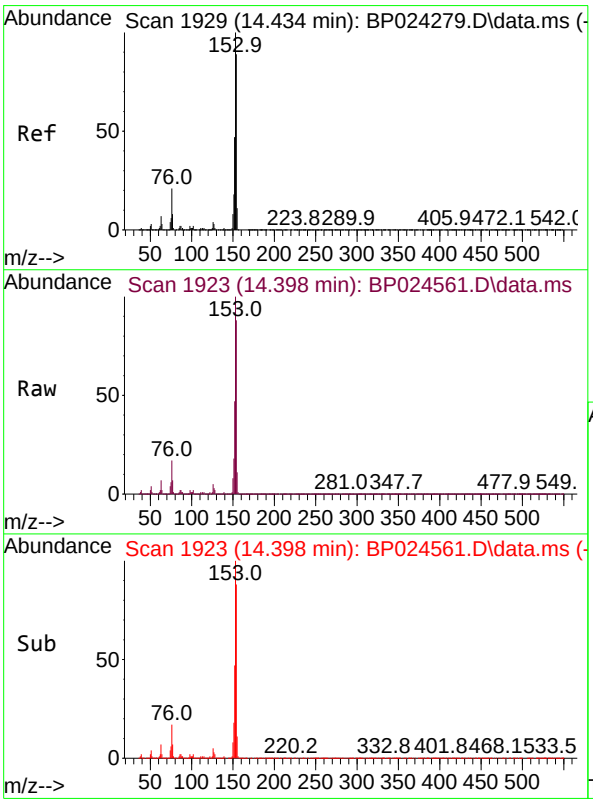
#51
2,6-Dinitrotoluene
Concen: 49.838 ng
RT: 13.916 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion:165 Resp: 283490

Ion	Ratio	Lower	Upper
165	100		
63	52.6	38.0	57.0
89	54.5	41.7	62.5

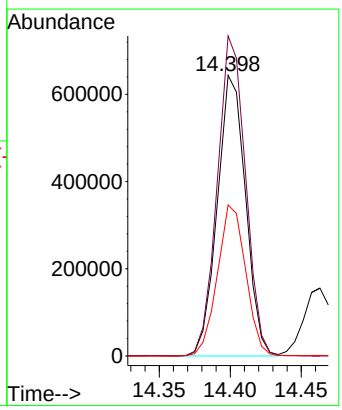


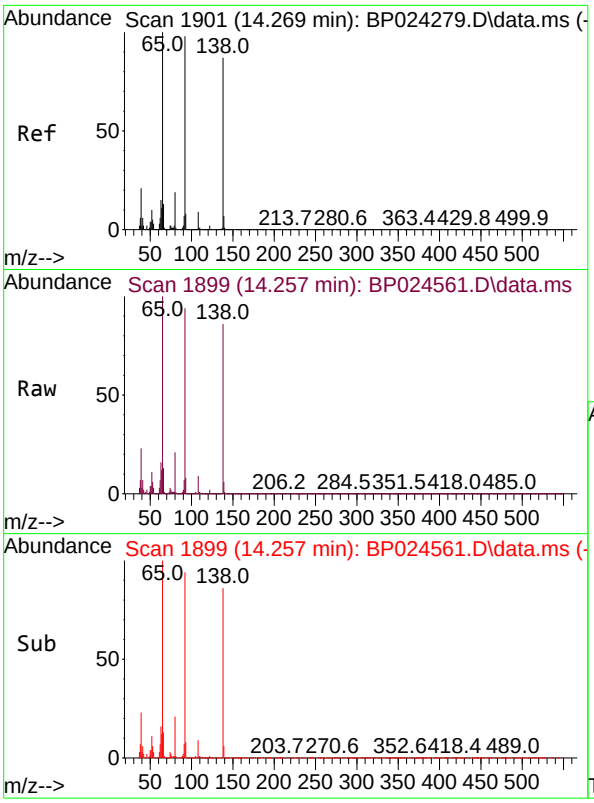


#52
Acenaphthene
Concen: 44.108 ng
RT: 14.398 min Scan# 1923
Delta R.T. -0.023 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion:154 Resp: 890924

Ion	Ratio	Lower	Upper
154	100		
153	114.0	89.8	134.6
152	53.8	42.6	63.8



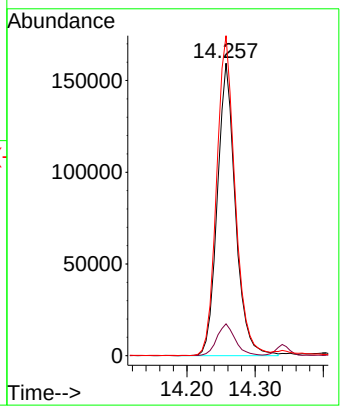


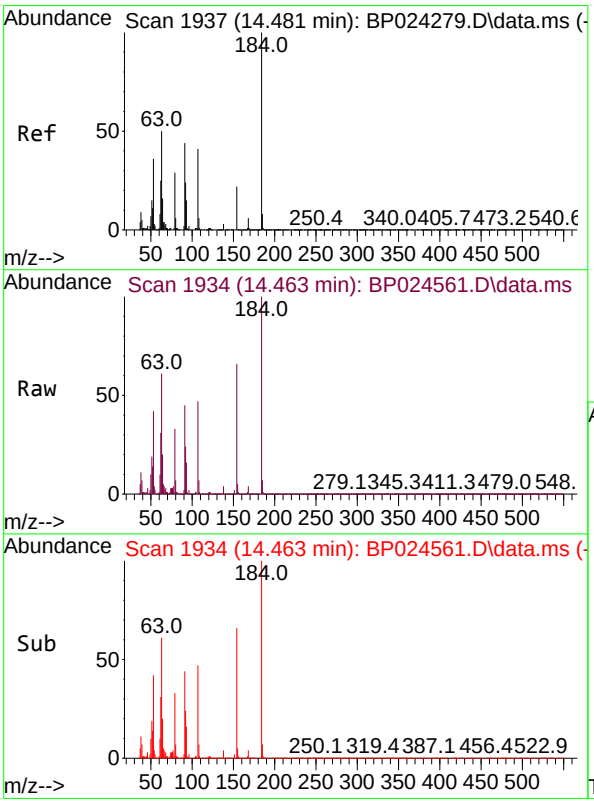
#53
3-Nitroaniline
Concen: 49.309 ng
RT: 14.257 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion:138 Resp: 294792

Ion	Ratio	Lower	Upper
138	100		
108	10.9	8.3	12.5
92	109.4	89.8	134.8

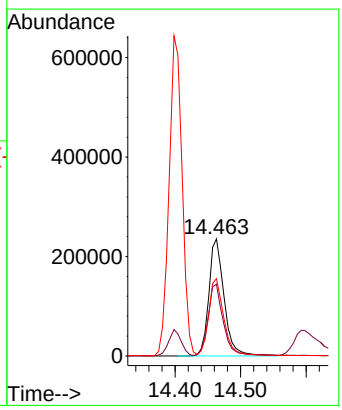


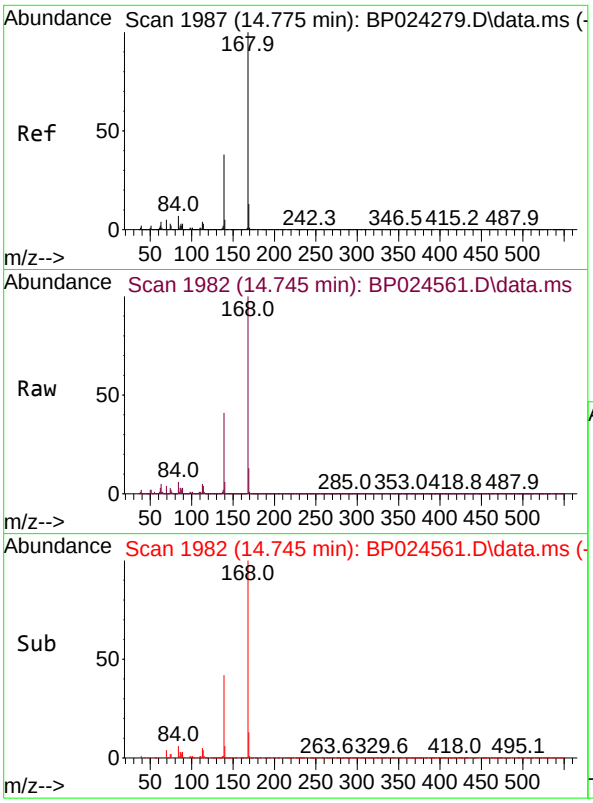


#54
2,4-Dinitrophenol
Concen: 113.579 ng
RT: 14.463 min Scan# 1934
Delta R.T. -0.006 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion:184 Resp: 380562

Ion	Ratio	Lower	Upper
184	100		
63	61.3	42.6	64.0
154	66.0	47.2	70.8



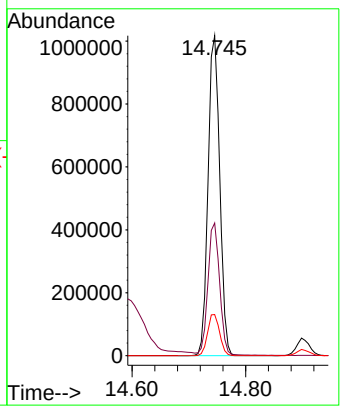


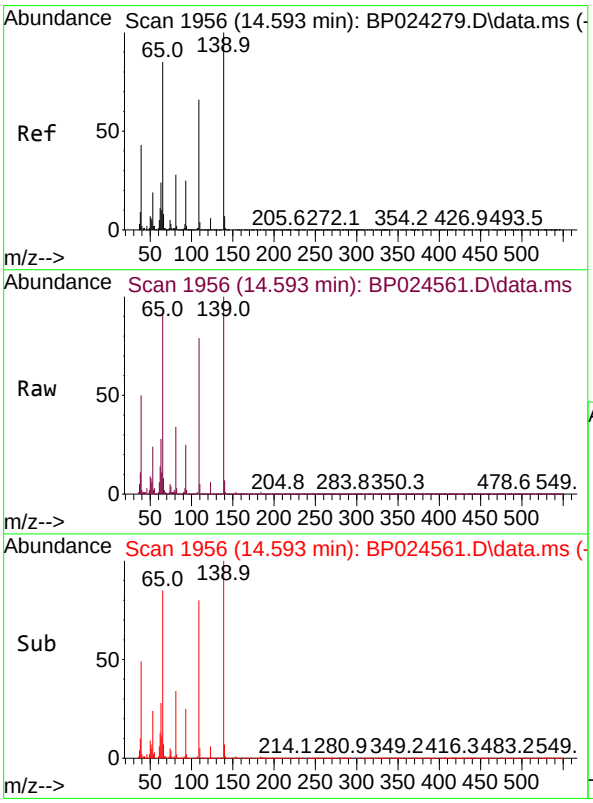
#55
Dibenzofuran
Concen: 43.648 ng
RT: 14.745 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion:168 Resp: 1441071

Ion	Ratio	Lower	Upper
168	100		
139	41.5	30.3	45.5
169	12.9	10.6	16.0

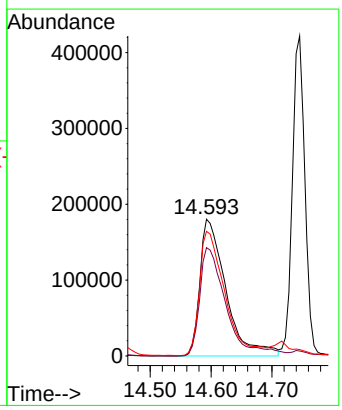


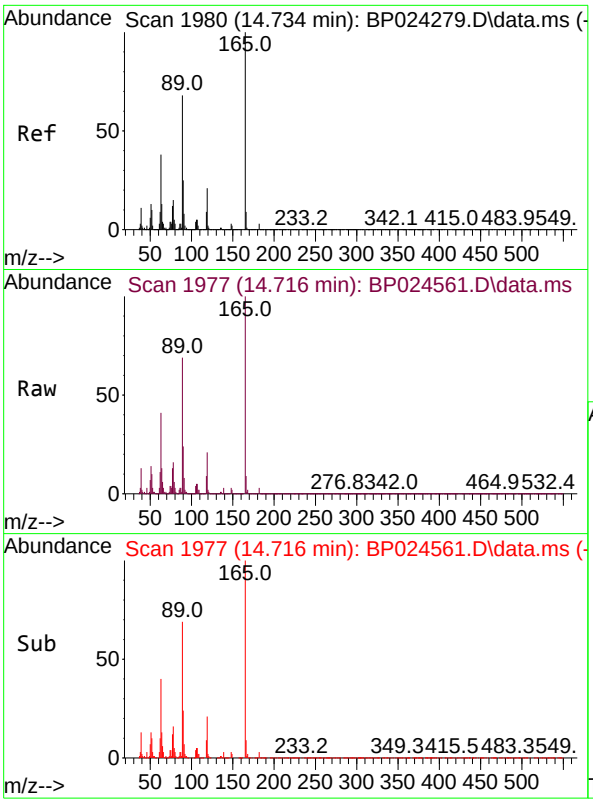


#56
4-Nitrophenol
Concen: 103.488 ng
RT: 14.593 min Scan# 1956
Delta R.T. 0.000 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion:139 Resp: 534338

Ion	Ratio	Lower	Upper
139	100		
109	79.2	46.1	86.1
65	91.1	65.0	105.0



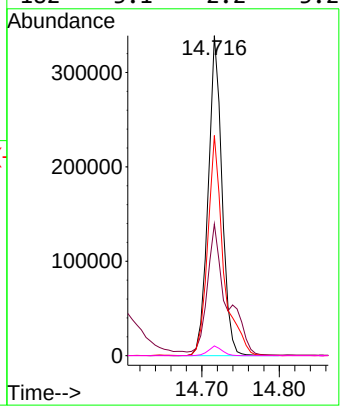


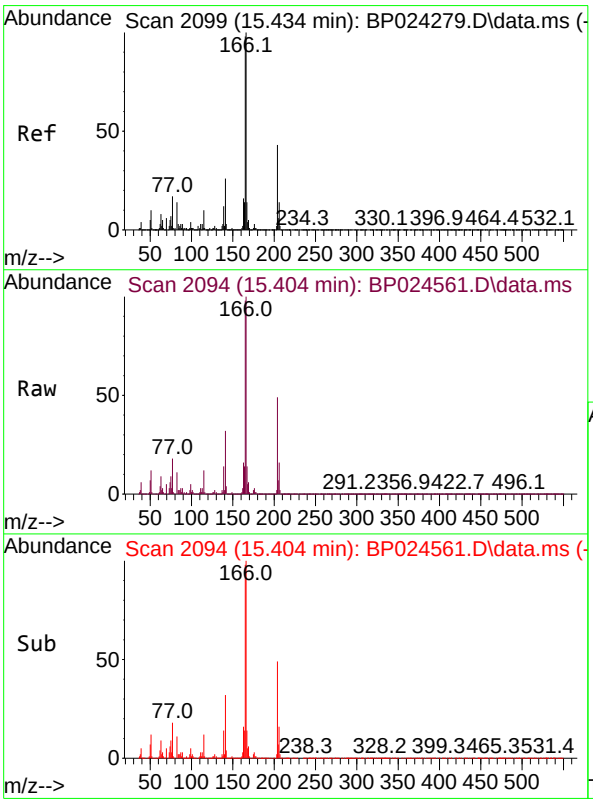
#57
2,4-Dinitrotoluene
Concen: 53.892 ng
RT: 14.716 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion:165 Resp: 418173

Ion	Ratio	Lower	Upper
165	100		
63	41.1	30.4	45.6
89	68.8	54.6	82.0
182	3.1	2.2	3.2

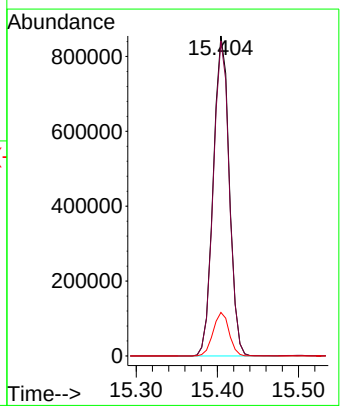


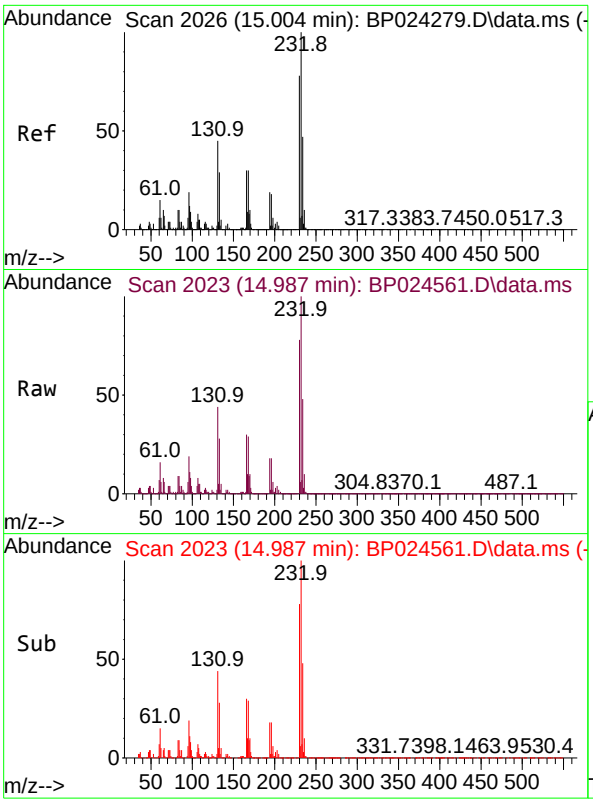


#58
Fluorene
Concen: 45.910 ng
RT: 15.404 min Scan# 2094
Delta R.T. -0.012 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion:166 Resp: 1173406

Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.1	117.1
167	13.6	10.9	16.3



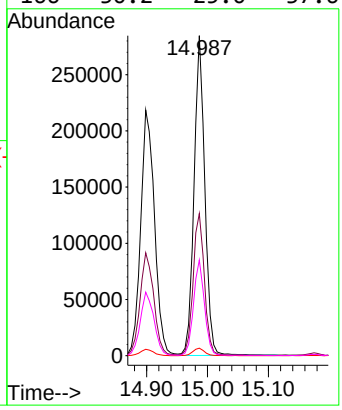


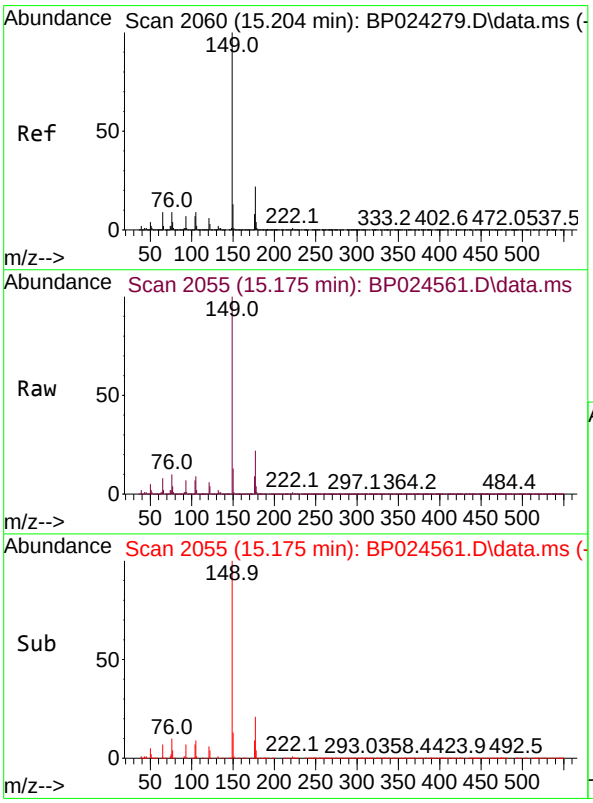
#59
2,3,4,6-Tetrachlorophenol
Concen: 50.810 ng
RT: 14.987 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion:232 Resp: 349501

Ion	Ratio	Lower	Upper
232	100		
131	46.7	36.8	55.2
130	2.6	1.9	2.9
166	30.2	25.0	37.6

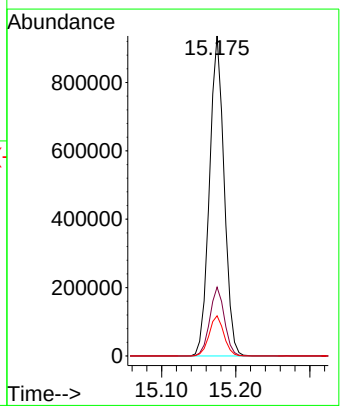


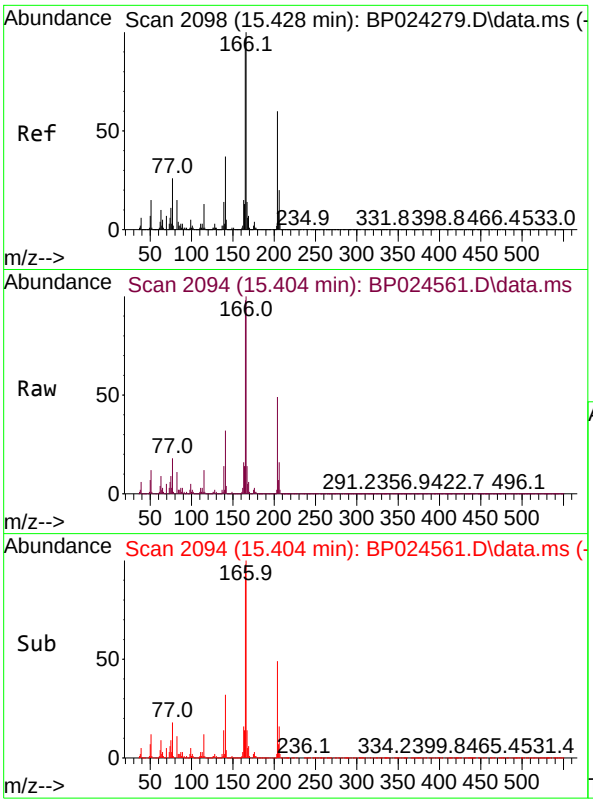


#60
Diethylphthalate
Concen: 46.581 ng
RT: 15.175 min Scan# 2055
Delta R.T. -0.017 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion:149 Resp: 1285868

Ion	Ratio	Lower	Upper
149	100		
177	21.5	17.4	26.2
150	12.6	10.1	15.1



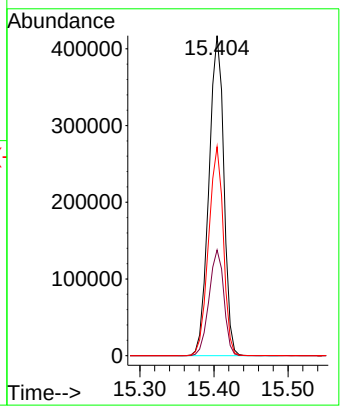


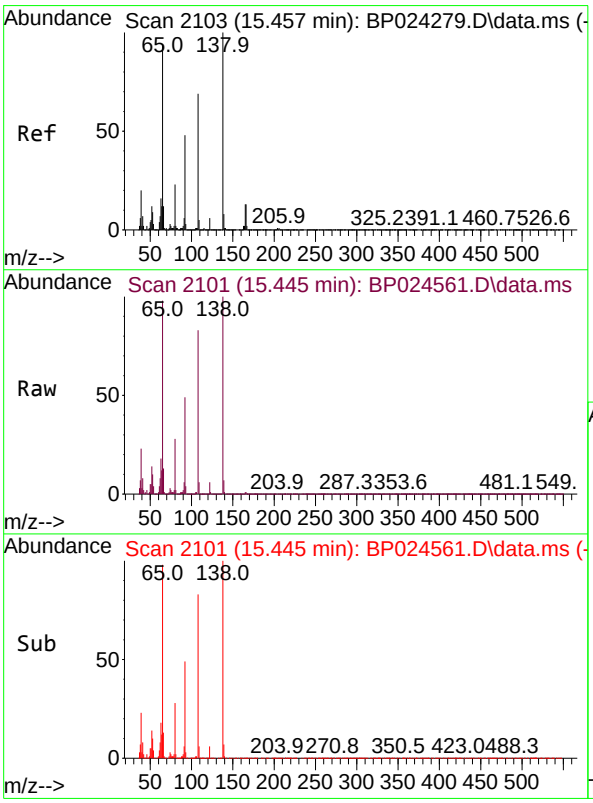
#61
4-Chlorophenyl-phenylether
Concen: 46.970 ng
RT: 15.404 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion:204 Resp: 582955

Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.5	39.7
141	65.3	49.4	74.0

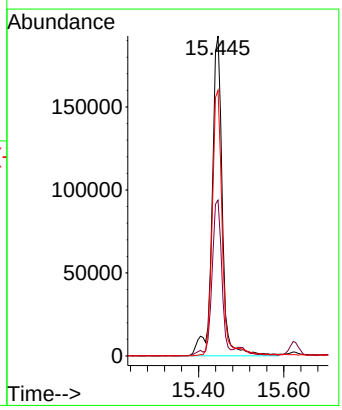


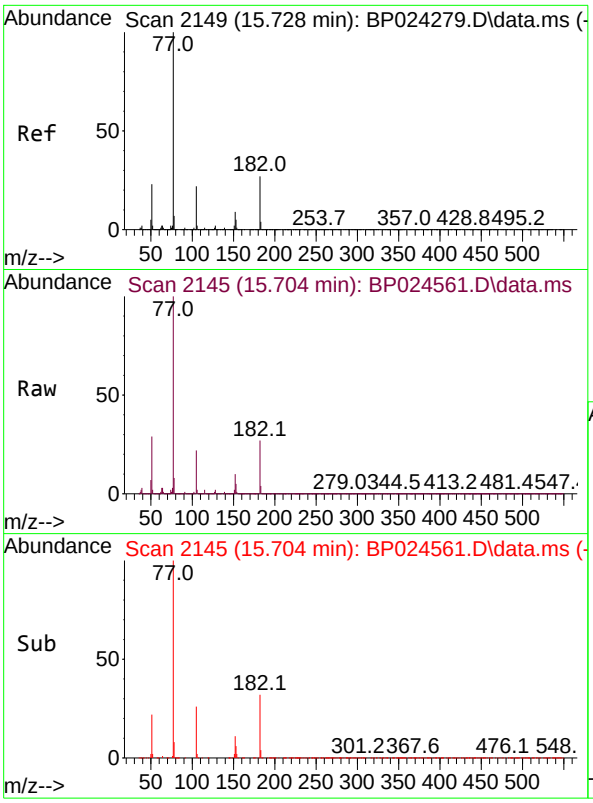


#62
4-Nitroaniline
Concen: 51.049 ng
RT: 15.445 min Scan# 2101
Delta R.T. 0.006 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion:138 Resp: 323084

Ion	Ratio	Lower	Upper
138	100		
92	48.7	27.8	67.8
108	83.0	48.9	88.9



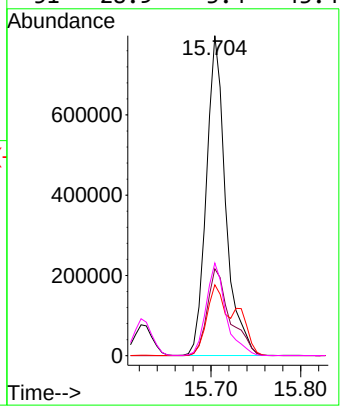


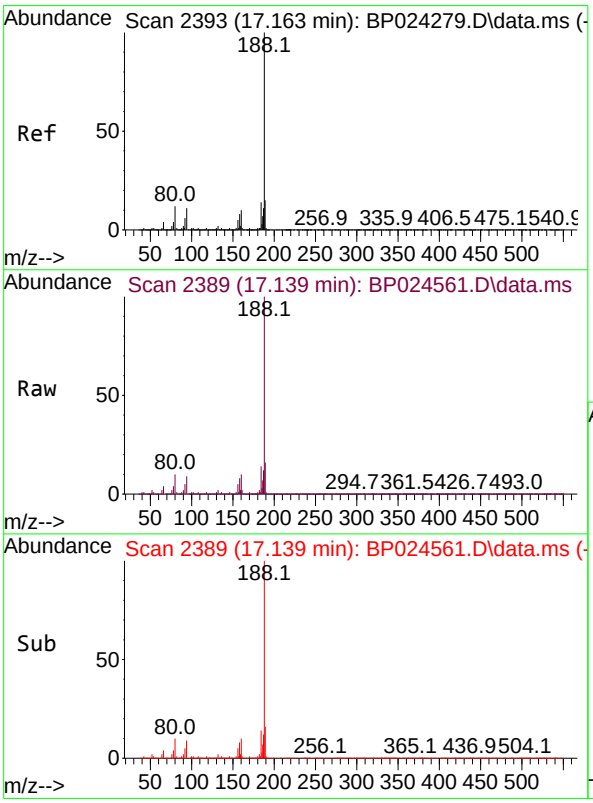
#63
Azobenzene
Concen: 46.889 ng
RT: 15.704 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion: 77 Resp: 1189672

Ion	Ratio	Lower	Upper
77	100		
182	27.1	7.3	47.3
105	22.1	2.3	42.3
51	28.9	3.4	43.4

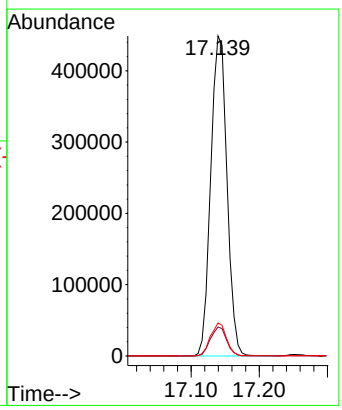


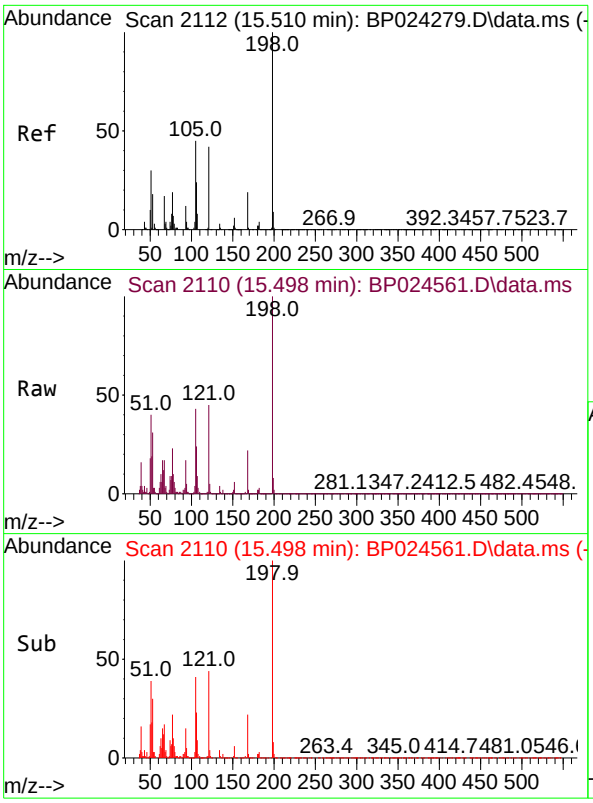


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.139 min Scan# 2389
Delta R.T. -0.006 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion:188 Resp: 744026

Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.6	13.0
80	10.3	9.8	14.6



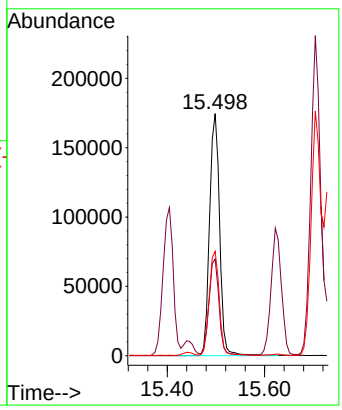


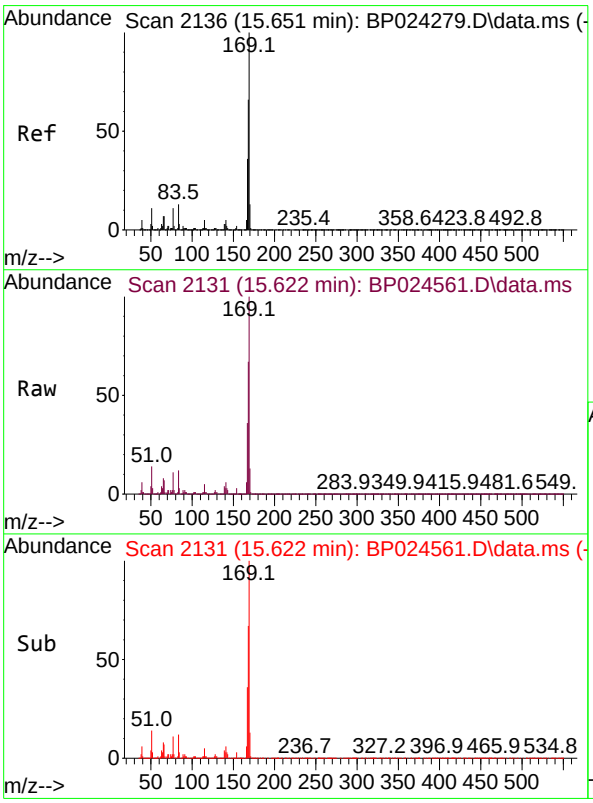
#65
4,6-Dinitro-2-methylphenol
Concen: 52.983 ng
RT: 15.498 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion:198 Resp: 248533

Ion	Ratio	Lower	Upper
198	100		
51	40.0	18.4	58.4
105	43.1	26.5	66.5

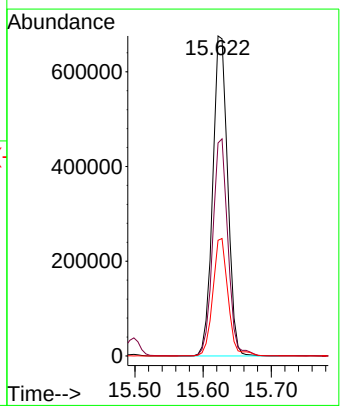


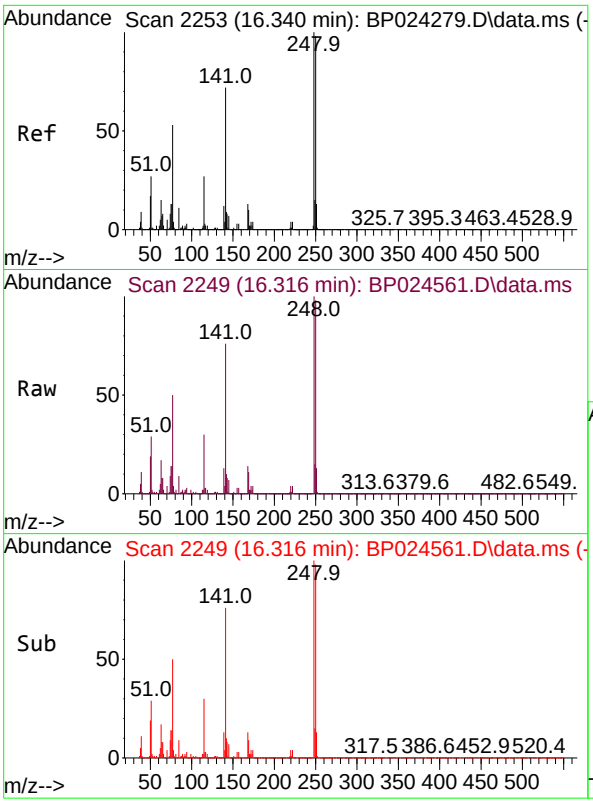


#66
n-Nitrosodiphenylamine
Concen: 46.418 ng
RT: 15.622 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion:169 Resp: 1030824

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.0	79.4
167	36.2	28.9	43.3



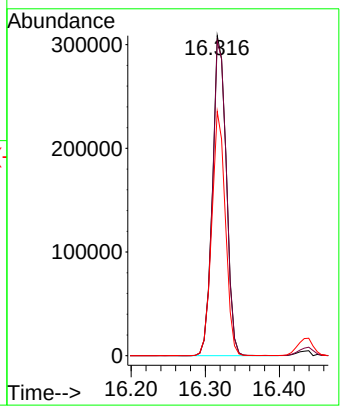


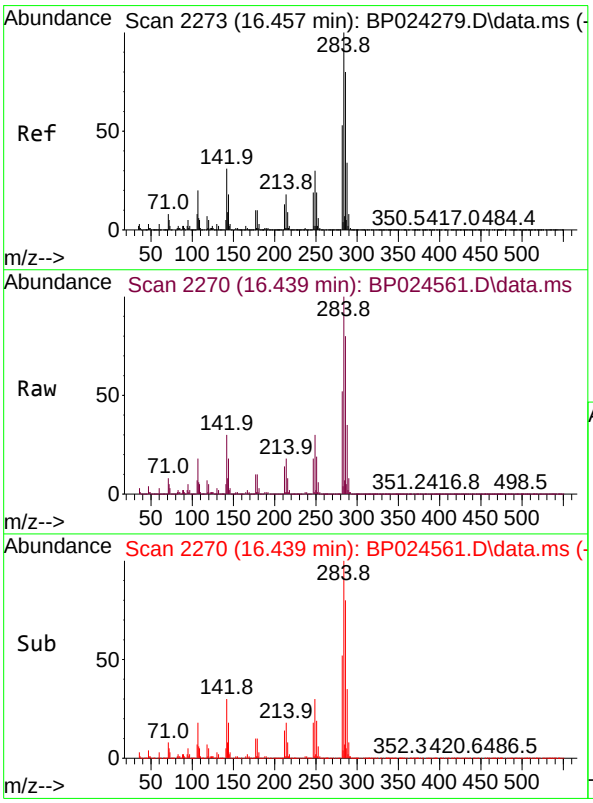
#67
4-Bromophenyl-phenylether
Concen: 49.014 ng
RT: 16.316 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion:248 Resp: 398843

Ion	Ratio	Lower	Upper
248	100		
250	98.3	78.2	117.4
141	76.3	57.7	86.5

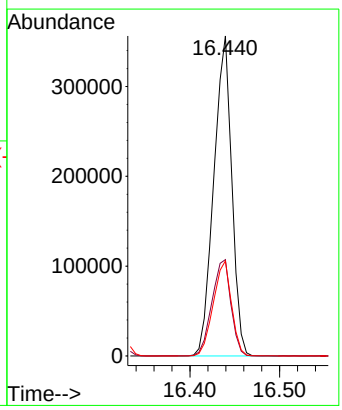


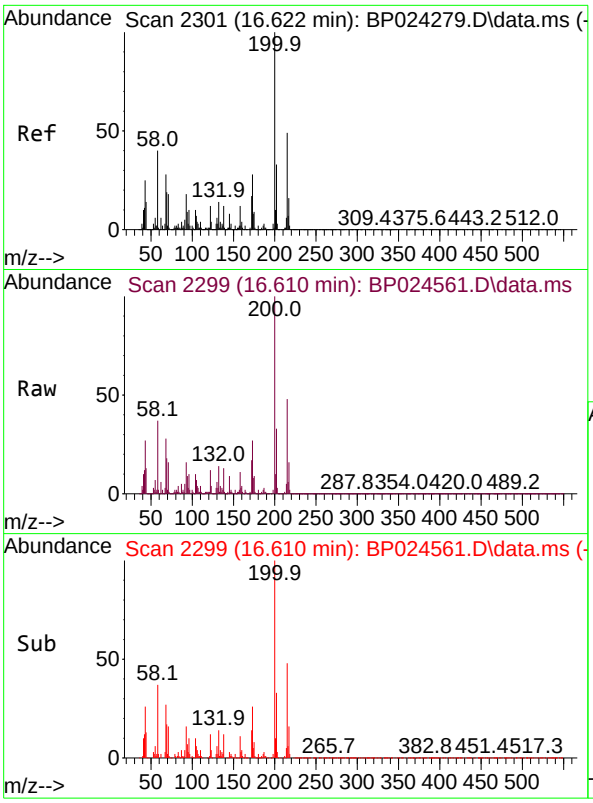


#68
Hexachlorobenzene
Concen: 51.217 ng
RT: 16.439 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion:284 Resp: 495234

Ion	Ratio	Lower	Upper
284	100		
142	30.1	24.6	37.0
249	29.7	23.8	35.6



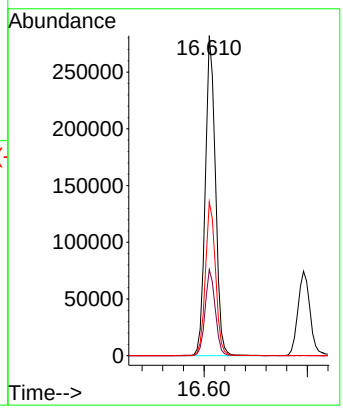


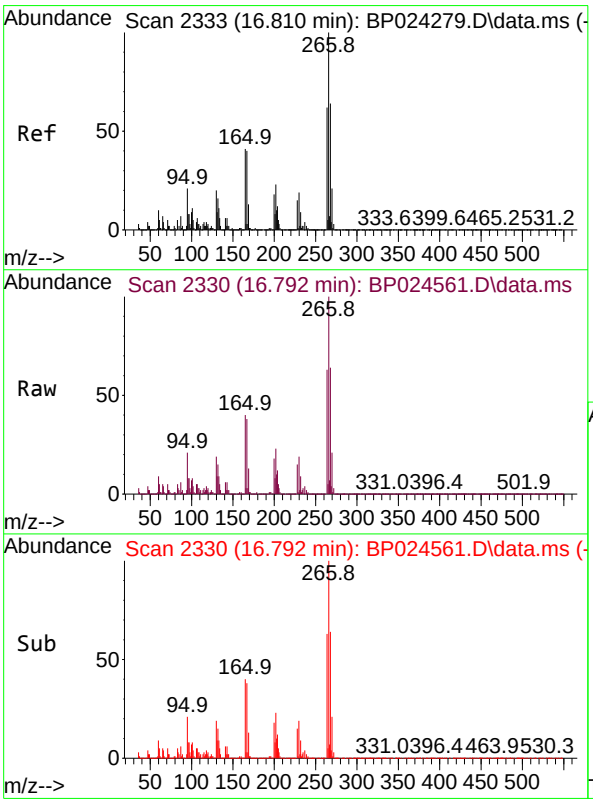
#69
Atrazine
Concen: 68.014 ng
RT: 16.610 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion:200 Resp: 384693

Ion	Ratio	Lower	Upper
200	100		
173	26.9	7.5	47.5
215	48.0	28.8	68.8

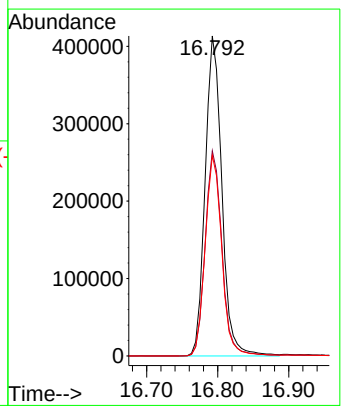


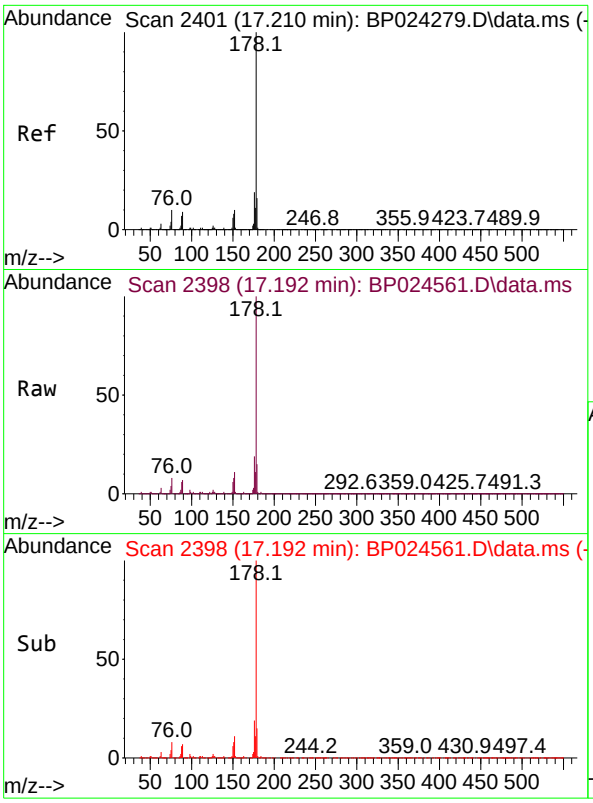


#70
Pentachlorophenol
Concen: 100.425 ng
RT: 16.792 min Scan# 2330
Delta R.T. -0.006 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion:266 Resp: 677426

Ion	Ratio	Lower	Upper
266	100		
268	64.1	51.0	76.6
264	62.7	49.8	74.6



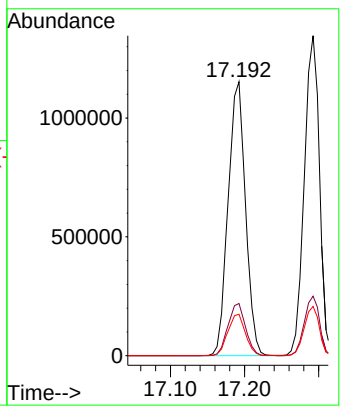


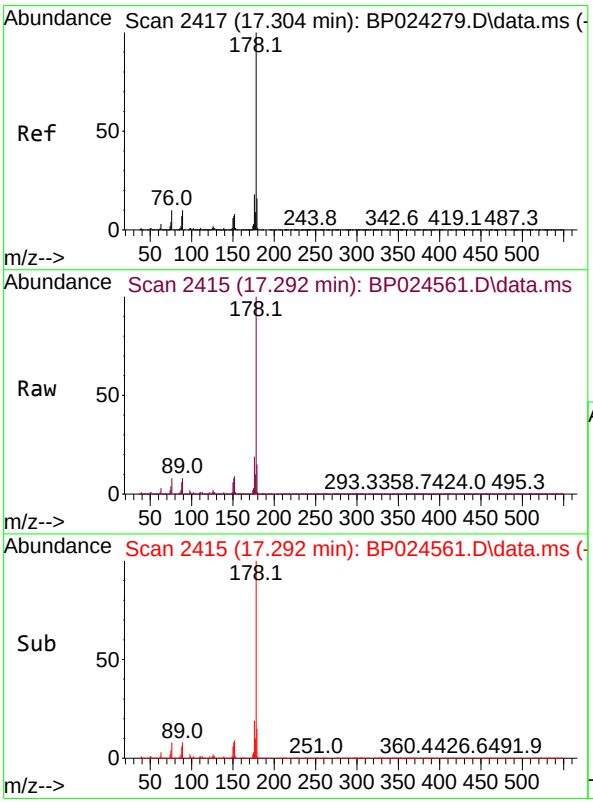
#71
Phenanthrene
Concen: 46.386 ng
RT: 17.192 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion:178 Resp: 1882748

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.0
179	15.1	12.5	18.7

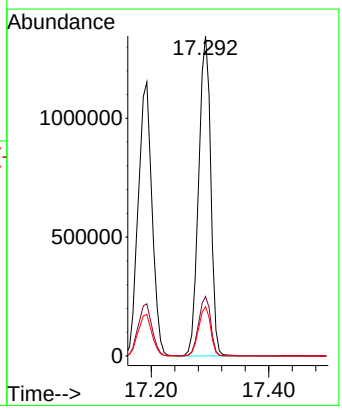


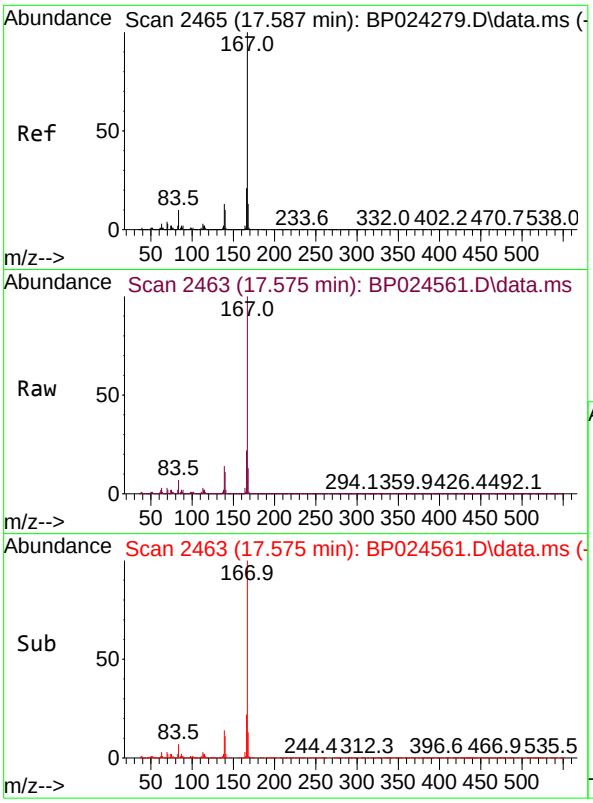


#72
Anthracene
Concen: 48.993 ng
RT: 17.292 min Scan# 2415
Delta R.T. 0.006 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion:178 Resp: 1916566

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	15.4	12.4	18.6



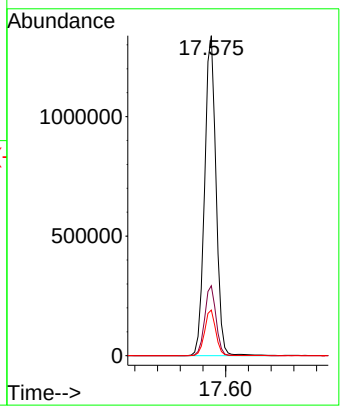


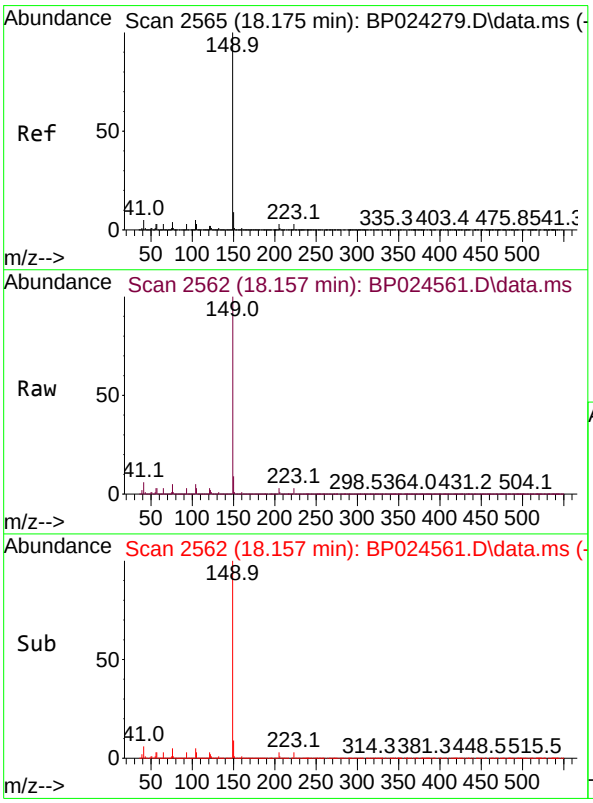
#73
Carbazole
Concen: 48.369 ng
RT: 17.575 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion:167 Resp: 1848797

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.1	25.7
139	14.3	10.6	16.0

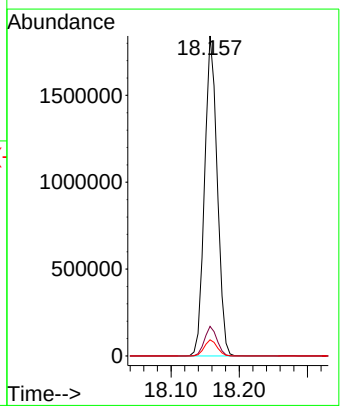


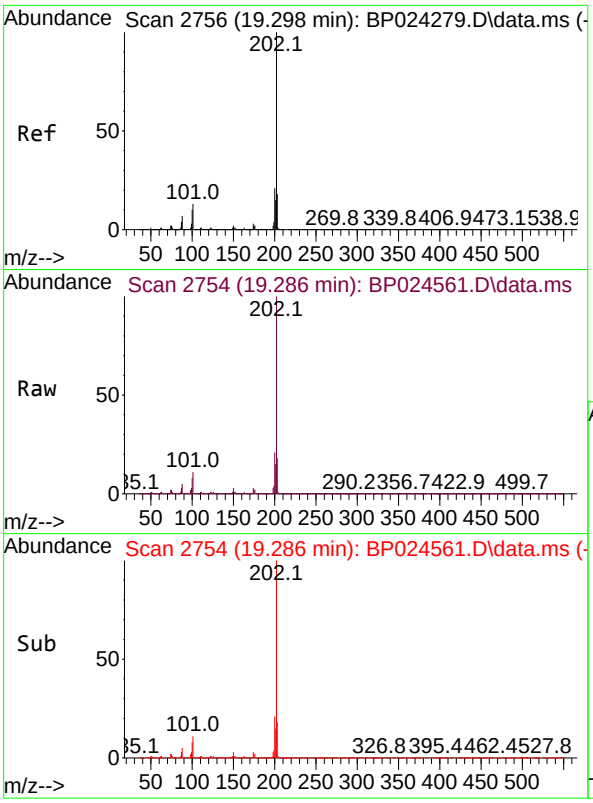


#74
Di-n-butylphthalate
Concen: 49.933 ng
RT: 18.157 min Scan# 2562
Delta R.T. 0.000 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion:149 Resp: 2377814

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	5.0	3.9	5.9



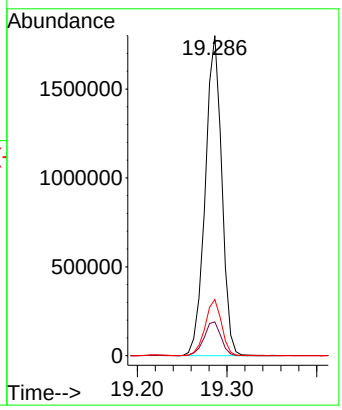


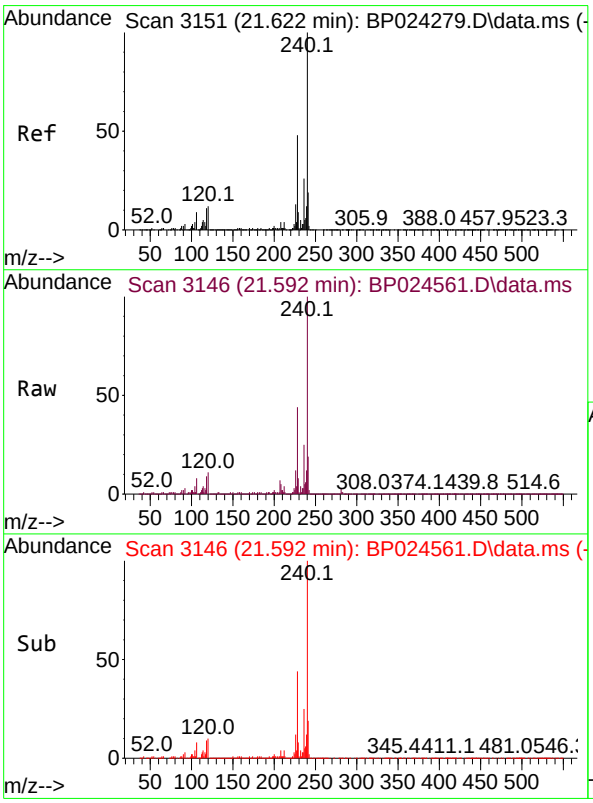
#75
Fluoranthene
Concen: 47.546 ng
RT: 19.286 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion:202 Resp: 2295232

Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	33.2
203	17.6	0.0	37.7

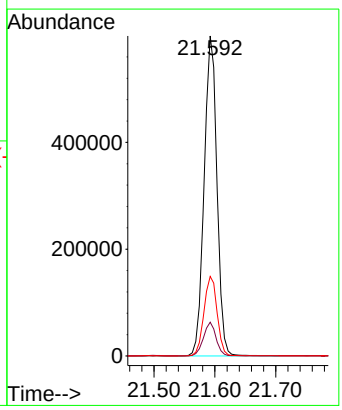


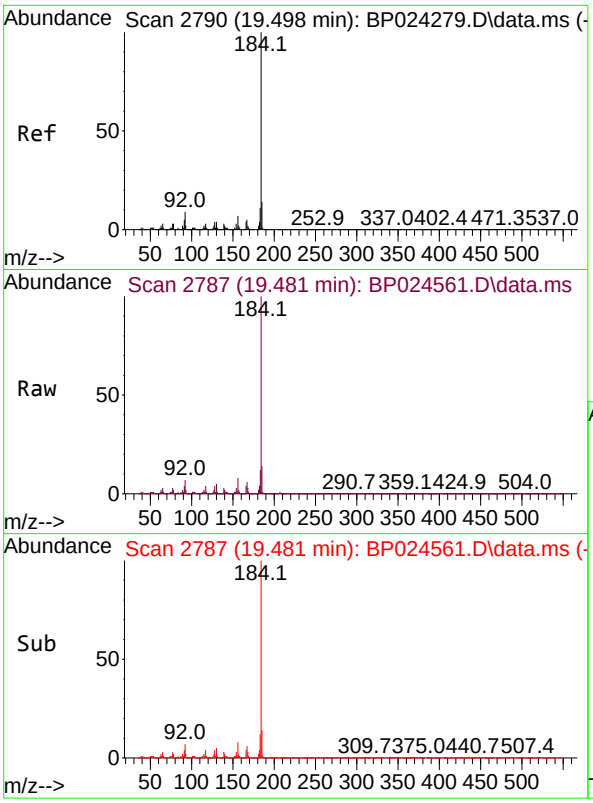


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.592 min Scan# 3146
Delta R.T. 0.000 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion:240 Resp: 874999

Ion	Ratio	Lower	Upper
240	100		
120	10.5	9.8	14.8
236	24.9	20.9	31.3



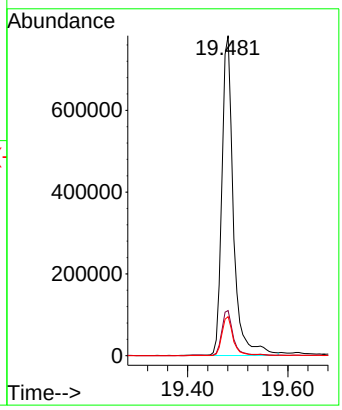


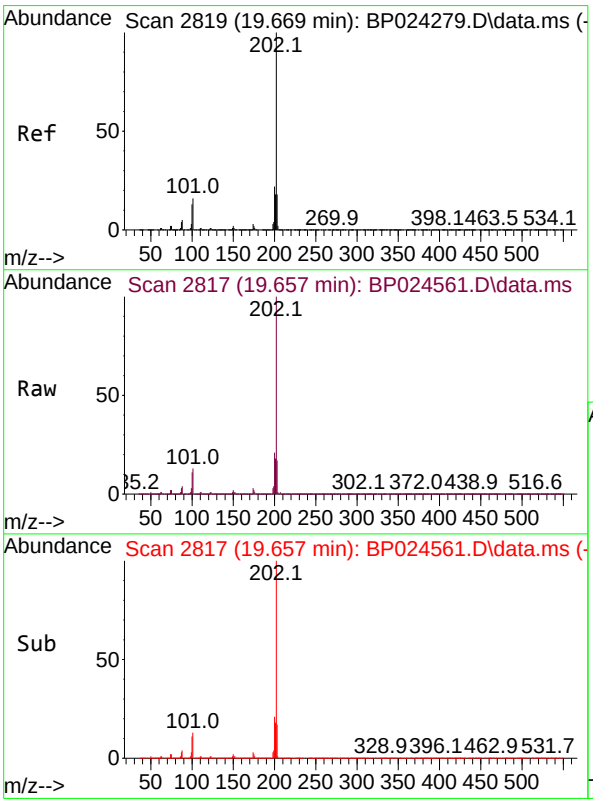
#77
Benzidine
Concen: 112.930 ng
RT: 19.481 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion:184 Resp: 1252551

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.6	17.4
183	12.2	9.2	13.8

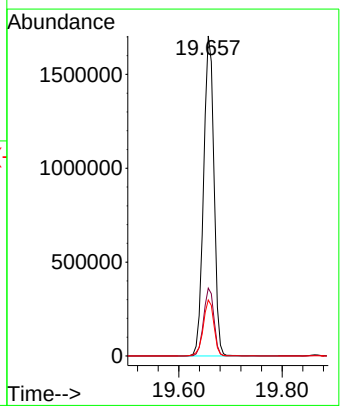


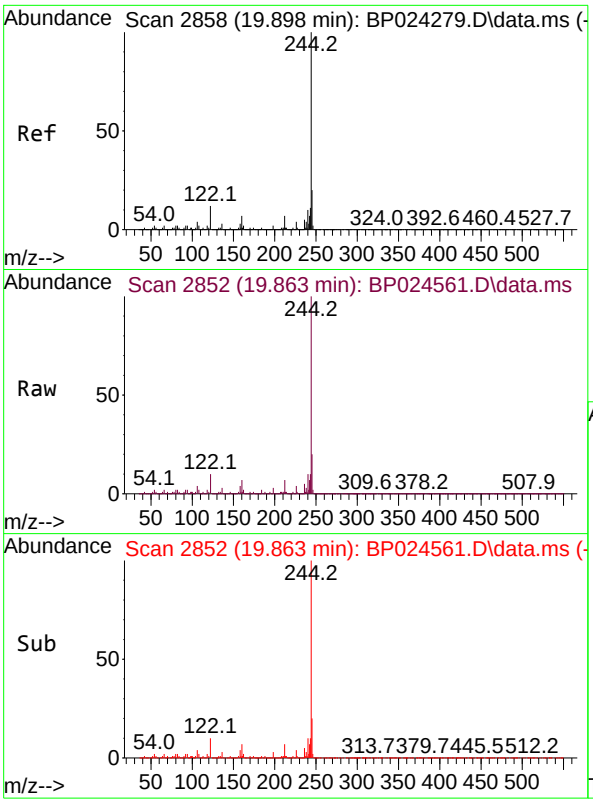


#78
Pyrene
Concen: 42.691 ng
RT: 19.657 min Scan# 2817
Delta R.T. 0.006 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion:202 Resp: 2373916

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.2	25.8
203	17.5	14.4	21.6



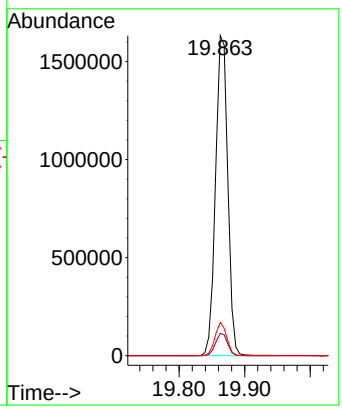


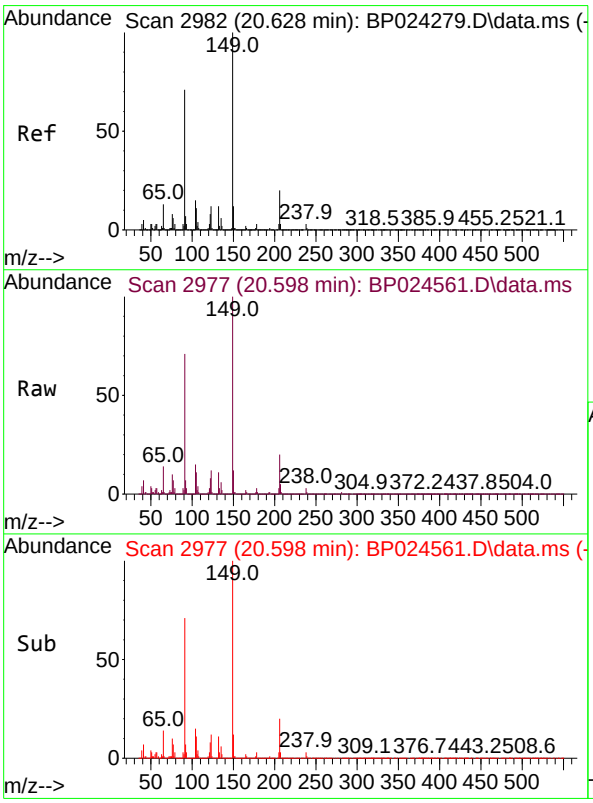
#79
Terphenyl-d14
Concen: 48.415 ng
RT: 19.863 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion:244 Resp: 2101735

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	10.3	9.4	14.0

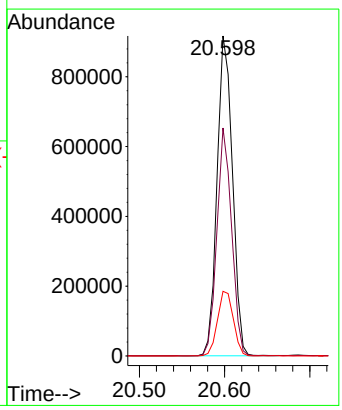


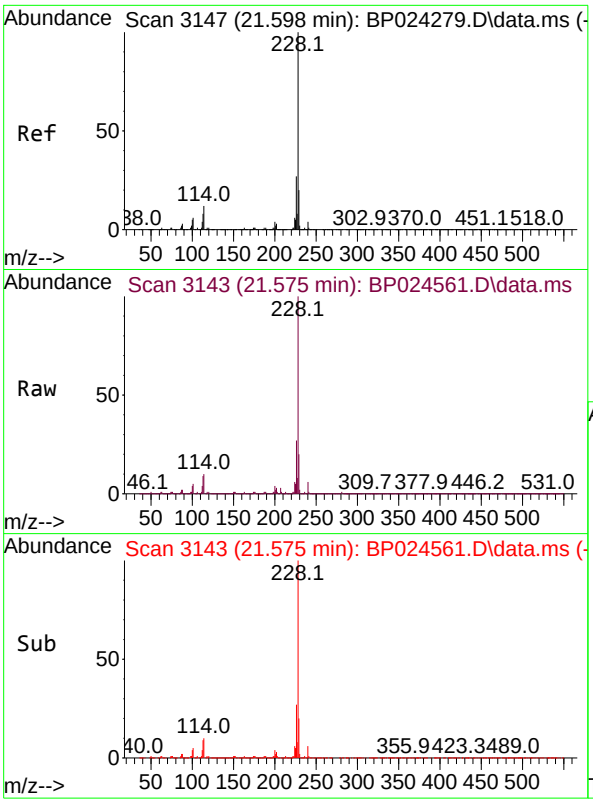


#80
Butylbenzylphthalate
Concen: 48.278 ng
RT: 20.598 min Scan# 2977
Delta R.T. -0.006 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion:149 Resp: 1149884

Ion	Ratio	Lower	Upper
149	100		
91	71.2	56.4	84.6
206	20.2	16.3	24.5



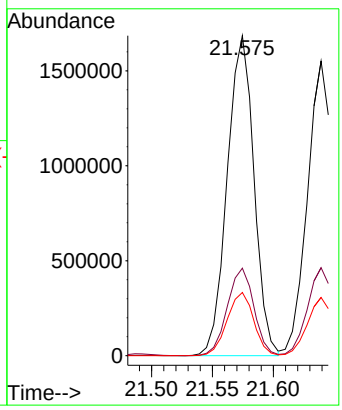


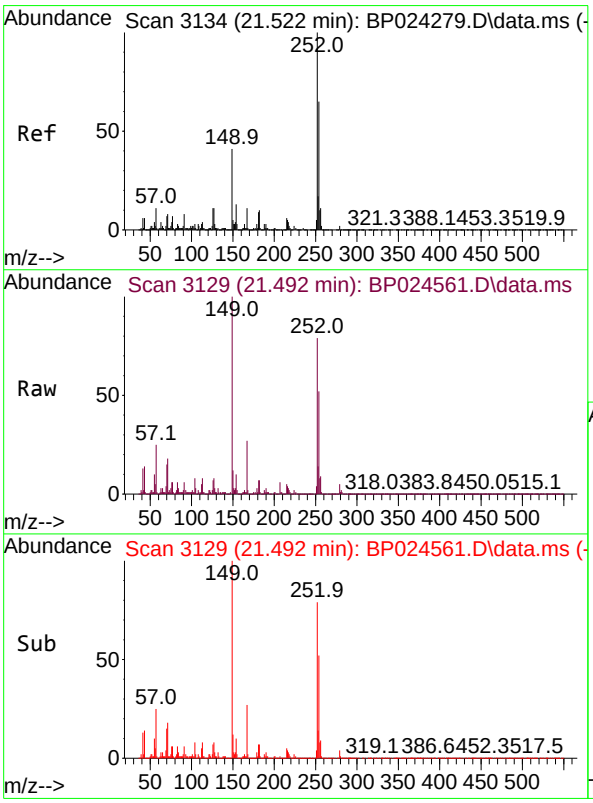
#81
Benzo(a)anthracene
Concen: 47.410 ng
RT: 21.575 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion:228 Resp: 2578474

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.8	32.8
229	19.8	15.9	23.9

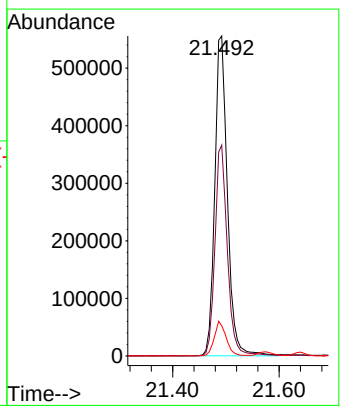


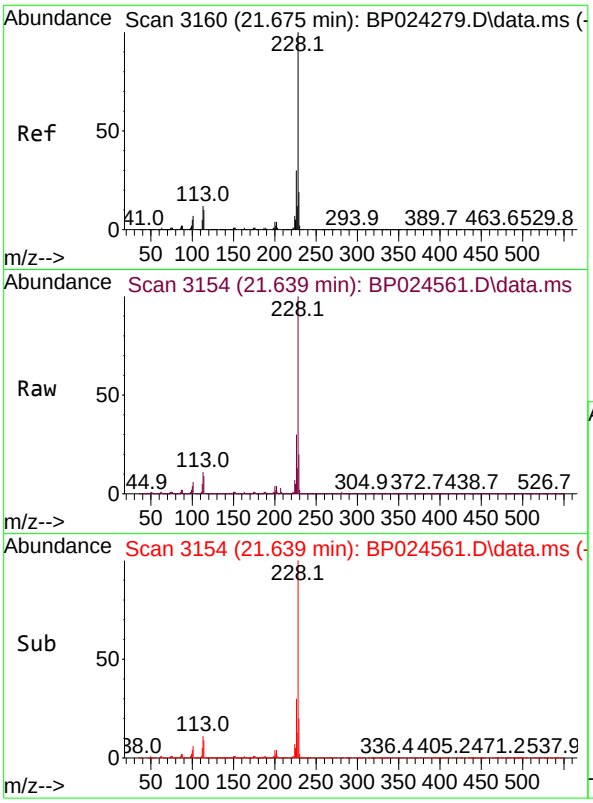


#82
3,3'-Dichlorobenzidine
Concen: 47.983 ng
RT: 21.492 min Scan# 3129
Delta R.T. 0.000 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion:252 Resp: 915952

Ion	Ratio	Lower	Upper
252	100		
254	65.9	51.7	77.5
126	9.5	8.8	13.2



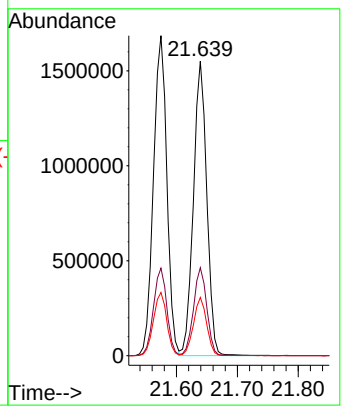


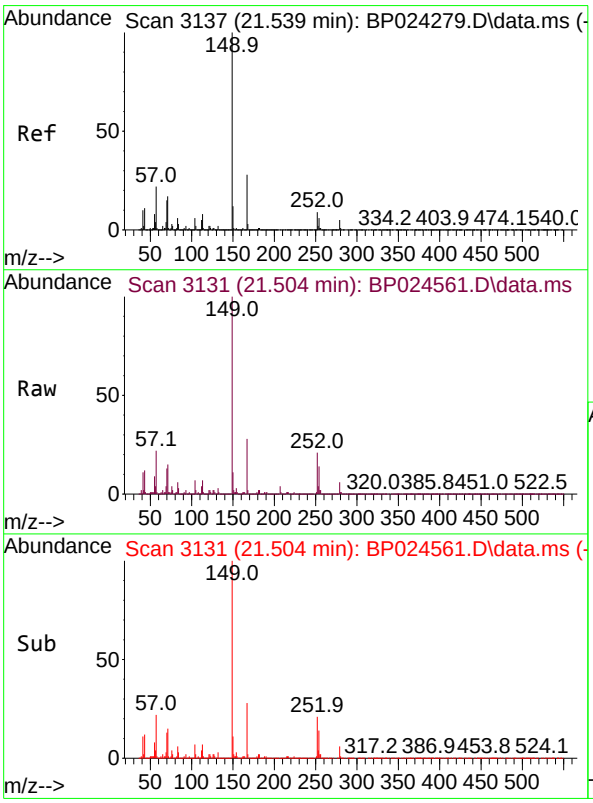
#83
Chrysene
Concen: 45.294 ng
RT: 21.639 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion:228 Resp: 2360029

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.2	36.2
229	19.8	15.6	23.4

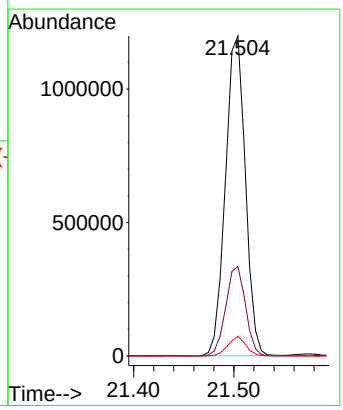


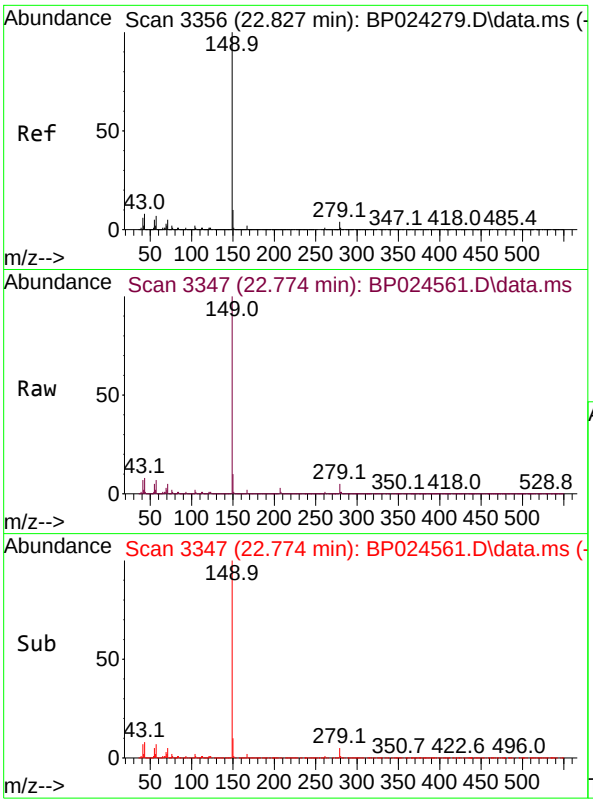


#84
Bis(2-ethylhexyl)phthalate
Concen: 47.366 ng
RT: 21.504 min Scan# 3131
Delta R.T. -0.006 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion:149 Resp: 1653841

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.4	33.6
279	6.1	4.0	6.0#



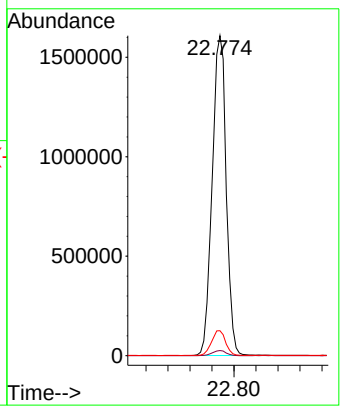


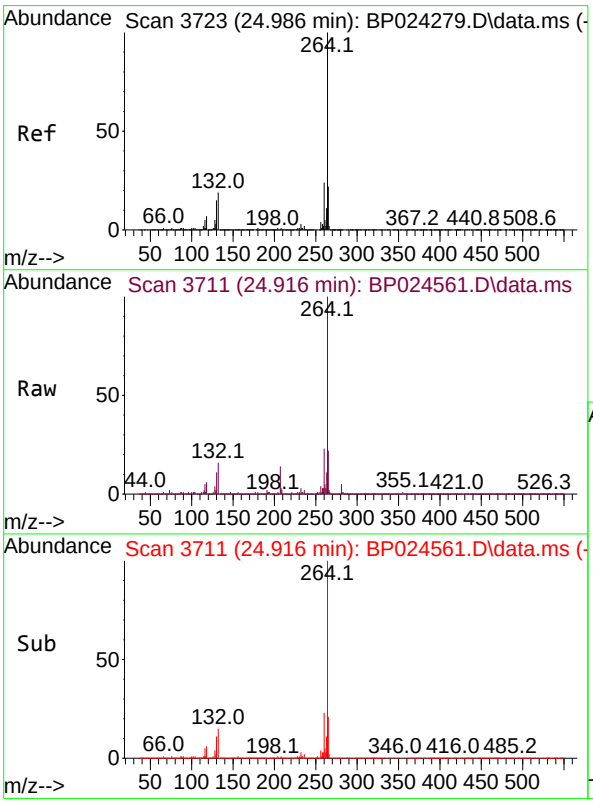
#85
Di-n-octyl phthalate
Concen: 50.185 ng
RT: 22.774 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion:149 Resp: 2848693

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.8	6.0	9.0

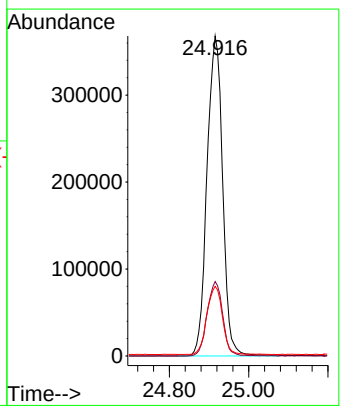


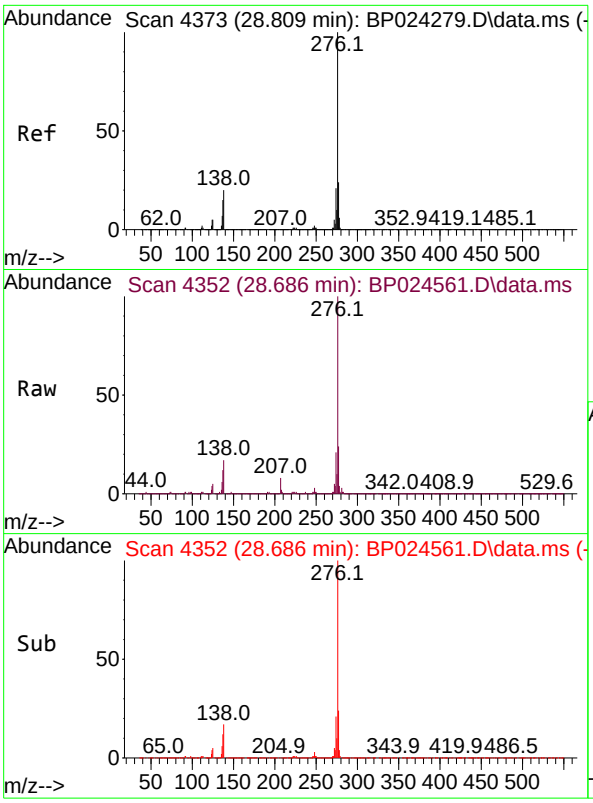


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.916 min Scan# 3711
Delta R.T. -0.018 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion:264 Resp: 1004964

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.9	28.3
265	21.8	17.8	26.6



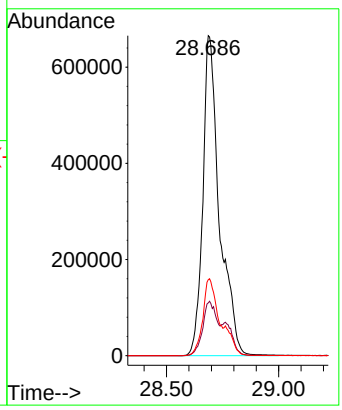


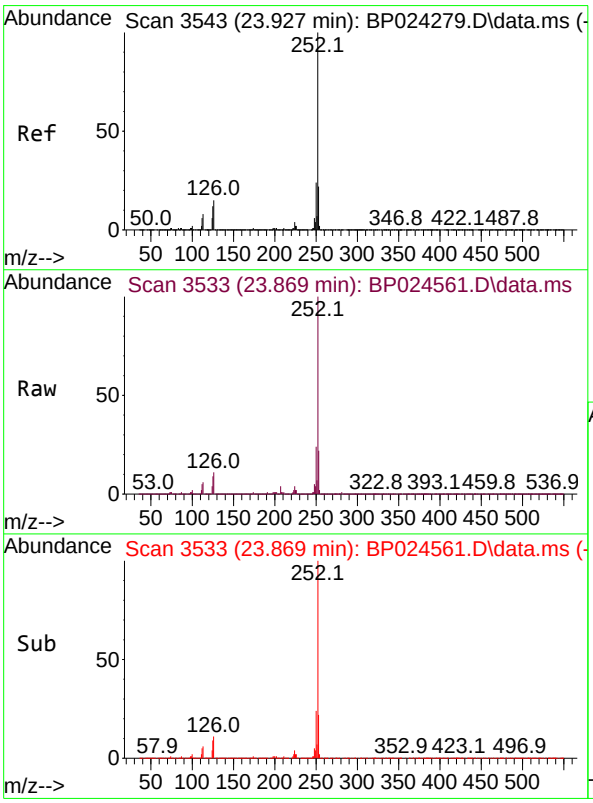
#87
Indeno(1,2,3-cd)pyrene
Concen: 49.152 ng
RT: 28.686 min Scan# 4
Delta R.T. -0.053 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion:276 Resp: 3429290

Ion	Ratio	Lower	Upper
276	100		
138	14.5	14.5	21.7
277	21.1	20.2	30.2

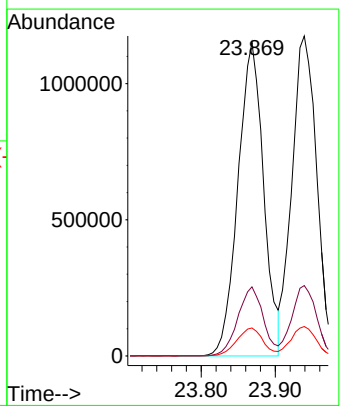


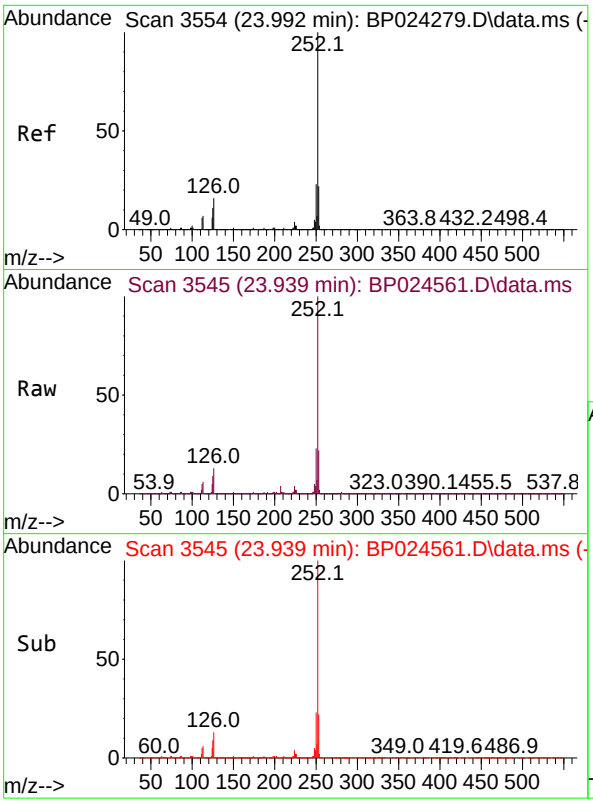


#88
Benzo(b)fluoranthene
Concen: 45.881 ng
RT: 23.869 min Scan# 3533
Delta R.T. -0.017 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion:252 Resp: 2763803

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	8.9	9.4	14.0#



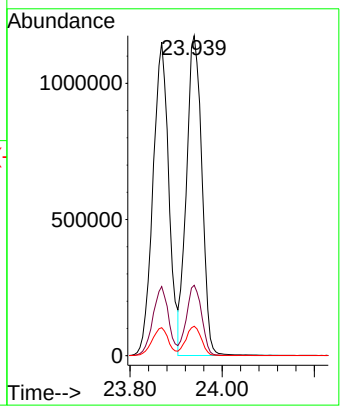


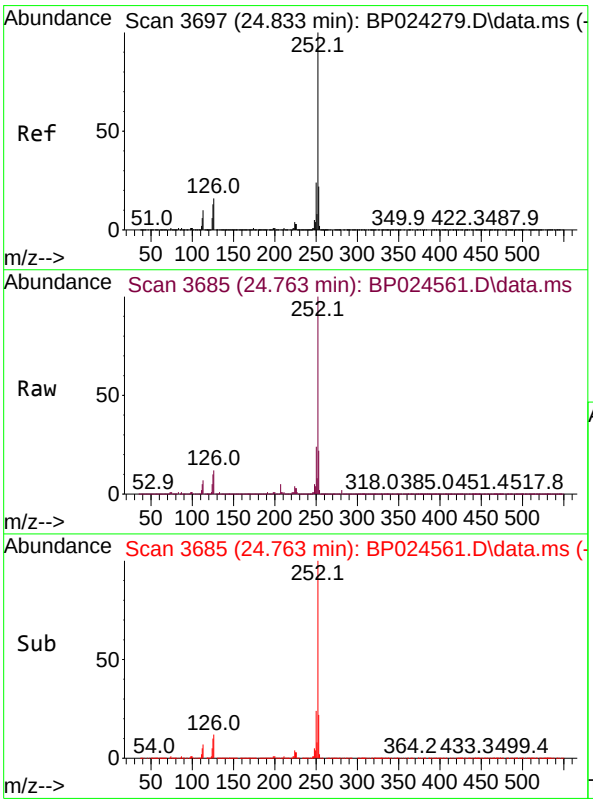
#89
Benzo(k)fluoranthene
Concen: 46.842 ng
RT: 23.939 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion:252 Resp: 2725565

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	9.2	9.1	13.7

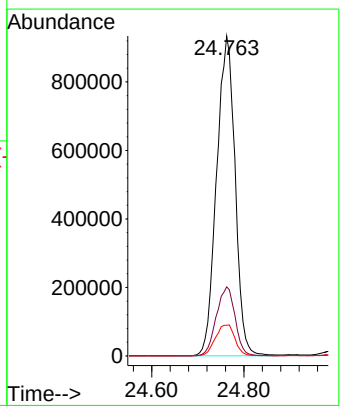


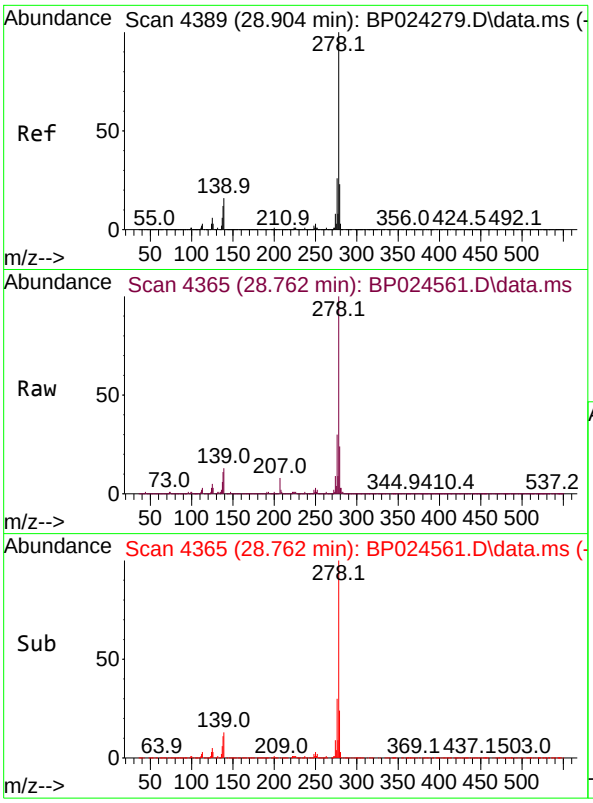


#90
Benzo(a)pyrene
Concen: 49.979 ng
RT: 24.763 min Scan# 3685
Delta R.T. -0.018 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion:252 Resp: 2596972

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.6	26.4
125	9.6	10.1	15.1#



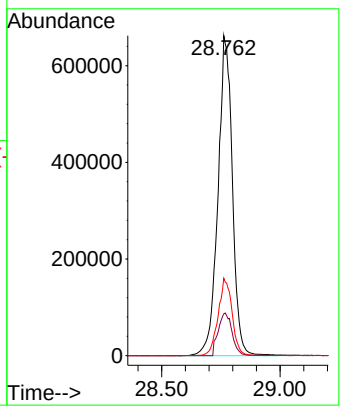


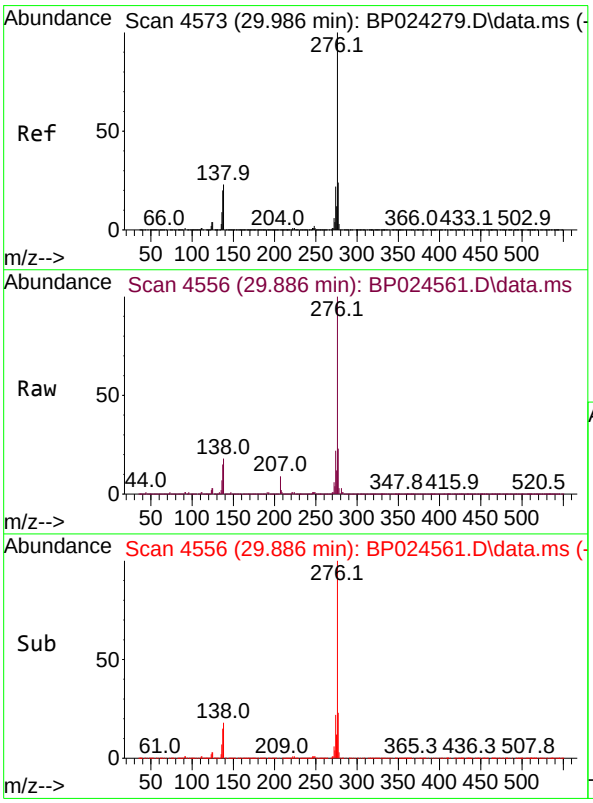
#91
Dibenzo(a,h)anthracene
Concen: 48.327 ng
RT: 28.762 min Scan# 4
Delta R.T. -0.041 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Instrument :
BNA_P
ClientSampleId :
MH-QMS

Tgt Ion:278 Resp: 2798649

Ion	Ratio	Lower	Upper
278	100		
139	13.0	12.6	19.0
279	24.2	18.5	27.7

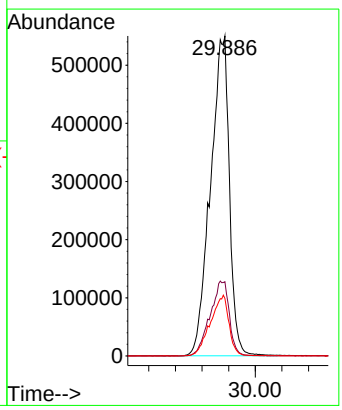




#92
Benzo(g,h,i)perylene
Concen: 46.090 ng
RT: 29.886 min Scan# 4556
Delta R.T. -0.012 min
Lab File: BP024561.D
Acq: 07 May 2025 12:56

Tgt Ion:276 Resp: 2716757

Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.9	28.3
138	18.0	18.7	28.1#



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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/24/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	COMP-2MSD	SDG No.:	Q1883
Lab Sample ID:	Q1889-02MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	80.5
Sample Wt/Vol:	30.05 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050051.D	1	04/28/25 09:45	04/30/25 18:41	PB167767

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	1.50		0.028	0.16	0.21	mg/Kg
91-57-6	2-Methylnaphthalene	1.50		0.032	0.16	0.21	mg/Kg
208-96-8	Acenaphthylene	1.60		0.036	0.16	0.21	mg/Kg
83-32-9	Acenaphthene	1.60		0.026	0.16	0.21	mg/Kg
86-73-7	Fluorene	1.60		0.031	0.16	0.21	mg/Kg
85-01-8	Phenanthrene	1.60		0.026	0.16	0.21	mg/Kg
120-12-7	Anthracene	1.60		0.041	0.16	0.21	mg/Kg
206-44-0	Fluoranthene	1.50		0.037	0.16	0.21	mg/Kg
129-00-0	Pyrene	1.50		0.045	0.16	0.21	mg/Kg
56-55-3	Benzo(a)anthracene	1.60		0.029	0.16	0.21	mg/Kg
218-01-9	Chrysene	1.60		0.025	0.16	0.21	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.50		0.024	0.16	0.21	mg/Kg
207-08-9	Benzo(k)fluoranthene	1.60		0.028	0.16	0.21	mg/Kg
50-32-8	Benzo(a)pyrene	1.60		0.037	0.16	0.21	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.70		0.036	0.16	0.21	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	1.70		0.034	0.16	0.21	mg/Kg
191-24-2	Benzo(g,h,i)perylene	1.70		0.032	0.16	0.21	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	48.9		37 - 122		49%	SPK: 100
321-60-8	2-Fluorobiphenyl	45.8		44 - 115		46%	SPK: 100
1718-51-0	Terphenyl-d14	44.9	*	54 - 127		45%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	269000	7.763				
1146-65-2	Naphthalene-d8	952000	10.557				
15067-26-2	Acenaphthene-d10	595000	14.404				
1517-22-2	Phenanthrene-d10	1090000	17.151				
1719-03-5	Chrysene-d12	1060000	21.391				
1520-96-3	Perylene-d12	1080000	24.391				

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

Report of Analysis

Client:	Nobis Group	Date Collected:	04/24/25
Project:	Raymark Superfund Site	Date Received:	04/25/25
Client Sample ID:	COMP-2MSD	SDG No.:	Q1883
Lab Sample ID:	Q1889-02MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	80.5
Sample Wt/Vol:	30.05 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050051.D	1	04/28/25 09:45	04/30/25 18:41	PB167767

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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_M\Data\BM043025\
Data File : BM050051.D
Acq On : 30 Apr 2025 18:41
Operator : RC/JU
Sample : Q1889-02MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Quant Time: May 01 02:17:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.763	152	268621	20.000	ng		0.00
21) Naphthalene-d8	10.557	136	952202	20.000	ng		0.00
39) Acenaphthene-d10	14.404	164	594823	20.000	ng		0.00
64) Phenanthrene-d10	17.151	188	1087317	20.000	ng		0.00
76) Chrysene-d12	21.391	240	1064603	20.000	ng		0.00
86) Perylene-d12	24.391	264	1079586	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.357	112	1266343	82.550	ng		0.00
7) Phenol-d6	6.945	99	1608250	83.412	ng		0.00
23) Nitrobenzene-d5	8.922	82	945248	48.917	ng		0.00
42) 2,4,6-Tribromophenol	15.898	330	677184	76.994	ng		0.00
45) 2-Fluorobiphenyl	13.027	172	2302564	45.793	ng		0.00
79) Terphenyl-d14	19.774	244	3228035	44.868	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.252	88	221021	33.603	ng		98
3) Pyridine	3.651	79	598540	35.417	ng		98
4) n-Nitrosodimethylamine	3.563	42	256302	38.669	ng		99
6) Aniline	7.092	93	367350	15.088	ng		99
8) 2-Chlorophenol	7.334	128	632596	38.140	ng		97
9) Benzaldehyde	6.910	77	291097	22.561	ng		97
10) Phenol	6.975	94	781463	40.036	ng		99
11) bis(2-Chloroethyl)ether	7.187	93	601292	36.892	ng		99
12) 1,3-Dichlorobenzene	7.651	146	717886	35.830	ng		99
13) 1,4-Dichlorobenzene	7.798	146	729230	36.229	ng		99
14) 1,2-Dichlorobenzene	8.116	146	705691	36.295	ng		99
15) Benzyl Alcohol	8.010	79	507793	37.977	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.286	45	737337	37.217	ng		99
17) 2-Methylphenol	8.222	107	492742	38.320	ng		99
18) Hexachloroethane	8.839	117	260815	36.451	ng		98
19) n-Nitroso-di-n-propyla...	8.569	70	453356	36.662	ng		98
20) 3+4-Methylphenols	8.551	107	660161	38.017	ng		98
22) Acetophenone	8.586	105	891086	37.641	ng	#	98
24) Nitrobenzene	8.963	77	644561	38.577	ng		99
25) Isophorone	9.492	82	1201170	36.466	ng		98
26) 2-Nitrophenol	9.675	139	326061	38.199	ng		96
27) 2,4-Dimethylphenol	9.745	122	550372	38.880	ng		99
28) bis(2-Chloroethoxy)met...	9.969	93	766584	37.653	ng		100
29) 2,4-Dichlorophenol	10.228	162	616533	38.877	ng		100
30) 1,2,4-Trichlorobenzene	10.422	180	717222	37.121	ng		100
31) Naphthalene	10.604	128	1792852	37.179	ng		100
32) Benzoic acid	9.904	122	316166	34.922	ng		98
33) 4-Chloroaniline	10.733	127	163398	8.267	ng		99
34) Hexachlorobutadiene	10.892	225	456879	37.252	ng		99
35) Caprolactam	11.516	113	154454	33.403	ng		88
36) 4-Chloro-3-methylphenol	11.863	107	537050	36.655	ng		99
37) 2-Methylnaphthalene	12.222	142	1178033	36.437	ng		99
38) 1-Methylnaphthalene	12.439	142	1233882	36.063	ng		98
40) 1,2,4,5-Tetrachloroben...	12.598	216	817095	39.682	ng		99
41) Hexachlorocyclopentadiene	12.574	237	1072435	85.224	ng		99
43) 2,4,6-Trichlorophenol	12.845	196	514624	39.404	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050051.D
Acq On : 30 Apr 2025 18:41
Operator : RC/JU
Sample : Q1889-02MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Quant Time: May 01 02:17:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

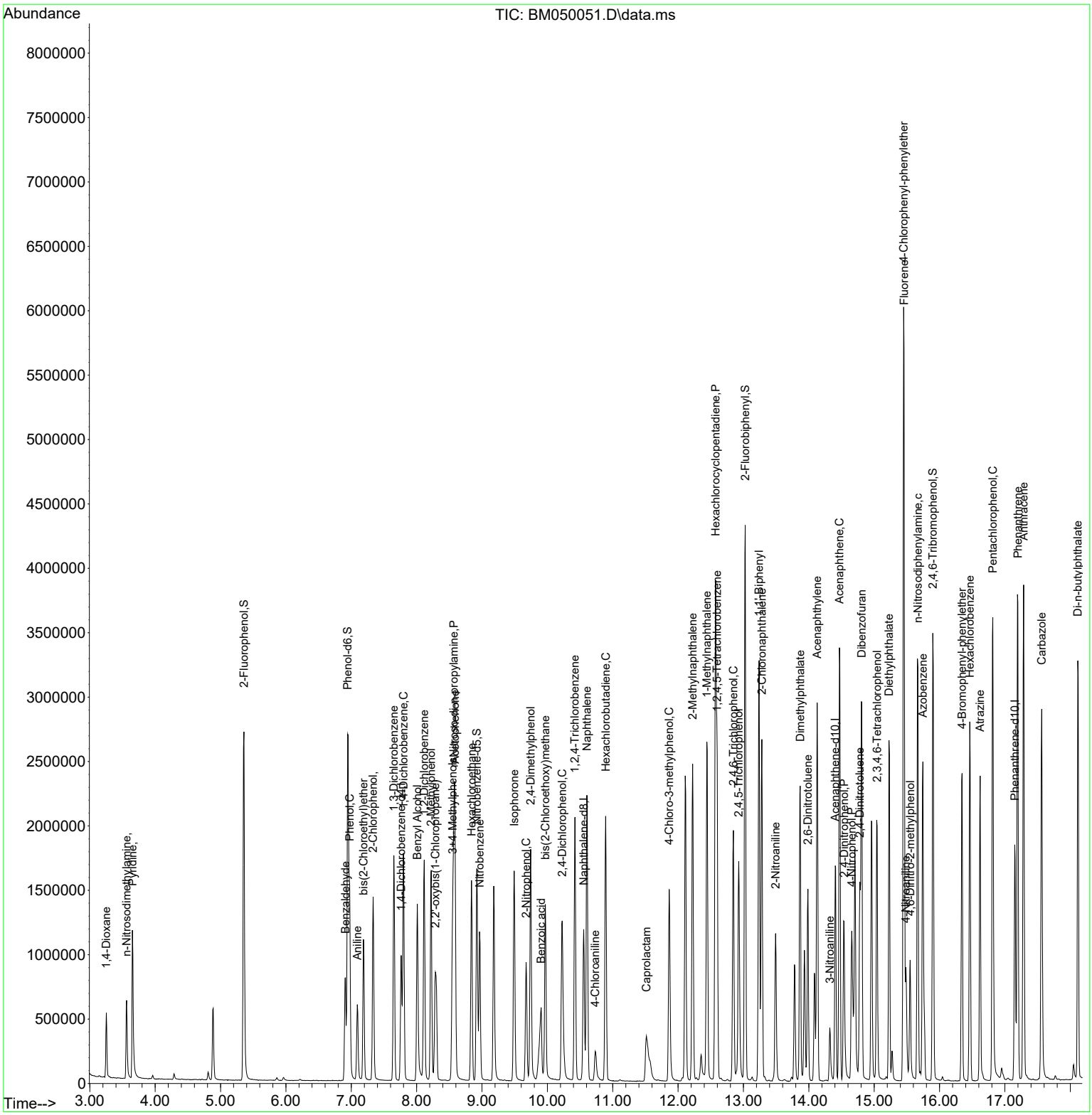
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.927	196	551094	39.130	ng	99
46) 1,1'-Biphenyl	13.239	154	1724245	38.996	ng	100
47) 2-Chloronaphthalene	13.280	162	1363033	38.922	ng	99
48) 2-Nitroaniline	13.492	65	319598	38.885	ng	99
49) Acenaphthylene	14.127	152	2083866	37.741	ng	100
50) Dimethylphthalate	13.868	163	1584975	36.461	ng	100
51) 2,6-Dinitrotoluene	13.986	165	339189	37.686	ng	96
52) Acenaphthene	14.468	154	1200585	37.565	ng	99
53) 3-Nitroaniline	14.321	138	121020	14.084	ng	98
54) 2,4-Dinitrophenol	14.539	184	366009	64.725	ng	98
55) Dibenzofuran	14.810	168	1964264	36.940	ng	99
56) 4-Nitrophenol	14.657	139	502037	72.280	ng	96
57) 2,4-Dinitrotoluene	14.780	165	464363	37.338	ng	97
58) Fluorene	15.457	166	1650249	37.915	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.045	232	445647	36.556	ng	99
60) Diethylphthalate	15.227	149	1469398	35.873	ng	99
61) 4-Chlorophenyl-phenyle...	15.451	204	907435	37.958	ng	100
62) 4-Nitroaniline	15.486	138	270809	32.665	ng	93
63) Azobenzene	15.745	77	1448547	42.197	ng	98
65) 4,6-Dinitro-2-methylph...	15.551	198	237957	34.962	ng	98
66) n-Nitrosodiphenylamine	15.668	169	1316779	39.438	ng	100
67) 4-Bromophenyl-phenylether	16.345	248	511324	38.888	ng	98
68) Hexachlorobenzene	16.462	284	584856	38.588	ng	99
69) Atrazine	16.621	200	457942	38.023	ng	99
70) Pentachlorophenol	16.815	266	726819	85.193	ng	99
71) Phenanthrene	17.198	178	2337865	38.122	ng	99
72) Anthracene	17.286	178	2381496	38.373	ng	100
73) Carbazole	17.562	167	2011901	37.359	ng	100
74) Di-n-butylphthalate	18.115	149	2411092	37.595	ng	99
75) Fluoranthene	19.215	202	2669187	37.072	ng	100
77) Benzidine	19.403	184	1006375	26.613	ng	99
78) Pyrene	19.574	202	2761052	36.932	ng	100
80) Butylbenzylphthalate	20.474	149	1035927	36.997	ng	98
81) Benzo(a)anthracene	21.374	228	2802323	38.225	ng	100
82) 3,3'-Dichlorobenzidine	21.297	252	558496	19.901	ng	99
83) Chrysene	21.439	228	2574823	37.948	ng	100
84) Bis(2-ethylhexyl)phtha...	21.291	149	1587961	37.968	ng	98
85) Di-n-octyl phthalate	22.421	149	2626805	38.085	ng	99
87) Indeno(1,2,3-cd)pyrene	27.785	276	3254161	40.453	ng	100
88) Benzo(b)fluoranthene	23.444	252	2631049	37.475	ng	100
89) Benzo(k)fluoranthene	23.509	252	2681396	37.756	ng	100
90) Benzo(a)pyrene	24.250	252	2498009	37.988	ng	100
91) Dibenzo(a,h)anthracene	27.826	278	2663917	40.625	ng	99
92) Benzo(g,h,i)perylene	28.832	276	2561403	40.801	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050051.D
Acq On : 30 Apr 2025 18:41
Operator : RC/JU
Sample : Q1889-02MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

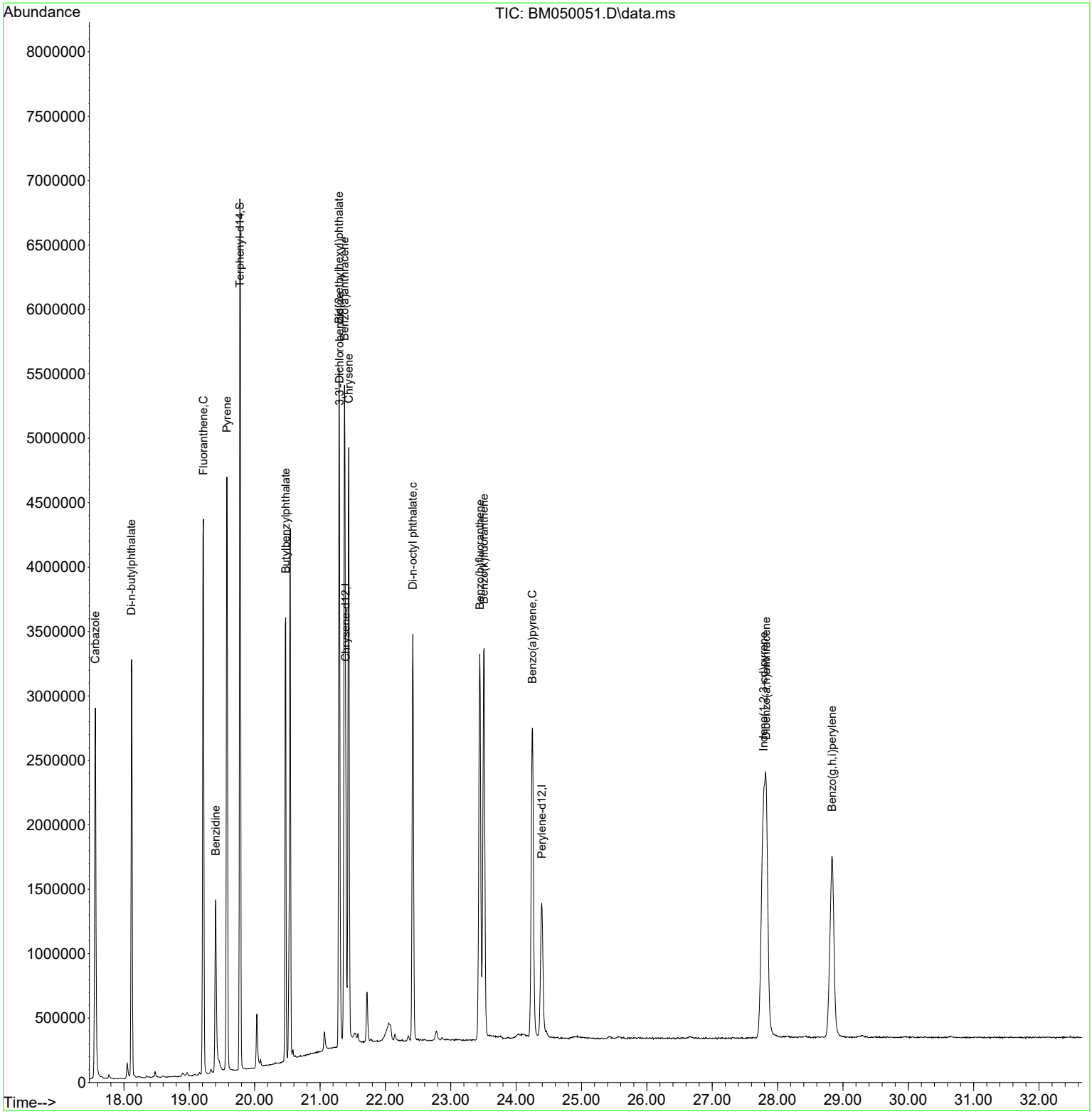
Quant Time: May 01 02:17:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

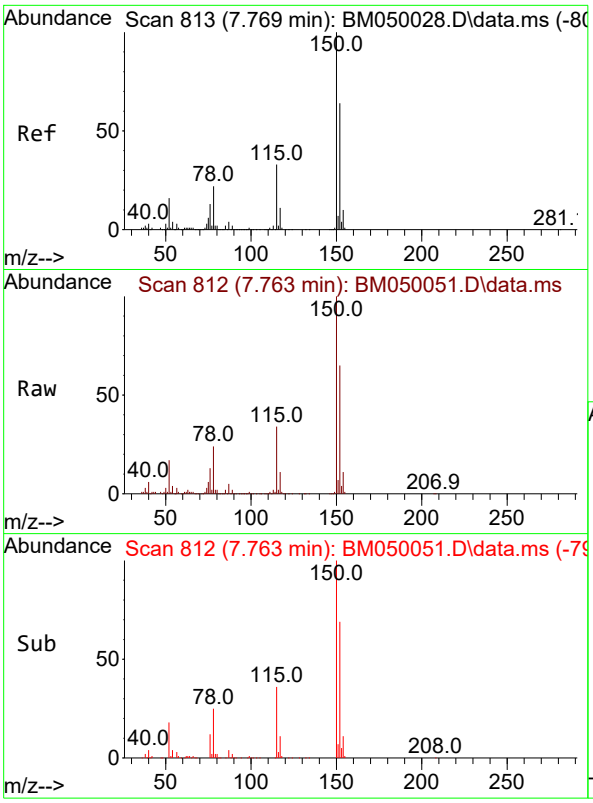


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM043025\
Data File : BM050051.D
Acq On : 30 Apr 2025 18:41
Operator : RC/JU
Sample : Q1889-02MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Quant Time: May 01 02:17:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



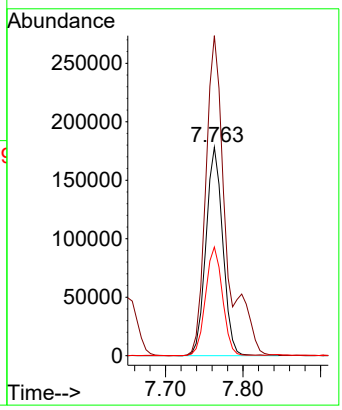


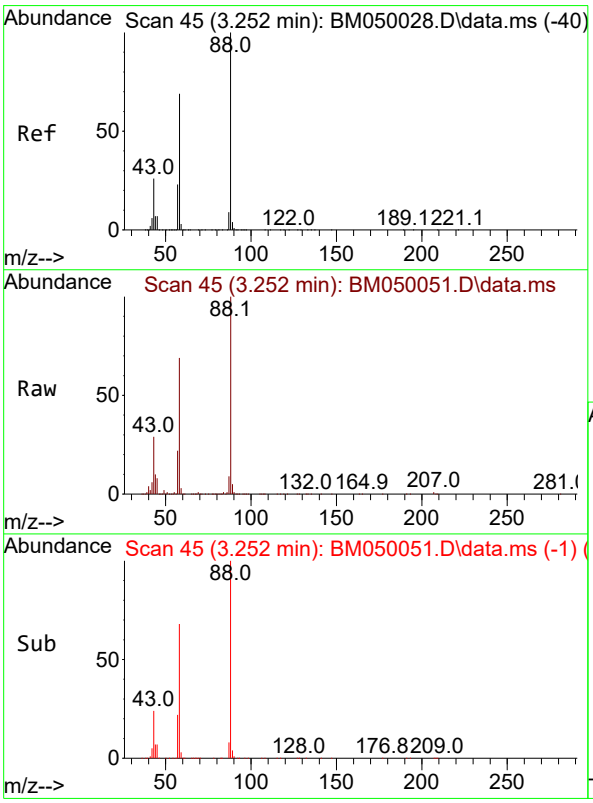
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion:152 Resp: 268621

Ion	Ratio	Lower	Upper
152	100		
150	153.5	124.1	186.1
115	52.1	41.2	61.8

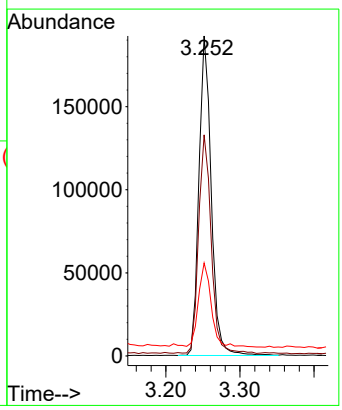


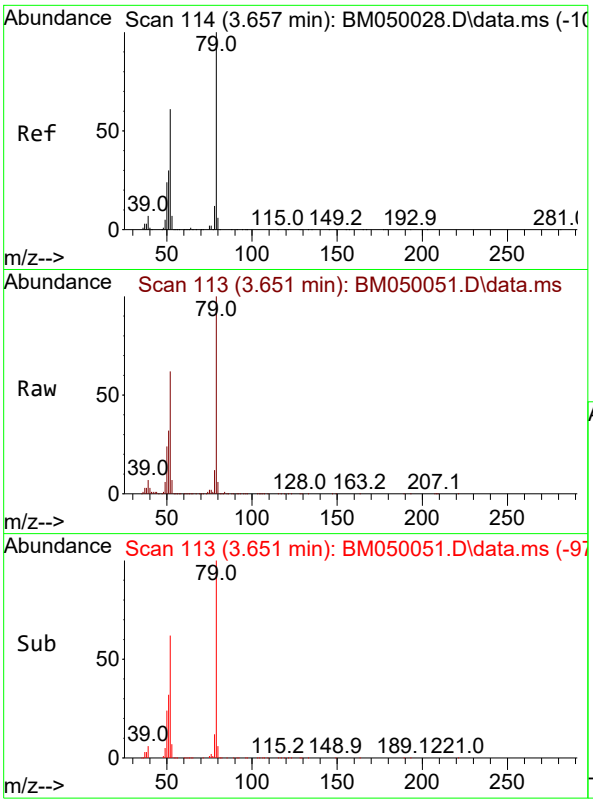


#2
1,4-Dioxane
Concen: 33.603 ng
RT: 3.252 min Scan# 45
Delta R.T. -0.000 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion: 88 Resp: 221021

Ion	Ratio	Lower	Upper
88	100		
58	69.9	55.1	82.7
43	27.4	20.9	31.3



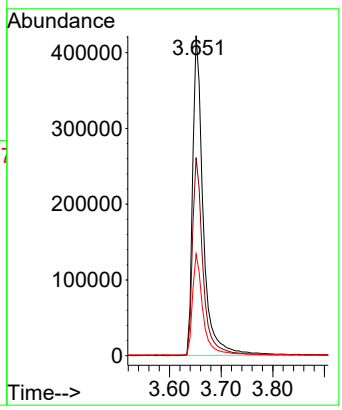


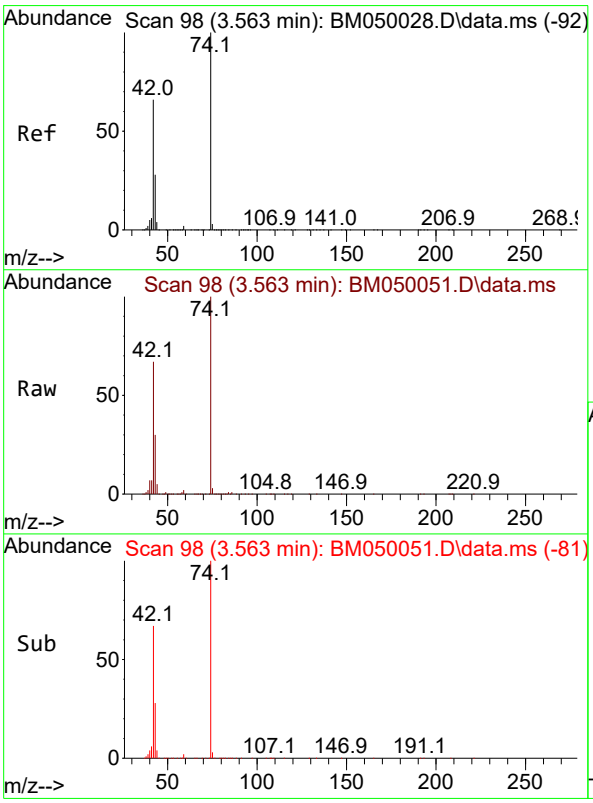
#3
Pyridine
Concen: 35.417 ng
RT: 3.651 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion: 79 Resp: 598540

Ion	Ratio	Lower	Upper
79	100		
52	61.9	48.6	72.8
51	31.8	24.6	37.0

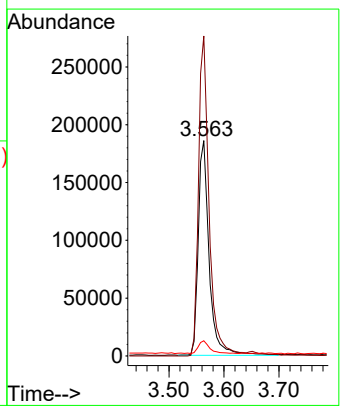


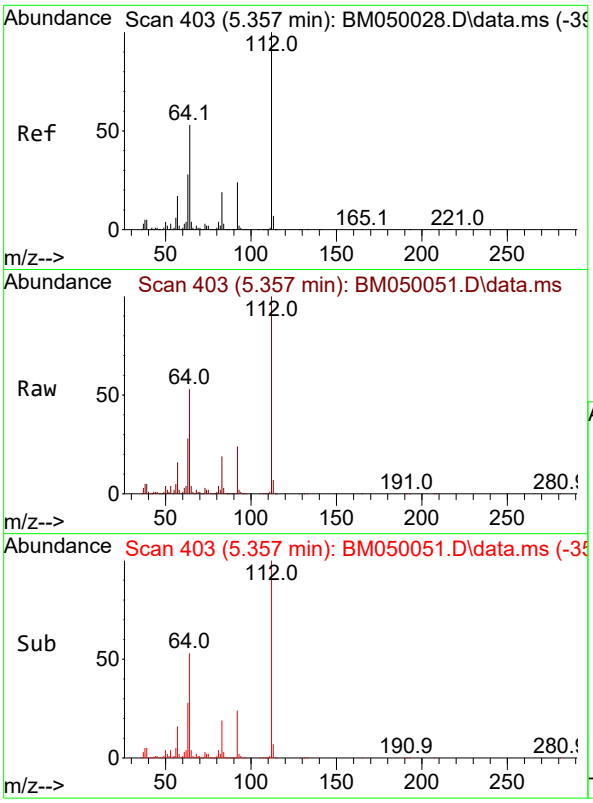


#4
n-Nitrosodimethylamine
Concen: 38.669 ng
RT: 3.563 min Scan# 98
Delta R.T. -0.000 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion: 42 Resp: 256302

Ion	Ratio	Lower	Upper
42	100		
74	148.6	120.2	180.2
44	7.0	6.2	9.2



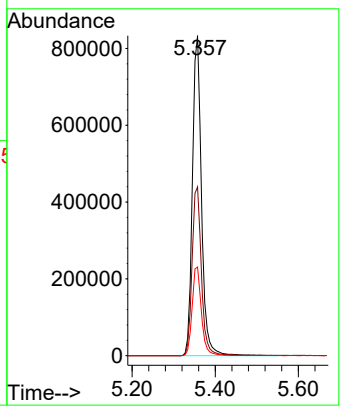


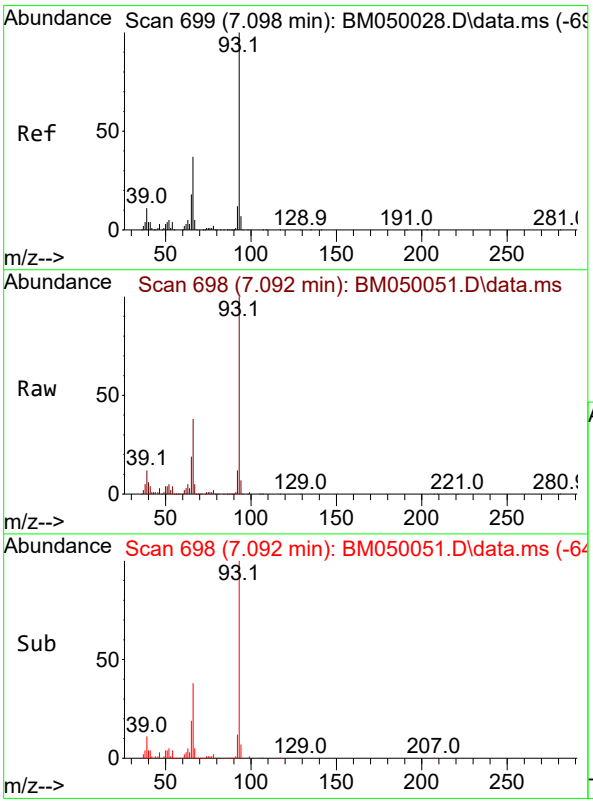
#5
2-Fluorophenol
Concen: 82.550 ng
RT: 5.357 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion:112 Resp: 1266343

Ion	Ratio	Lower	Upper
112	100		
64	52.7	42.6	64.0
63	27.7	22.2	33.4

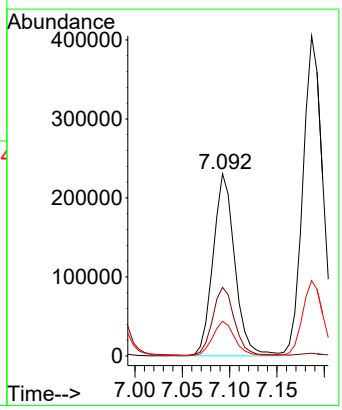


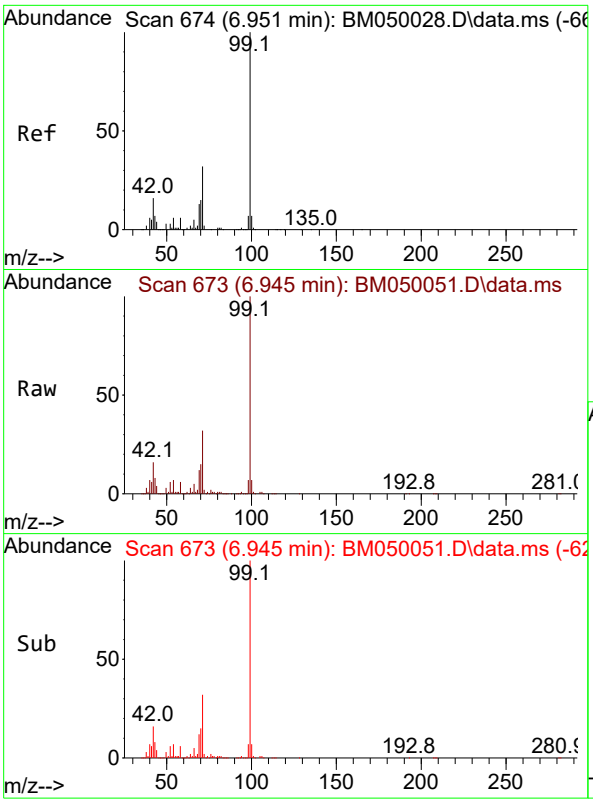


#6
Aniline
Concen: 15.088 ng
RT: 7.092 min Scan# 698
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion: 93 Resp: 367350

Ion	Ratio	Lower	Upper
93	100		
66	37.6	29.9	44.9
65	19.1	14.5	21.7



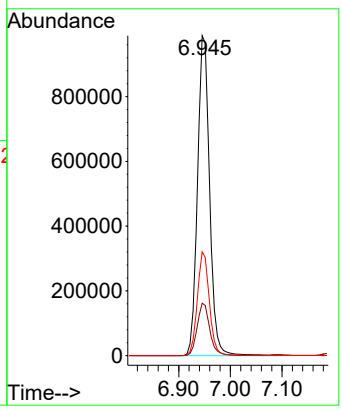


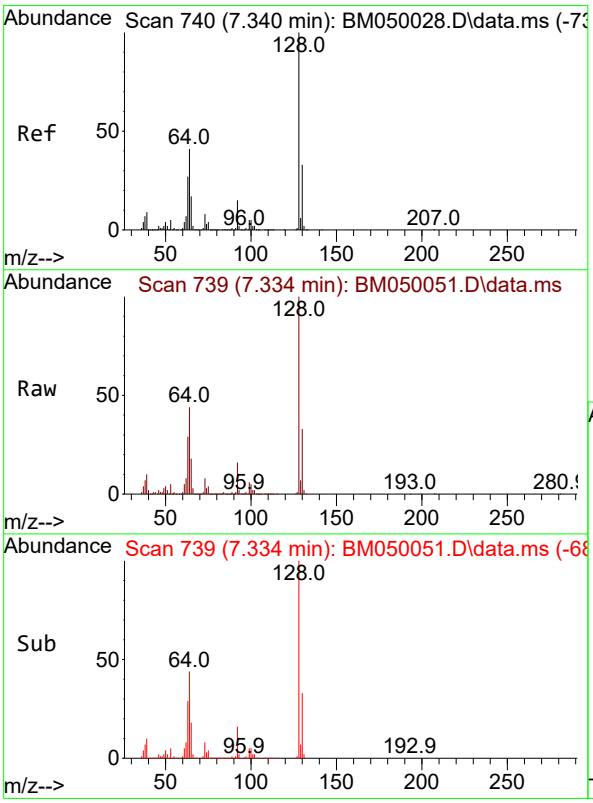
#7
Phenol-d6
Concen: 83.412 ng
RT: 6.945 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion: 99 Resp: 1608250

Ion	Ratio	Lower	Upper
99	100		
42	16.4	13.0	19.4
71	32.5	25.6	38.4

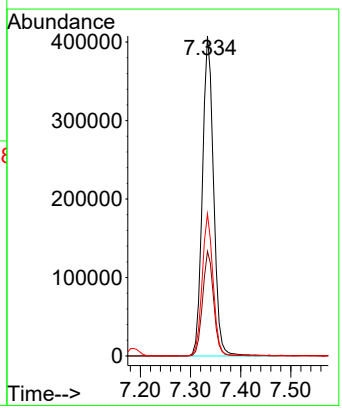


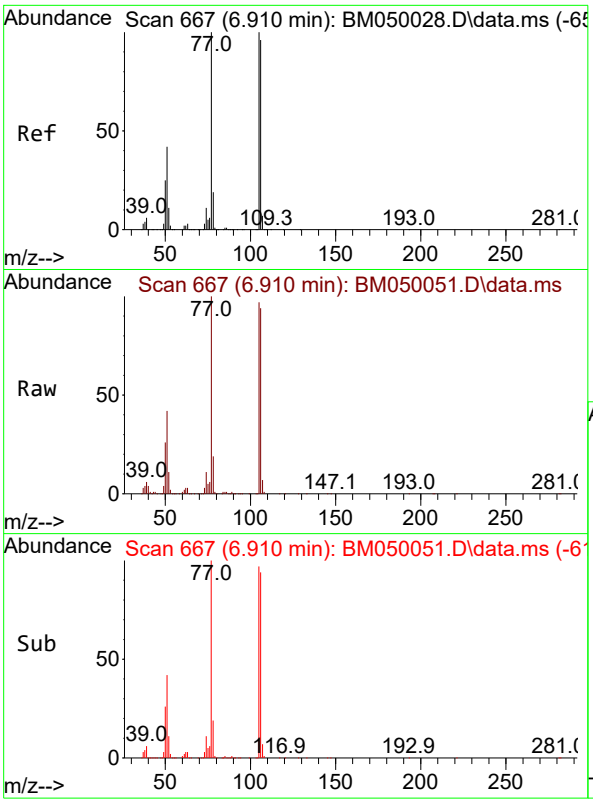


#8
2-Chlorophenol
Concen: 38.140 ng
RT: 7.334 min Scan# 739
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion:128 Resp: 632596

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.8	52.8
64	44.4	21.2	61.2



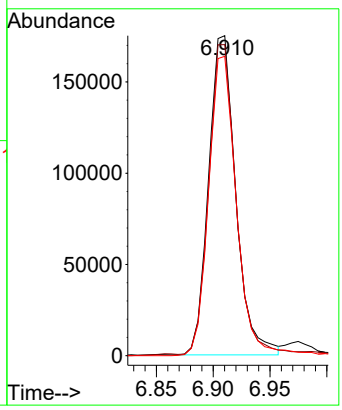


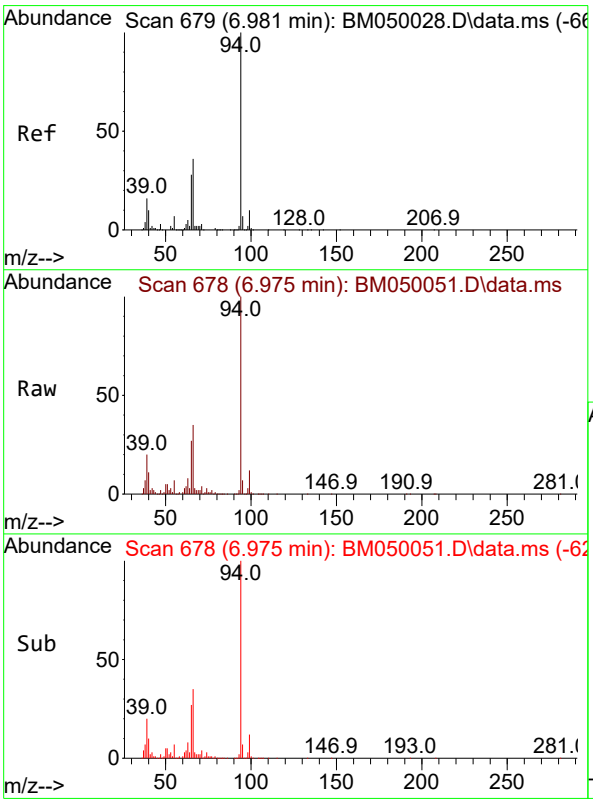
#9
Benzaldehyde
Concen: 22.561 ng
RT: 6.910 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion: 77 Resp: 291097

Ion	Ratio	Lower	Upper
77	100		
105	97.2	80.5	120.5
106	93.5	76.1	116.1

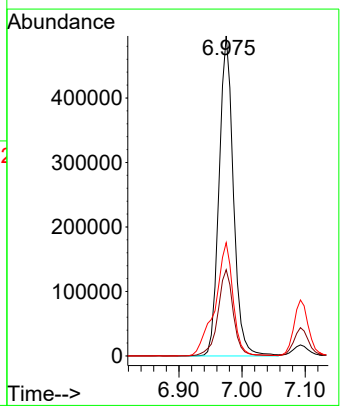


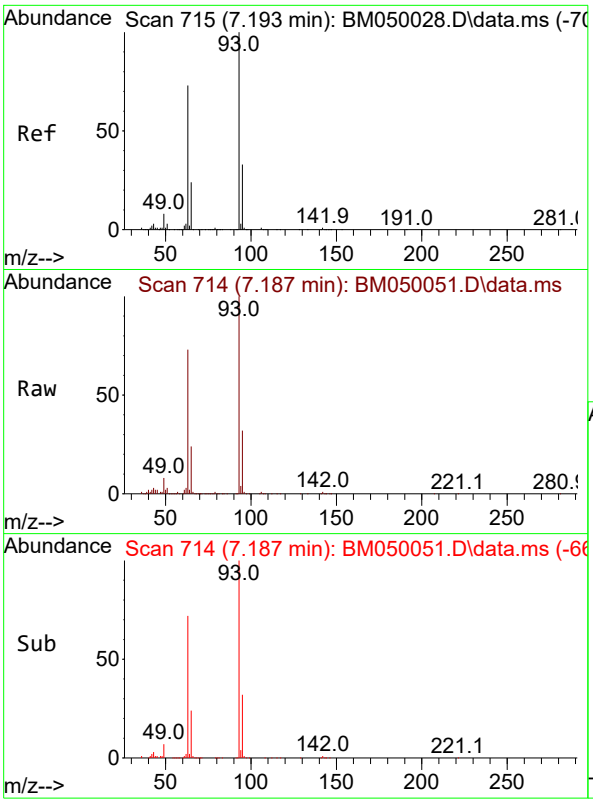


#10
Phenol
Concen: 40.036 ng
RT: 6.975 min Scan# 678
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion: 94 Resp: 781463

Ion	Ratio	Lower	Upper
94	100		
65	27.0	7.6	47.6
66	35.4	15.8	55.8



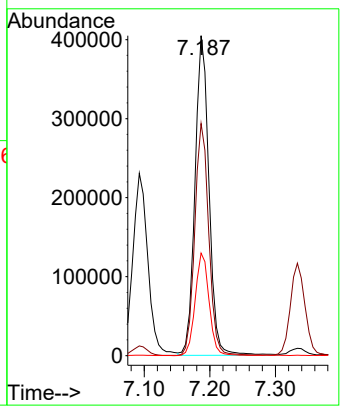


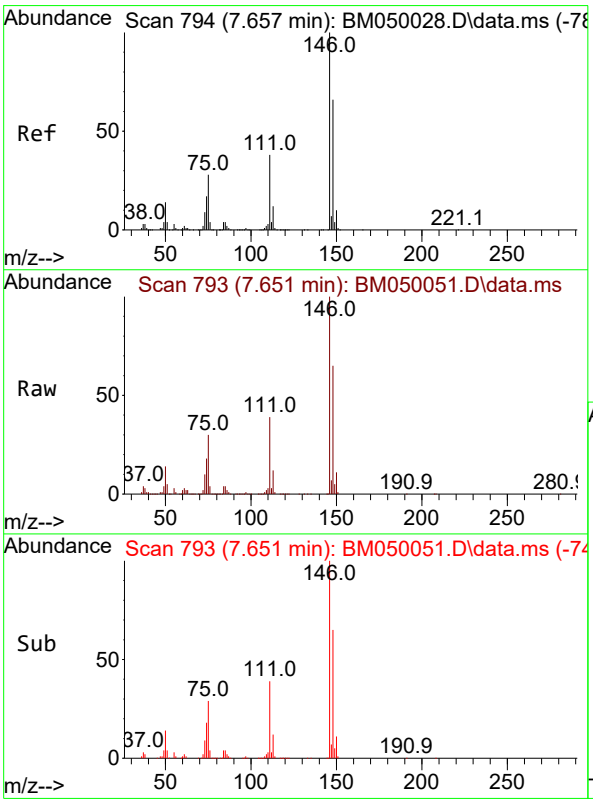
#11
bis(2-Chloroethyl)ether
Concen: 36.892 ng
RT: 7.187 min Scan# 7
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion: 93 Resp: 601292

Ion	Ratio	Lower	Upper
93	100		
63	72.5	52.3	92.3
95	32.1	12.8	52.8

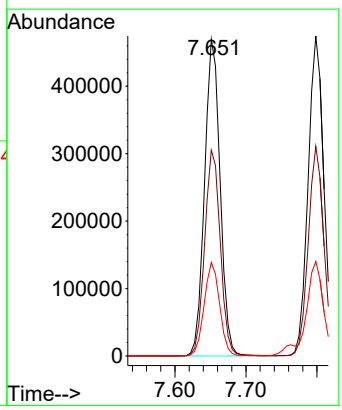


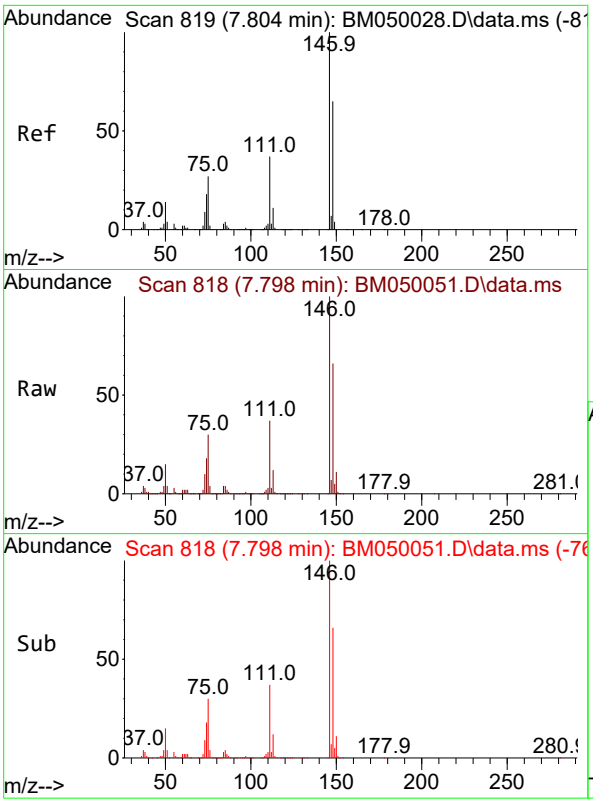


#12
1,3-Dichlorobenzene
Concen: 35.830 ng
RT: 7.651 min Scan# 793
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion:146 Resp: 717886

Ion	Ratio	Lower	Upper
146	100		
148	65.0	52.5	78.7
75	29.6	22.6	34.0



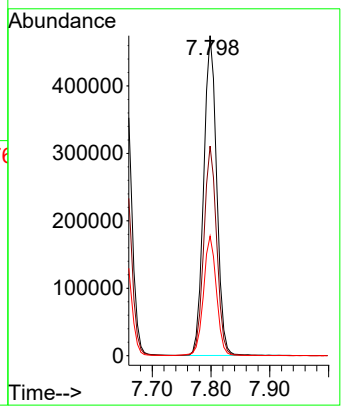


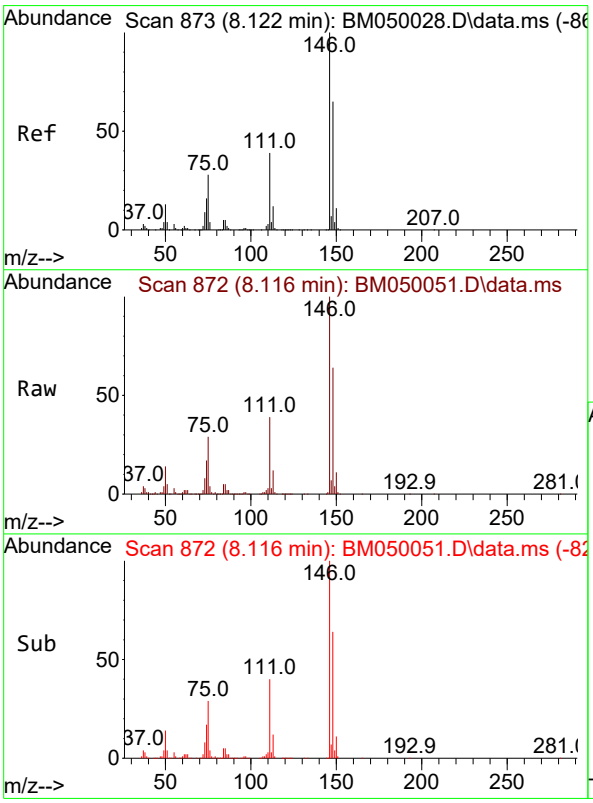
#13
1,4-Dichlorobenzene
Concen: 36.229 ng
RT: 7.798 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion:146 Resp: 729230

Ion	Ratio	Lower	Upper
146	100		
148	65.5	52.2	78.2
111	37.4	29.3	43.9

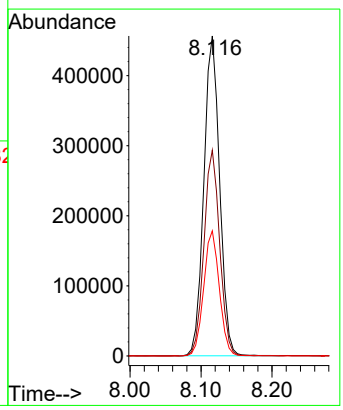


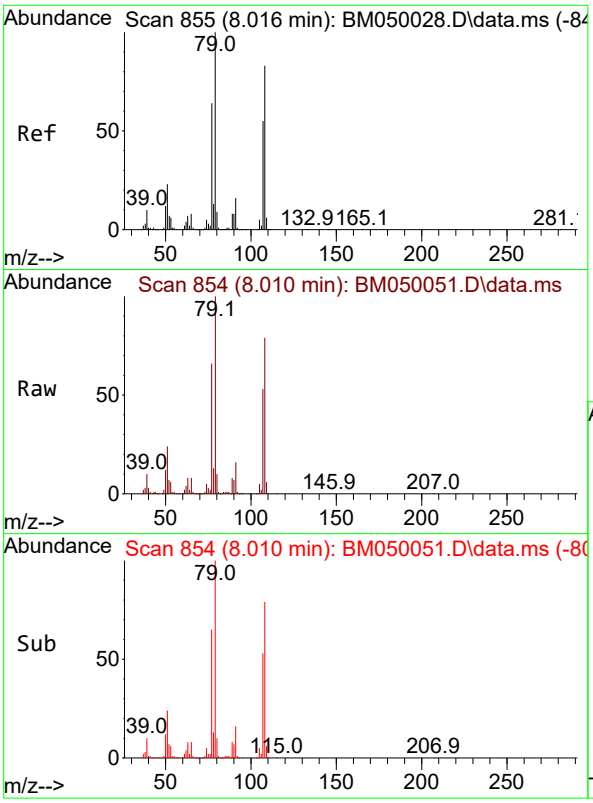


#14
1,2-Dichlorobenzene
Concen: 36.295 ng
RT: 8.116 min Scan# 872
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion:146 Resp: 705691

Ion	Ratio	Lower	Upper
146	100		
148	64.3	52.4	78.6
111	39.1	31.0	46.6



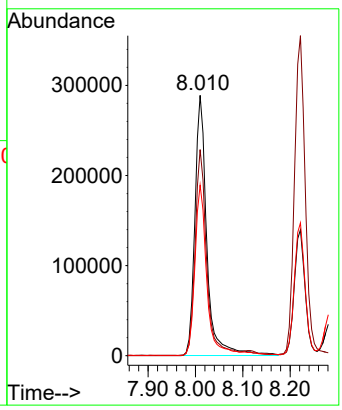


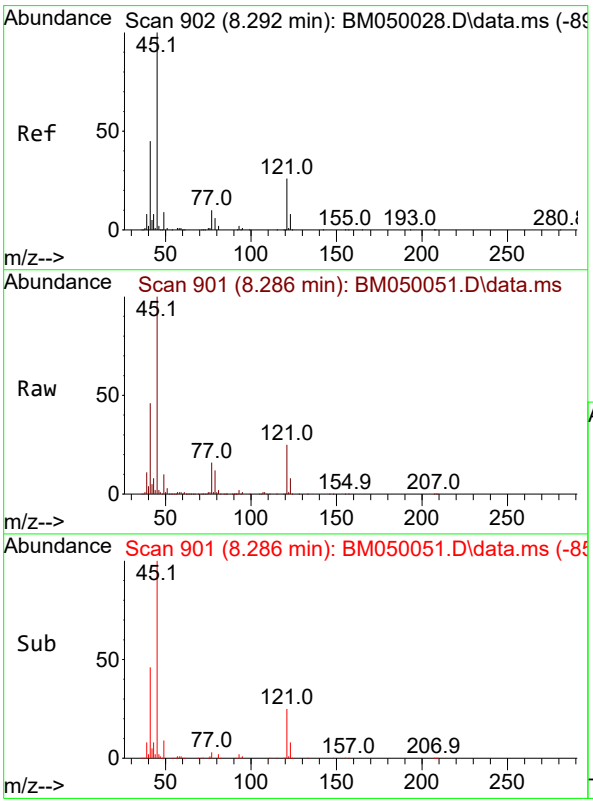
#15
Benzyl Alcohol
Concen: 37.977 ng
RT: 8.010 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion: 79 Resp: 507793

Ion	Ratio	Lower	Upper
79	100		
108	79.2	66.0	99.0
77	65.5	51.6	77.4

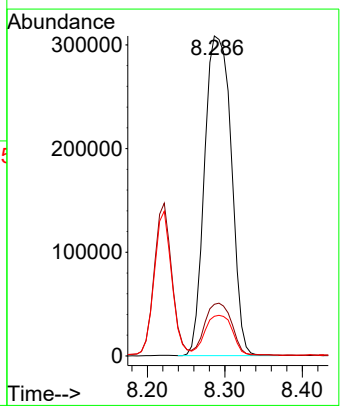


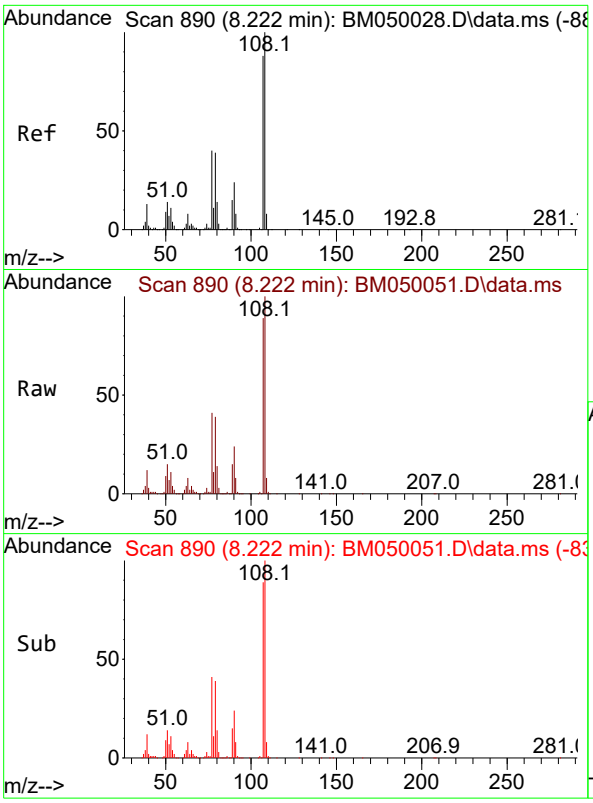


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.217 ng
RT: 8.286 min Scan# 901
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion: 45 Resp: 737337

Ion	Ratio	Lower	Upper
45	100		
77	16.1	0.0	36.4
79	12.4	0.0	32.7



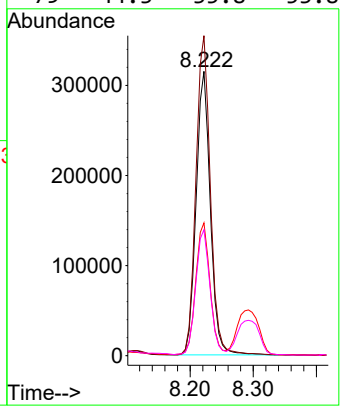


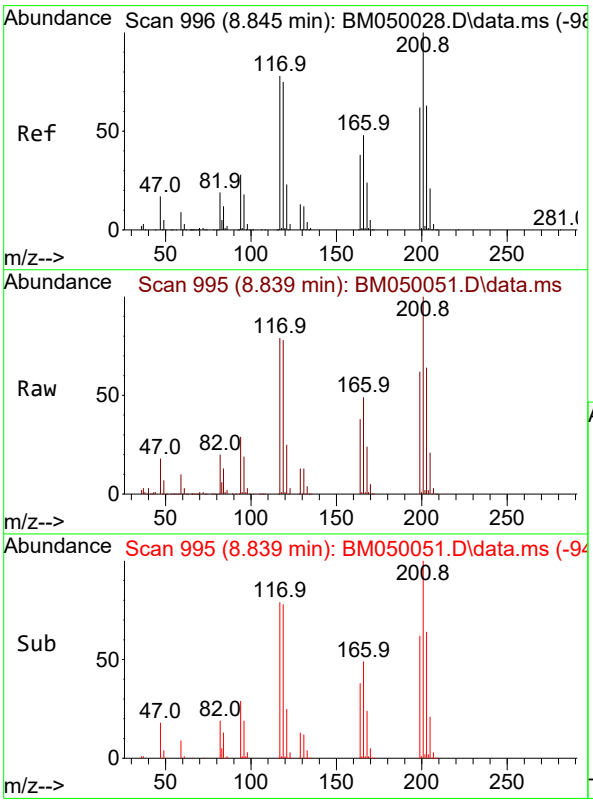
#17
2-Methylphenol
Concen: 38.320 ng
RT: 8.222 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion:107 Resp: 492742

Ion	Ratio	Lower	Upper
107	100		
108	112.6	91.1	136.7
77	46.7	36.2	54.4
79	44.3	35.8	53.8

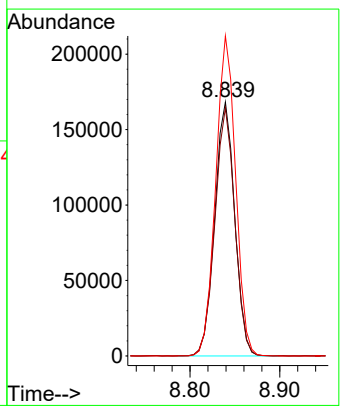


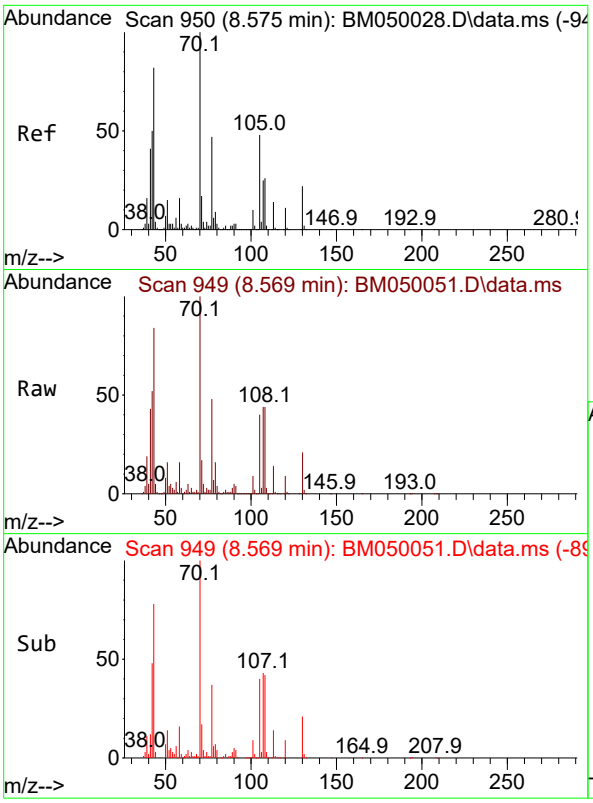


#18
Hexachloroethane
Concen: 36.451 ng
RT: 8.839 min Scan# 995
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion:117 Resp: 260815

Ion	Ratio	Lower	Upper
117	100		
119	97.7	77.3	115.9
201	126.0	102.8	154.2



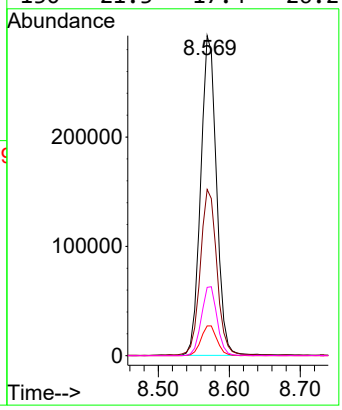


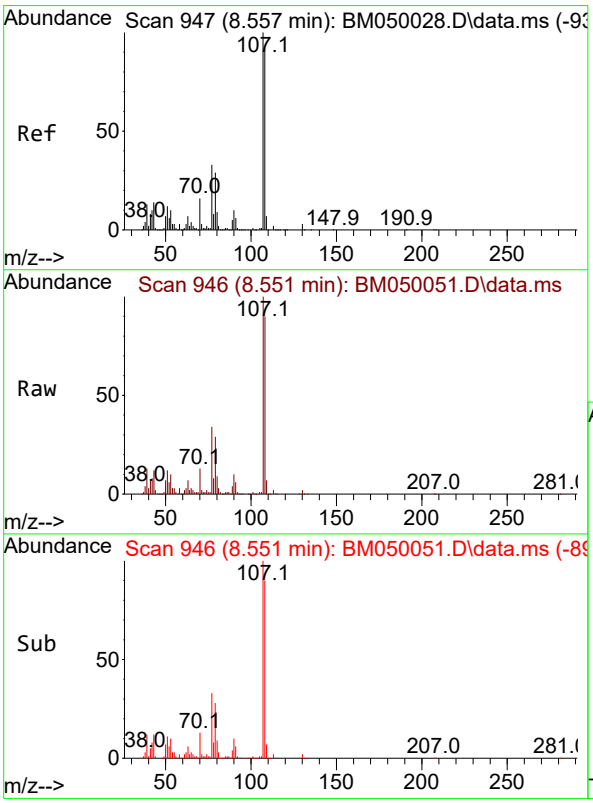
#19
n-Nitroso-di-n-propylamine
Concen: 36.662 ng
RT: 8.569 min Scan# 94
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion: 70 Resp: 453356

Ion	Ratio	Lower	Upper
70	100		
42	52.0	40.5	60.7
101	9.3	7.8	11.6
130	21.3	17.4	26.2

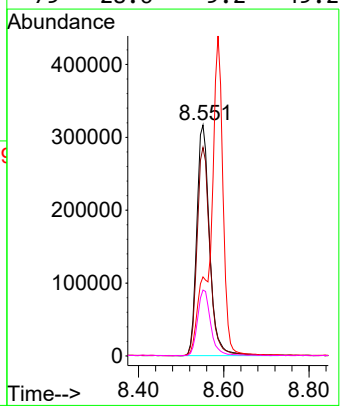


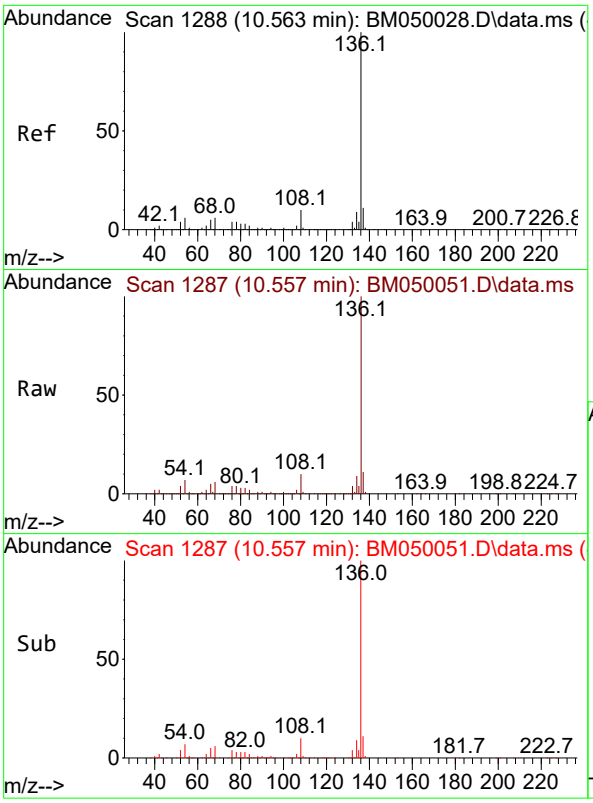


#20
3+4-Methylphenols
Concen: 38.017 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion:107 Resp: 660161

Ion	Ratio	Lower	Upper
107	100		
108	90.3	72.4	112.4
77	34.2	13.6	53.6
79	28.6	9.2	49.2



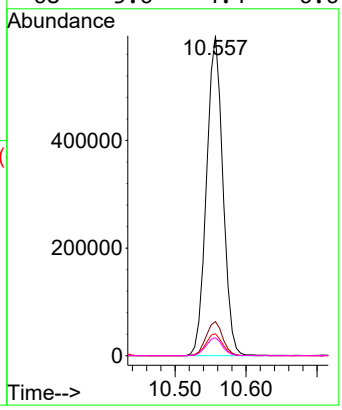


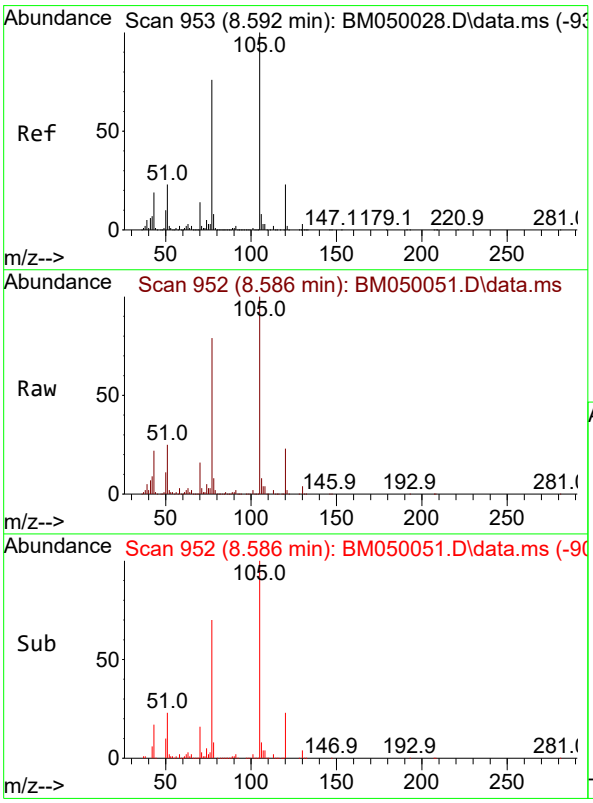
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion:136 Resp: 952202

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	6.9	5.1	7.7
68	5.6	4.4	6.6

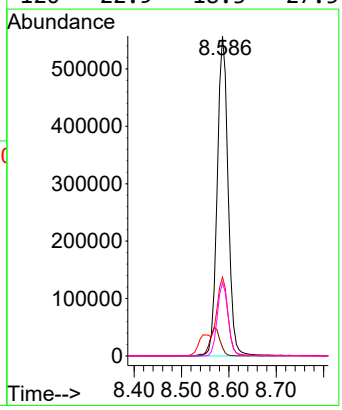


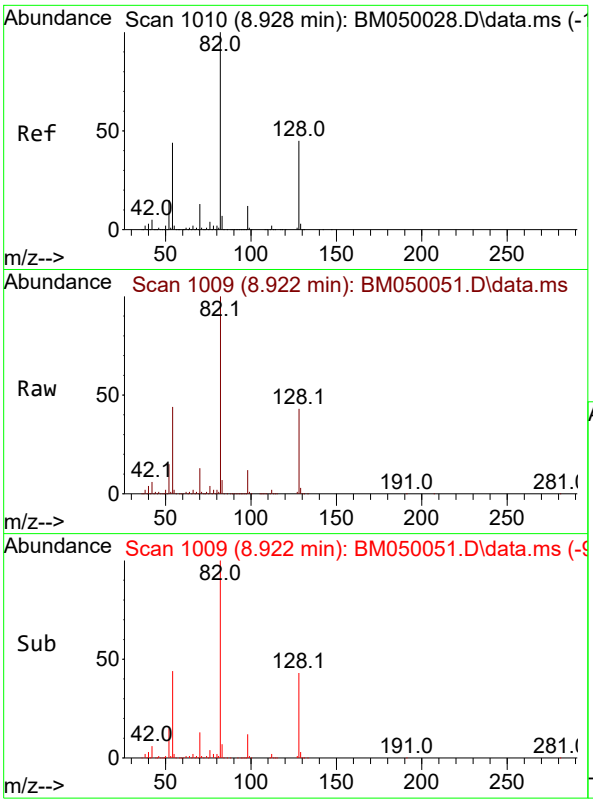


#22
Acetophenone
Concen: 37.641 ng
RT: 8.586 min Scan# 952
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion:105 Resp: 891086

Ion	Ratio	Lower	Upper
105	100		
71	2.7	1.7	2.5#
51	24.7	18.6	27.8
120	22.9	18.3	27.5



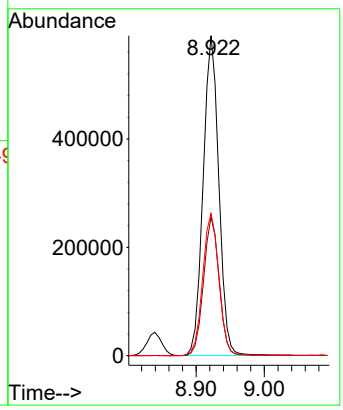


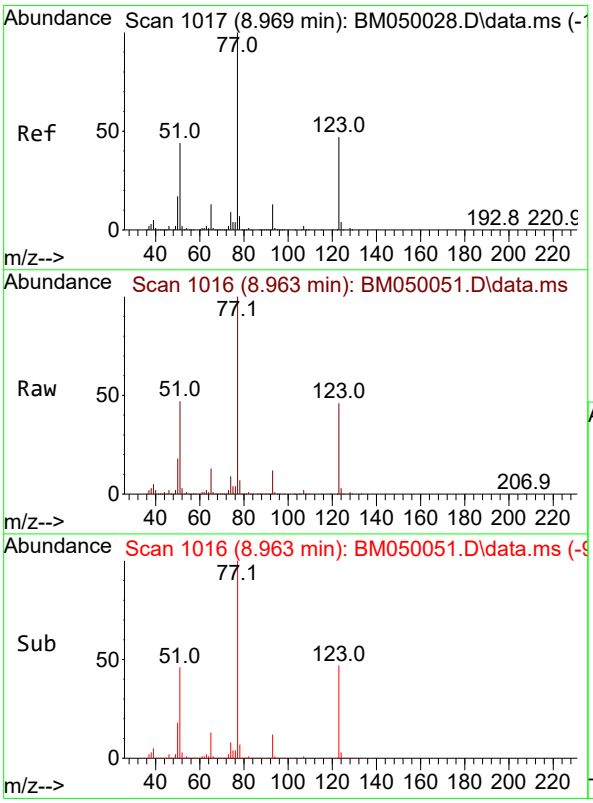
#23
Nitrobenzene-d5
Concen: 48.917 ng
RT: 8.922 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion: 82 Resp: 945248

Ion	Ratio	Lower	Upper
82	100		
128	43.3	35.7	53.5
54	44.5	35.4	53.2

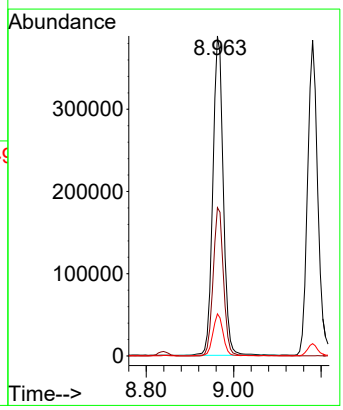


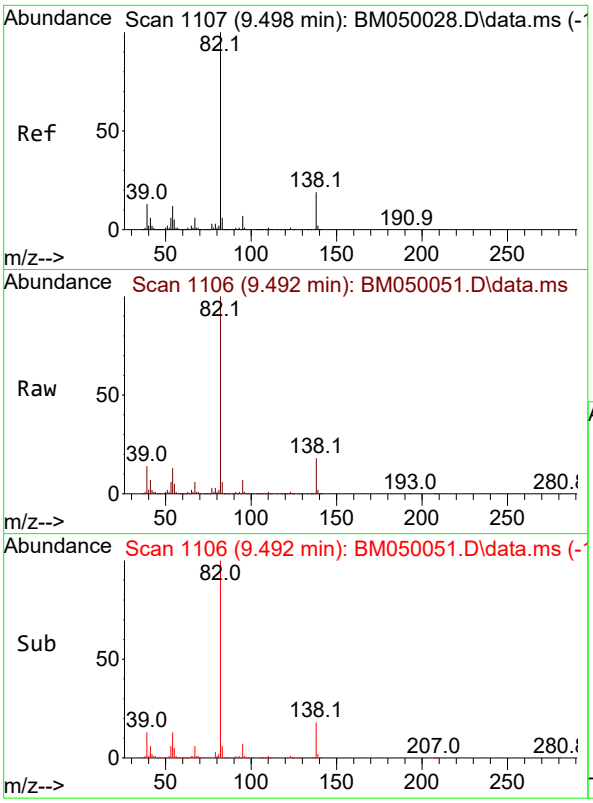


#24
Nitrobenzene
Concen: 38.577 ng
RT: 8.963 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion: 77 Resp: 644561

Ion	Ratio	Lower	Upper
77	100		
123	46.4	37.9	56.9
65	13.1	10.1	15.1



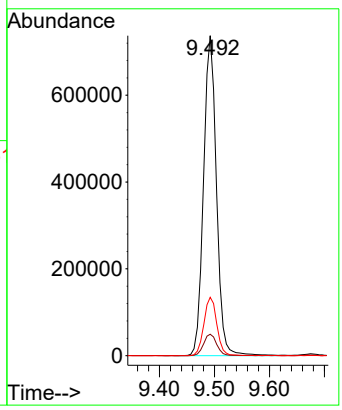


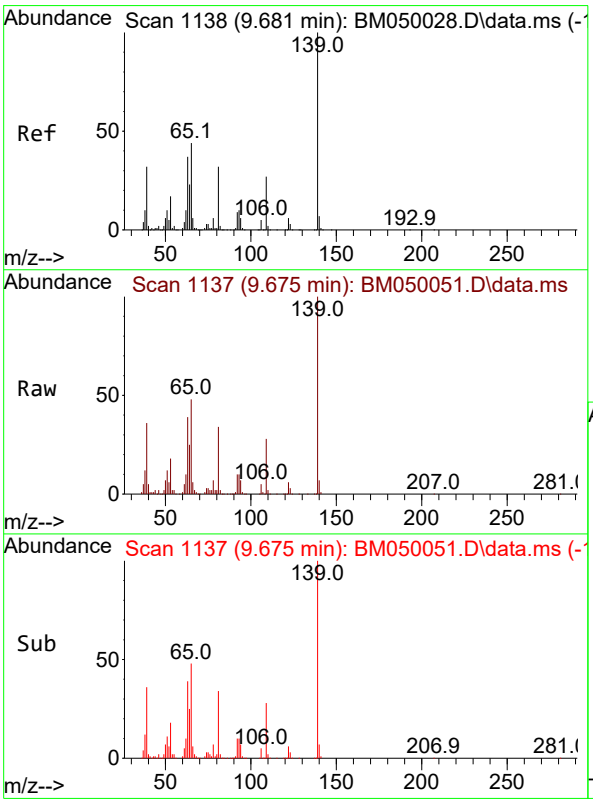
#25
Isophorone
Concen: 36.466 ng
RT: 9.492 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion: 82 Resp: 1201170

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.7	8.5
138	18.3	15.5	23.3

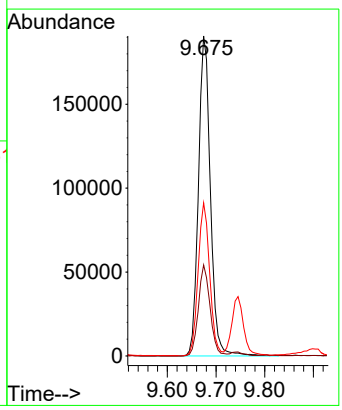


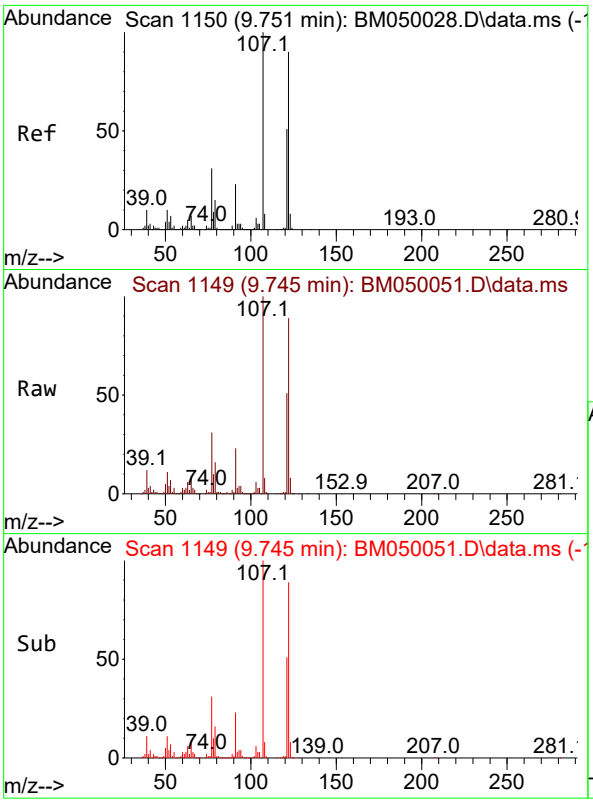


#26
2-Nitrophenol
Concen: 38.199 ng
RT: 9.675 min Scan# 1137
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion:139 Resp: 326061

Ion	Ratio	Lower	Upper
139	100		
109	28.5	21.9	32.9
65	47.9	35.4	53.2



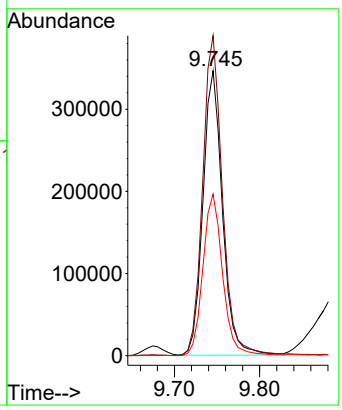


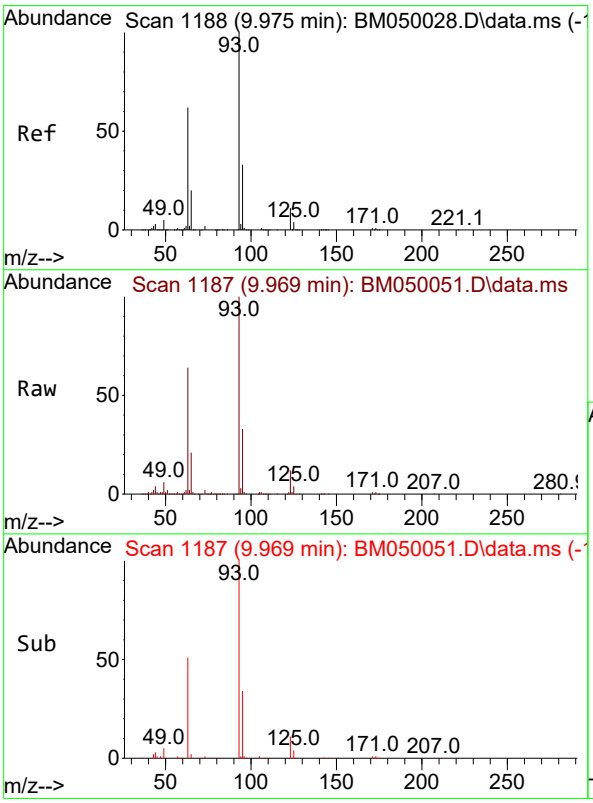
#27
2,4-Dimethylphenol
Concen: 38.880 ng
RT: 9.745 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion:122 Resp: 550372

Ion	Ratio	Lower	Upper
122	100		
107	112.3	89.0	133.6
121	56.7	45.6	68.4

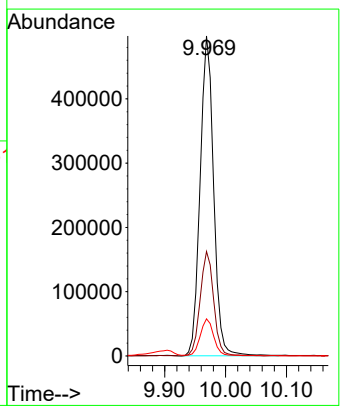


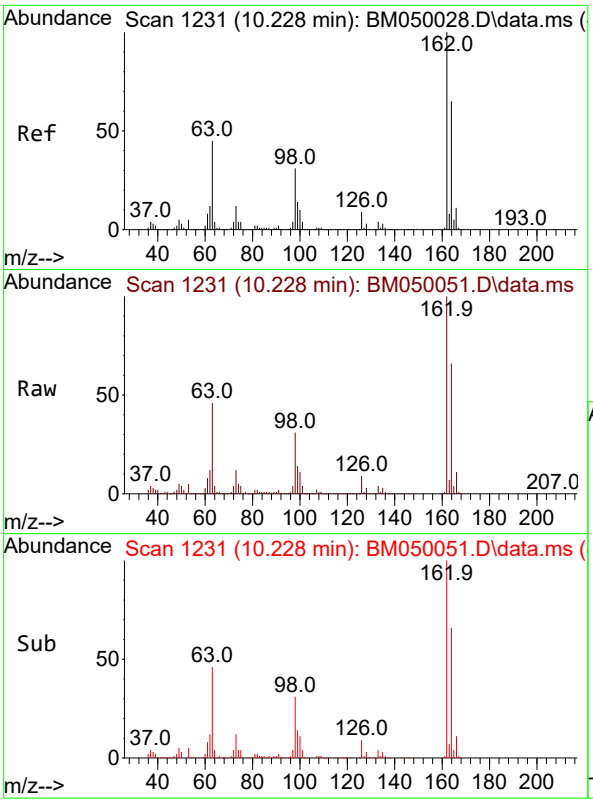


#28
bis(2-Chloroethoxy)methane
Concen: 37.653 ng
RT: 9.969 min Scan# 1187
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion: 93 Resp: 766584

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.1	39.1
123	11.6	9.5	14.3



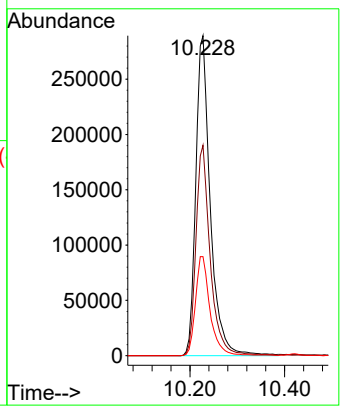


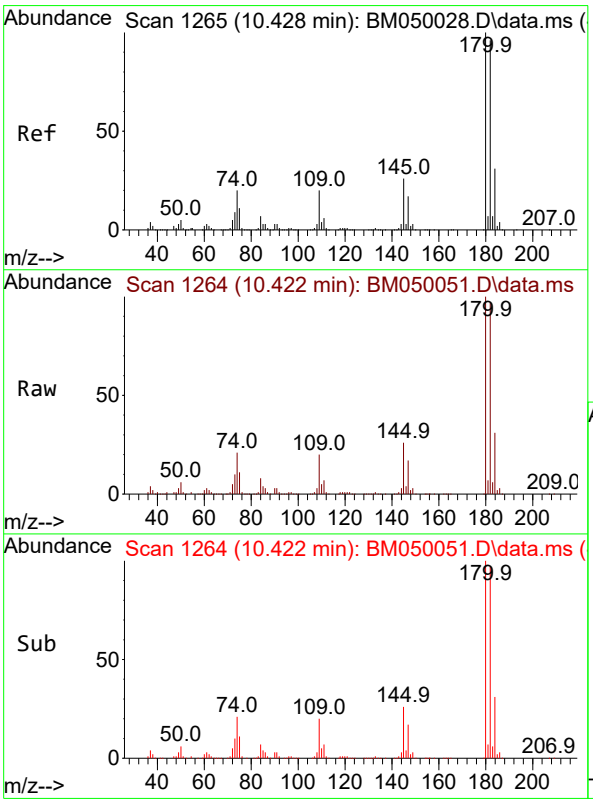
#29
2,4-Dichlorophenol
Concen: 38.877 ng
RT: 10.228 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion:162 Resp: 616533

Ion	Ratio	Lower	Upper
162	100		
164	65.7	45.4	85.4
98	31.0	11.3	51.3

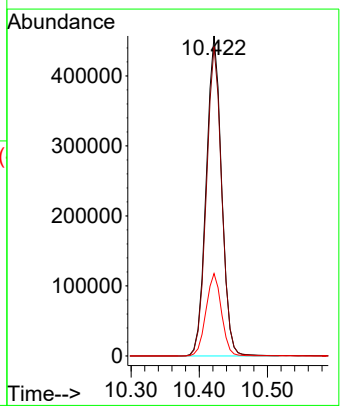


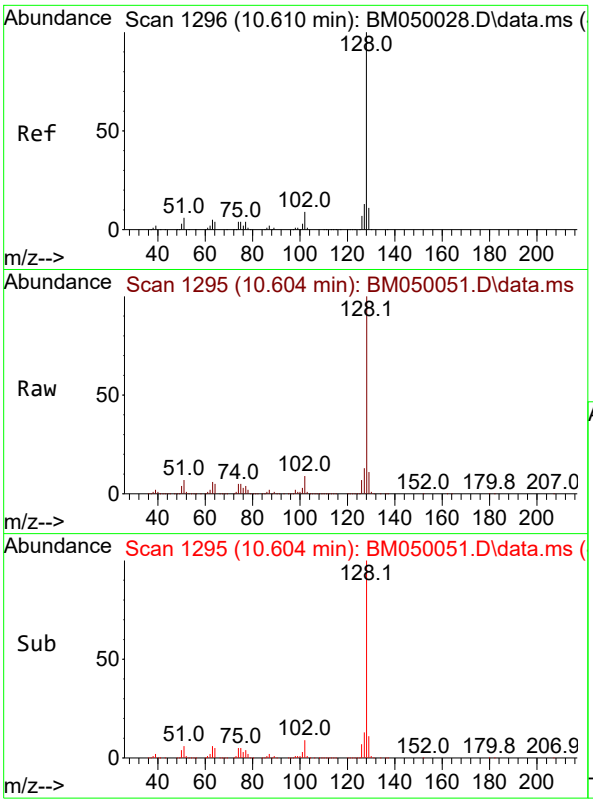


#30
1,2,4-Trichlorobenzene
Concen: 37.121 ng
RT: 10.422 min Scan# 1264
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion:180 Resp: 717222

Ion	Ratio	Lower	Upper
180	100		
182	96.7	77.0	115.4
145	25.8	20.6	30.8



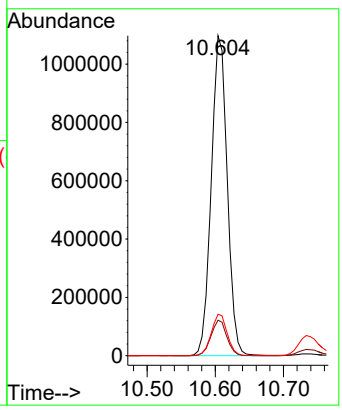


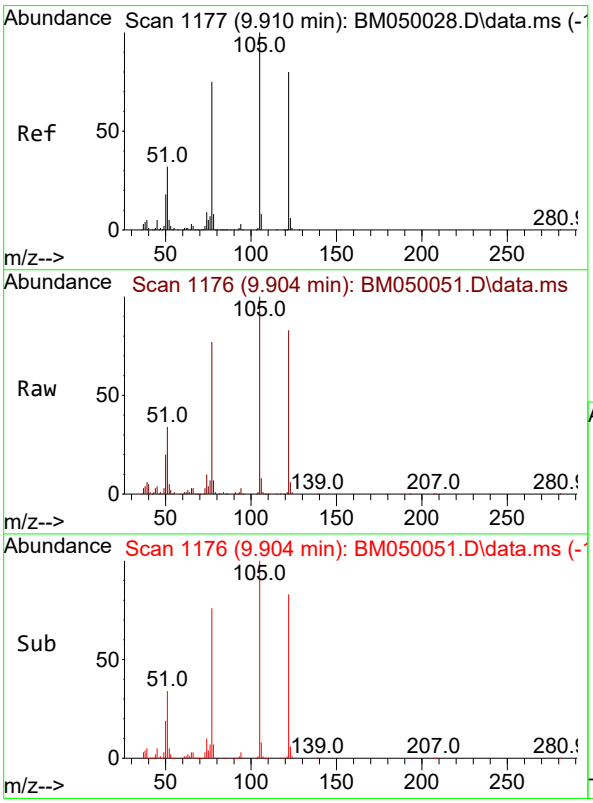
#31
Naphthalene
Concen: 37.179 ng
RT: 10.604 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion:128 Resp: 1792852

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	12.9	10.4	15.6

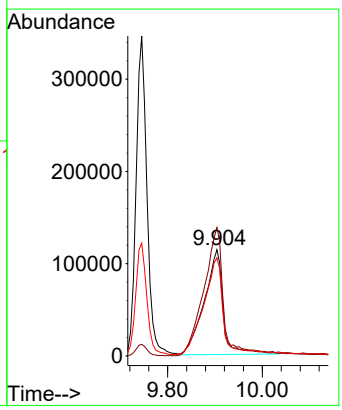


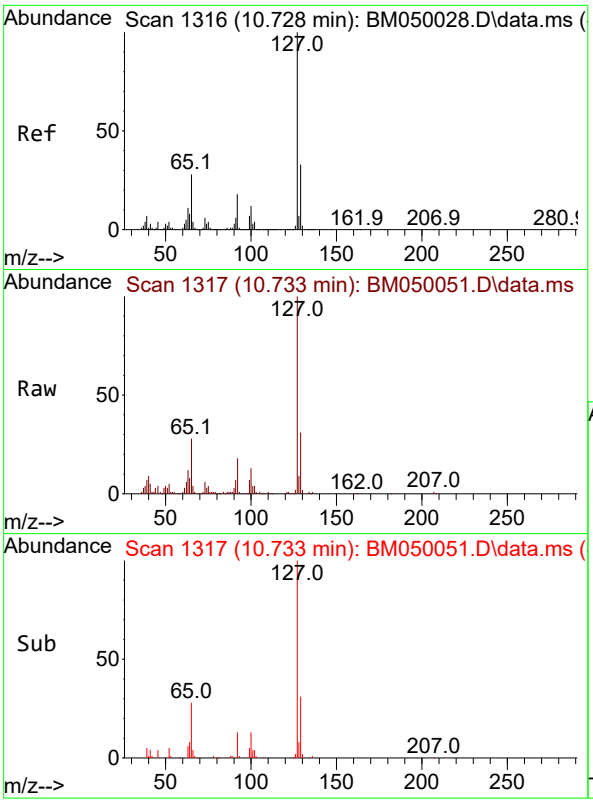


#32
Benzoic acid
Concen: 34.922 ng
RT: 9.904 min Scan# 1176
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion:122 Resp: 316166

Ion	Ratio	Lower	Upper
122	100		
105	120.9	103.6	143.6
77	92.5	73.7	113.7



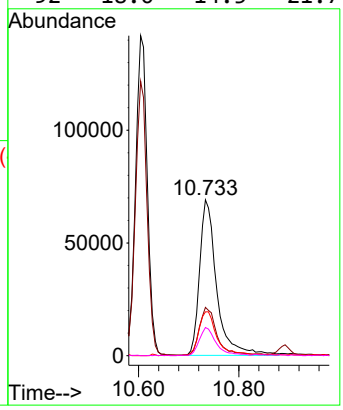


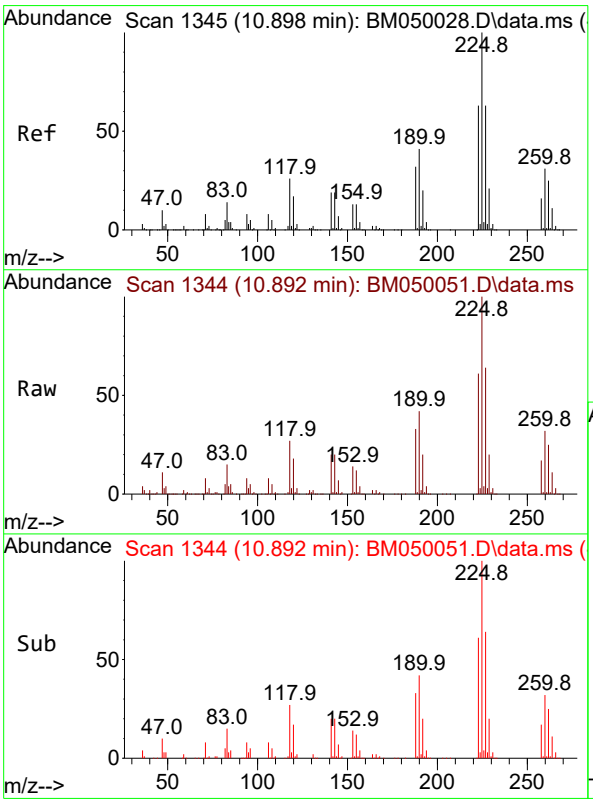
#33
4-Chloroaniline
Concen: 8.267 ng
RT: 10.733 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion:127 Resp: 163398

Ion	Ratio	Lower	Upper
127	100		
129	31.0	26.3	39.5
65	28.2	22.5	33.7
92	18.0	14.5	21.7

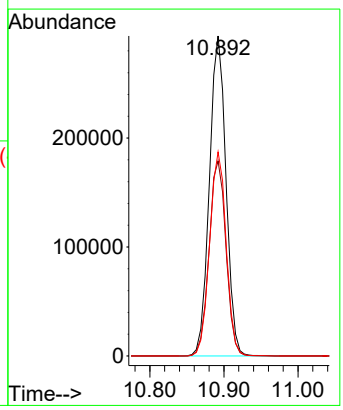


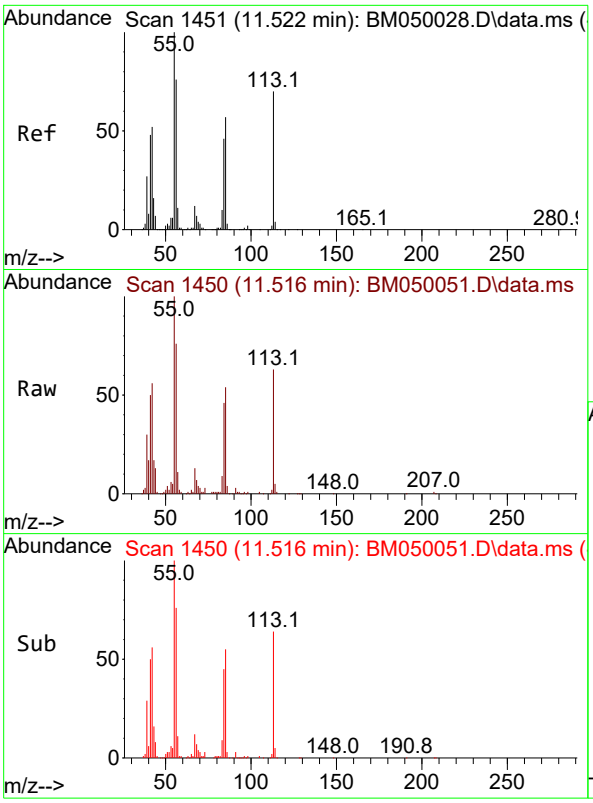


#34
Hexachlorobutadiene
Concen: 37.252 ng
RT: 10.892 min Scan# 1344
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion:225 Resp: 456879

Ion	Ratio	Lower	Upper
225	100		
223	61.0	50.2	75.2
227	63.7	50.6	76.0



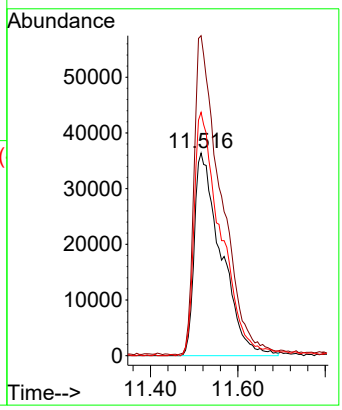


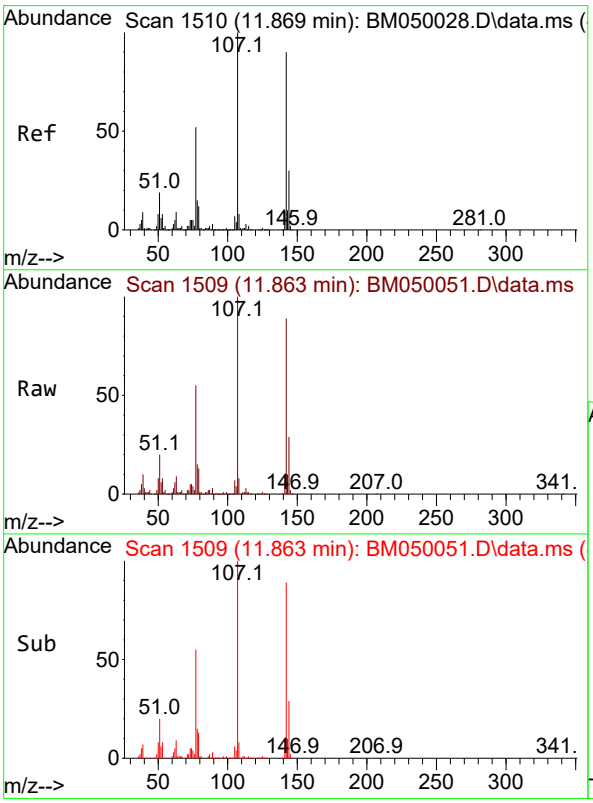
#35
Caprolactam
Concen: 33.403 ng
RT: 11.516 min Scan# 14
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion:113 Resp: 154454

Ion	Ratio	Lower	Upper
113	100		
55	158.0	122.9	162.9
56	120.1	88.1	128.1

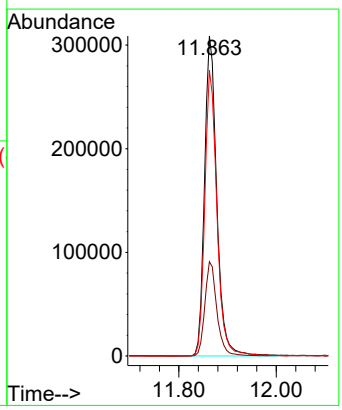


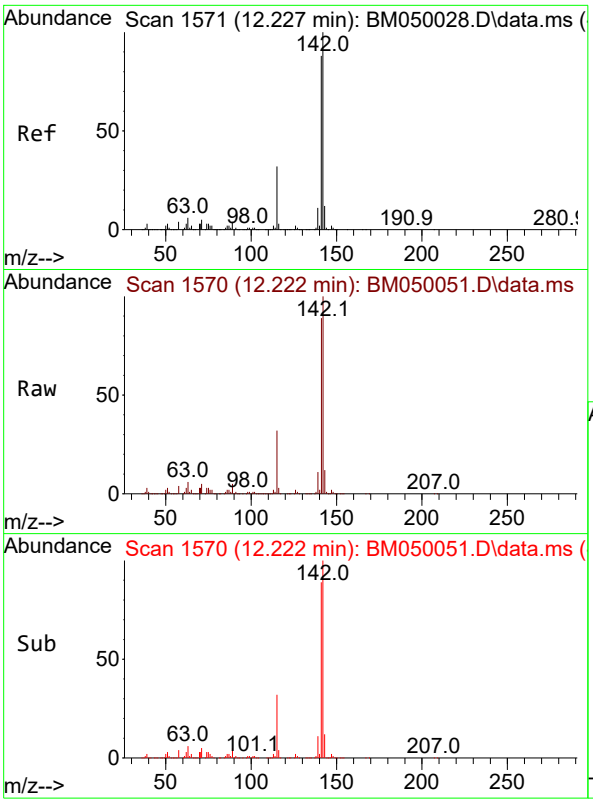


#36
4-Chloro-3-methylphenol
Concen: 36.655 ng
RT: 11.863 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion:107 Resp: 537050

Ion	Ratio	Lower	Upper
107	100		
144	29.5	23.8	35.6
142	89.2	71.9	107.9



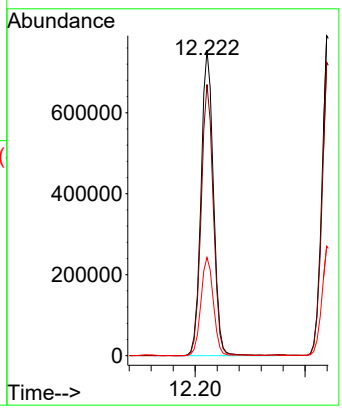


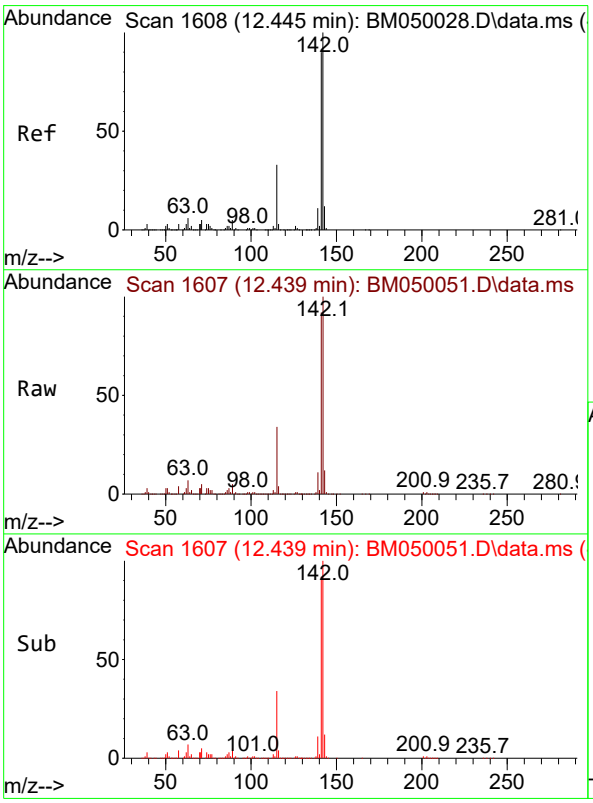
#37
2-Methylnaphthalene
Concen: 36.437 ng
RT: 12.222 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion:142 Resp: 1178033

Ion	Ratio	Lower	Upper
142	100		
141	88.8	70.4	105.6
115	32.2	25.4	38.2

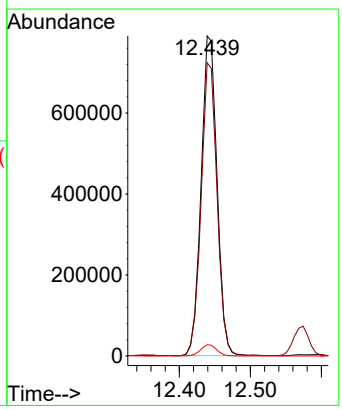


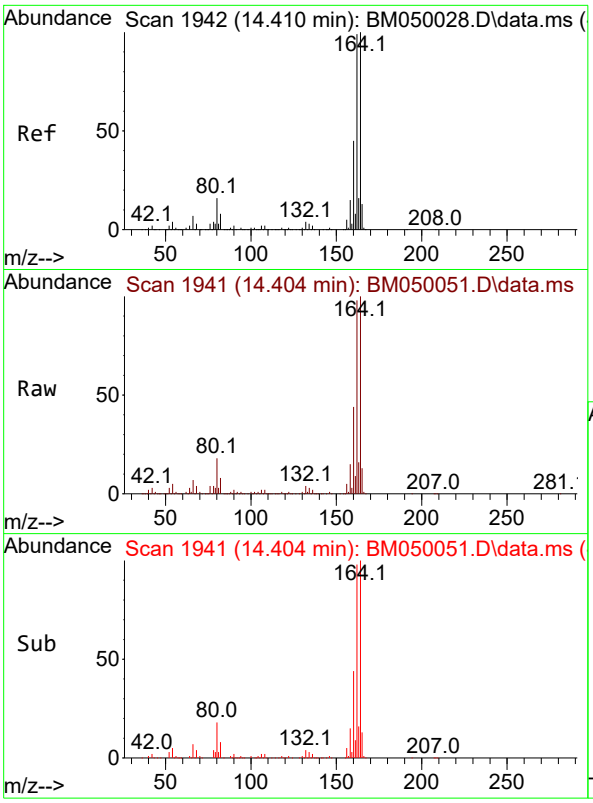


#38
1-Methylnaphthalene
Concen: 36.063 ng
RT: 12.439 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion:142 Resp: 1233882

Ion	Ratio	Lower	Upper
142	100		
141	91.7	72.1	108.1
116	3.5	2.7	4.1



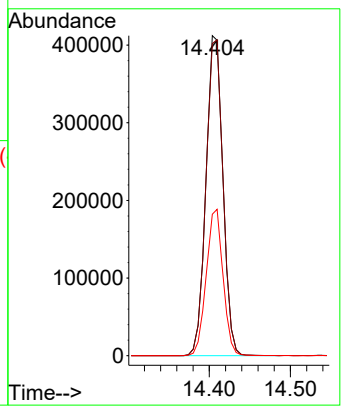


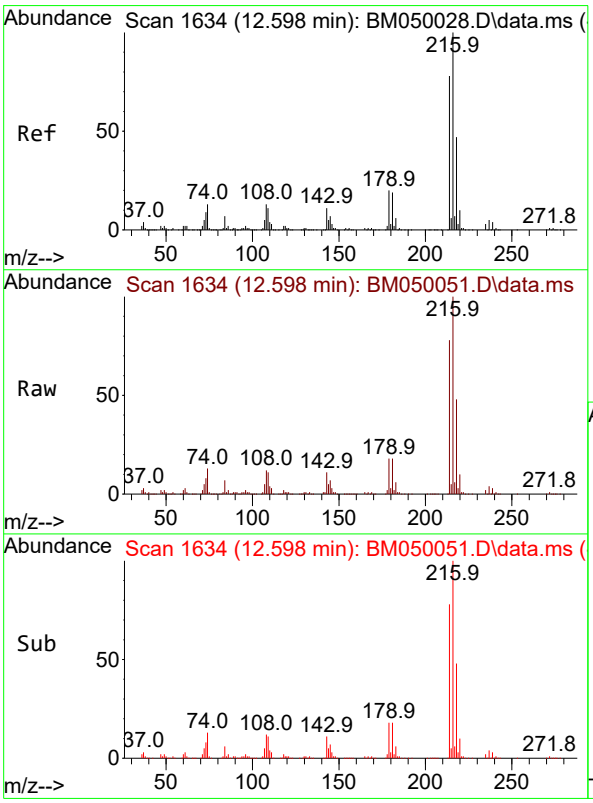
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion:164 Resp: 594823

Ion	Ratio	Lower	Upper
164	100		
162	97.5	79.4	119.0
160	44.2	36.2	54.4

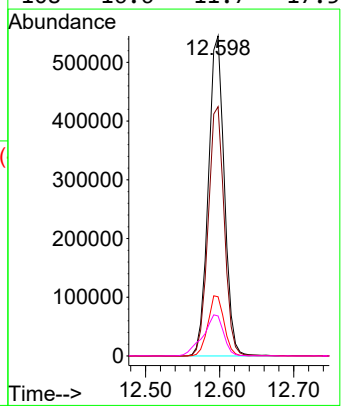


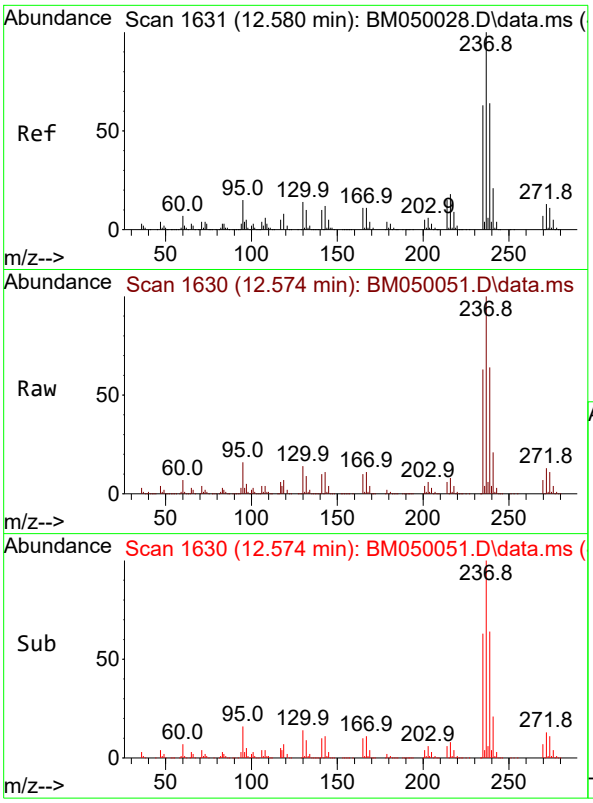


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.682 ng
RT: 12.598 min Scan# 1634
Delta R.T. -0.000 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion:216 Resp: 817095

Ion	Ratio	Lower	Upper
216	100		
214	78.2	62.3	93.5
179	19.1	15.4	23.0
108	16.6	11.7	17.5



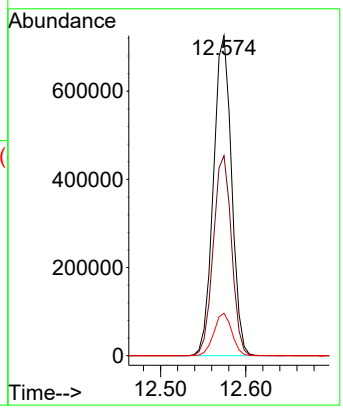


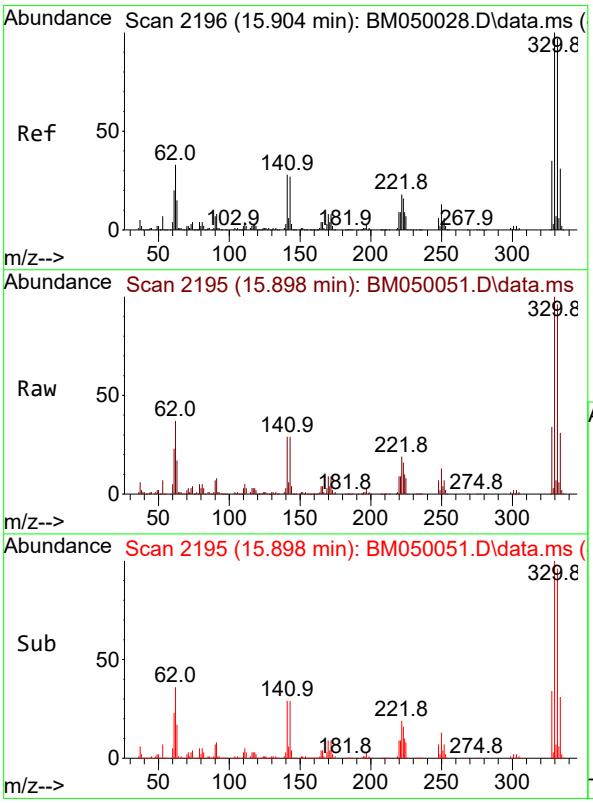
#41
Hexachlorocyclopentadiene
Concen: 85.224 ng
RT: 12.574 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion:237 Resp: 1072435

Ion	Ratio	Lower	Upper
237	100		
235	62.5	42.9	82.9
272	13.2	0.0	32.9

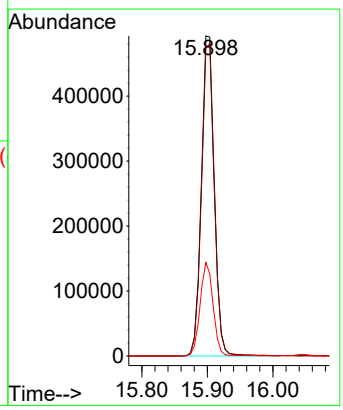


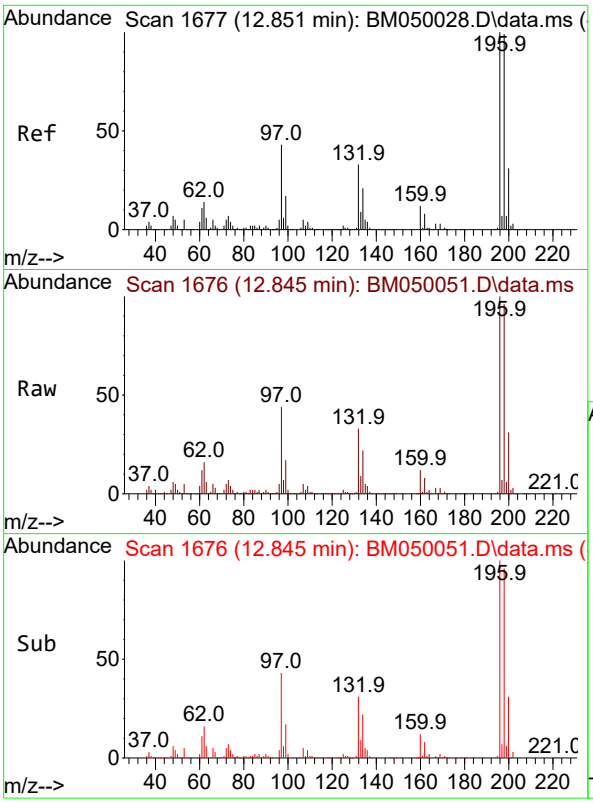


#42
2,4,6-Tribromophenol
Concen: 76.994 ng
RT: 15.898 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion:330 Resp: 677184

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.3	115.9
141	29.3	22.5	33.7



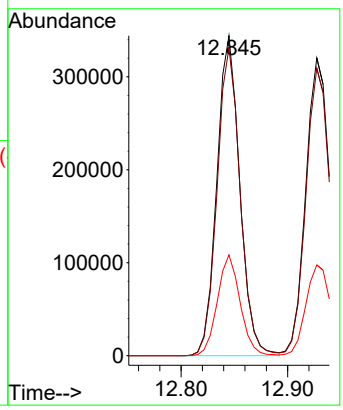


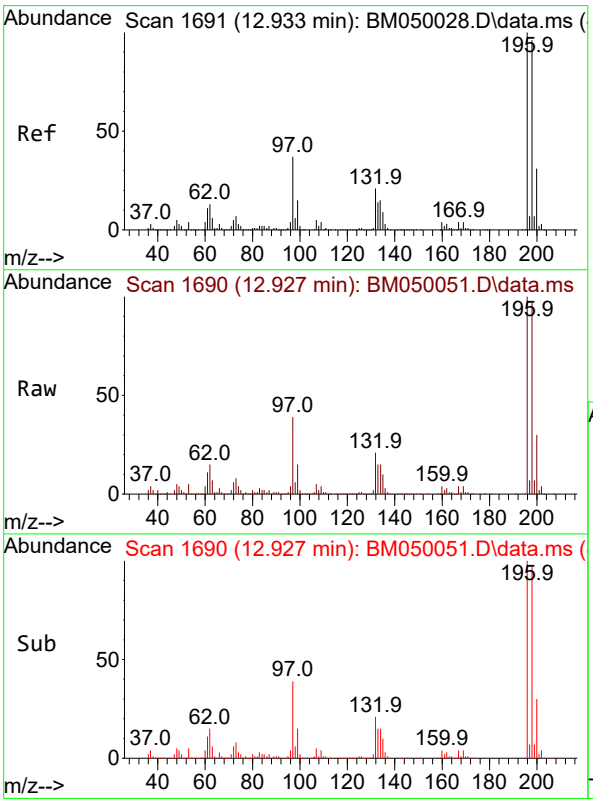
#43
2,4,6-Trichlorophenol
Concen: 39.404 ng
RT: 12.845 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion:196 Resp: 514624

Ion	Ratio	Lower	Upper
196	100		
198	96.2	79.0	118.6
200	31.5	25.1	37.7

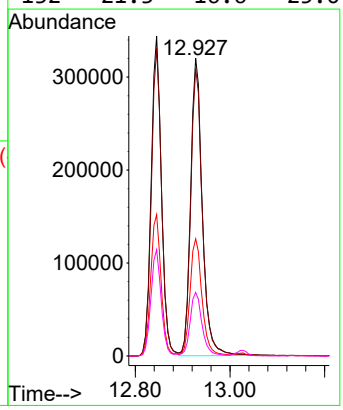


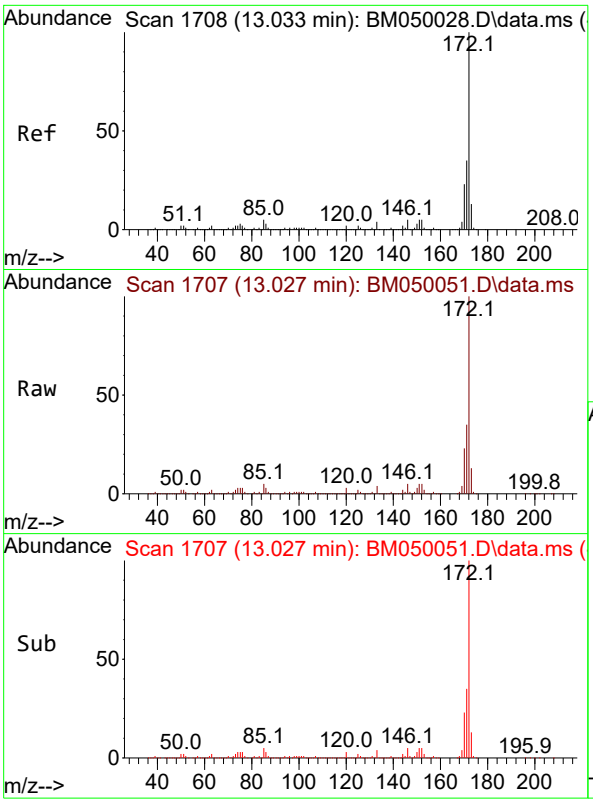


#44
2,4,5-Trichlorophenol
Concen: 39.130 ng
RT: 12.927 min Scan# 1690
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion:196 Resp: 551094

Ion	Ratio	Lower	Upper
196	100		
198	96.5	76.7	115.1
97	39.3	30.1	45.1
132	21.3	16.6	25.0



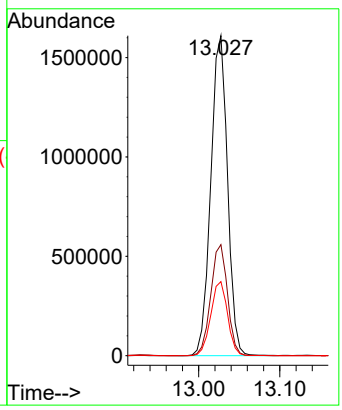


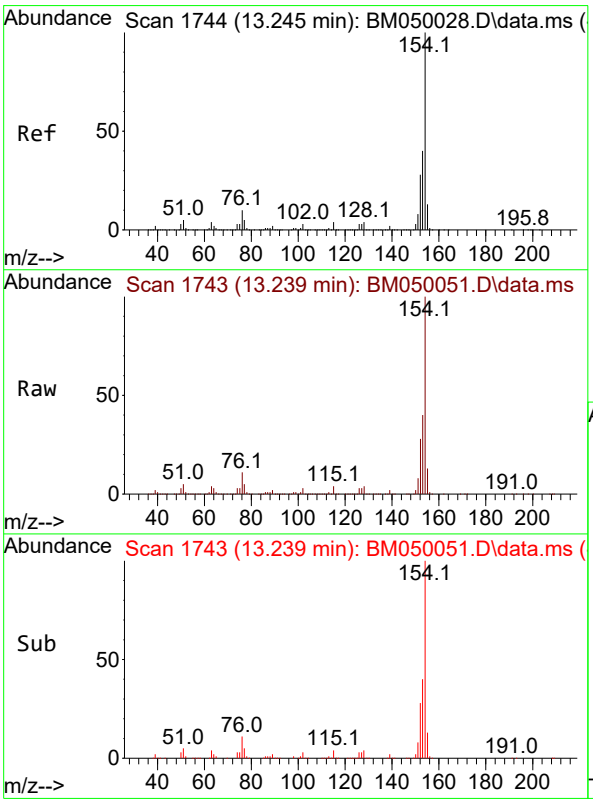
#45
2-Fluorobiphenyl
Concen: 45.793 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion:172 Resp: 2302564

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.8	41.6
170	23.2	18.6	28.0

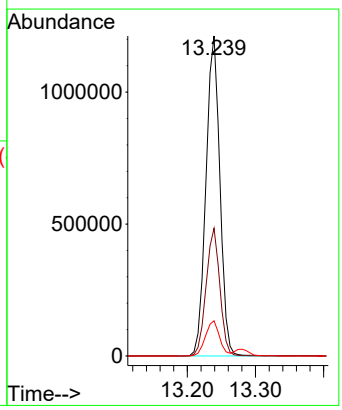


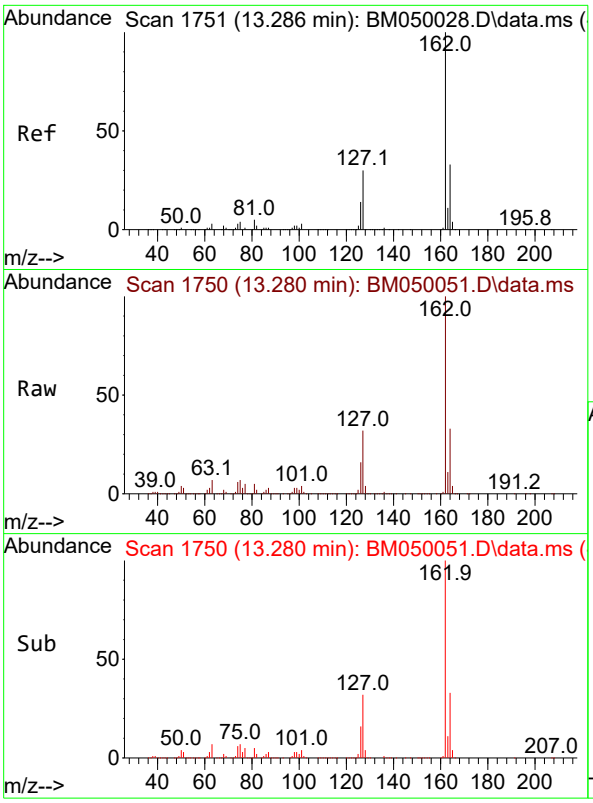


#46
1,1'-Biphenyl
Concen: 38.996 ng
RT: 13.239 min Scan# 1743
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion:154 Resp: 1724245

Ion	Ratio	Lower	Upper
154	100		
153	39.9	20.0	60.0
76	11.0	0.0	30.3



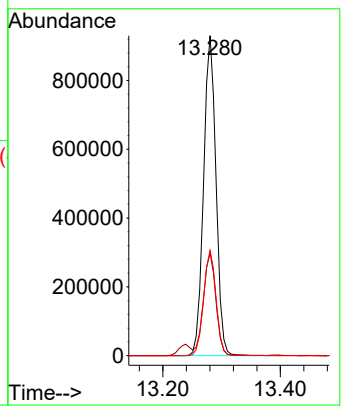


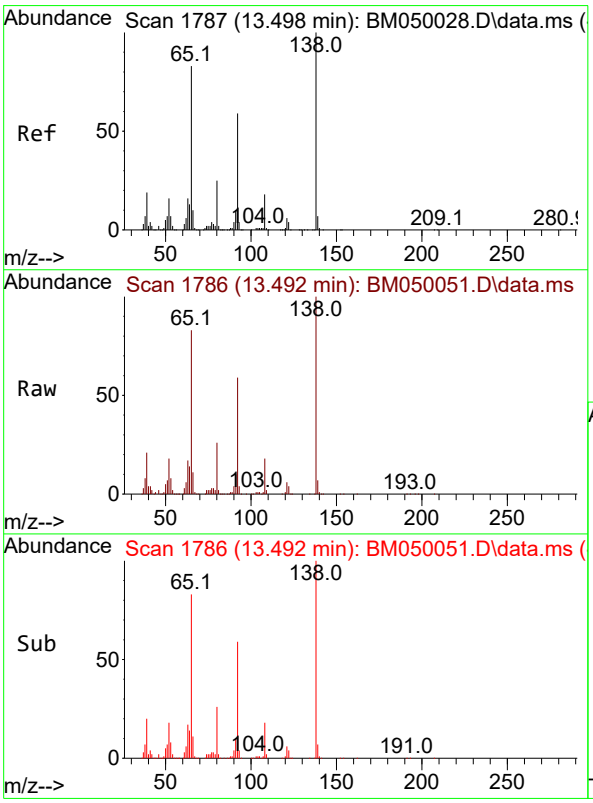
#47
2-Chloronaphthalene
Concen: 38.922 ng
RT: 13.280 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion:162 Resp: 1363033

Ion	Ratio	Lower	Upper
162	100		
127	32.1	25.9	38.9
164	32.9	26.6	40.0

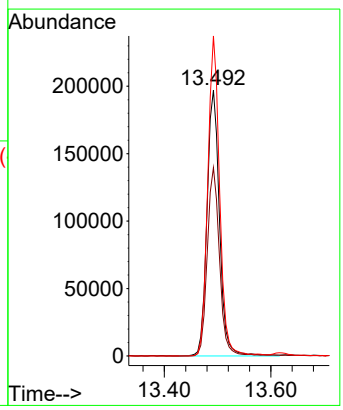


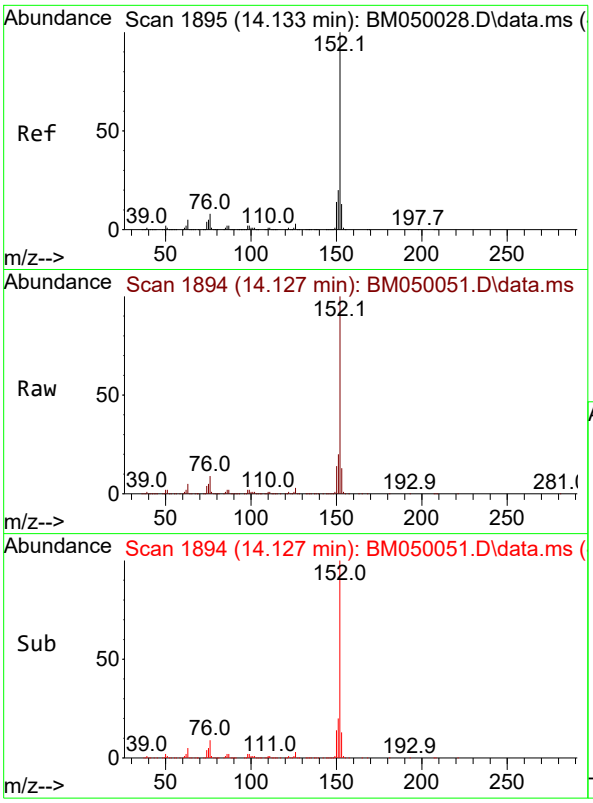


#48
2-Nitroaniline
Concen: 38.885 ng
RT: 13.492 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion: 65 Resp: 319598

Ion	Ratio	Lower	Upper
65	100		
92	70.9	57.1	85.7
138	120.4	97.0	145.4



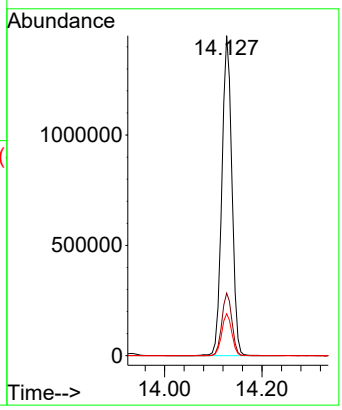


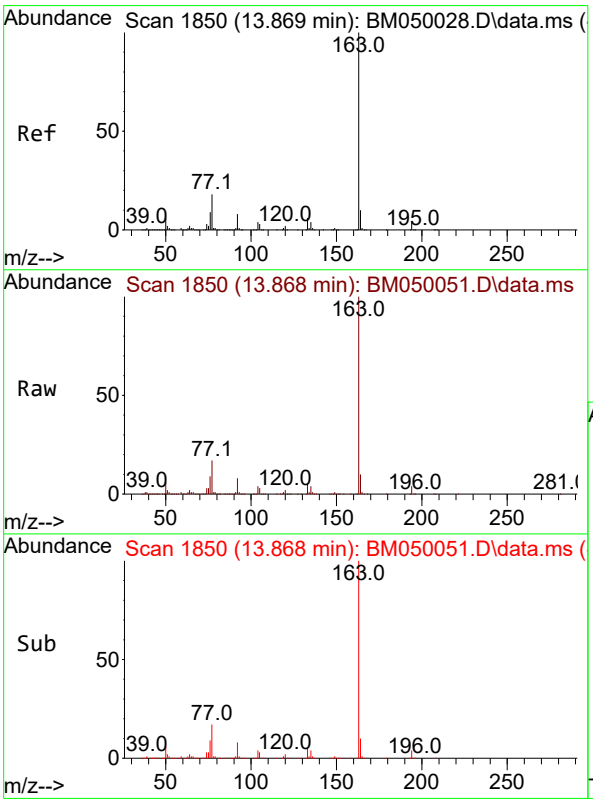
#49
Acenaphthylene
Concen: 37.741 ng
RT: 14.127 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion:152 Resp: 2083866

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.8
153	13.1	10.6	15.8

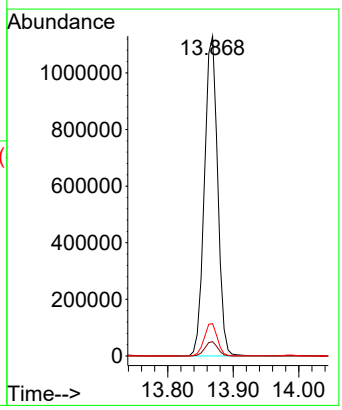


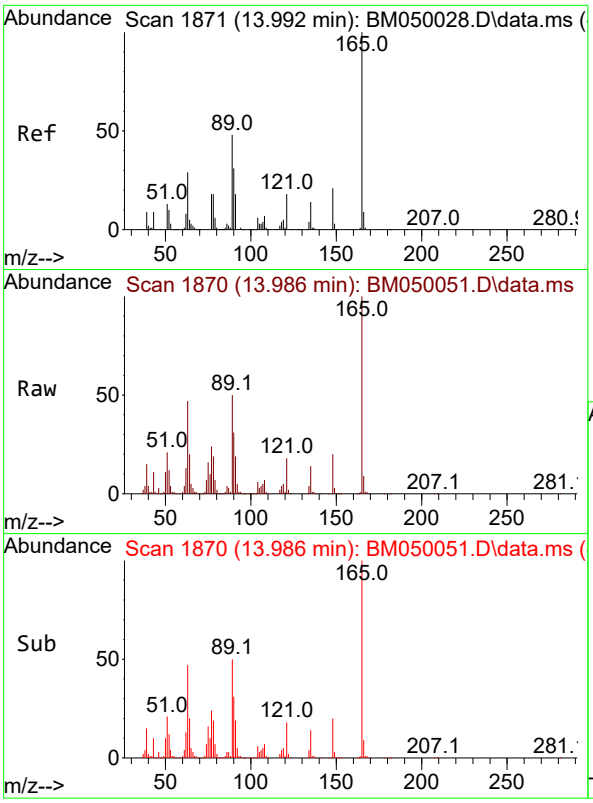


#50
Dimethylphthalate
Concen: 36.461 ng
RT: 13.868 min Scan# 1850
Delta R.T. -0.000 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion:163 Resp: 1584975

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.4	5.2
164	10.1	8.2	12.2



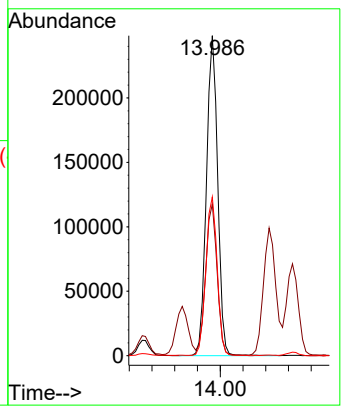


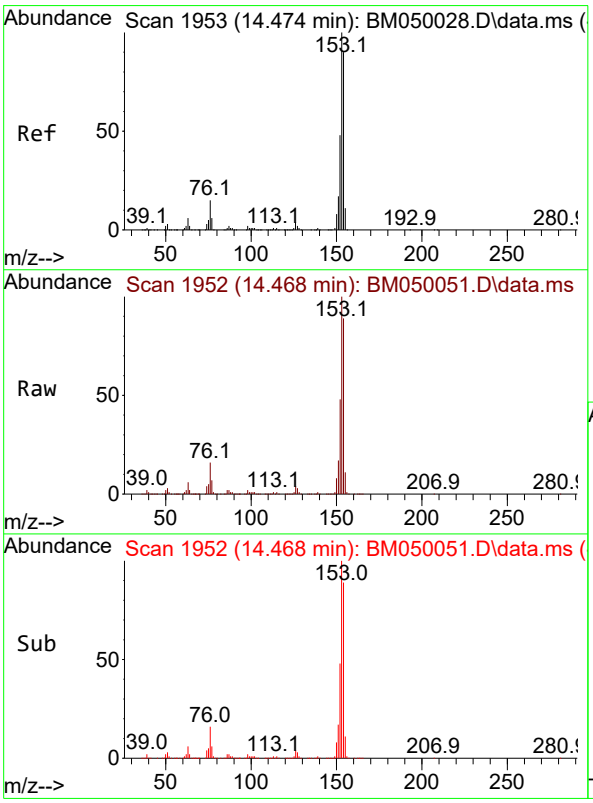
#51
2,6-Dinitrotoluene
Concen: 37.686 ng
RT: 13.986 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion:165 Resp: 339189

Ion	Ratio	Lower	Upper
165	100		
63	47.3	35.1	52.7
89	49.6	38.4	57.6

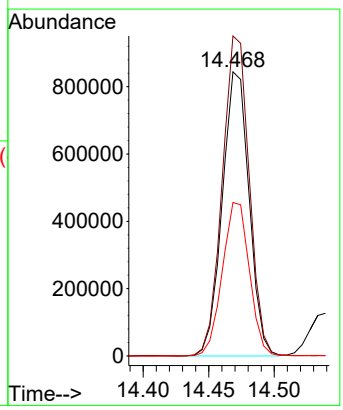


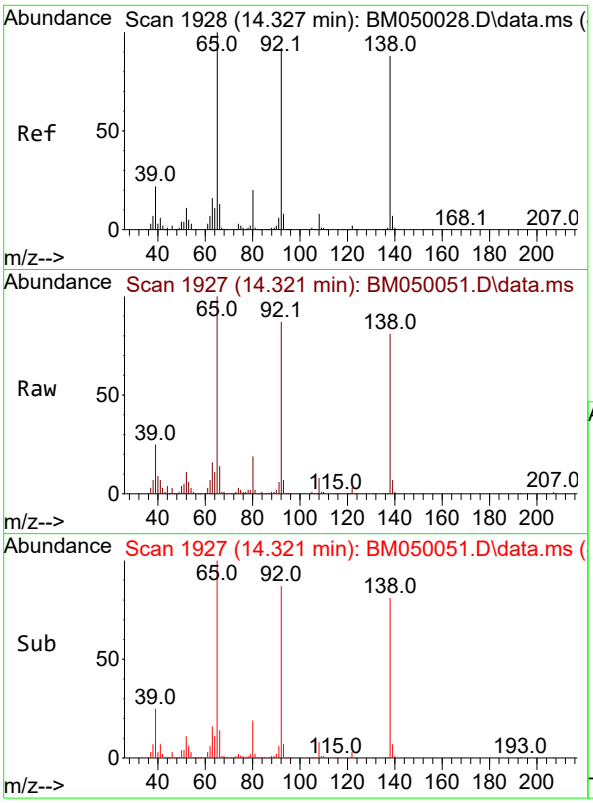


#52
Acenaphthene
Concen: 37.565 ng
RT: 14.468 min Scan# 1952
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion:154 Resp: 1200585

Ion	Ratio	Lower	Upper
154	100		
153	112.6	89.0	133.4
152	54.0	43.0	64.6



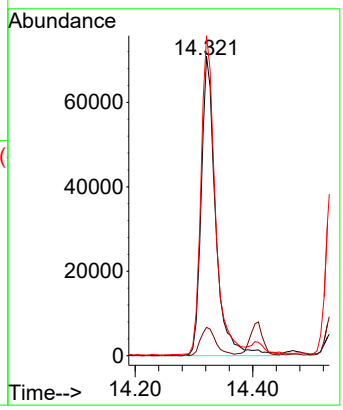


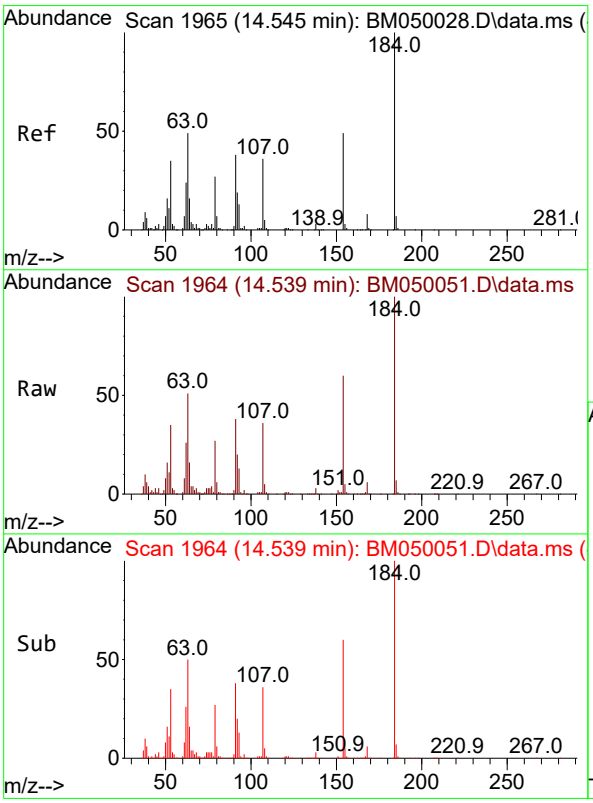
#53
3-Nitroaniline
Concen: 14.084 ng
RT: 14.321 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion:138 Resp: 121020

Ion	Ratio	Lower	Upper
138	100		
108	9.5	7.4	11.2
92	106.9	84.0	126.0

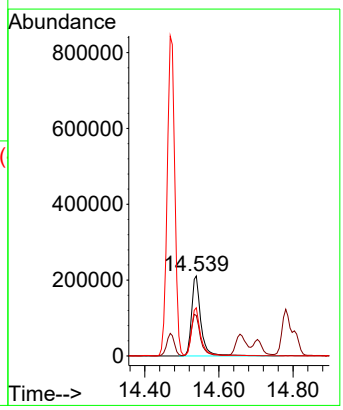


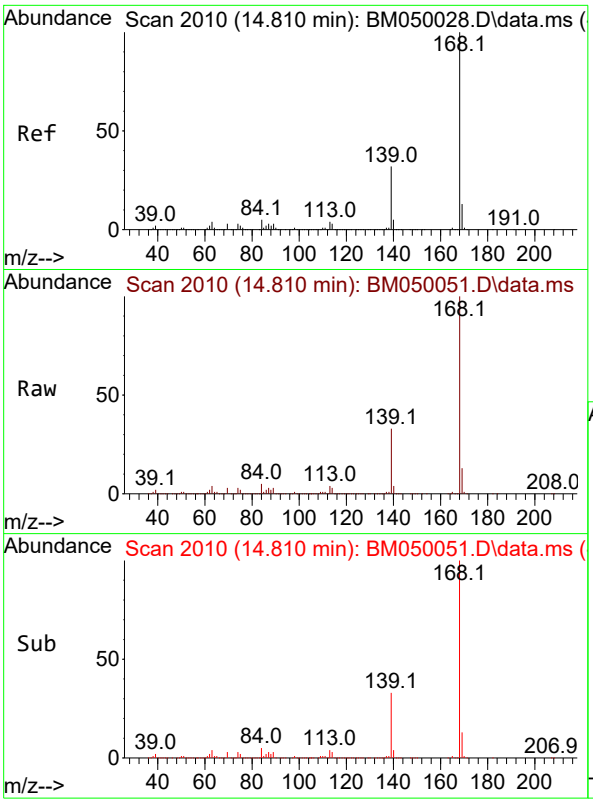


#54
2,4-Dinitrophenol
Concen: 64.725 ng
RT: 14.539 min Scan# 1964
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion:184 Resp: 366009

Ion	Ratio	Lower	Upper
184	100		
63	50.6	39.8	59.6
154	60.1	46.1	69.1



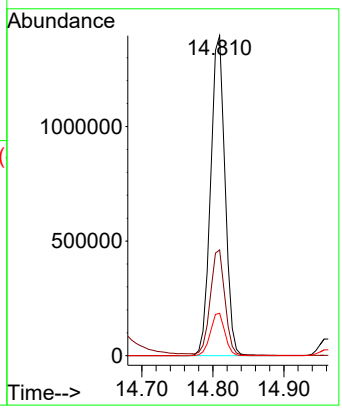


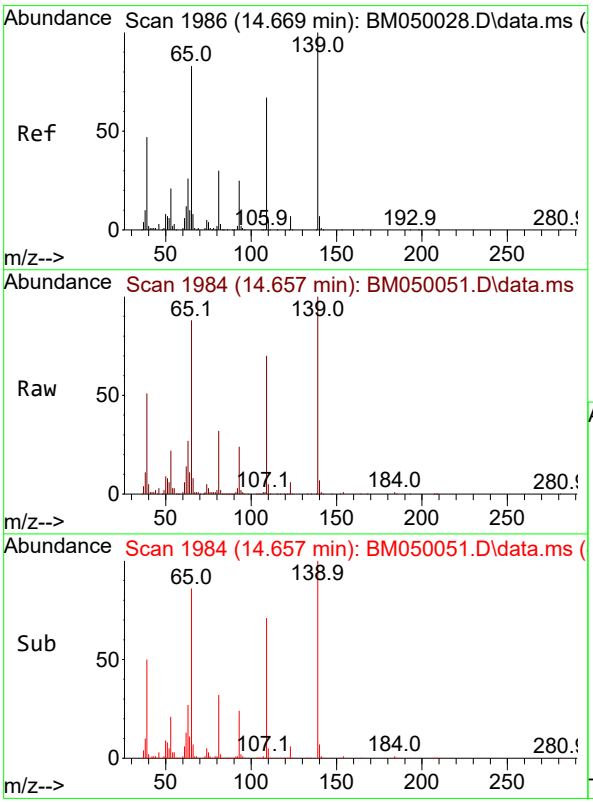
#55
Dibenzofuran
Concen: 36.940 ng
RT: 14.810 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion:168 Resp: 1964264

Ion	Ratio	Lower	Upper
168	100		
139	33.0	26.1	39.1
169	13.2	10.8	16.2

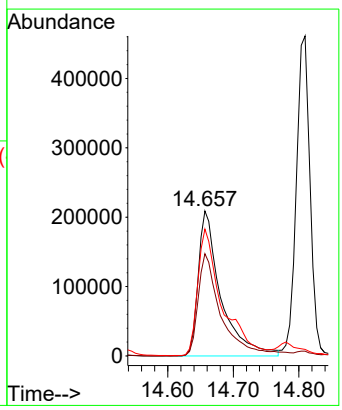


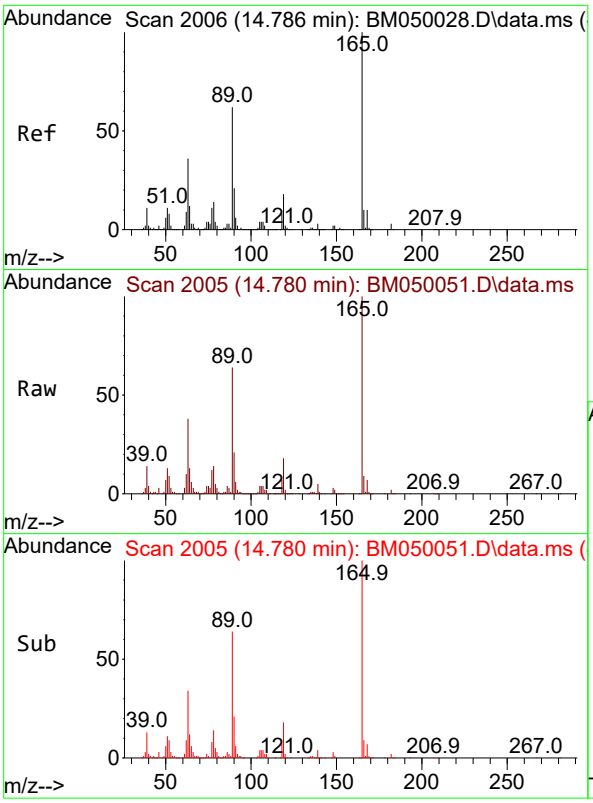


#56
4-Nitrophenol
Concen: 72.280 ng
RT: 14.657 min Scan# 1984
Delta R.T. -0.012 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion:139 Resp: 502037

Ion	Ratio	Lower	Upper
139	100		
109	70.5	47.0	87.0
65	87.5	64.3	104.3



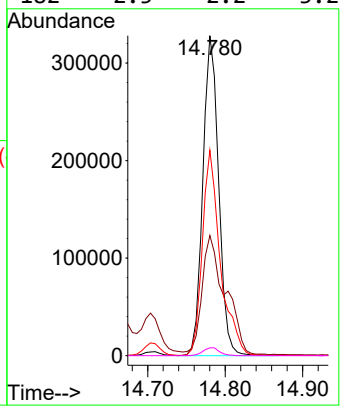


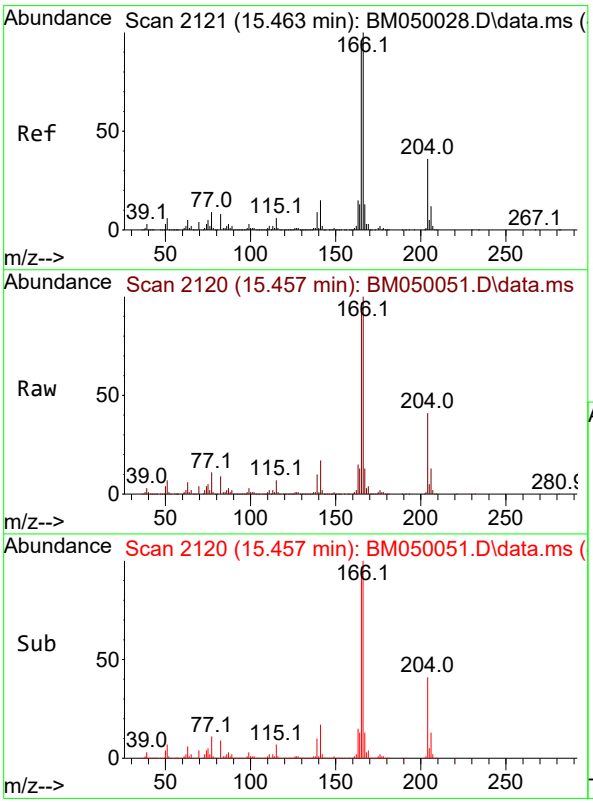
#57
2,4-Dinitrotoluene
Concen: 37.338 ng
RT: 14.780 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion:165 Resp: 464363

Ion	Ratio	Lower	Upper
165	100		
63	37.5	29.0	43.6
89	64.2	49.4	74.2
182	2.5	2.2	3.2

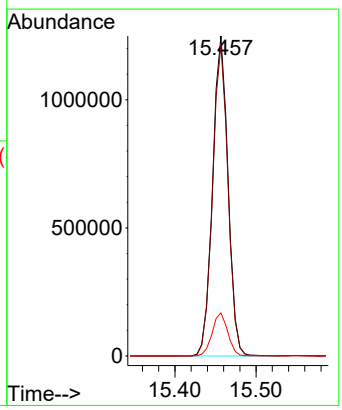


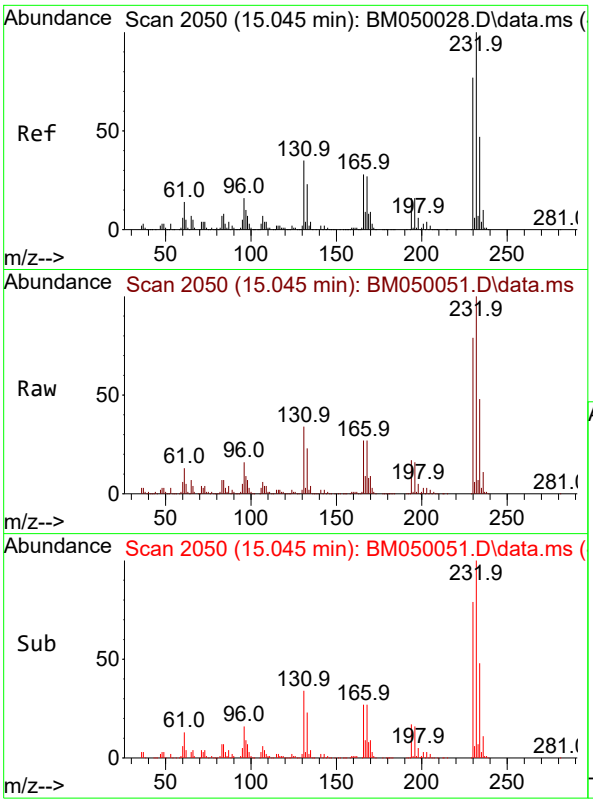


#58
Fluorene
Concen: 37.915 ng
RT: 15.457 min Scan# 2120
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion:166 Resp: 1650249

Ion	Ratio	Lower	Upper
166	100		
165	97.2	76.6	115.0
167	13.4	10.6	16.0



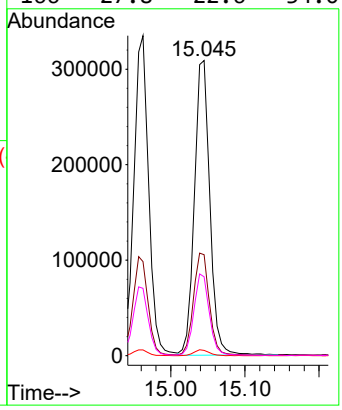


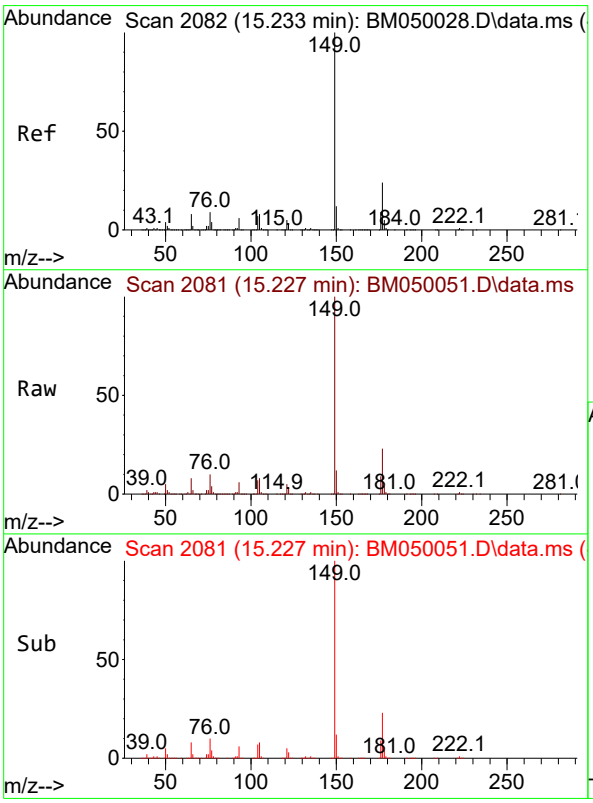
#59
2,3,4,6-Tetrachlorophenol
Concen: 36.556 ng
RT: 15.045 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion:232 Resp: 445647

Ion	Ratio	Lower	Upper
232	100		
131	35.9	28.2	42.4
130	2.0	1.5	2.3
166	27.8	22.6	34.0

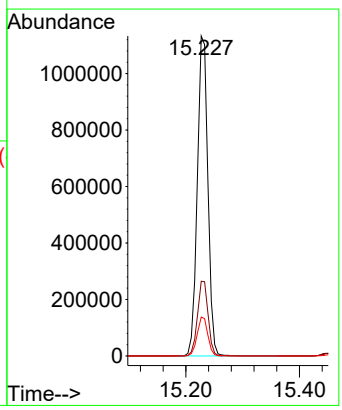


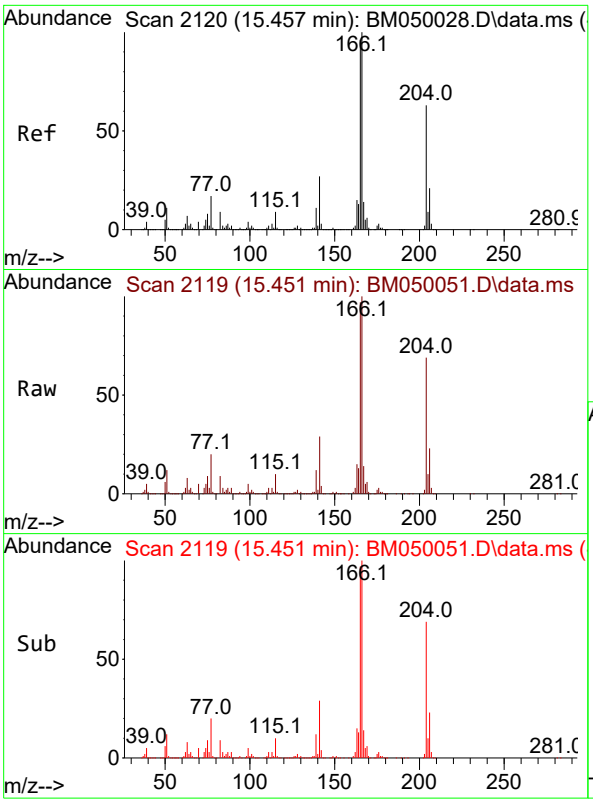


#60
Diethylphthalate
Concen: 35.873 ng
RT: 15.227 min Scan# 2081
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion:149 Resp: 1469398

Ion	Ratio	Lower	Upper
149	100		
177	23.3	19.1	28.7
150	12.2	9.6	14.4



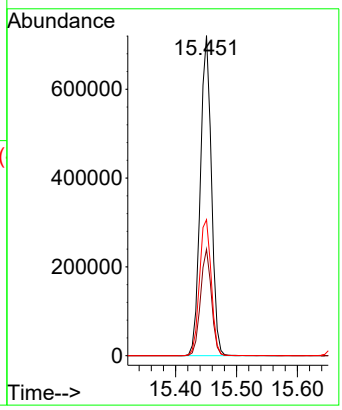


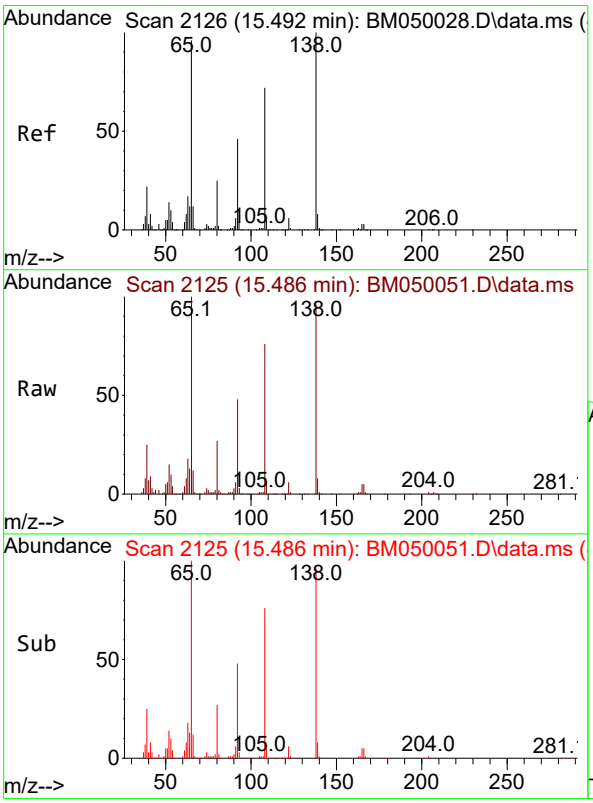
#61
4-Chlorophenyl-phenylether
Concen: 37.958 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion:204 Resp: 907435

Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.3	39.5
141	42.5	34.0	51.0

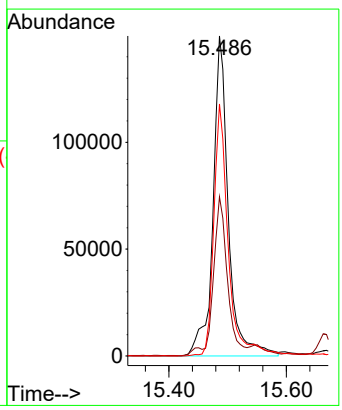


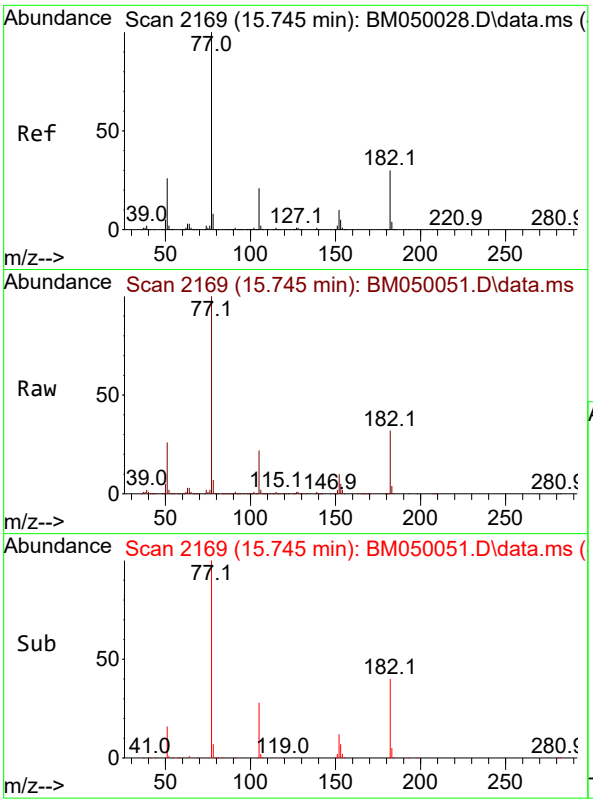


#62
4-Nitroaniline
Concen: 32.665 ng
RT: 15.486 min Scan# 2125
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion:138 Resp: 270809

Ion	Ratio	Lower	Upper
138	100		
92	49.7	25.9	65.9
108	78.8	52.4	92.4



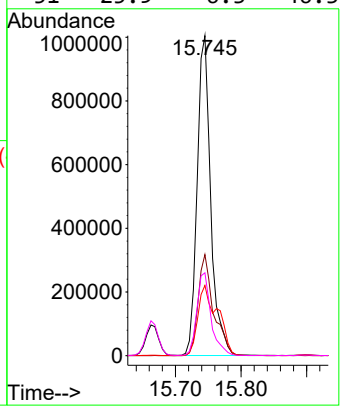


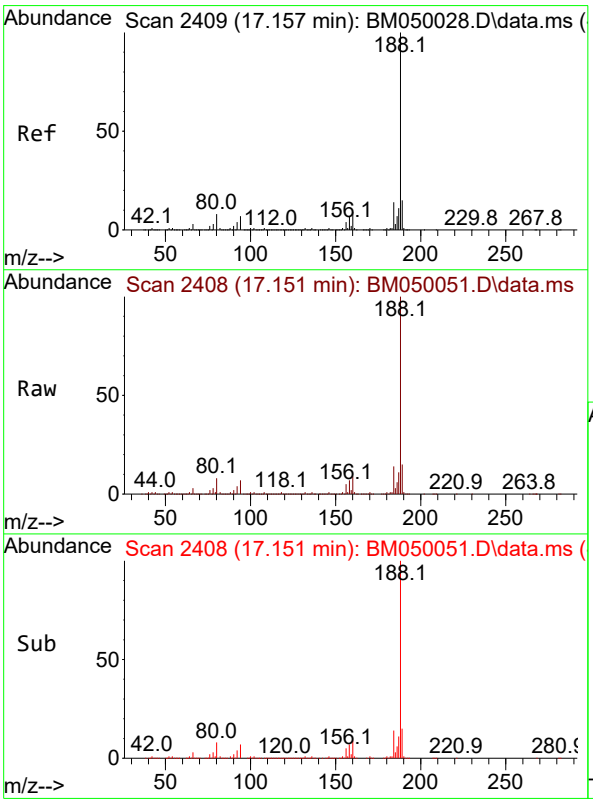
#63
Azobenzene
Concen: 42.197 ng
RT: 15.745 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion: 77 Resp: 1448547

Ion	Ratio	Lower	Upper
77	100		
182	31.6	10.5	50.5
105	22.0	1.1	41.1
51	25.9	6.3	46.3

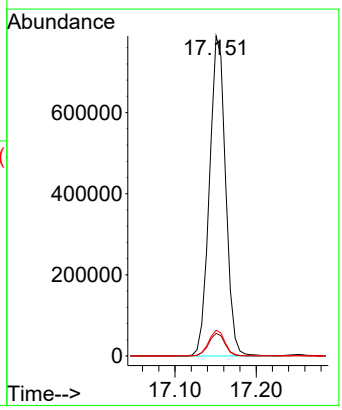


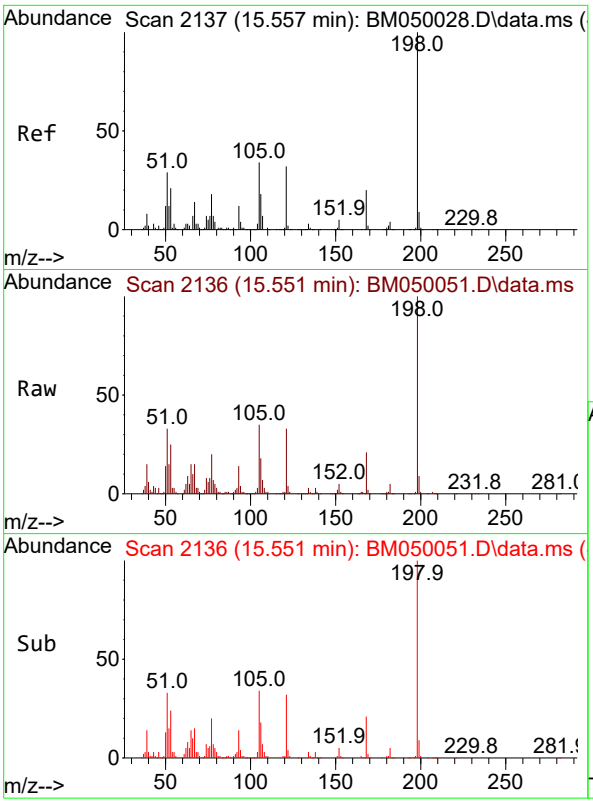


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.151 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion:188 Resp: 1087317

Ion	Ratio	Lower	Upper
188	100		
94	7.0	5.7	8.5
80	8.0	6.2	9.4



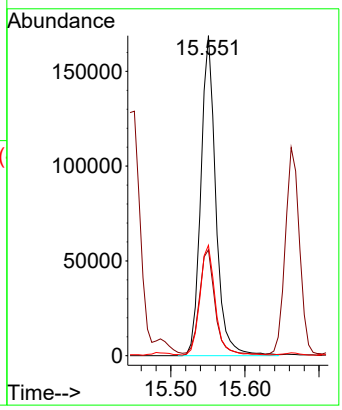


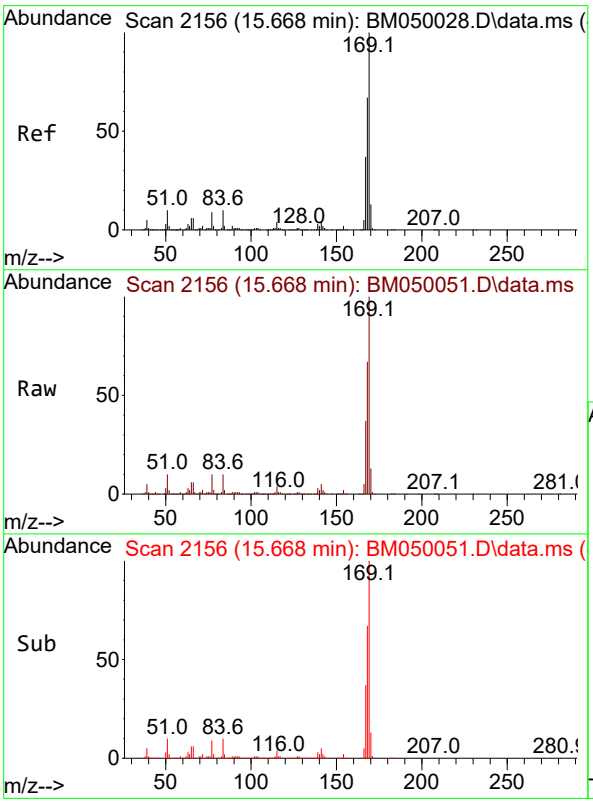
#65
4,6-Dinitro-2-methylphenol
Concen: 34.962 ng
RT: 15.551 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion:198 Resp: 237957

Ion	Ratio	Lower	Upper
198	100		
51	33.1	10.4	50.4
105	34.5	14.6	54.6

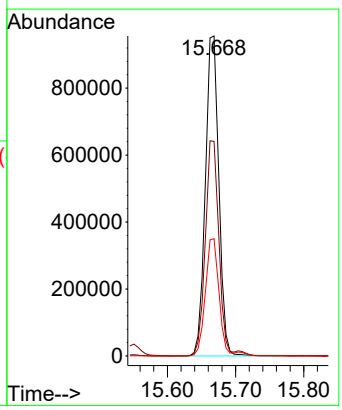


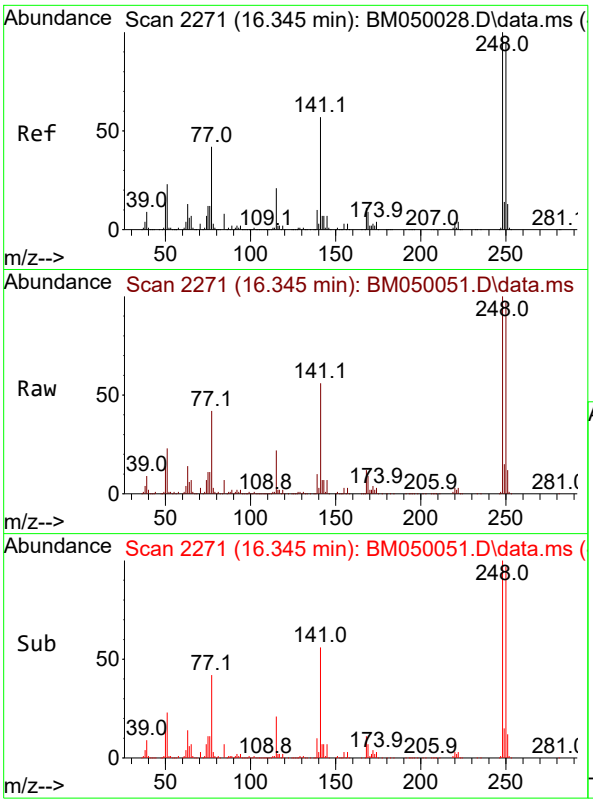


#66
n-Nitrosodiphenylamine
Concen: 39.438 ng
RT: 15.668 min Scan# 2156
Delta R.T. -0.000 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion:169 Resp: 1316779

Ion	Ratio	Lower	Upper
169	100		
168	67.0	53.4	80.2
167	36.7	29.4	44.0



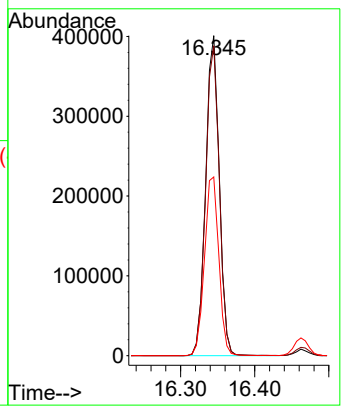


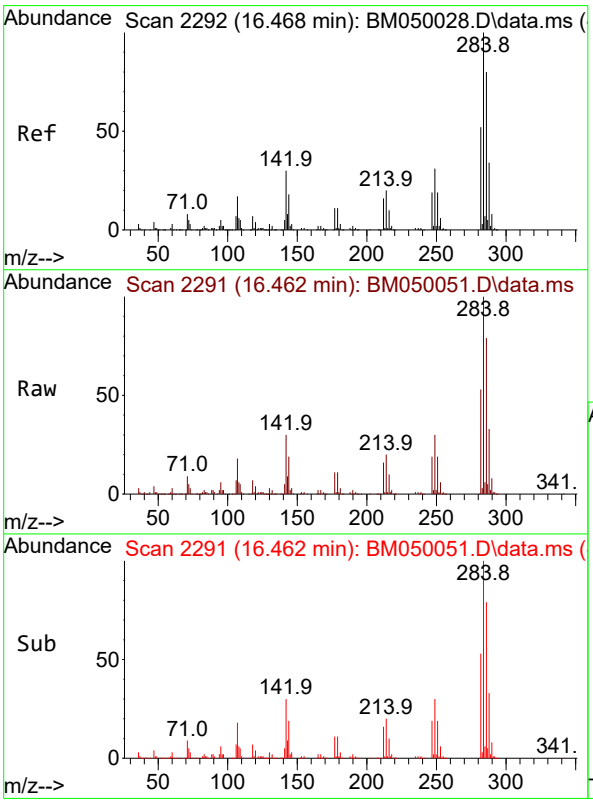
#67
4-Bromophenyl-phenylether
Concen: 38.888 ng
RT: 16.345 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion:248 Resp: 511324

Ion	Ratio	Lower	Upper
248	100		
250	96.9	76.2	114.2
141	55.9	45.9	68.9

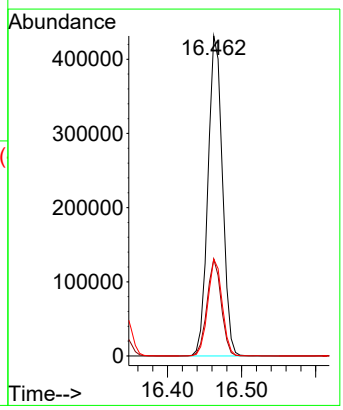


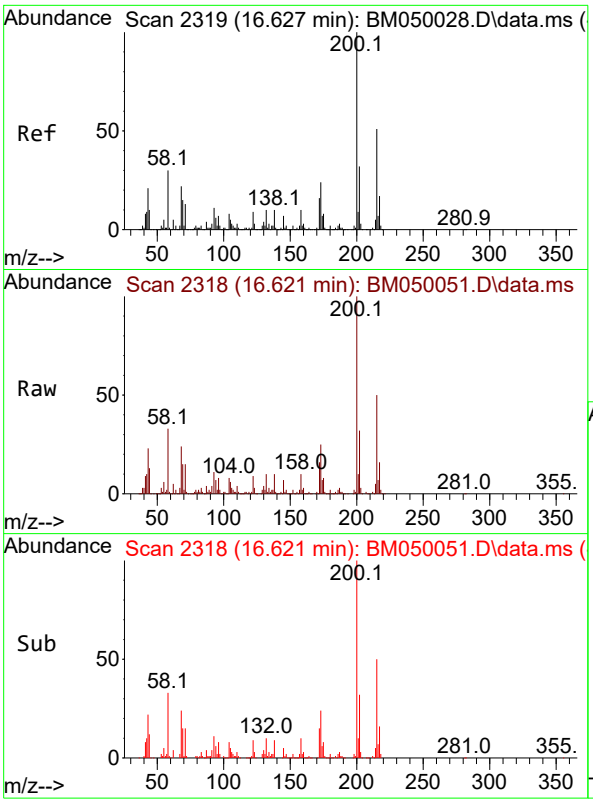


#68
Hexachlorobenzene
Concen: 38.588 ng
RT: 16.462 min Scan# 2291
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion:284 Resp: 584856

Ion	Ratio	Lower	Upper
284	100		
142	30.3	23.9	35.9
249	30.3	24.5	36.7



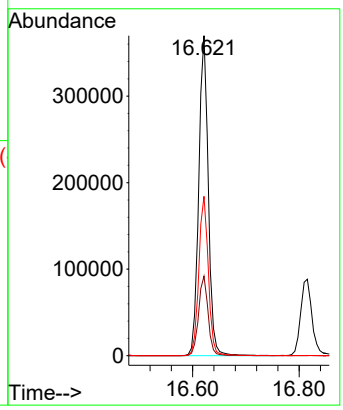


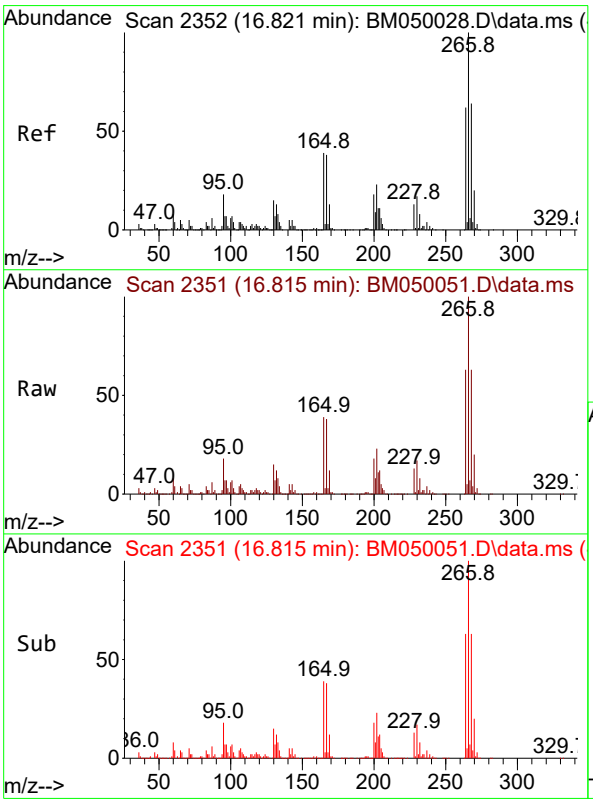
#69
Atrazine
Concen: 38.023 ng
RT: 16.621 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion:200 Resp: 457942

Ion	Ratio	Lower	Upper
200	100		
173	24.8	4.3	44.3
215	49.8	30.6	70.6

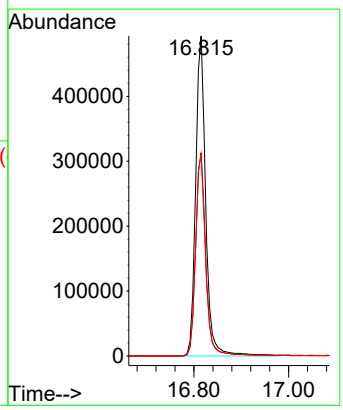


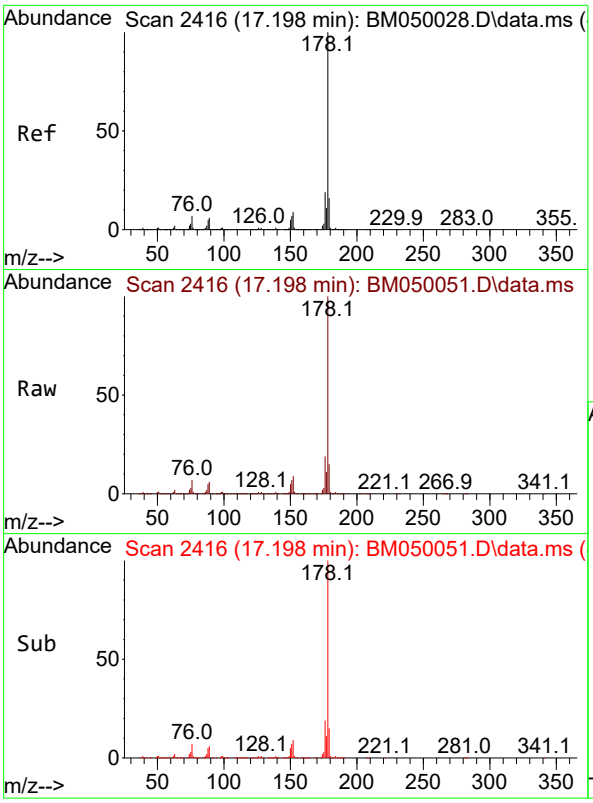


#70
Pentachlorophenol
Concen: 85.193 ng
RT: 16.815 min Scan# 2351
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion:266 Resp: 726819

Ion	Ratio	Lower	Upper
266	100		
268	63.5	51.2	76.8
264	63.0	49.6	74.4



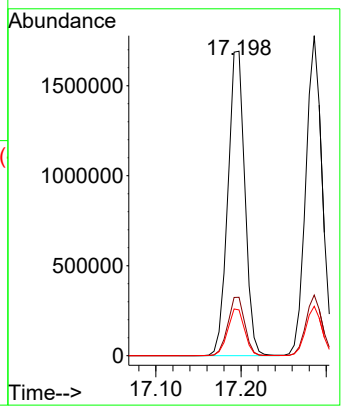


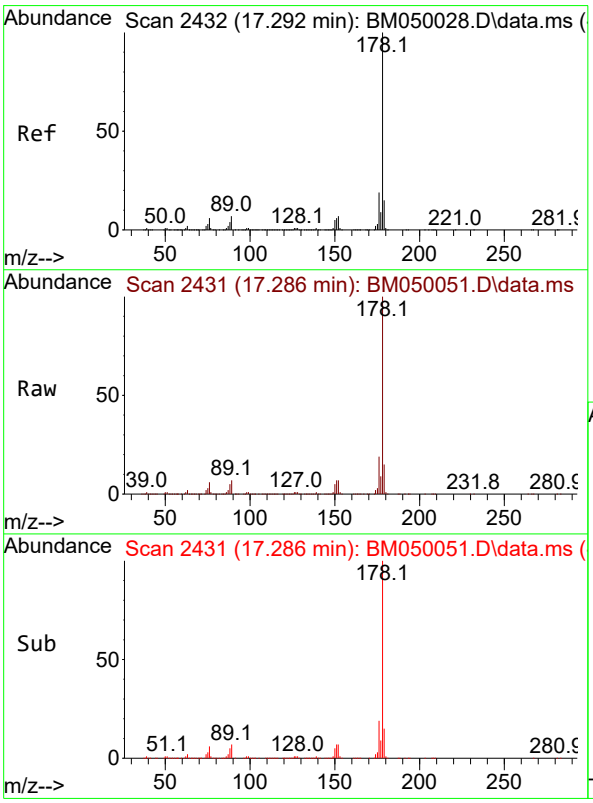
#71
Phenanthrene
Concen: 38.122 ng
RT: 17.198 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion:178 Resp: 2337865

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.0	12.4	18.6

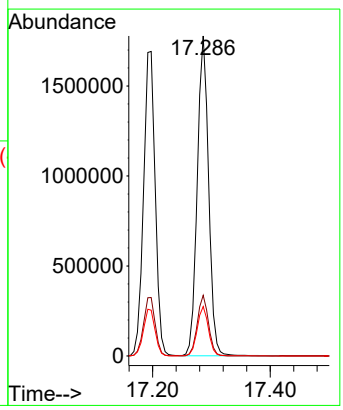


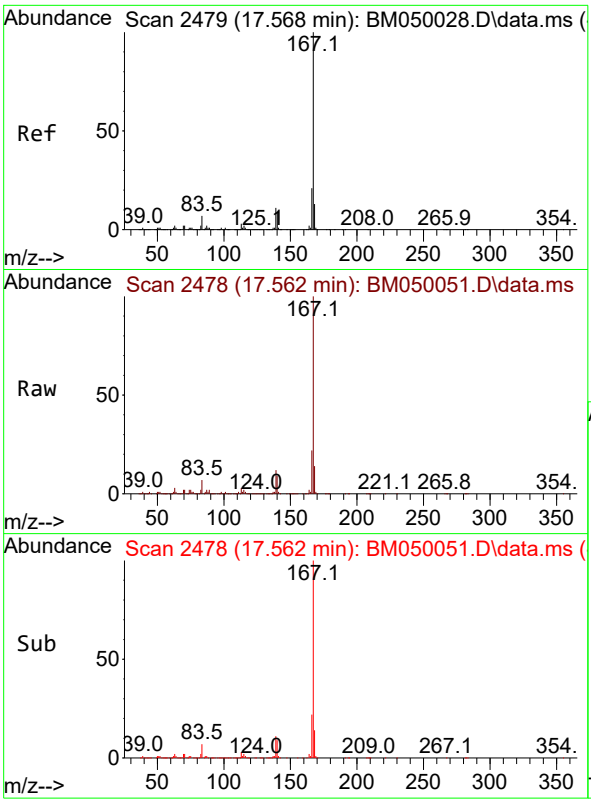


#72
Anthracene
Concen: 38.373 ng
RT: 17.286 min Scan# 2431
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion:178 Resp: 2381496

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.0	22.4
179	15.5	12.2	18.4



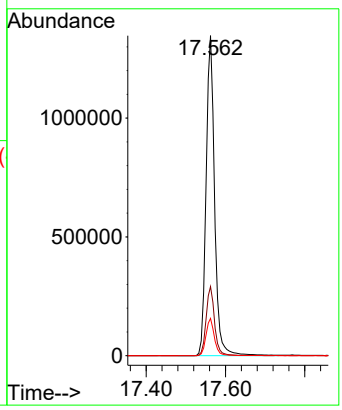


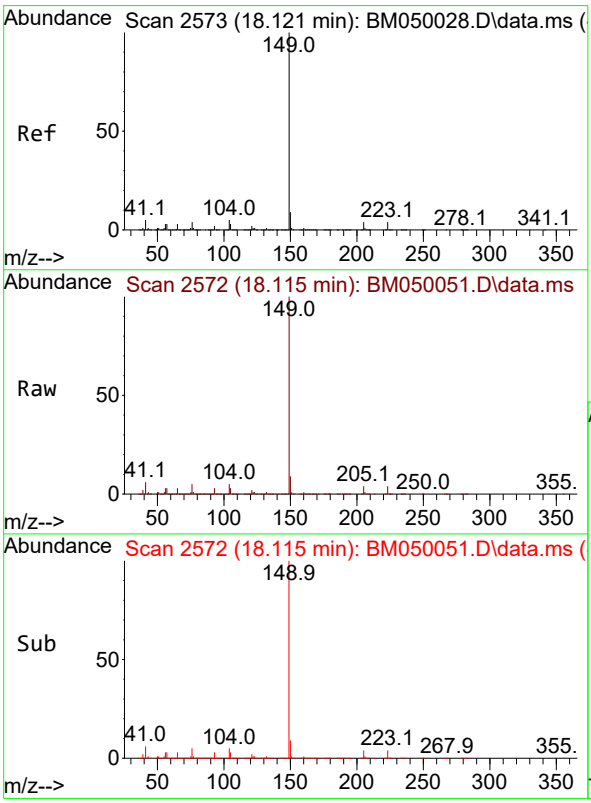
#73
Carbazole
Concen: 37.359 ng
RT: 17.562 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion:167 Resp: 2011901

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.2	25.8
139	11.7	9.0	13.6

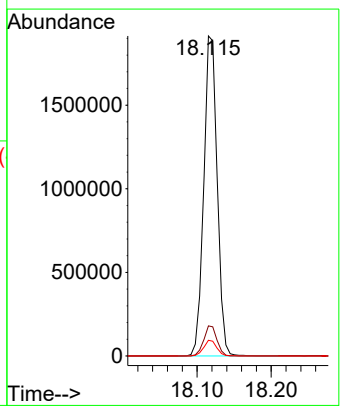


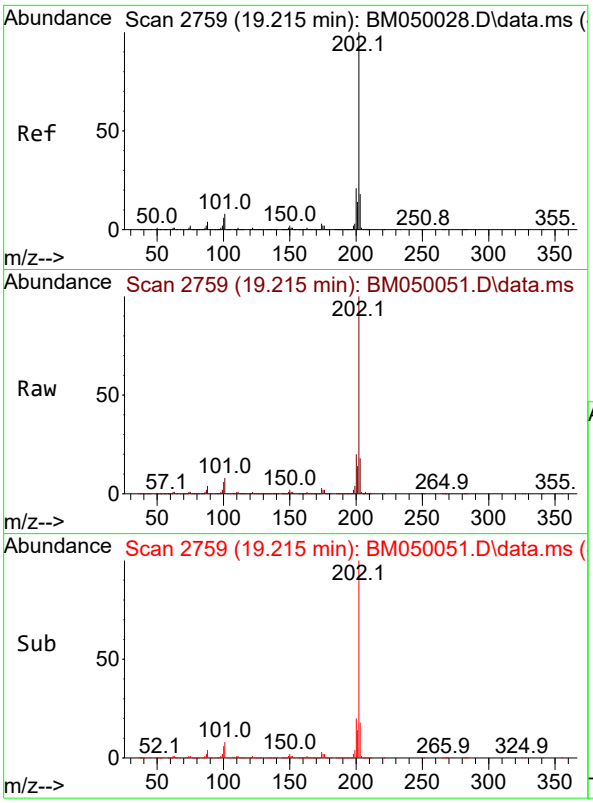


#74
Di-n-butylphthalate
Concen: 37.595 ng
RT: 18.115 min Scan# 2572
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion:149 Resp: 2411092

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.3	10.9
104	4.9	3.8	5.6



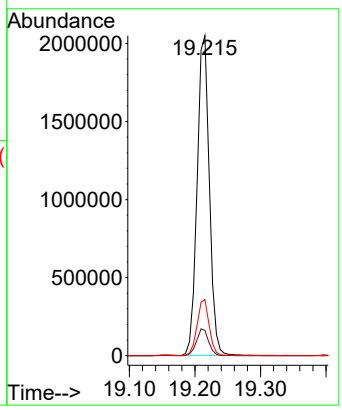


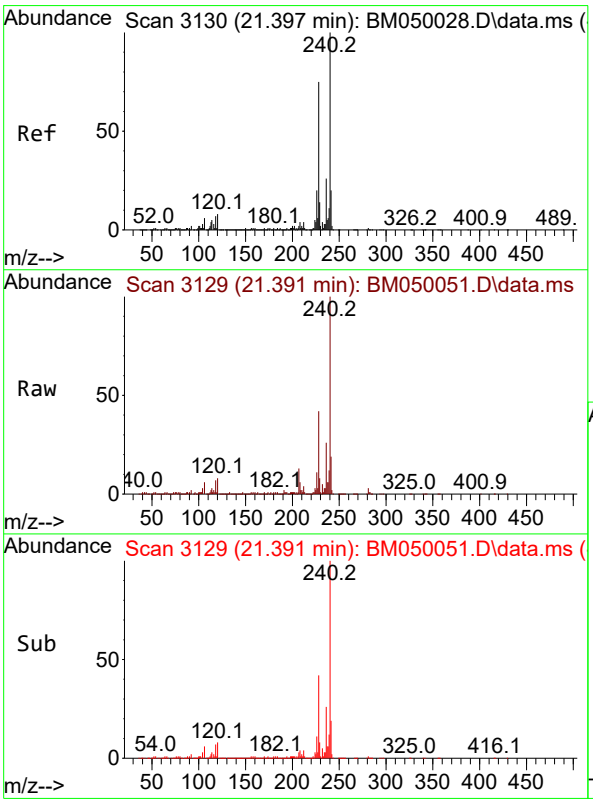
#75
Fluoranthene
Concen: 37.072 ng
RT: 19.215 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion:202 Resp: 2669187

Ion	Ratio	Lower	Upper
202	100		
101	7.9	0.0	28.0
203	17.5	0.0	37.7

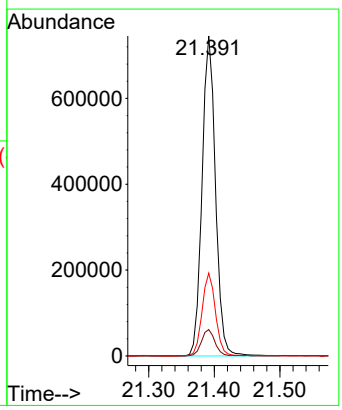


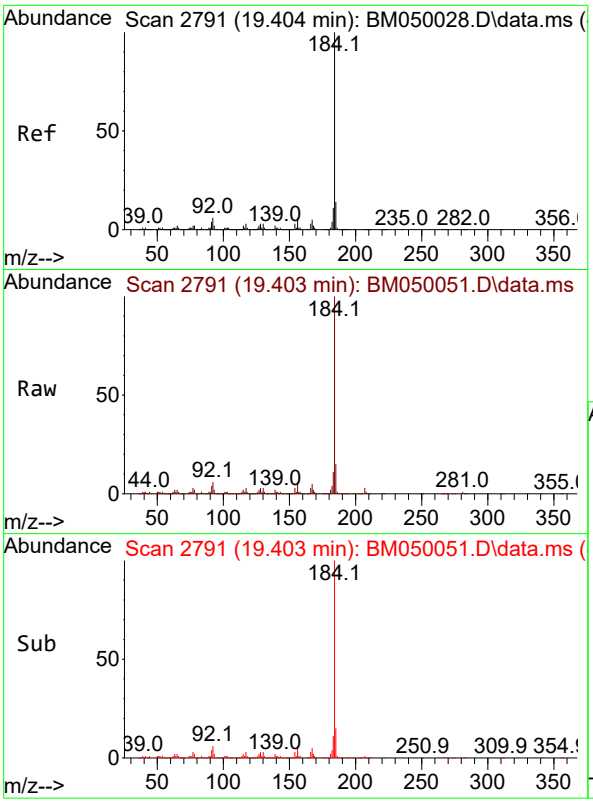


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.391 min Scan# 3129
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion:240 Resp: 1064603

Ion	Ratio	Lower	Upper
240	100		
120	8.3	6.5	9.7
236	25.9	20.9	31.3



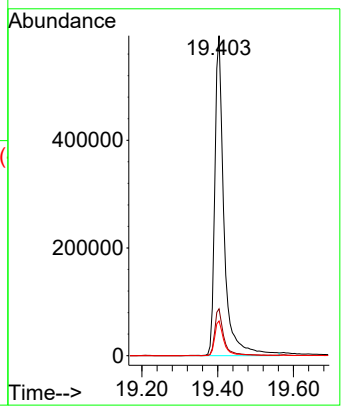


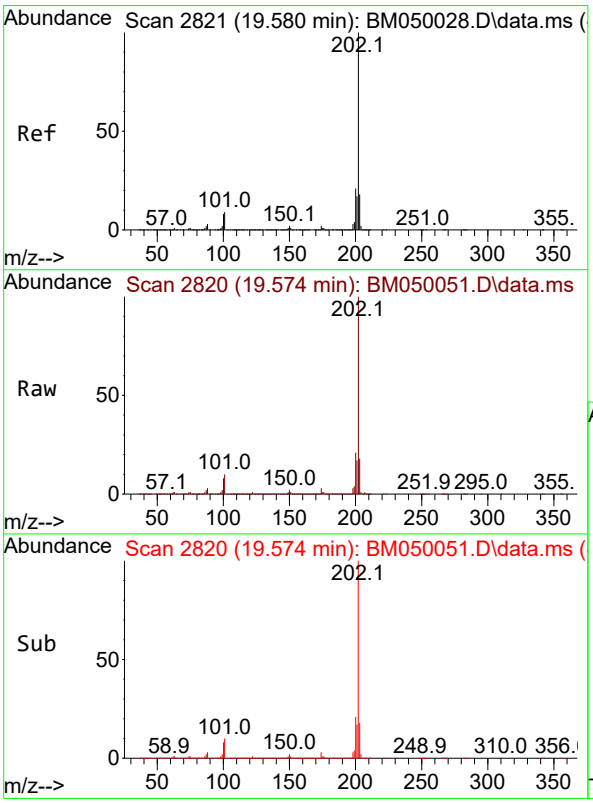
#77
Benzidine
Concen: 26.613 ng
RT: 19.403 min Scan# 2
Delta R.T. -0.001 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion:184 Resp: 1006375

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.5	17.3
183	10.8	8.9	13.3

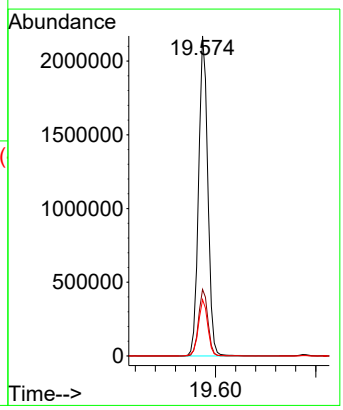


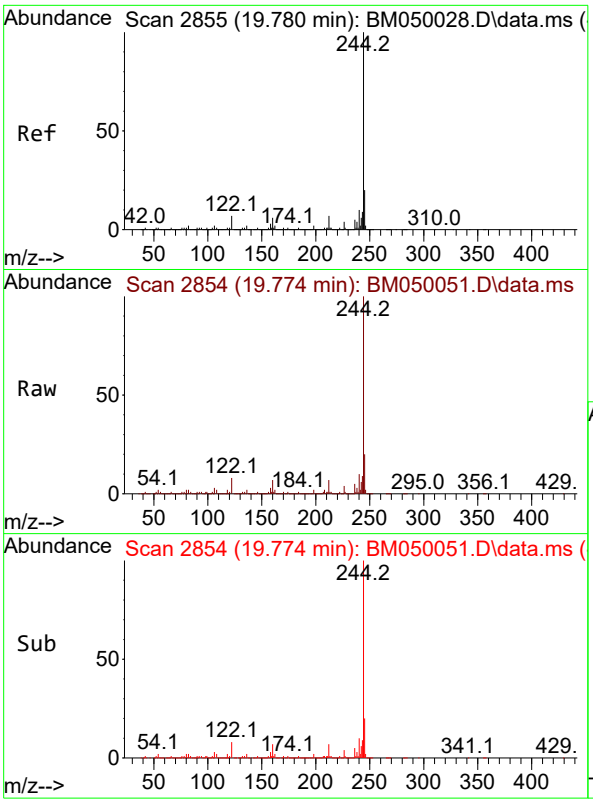


#78
Pyrene
Concen: 36.932 ng
RT: 19.574 min Scan# 2820
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion:202 Resp: 2761052

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.7	25.1
203	17.6	14.1	21.1



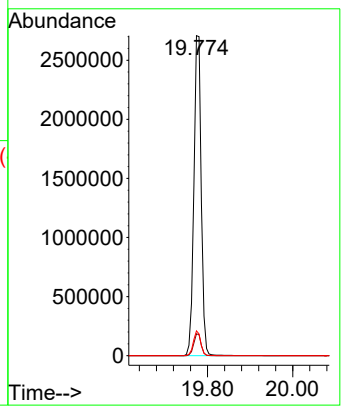


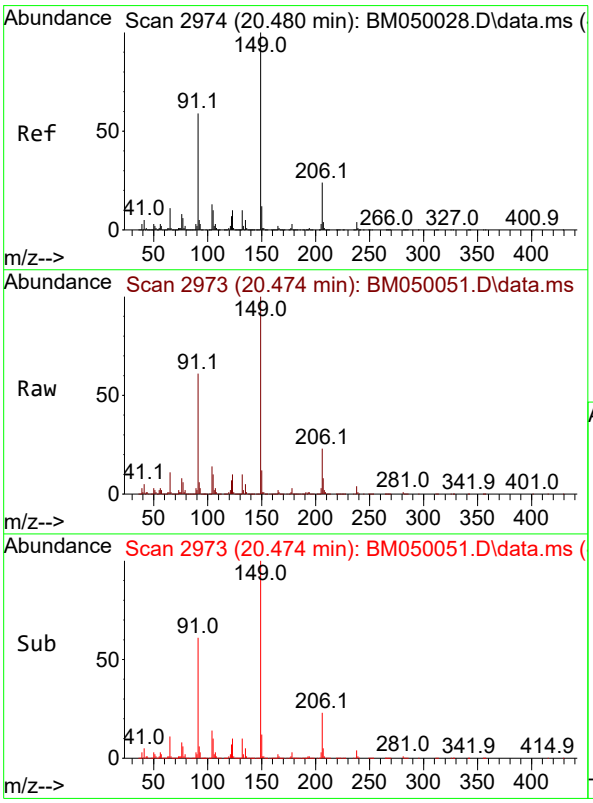
#79
Terphenyl-d14
Concen: 44.868 ng
RT: 19.774 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion:244 Resp: 3228035

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

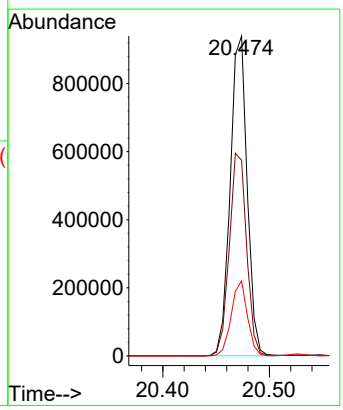


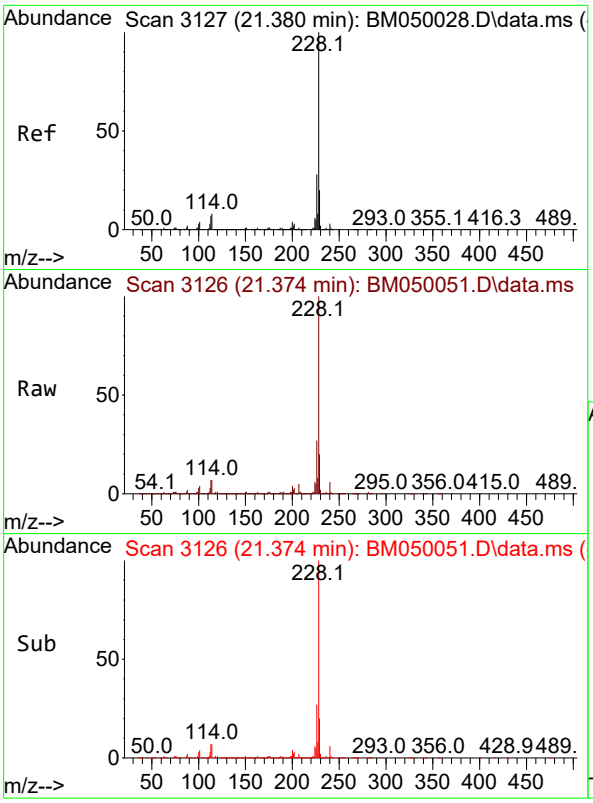


#80
Butylbenzylphthalate
Concen: 36.997 ng
RT: 20.474 min Scan# 2973
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion:149 Resp: 1035927

Ion	Ratio	Lower	Upper
149	100		
91	61.1	47.4	71.2
206	23.5	19.4	29.0



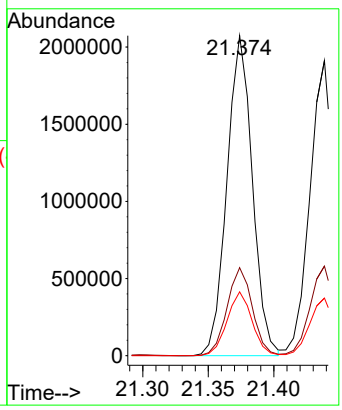


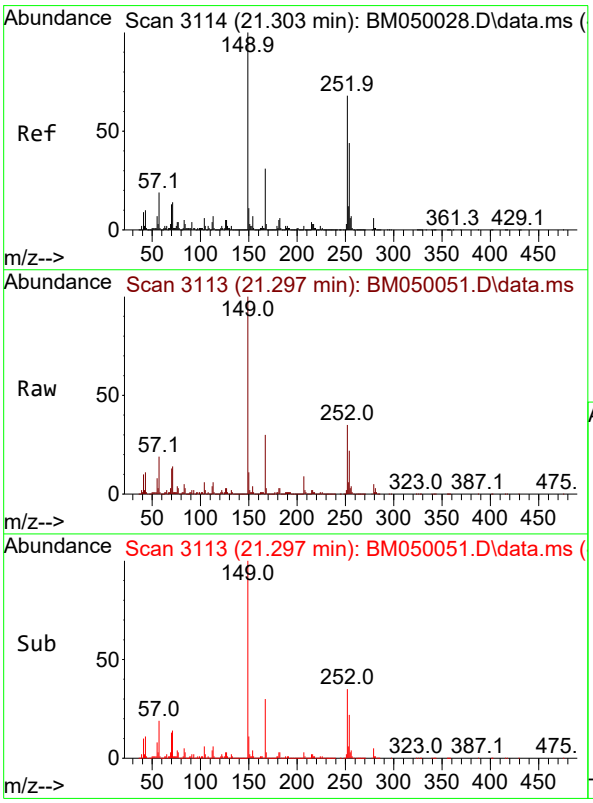
#81
Benzo(a)anthracene
Concen: 38.225 ng
RT: 21.374 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion:228 Resp: 2802323

Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.1	33.1
229	20.0	15.7	23.5

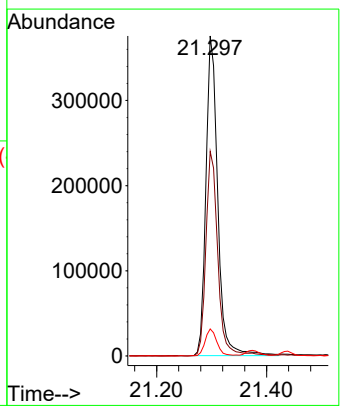


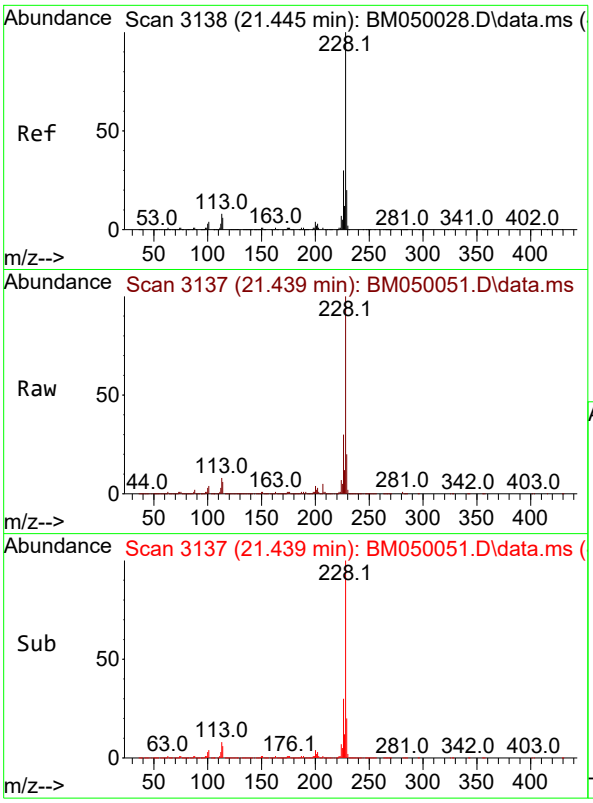


#82
3,3'-Dichlorobenzidine
Concen: 19.901 ng
RT: 21.297 min Scan# 3113
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion:252 Resp: 558496

Ion	Ratio	Lower	Upper
252	100		
254	63.9	51.8	77.6
126	8.5	6.0	9.0



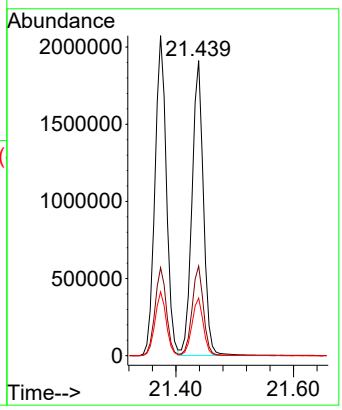


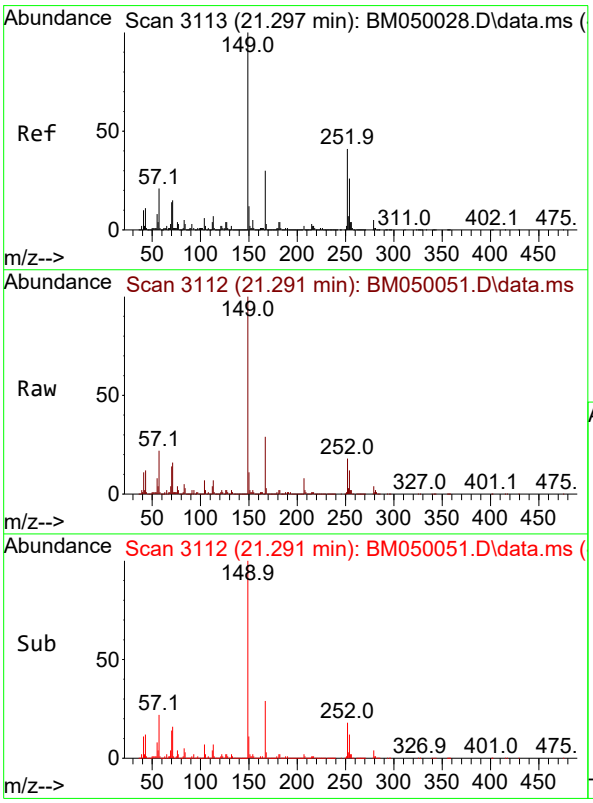
#83
Chrysene
Concen: 37.948 ng
RT: 21.439 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion:228 Resp: 2574823

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.2	36.2
229	19.5	15.7	23.5

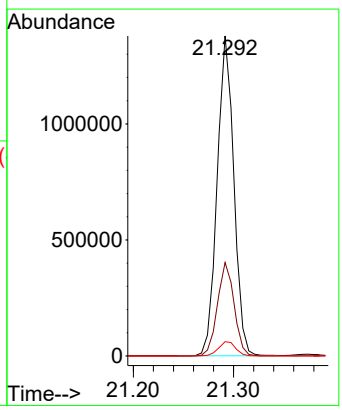


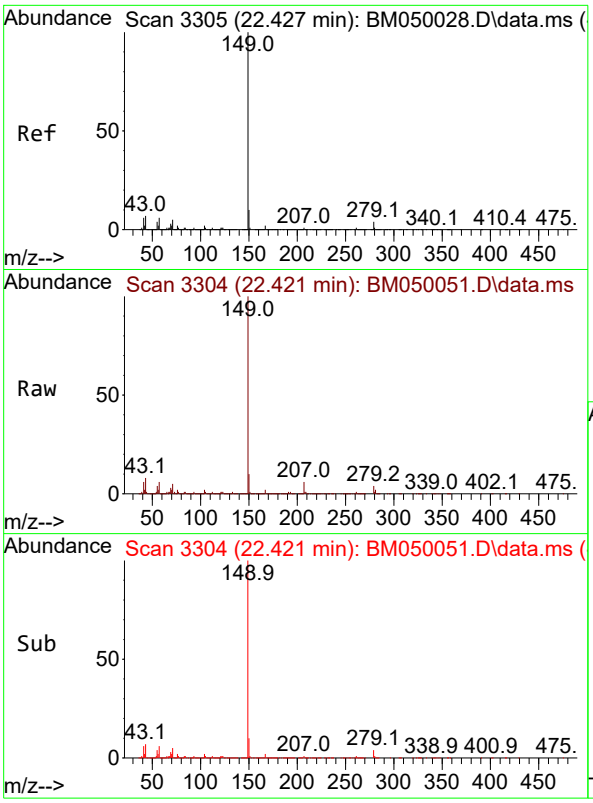


#84
Bis(2-ethylhexyl)phthalate
Concen: 37.968 ng
RT: 21.291 min Scan# 3112
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion:149 Resp: 1587961

Ion	Ratio	Lower	Upper
149	100		
167	29.2	24.1	36.1
279	4.4	3.9	5.9



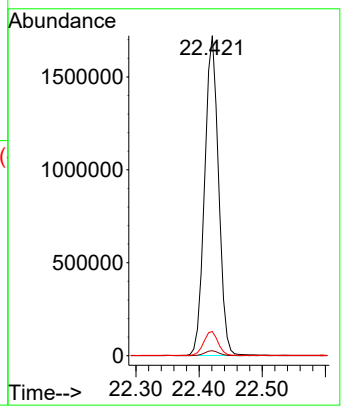


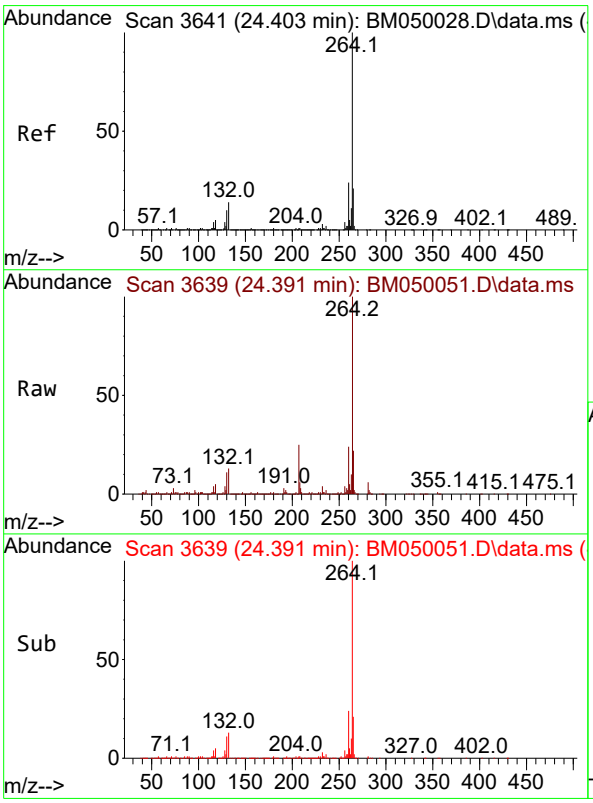
#85
Di-n-octyl phthalate
Concen: 38.085 ng
RT: 22.421 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion:149 Resp: 2626805

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.7	5.8	8.8

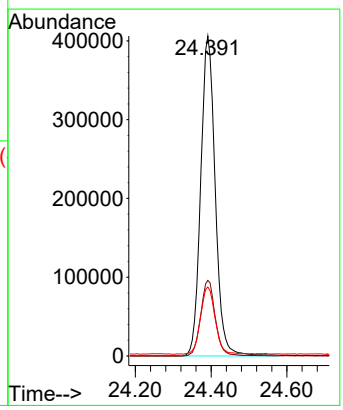


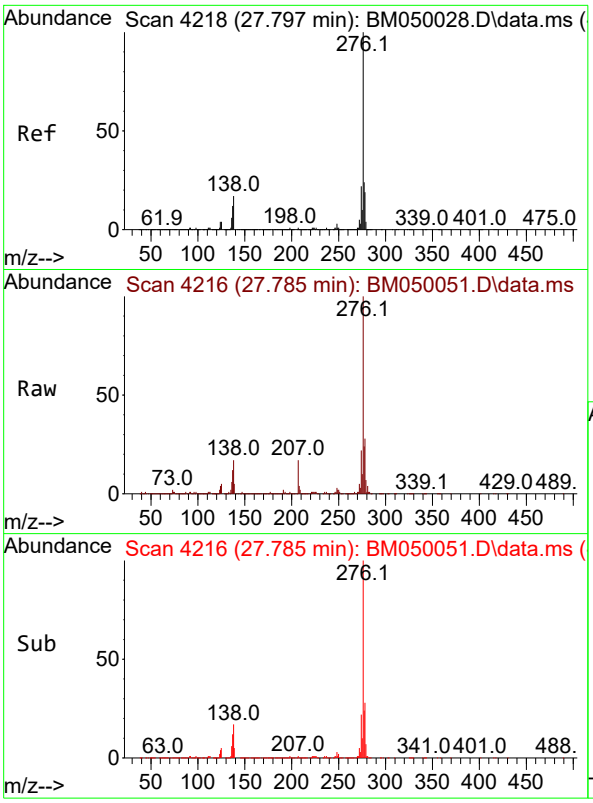


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.391 min Scan# 3639
Delta R.T. -0.012 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion:264 Resp: 1079586

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.8	28.2
265	21.6	17.0	25.4



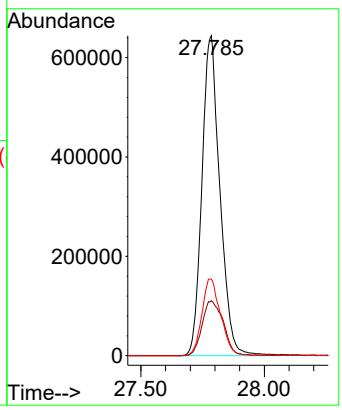


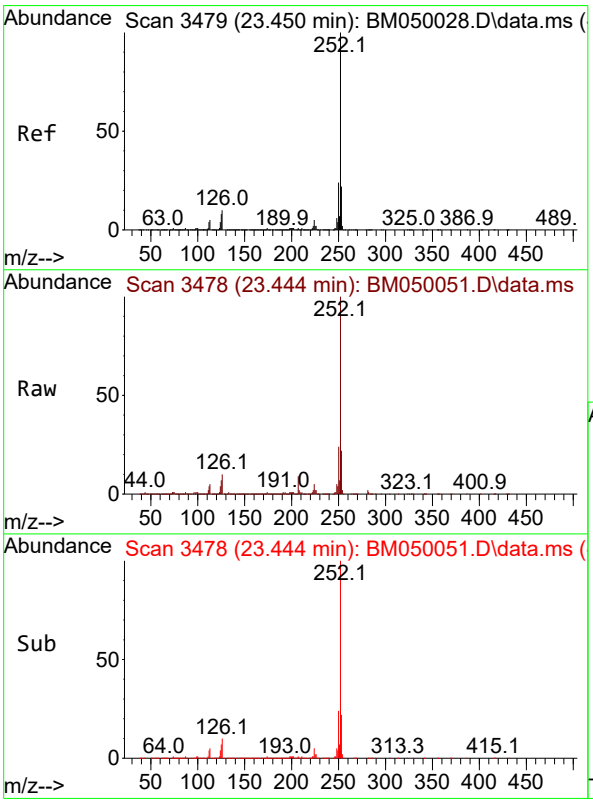
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.453 ng
RT: 27.785 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion:276 Resp: 3254161

Ion	Ratio	Lower	Upper
276	100		
138	20.4	16.4	24.6
277	25.0	19.8	29.8

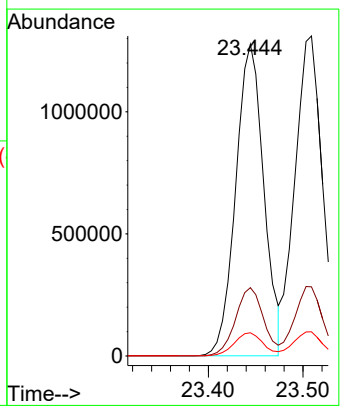


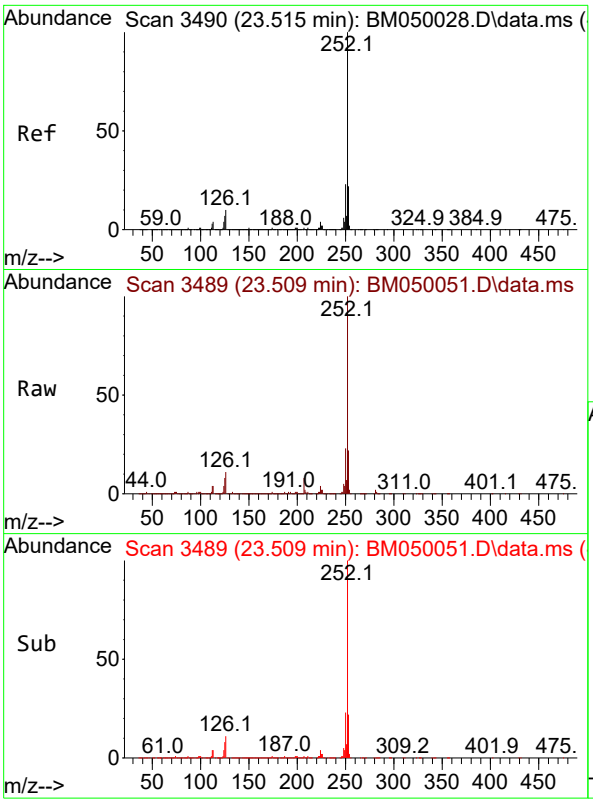


#88
Benzo(b)fluoranthene
Concen: 37.475 ng
RT: 23.444 min Scan# 3478
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion:252 Resp: 2631049

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	7.4	6.1	9.1



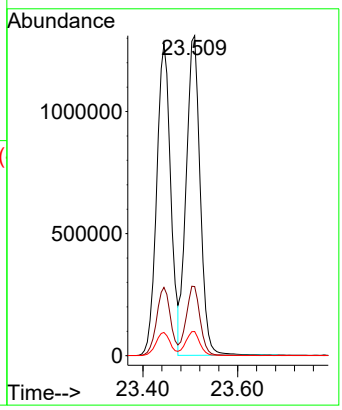


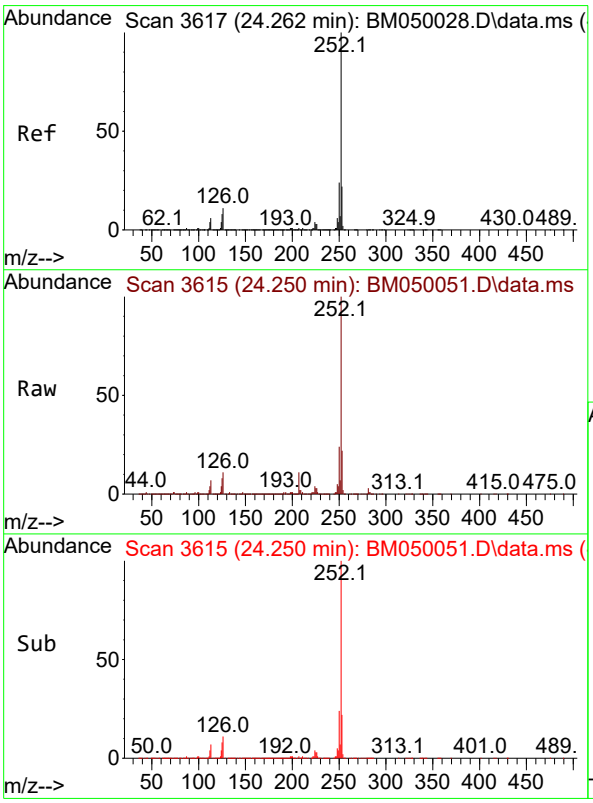
#89
Benzo(k)fluoranthene
Concen: 37.756 ng
RT: 23.509 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion:252 Resp: 2681396

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.2
125	7.6	5.8	8.8

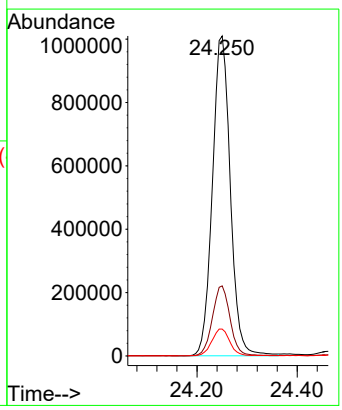


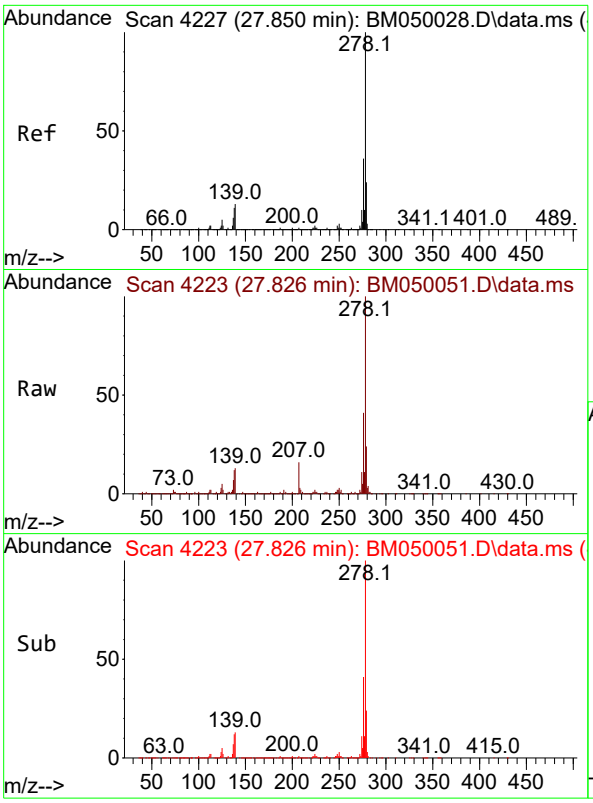


#90
Benzo(a)pyrene
Concen: 37.988 ng
RT: 24.250 min Scan# 3615
Delta R.T. -0.012 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion:252 Resp: 2498009

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0
125	8.4	6.6	9.8



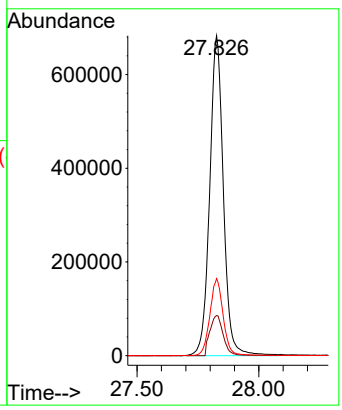


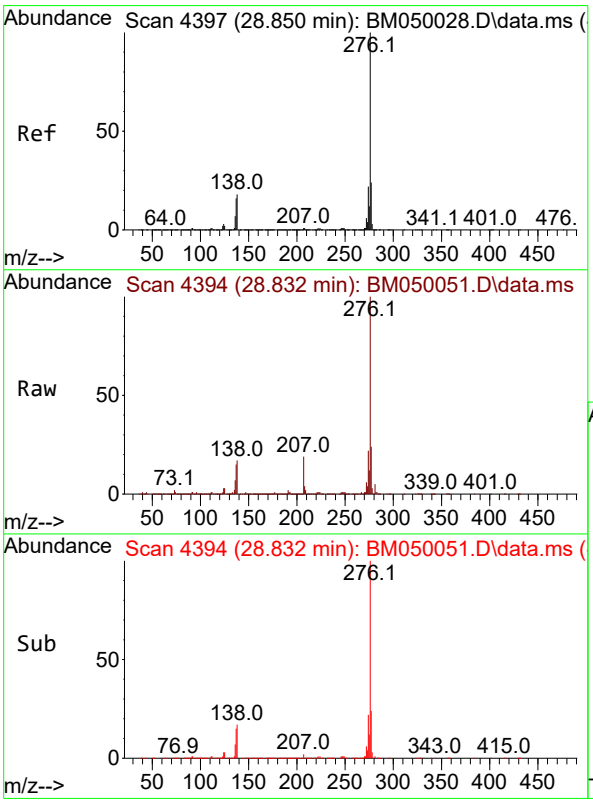
#91
Dibenzo(a,h)anthracene
Concen: 40.625 ng
RT: 27.826 min Scan# 4
Delta R.T. -0.024 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Instrument :
BNA_M
ClientSampleId :
COMP-2MSD

Tgt Ion:278 Resp: 2663917

Ion	Ratio	Lower	Upper
278	100		
139	12.5	10.5	15.7
279	24.1	19.4	29.0

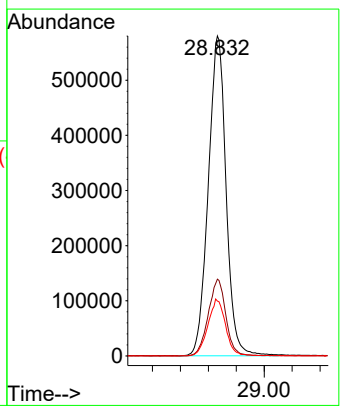




#92
Benzo(g,h,i)perylene
Concen: 40.801 ng
RT: 28.832 min Scan# 4394
Delta R.T. -0.018 min
Lab File: BM050051.D
Acq: 30 Apr 2025 18:41

Tgt Ion:276 Resp: 2561403

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.1	28.7
138	17.1	14.3	21.5



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

Report of Analysis

Client:	Nobis Group	Date Collected:	05/01/25
Project:	Raymark Superfund Site	Date Received:	05/01/25
Client Sample ID:	MH-QMSD	SDG No.:	Q1883
Lab Sample ID:	Q1928-01MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	87.1
Sample Wt/Vol:	50.02 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024562.D	1	05/02/25 10:10	05/07/25 13:37	PB167836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	1.00		0.016	0.090	0.12	mg/Kg
91-57-6	2-Methylnaphthalene	0.91		0.018	0.090	0.12	mg/Kg
208-96-8	Acenaphthylene	1.10		0.020	0.090	0.12	mg/Kg
83-32-9	Acenaphthene	1.00		0.015	0.090	0.12	mg/Kg
86-73-7	Fluorene	1.00		0.017	0.090	0.12	mg/Kg
85-01-8	Phenanthrene	1.00		0.014	0.090	0.12	mg/Kg
120-12-7	Anthracene	1.10		0.023	0.090	0.12	mg/Kg
206-44-0	Fluoranthene	1.10		0.021	0.090	0.12	mg/Kg
129-00-0	Pyrene	1.00		0.025	0.090	0.12	mg/Kg
56-55-3	Benzo(a)anthracene	1.10		0.016	0.090	0.12	mg/Kg
218-01-9	Chrysene	1.10		0.014	0.090	0.12	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.10		0.013	0.090	0.12	mg/Kg
207-08-9	Benzo(k)fluoranthene	1.10		0.015	0.090	0.12	mg/Kg
50-32-8	Benzo(a)pyrene	1.20		0.020	0.090	0.12	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.20		0.020	0.090	0.12	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	1.20		0.019	0.090	0.12	mg/Kg
191-24-2	Benzo(g,h,i)perylene	1.10		0.018	0.090	0.12	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	50.4		37 - 122		50%	SPK: 100
321-60-8	2-Fluorobiphenyl	44.9		44 - 115		45%	SPK: 100
1718-51-0	Terphenyl-d14	48.1	*	54 - 127		48%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	158000	7.704				
1146-65-2	Naphthalene-d8	622000	10.475				
15067-26-2	Acenaphthene-d10	394000	14.333				
1517-22-2	Phenanthrene-d10	772000	17.127				
1719-03-5	Chrysene-d12	875000	21.574				
1520-96-3	Perylene-d12	1010000	24.898				

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

Report of Analysis

Client:	Nobis Group	Date Collected:	05/01/25
Project:	Raymark Superfund Site	Date Received:	05/01/25
Client Sample ID:	MH-QMSD	SDG No.:	Q1883
Lab Sample ID:	Q1928-01MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	87.1
Sample Wt/Vol:	50.02 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024562.D	1	05/02/25 10:10	05/07/25 13:37	PB167836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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\BP050725\
Data File : BP024562.D
Acq On : 07 May 2025 13:37
Operator : RC/JU
Sample : Q1928-01MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Quant Time: May 07 13:56:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.704	152	157526	20.000	ng		-0.02
21) Naphthalene-d8	10.475	136	621901	20.000	ng		#-0.02
39) Acenaphthene-d10	14.333	164	393833	20.000	ng		-0.02
64) Phenanthrene-d10	17.127	188	771993	20.000	ng		-0.02
76) Chrysene-d12	21.574	240	874555	20.000	ng		-0.02
86) Perylene-d12	24.898	264	1014332	20.000	ng		-0.04
System Monitoring Compounds							
5) 2-Fluorophenol	5.328	112	677249	71.087	ng		-0.02
7) Phenol-d6	6.898	99	871840	66.832	ng		-0.01
23) Nitrobenzene-d5	8.851	82	549495	50.382	ng		-0.02
42) 2,4,6-Tribromophenol	15.845	330	460187	84.455	ng		-0.02
45) 2-Fluorobiphenyl	12.939	172	1153910	44.861	ng		-0.02
79) Terphenyl-d14	19.851	244	2088015	48.124	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.275	88	165396	41.044	ng	#	95
3) Pyridine	3.663	79	408865	38.424	ng		90
4) n-Nitrosodimethylamine	3.575	42	179044	50.699	ng		76
6) Aniline	7.046	93	585378	50.217	ng		97
8) 2-Chlorophenol	7.281	128	495585	46.591	ng		99
9) Benzaldehyde	6.857	77	189188	29.318	ng		99
10) Phenol	6.922	94	588264	44.953	ng		92
11) bis(2-Chloroethyl)ether	7.134	93	444733	42.180	ng		99
12) 1,3-Dichlorobenzene	7.598	146	523654	45.728	ng		99
13) 1,4-Dichlorobenzene	7.740	146	528640	45.499	ng		99
14) 1,2-Dichlorobenzene	8.051	146	507460	45.231	ng		98
15) Benzyl Alcohol	7.951	79	404407	47.936	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.222	45	485289	42.581	ng		99
17) 2-Methylphenol	8.151	107	401726	47.454	ng		96
18) Hexachloroethane	8.769	117	198270	47.219	ng		97
19) n-Nitroso-di-n-propyla...	8.504	70	327062	40.525	ng		94
20) 3+4-Methylphenols	8.475	107	544513	46.356	ng		97
22) Acetophenone	8.522	105	688833	44.751	ng	#	97
24) Nitrobenzene	8.893	77	497758	46.134	ng		99
25) Isophorone	9.416	82	911870	46.191	ng		98
26) 2-Nitrophenol	9.598	139	263592	49.923	ng		95
27) 2,4-Dimethylphenol	9.663	122	445892	67.257	ng		98
28) bis(2-Chloroethoxy)met...	9.887	93	564064	42.296	ng		99
29) 2,4-Dichlorophenol	10.139	162	449535	49.730	ng		99
30) 1,2,4-Trichlorobenzene	10.334	180	460154	47.511	ng		98
31) Naphthalene	10.528	128	1438310	43.905	ng		99
32) Benzoic acid	9.828	122	327410	42.383	ng		99
33) 4-Chloroaniline	10.639	127	561129	48.639	ng		98
34) Hexachlorobutadiene	10.804	225	289590	50.883	ng		99
35) Caprolactam	11.445	113	157545	47.234	ng		95
36) 4-Chloro-3-methylphenol	11.781	107	513563	48.776	ng		100
37) 2-Methylnaphthalene	12.134	142	905522	39.857	ng		96
38) 1-Methylnaphthalene	12.357	142	966108	43.468	ng		99
40) 1,2,4,5-Tetrachloroben...	12.510	216	509449	47.038	ng		99
41) Hexachlorocyclopentadiene	12.486	237	696869	181.929	ng		99
43) 2,4,6-Trichlorophenol	12.757	196	365420	50.748	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050725\
Data File : BP024562.D
Acq On : 07 May 2025 13:37
Operator : RC/JU
Sample : Q1928-01MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Quant Time: May 07 13:56:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

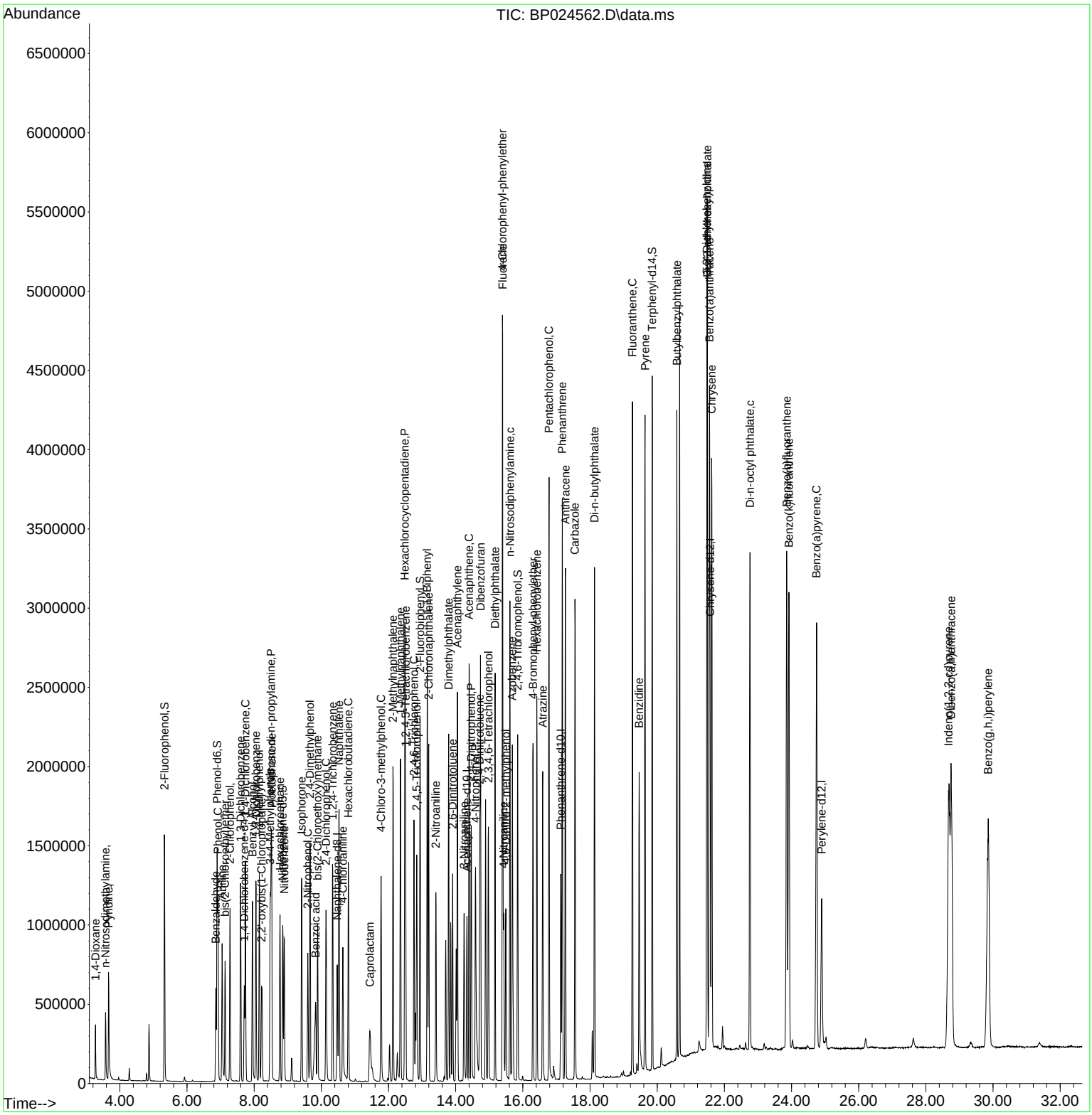
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.839	196	401238	50.319	ng		99
46) 1,1'-Biphenyl	13.151	154	1292677	44.654	ng		99
47) 2-Chloronaphthalene	13.198	162	996212	46.044	ng		99
48) 2-Nitroaniline	13.410	65	313307	51.624	ng		96
49) Acenaphthylene	14.051	152	1660892	48.758	ng		99
50) Dimethylphthalate	13.792	163	1320326	46.100	ng		100
51) 2,6-Dinitrotoluene	13.910	165	291084	47.862	ng		92
52) Acenaphthene	14.398	154	945952	43.803	ng		99
53) 3-Nitroaniline	14.251	138	306831	48.003	ng		100
54) 2,4-Dinitrophenol	14.463	184	395229	110.325	ng		92
55) Dibenzofuran	14.739	168	1527310	43.267	ng		96
56) 4-Nitrophenol	14.592	139	542331	98.241	ng		93
57) 2,4-Dinitrotoluene	14.716	165	428851	51.693	ng		96
58) Fluorene	15.398	166	1236303	45.242	ng		100
59) 2,3,4,6-Tetrachlorophenol	14.975	232	353479	48.064	ng		99
60) Diethylphthalate	15.175	149	1346542	45.623	ng		99
61) 4-Chlorophenyl-phenyle...	15.392	204	604756	45.574	ng		98
62) 4-Nitroaniline	15.427	138	324042	47.888	ng		85
63) Azobenzene	15.686	77	1257263	46.347	ng		96
65) 4,6-Dinitro-2-methylph...	15.492	198	247587	50.869	ng		96
66) n-Nitrosodiphenylamine	15.616	169	1091788	47.382	ng		99
67) 4-Bromophenyl-phenylether	16.304	248	414138	49.050	ng		100
68) Hexachlorobenzene	16.416	284	514146	51.247	ng		99
69) Atrazine	16.592	200	392473	66.876	ng		99
70) Pentachlorophenol	16.780	266	691833	98.845	ng		100
71) Phenanthrene	17.174	178	1921721	45.631	ng		100
72) Anthracene	17.269	178	1969025	48.511	ng		99
73) Carbazole	17.551	167	1882845	47.475	ng		99
74) Di-n-butylphthalate	18.133	149	2397286	48.518	ng		99
75) Fluoranthene	19.263	202	2339401	46.706	ng		97
77) Benzidine	19.463	184	1220239	110.073	ng		99
78) Pyrene	19.639	202	2431140	43.742	ng		100
80) Butylbenzylphthalate	20.586	149	1160705	48.757	ng		98
81) Benzo(a)anthracene	21.557	228	2582660	47.511	ng		100
82) 3,3'-Dichlorobenzidine	21.480	252	938740	49.202	ng		99
83) Chrysene	21.621	228	2383597	45.769	ng		100
84) Bis(2-ethylhexyl)phtha...	21.492	149	1688963	48.397	ng		99
85) Di-n-octyl phthalate	22.762	149	2955365	52.091	ng		100
87) Indeno(1,2,3-cd)pyrene	28.674	276	3592229	51.012	ng		96
88) Benzo(b)fluoranthene	23.856	252	2804625m	46.129	ng		
89) Benzo(k)fluoranthene	23.921	252	2769797	47.162	ng		98
90) Benzo(a)pyrene	24.745	252	2696702	51.419	ng		98
91) Dibenzo(a,h)anthracene	28.750	278	2965315	50.732	ng		97
92) Benzo(g,h,i)perylene	29.856	276	2865086	48.158	ng	#	95

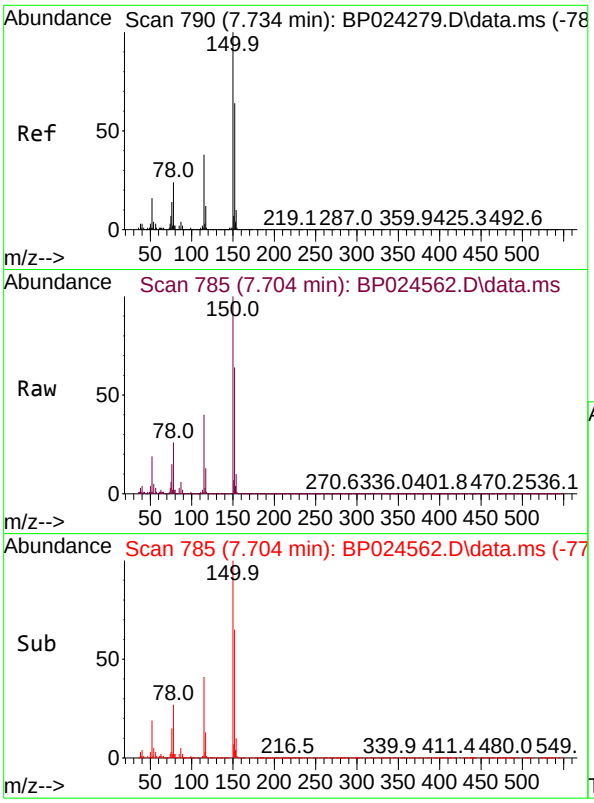
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050725\
Data File : BP024562.D
Acq On : 07 May 2025 13:37
Operator : RC/JU
Sample : Q1928-01MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Quant Time: May 07 13:56:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration



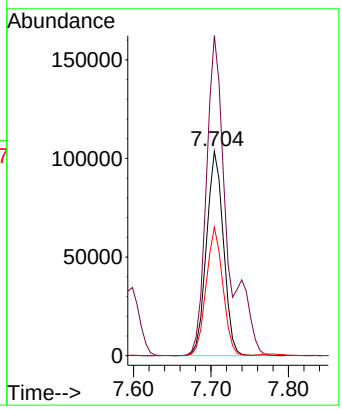


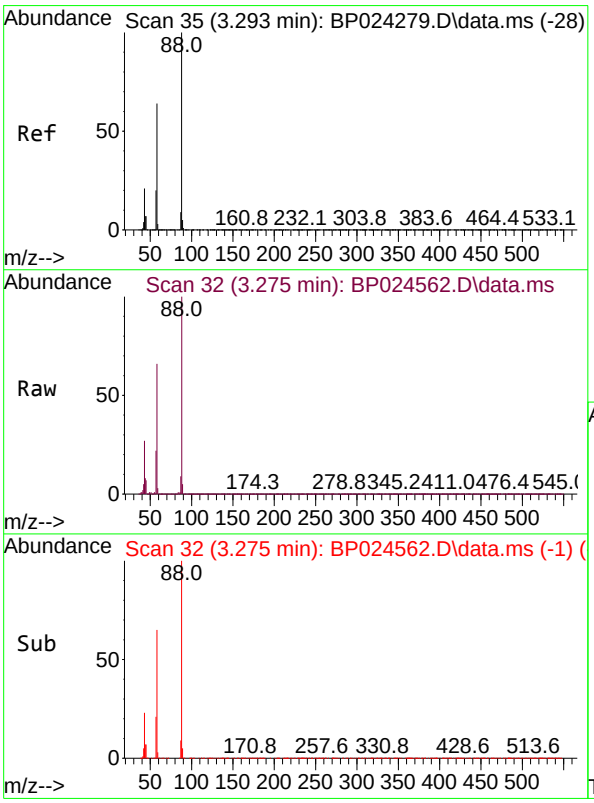
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.704 min Scan# 7
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:152 Resp: 157526

Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.9	187.3
115	62.9	47.7	71.5

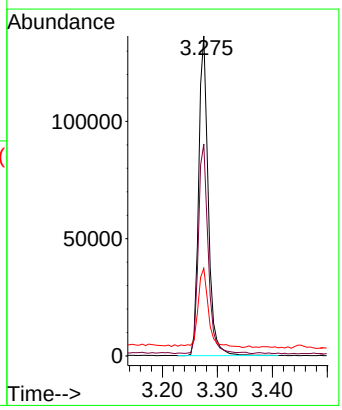


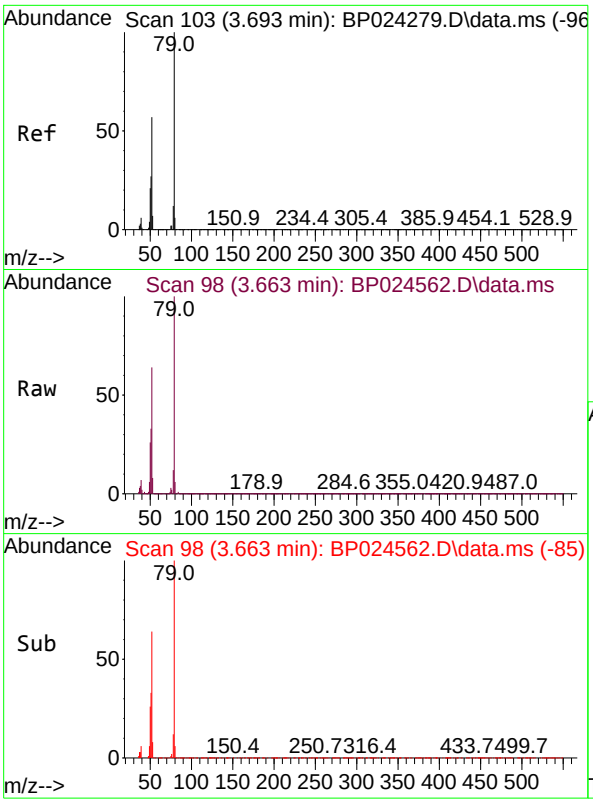


#2
1,4-Dioxane
Concen: 41.044 ng
RT: 3.275 min Scan# 32
Delta R.T. -0.012 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion: 88 Resp: 165396

Ion	Ratio	Lower	Upper
88	100		
58	66.5	51.4	77.2
43	26.9	17.1	25.7#



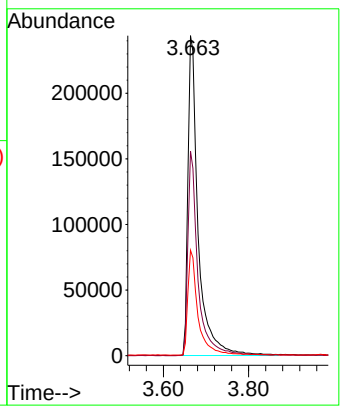


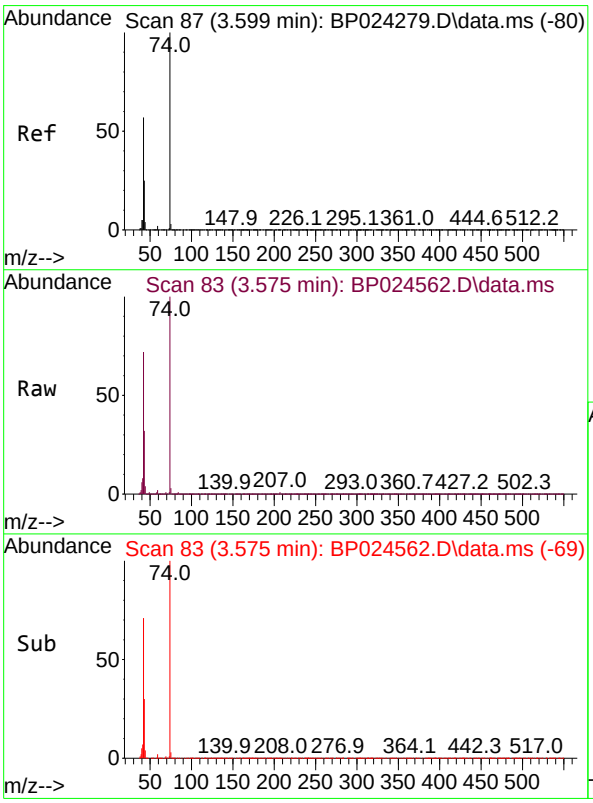
#3
Pyridine
Concen: 38.424 ng
RT: 3.663 min Scan# 9
Delta R.T. -0.024 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion: 79 Resp: 408865

Ion	Ratio	Lower	Upper
79	100		
52	64.0	45.4	68.2
51	33.0	22.6	33.8

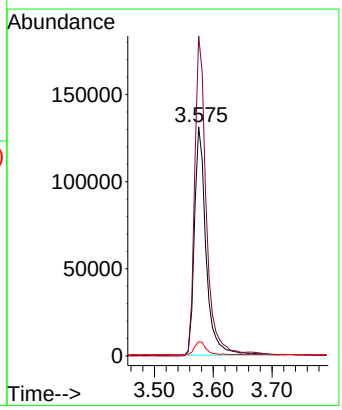


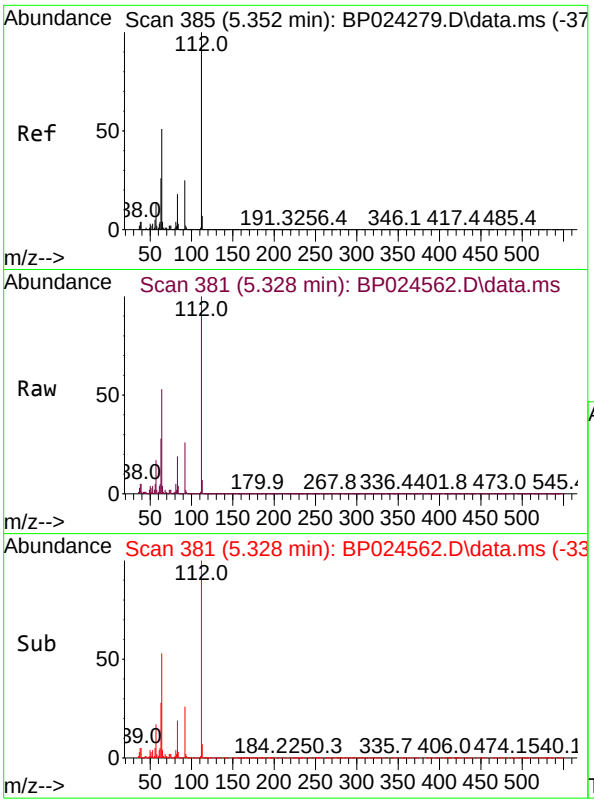


#4
n-Nitrosodimethylamine
Concen: 50.699 ng
RT: 3.575 min Scan# 83
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion: 42 Resp: 179044

Ion	Ratio	Lower	Upper
42	100		
74	139.7	139.5	209.3
44	6.2	5.8	8.8



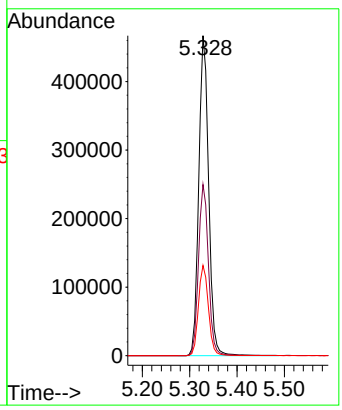


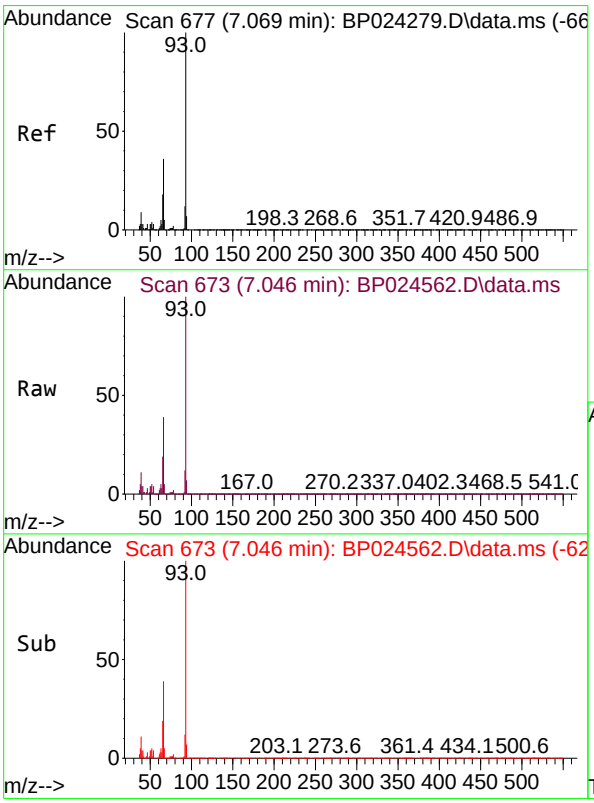
#5
2-Fluorophenol
Concen: 71.087 ng
RT: 5.328 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:112 Resp: 677249

Ion	Ratio	Lower	Upper
112	100		
64	53.5	41.1	61.7
63	28.2	20.6	30.8

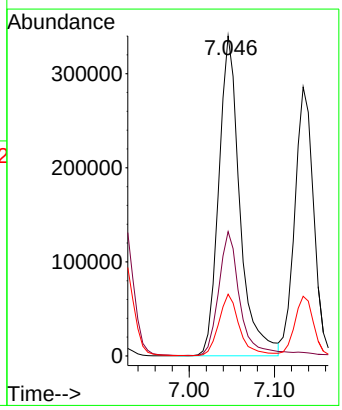


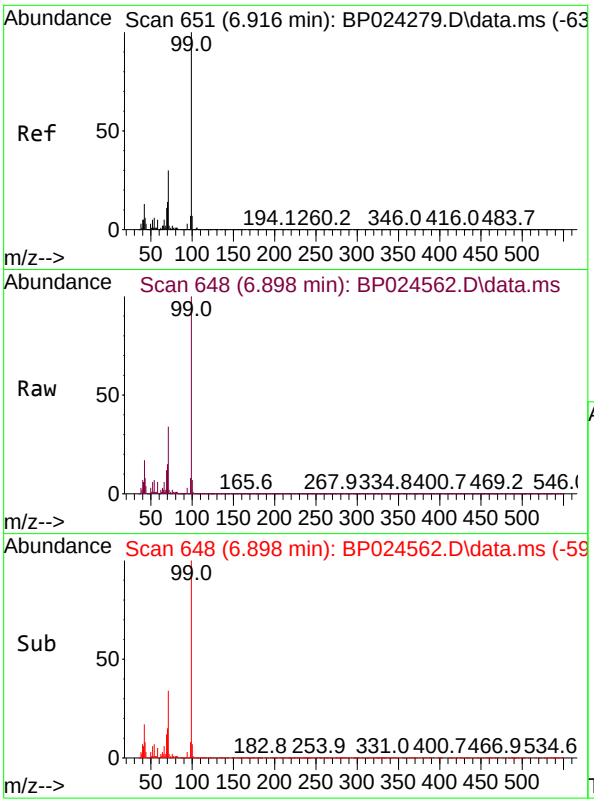


#6
Aniline
Concen: 50.217 ng
RT: 7.046 min Scan# 673
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion: 93 Resp: 585378

Ion	Ratio	Lower	Upper
93	100		
66	38.9	29.1	43.7
65	19.3	14.7	22.1



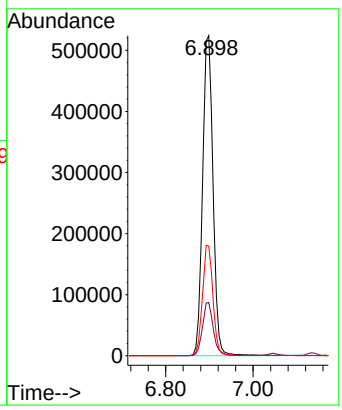


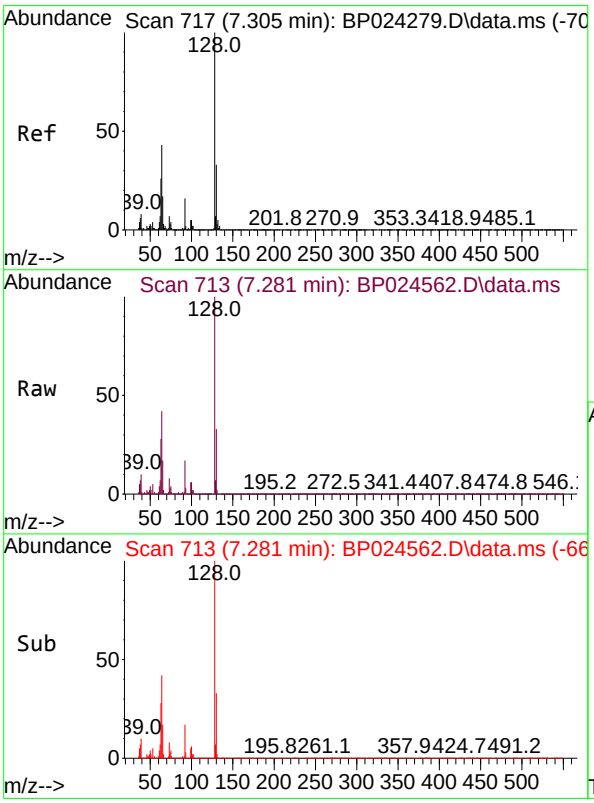
#7
Phenol-d6
Concen: 66.832 ng
RT: 6.898 min Scan# 64
Delta R.T. -0.012 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion: 99 Resp: 871840

Ion	Ratio	Lower	Upper
99	100		
42	16.6	10.6	16.0#
71	34.3	23.7	35.5

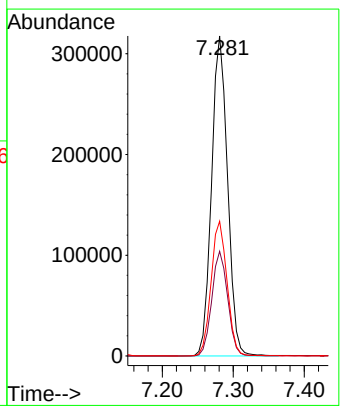


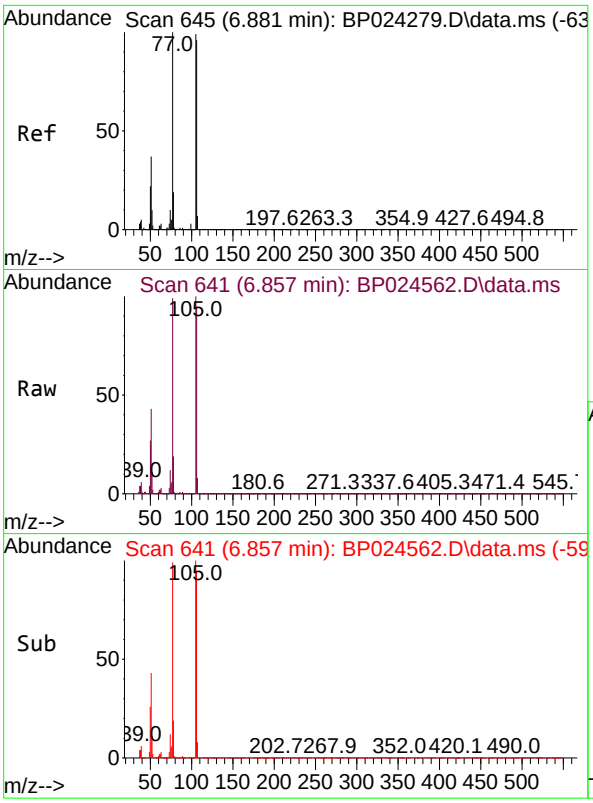


#8
2-Chlorophenol
Concen: 46.591 ng
RT: 7.281 min Scan# 713
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:128 Resp: 495585

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.9	52.9
64	42.1	22.7	62.7



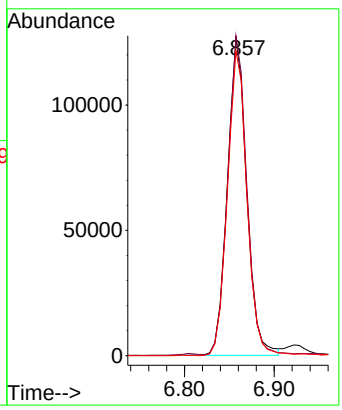


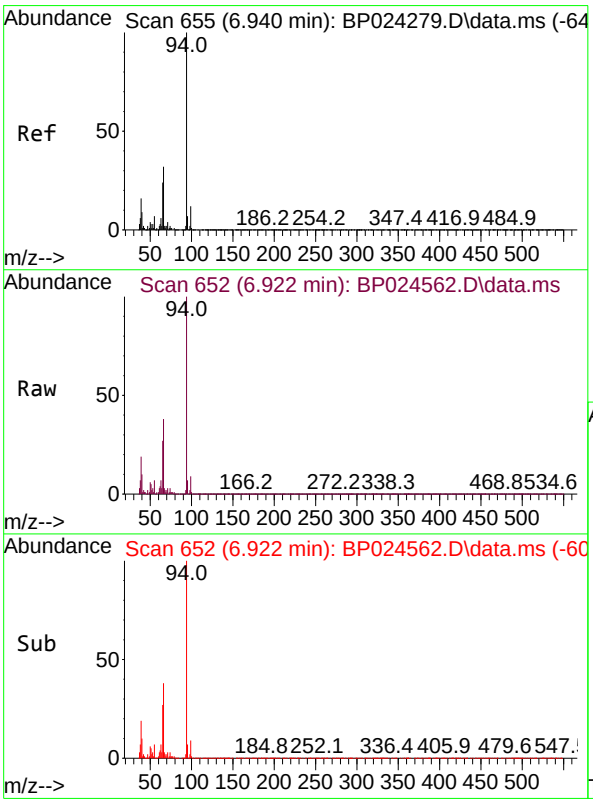
#9
Benzaldehyde
Concen: 29.318 ng
RT: 6.857 min Scan# 64
Delta R.T. -0.024 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion: 77 Resp: 189188

Ion	Ratio	Lower	Upper
77	100		
105	100.8	79.2	119.2
106	96.0	76.2	116.2

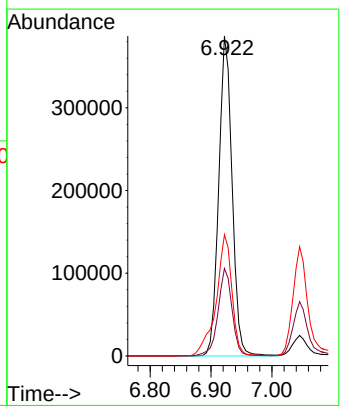


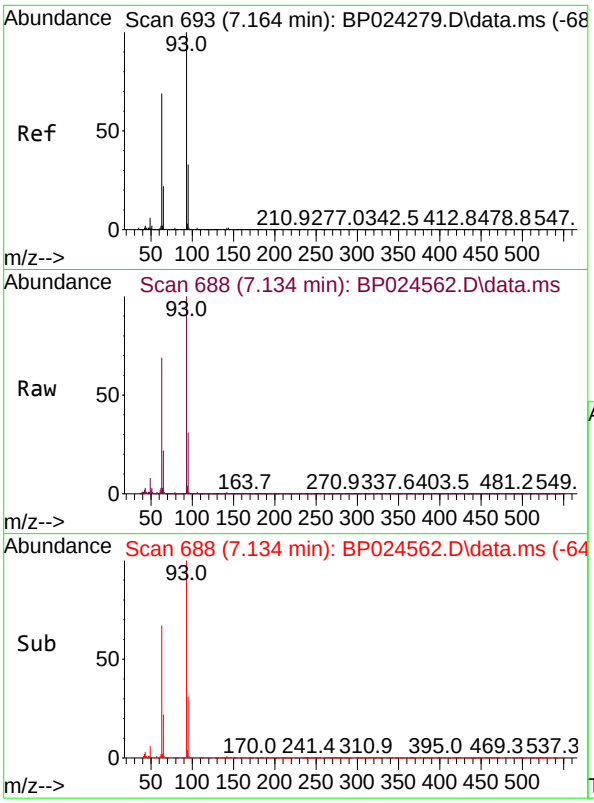


#10
Phenol
Concen: 44.953 ng
RT: 6.922 min Scan# 652
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion: 94 Resp: 588264

Ion	Ratio	Lower	Upper
94	100		
65	27.3	4.5	44.5
66	37.9	12.4	52.4



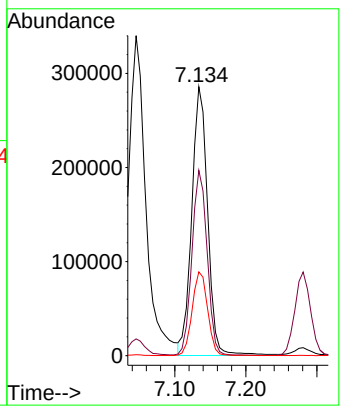


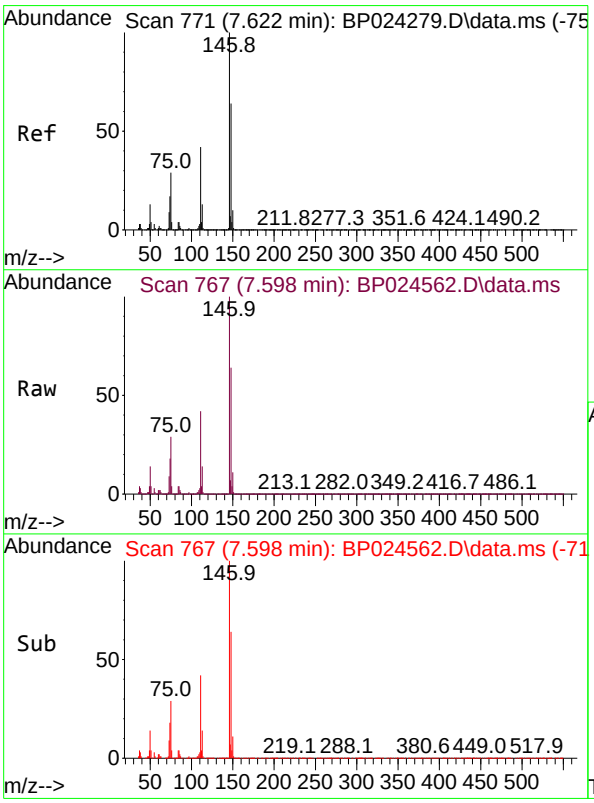
#11
bis(2-Chloroethyl)ether
Concen: 42.180 ng
RT: 7.134 min Scan# 6
Delta R.T. -0.024 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion: 93 Resp: 444733

Ion	Ratio	Lower	Upper
93	100		
63	68.9	48.6	88.6
95	31.2	12.3	52.3

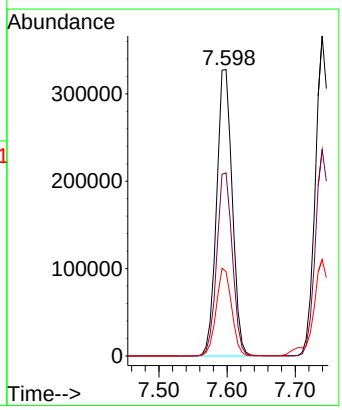


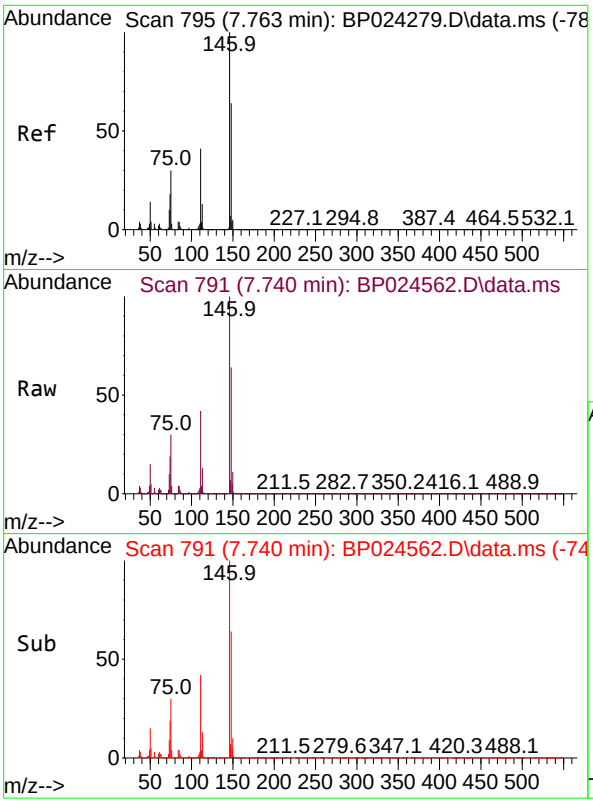


#12
1,3-Dichlorobenzene
Concen: 45.728 ng
RT: 7.598 min Scan# 767
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:146 Resp: 523654

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.4	77.0
75	29.4	22.9	34.3



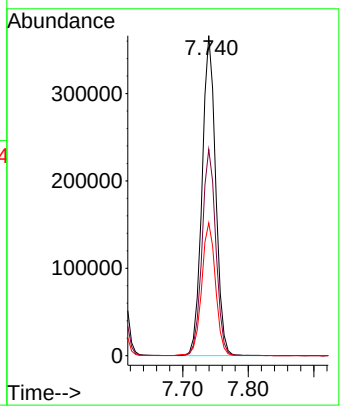


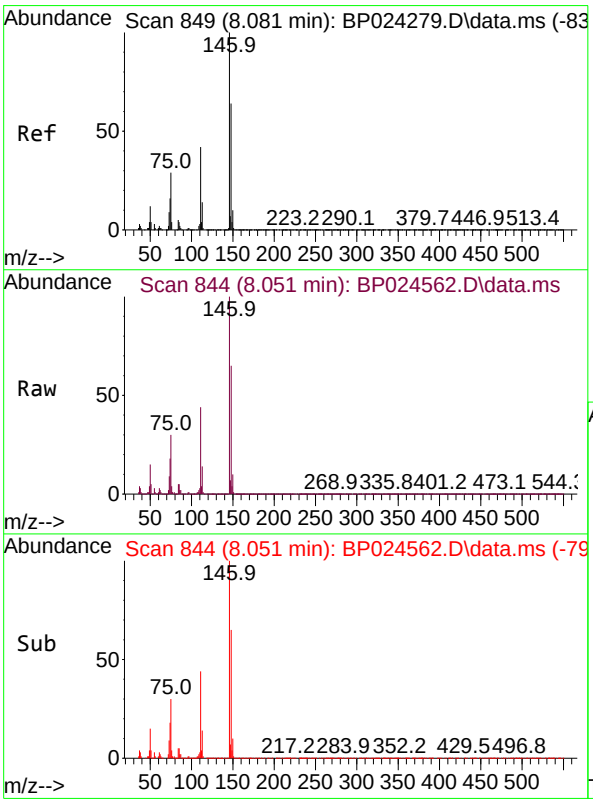
#13
1,4-Dichlorobenzene
Concen: 45.499 ng
RT: 7.740 min Scan# 7
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:146 Resp: 528640

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.1	76.7
111	41.5	32.6	48.8

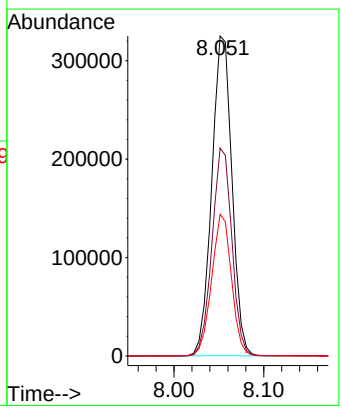


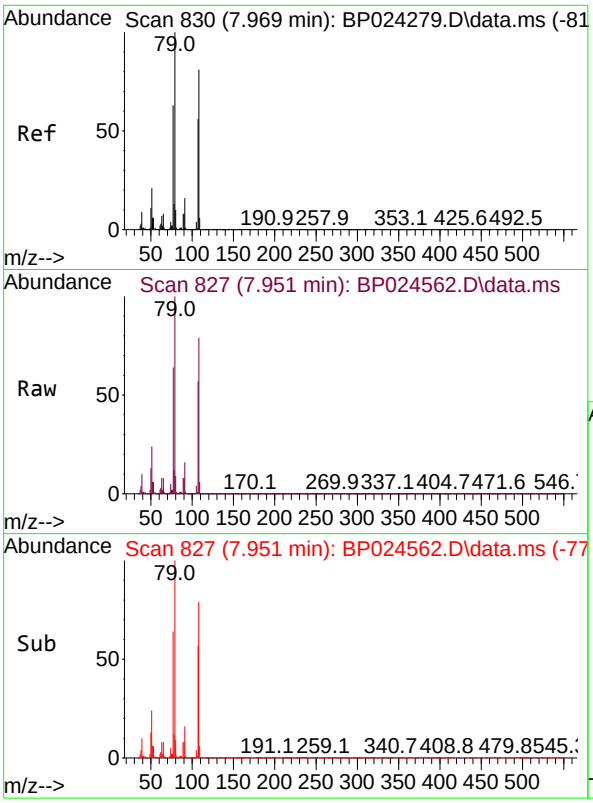


#14
1,2-Dichlorobenzene
Concen: 45.231 ng
RT: 8.051 min Scan# 844
Delta R.T. -0.024 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:146 Resp: 507460

Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.0	76.4
111	44.3	33.8	50.8



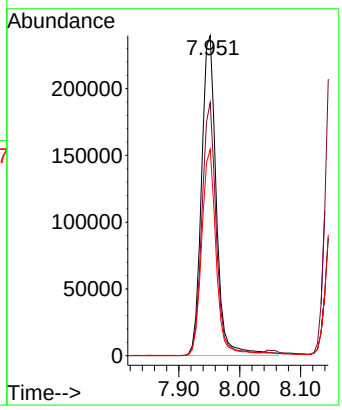


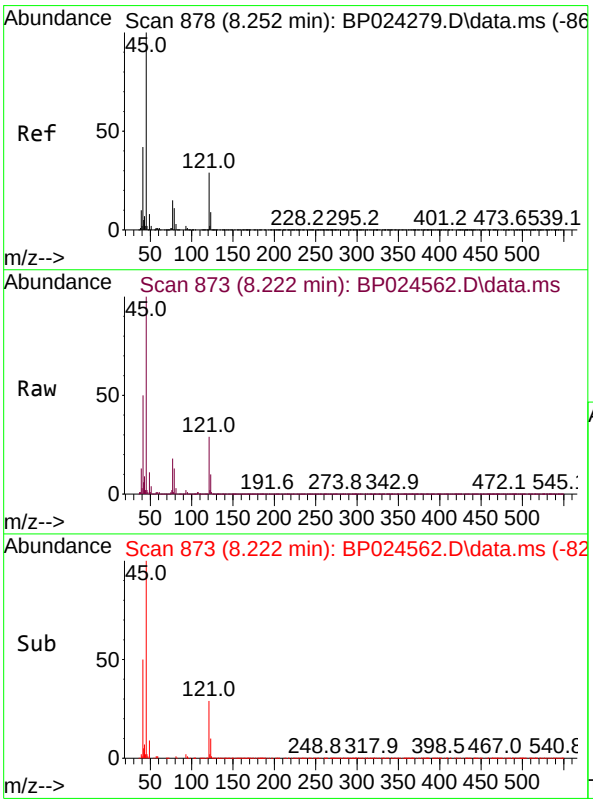
#15
Benzyl Alcohol
Concen: 47.936 ng
RT: 7.951 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion: 79 Resp: 404407

Ion	Ratio	Lower	Upper
79	100		
108	79.1	65.1	97.7
77	64.4	50.7	76.1

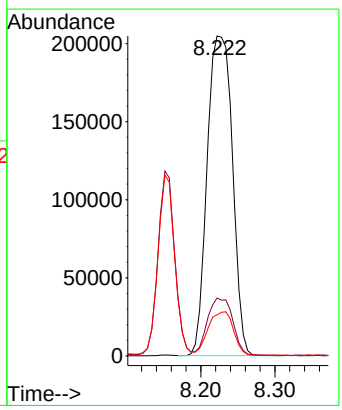


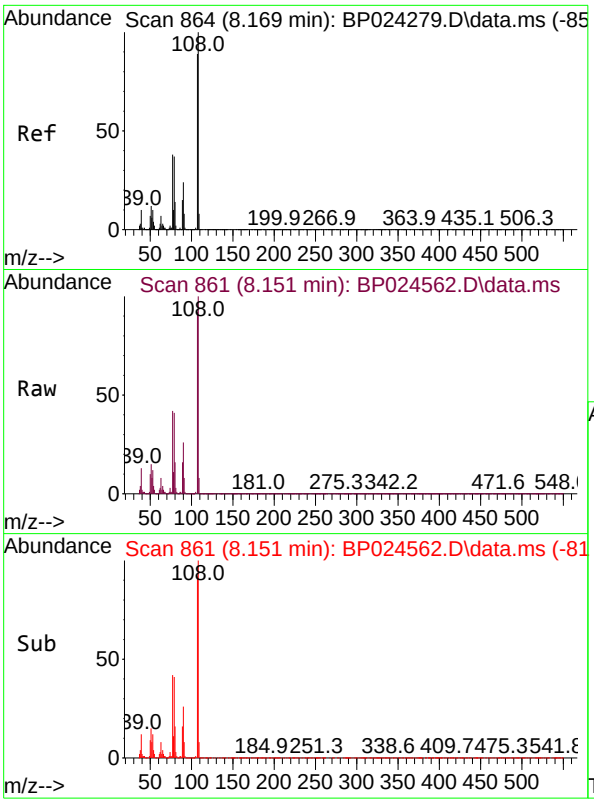


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.581 ng
RT: 8.222 min Scan# 873
Delta R.T. -0.024 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion: 45 Resp: 485289

Ion	Ratio	Lower	Upper
45	100		
77	18.1	0.0	37.7
79	12.9	0.0	33.5



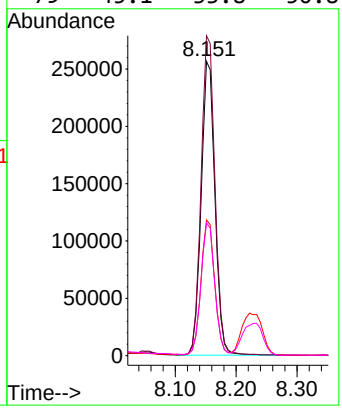


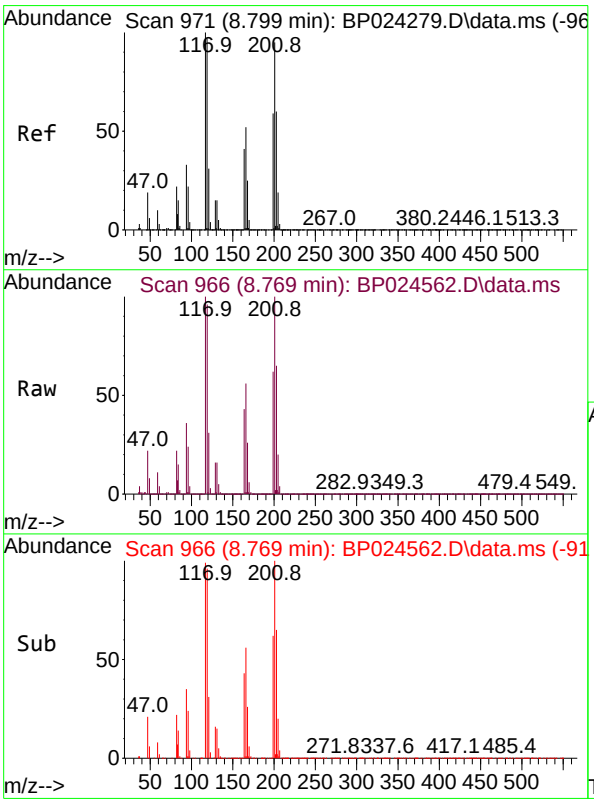
#17
2-Methylphenol
Concen: 47.454 ng
RT: 8.151 min Scan# 8
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:107 Resp: 401726

Ion	Ratio	Lower	Upper
107	100		
108	108.7	89.8	134.6
77	46.1	34.2	51.4
79	45.1	33.8	50.8

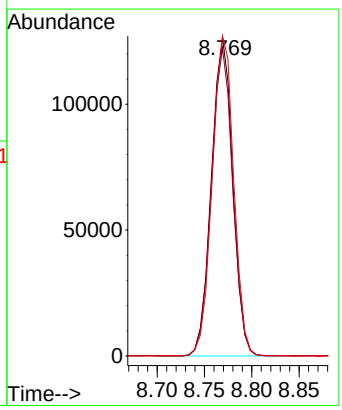


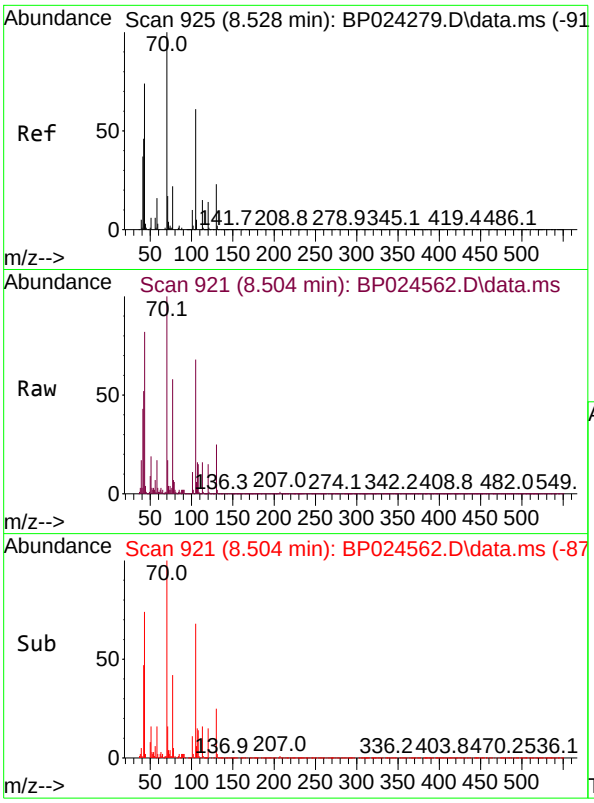


#18
Hexachloroethane
Concen: 47.219 ng
RT: 8.769 min Scan# 966
Delta R.T. -0.024 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:117 Resp: 198270

Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.8	116.6
201	100.5	75.9	113.9



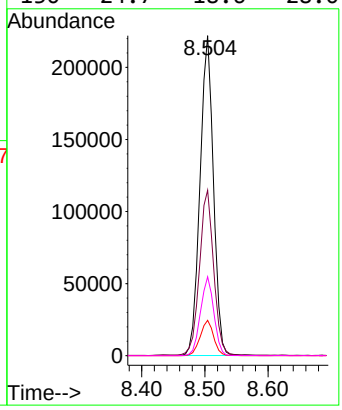


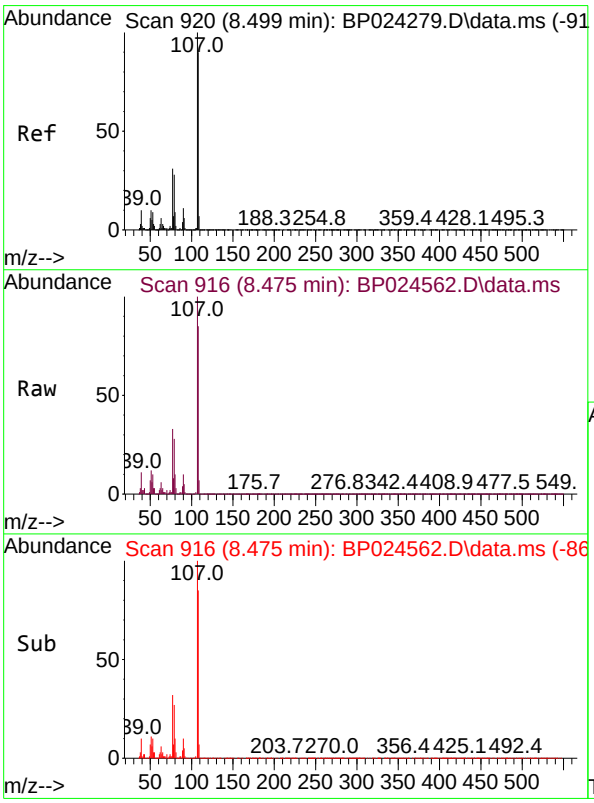
#19
n-Nitroso-di-n-propylamine
Concen: 40.525 ng
RT: 8.504 min Scan# 9
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion: 70 Resp: 327062

Ion	Ratio	Lower	Upper
70	100		
42	51.7	37.3	55.9
101	11.1	8.2	12.4
130	24.7	18.6	28.0

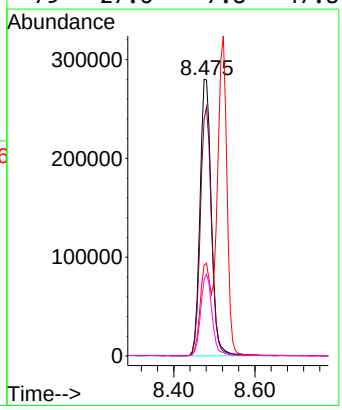


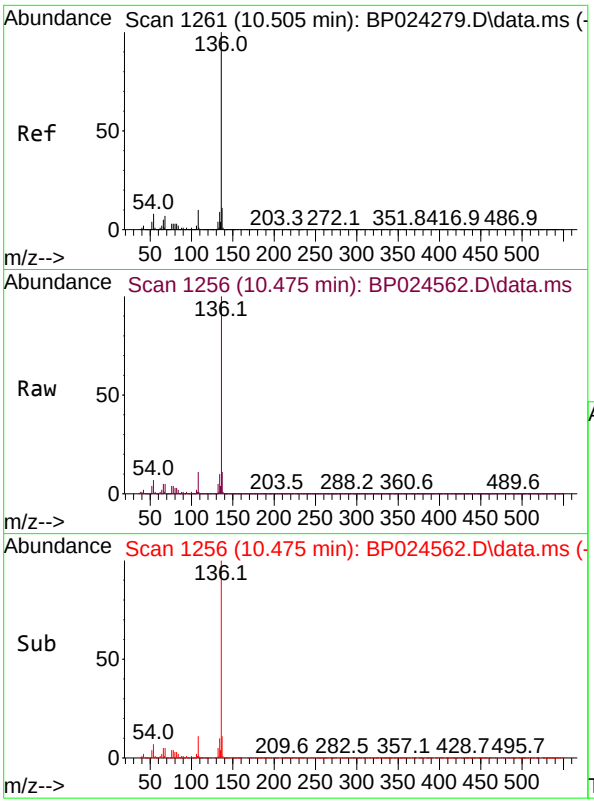


#20
3+4-Methylphenols
Concen: 46.356 ng
RT: 8.475 min Scan# 916
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:107 Resp: 544513

Ion	Ratio	Lower	Upper
107	100		
108	85.4	69.8	109.8
77	32.9	11.5	51.5
79	27.6	7.8	47.8



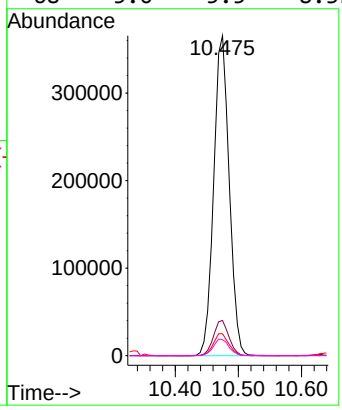


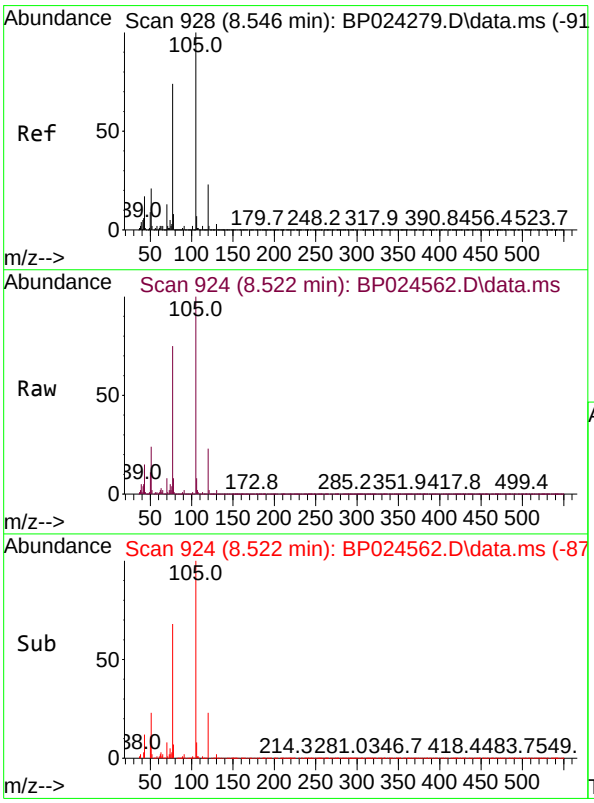
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.475 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:136 Resp: 621901

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	6.9	6.0	9.0
68	5.0	5.5	8.3#

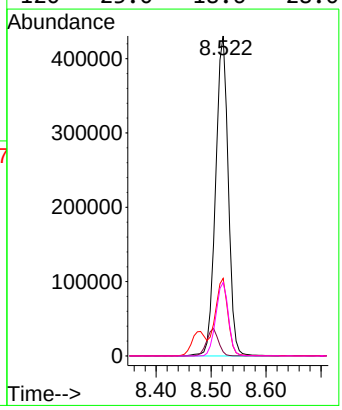


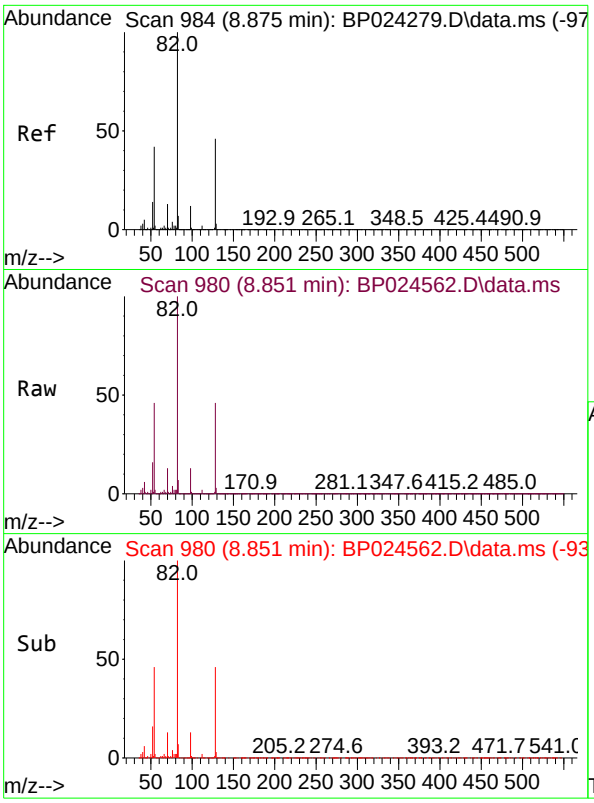


#22
Acetophenone
Concen: 44.751 ng
RT: 8.522 min Scan# 924
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:105 Resp: 688833

Ion	Ratio	Lower	Upper
105	100		
71	1.3	1.7	2.5#
51	24.2	16.9	25.3
120	23.0	18.6	28.0



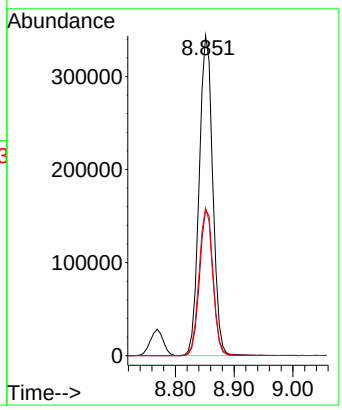


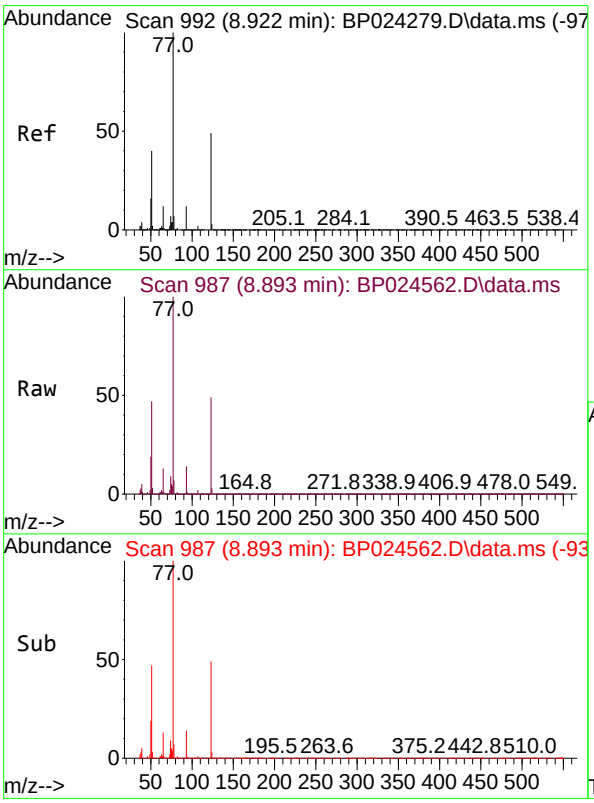
#23
Nitrobenzene-d5
Concen: 50.382 ng
RT: 8.851 min Scan# 9
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion: 82 Resp: 549495

Ion	Ratio	Lower	Upper
82	100		
128	45.7	36.5	54.7
54	46.2	33.4	50.2

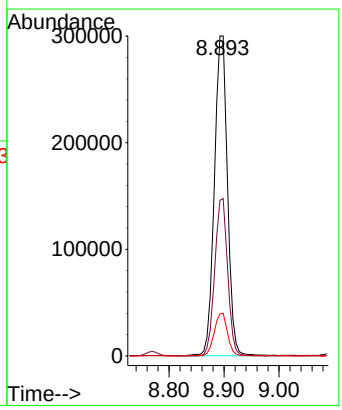


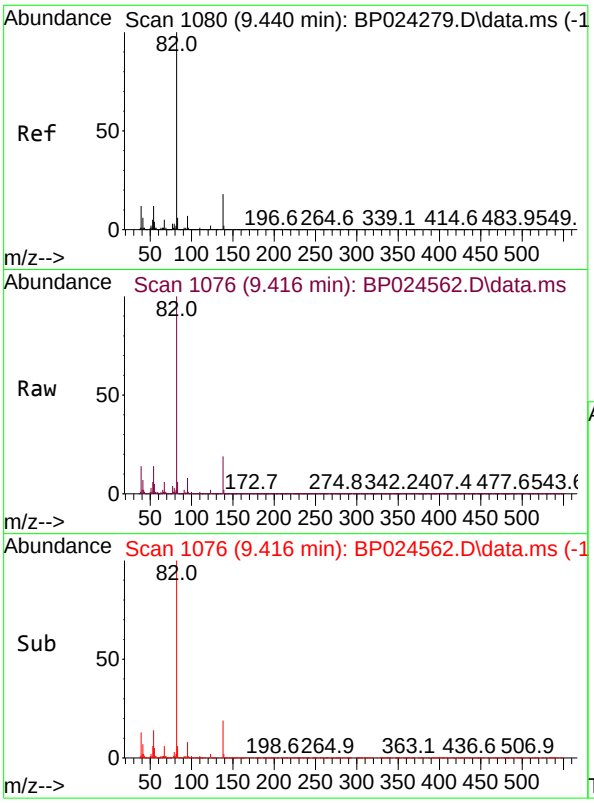


#24
Nitrobenzene
Concen: 46.134 ng
RT: 8.893 min Scan# 987
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion: 77 Resp: 497758

Ion	Ratio	Lower	Upper
77	100		
123	48.6	39.2	58.8
65	13.2	9.8	14.6



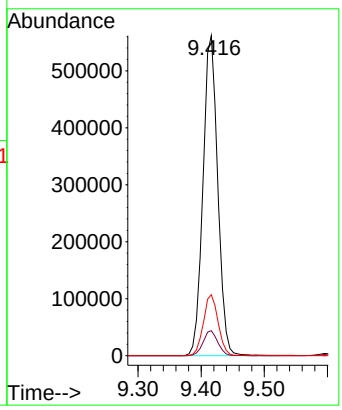


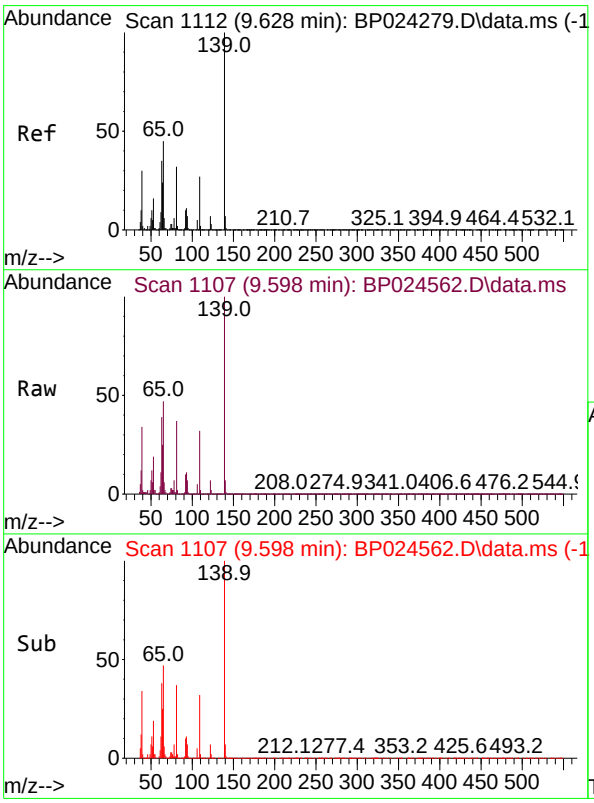
#25
Isophorone
Concen: 46.191 ng
RT: 9.416 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion: 82 Resp: 911870

Ion	Ratio	Lower	Upper
82	100		
95	7.8	5.4	8.2
138	19.0	14.4	21.6

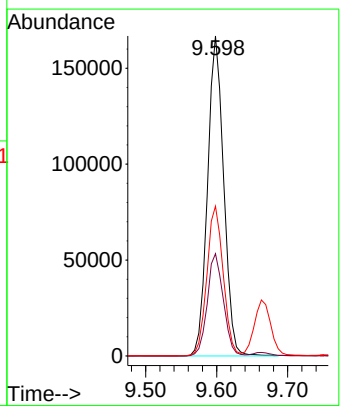


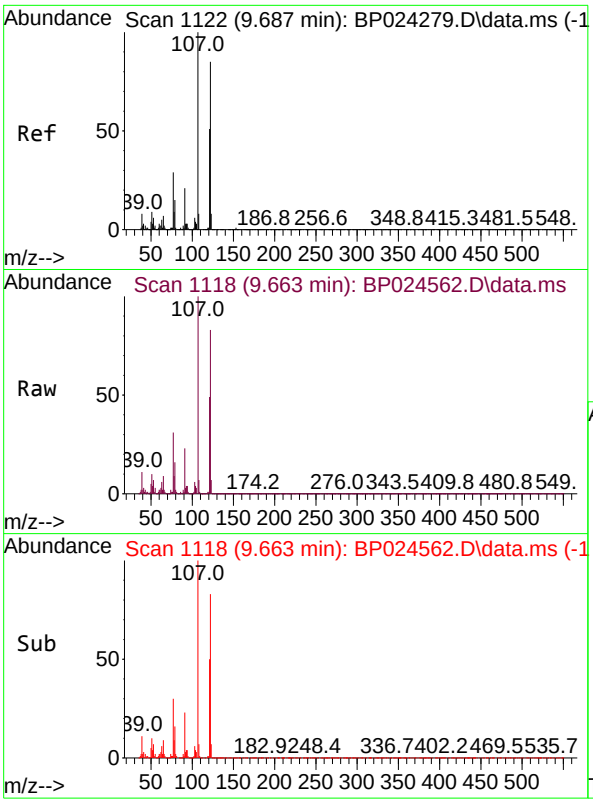


#26
2-Nitrophenol
Concen: 49.923 ng
RT: 9.598 min Scan# 1107
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:139 Resp: 263592

Ion	Ratio	Lower	Upper
139	100		
109	32.0	21.8	32.6
65	46.8	36.2	54.2



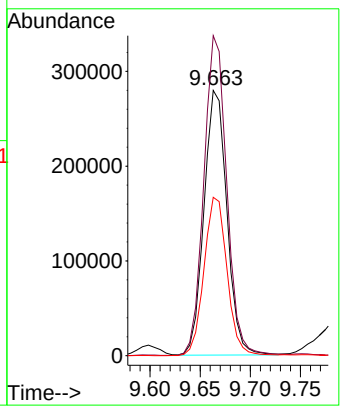


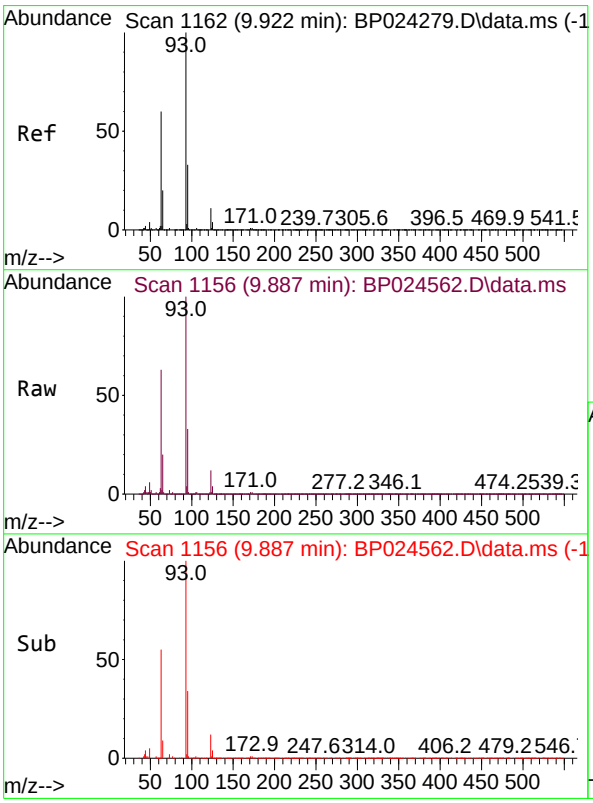
#27
2,4-Dimethylphenol
Concen: 67.257 ng
RT: 9.663 min Scan# 11
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:122 Resp: 445892

Ion	Ratio	Lower	Upper
122	100		
107	120.6	93.7	140.5
121	59.7	48.2	72.2

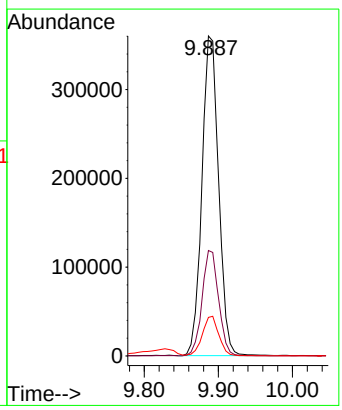


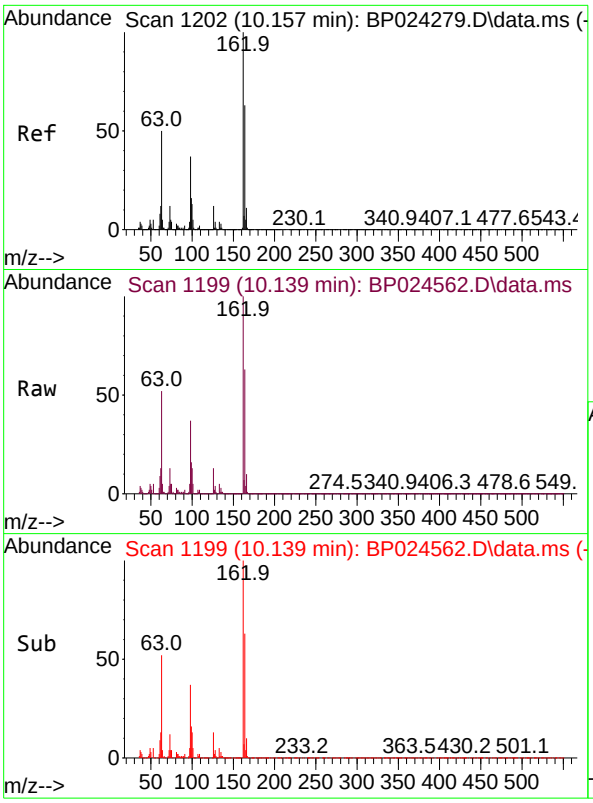


#28
bis(2-Chloroethoxy)methane
Concen: 42.296 ng
RT: 9.887 min Scan# 1156
Delta R.T. -0.024 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion: 93 Resp: 564064

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.0	39.0
123	12.1	9.1	13.7



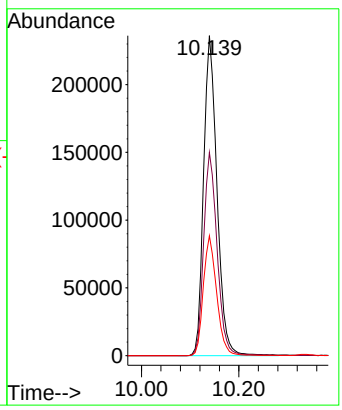


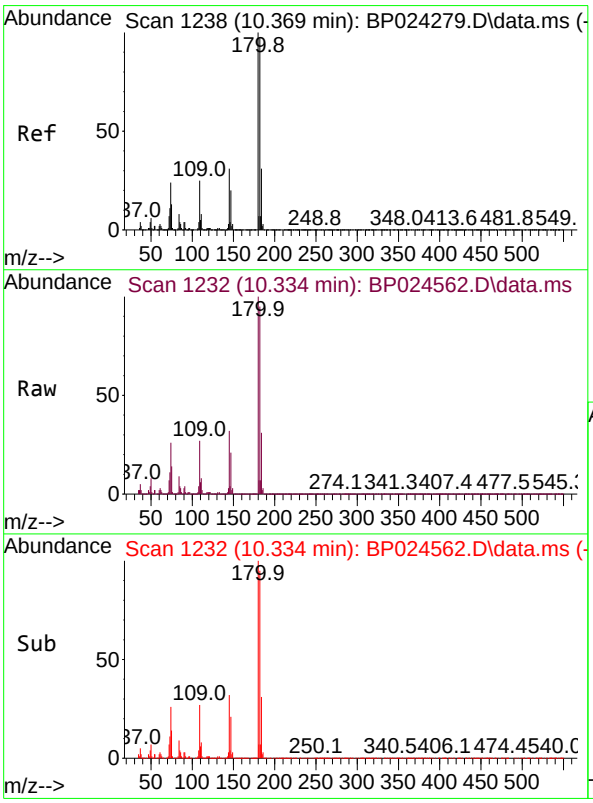
#29
2,4-Dichlorophenol
Concen: 49.730 ng
RT: 10.139 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:162 Resp: 449535

Ion	Ratio	Lower	Upper
162	100		
164	63.5	43.3	83.3
98	37.4	16.6	56.6

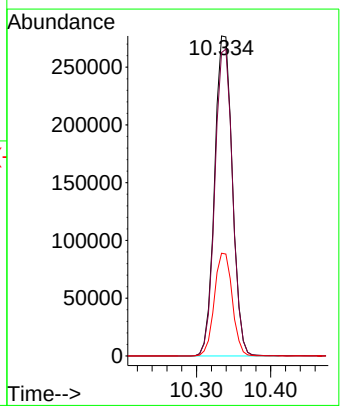


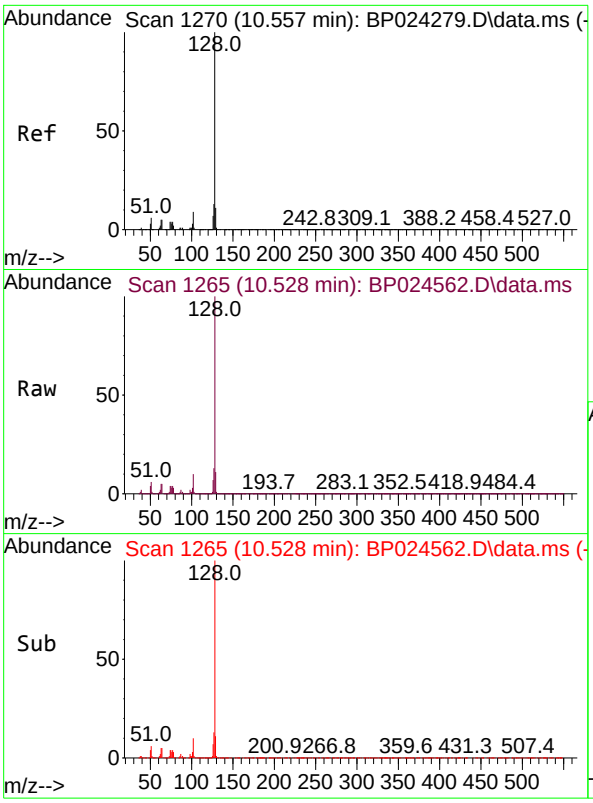


#30
1,2,4-Trichlorobenzene
Concen: 47.511 ng
RT: 10.334 min Scan# 1232
Delta R.T. -0.030 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:180 Resp: 460154

Ion	Ratio	Lower	Upper
180	100		
182	94.8	77.3	115.9
145	32.1	25.1	37.7



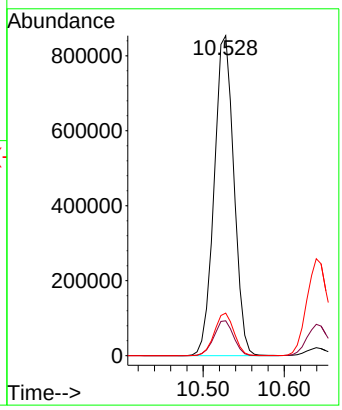


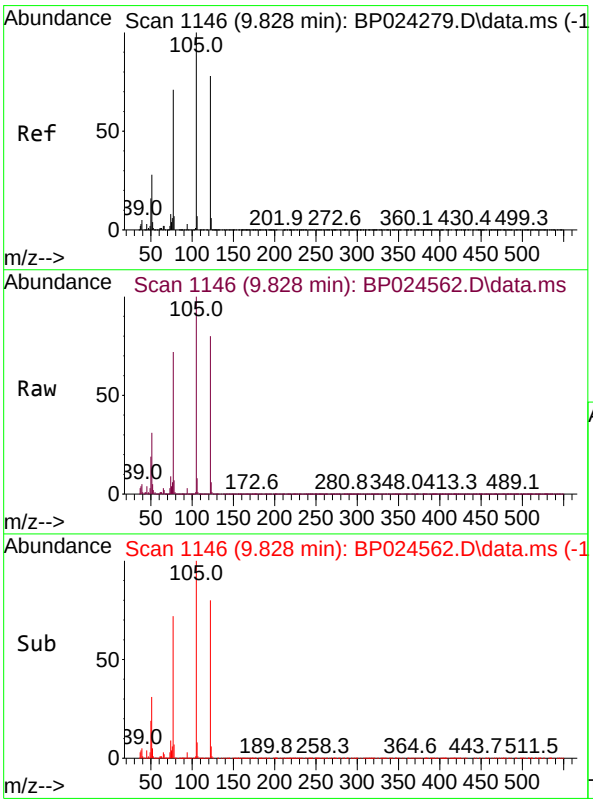
#31
Naphthalene
Concen: 43.905 ng
RT: 10.528 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:128 Resp: 1438310

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	13.3	10.3	15.5

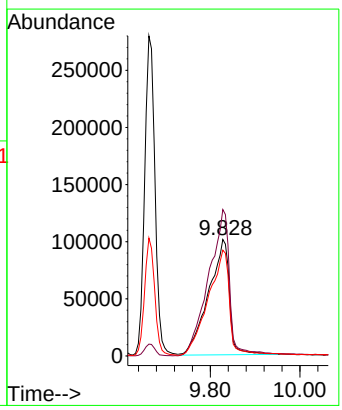


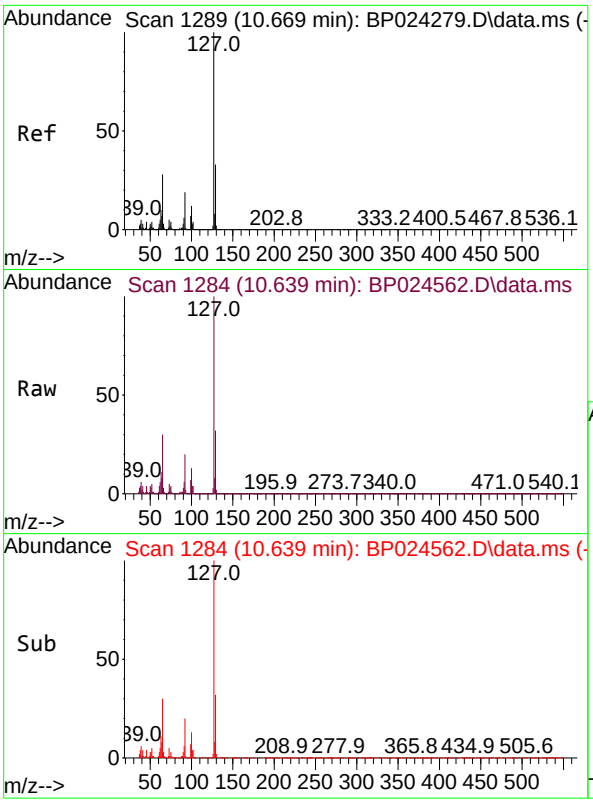


#32
Benzoic acid
Concen: 42.383 ng
RT: 9.828 min Scan# 1146
Delta R.T. 0.006 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:122 Resp: 327410

Ion	Ratio	Lower	Upper
122	100		
105	125.8	104.8	144.8
77	90.9	69.2	109.2



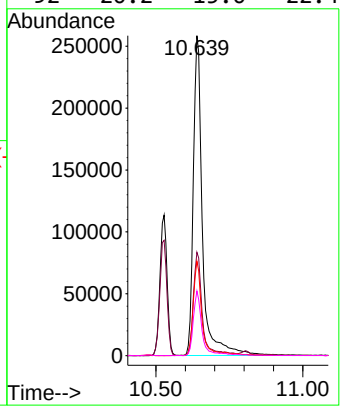


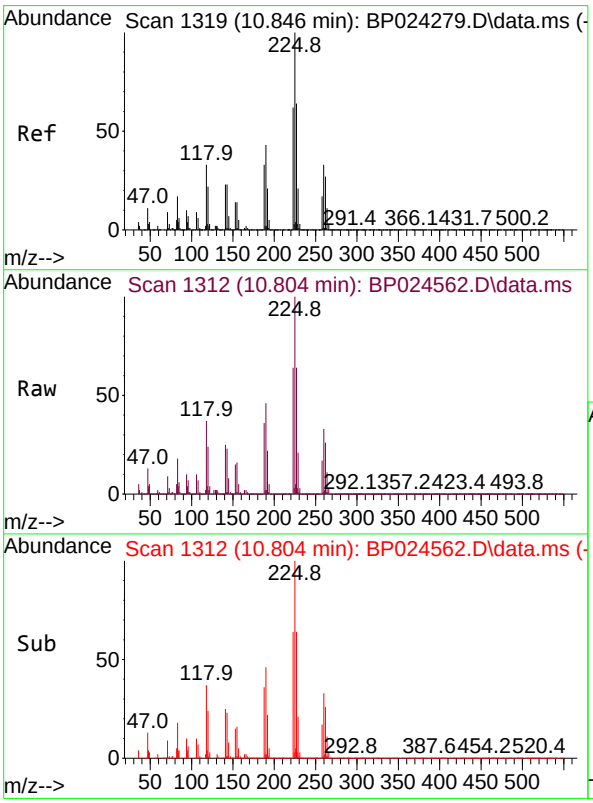
#33
4-Chloroaniline
Concen: 48.639 ng
RT: 10.639 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:127 Resp: 561129

Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.1	39.1
65	29.5	22.1	33.1
92	20.2	15.0	22.4

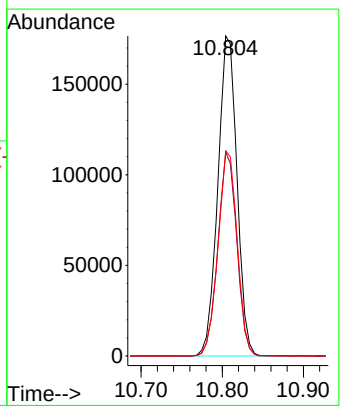


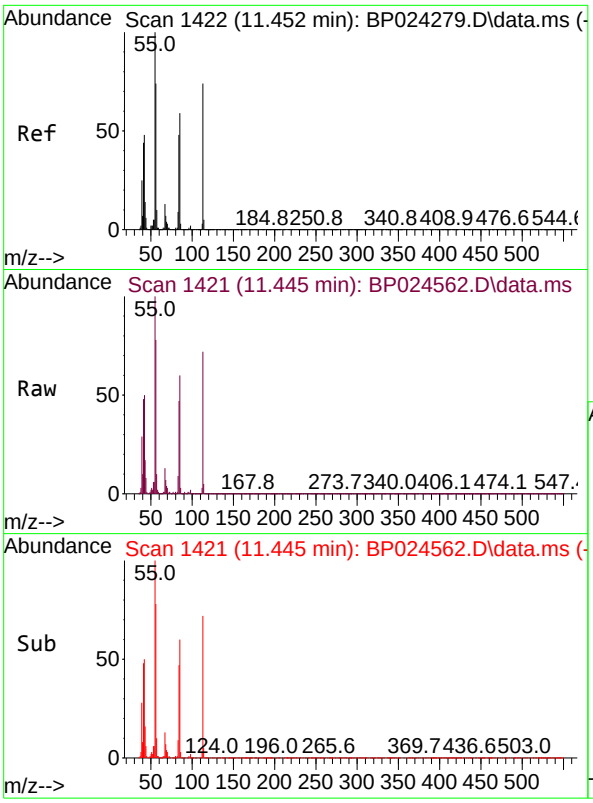


#34
Hexachlorobutadiene
Concen: 50.883 ng
RT: 10.804 min Scan# 1312
Delta R.T. -0.024 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:225 Resp: 289590

Ion	Ratio	Lower	Upper
225	100		
223	63.6	49.5	74.3
227	64.1	50.9	76.3



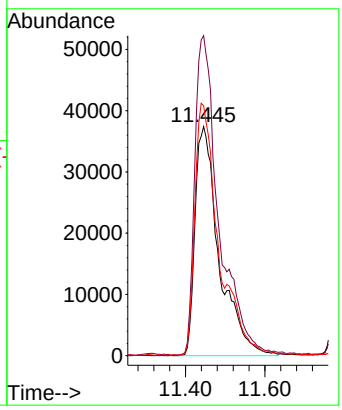


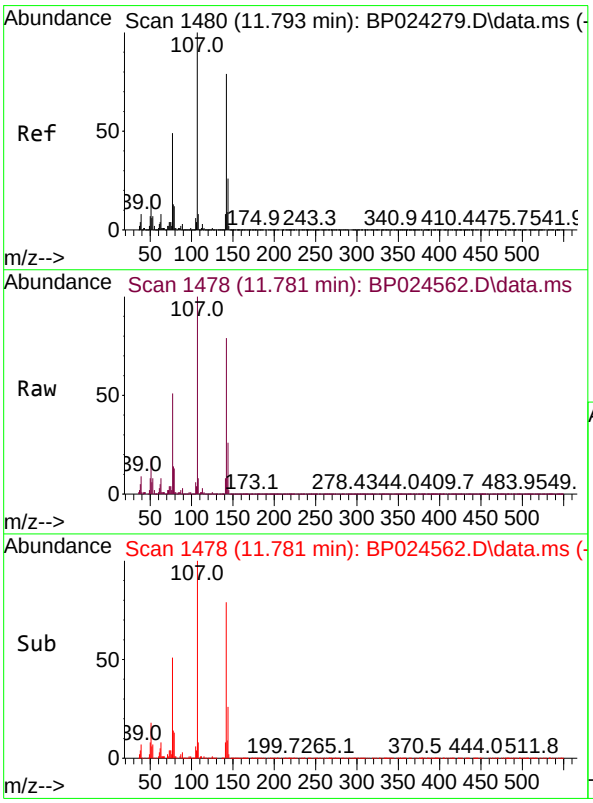
#35
Caprolactam
Concen: 47.234 ng
RT: 11.445 min Scan# 14
Delta R.T. -0.000 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:113 Resp: 157545

Ion	Ratio	Lower	Upper
113	100		
55	139.6	115.9	155.9
56	109.0	81.1	121.1

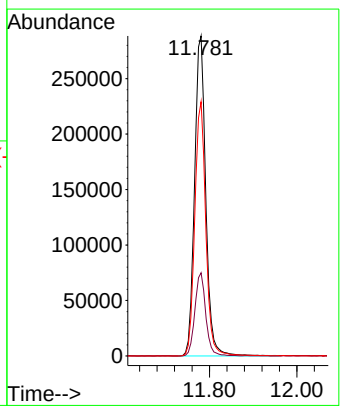


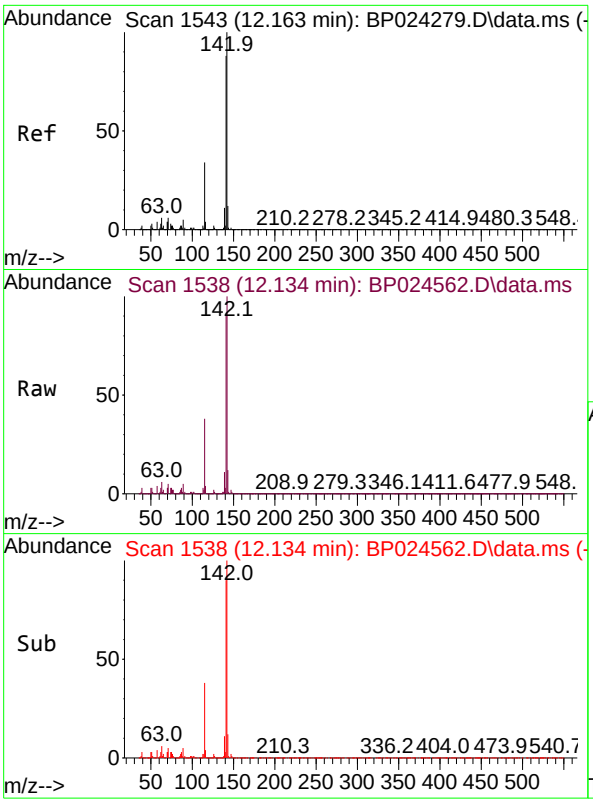


#36
4-Chloro-3-methylphenol
Concen: 48.776 ng
RT: 11.781 min Scan# 1478
Delta R.T. -0.012 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:107 Resp: 513563

Ion	Ratio	Lower	Upper
107	100		
144	26.0	20.5	30.7
142	79.5	63.4	95.2



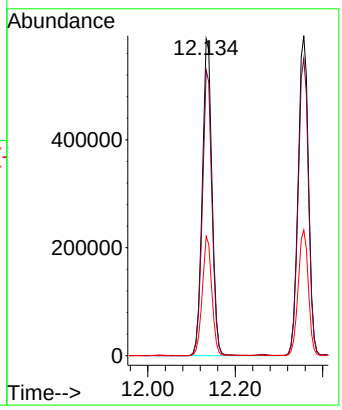


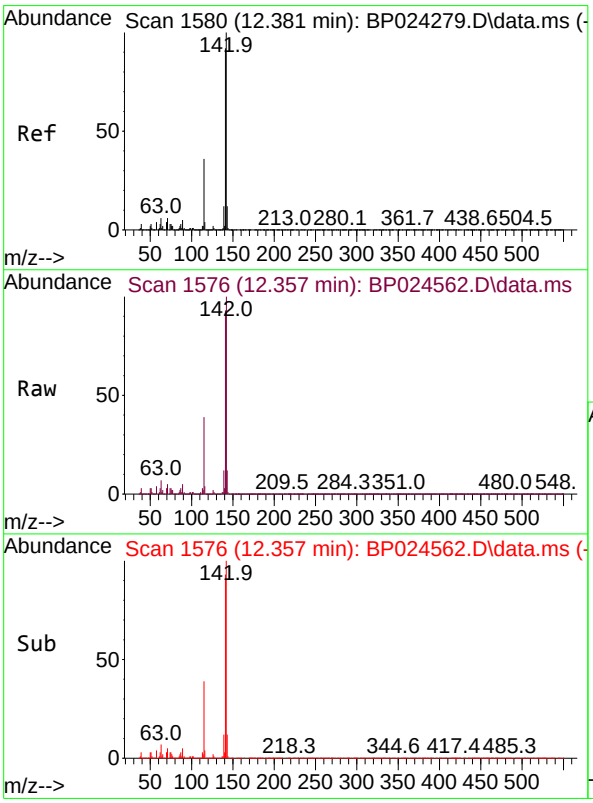
#37
2-Methylnaphthalene
Concen: 39.857 ng
RT: 12.134 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:142 Resp: 905522

Ion	Ratio	Lower	Upper
142	100		
141	90.1	70.3	105.5
115	37.6	26.9	40.3

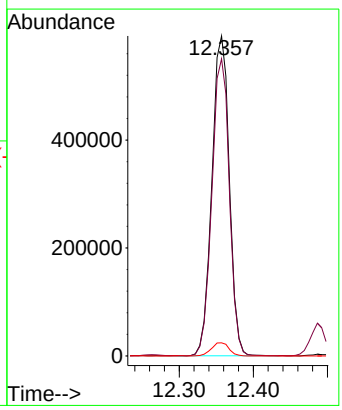


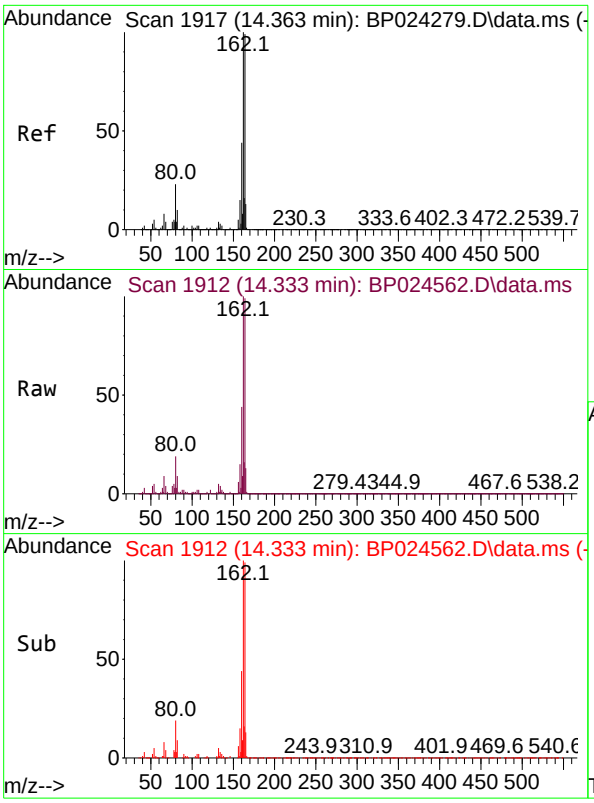


#38
1-Methylnaphthalene
Concen: 43.468 ng
RT: 12.357 min Scan# 1576
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:142 Resp: 966108

Ion	Ratio	Lower	Upper
142	100		
141	92.9	73.6	110.4
116	4.1	3.0	4.6



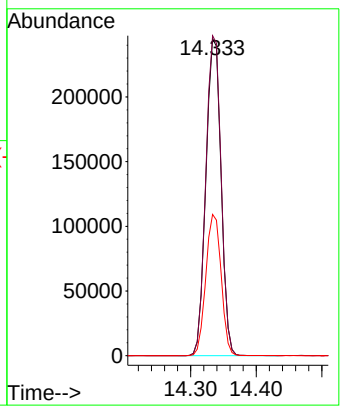


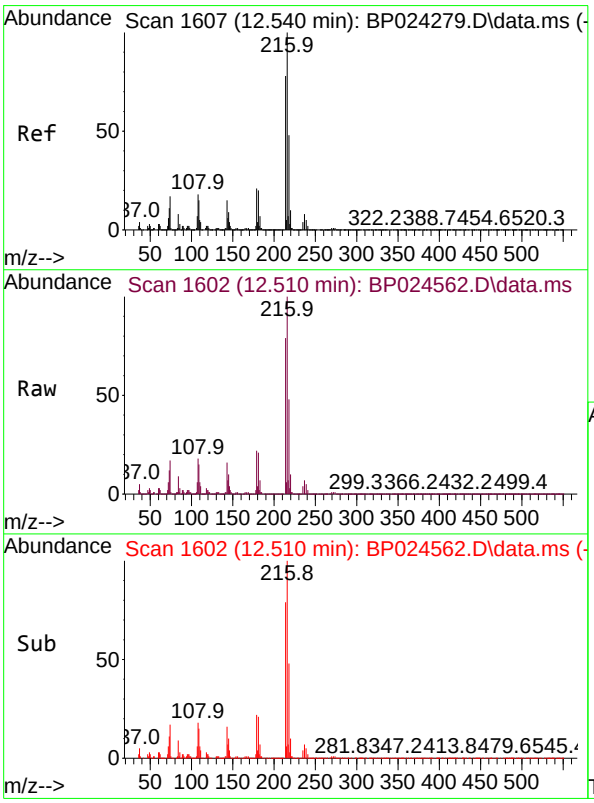
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.333 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:164 Resp: 393833

Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.6	120.8
160	44.5	35.3	52.9

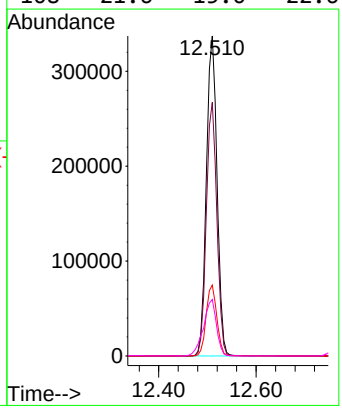


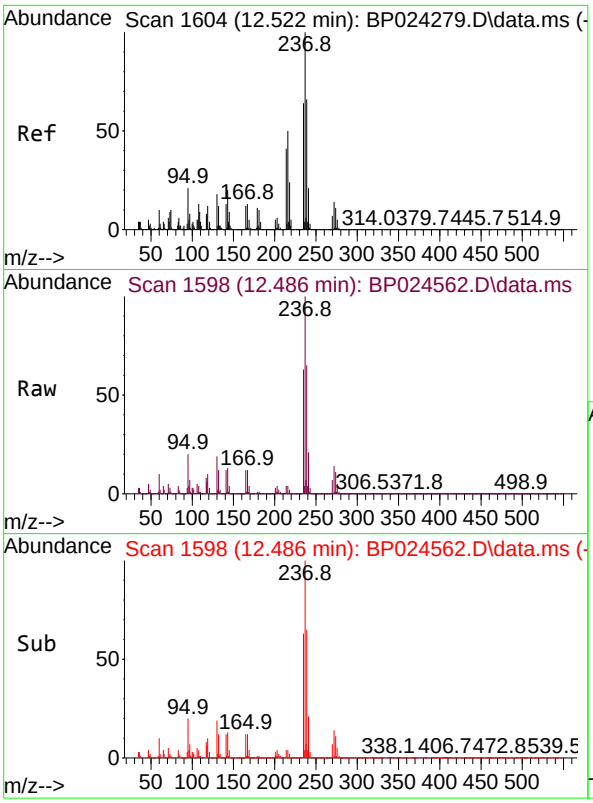


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.038 ng
RT: 12.510 min Scan# 1602
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:216 Resp: 509449

Ion	Ratio	Lower	Upper
216	100		
214	78.4	62.6	93.8
179	22.2	17.2	25.8
108	21.6	15.0	22.6



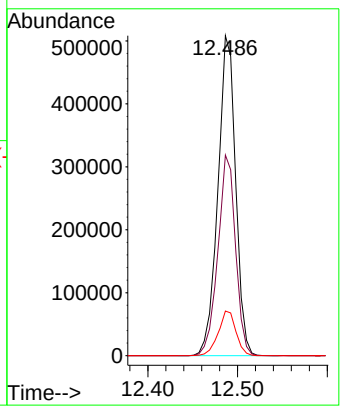


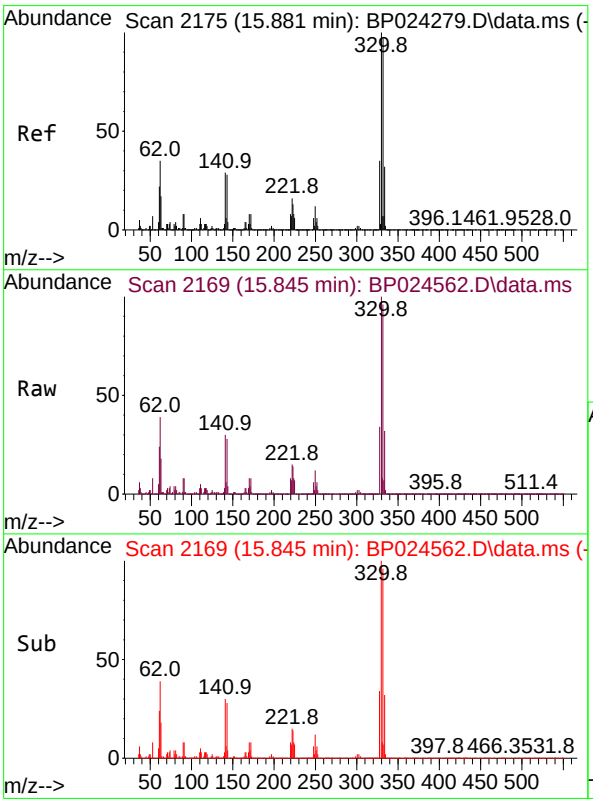
#41
Hexachlorocyclopentadiene
Concen: 181.929 ng
RT: 12.486 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:237 Resp: 696869

Ion	Ratio	Lower	Upper
237	100		
235	62.7	43.9	83.9
272	13.9	0.0	33.6

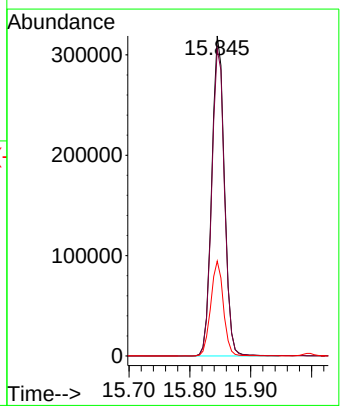


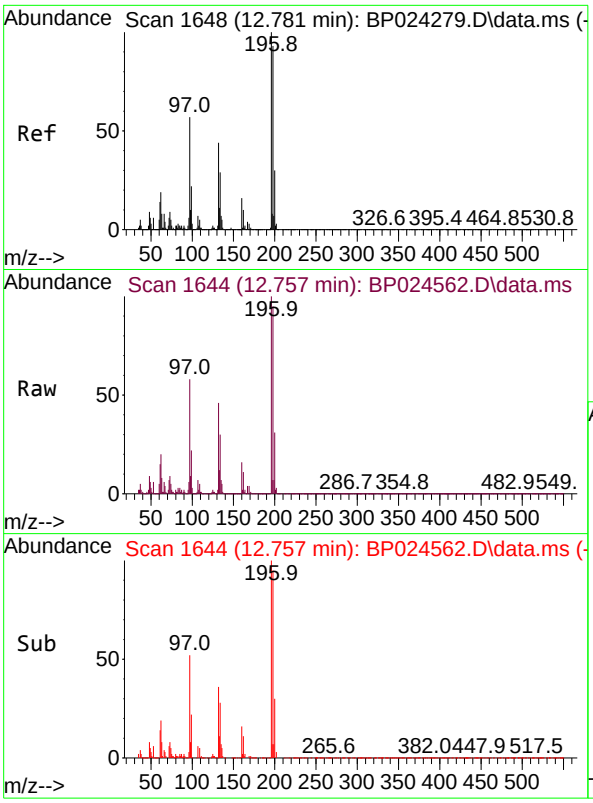


#42
2,4,6-Tribromophenol
Concen: 84.455 ng
RT: 15.845 min Scan# 2169
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:330 Resp: 460187

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.1	115.7
141	29.7	24.7	37.1



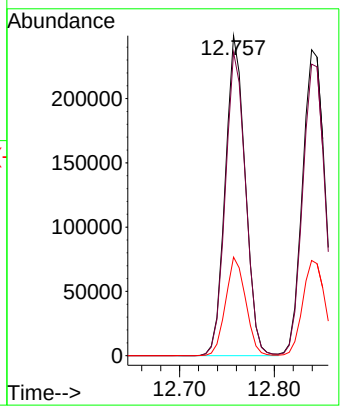


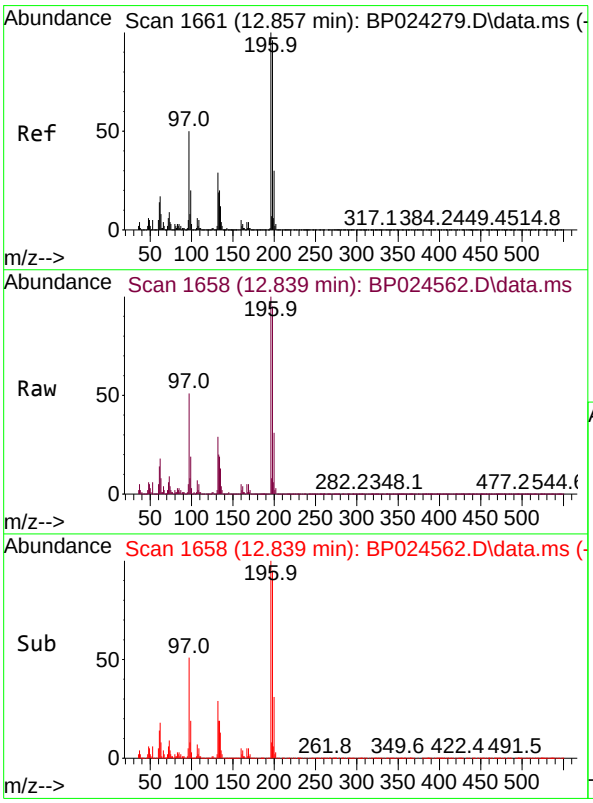
#43
2,4,6-Trichlorophenol
Concen: 50.748 ng
RT: 12.757 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:196 Resp: 365420

Ion	Ratio	Lower	Upper
196	100		
198	94.9	74.3	111.5
200	30.8	24.0	36.0

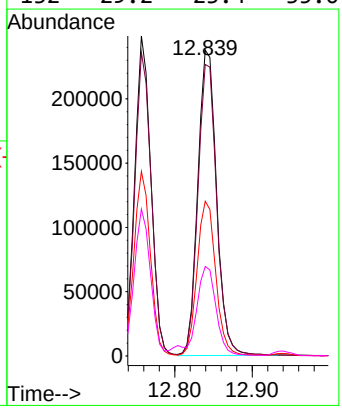


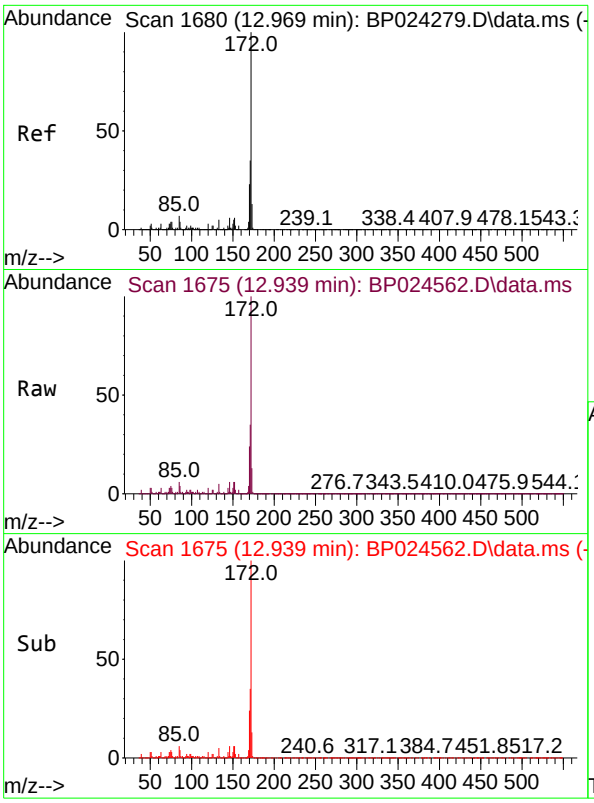


#44
2,4,5-Trichlorophenol
Concen: 50.319 ng
RT: 12.839 min Scan# 1658
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:196 Resp: 401238

Ion	Ratio	Lower	Upper
196	100		
198	95.3	77.3	115.9
97	50.6	40.4	60.6
132	29.2	23.4	35.0



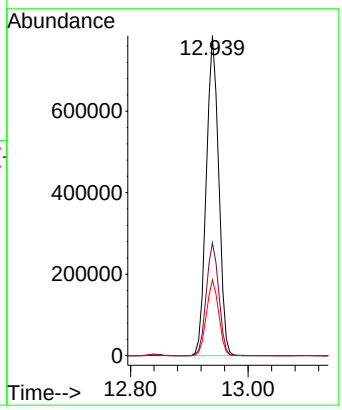


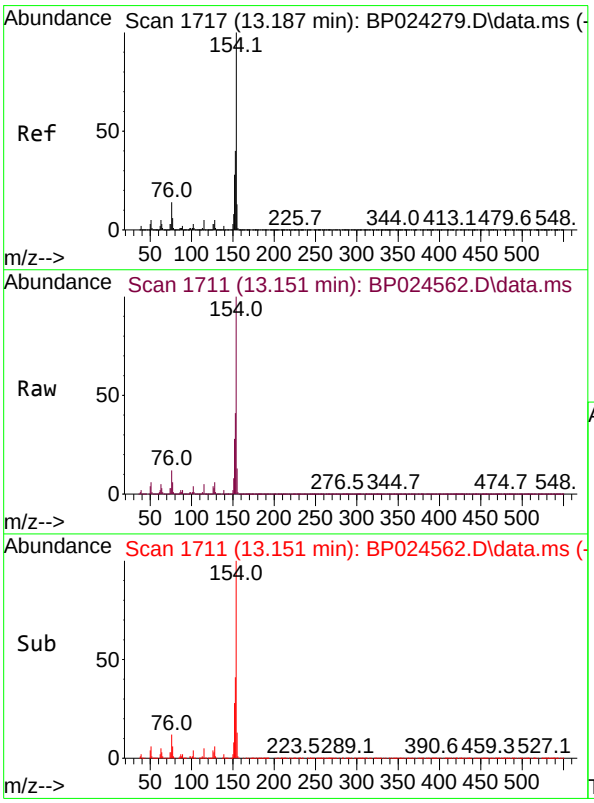
#45
2-Fluorobiphenyl
Concen: 44.861 ng
RT: 12.939 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:172 Resp: 1153910

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.2	42.2
170	23.7	18.6	27.8

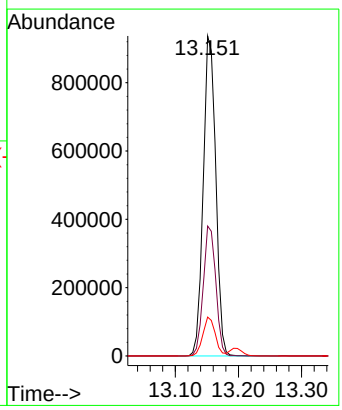


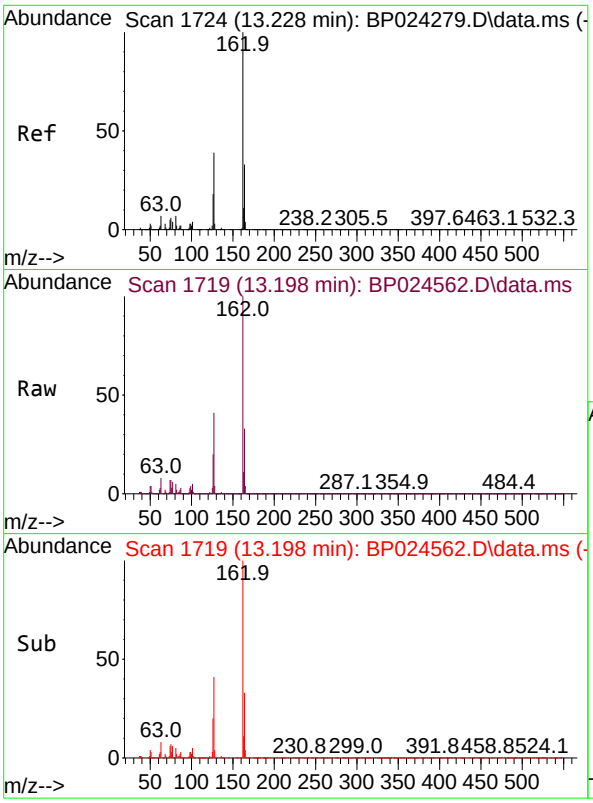


#46
1,1'-Biphenyl
Concen: 44.654 ng
RT: 13.151 min Scan# 1711
Delta R.T. -0.024 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:154 Resp: 1292677

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.3	60.3
76	12.1	0.0	33.5



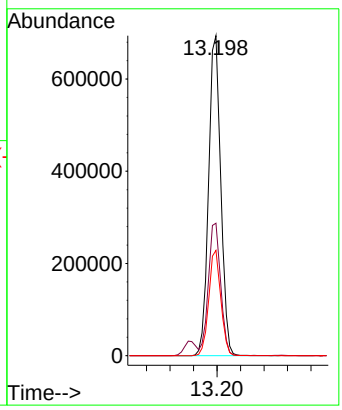


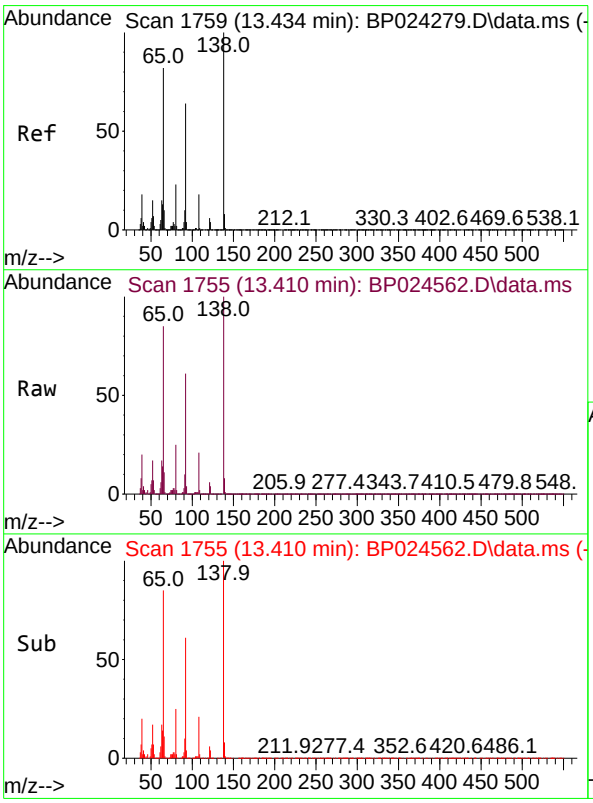
#47
2-Chloronaphthalene
Concen: 46.044 ng
RT: 13.198 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:162 Resp: 996212

Ion	Ratio	Lower	Upper
162	100		
127	41.4	31.9	47.9
164	32.9	26.2	39.4

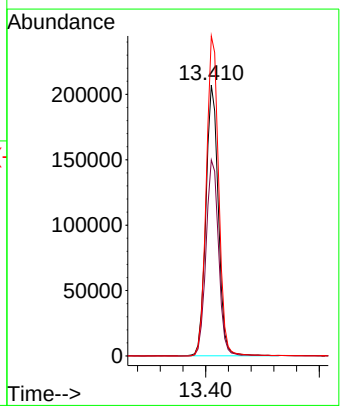


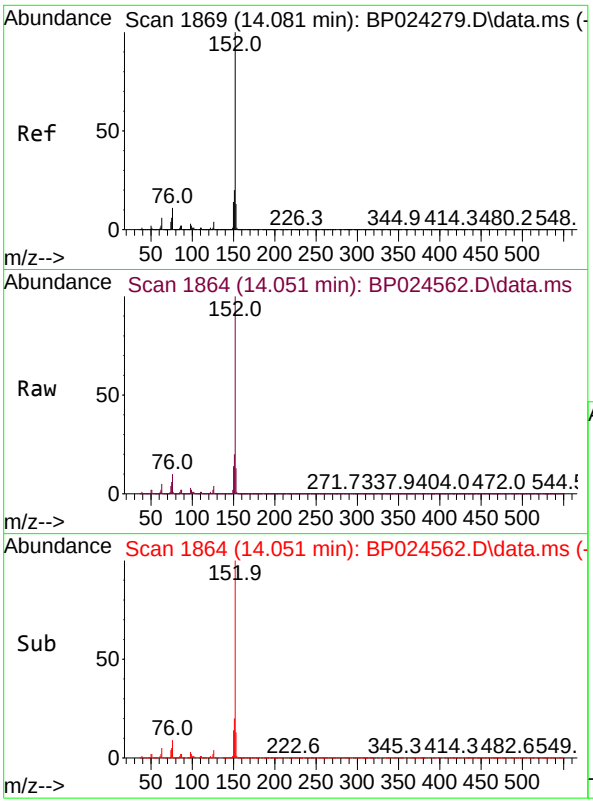


#48
2-Nitroaniline
Concen: 51.624 ng
RT: 13.410 min Scan# 1755
Delta R.T. -0.012 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion: 65 Resp: 313307

Ion	Ratio	Lower	Upper
65	100		
92	72.3	62.3	93.5
138	118.1	97.2	145.8



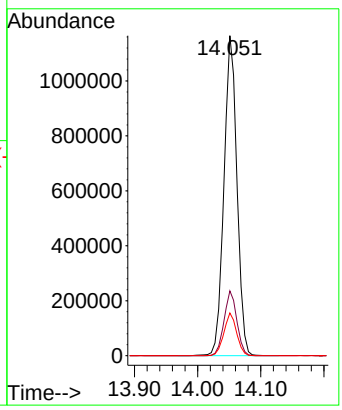


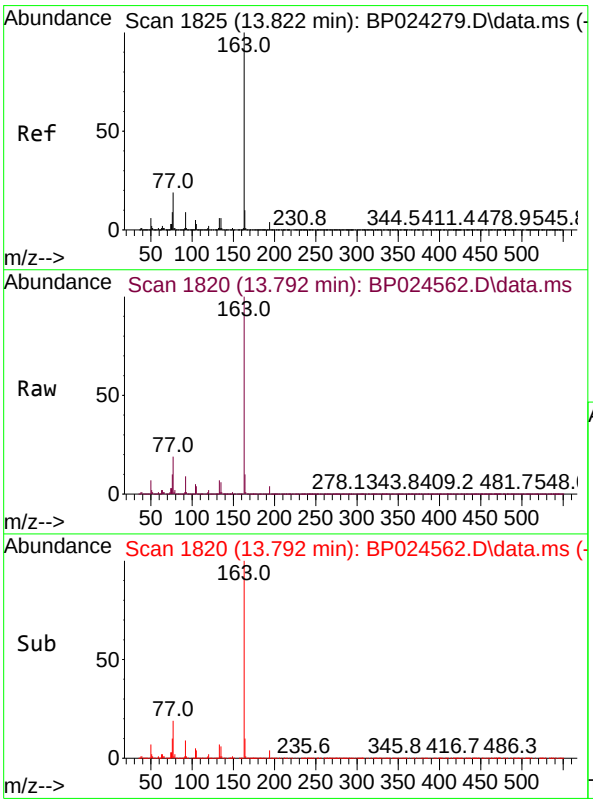
#49
Acenaphthylene
Concen: 48.758 ng
RT: 14.051 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:152 Resp: 1660892

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.9	23.9
153	13.3	10.6	15.8

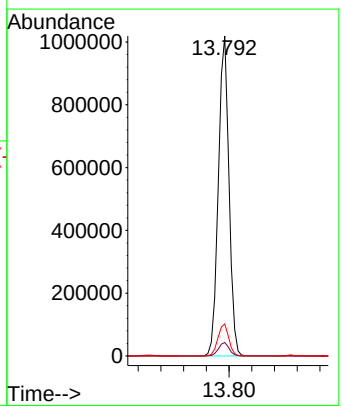


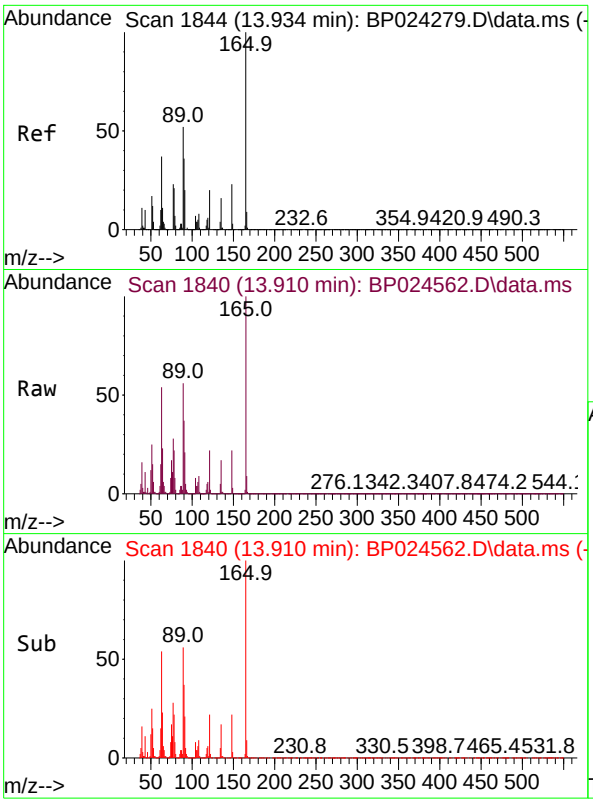


#50
Dimethylphthalate
Concen: 46.100 ng
RT: 13.792 min Scan# 1820
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:163 Resp: 1320326

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.5	5.3
164	10.0	8.0	12.0



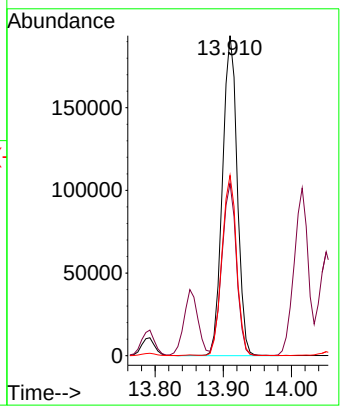


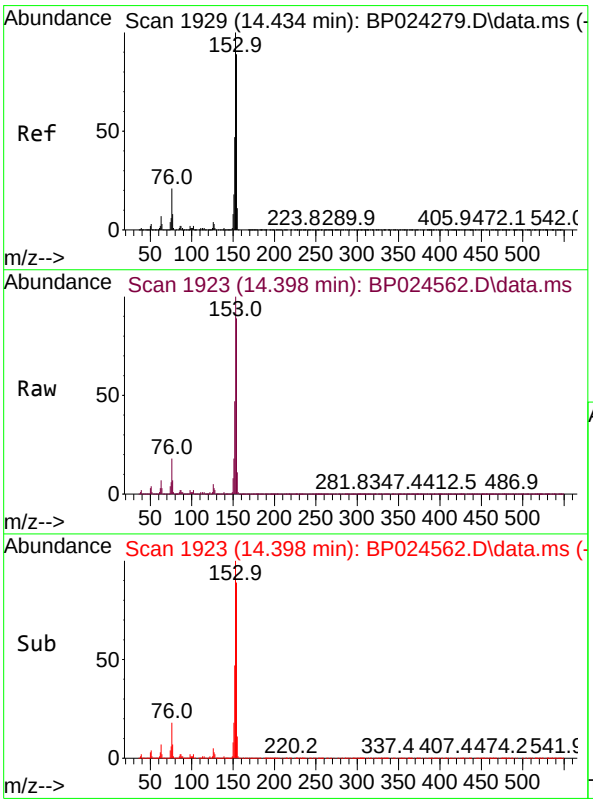
#51
2,6-Dinitrotoluene
Concen: 47.862 ng
RT: 13.910 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:165 Resp: 291084

Ion	Ratio	Lower	Upper
165	100		
63	53.9	38.0	57.0
89	56.4	41.7	62.5

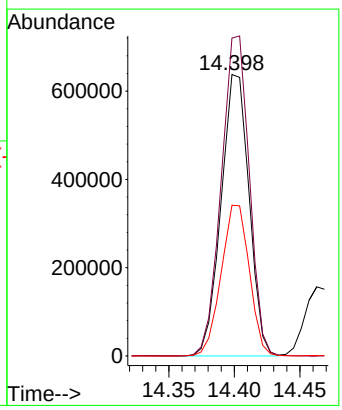


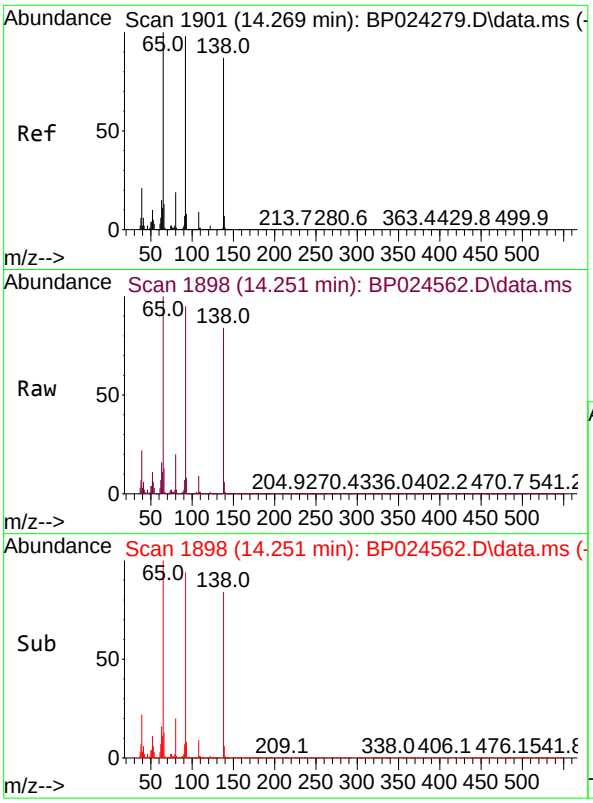


#52
Acenaphthene
Concen: 43.803 ng
RT: 14.398 min Scan# 1923
Delta R.T. -0.024 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:154 Resp: 945952

Ion	Ratio	Lower	Upper
154	100		
153	113.0	89.8	134.6
152	53.5	42.6	63.8



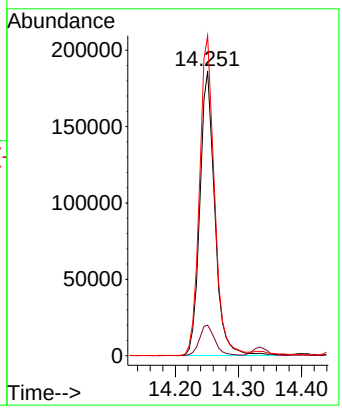


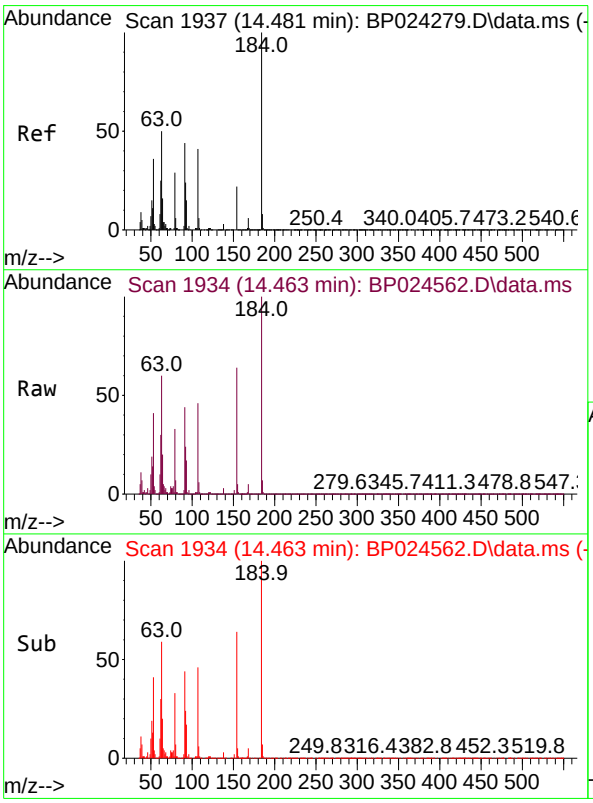
#53
3-Nitroaniline
Concen: 48.003 ng
RT: 14.251 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:138 Resp: 306831

Ion	Ratio	Lower	Upper
138	100		
108	10.7	8.3	12.5
92	112.5	89.8	134.8

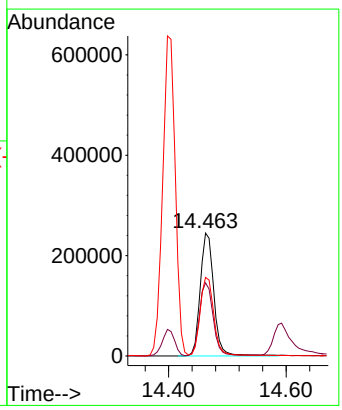


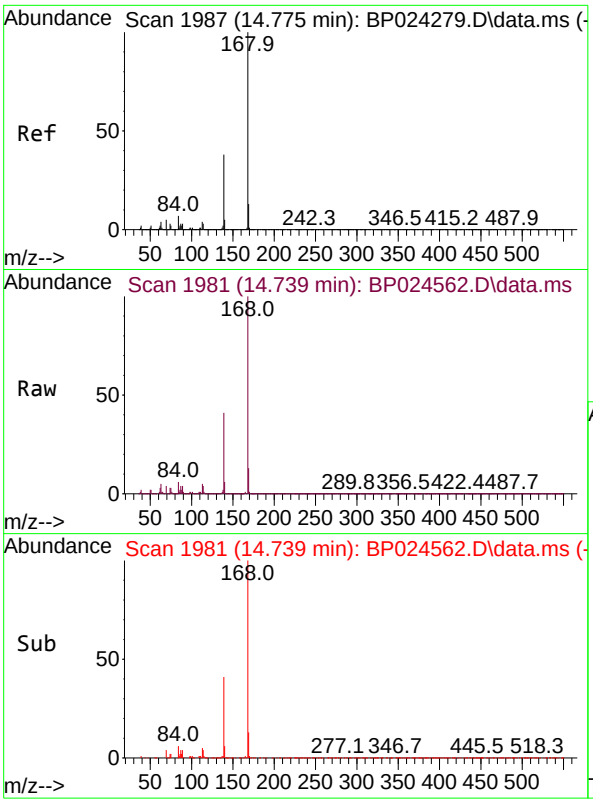


#54
2,4-Dinitrophenol
Concen: 110.325 ng
RT: 14.463 min Scan# 1934
Delta R.T. -0.006 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:184 Resp: 395229

Ion	Ratio	Lower	Upper
184	100		
63	59.5	42.6	64.0
154	63.9	47.2	70.8



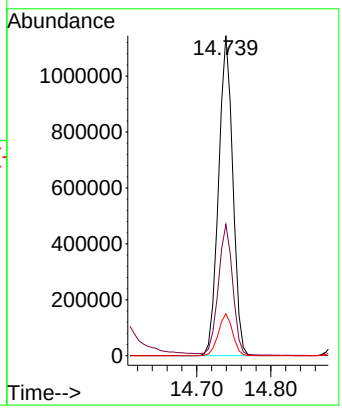


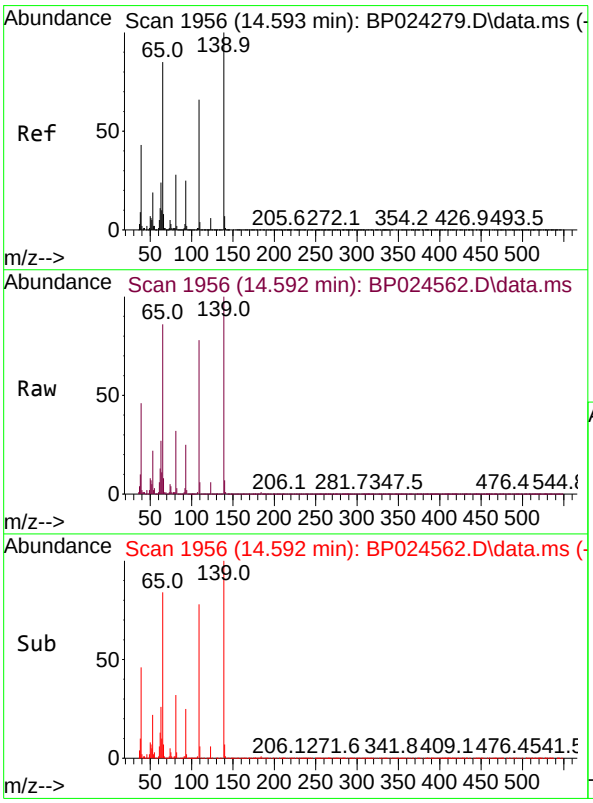
#55
Dibenzofuran
Concen: 43.267 ng
RT: 14.739 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:168 Resp: 1527310

Ion	Ratio	Lower	Upper
168	100		
139	41.0	30.3	45.5
169	13.1	10.6	16.0

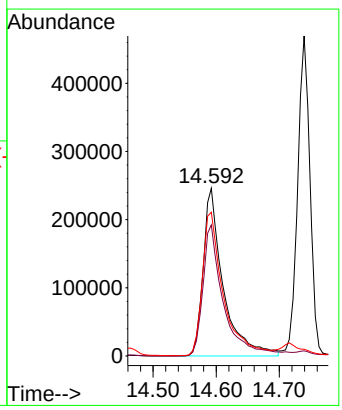


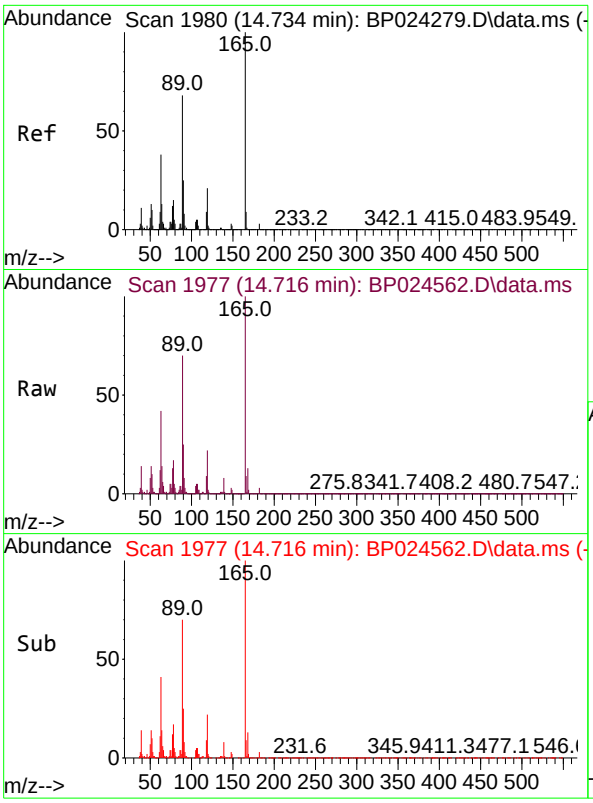


#56
4-Nitrophenol
Concen: 98.241 ng
RT: 14.592 min Scan# 1956
Delta R.T. -0.000 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:139 Resp: 542331

Ion	Ratio	Lower	Upper
139	100		
109	78.2	46.1	86.1
65	85.7	65.0	105.0



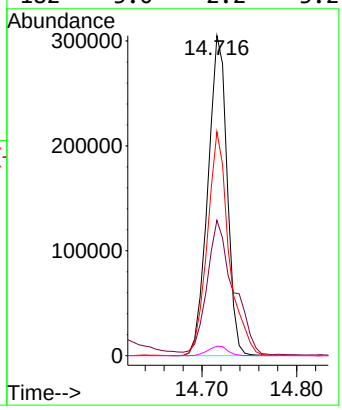


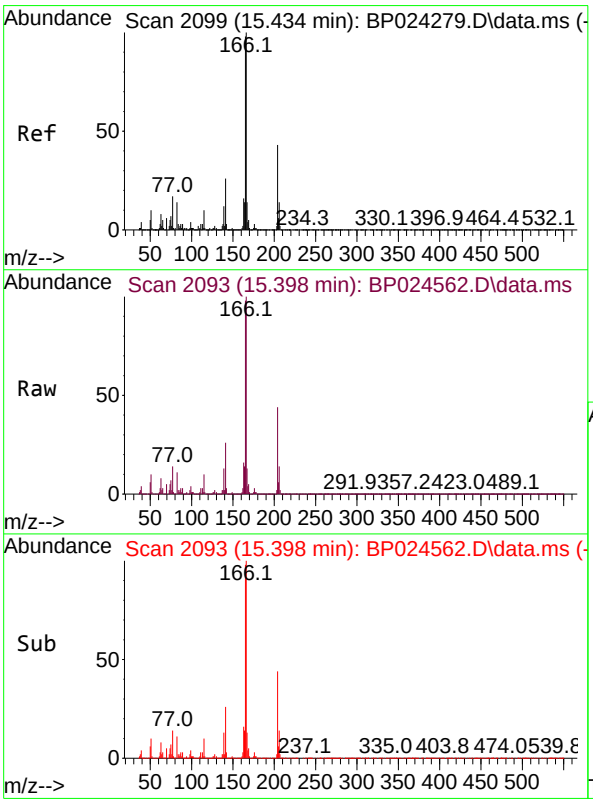
#57
2,4-Dinitrotoluene
Concen: 51.693 ng
RT: 14.716 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:165 Resp: 428851

Ion	Ratio	Lower	Upper
165	100		
63	42.3	30.4	45.6
89	70.0	54.6	82.0
182	3.0	2.2	3.2

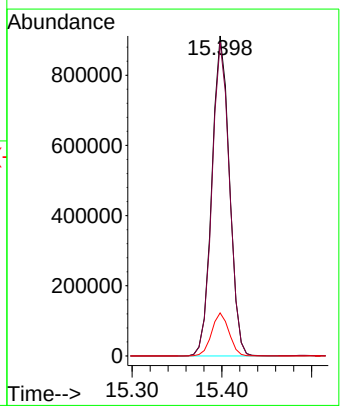


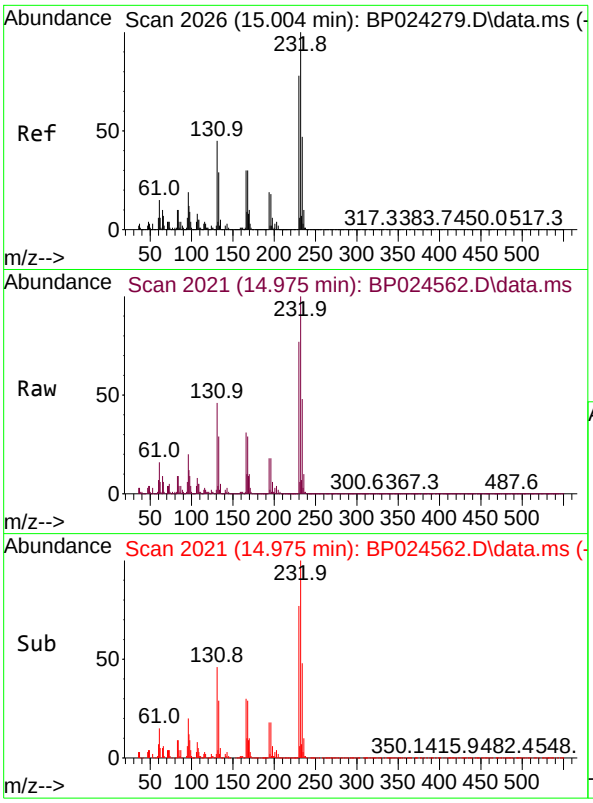


#58
Fluorene
Concen: 45.242 ng
RT: 15.398 min Scan# 2093
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:166 Resp: 1236303

Ion	Ratio	Lower	Upper
166	100		
165	98.0	78.1	117.1
167	13.5	10.9	16.3



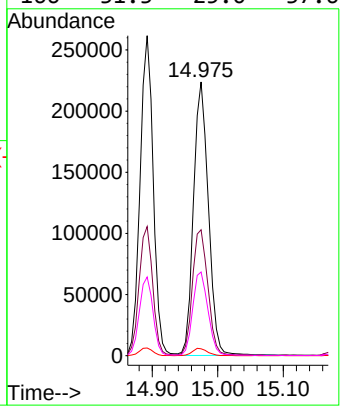


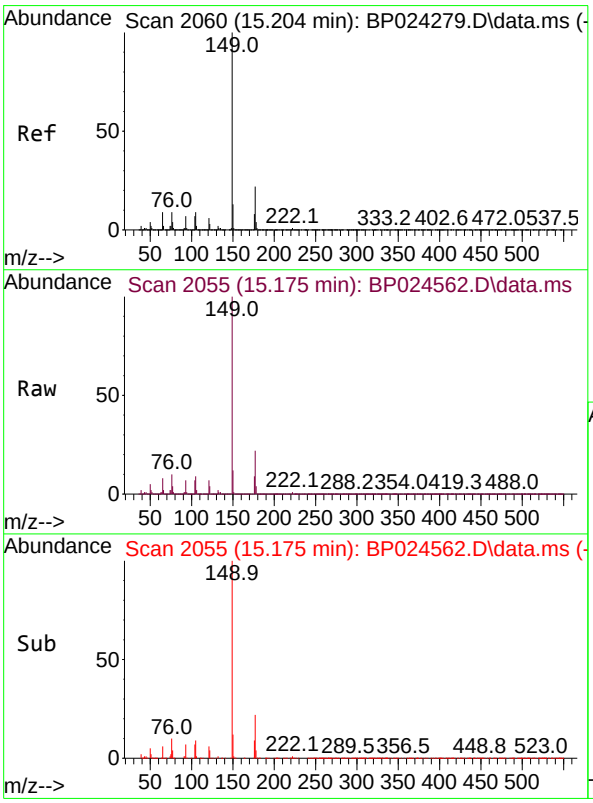
#59
2,3,4,6-Tetrachlorophenol
Concen: 48.064 ng
RT: 14.975 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:232 Resp: 353479

Ion	Ratio	Lower	Upper
232	100		
131	47.2	36.8	55.2
130	2.8	1.9	2.9
166	31.3	25.0	37.6

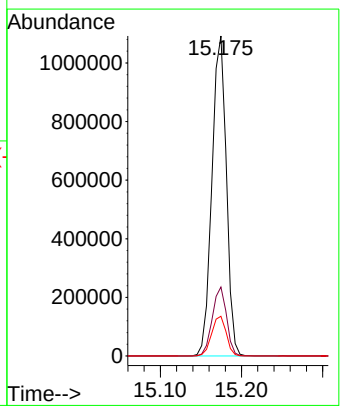


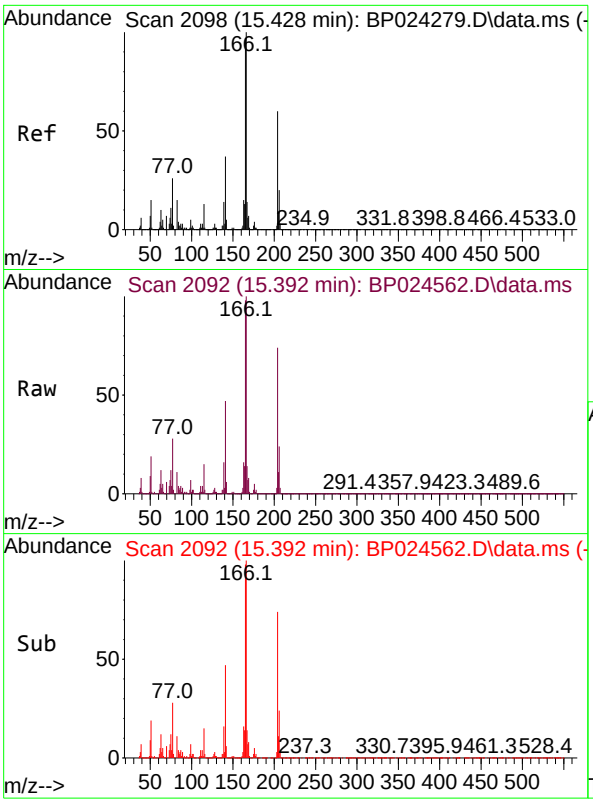


#60
Diethylphthalate
Concen: 45.623 ng
RT: 15.175 min Scan# 2055
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:149 Resp: 1346542

Ion	Ratio	Lower	Upper
149	100		
177	21.5	17.4	26.2
150	12.4	10.1	15.1



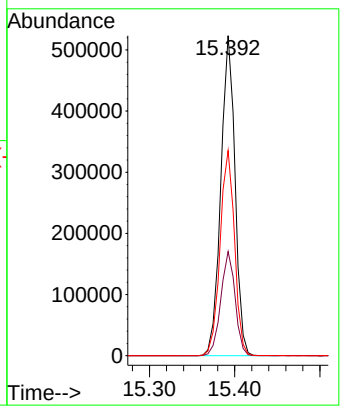


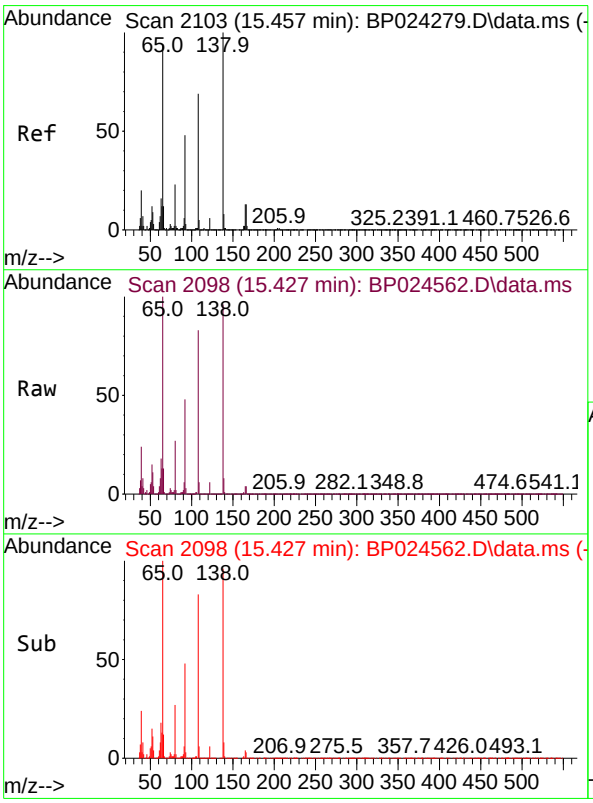
#61
4-Chlorophenyl-phenylether
Concen: 45.574 ng
RT: 15.392 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:204 Resp: 604756

Ion	Ratio	Lower	Upper
204	100		
206	32.5	26.5	39.7
141	64.1	49.4	74.0

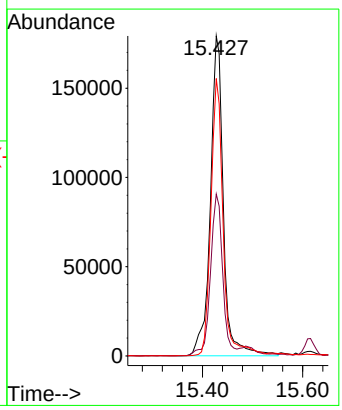


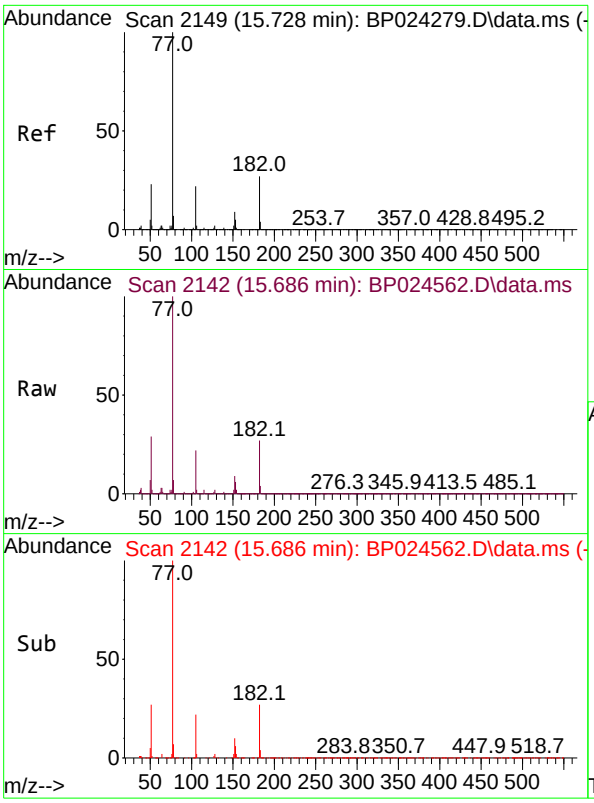


#62
4-Nitroaniline
Concen: 47.888 ng
RT: 15.427 min Scan# 2098
Delta R.T. -0.012 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:138 Resp: 324042

Ion	Ratio	Lower	Upper
138	100		
92	50.6	27.8	67.8
108	86.7	48.9	88.9



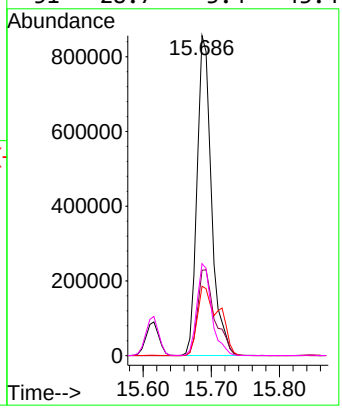


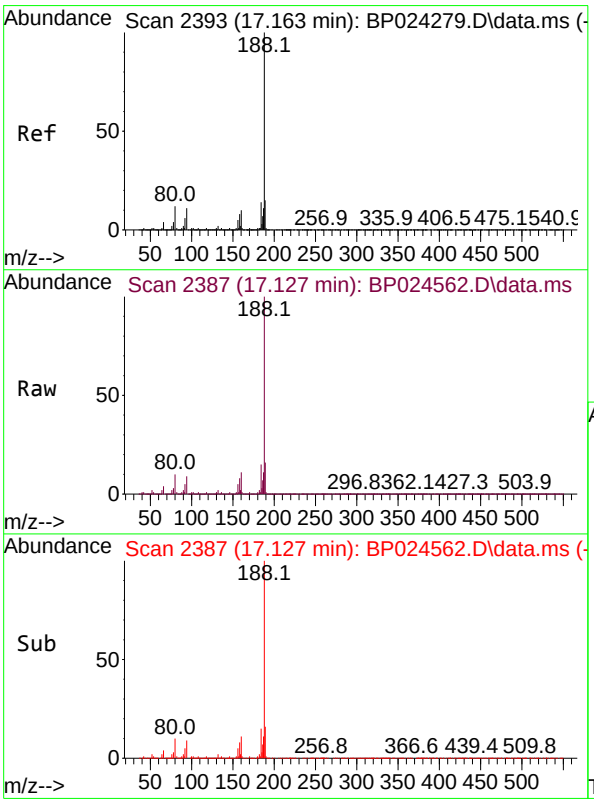
#63
Azobenzene
Concen: 46.347 ng
RT: 15.686 min Scan# 21
Delta R.T. -0.024 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion: 77 Resp: 1257263

Ion	Ratio	Lower	Upper
77	100		
182	26.7	7.3	47.3
105	21.7	2.3	42.3
51	28.7	3.4	43.4

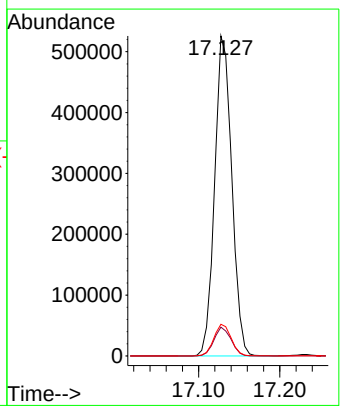


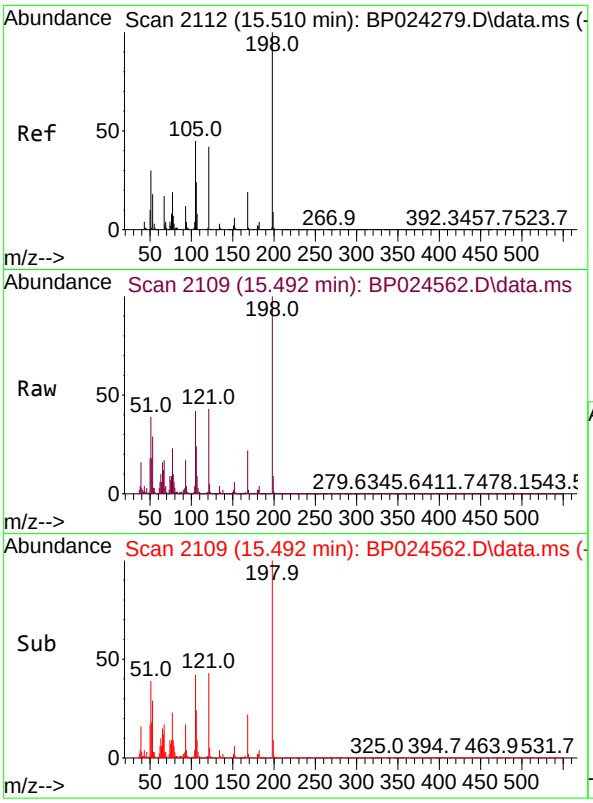


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.127 min Scan# 2387
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:188 Resp: 771993

Ion	Ratio	Lower	Upper
188	100		
94	9.0	8.6	13.0
80	9.9	9.8	14.6



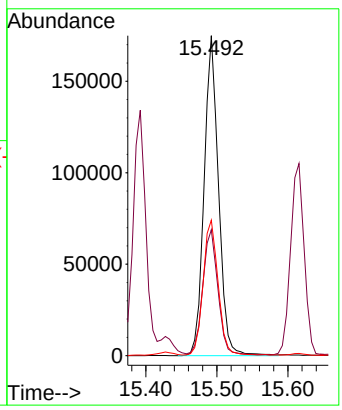


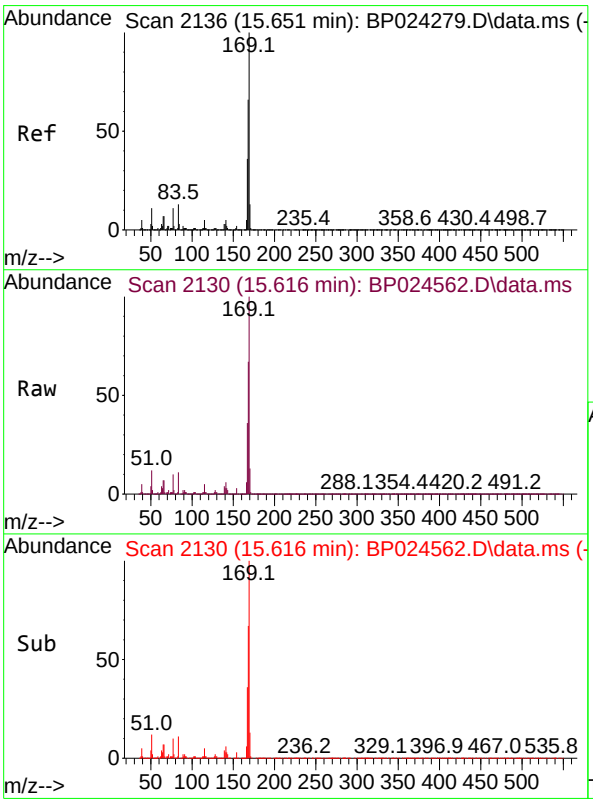
#65
4,6-Dinitro-2-methylphenol
Concen: 50.869 ng
RT: 15.492 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:198 Resp: 247587

Ion	Ratio	Lower	Upper
198	100		
51	39.4	18.4	58.4
105	42.4	26.5	66.5

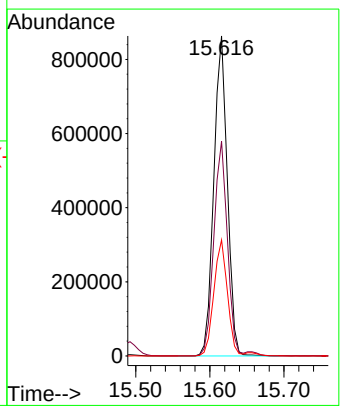


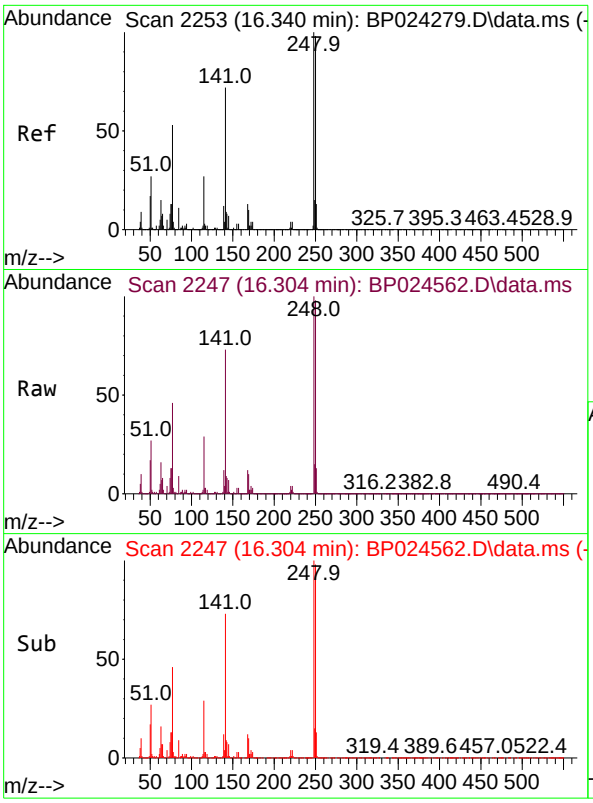


#66
n-Nitrosodiphenylamine
Concen: 47.382 ng
RT: 15.616 min Scan# 2130
Delta R.T. -0.012 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:169 Resp: 1091788

Ion	Ratio	Lower	Upper
169	100		
168	67.1	53.0	79.4
167	36.3	28.9	43.3



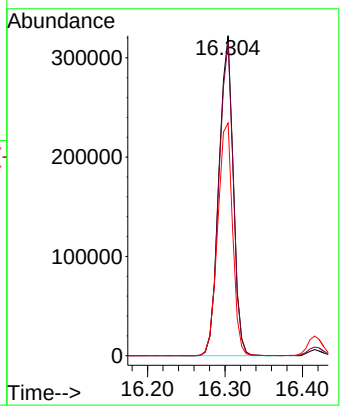


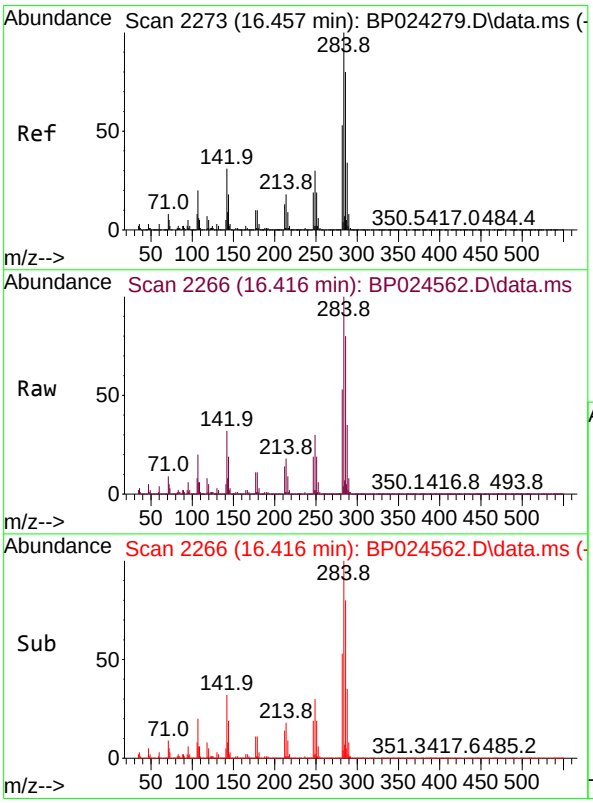
#67
4-Bromophenyl-phenylether
Concen: 49.050 ng
RT: 16.304 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:248 Resp: 414138

Ion	Ratio	Lower	Upper
248	100		
250	97.9	78.2	117.4
141	72.7	57.7	86.5

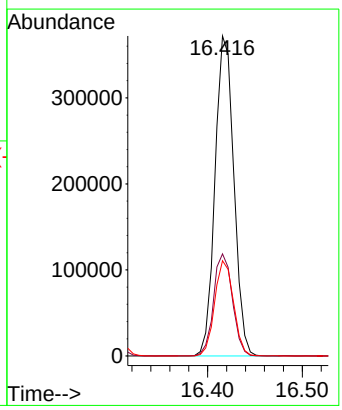


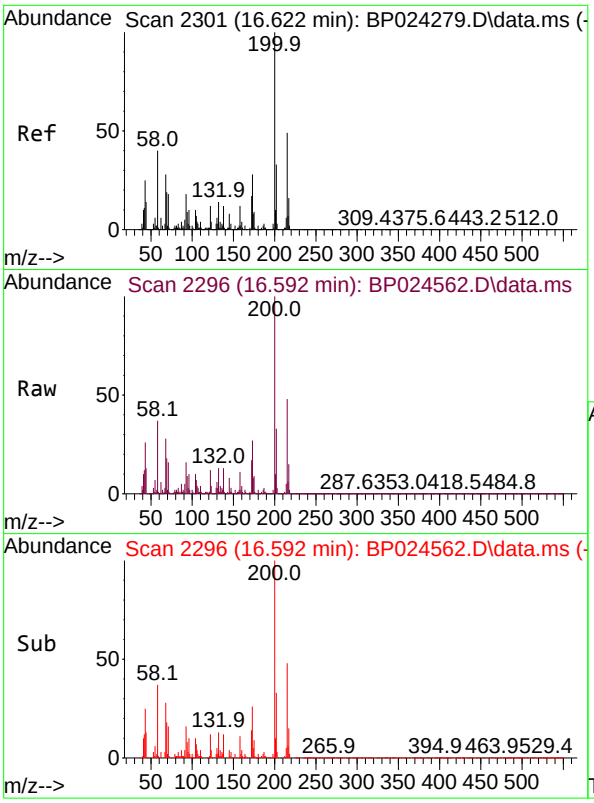


#68
Hexachlorobenzene
Concen: 51.247 ng
RT: 16.416 min Scan# 2266
Delta R.T. -0.024 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:284 Resp: 514146

Ion	Ratio	Lower	Upper
284	100		
142	31.9	24.6	37.0
249	29.7	23.8	35.6



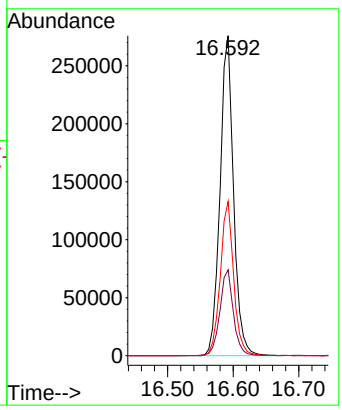


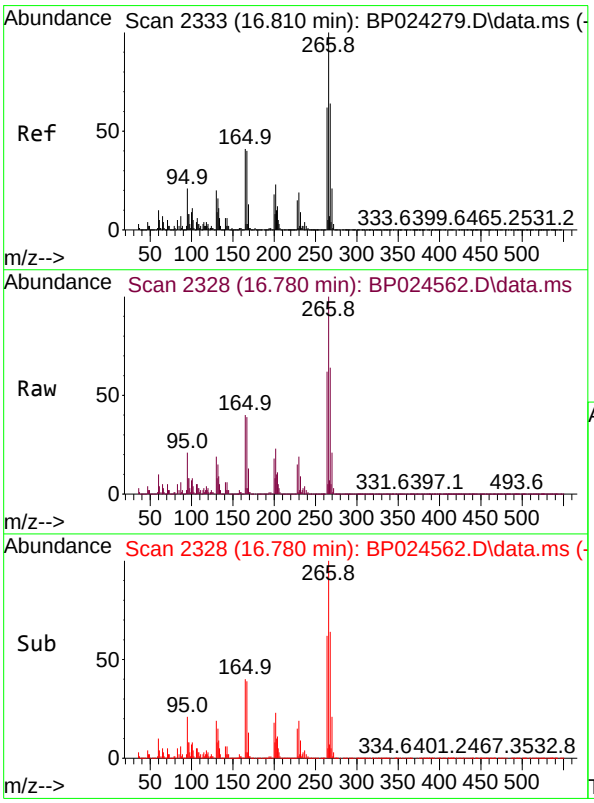
#69
Atrazine
Concen: 66.876 ng
RT: 16.592 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:200 Resp: 392473

Ion	Ratio	Lower	Upper
200	100		
173	26.9	7.5	47.5
215	48.2	28.8	68.8

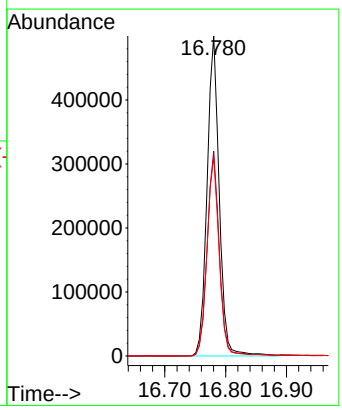


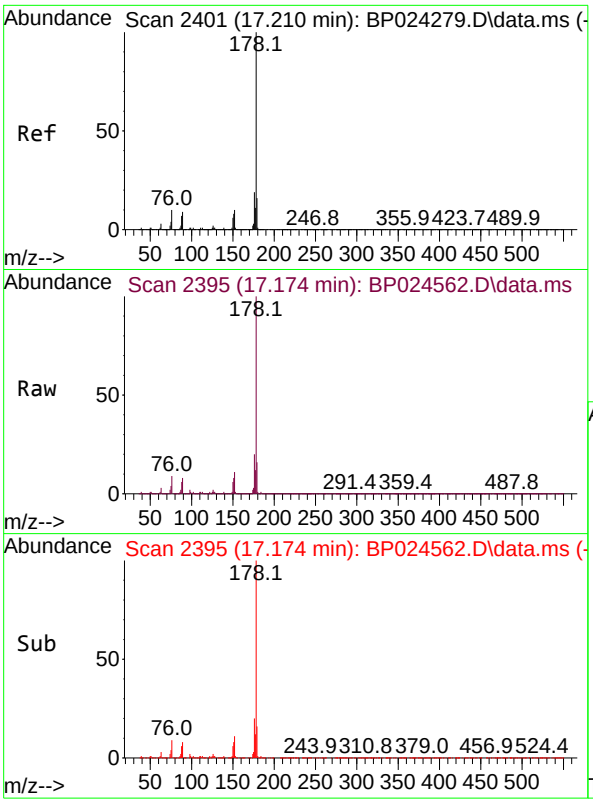


#70
Pentachlorophenol
Concen: 98.845 ng
RT: 16.780 min Scan# 2328
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:266 Resp: 691833

Ion	Ratio	Lower	Upper
266	100		
268	64.0	51.0	76.6
264	62.2	49.8	74.6



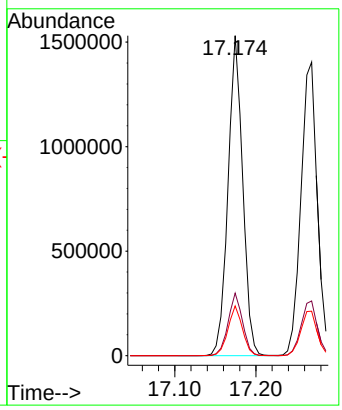


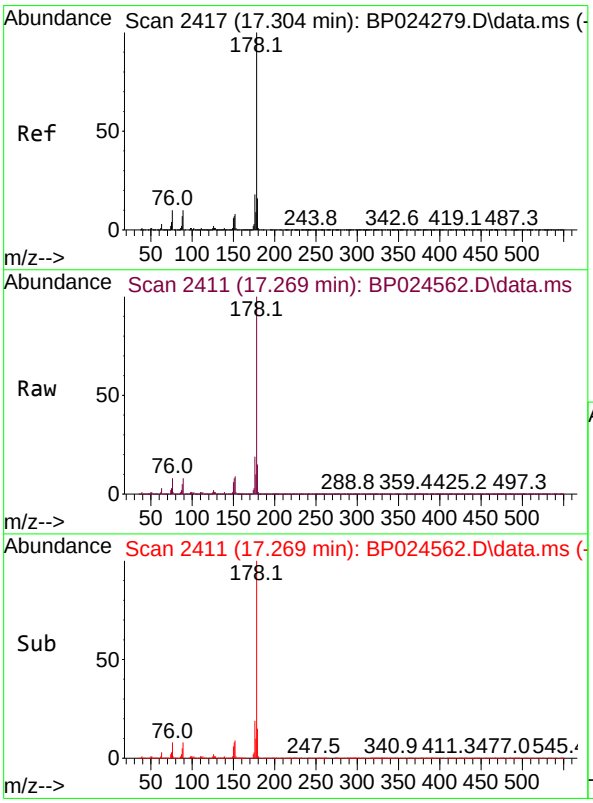
#71
Phenanthrene
Concen: 45.631 ng
RT: 17.174 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:178 Resp: 1921721

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.0
179	15.5	12.5	18.7

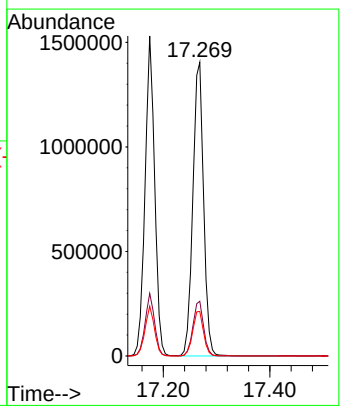


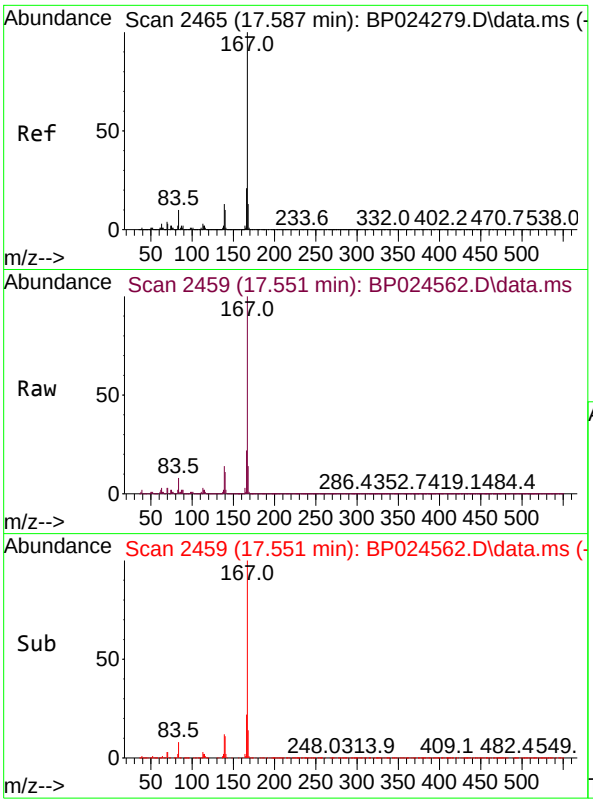


#72
Anthracene
Concen: 48.511 ng
RT: 17.269 min Scan# 2411
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:178 Resp: 1969025

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.7	22.1
179	15.2	12.4	18.6



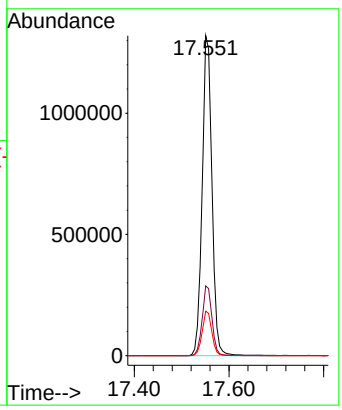


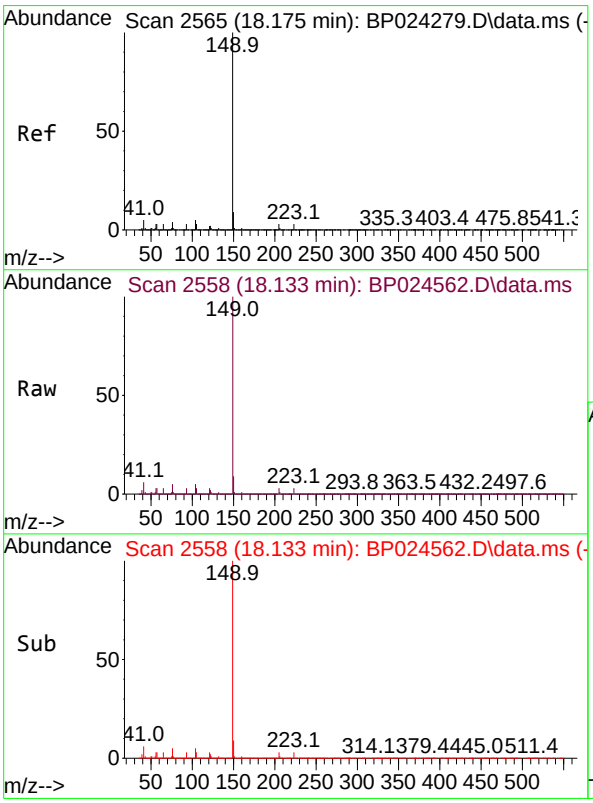
#73
Carbazole
Concen: 47.475 ng
RT: 17.551 min Scan# 24
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:167 Resp: 1882845

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.1	25.7
139	13.9	10.6	16.0

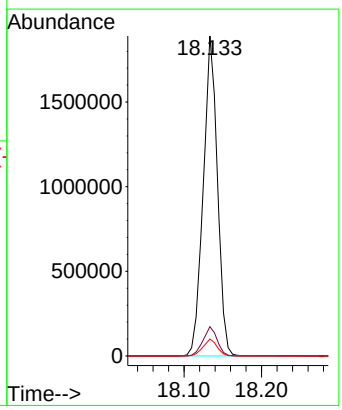


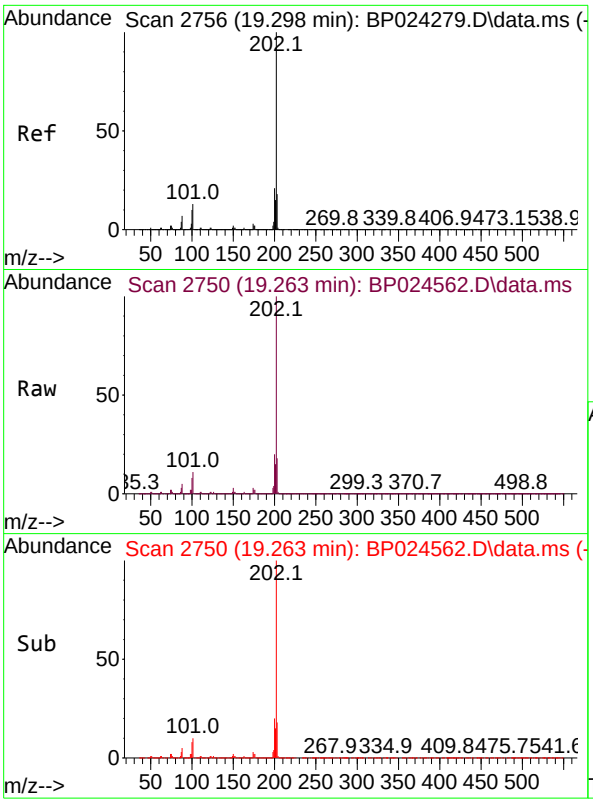


#74
Di-n-butylphthalate
Concen: 48.518 ng
RT: 18.133 min Scan# 2558
Delta R.T. -0.024 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:149 Resp: 2397286

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.2
104	5.3	3.9	5.9



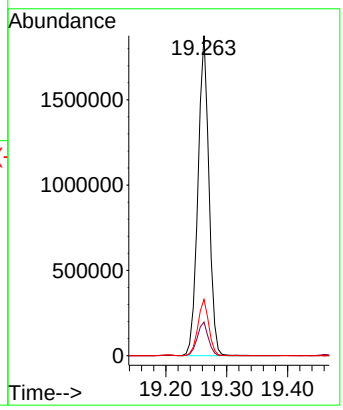


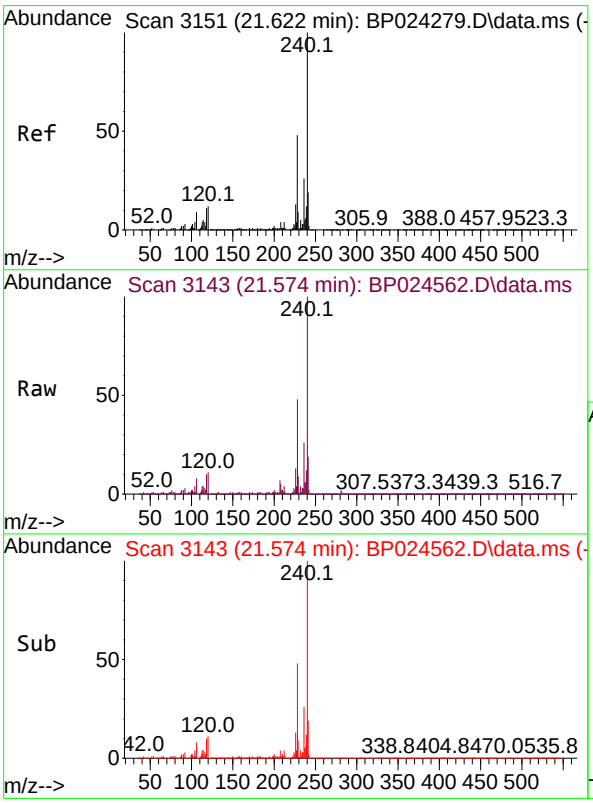
#75
Fluoranthene
Concen: 46.706 ng
RT: 19.263 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:202 Resp: 2339401

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	33.2
203	17.6	0.0	37.7

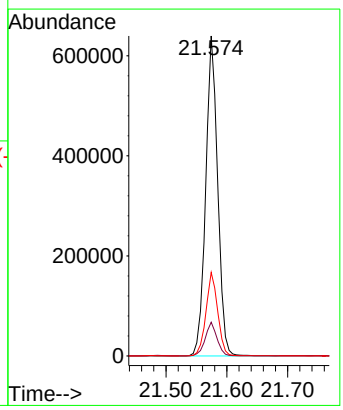


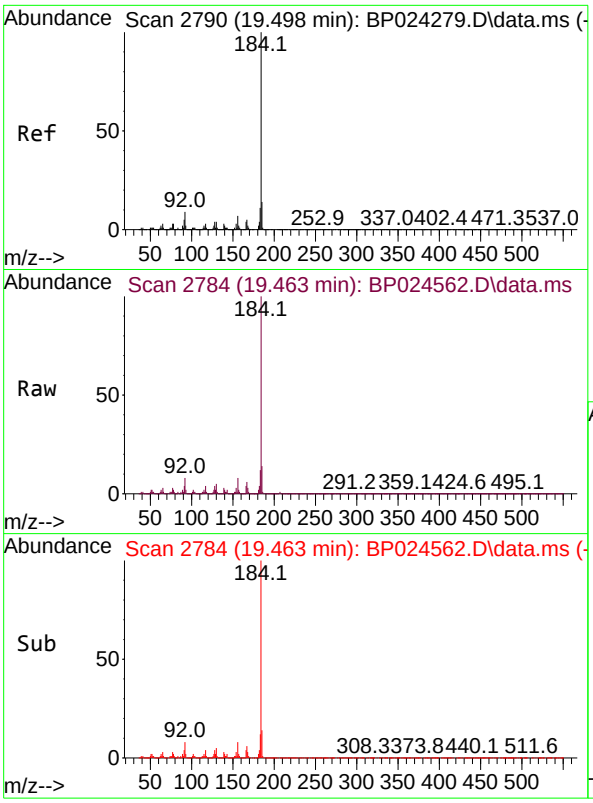


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.574 min Scan# 3143
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:240 Resp: 874555

Ion	Ratio	Lower	Upper
240	100		
120	10.5	9.8	14.8
236	26.1	20.9	31.3



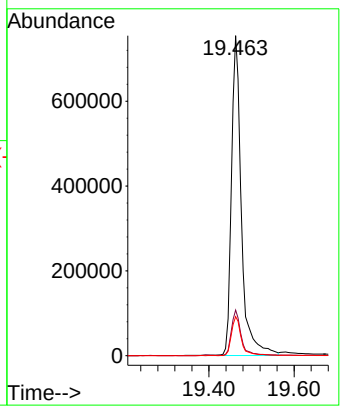


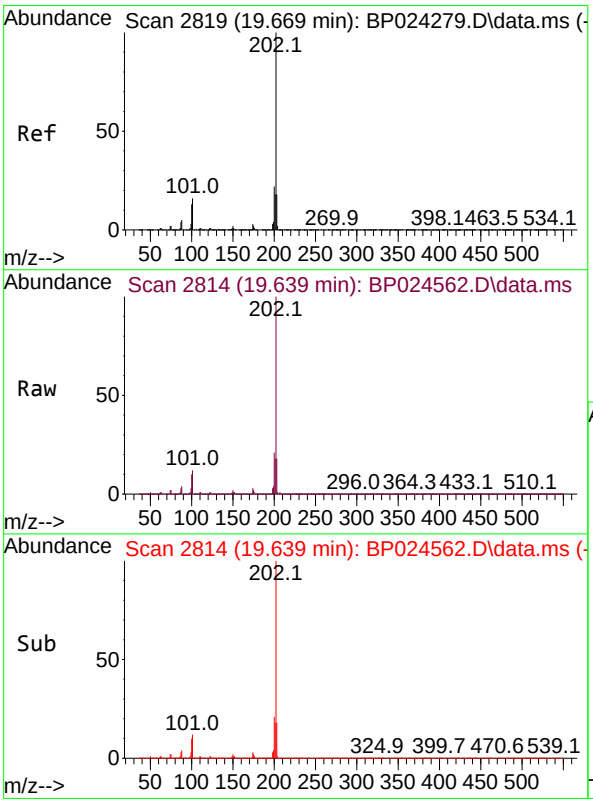
#77
Benzidine
Concen: 110.073 ng
RT: 19.463 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:184 Resp: 1220239

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.6	17.4
183	12.2	9.2	13.8

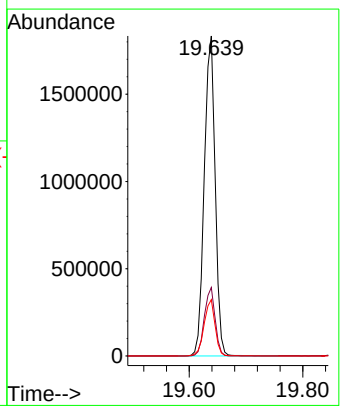


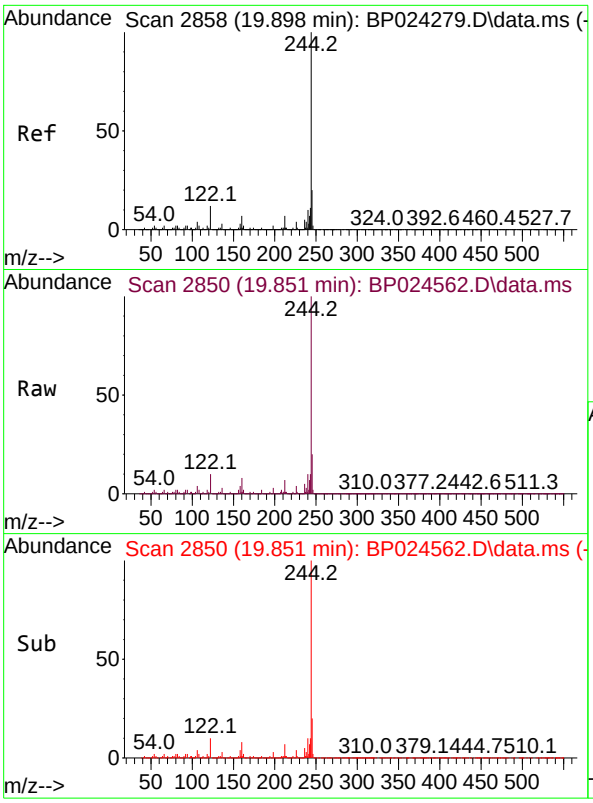


#78
Pyrene
Concen: 43.742 ng
RT: 19.639 min Scan# 2814
Delta R.T. -0.012 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:202 Resp: 2431140

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.2	25.8
203	17.6	14.4	21.6



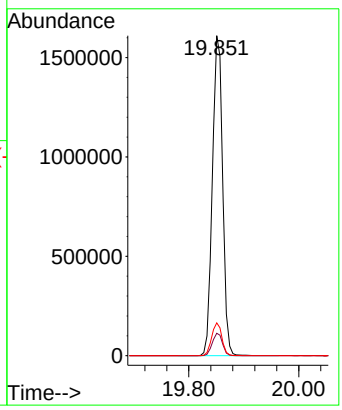


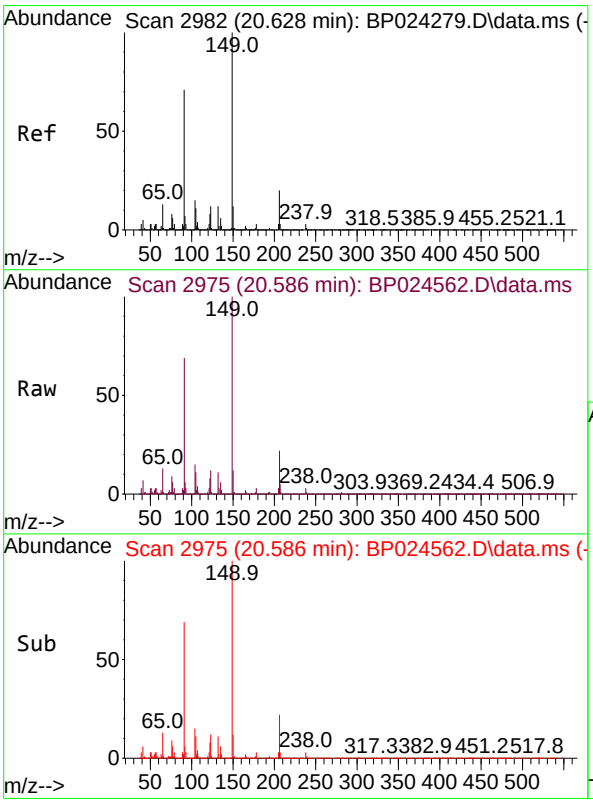
#79
Terphenyl-d14
Concen: 48.124 ng
RT: 19.851 min Scan# 2
Delta R.T. -0.024 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:244 Resp: 2088015

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	10.3	9.4	14.0

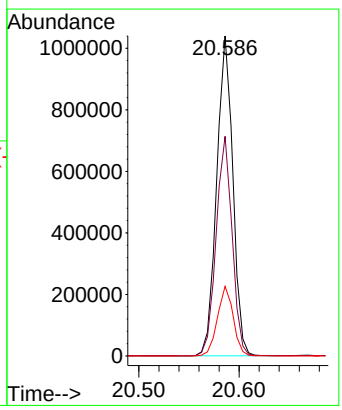


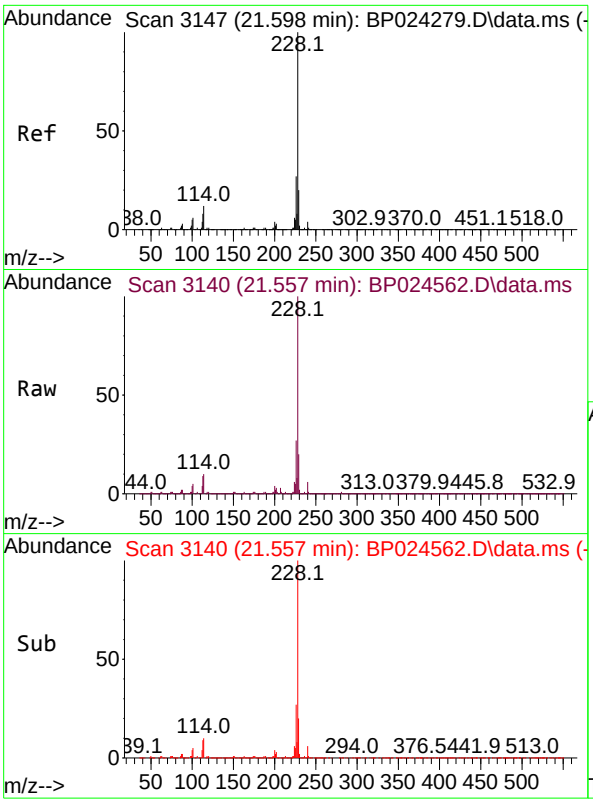


#80
Butylbenzylphthalate
Concen: 48.757 ng
RT: 20.586 min Scan# 2975
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:149 Resp: 1160705

Ion	Ratio	Lower	Upper
149	100		
91	68.7	56.4	84.6
206	21.8	16.3	24.5



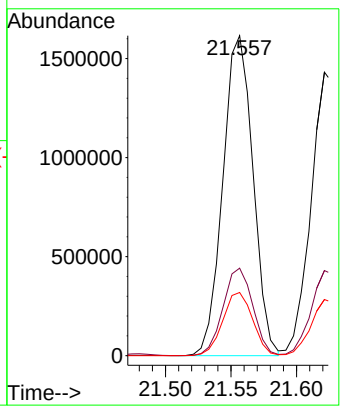


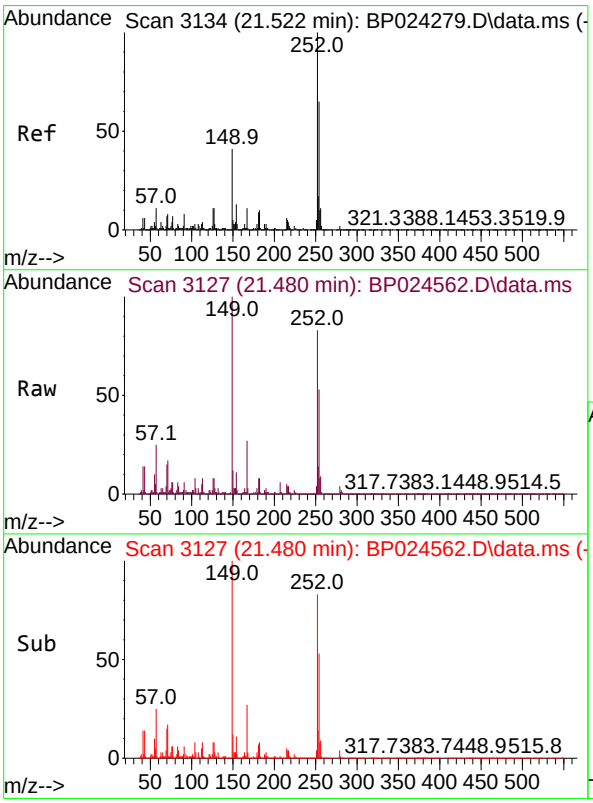
#81
Benzo(a)anthracene
Concen: 47.511 ng
RT: 21.557 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:228 Resp: 2582660

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.8	32.8
229	19.8	15.9	23.9

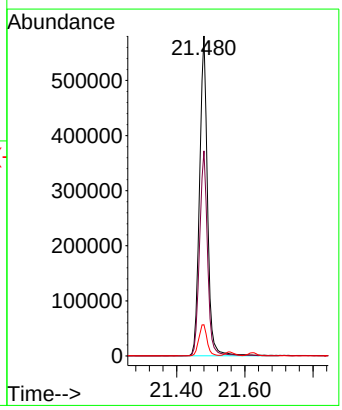


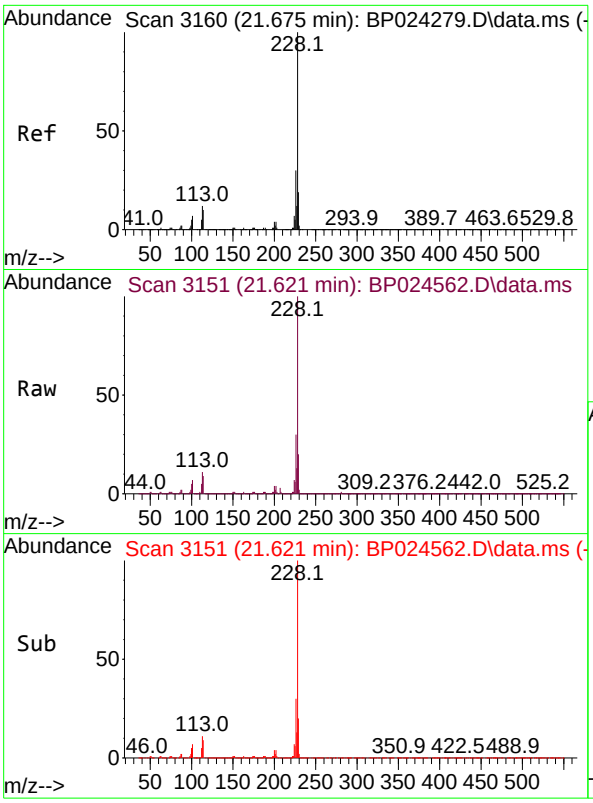


#82
3,3'-Dichlorobenzidine
Concen: 49.202 ng
RT: 21.480 min Scan# 3127
Delta R.T. -0.012 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:252 Resp: 938740

Ion	Ratio	Lower	Upper
252	100		
254	64.1	51.7	77.5
126	9.7	8.8	13.2



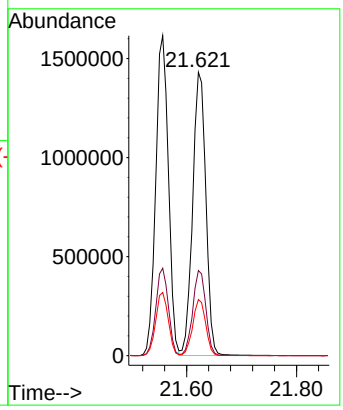


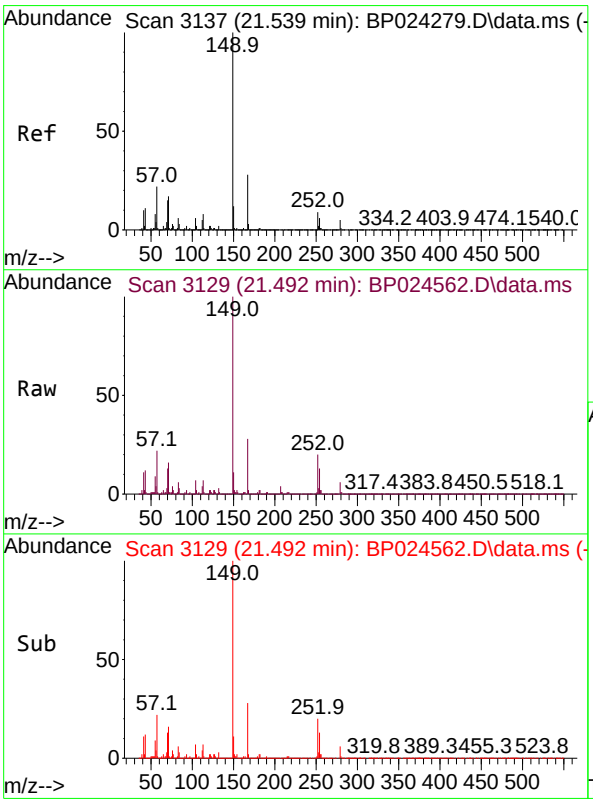
#83
Chrysene
Concen: 45.769 ng
RT: 21.621 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:228 Resp: 2383597

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.2	36.2
229	19.8	15.6	23.4

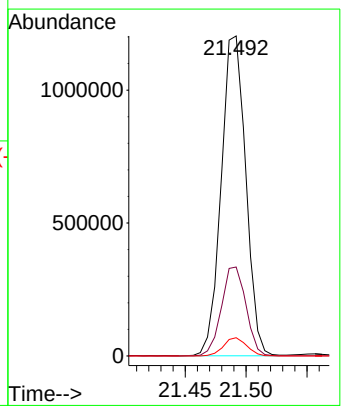


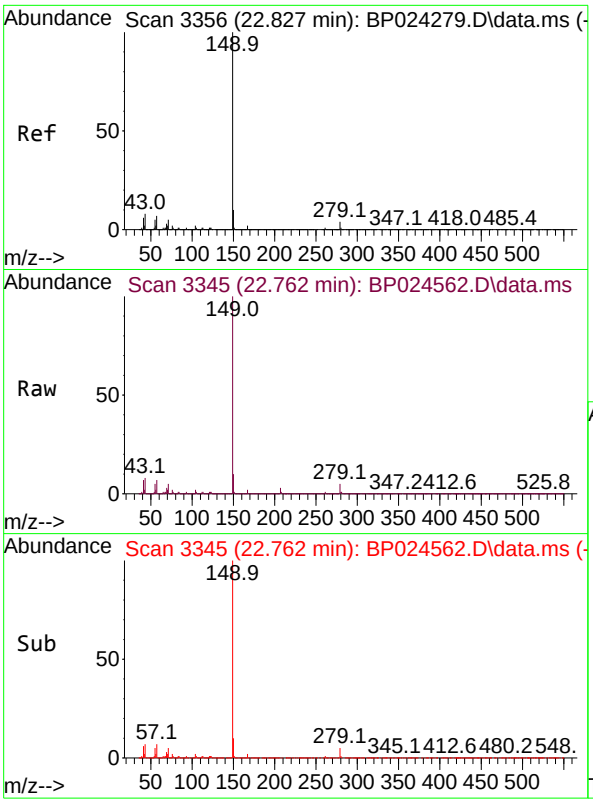


#84
Bis(2-ethylhexyl)phthalate
Concen: 48.397 ng
RT: 21.492 min Scan# 3129
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:149 Resp: 1688963

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.4	33.6
279	5.7	4.0	6.0



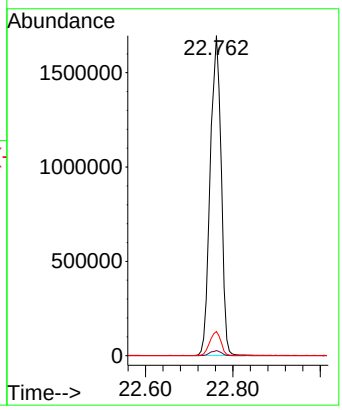


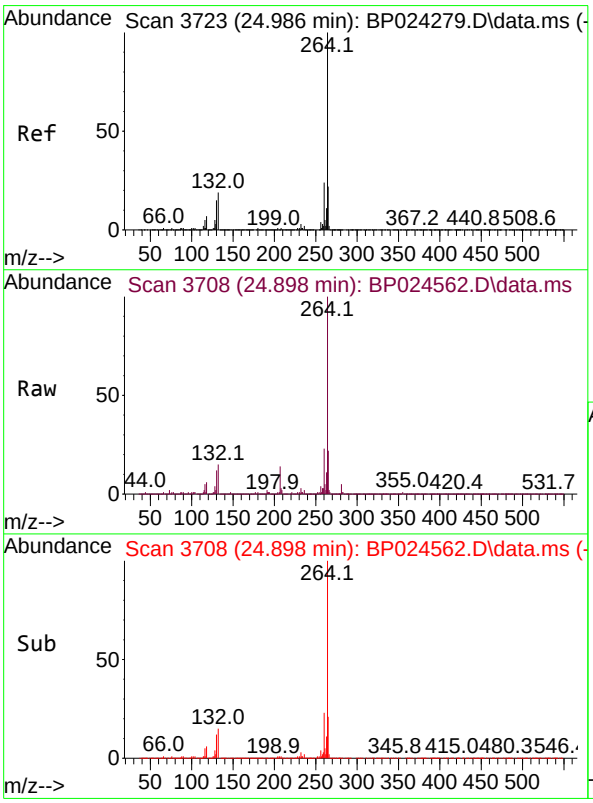
#85
Di-n-octyl phthalate
Concen: 52.091 ng
RT: 22.762 min Scan# 3
Delta R.T. -0.024 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:149 Resp: 2955365

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.6	6.0	9.0

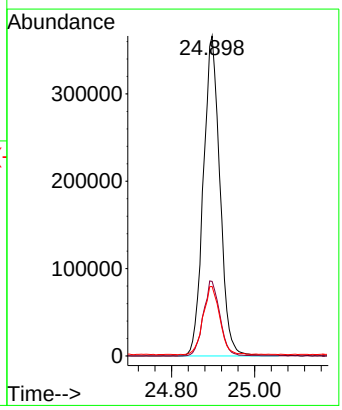


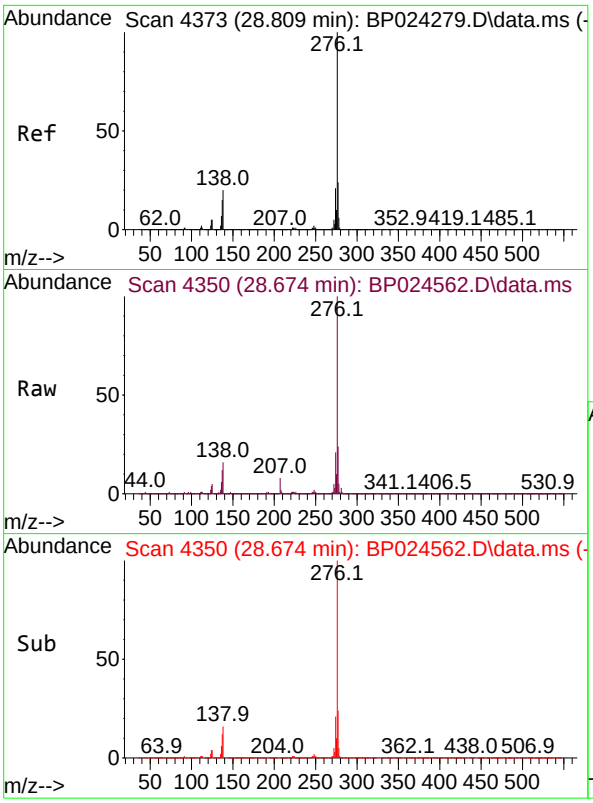


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.898 min Scan# 3708
Delta R.T. -0.035 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:264 Resp: 1014332

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.9	28.3
265	21.7	17.8	26.6



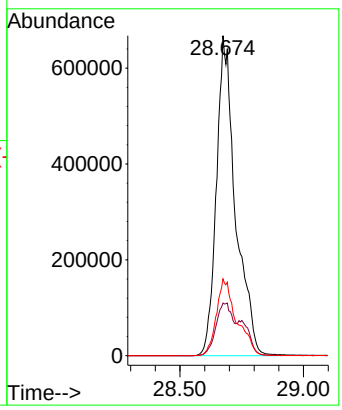


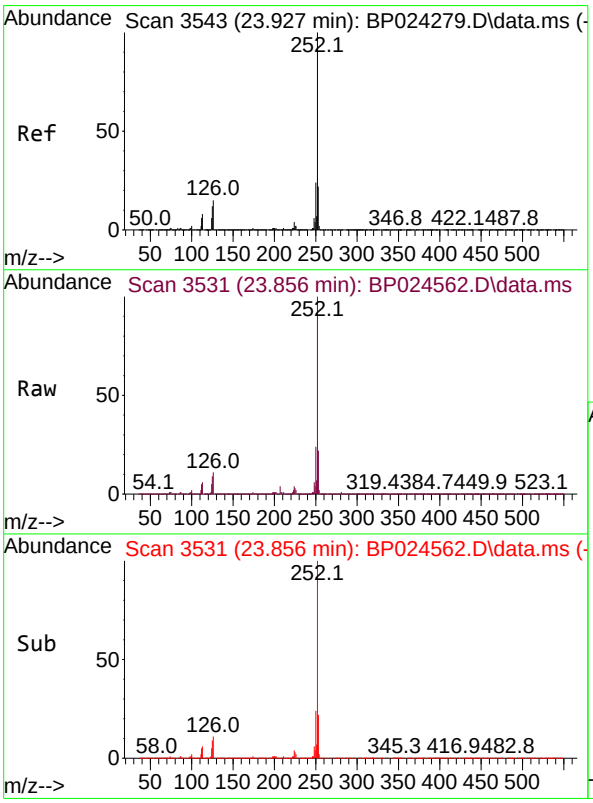
#87
Indeno(1,2,3-cd)pyrene
Concen: 51.012 ng
RT: 28.674 min Scan# 4
Delta R.T. -0.065 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:276 Resp: 3592229

Ion	Ratio	Lower	Upper
276	100		
138	14.7	14.5	21.7
277	25.5	20.2	30.2

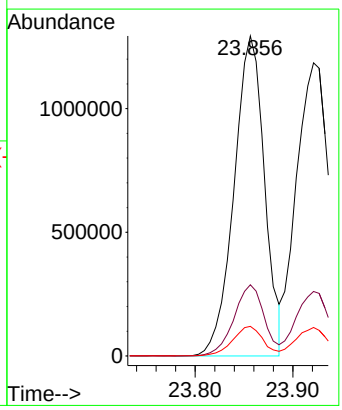


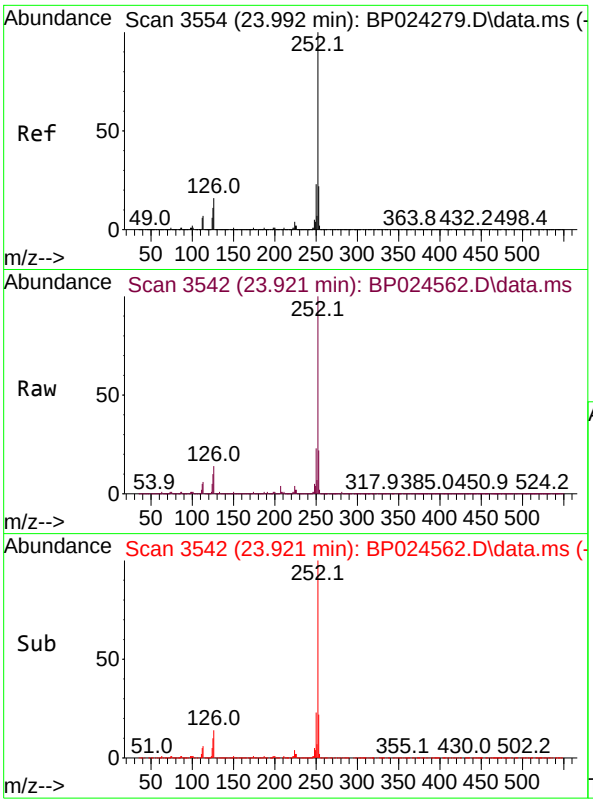


#88
Benzo(b)fluoranthene
Concen: 46.129 ng m
RT: 23.856 min Scan# 3531
Delta R.T. -0.030 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:252 Resp: 2804625

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	9.3	9.4	14.0#



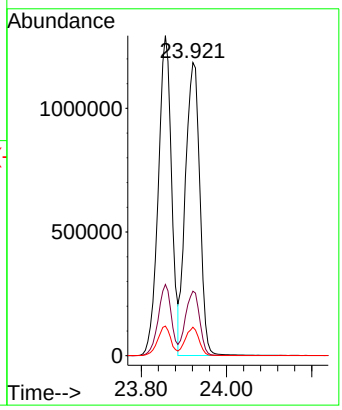


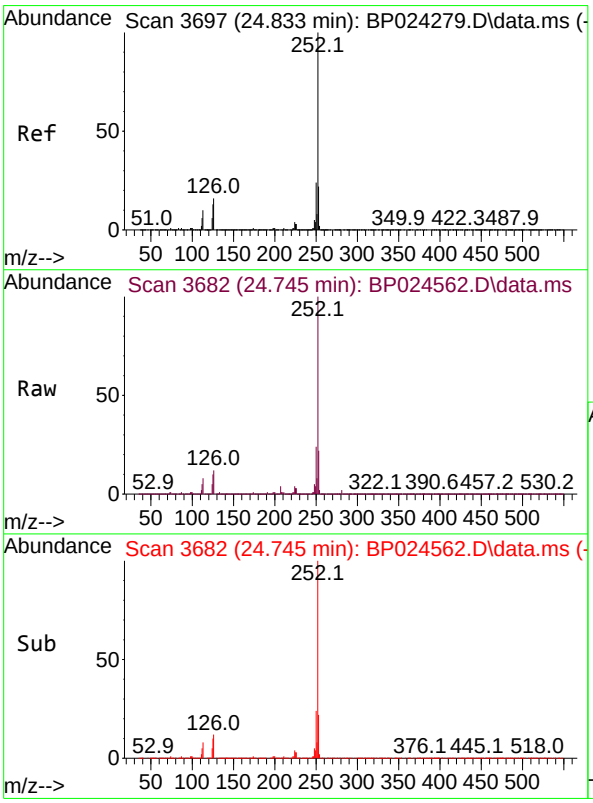
#89
Benzo(k)fluoranthene
Concen: 47.162 ng
RT: 23.921 min Scan# 3
Delta R.T. -0.035 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:252 Resp: 2769797

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	9.7	9.1	13.7

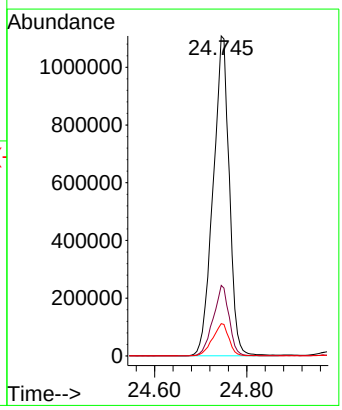


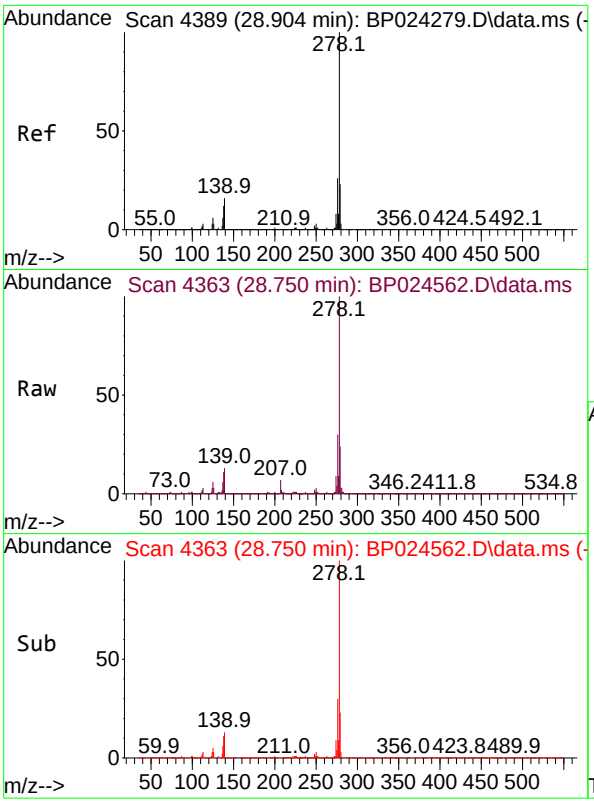


#90
Benzo(a)pyrene
Concen: 51.419 ng
RT: 24.745 min Scan# 3682
Delta R.T. -0.035 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:252 Resp: 2696702

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	10.1	10.1	15.1



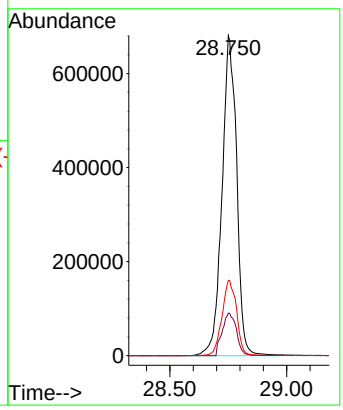


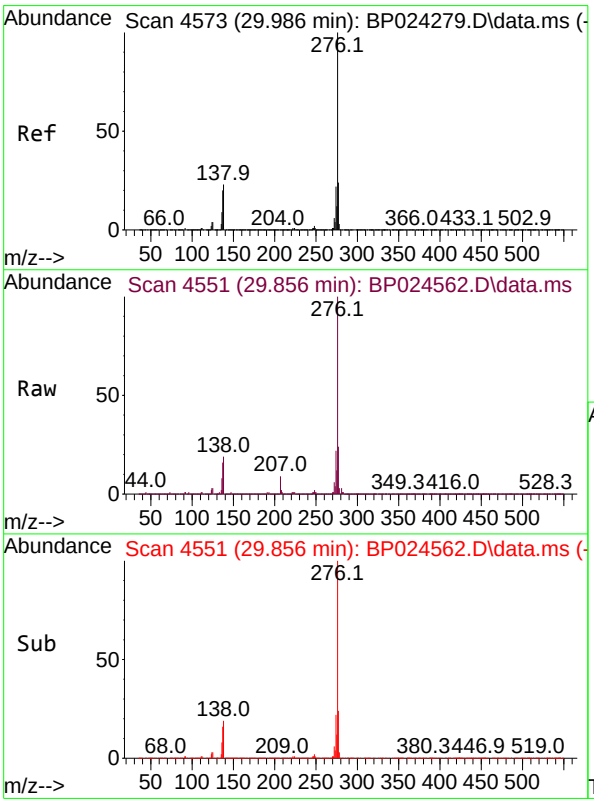
#91
Dibenzo(a,h)anthracene
Concen: 50.732 ng
RT: 28.750 min Scan# 4
Delta R.T. -0.053 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:278 Resp: 2965315

Ion	Ratio	Lower	Upper
278	100		
139	13.3	12.6	19.0
279	23.5	18.5	27.7

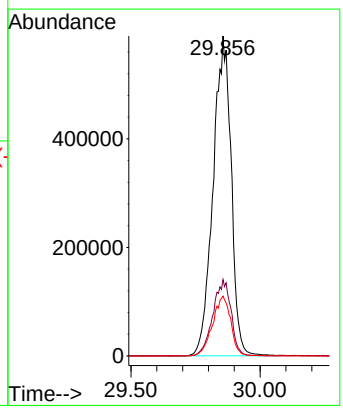




#92
Benzo(g,h,i)perylene
Concen: 48.158 ng
RT: 29.856 min Scan# 4551
Delta R.T. -0.041 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:276 Resp: 2865086

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.9	28.3
138	18.7	18.7	28.1#



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Manual Integration Report

Sequence:	BM042825	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BM050025.D	4-Nitroaniline	Rahul	4/29/2025 8:55:04 AM	Jagrut	4/29/2025 11:57:10 AM	Peak Integrated by Software
SSTDICC005	BM050025.D	Benzaldehyde	Rahul	4/29/2025 8:55:04 AM	Jagrut	4/29/2025 11:57:10 AM	Peak Integrated by Software
SSTDICC005	BM050025.D	Benzo(k)fluoranthene	Rahul	4/29/2025 8:55:04 AM	Jagrut	4/29/2025 11:57:10 AM	Peak Integrated by Software
SSTDICC005	BM050025.D	Caprolactam	Rahul	4/29/2025 8:55:04 AM	Jagrut	4/29/2025 11:57:10 AM	Peak Integrated by Software
SSTDICC010	BM050026.D	4-Nitroaniline	Rahul	4/29/2025 8:55:07 AM	Jagrut	4/29/2025 11:57:13 AM	Peak Integrated by Software
SSTDICC010	BM050026.D	Benzaldehyde	Rahul	4/29/2025 8:55:07 AM	Jagrut	4/29/2025 11:57:13 AM	Peak Integrated by Software
SSTDICC010	BM050026.D	Benzoic acid	Rahul	4/29/2025 8:55:07 AM	Jagrut	4/29/2025 11:57:13 AM	Peak Integrated by Software
SSTDICC020	BM050027.D	Benzoic acid	Rahul	4/29/2025 8:55:10 AM	Jagrut	4/29/2025 11:57:15 AM	Peak Integrated by Software
SSTDICV040	BM050032.D	Benzaldehyde	Rahul	4/29/2025 8:55:13 AM	Jagrut	4/29/2025 11:57:18 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bm043025	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	bp041425	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BP024276.D	Benzaldehyde	Rahul	4/15/2025 9:45:41 AM	Jagrut	4/15/2025 10:52:38 AM	Peak Integrated by Software
SSTDICC005	BP024276.D	Benzidine	Rahul	4/15/2025 9:45:41 AM	Jagrut	4/15/2025 10:52:38 AM	Peak Integrated by Software
SSTDICC010	BP024277.D	Benzaldehyde	Rahul	4/15/2025 9:46:12 AM	Jagrut	4/15/2025 10:52:41 AM	Peak Integrated by Software
SSTDICC010	BP024277.D	Benzoic acid	Rahul	4/15/2025 9:46:12 AM	Jagrut	4/15/2025 10:52:41 AM	Peak Integrated by Software
SSTDICC020	BP024278.D	Benzoic acid	Rahul	4/15/2025 9:46:28 AM	Jagrut	4/15/2025 10:52:44 AM	Peak Integrated by Software
SSTDICC050	BP024280.D	Indeno(1,2,3-cd)pyrene	Rahul	4/15/2025 9:47:02 AM	Jagrut	4/15/2025 10:52:46 AM	Peak Integrated by Software
SSTDICC050	BP024280.D	Pyridine	Rahul	4/15/2025 9:47:02 AM	Jagrut	4/15/2025 10:52:46 AM	Peak Integrated by Software
SSTDICC060	BP024281.D	Benzoic acid	Rahul	4/15/2025 9:47:31 AM	Jagrut	4/15/2025 10:52:48 AM	Peak Integrated by Software
SSTDICC060	BP024281.D	Indeno(1,2,3-cd)pyrene	Rahul	4/15/2025 9:47:31 AM	Jagrut	4/15/2025 10:52:48 AM	Peak Integrated by Software
SSTDICC060	BP024281.D	Pyridine	Rahul	4/15/2025 9:47:31 AM	Jagrut	4/15/2025 10:52:48 AM	Peak Integrated by Software
SSTDICC080	BP024282.D	Benzidine	Rahul	4/15/2025 9:48:04 AM	Jagrut	4/15/2025 10:52:51 AM	Peak Integrated by Software
SSTDICC080	BP024282.D	Benzoic acid	Rahul	4/15/2025 9:48:04 AM	Jagrut	4/15/2025 10:52:51 AM	Peak Integrated by Software
SSTDICC080	BP024282.D	Pyridine	Rahul	4/15/2025 9:48:04 AM	Jagrut	4/15/2025 10:52:51 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bp041425	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICV040	BP024283.D	Indeno(1,2,3-cd)pyrene	Rahul	4/15/2025 9:50:13 AM	Jagrut	4/15/2025 10:52:54 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BP050525	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP024538.D	Benzidine	Rahul	5/6/2025 9:57:47 AM	Jagrut	5/6/2025 10:50:38 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BP050725	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP024558.D	Benzo(b)fluoranthene	Rahul	5/8/2025 9:37:44 AM	Jagrut	5/8/2025 11:15:23 AM	Peak Integrated by Software
SSTDCCC040	BP024558.D	Indeno(1,2,3-cd)pyrene	Rahul	5/8/2025 9:37:44 AM	Jagrut	5/8/2025 11:15:23 AM	Peak Integrated by Software
Q1928-01MSD	BP024562.D	Benzo(b)fluoranthene	Rahul	5/8/2025 9:37:50 AM	Jagrut	5/8/2025 11:15:28 AM	Peak Integrated by Software
SSTDCCC040	BP024566.D	4-Nitroaniline	Rahul	5/8/2025 9:37:57 AM	Jagrut	5/8/2025 11:15:33 AM	Peak Integrated by Software

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM042825

Review By	Rahul	Review On	4/29/2025 8:56:26 AM		
Supervise By	Jagrut	Supervise On	4/29/2025 11:57:30 AM		
SubDirectory	BM042825	HP Acquire Method	BNA_M	HP Processing Method	BM042825

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12661,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM050023.D	28 Apr 2025 11:46	RC/JU	Ok
2	SSTDICC2.5	BM050024.D	28 Apr 2025 12:30	RC/JU	Ok
3	SSTDICC005	BM050025.D	28 Apr 2025 13:09	RC/JU	Ok,M
4	SSTDICC010	BM050026.D	28 Apr 2025 13:48	RC/JU	Ok,M
5	SSTDICC020	BM050027.D	28 Apr 2025 14:27	RC/JU	Ok,M
6	SSTDICCC040	BM050028.D	28 Apr 2025 15:06	RC/JU	Ok
7	SSTDICC050	BM050029.D	28 Apr 2025 15:45	RC/JU	Ok
8	SSTDICC060	BM050030.D	28 Apr 2025 16:24	RC/JU	Ok
9	SSTDICC080	BM050031.D	28 Apr 2025 17:04	RC/JU	Ok
10	SSTDICV040	BM050032.D	28 Apr 2025 17:43	RC/JU	Ok,M
11	PB167739BL	BM050033.D	28 Apr 2025 19:40	RC/JU	Not Ok

M : Manual Integration

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM043025

Review By	Rahul	Review On	5/1/2025 11:29:43 AM				
Supervise By	Jagrut	Supervise On	5/1/2025 1:18:51 PM				
SubDirectory	BM043025	HP Acquire Method	BNA_M		HP Processing Method	BM042825	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12661,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM050041.D	30 Apr 2025 10:14	RC/JU	Ok
2	SSTDCCC040	BM050042.D	30 Apr 2025 10:53	RC/JU	Ok
3	PB167767BL	BM050043.D	30 Apr 2025 11:32	RC/JU	Not Ok
4	Q1883-01	BM050044.D	30 Apr 2025 14:07	RC/JU	Ok
5	Q1883-03	BM050045.D	30 Apr 2025 14:46	RC/JU	Ok
6	Q1883-05	BM050046.D	30 Apr 2025 15:25	RC/JU	ReRun
7	Q1883-07	BM050047.D	30 Apr 2025 16:04	RC/JU	Ok
8	Q1883-09	BM050048.D	30 Apr 2025 16:44	RC/JU	Ok
9	Q1889-02	BM050049.D	30 Apr 2025 17:23	RC/JU	Ok
10	Q1889-02MS	BM050050.D	30 Apr 2025 18:02	RC/JU	Ok
11	Q1889-02MSD	BM050051.D	30 Apr 2025 18:41	RC/JU	Ok
12	SSTDCCC040	BM050052.D	30 Apr 2025 19:20	RC/JU	Ok
13	DFTPP	BM050053.D	30 Apr 2025 20:38	RC/JU	Ok
14	SSTDCCC040	BM050054.D	30 Apr 2025 21:18	RC/JU	Ok
15	PB167767BL	BM050055.D	30 Apr 2025 21:57	RC/JU	Ok
16	PB167767BS	BM050056.D	30 Apr 2025 22:36	RC/JU	Ok
17	Q1883-11	BM050057.D	30 Apr 2025 23:15	RC/JU	Ok
18	Q1883-13	BM050058.D	30 Apr 2025 23:54	RC/JU	Ok
19	Q1883-15	BM050059.D	01 May 2025 00:33	RC/JU	Ok
20	SSTDCCC040	BM050060.D	01 May 2025 01:12	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP041425

Review By	Rahul	Review On	4/15/2025 9:55:40 AM		
Supervise By	Jagrut	Supervise On	4/15/2025 10:53:04 AM		
SubDirectory	BP041425	HP Acquire Method	BNA_P	HP Processing Method	bp041425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12659,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024274.D	14 Apr 2025 10:25	RC/JU	Ok
2	SSTDICC2.5	BP024275.D	14 Apr 2025 11:06	RC/JU	Ok
3	SSTDICC005	BP024276.D	14 Apr 2025 11:47	RC/JU	Ok,M
4	SSTDICC010	BP024277.D	14 Apr 2025 12:27	RC/JU	Ok,M
5	SSTDICC020	BP024278.D	14 Apr 2025 13:08	RC/JU	Ok,M
6	SSTDICCC040	BP024279.D	14 Apr 2025 13:49	RC/JU	Ok
7	SSTDICC050	BP024280.D	14 Apr 2025 15:10	RC/JU	Ok,M
8	SSTDICC060	BP024281.D	14 Apr 2025 16:32	RC/JU	Ok,M
9	SSTDICC080	BP024282.D	14 Apr 2025 17:13	RC/JU	Ok,M
10	SSTDICV040	BP024283.D	14 Apr 2025 18:35	RC/JU	Ok,M
11	PB167488TB	BP024284.D	14 Apr 2025 19:16	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP050525

Review By	Rahul	Review On	5/6/2025 9:58:11 AM				
Supervise By	Jagrut	Supervise On	5/6/2025 10:50:58 AM				
SubDirectory	BP050525	HP Acquire Method	BNA_P		HP Processing Method	bp041425	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12662,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024521.D	05 May 2025 11:57	RC/JU	Ok
2	SSTDCCC040	BP024522.D	05 May 2025 12:38	RC/JU	Ok
3	PB167836BL	BP024523.D	05 May 2025 13:18	RC/JU	Ok
4	PB167836BS	BP024524.D	05 May 2025 13:59	RC/JU	Ok
5	Q1883-05RX	BP024525.D	05 May 2025 14:43	RC/JU	Confirms
6	Q1928-01MS	BP024526.D	05 May 2025 15:24	RC/JU	Ok
7	Q1928-01MSD	BP024527.D	05 May 2025 16:05	RC/JU	Ok,M
8	Q1935-01	BP024528.D	05 May 2025 16:45	RC/JU	Ok
9	Q1901-10RE	BP024529.D	05 May 2025 17:26	RC/JU	Confirms
10	Q1907-02RE	BP024530.D	05 May 2025 18:07	RC/JU	Confirms
11	Q1932-06RE	BP024531.D	05 May 2025 18:47	RC/JU	Confirms
12	Q1929-07	BP024532.D	05 May 2025 19:28	RC/JU	Ok
13	Q1929-11	BP024533.D	05 May 2025 20:09	RC/JU	Ok
14	Q1935-04	BP024534.D	05 May 2025 20:49	RC/JU	Ok
15	Q1935-08	BP024535.D	05 May 2025 21:30	RC/JU	Ok
16	Q1928-04	BP024536.D	05 May 2025 22:11	RC/JU	Ok
17	Q1946-01	BP024537.D	05 May 2025 22:52	RC/JU	Ok
18	SSTDCCC040	BP024538.D	05 May 2025 23:32	RC/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP050725

Review By	Rahul	Review On	5/8/2025 9:37:29 AM				
Supervise By	Jagrut	Supervise On	5/8/2025 11:18:30 AM				
SubDirectory	BP050725	HP Acquire Method	BNA_P		HP Processing Method	bp041425	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12663,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024557.D	07 May 2025 09:28	RC/JU	Ok
2	SSTDCCC040	BP024558.D	07 May 2025 10:08	RC/JU	Ok,M
3	PB167886BL	BP024559.D	07 May 2025 10:49	RC/JU	Ok
4	PB167886BS	BP024560.D	07 May 2025 11:30	RC/JU	Ok,M
5	Q1928-01MS	BP024561.D	07 May 2025 12:56	RC/JU	Ok
6	Q1928-01MSD	BP024562.D	07 May 2025 13:37	RC/JU	Ok,M
7	Q1947-04	BP024563.D	07 May 2025 14:41	RC/JU	ReRun
8	Q1947-04MS	BP024564.D	07 May 2025 15:21	RC/JU	Ok,M
9	Q1947-04MSD	BP024565.D	07 May 2025 16:02	RC/JU	Ok
10	SSTDCCC040	BP024566.D	07 May 2025 16:43	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM042825

Review By	Rahul	Review On	4/29/2025 8:56:26 AM		
Supervise By	Jagrut	Supervise On	4/29/2025 11:57:30 AM		
SubDirectory	BM042825	HP Acquire Method	BNA_M	HP Processing Method	BM042825

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12661,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM050023.D	28 Apr 2025 11:46		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BM050024.D	28 Apr 2025 12:30		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BM050025.D	28 Apr 2025 13:09	Compound#32-41-54-56-65-70-77 removed from 5 ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BM050026.D	28 Apr 2025 13:48		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BM050027.D	28 Apr 2025 14:27		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BM050028.D	28 Apr 2025 15:06	Compound#54 & 56 Kept on LR	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BM050029.D	28 Apr 2025 15:45		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BM050030.D	28 Apr 2025 16:24		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BM050031.D	28 Apr 2025 17:04		RC/JU	Ok
10	SSTDICV040	ICVBM042825	BM050032.D	28 Apr 2025 17:43		RC/JU	Ok,M
11	PB167739BL	PB167739BL	BM050033.D	28 Apr 2025 19:40	Analyzed for contamination check	RC/JU	Not Ok

M : Manual Integration

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM043025

Review By	Rahul	Review On	5/1/2025 11:29:43 AM		
Supervise By	Jagrut	Supervise On	5/1/2025 1:18:51 PM		
SubDirectory	BM043025	HP Acquire Method	BNA_M	HP Processing Method	BM042825

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12661,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM050041.D	30 Apr 2025 10:14		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BM050042.D	30 Apr 2025 10:53		RC/JU	Ok
3	PB167767BL	PB167767BL	BM050043.D	30 Apr 2025 11:32	Not Used	RC/JU	Not Ok
4	Q1883-01	OU4-PCS-TC-27-04232	BM050044.D	30 Apr 2025 14:07		RC/JU	Ok
5	Q1883-03	OU4-PCS-TC-28-04232	BM050045.D	30 Apr 2025 14:46		RC/JU	Ok
6	Q1883-05	OU4-PCS-TC-29-04232	BM050046.D	30 Apr 2025 15:25	Surrogate Fail - RE EXTRACTION.	RC/JU	ReRun
7	Q1883-07	OU4-PCS-TC-30-04232	BM050047.D	30 Apr 2025 16:04		RC/JU	Ok
8	Q1883-09	OU4-PCS-TC-31-04232	BM050048.D	30 Apr 2025 16:44		RC/JU	Ok
9	Q1889-02	COMP-2	BM050049.D	30 Apr 2025 17:23		RC/JU	Ok
10	Q1889-02MS	COMP-2MS	BM050050.D	30 Apr 2025 18:02		RC/JU	Ok
11	Q1889-02MSD	COMP-2MSD	BM050051.D	30 Apr 2025 18:41		RC/JU	Ok
12	SSTDCCC040	SSTDCCC040EC	BM050052.D	30 Apr 2025 19:20		RC/JU	Ok
13	DFTPP	DFTPP	BM050053.D	30 Apr 2025 20:38		RC/JU	Ok
14	SSTDCCC040	SSTDCCC040	BM050054.D	30 Apr 2025 21:18		RC/JU	Ok
15	PB167767BL	PB167767BL	BM050055.D	30 Apr 2025 21:57		RC/JU	Ok
16	PB167767BS	PB167767BS	BM050056.D	30 Apr 2025 22:36		RC/JU	Ok
17	Q1883-11	OU4-PCS-TC-32-04232	BM050057.D	30 Apr 2025 23:15		RC/JU	Ok

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM043025

Review By	Rahul	Review On	5/1/2025 11:29:43 AM		
Supervise By	Jagrut	Supervise On	5/1/2025 1:18:51 PM		
SubDirectory	BM043025	HP Acquire Method	BNA_M	HP Processing Method	BM042825

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12661,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q1883-13	OU4-VSL-18-042325	BM050058.D	30 Apr 2025 23:54		RC/JU	Ok
19	Q1883-15	OU4-VSL-19-042325	BM050059.D	01 May 2025 00:33		RC/JU	Ok
20	SSTDCCC040	SSTDCCC040EC	BM050060.D	01 May 2025 01:12		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP041425

Review By	Rahul	Review On	4/15/2025 9:55:40 AM		
Supervise By	Jagrut	Supervise On	4/15/2025 10:53:04 AM		
SubDirectory	BP041425	HP Acquire Method	BNA_P	HP Processing Method	bp041425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12659,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP024274.D	14 Apr 2025 10:25		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BP024275.D	14 Apr 2025 11:06		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BP024276.D	14 Apr 2025 11:47	Compound #32,54,65 removed from 5ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BP024277.D	14 Apr 2025 12:27		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BP024278.D	14 Apr 2025 13:08		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BP024279.D	14 Apr 2025 13:49	This calibration is fail for Com#77	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BP024280.D	14 Apr 2025 15:10	This calibration is good for 8270E, 8270 DOD and 625.1 methods except Compound#77	RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BP024281.D	14 Apr 2025 16:32	Compound #69 Removed from 60PPM	RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BP024282.D	14 Apr 2025 17:13	Compound #69 Removed from 80PPM	RC/JU	Ok,M
10	SSTDICV040	ICVBP041425	BP024283.D	14 Apr 2025 18:35		RC/JU	Ok,M
11	PB167488TB	PB167488TB	BP024284.D	14 Apr 2025 19:16		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP050525

Review By	Rahul	Review On	5/6/2025 9:58:11 AM		
Supervise By	Jagrut	Supervise On	5/6/2025 10:50:58 AM		
SubDirectory	BP050525	HP Acquire Method	BNA_P	HP Processing Method	bp041425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12662,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP024521.D	05 May 2025 11:57		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP024522.D	05 May 2025 12:38		RC/JU	Ok
3	PB167836BL	PB167836BL	BP024523.D	05 May 2025 13:18		RC/JU	Ok
4	PB167836BS	PB167836BS	BP024524.D	05 May 2025 13:59		RC/JU	Ok
5	Q1883-05RX	OU4-PCS-TC-29-04232	BP024525.D	05 May 2025 14:43	Surrogate Fail	RC/JU	Confirms
6	Q1928-01MS	MH-QMS	BP024526.D	05 May 2025 15:24		RC/JU	Ok
7	Q1928-01MSD	MH-QMSD	BP024527.D	05 May 2025 16:05		RC/JU	Ok,M
8	Q1935-01	MH-NN	BP024528.D	05 May 2025 16:45		RC/JU	Ok
9	Q1901-10RE	B-167-SB02RE	BP024529.D	05 May 2025 17:26	Internal Standard and surrogate Fail	RC/JU	Confirms
10	Q1907-02RE	CO-8R-WCRE	BP024530.D	05 May 2025 18:07	Internal Standard and surrogate Fail	RC/JU	Confirms
11	Q1932-06RE	COMP-6RE	BP024531.D	05 May 2025 18:47	Surrogate Fail	RC/JU	Confirms
12	Q1929-07	WC-A1-03-C	BP024532.D	05 May 2025 19:28		RC/JU	Ok
13	Q1929-11	WC-A1-04-C	BP024533.D	05 May 2025 20:09		RC/JU	Ok
14	Q1935-04	MH-NN	BP024534.D	05 May 2025 20:49		RC/JU	Ok
15	Q1935-08	MH-MM	BP024535.D	05 May 2025 21:30		RC/JU	Ok
16	Q1928-04	MH-Q	BP024536.D	05 May 2025 22:11		RC/JU	Ok
17	Q1946-01	BB-CONCRETE	BP024537.D	05 May 2025 22:52		RC/JU	Ok

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP050525

Review By	Rahul	Review On	5/6/2025 9:58:11 AM		
Supervise By	Jagrut	Supervise On	5/6/2025 10:50:58 AM		
SubDirectory	BP050525	HP Acquire Method	BNA_P	HP Processing Method	bp041425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12662,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	SSTDCCC040	SSTDCCC040EC	BP024538.D	05 May 2025 23:32		RC/JU	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP050725

Review By	Rahul	Review On	5/8/2025 9:37:29 AM		
Supervise By	Jagrut	Supervise On	5/8/2025 11:18:30 AM		
SubDirectory	BP050725	HP Acquire Method	BNA_P	HP Processing Method	bp041425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12663,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP024557.D	07 May 2025 09:28		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP024558.D	07 May 2025 10:08		RC/JU	Ok,M
3	PB167886BL	PB167886BL	BP024559.D	07 May 2025 10:49		RC/JU	Ok
4	PB167886BS	PB167886BS	BP024560.D	07 May 2025 11:30		RC/JU	Ok,M
5	Q1928-01MS	MH-QMS	BP024561.D	07 May 2025 12:56		RC/JU	Ok
6	Q1928-01MSD	MH-QMSD	BP024562.D	07 May 2025 13:37		RC/JU	Ok,M
7	Q1947-04	MH-P	BP024563.D	07 May 2025 14:41	Surrogate and Internal standard Fail	RC/JU	ReRun
8	Q1947-04MS	MH-PMS	BP024564.D	07 May 2025 15:21		RC/JU	Ok,M
9	Q1947-04MSD	MH-PMSD	BP024565.D	07 May 2025 16:02		RC/JU	Ok
10	SSTDCCC040	SSTDCCC040EC	BP024566.D	07 May 2025 16:43		RC/JU	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/28/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 04/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:37
Out Date: 04/26/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135558

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1883-01	OU4-PCS-TC-27-042325	1	1.18	10.04	11.22	10.67	94.5	
Q1883-03	OU4-PCS-TC-28-042325	2	1.14	9.97	11.11	10.56	94.5	
Q1883-05	OU4-PCS-TC-29-042325	3	1.19	10.54	11.73	11.28	95.7	
Q1883-07	OU4-PCS-TC-30-042325	4	1.17	10.15	11.32	10.96	96.5	
Q1883-09	OU4-PCS-TC-31-042325	5	1.18	10.48	11.66	11.34	96.9	
Q1883-11	OU4-PCS-TC-32-042325	6	1.18	9.96	11.14	10.87	97.3	
Q1883-13	OU4-PCS-18-042325	7	1.15	10.25	11.4	10.86	94.7	
Q1883-15	OU4-PCS-19-042325	8	1.19	10.54	11.73	11.29	95.8	
Q1884-01	P001-SS037-01	9	1.17	10.30	11.47	10.87	94.2	
Q1884-02	P001-SS038-01	10	1.17	10.32	11.49	11.22	97.4	
Q1888-05	SVOC-GPC-BLANK	11	1.00	1.00	2.00	2.00	100.0	
Q1888-06	PEST-GPC-BLANK	12	1.00	1.00	2.00	2.00	100.0	
Q1888-07	PEST-GPC-BLANK-SPIKE	13	1.00	1.00	2.00	2.00	100.0	
Q1888-08	PCB-GPC-BLANK	14	1.00	1.00	2.00	2.00	100.0	
Q1888-09	PCB-GPC-BLANK-SPIKE	15	1.00	1.00	2.00	2.00	100.0	
Q1888-10	SVOC-GPC2-BLANK	16	1.00	1.00	2.00	2.00	100.0	
Q1888-11	PEST-GPC2-BLANK	17	1.00	1.00	2.00	2.00	100.0	
Q1888-12	PEST-GPC2-BLANK-SPIKE	18	1.00	1.00	2.00	2.00	100.0	
Q1888-13	PCB-GPC2-BLANK	19	1.00	1.00	2.00	2.00	100.0	
Q1888-14	PCB-GCP2-BLANK-SPIKE	20	1.00	1.00	2.00	2.00	100.0	
Q1889-01	COMP-1	21	1.19	10.07	11.26	9.5	82.5	
Q1889-02	COMP-2	22	1.16	10.50	11.66	9.61	80.5	
Q1889-03	COMP-3	23	1.11	10.73	11.84	9.77	80.7	
Q1891-01	MH-C	24	1.15	9.48	10.63	9.8	91.2	
Q1891-02	MH-C-EPH	25	1.16	9.82	10.98	10.15	91.5	
Q1891-03	MH-C-VOC	26	1.19	9.94	11.13	10.2	90.6	
Q1891-05	MH-D	27	1.15	10.17	11.32	9.64	83.5	
Q1891-06	MH-D-EPH	28	1.15	9.97	11.12	8.74	76.1	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/28/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 04/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:37
Out Date: 04/26/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135558

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1891-07	MH-D-VOC	29	1.18	9.46	10.64	8.83	80.9	
Q1892-01	MH-G	30	1.13	9.61	10.74	9.35	85.5	
Q1892-02	MH-G-EPH	31	1.15	10.29	11.44	9.98	85.8	
Q1892-03	MH-G-VOC	32	1.18	10.45	11.63	9.82	82.7	
Q1892-05	MH-H	33	1.14	9.66	10.8	9.92	90.9	
Q1892-06	MH-H-EPH	34	1.12	10.66	11.78	10.68	89.7	
Q1892-07	MH-H-VOC	35	1.18	10.19	11.37	10.28	89.3	
Q1892-09	MH-U2	36	1.18	10.04	11.22	9.96	87.5	
Q1892-10	MH-U2-EPH	37	1.19	10.34	11.53	10.04	85.6	
Q1892-11	MH-U2-VOC	38	1.18	10.22	11.4	10.14	87.7	
Q1893-01	UGGP-1	39	1.00	1.00	2.00	2.00	100.0	TAR SAMPLE
Q1893-02	UGGP-2	40	1.00	1.00	2.00	2.00	100.0	TAR SAMPLE
Q1893-03	INTERIOR-1	41	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1893-04	INTERIOR-2	42	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1893-05	INTERIOR-3	43	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1893-06	INTERIOR-4	44	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1893-07	EXTERIOR-1	45	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1895-01	COMP-1	55	1.14	10.58	11.72	10.97	92.9	
Q1895-03	COMP-2	56	1.14	10.77	11.91	10.96	91.2	
Q1895-05	COMP-3	57	1.18	10.06	11.24	10.56	93.2	
Q1896-01	295-BERGEN-RO	58	1.14	11.31	12.45	10.91	86.4	
Q1896-02	295-BERGEN-RO	59	1.18	10.01	11.19	9.9	87.1	
Q1898-01	41525A	60	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1898-02	41525B	61	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1898-03	42525A	62	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1898-04	42525B	63	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1900-01	WC-1	46	1.14	9.98	11.12	9.56	84.4	
Q1900-02	WC-1-EPH	47	1.14	10.35	11.49	10.19	87.4	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/28/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 04/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:37
Out Date: 04/26/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135558

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1900-03	WC-1-VOC	48	1.14	10.01	11.15	9.73	85.8	
Q1900-05	WC-2	49	1.19	8.82	10.01	8.76	85.8	
Q1900-06	WC-2-EPH	50	1.19	10.08	11.27	9.76	85.0	
Q1900-07	WC-2-VOC	51	1.17	10.79	11.96	10.33	84.9	
Q1900-09	WC-3	52	1.14	9.61	10.75	9.32	85.1	
Q1900-10	WC-3-EPH	53	1.12	10.38	11.5	9.11	77.0	
Q1900-11	WC-3-VOC	54	1.19	10.71	11.9	10.39	85.9	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

LB135558

WorkList Name : %1-042525 **WorkList ID :** 189135 **Department :** Wet-Chemistry **Date :** 04-25-2025 08:09:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1883-01	OU4-PCS-TC-27-042325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	04/23/2025	Chemtech -SO
Q1883-03	OU4-PCS-TC-28-042325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	04/23/2025	Chemtech -SO
Q1883-05	OU4-PCS-TC-29-042325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	04/23/2025	Chemtech -SO
Q1883-07	OU4-PCS-TC-30-042325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	04/23/2025	Chemtech -SO
Q1883-09	OU4-PCS-TC-31-042325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	04/23/2025	Chemtech -SO
Q1883-11	OU4-PCS-TC-32-042325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	04/23/2025	Chemtech -SO
Q1883-13	OU4-PCS-18-042325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	04/23/2025	Chemtech -SO
Q1883-15	OU4-PCS-19-042325	Solid	Percent Solids	Cool 4 deg C	NOBI03	L41	04/23/2025	Chemtech -SO
Q1884-01	P001-SS037-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	L51	04/24/2025	Chemtech -SO
Q1884-02	P001-SS038-01	Solid	Percent Solids	Cool 4 deg C	ROYF02	L51	04/24/2025	Chemtech -SO
Q1888-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1888-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1888-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1888-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1888-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1888-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1888-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1888-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1888-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1888-14	PCB-GCP2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L31	04/18/2025	Chemtech -SO
Q1889-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	POWE02	L51	04/24/2025	Chemtech -SO

Date/Time 04/25/25 15:20

Raw Sample Received by: JD (WC)

Raw Sample Relinquished by: JD (CSM)

Date/Time 04/25/25 17:30

Raw Sample Received by: JD (CSM)

Raw Sample Relinquished by: JD (WC)

WORKLIST(Hardcopy Internal Chain)

LB 135558

WorkList Name : %1-042525 **WorkList ID :** 189135 **Department :** Wet-Chemistry **Date :** 04-25-2025 08:09:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1889-02	COMP-2	Solid	Percent Solids	Cool 4 deg C	POWE02	L51	04/24/2025	Chemtech -SO
Q1889-03	COMP-3	Solid	Percent Solids	Cool 4 deg C	POWE02	L51	04/24/2025	Chemtech -SO
Q1891-01	MH-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1891-02	MH-C-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1891-03	MH-C-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1891-05	MH-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1891-06	MH-D-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1891-07	MH-D-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1892-01	MH-G	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1892-02	MH-G-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1892-03	MH-G-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1892-05	MH-H	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1892-06	MH-H-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1892-07	MH-H-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1892-09	MH-U2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/24/2025	Chemtech -SO
Q1892-10	MH-U2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/25/2025	Chemtech -SO
Q1892-11	MH-U2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/25/2025	Chemtech -SO
Q1893-01	UGGP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	04/25/2025	Chemtech -SO
Q1893-02	UGGP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1893-03	INTERIOR-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1893-04	INTERIOR-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO

Date/Time 04/25/25 1520

Raw Sample Received by: JD (wl U)

Raw Sample Relinquished by: JD CSM

Date/Time 04/25/25 1730

Raw Sample Received by: JD CSM

Raw Sample Relinquished by: JD (wl C)

WORKLIST(Hardcopy Internal Chain)

VR 135558

WorkList Name : %1-042525 **WorkList ID :** 189135 **Department :** Wet-Chemistry **Date :** 04-25-2025 08:09:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1893-05	INTERIOR-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1893-06	INTERIOR-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1893-07	EXTERIOR-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1895-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1895-03	COMP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1895-05	COMP-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1896-01	295-BERGEN-RO	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1896-02	295-BERGEN-RO	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/25/2025	Chemtech -SO
Q1898-01	41525A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/25/2025	Chemtech -SO
Q1898-02	41525B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	04/25/2025	Chemtech -SO
Q1898-03	42525A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	04/25/2025	Chemtech -SO
Q1898-04	42525B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	04/25/2025	Chemtech -SO
Q1900-01	WC-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	04/25/2025	Chemtech -SO
Q1900-02	WC-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1900-03	WC-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1900-05	WC-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1900-06	WC-2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1900-07	WC-2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1900-09	WC-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1900-10	WC-3-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO
Q1900-11	WC-3-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/25/2025	Chemtech -SO

Date/Time 04/23/25 13:20

Raw Sample Received by: JD WEC

Raw Sample Relinquished by: JD CSM

Date/Time 04/25/25 17:30

Raw Sample Received by: JD CSM

Raw Sample Relinquished by: JD WEC

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167767

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: EH

Extraction By: RJ

Balance check: RJ

Filter By: RJ

Balance ID: EX-SC-2

pH Meter ID: N/A

pH Strip Lot#: N/A

Hood ID: 3,7

Extraction Start Date : 04/28/2025

Extraction Start Time : 09:45

Extraction End Date : 04/28/2025

Extraction End Time : 12:45

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6752
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
MeCl2/Acetone/1:1	N/A	EP2600
Baked Na2SO4	N/A	EP2607
Sand	N/A	EP2865
Methylene Chloride	N/A	E3926
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210443.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
4/28/25	RS (Ext-lab)	RC/SVOC
12:50	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167767

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 04/28/2025

Sample ID	Client Sample ID	Test	(g)/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167767BL	SBLK767	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1			U2-1
PB167767BS	SLCS767	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			2
Q1883-01	OU4-PCS-TC-27-042325	SVOCMS Group3	30.07	N/A	ritesh	Evelyn	1	E		3
Q1883-03	OU4-PCS-TC-28-042325	SVOCMS Group3	30.06	N/A	ritesh	Evelyn	1	E		4
Q1883-05	OU4-PCS-TC-29-042325	SVOCMS Group3	30.02	N/A	ritesh	Evelyn	1	E		5
Q1883-07	OU4-PCS-TC-30-042325	SVOCMS Group3	30.05	N/A	ritesh	Evelyn	1	E		6
Q1883-09	OU4-PCS-TC-31-042325	SVOCMS Group3	30.04	N/A	ritesh	Evelyn	1	E		U3-1
Q1883-11	OU4-PCS-TC-32-042325	SVOCMS Group3	30.06	N/A	ritesh	Evelyn	1	E		2
Q1883-13	OU4-~~PCS~~-18-042325 VSL	SVOCMS Group3	30.04	N/A	ritesh	Evelyn	1	E		3
Q1883-15	OU4-~~PCS~~-19-042325 VSL	SVOCMS Group3	30.05	N/A	ritesh	Evelyn	1	E		4
Q1889-01	COMP-1	SVOCMS Group1	30.07	N/A	ritesh	Evelyn	1	E		5
Q1889-02	COMP-2	SVOCMS Group1	30.02	N/A	ritesh	Evelyn	1	E		6
Q1889-02MS	COMP-2MS	SVOCMS Group1	30.08	N/A	ritesh	Evelyn	1	E		U6-1
Q1889-02MS D	COMP-2MSD	SVOCMS Group1	30.05	N/A	ritesh	Evelyn	1	E		2
Q1889-03	COMP-3	SVOCMS Group1	30.03	N/A	ritesh	Evelyn	1	E		3
Q1891-01	MH-C	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	E		4
Q1891-05	MH-D	SVOC-TCL BNA -20	50.03	N/A	ritesh	Evelyn	1	E		5
Q1892-01	MH-G	SVOC-TCL BNA -20	50.01	N/A	ritesh	Evelyn	1	E		6
Q1892-05	MH-H	SVOC-TCL BNA -20	50.08	N/A	ritesh	Evelyn	1	E		U1-1
Q1892-09	MH-U2	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	E		2
Q1895-01	COMP-1	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	E		3
Q1895-03	COMP-2	SVOC-TCL BNA -20	50.03	N/A	ritesh	Evelyn	1	E		4
Q1895-05	COMP-3	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	E		5
Q1896-01	295-BERGEN-RO	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	E		6

RJ 4/28

RJ 4/28

* **Extracts relinquished on the same date as received.**

Q1883-SVOCMS Group3

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1892 **WorkList ID :** 189183 **Department :** Extraction **Date :** 04-28-2025 09:22:01

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1883-01	OU4-PCS-TC-27-042325	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	L41	04/23/2025	8270E
Q1883-03	OU4-PCS-TC-28-042325	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	L41	04/23/2025	8270E
Q1883-05	OU4-PCS-TC-29-042325	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	L41	04/23/2025	8270E
Q1883-07	OU4-PCS-TC-30-042325	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	L41	04/23/2025	8270E
Q1883-09	OU4-PCS-TC-31-042325	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	L41	04/23/2025	8270E
Q1883-11	OU4-PCS-TC-32-042325	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	L41	04/23/2025	8270E
Q1883-13	OU4-PCS-18-042325	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	L41	04/23/2025	8270E
Q1883-15	OU4-PCS-19-042325	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	L41	04/23/2025	8270E
Q1889-01	COMP-1	Solid	SVOCMS Group1	Cool 4 deg C	POWE02	L51	04/24/2025	8270E
Q1889-02	COMP-2	Solid	SVOCMS Group1	Cool 4 deg C	POWE02	L51	04/24/2025	8270E
Q1889-03	COMP-3	Solid	SVOCMS Group1	Cool 4 deg C	POWE02	L51	04/24/2025	8270E
Q1891-01	MH-C	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	04/25/2025	8270E
Q1891-05	MH-D	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	04/25/2025	8270E
Q1892-01	MH-G	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L51	04/24/2025	8270E
Q1892-05	MH-H	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L51	04/24/2025	8270E
Q1892-09	MH-U2	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L51	04/25/2025	8270E
Q1895-01	COMP-1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	04/25/2025	8270E
Q1895-03	COMP-2	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	04/25/2025	8270E
Q1895-05	COMP-3	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	04/25/2025	8270E
Q1896-01	295-BERGEN-RO	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L31	04/25/2025	8270E

Date/Time 4/28/25 9:40
Raw Sample Received by: RJ (Ext-lab)
Raw Sample Relinquished by:

Date/Time 4/28/25 10:20
Raw Sample Received by:
Raw Sample Relinquished by: RJ (Ext-lab)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167836

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RS

Filter By: EH

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 05/02/2025

Extraction Start Time : 10:10

Extraction End Date : 05/02/2025

Extraction End Time : 13:10

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6752
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
MeCl2/Acetone/1:1	N/A	EP2600
Baked Na2SO4	N/A	EP2607
Sand	N/A	EP2865
Methylene Chloride	N/A	E3926
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210443.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/2/25	RS (Ext lab)	RC / SVOC
13:15	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167836

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 05/02/2025

Sample ID	Client Sample ID	Test	g mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167836BL	SBLK836	SVOC-TCL BNA -20	30.01	N/A	RUPESH	Evelyn	1			U1-1
PB167836BS	SLCS836	SVOC-TCL BNA -20	30.02	N/A	RUPESH	Evelyn	1			2
Q1883-05	OU4-PCS-TC-29-042325	SVOCMS Group3	30.05	N/A	RUPESH	Evelyn	1	E		3
Q1928-01	MH-Q	SVOC-TCL BNA -20	50.07	N/A	RUPESH	Evelyn	1	E		4
Q1928-01MS	MH-QMS	SVOC-TCL BNA -20	50.04	N/A	RUPESH	Evelyn	1	E		5
Q1928-01MSD	MH-QMSD	SVOC-TCL BNA -20	50.02	N/A	RUPESH	Evelyn	1	E		6
Q1932-01	COMP-4	SVOC-TCL BNA -20	50.03	N/A	RUPESH	Evelyn	1	F		U2-1
Q1932-03	COMP-5	SVOC-TCL BNA -20	50.01	N/A	RUPESH	Evelyn	1	E		2
Q1932-05	COMP-6	SVOC-TCL BNA -20	50.05	N/A	RUPESH	Evelyn	1	F		3
Q1932-07	COMP-7	SVOC-TCL BNA -20	50.02	N/A	RUPESH	Evelyn	1	F		4
Q1933-01	OK-01-050125	SVOC-TCL BNA -20	50.06	N/A	RUPESH	Evelyn	1	E		5
Q1935-01	MH-NN	SVOC-TCL BNA -20	50.04	N/A	RUPESH	Evelyn	1	D		6
Q1935-05	MH-MM	SVOC-TCL BNA -20	50.09	N/A	RUPESH	Evelyn	1	D		U5-1

RS 5/2

* **Extracts relinguished on the same date as received.**

CHEMTECH

284 Sheffield Street, Mountainside NJ 07092

RE-EXTRACTION NOTIFICATION

DATE: 05/01/25 Initiated by: RC

Fraction: SVOC

Reason: ✓ Low Surrogate Recovery

____ Other _____

Samples affected:	Matrix	Sample Date	Prep. Batch	Extra Sample Yes No	Verified By	New Prep. Batch
Q1883-05	Solid	Apr 25	PB167767	YES	RS	PB167836

Extraction Supervisor Signature: RS Date: 05/02/25

Form Initiator's Signature: RC Date: 05/01/25

QA Control # A3041248

09/23/24
Page 17

Q1883-SVOCMS Group3

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1935 **WorkList ID :** 189285 **Department :** Extraction **Date :** 05-02-2025 09:07:30

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1883-05	OU4-PCS-TC-29-042325	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	L41	04/23/2025	8270E
Q1928-01	MH-Q	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	05/01/2025	8270E
Q1932-01	COMP-4	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	05/01/2025	8270E
Q1932-03	COMP-5	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	05/01/2025	8270E
Q1932-05	COMP-6	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	05/01/2025	8270E
Q1932-07	COMP-7	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	05/01/2025	8270E
Q1933-01	OK-01-050125	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	L31	05/01/2025	8270E
Q1935-01	MH-NN	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	05/01/2025	8270E
Q1935-05	MH-MM	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	05/01/2025	8270E

Date/Time 5/2/25 10:05
Raw Sample Received by: RS (Ext-Lab)
Raw Sample Relinquished by: CP SM

Date/Time 5/2/25 10:35
Raw Sample Received by: CP SM
Raw Sample Relinquished by: RS (Ext-Lab)

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Prep Standard - Chemical Standard Summary

Order ID : Q1883

Test : SVOCMS Group3

Prepbatch ID : PB167767,PB167836,

Sequence ID/Qc Batch ID: BM043025,BP050525,BP050725,

Standard ID :
EP2600,EP2607,EP2865,SP6721,SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729,SP6752,SP6754,SP6757,SP6769,SP6770,

Chemical ID :
10ul/1000ul sample,E3551,E3874,E3876,E3902,E3904,E3917,E3926,S10104,S10397,S10584,S11087,S11143,S11161,S11487,S11495,S11650,S11785,S11786,S11787,S11788,S12114,S12190,S12191,S12192,S12193,S12194,S12195,S12209,S12210,S12211,S12212,S12213,S12214,S12215,S12216,S12270,S12276,S12478,S12479,S12480,S12481,S12482,S12483,S12484,S12485,S12486,S12525,S12526,S12527,S12528,S12529,S12530,S12531,S12532,S12533,S12534,S12577,S12649,S12658,S12661,S12662,S12663,S12791,S12966,S12967,S12968,S12969,S12970,S12971,S12972,S12973,S12974,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2017	1:1 ACETONE/METHYLENE CHLORIDE	EP2600	04/07/2025	10/03/2025	Rajesh Parikh	None	None	Riteshkumar Patel 04/07/2025

FROM 8000.00000ml of E3904 + 8000.00000ml of E3917 = Final Quantity: 16000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2607	04/25/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 04/25/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3764	8270/625 Stock solution 100 ng	SP6721	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.26700ml of S10104 + 0.40000ml of S11495 + 0.50000ml of S12114 + 1.00000ml of S11087 + 1.00000ml of S11161 + 1.00000ml of S12270 + 1.00000ml of S12276 + 1.00000ml of S12791 + 3.83300ml of E3874 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
413	80 ng BNA ICC, 80 PPM	SP6722	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.20000ml of E3874 + 0.80000ml of SP6721 = 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
412	60 ng BNA ICC, 60 PPM	SP6723	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.40000ml of E3874 + 0.60000ml of SP6721 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
411	50 ng BNA ICC, 50 PPM	SP6724	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.50000ml of E3874 + 0.50000ml of SP6721 = 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
410	40 ng BNA ICC, 40 PPM	SP6725	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.60000ml of E3874 + 0.40000ml of SP6721 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3678	20 ng BNA ICC, 20 PPM	SP6726	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.80000ml of E3874 + 0.20000ml of SP6721 = 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	SP6727	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.90000ml of E3874 + 0.10000ml of SP6721 = 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	SP6728	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.95000ml of E3874 + 0.05000ml of SP6721 = 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
175	2.5 ng BNA ICC, 2.5 PPM	SP6729	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.50000ml of E3874 + 0.50000ml of SP6728 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
171	8270/625 Spike Solution, 50/100 PPM	SP6752	03/10/2025	05/31/2025	Rahul Chavli	None	None	Yogesh Patel 04/03/2025

FROM 0.10000ml of S12478 + 0.30000ml of S12525 + 0.40000ml of S10397 + 0.40000ml of S10584 + 0.40000ml of S11143 + 0.40000ml of S11487 + 0.40000ml of S11650 + 0.40000ml of S12533 + 0.40000ml of S12974 + 0.60000ml of S12486 + 0.80000ml of S12966 + 1.10000ml of S11788 + 1.20000ml of S11785 + 1.20000ml of S12483 + 1.20000ml of S12526 + 1.20000ml of S12967 + 1.20000ml of S12968 + 1.20000ml of S12970 + 1.20000ml of S12972 + 1.30000ml of S11786 + 1.30000ml of S12481 + 1.30000ml of S12482 + 1.30000ml of S12484 + 1.30000ml of S12528 + 1.30000ml of S12529 + 1.30000ml of S12531 + 1.30000ml of S12969 + 1.30000ml of S12973 + 1.40000ml of S11787 + 1.40000ml of S12479 + 1.40000ml of S12480 + 1.40000ml of S12485 + 1.40000ml of S12527 + 1.40000ml of S12530 + 1.40000ml of S12532 + 1.40000ml of S12971 + 163.00000ml of E3876 = Final Quantity: 200.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
19	8270/CLP Surrogate Solution, 100 PPM BN/150 PPM ACID	SP6754	03/18/2025	09/18/2025	Rahul Chavli	None	None	Yogesh Patel 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

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	Yogesh Patel 04/01/2025

FROM 1.00000ml of S12577 + 19.00000ml of E3904 = Final Quantity: 20.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
18	Second Source Calibration Stock Standard, 100 PPM, (8270/625/CLP)	SP6769	04/10/2025	09/10/2025	Jagrut Upadhyay	None	None	Sohil Jodhani 04/16/2025

FROM 0.04000ml of S12195 + 0.08000ml of S12216 + 0.10000ml of S11788 + 0.20000ml of S12486 + 0.20000ml of S12534 + 0.20000ml of S12974 + 1.18000ml of E3926 = Final Quantity: 2.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
416	40 ng BNA ICV, 40 PPM	SP6770	04/10/2025	09/10/2025	Jagrut Upadhyay	None	None	Sohil Jodhani 04/16/2025

FROM 0.01000ml of S12658 + 0.60000ml of E3926 + 0.40000ml of SP6769 = 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	07/01/2025	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 #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	07/30/2025	01/30/2025 / Rajesh	01/20/2025 / Rajesh	E3874

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	08/25/2025	02/25/2025 /	02/12/2025 / Rajesh	E3876

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 /	12/27/2024 / RUPESH	E3904

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	10/03/2025	04/03/2025 / Rajesh	03/31/2025 / Rajesh	E3917

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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)	25A0262002	10/08/2025	04/08/2025 / Rajesh	02/07/2025 / Rajesh	E3926

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	555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4]	A0185300	05/31/2025	01/29/2025 / anahy	05/18/2022 / Christian	S10397

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 #
CPI International	Z-010074-07 / 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 ml, (Maximum Expiration: 180 days)	406703	07/30/2025	01/30/2025 / anahy	02/07/2023 / Christian	S11087

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]	A0194702	07/29/2025	01/29/2025 / anahy	02/20/2023 / Christian	S11143

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CHEMICAL RECEIPT LOG BOOK

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	01/30/2025 / anahy	03/06/2023 / Christian	S11161

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	05/12/2025	11/12/2024 / Jagrut	08/11/2023 / Yogesh	S11495

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	A0196453	07/29/2025	01/29/2025 / anahy	11/21/2023 / Rahul	S11785

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	09/10/2025	03/10/2025 / anahy	11/21/2023 / Rahul	S11786

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	09/10/2025	03/10/2025 / anahy	11/21/2023 / Rahul	S11787

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	09/10/2025	03/10/2025 / anahy	11/21/2023 / Rahul	S11788

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	05/12/2025	11/12/2024 / Jagrut	03/08/2024 / Rahul	S12114

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

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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	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

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

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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	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

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	07/30/2025	01/30/2025 / anahy	05/24/2024 / Rahul	S12270

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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-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	05/12/2025	11/12/2024 / Jagrut	05/24/2024 / Rahul	S12276

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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12478

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	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12479

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	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12480

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	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12481

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	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12482

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12483

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	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12484

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	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12485

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	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12486

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12525

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	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12526

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12527

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	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12528

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	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12529

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	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12530

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	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12531

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	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12532

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12533

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	10/10/2025	04/10/2025 / Jagrut	07/23/2024 / RAHUL	S12534

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	07/21/2025	01/21/2025 / anahy	09/20/2024 / anahy	S12649

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	04/30/2030	04/07/2025 / anahy	09/20/2024 / anahy	S12658

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	10/25/2025	04/25/2025 / Rahul	09/20/2024 / anahy	S12661

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	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	11/07/2025	05/07/2025 / Rahul	09/20/2024 / anahy	S12663

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	01/30/2025 / anahy	05/24/2024 / Rahul	S12791

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	07/29/2025	01/29/2025 / anahy	12/11/2024 / anahy	S12966

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	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12967

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	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12968

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12969

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	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12970

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	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12971

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	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12972

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	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12973

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	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12974

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
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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-010074-07	406703	≤ -10 °C	Methylene Chloride	3/30/2025	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	99.5	74.3.26P	989 ± 7.53

Received on
02/07/23
by
CG

S11084
to
S11088

*Not a certified value

Certified By: _____
Jacob Mulloy
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 gravimetricllly.

CPI INTERNATIONAL

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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

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Date Received: _____

Certificate of Analysis

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
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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 05/19/22
S10393 to S10402

Catalog No. : 555871 **Lot No.:** A0185300

Description : Custom 4-Nitrophenol Standard

Custom 4-Nitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2025 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	4-Nitrophenol	25,060.0 µg/mL	+/- 231.9100 µg/mL	Gravimetric
	CAS # 100-02-7 (Lot MKCN1089)		+/- 753.2622 µg/mL	Unstressed
	Purity 99%		+/- 905.6020 µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Katelyn McGinnis - Operations Tech I

Date Mixed: 16-May-2022 **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 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
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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 S 10583 to S 10592

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: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555869 **Lot No.:** A0194702

Description : Custom Hexachlorocyclopentadiene Standard

Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)
1	Hexachlorocyclopentadiene	77-47-4	0012019	99%	25,008.0 µg/mL

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 15-Feb-2023 **Balance:** B442140311

Manufactured under Restek Registered Quality Certificate #FM

tified Reference Material Notes

tes:

n date valid for unopened ampul stored in compliance with the recommended conditions.

nty, concentration, and expiration of the CRM are based on the unopened product being stored according to the ended condition found in the storage field.

d/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, LC/MS, RI, and/or melting point.

nds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A n factor is used to calculate the amount of compound necessary to achieve the desired concentration of the ompound in solution.

isomeric compounds is reported as the sum of the isomers.

lues are rounded to the nearest whole number.

rtainty Value Notes:

rtainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded ty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability ty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

erage factor of 2, which gives a level of confidence of approximately 95%.

ged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure nimum packaged amount can be sufficiently transferred.

Notes:

tion is based upon gravimetric preparation using either a balance whose calibration has been verified daily traceable weights, and/or dilutions with Class A glassware.

:

the unopened product, when stored in compliance with the recommended conditions, is guaranteed through ion displayed on the product label and certificate. Contact Restek for additional opened product stability ı, with the knowledge/understanding that open product stability is subject to the specific handling and ntal conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with ards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom m. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, des complete instructions.

ssolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely

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 RI on 7/24/23 E3551

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

E 3874

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: PO2-798 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

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

Recd. by RP on 03/31/25

E3917

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

PO: PO2-1308 PRODUCT CODE: SHIP DATE: 2/7/25

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

E 3926

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

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555870 **Lot No.:** A0200549

Description : Custom 2,4-Dinitrophenol Standard

Custom 2,4-Dinitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

S11484 ↓ S11493 Y.P. 08/10/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	25,008.0 µg/mL	+/- 777.3323

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 02-Aug-2023 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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-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.

RESTEK
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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. : 555872 **Lot No.:** A0201728

Description : Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

511649 ↓ 511658 Y.P. 11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP230530RSR	99%	25,000.0 µg/mL	+/- 777.0837

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Josh McCloskey - Operations Technician I

Date Mixed: 05-Sep-2023 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

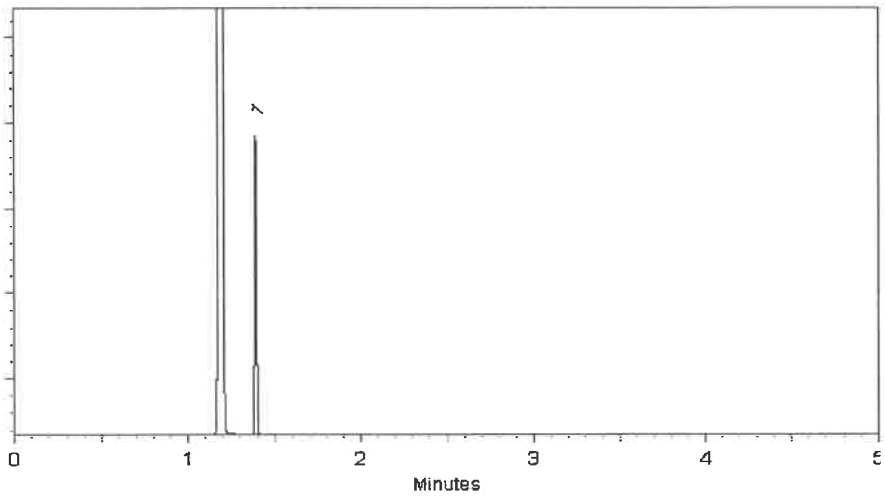
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

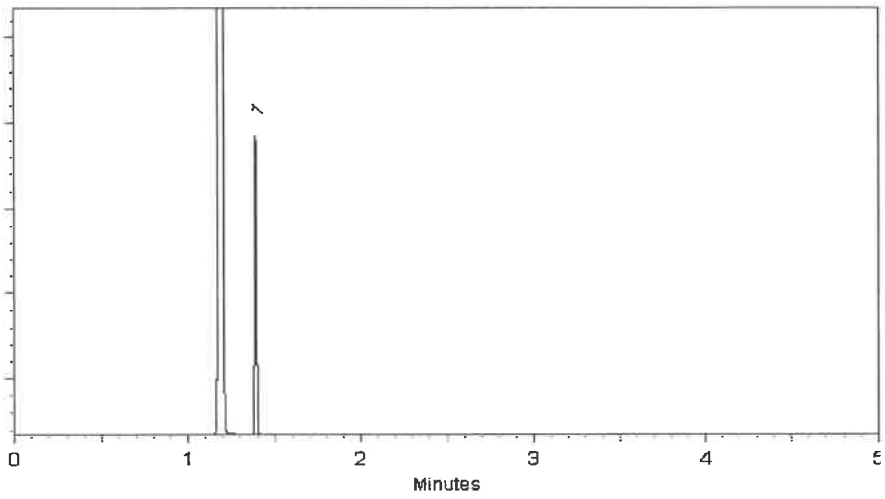
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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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

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

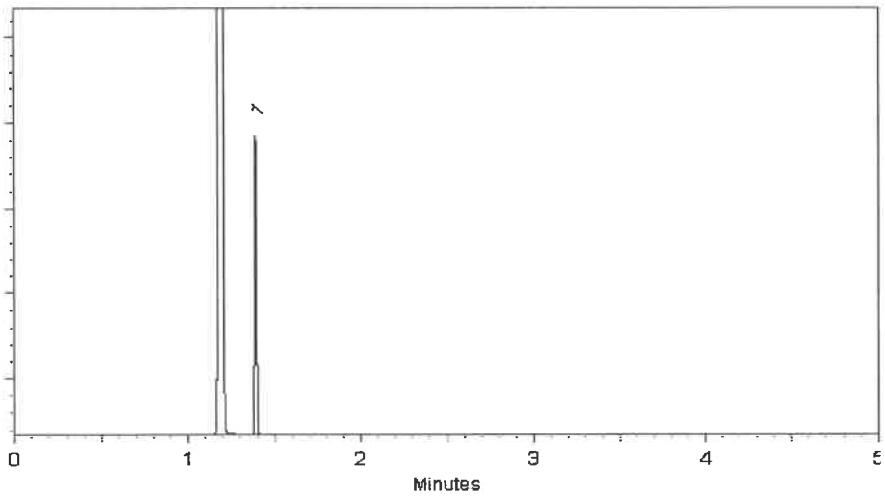
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

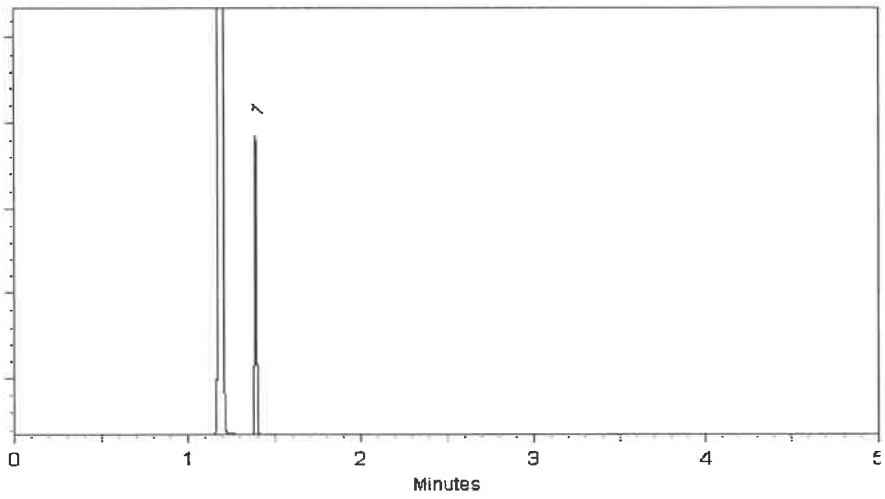
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CPI INTERNATIONAL

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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-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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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.)

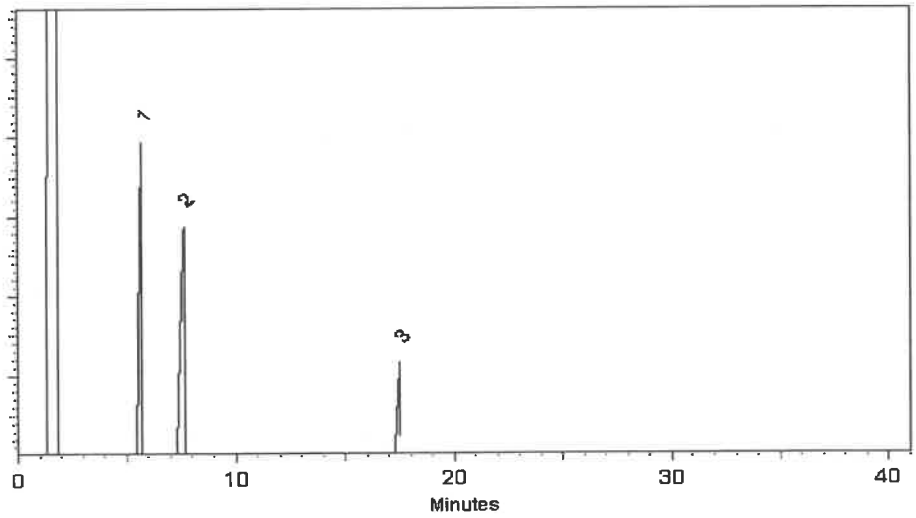
Inj. Temp:
250°C

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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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.)

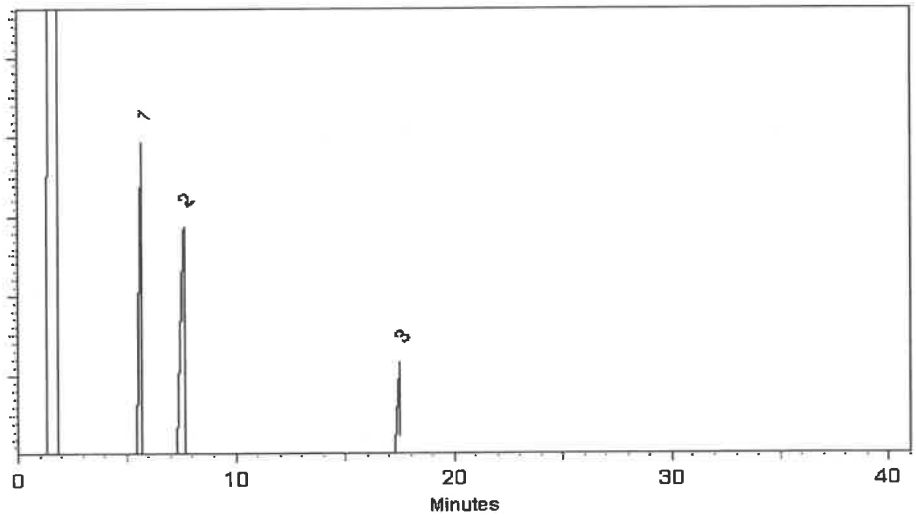
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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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

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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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.)

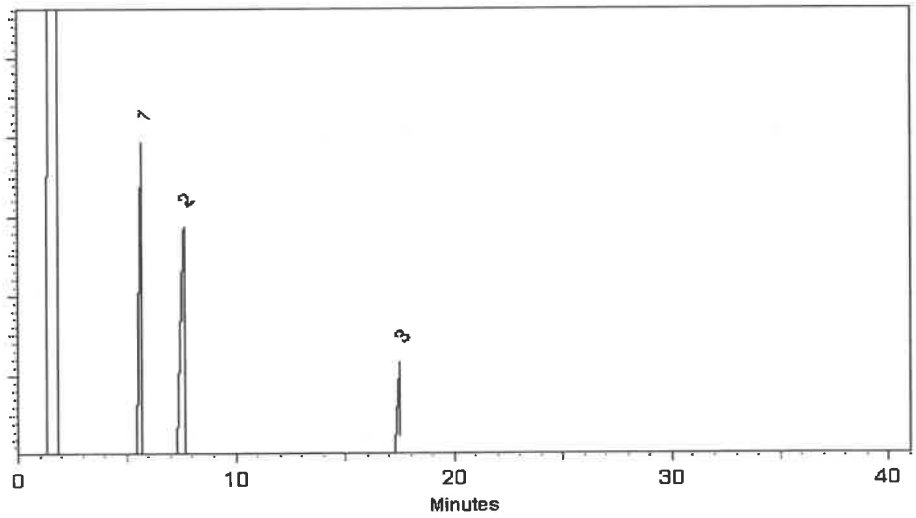
Inj. Temp:
250°C

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

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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.)

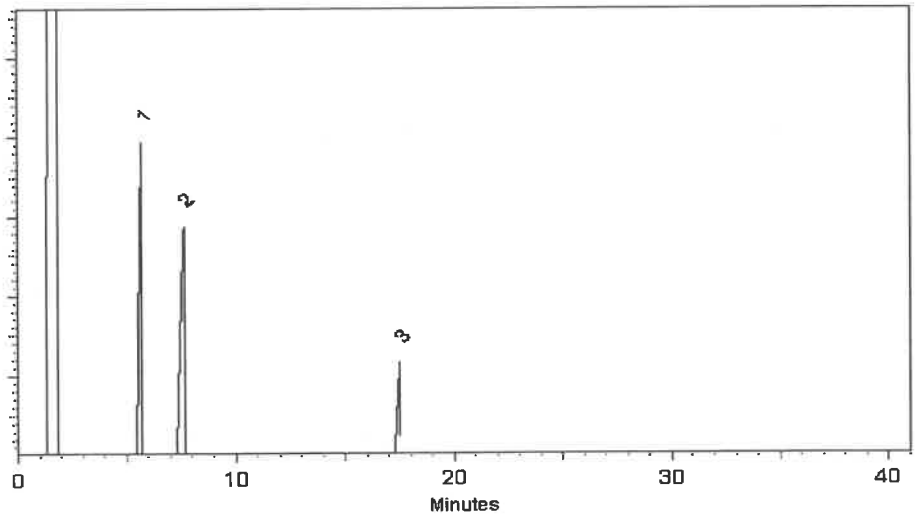
Inj. Temp:
250°C

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

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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
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.)

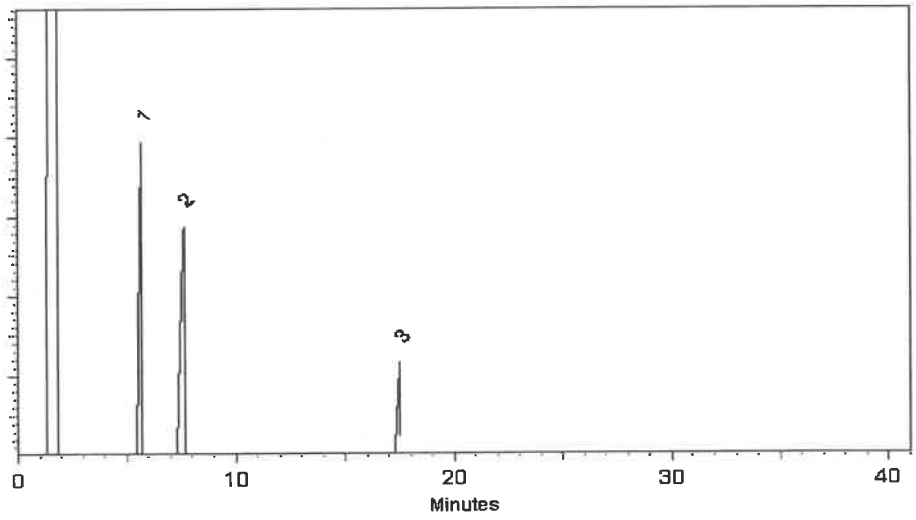
Inj. Temp:
250°C

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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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

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.)

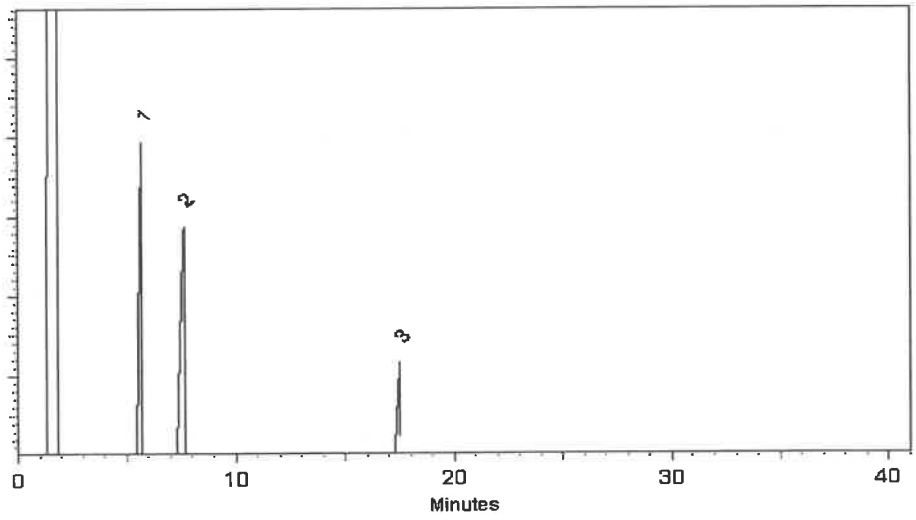
Inj. Temp:
250°C

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

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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.)

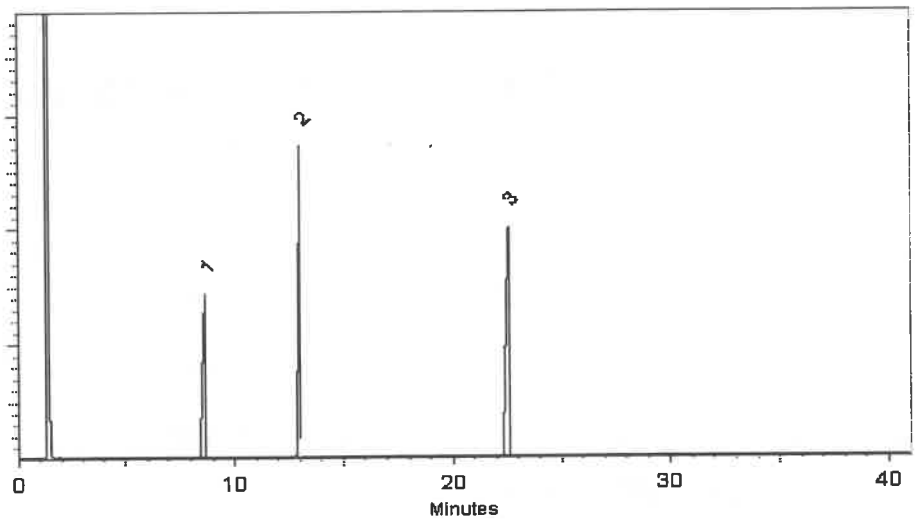
Inj. Temp:
250°C

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

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chromatographic plus

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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.)

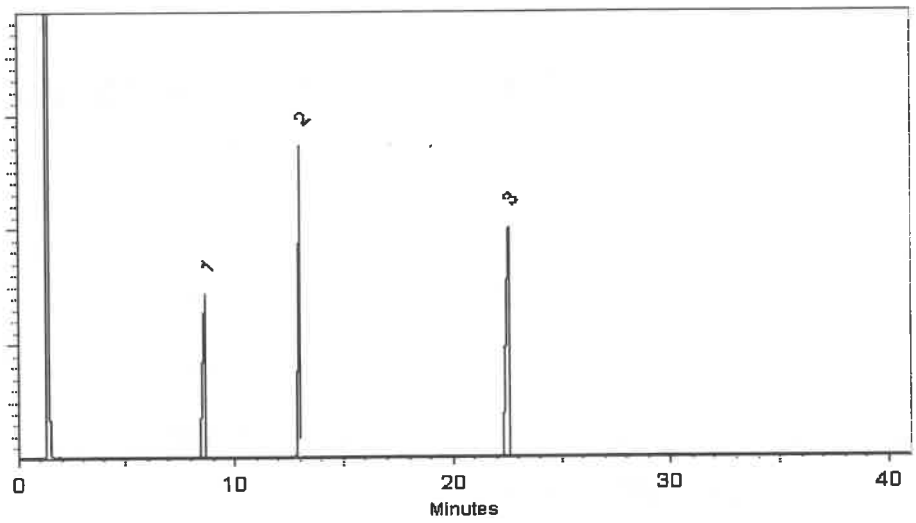
Inj. Temp:
250°C

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

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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.)

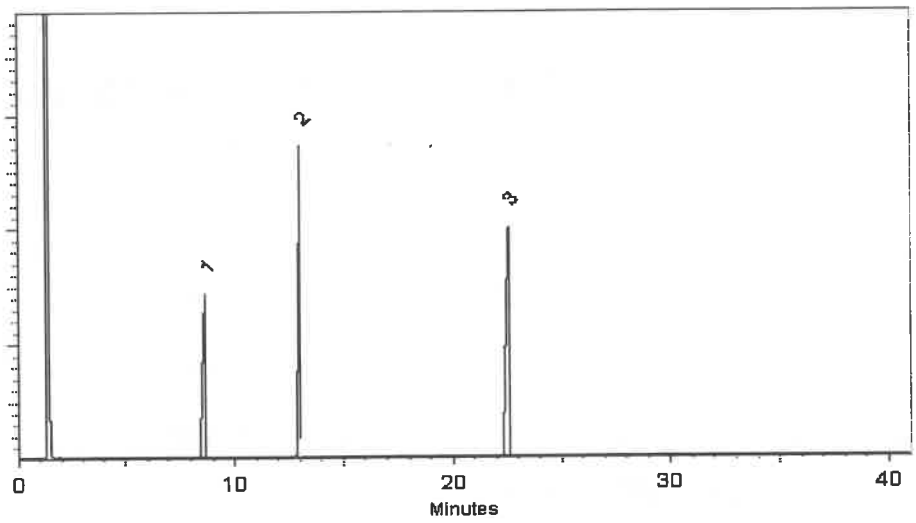
Inj. Temp:
250°C

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

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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.)

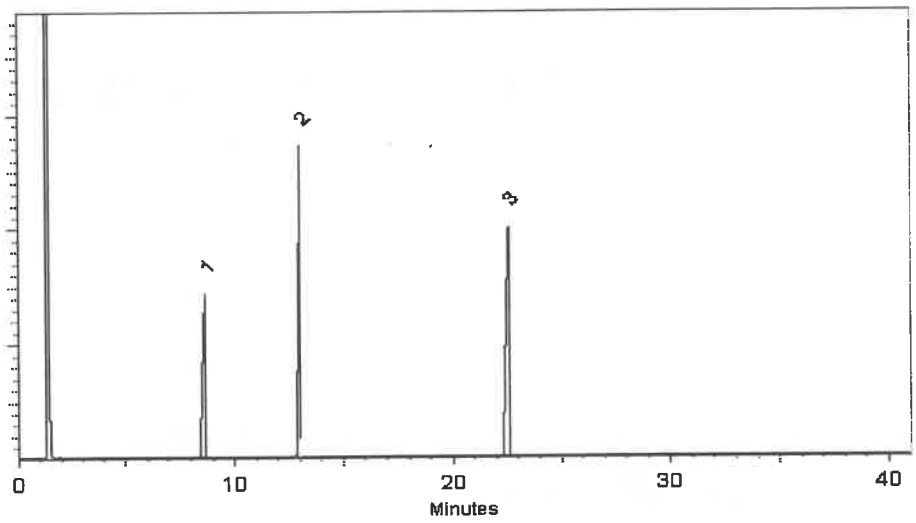
Inj. Temp:
250°C

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.)

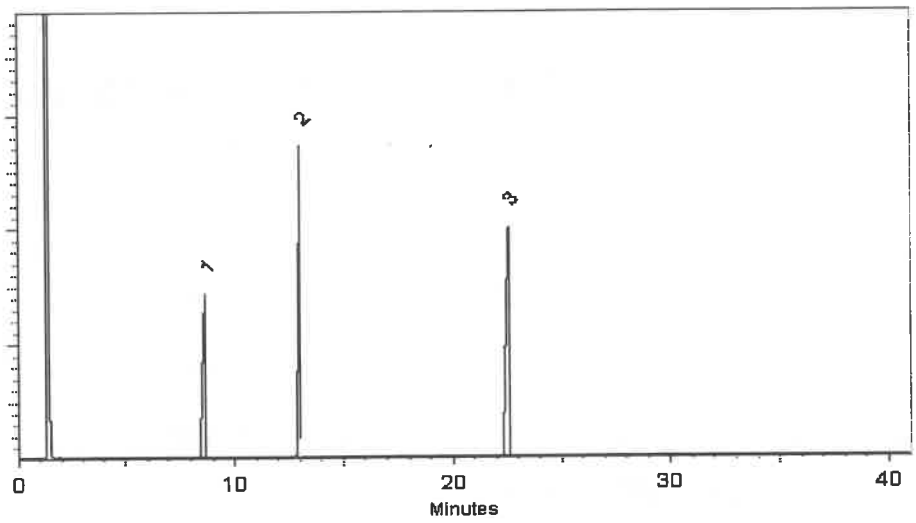
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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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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Certificate of Analysis

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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
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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.)

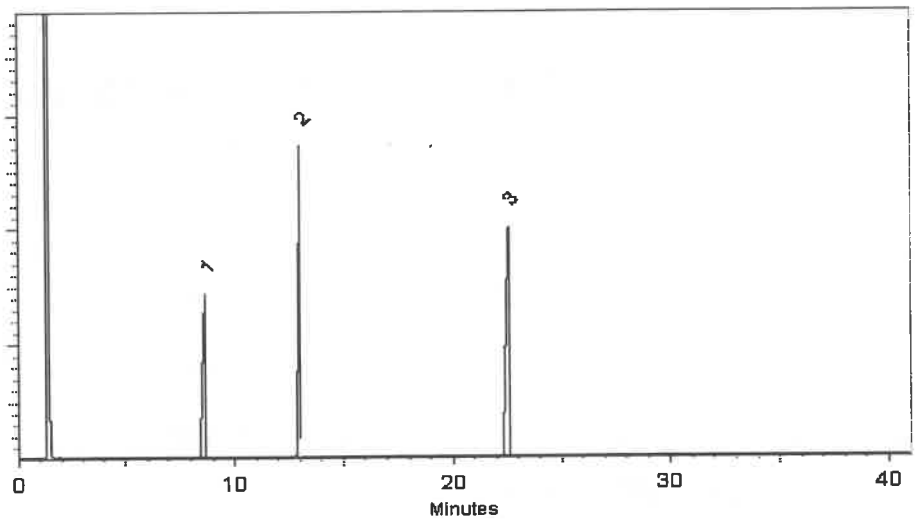
Inj. Temp:
250°C

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

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Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

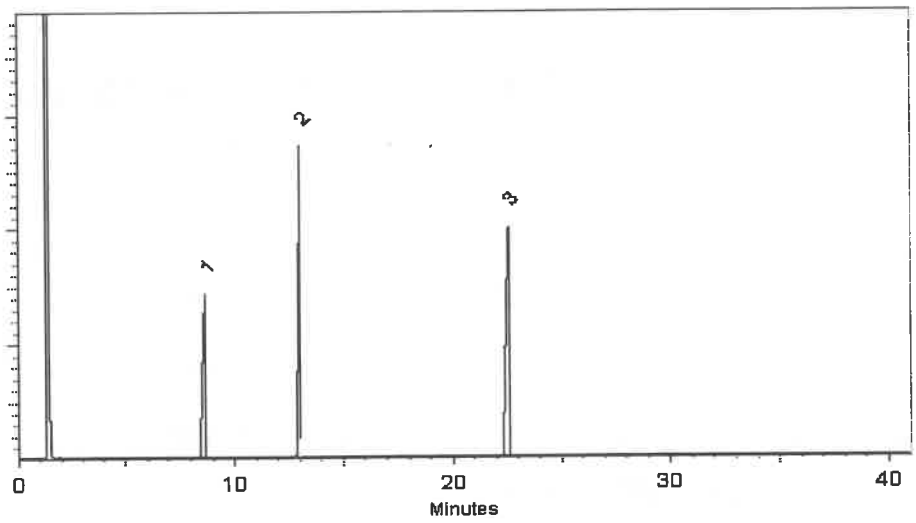
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

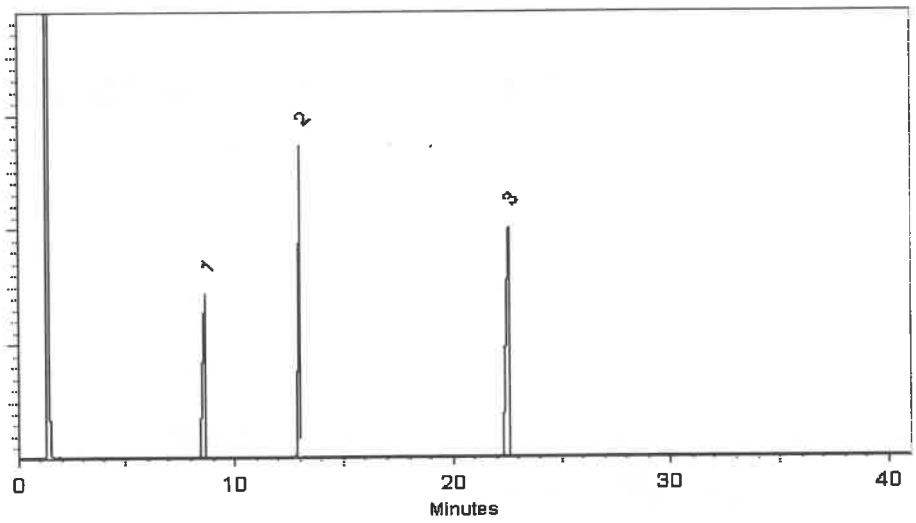
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

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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

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
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

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
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

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

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CPI INTERNATIONAL

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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-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

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 gravimetricllly.

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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

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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110 Benner Circle
Bellefonte, PA 16823-8812
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Certificate of Analysis

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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:

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- Purity of isomeric compounds is reported as the sum of the isomers.
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Handling Notes:

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gravimetric

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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:

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- 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.

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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:

- 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

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

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Certificate of Analysis

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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
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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:

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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
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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

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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)
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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

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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

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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
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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:

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** 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:

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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:

- 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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RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
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- 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:

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Description : Custom 8270 Plus Standard #2

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Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

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Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

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CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

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Solvent: Methylene chloride
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Expiration Date : July 31, 2026 **Storage:** 10°C or colder

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CERTIFIED VALUES

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General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate of Analysis

gravimetric

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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.
- 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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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Certificate of Analysis

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31615 **Lot No.:** A0212955

Description : GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2027 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,004.5 µg/mL	+/- 44.8902
2	DFTPP (Decafluorotriphenylphosphine)	5074-71-5	Q117-147	99%	1,004.5 µg/mL	+/- 44.8902
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 44.9572
4	4,4'-DDT	50-29-3	S240530RSR	97%	1,000.1 µg/mL	+/- 44.6922

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12577 ↓ S12579 RC 8/2/24

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

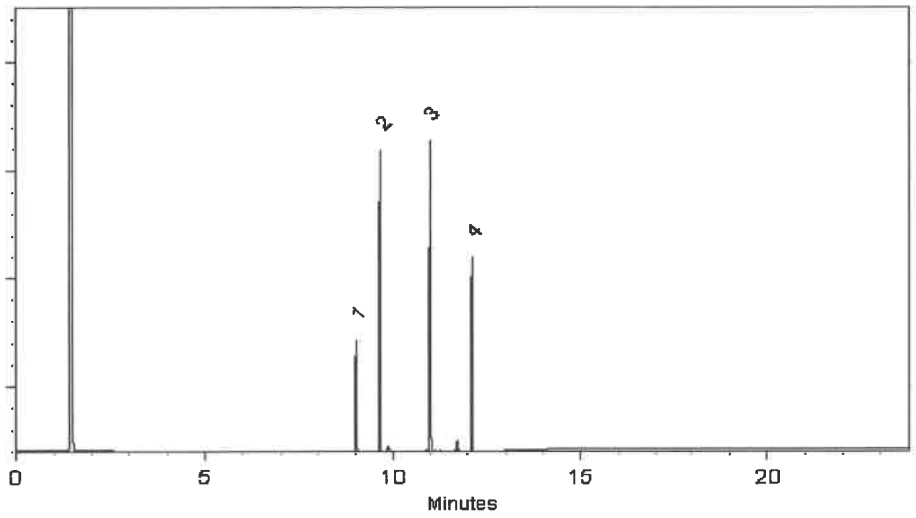
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 19-Jun-2024 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 26-Jun-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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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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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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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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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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
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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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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.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12963 → S12992 AC 12/17/24

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

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.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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

S12963 → S12992 AC 12/17/24

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

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.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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

S12963 → S12992 AC 12/17/24

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

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.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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Certificate of Analysis

chromatographic plus

ACCREDITED
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Certificate #3222.01

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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

S12963 ↓ S12992 } AC 12/17/24

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

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.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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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.

SHIPPING DOCUMENTS

Chemtech

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

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Doc # 381 Rev 4_01/08/2020

Q1883

Page 1 of 1

Company Name:	Nobis Group
Address:	55 Technology Dr Suite 101, Lowell, MA 01851
Phone:	978-703-6014
Project Name:	Raymark
Project Location:	Stratford, CT
Project Number:	95700
Project Manager:	Adam Roy
Con-Test Quote Name/Number:	
Invoice Recipient:	
Sampled By:	S. Stone

Requested Turnaround Time
5-Day ☐ 10-Day ☑
PFAS 10-Day (std) ☐ Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other: Equis edd
CLP Like Data Pkg Required: ☐ No
Email To: aroy@nobis-group.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	M/O	RCP VOCs	% Solids	PAHs	Herbicides	Pesticides	PCBs	Metals ICP + Hg - 6010	Cyanide	SPLP RCP Metals - 6020
	OU4-PCS-TC-27-042325	4/23/25	12:45	C	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-PCS-TC-28-042326	4/23/25	12:50	C	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-PCS-TC-29-042327	4/23/25	13:00	C	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-PCS-TC-30-042328	4/23/25	13:15	C	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-PCS-TC-31-042329	4/23/25	13:20	C	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-PCS-TC-32-042330	4/23/25	13:30	C	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-VSL-18-042325	4/23/25	11:20	C	SO		3	2	1				X	X	X	X	X	X	X	X	X
	OU4-VSL-19-042326	4/23/25	11:50	C	SO		3	2	1				X	X	X	X	X	X	X	X	X
	SO-TB-01-042325	4/23/25	800		SO		3						X								

[2] Preservation Code
Total Number Of:
VIALS_____
GLASS_____
PLASTIC_____
BACTERIA_____
ENCORE_____

Glassware in the fridge? Y / N
Glassware in freezer? Y / N
Prepackaged Cooler? Y / N

*Contest is not responsible for missing samples from prepacked coolers

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Relinquished by: (signature)	Date/Time: 4/24/25 1310
Received by: (signature)	Date/Time: 4/25/25 0930
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments: Other preservative is DI water. DI preserved VOCs were frozen on 4/24/25 @ 0600. Freeze upon receiving.

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☑ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity
Government ☐ Municipality ☐ MWRA ☐ WRTA ☐
Federal ☐ 21 J ☐ School ☐
City ☐ Brownfield ☐ MBTA ☐

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

Lab Comments: 3.6°C Adjust Factor +1 IR Gun #1

Disclaimer: Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1883 NOBI03
Client Name : Nobis Group
Client Contact : Adam Roy
Invoice Name : Nobis Group
Invoice Contact : Adam Roy

Order Date : 4/25/2025 10:10:00 AM
Project Name : Raymark Superfund Site
Receive DateTime : 4/25/2025 9:30:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
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
Q1883-01	OU4-PCS-TC-27-042325	Solid	04/23/2025	12:45					
					VOCMS Group3		8260D		10 Bus. Days
Q1883-03	OU4-PCS-TC-28-042325	Solid	04/23/2025	12:50					
					VOCMS Group3		8260D		10 Bus. Days
Q1883-05	OU4-PCS-TC-29-042325	Solid	04/23/2025	13:00					
					VOCMS Group3		8260D		10 Bus. Days
Q1883-07	OU4-PCS-TC-30-042325	Solid	04/23/2025	13:15					
					VOCMS Group3		8260D		10 Bus. Days
Q1883-09	OU4-PCS-TC-31-042325	Solid	04/23/2025	13:20					
					VOCMS Group3		8260D		10 Bus. Days
Q1883-11	OU4-PCS-TC-32-042325	Solid	04/23/2025	13:30					
					VOCMS Group3		8260D		10 Bus. Days
Q1883-13	OU4-PCS-18-042325 VSL	Solid	04/23/2025	11:20					
					VOCMS Group3		8260D		10 Bus. Days
Q1883-15	OU4-PCS-19-042325 VSL	Solid	04/23/2025	11:50					

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1883 NOBI03
Client Name : Nobis Group
Client Contact : Adam Roy
Invoice Name : Nobis Group
Invoice Contact : Adam Roy

Order Date : 4/25/2025 10:10:00 AM
Project Name : Raymark Superfund Site
Receive DateTime : 4/25/2025 9:30:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
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
					VOCMS Group3		8260D		10 Bus. Days
Q1883-17	SO-TB-01-042325	Solid	04/23/2025	08:00					
					VOCMS Group3		8260D		10 Bus. Days

Relinguished By : [signature]
Date / Time : 4/25/25 1120

Received By : Sam
Date / Time : 04/25/25 11:20
Storage Area : VOA Refridgerator Room

02 & 06
F22

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050025.D
Acq On : 28 Apr 2025 13:09
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Quant Time: Apr 28 17:53:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.769	152	222427	20.000	ng		0.00
21) Naphthalene-d8	10.563	136	815362	20.000	ng		0.00
39) Acenaphthene-d10	14.410	164	578294	20.000	ng		0.00
64) Phenanthrene-d10	17.157	188	1183325	20.000	ng		0.00
76) Chrysene-d12	21.403	240	1136162	20.000	ng		0.00
86) Perylene-d12	24.403	264	1149910	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.363	112	119473	9.406	ng		0.00
7) Phenol-d6	6.957	99	143453	8.985	ng		0.00
23) Nitrobenzene-d5	8.928	82	157222	9.502	ng		0.00
42) 2,4,6-Tribromophenol	15.910	330	73192	8.560	ng		0.00
45) 2-Fluorobiphenyl	13.033	172	459031	9.390	ng		0.00
79) Terphenyl-d14	19.780	244	668289	8.704	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.257	88	28163	5.171	ng		98
3) Pyridine	3.669	79	66766	4.771	ng		98
4) n-Nitrosodimethylamine	3.575	42	27060	4.930	ng	#	92
6) Aniline	7.098	93	92126	4.570	ng		97
8) 2-Chlorophenol	7.345	128	64999	4.733	ng		99
9) Benzaldehyde	6.916	77	56680	5.312	ng		98
10) Phenol	6.987	94	75011	4.641	ng		99
11) bis(2-Chloroethyl)ether	7.192	93	67447	4.998	ng		98
12) 1,3-Dichlorobenzene	7.657	146	82466	4.971	ng		98
13) 1,4-Dichlorobenzene	7.804	146	84400	5.064	ng		97
14) 1,2-Dichlorobenzene	8.122	146	78966	4.905	ng		99
15) Benzyl Alcohol	8.022	79	48180	4.352	ng		95
16) 2,2'-oxybis(1-Chloropr...	8.298	45	82711	5.042	ng		93
17) 2-Methylphenol	8.234	107	47632	4.474	ng		99
18) Hexachloroethane	8.845	117	30717	5.185	ng		97
19) n-Nitroso-di-n-propyla...	8.575	70	49455	4.830	ng		98
20) 3+4-Methylphenols	8.575	107	63223	4.397	ng	#	91
22) Acetophenone	8.598	105	98358	4.852	ng		98
24) Nitrobenzene	8.975	77	68598	4.795	ng		94
25) Isophorone	9.498	82	135828	4.816	ng		98
26) 2-Nitrophenol	9.692	139	30257	4.140	ng		95
27) 2,4-Dimethylphenol	9.763	122	53660	4.427	ng		99
28) bis(2-Chloroethoxy)met...	9.986	93	82947	4.758	ng		99
29) 2,4-Dichlorophenol	10.263	162	59828	4.406	ng		97
30) 1,2,4-Trichlorobenzene	10.428	180	81624	4.934	ng		97
31) Naphthalene	10.616	128	204133	4.944	ng		98
32) Benzoic acid	9.898	122	11980	1.550	ng	#	86
33) 4-Chloroaniline	10.751	127	73542	4.345	ng		97
34) Hexachlorobutadiene	10.898	225	51529	4.907	ng		98
35) Caprolactam	11.522	113	15041	3.799	ng		96
36) 4-Chloro-3-methylphenol	11.886	107	58843	4.690	ng		97
37) 2-Methylnaphthalene	12.233	142	133679	4.829	ng		97
38) 1-Methylnaphthalene	12.451	142	143332	4.892	ng		99
40) 1,2,4,5-Tetrachloroben...	12.604	216	90168	4.504	ng		98
41) Hexachlorocyclopentadiene	12.580	237	37579	3.072	ng		97
43) 2,4,6-Trichlorophenol	12.863	196	53748	4.233	ng		96

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050025.D
Acq On : 28 Apr 2025 13:09
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Quant Time: Apr 28 17:53:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

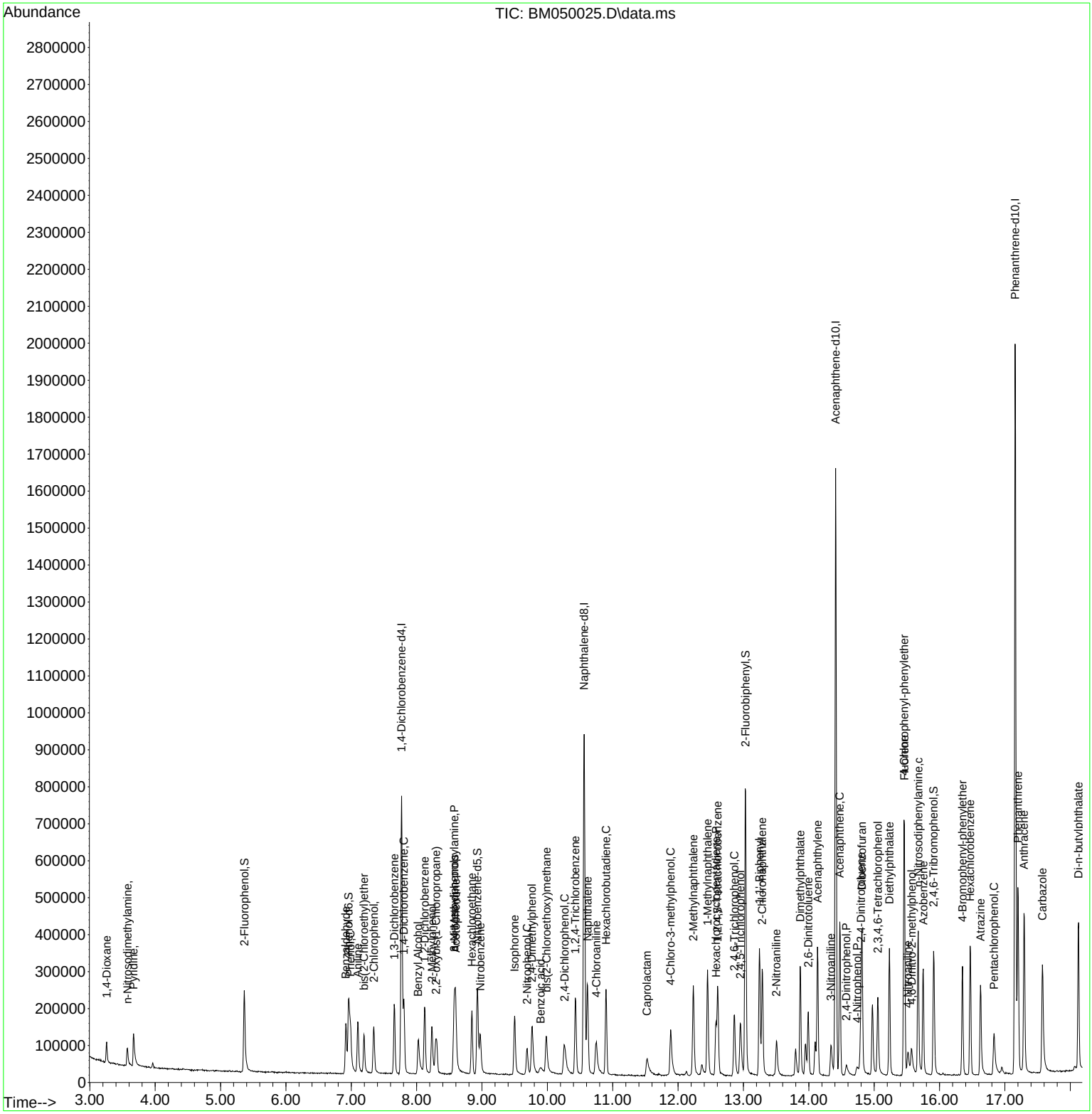
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.951	196	59224	4.325	ng		98
46) 1,1'-Biphenyl	13.245	154	206296	4.799	ng		98
47) 2-Chloronaphthalene	13.286	162	162803	4.782	ng		98
48) 2-Nitroaniline	13.504	65	34348	4.299	ng		91
49) Acenaphthylene	14.133	152	259406	4.832	ng		100
50) Dimethylphthalate	13.869	163	208800	4.941	ng		100
51) 2,6-Dinitrotoluene	13.992	165	38453	4.395	ng		94
52) Acenaphthene	14.474	154	150042	4.829	ng		99
53) 3-Nitroaniline	14.339	138	33713	4.036	ng	#	94
54) 2,4-Dinitrophenol	14.574	184	11329	7.621	ng	#	71
55) Dibenzofuran	14.816	168	252898	4.892	ng		99
56) 4-Nitrophenol	14.739	139	12008	6.200	ng		91
57) 2,4-Dinitrotoluene	14.798	165	48901	4.044	ng	#	87
58) Fluorene	15.463	166	200542	4.739	ng		95
59) 2,3,4,6-Tetrachlorophenol	15.057	232	52899	4.463	ng		97
60) Diethylphthalate	15.233	149	198362	4.981	ng		98
61) 4-Chlorophenyl-phenyle...	15.457	204	107081	4.607	ng		94
62) 4-Nitroaniline	15.515	138	26663	3.306	ng		84
63) Azobenzene	15.751	77	161662	4.844	ng		98
65) 4,6-Dinitro-2-methylph...	15.574	198	21367	2.885	ng		91
66) n-Nitrosodiphenylamine	15.674	169	171608	4.723	ng		97
67) 4-Bromophenyl-phenylether	16.351	248	66000	4.612	ng		95
68) Hexachlorobenzene	16.468	284	78506	4.759	ng		99
69) Atrazine	16.627	200	58110	4.433	ng		99
70) Pentachlorophenol	16.833	266	32416	3.491	ng		99
71) Phenanthrene	17.198	178	317954	4.764	ng		99
72) Anthracene	17.292	178	314149	4.651	ng		99
73) Carbazole	17.574	167	268774	4.586	ng		99
74) Di-n-butylphthalate	18.127	149	327178	4.688	ng		100
75) Fluoranthene	19.221	202	348593	4.449	ng		99
77) Benzidine	19.421	184	129721	3.214	ng		99
78) Pyrene	19.586	202	366473	4.593	ng		99
80) Butylbenzylphthalate	20.480	149	138827	4.646	ng		97
81) Benzo(a)anthracene	21.380	228	363641	4.648	ng		99
82) 3,3'-Dichlorobenzidine	21.315	252	123375	4.119	ng	#	95
83) Chrysene	21.445	228	343085	4.738	ng		98
84) Bis(2-ethylhexyl)phtha...	21.297	149	206231	4.620	ng		96
85) Di-n-octyl phthalate	22.427	149	346799	4.711	ng		98
87) Indeno(1,2,3-cd)pyrene	27.803	276	373944	4.364	ng	#	87
88) Benzo(b)fluoranthene	23.456	252	324395	4.338	ng		99
89) Benzo(k)fluoranthene	23.456	252	324395	4.287	ng		99
90) Benzo(a)pyrene	24.262	252	314608	4.492	ng		98
91) Dibenzo(a,h)anthracene	27.856	278	303557	4.346	ng		98
92) Benzo(g,h,i)perylene	28.862	276	306571	4.585	ng		98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050025.D
Acq On : 28 Apr 2025 13:09
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

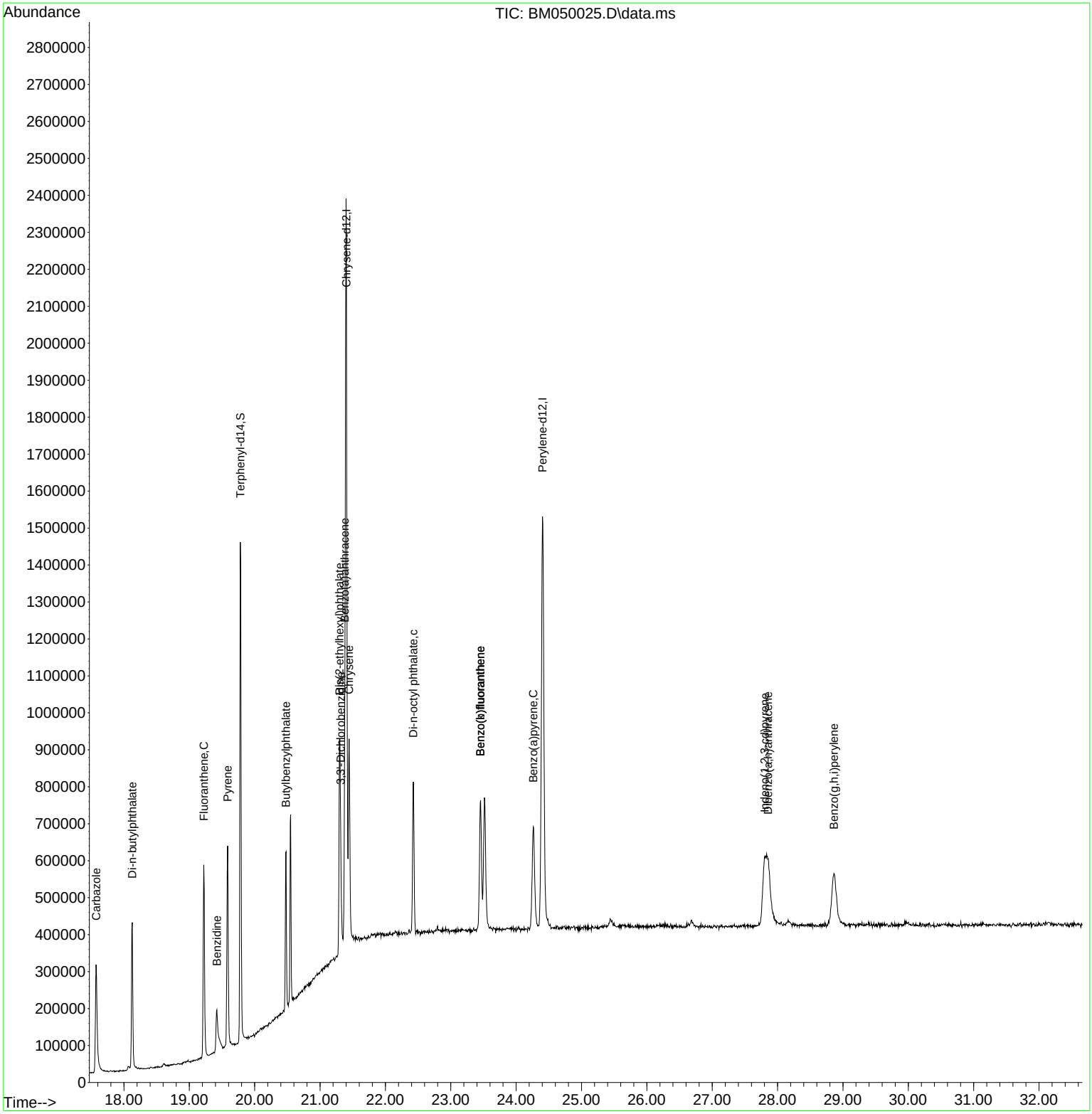
Quant Time: Apr 28 17:53:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

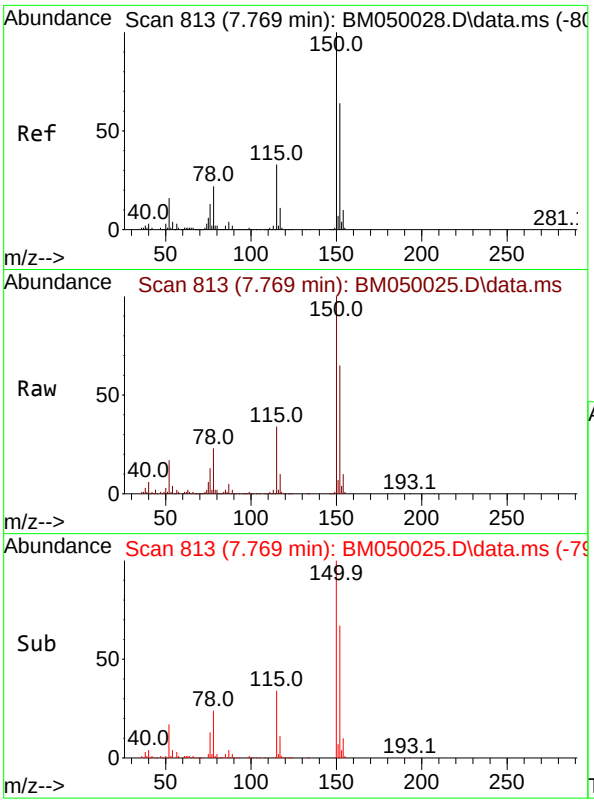


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050025.D
Acq On : 28 Apr 2025 13:09
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Quant Time: Apr 28 17:53:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration



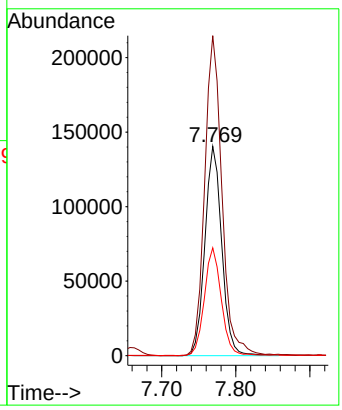


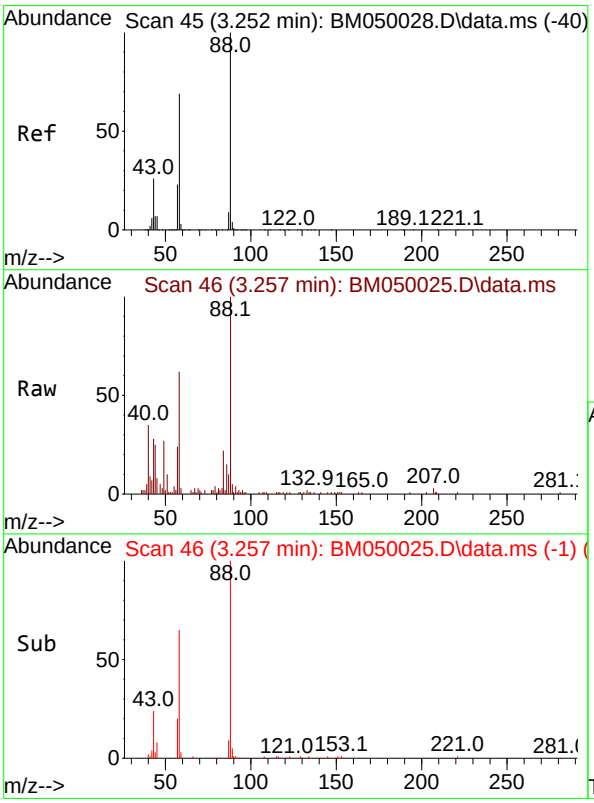
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 222427

Ion	Ratio	Lower	Upper
152	100		
150	152.9	124.1	186.1
115	51.5	41.2	61.8

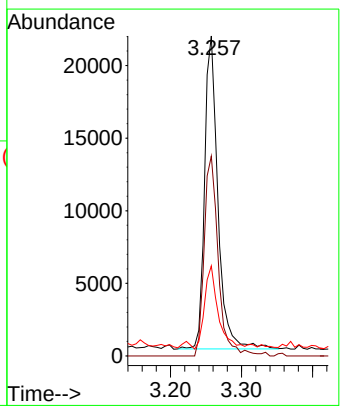


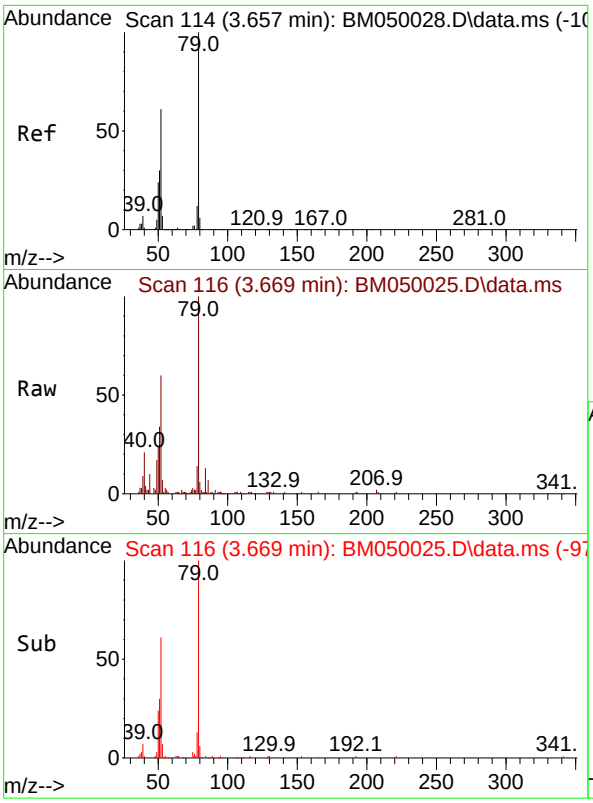


#2
1,4-Dioxane
Concen: 5.171 ng
RT: 3.257 min Scan# 46
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion: 88 Resp: 28163

Ion	Ratio	Lower	Upper
88	100		
58	67.8	55.1	82.7
43	27.3	20.9	31.3



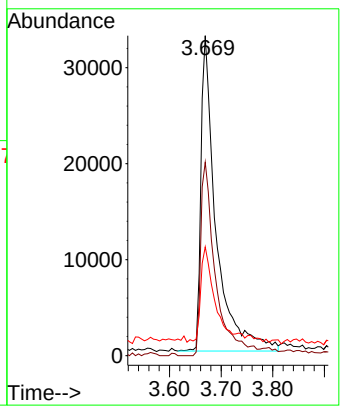


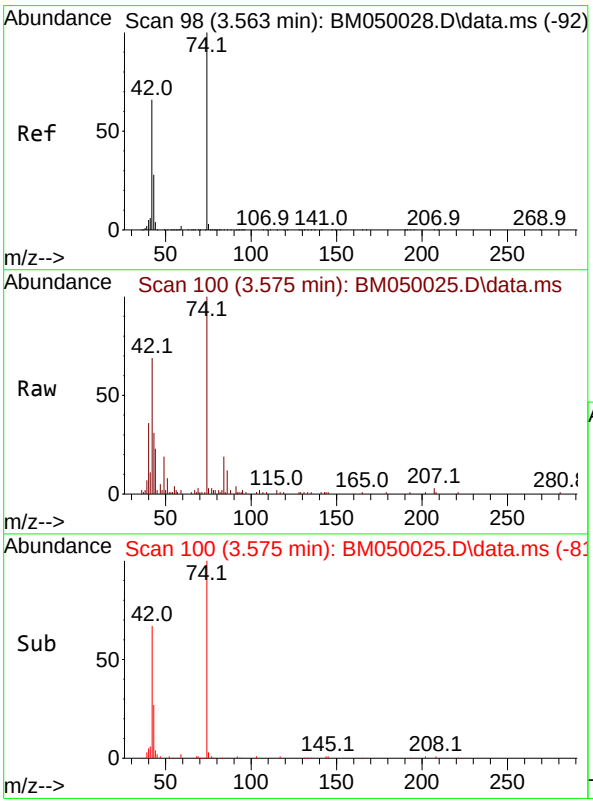
#3
Pyridine
Concen: 4.771 ng
RT: 3.669 min Scan# 11
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 66766

Ion	Ratio	Lower	Upper
79	100		
52	60.5	48.6	72.8
51	34.0	24.6	37.0

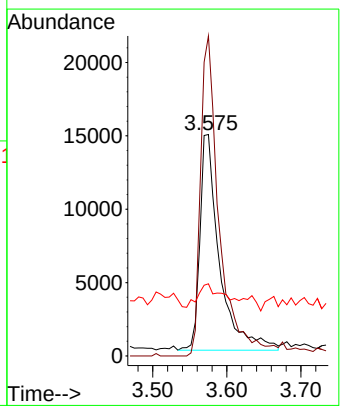


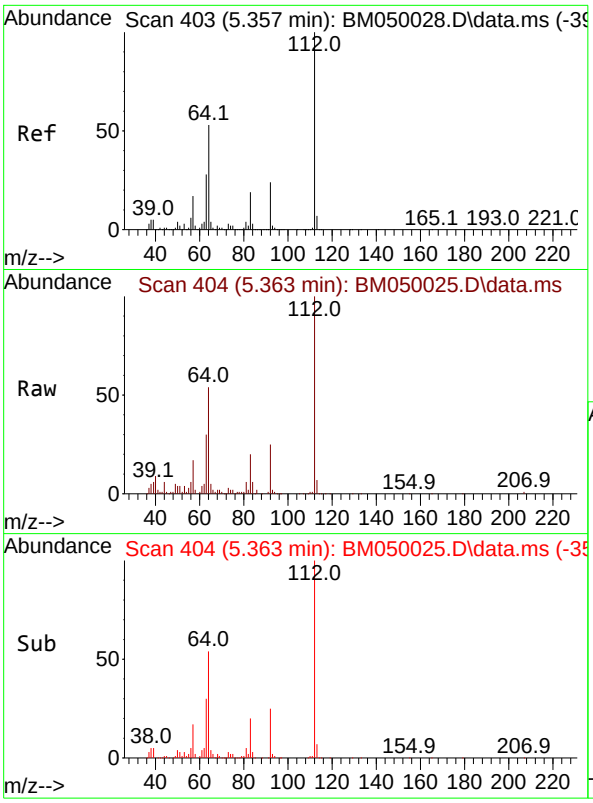


#4
n-Nitrosodimethylamine
Concen: 4.930 ng
RT: 3.575 min Scan# 100
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion: 42 Resp: 27060

Ion	Ratio	Lower	Upper
42	100		
74	144.5	120.2	180.2
44	32.5	6.2	9.2#



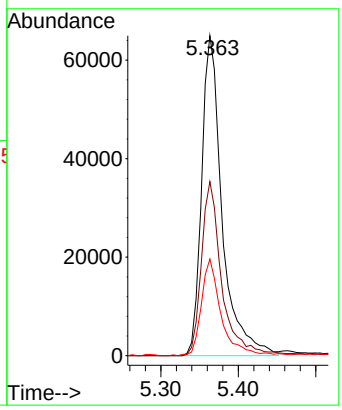


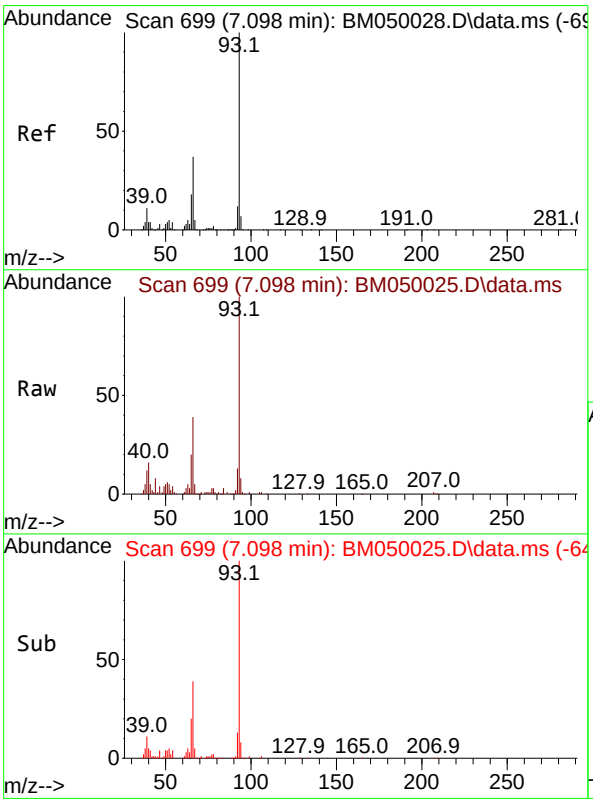
#5
2-Fluorophenol
Concen: 9.406 ng
RT: 5.363 min Scan# 4
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:112 Resp: 119473

Ion	Ratio	Lower	Upper
112	100		
64	54.4	42.6	64.0
63	30.2	22.2	33.4

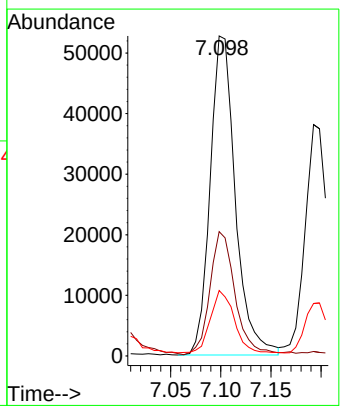


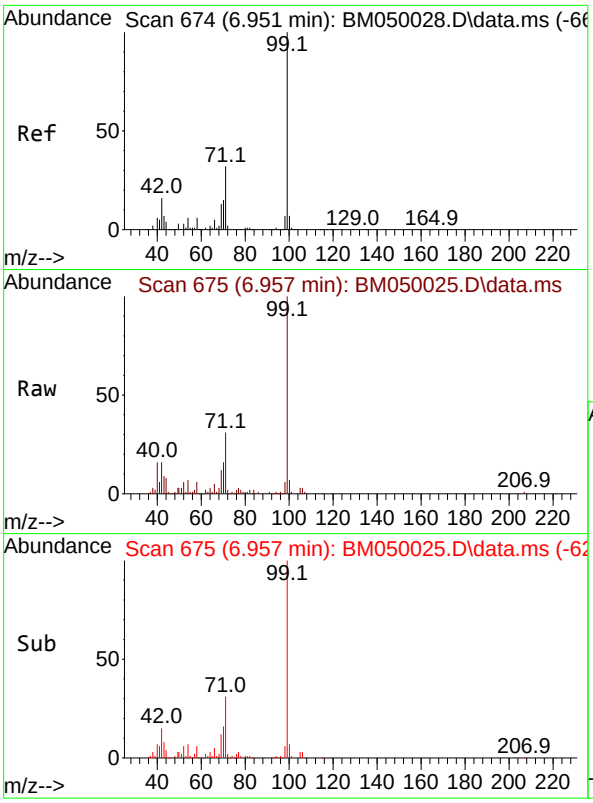


#6
Aniline
Concen: 4.570 ng
RT: 7.098 min Scan# 699
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion: 93 Resp: 92126

Ion	Ratio	Lower	Upper
93	100		
66	38.9	29.9	44.9
65	20.5	14.5	21.7



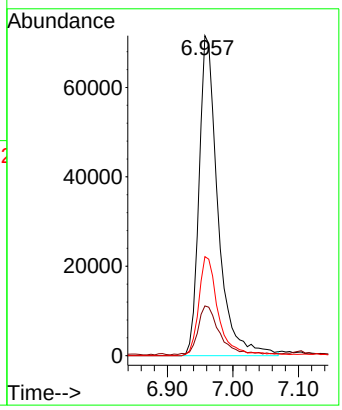


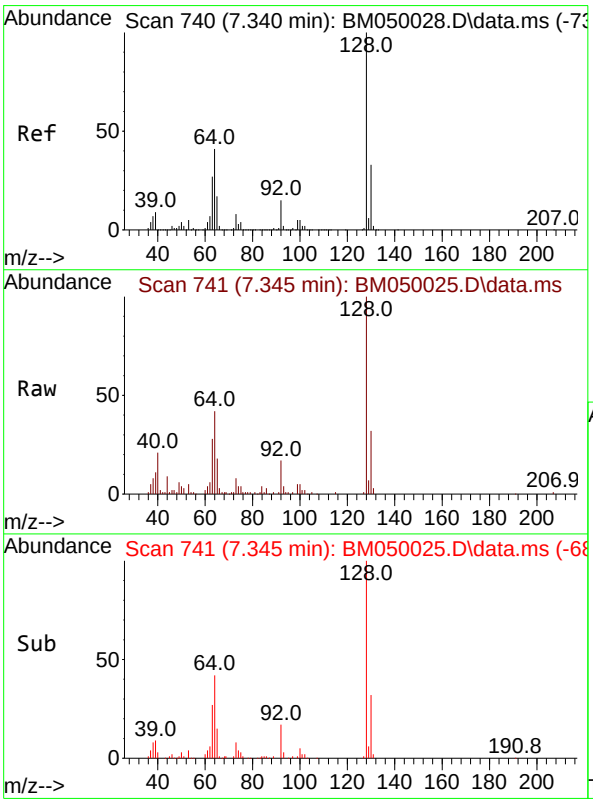
#7
Phenol-d6
Concen: 8.985 ng
RT: 6.957 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion: 99 Resp: 143453

Ion	Ratio	Lower	Upper
99	100		
42	15.6	13.0	19.4
71	30.9	25.6	38.4

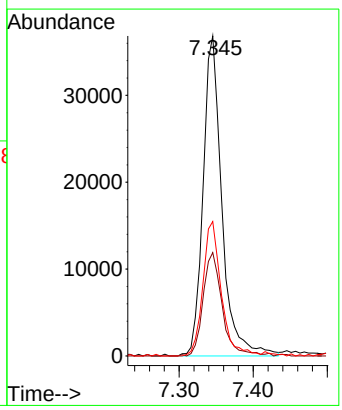


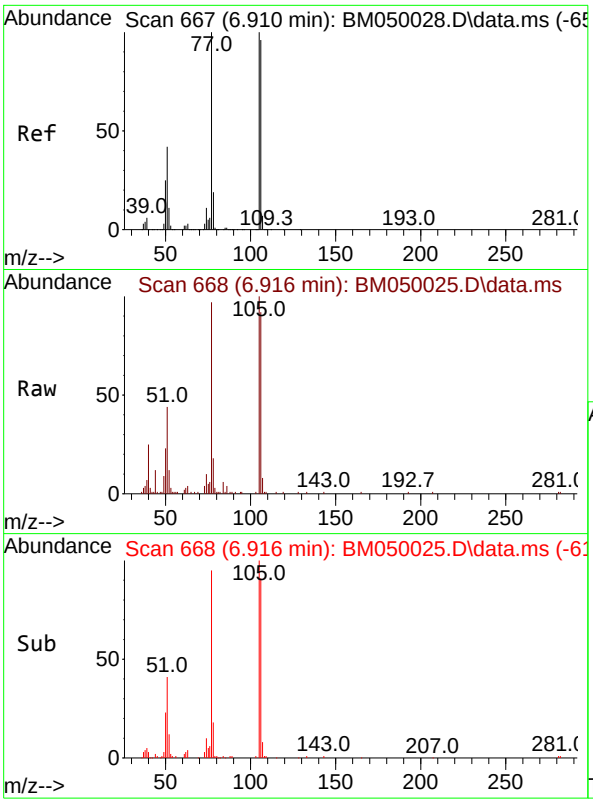


#8
2-Chlorophenol
Concen: 4.733 ng
RT: 7.345 min Scan# 741
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:128 Resp: 64999

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.8	52.8
64	42.0	21.2	61.2



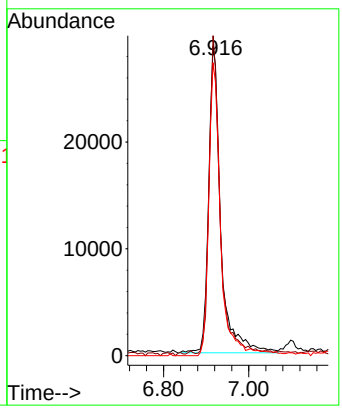


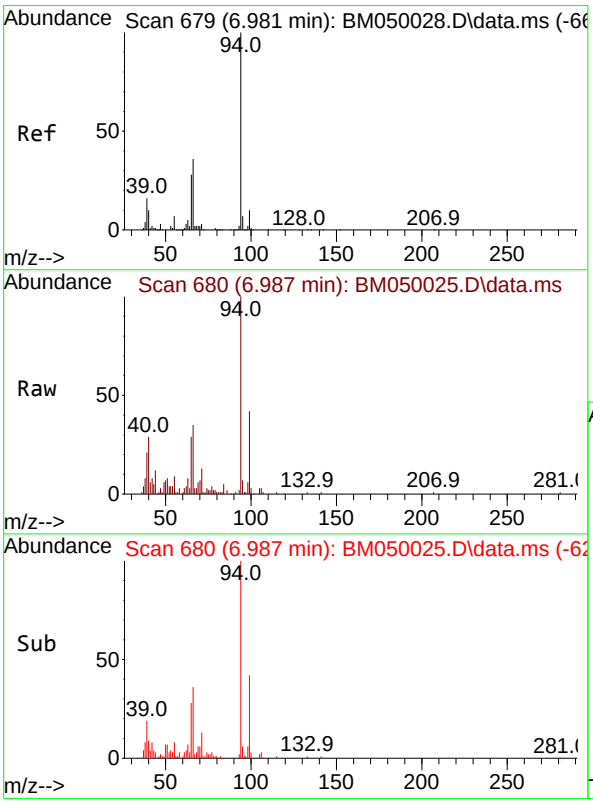
#9
Benzaldehyde
Concen: 5.312 ng
RT: 6.916 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 56680

Ion	Ratio	Lower	Upper
77	100		
105	103.4	80.5	120.5
106	94.6	76.1	116.1

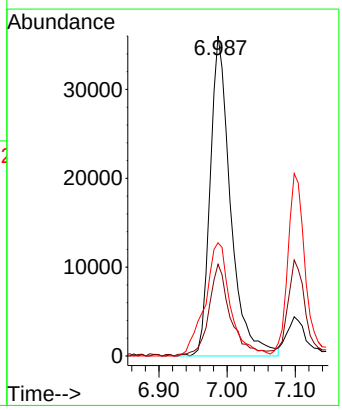


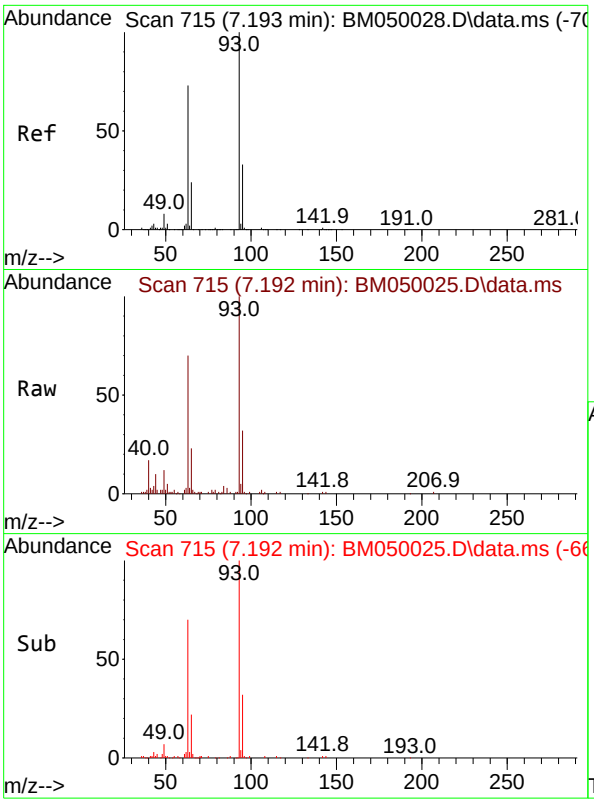


#10
Phenol
Concen: 4.641 ng
RT: 6.987 min Scan# 680
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion: 94 Resp: 75011

Ion	Ratio	Lower	Upper
94	100		
65	28.6	7.6	47.6
66	35.3	15.8	55.8



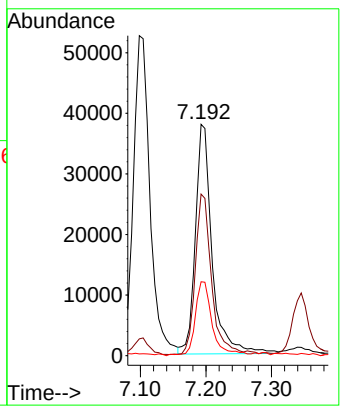


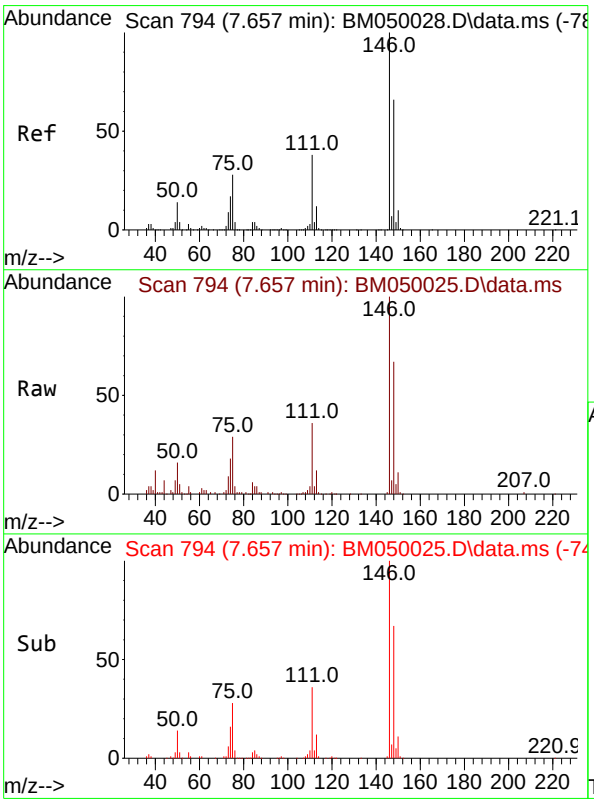
#11
bis(2-Chloroethyl)ether
Concen: 4.998 ng
RT: 7.192 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 67447

Ion	Ratio	Lower	Upper
93	100		
63	69.8	52.3	92.3
95	32.0	12.8	52.8

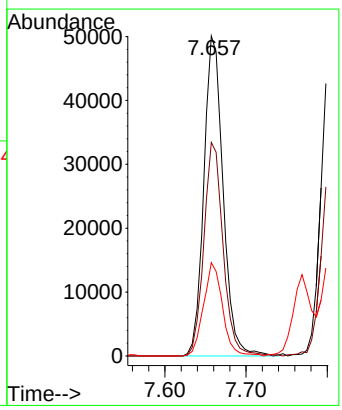


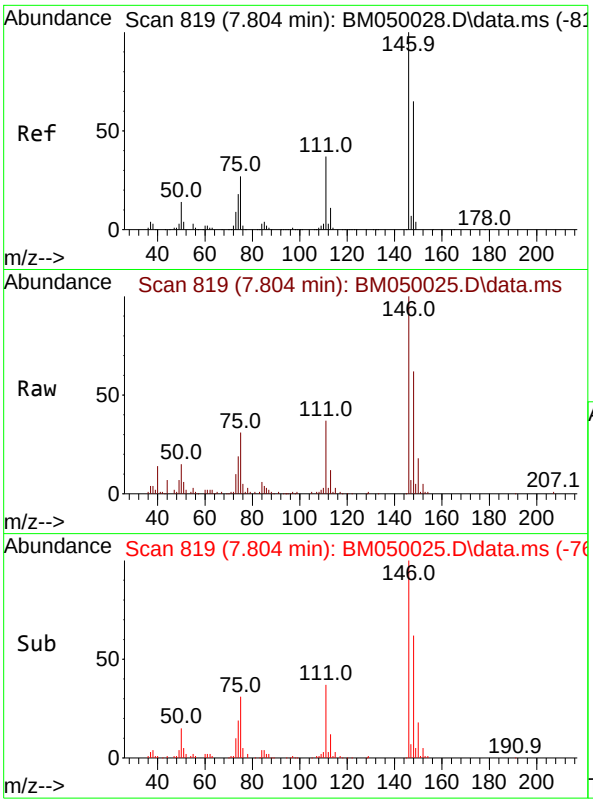


#12
1,3-Dichlorobenzene
Concen: 4.971 ng
RT: 7.657 min Scan# 794
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:146 Resp: 82466

Ion	Ratio	Lower	Upper
146	100		
148	66.8	52.5	78.7
75	29.2	22.6	34.0



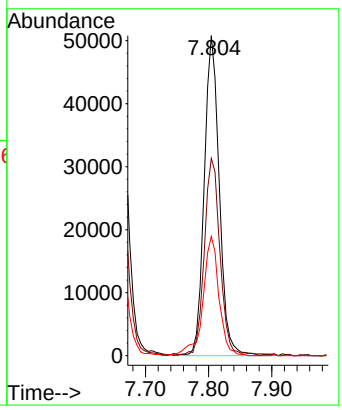


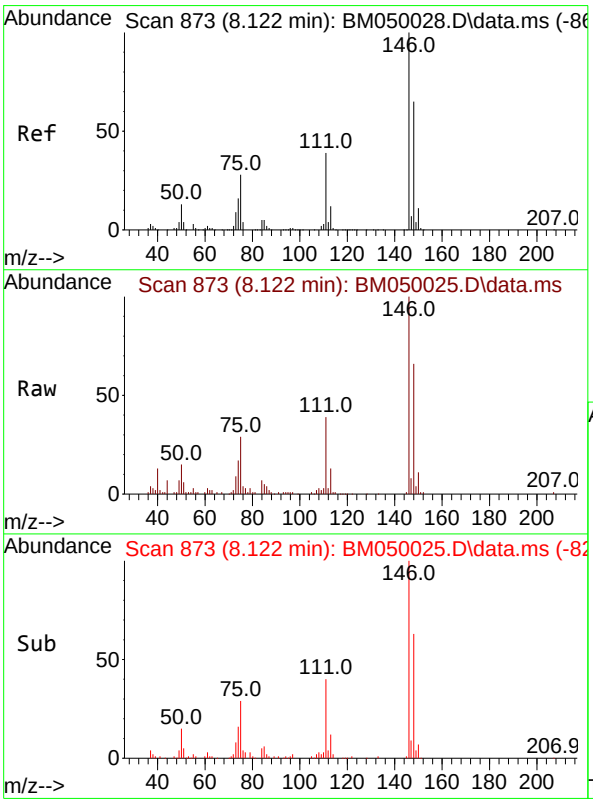
#13
1,4-Dichlorobenzene
Concen: 5.064 ng
RT: 7.804 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 84400

Ion	Ratio	Lower	Upper
146	100		
148	61.6	52.2	78.2
111	37.2	29.3	43.9

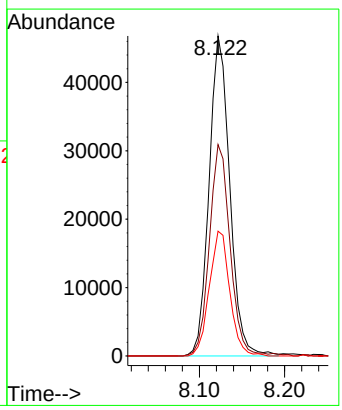


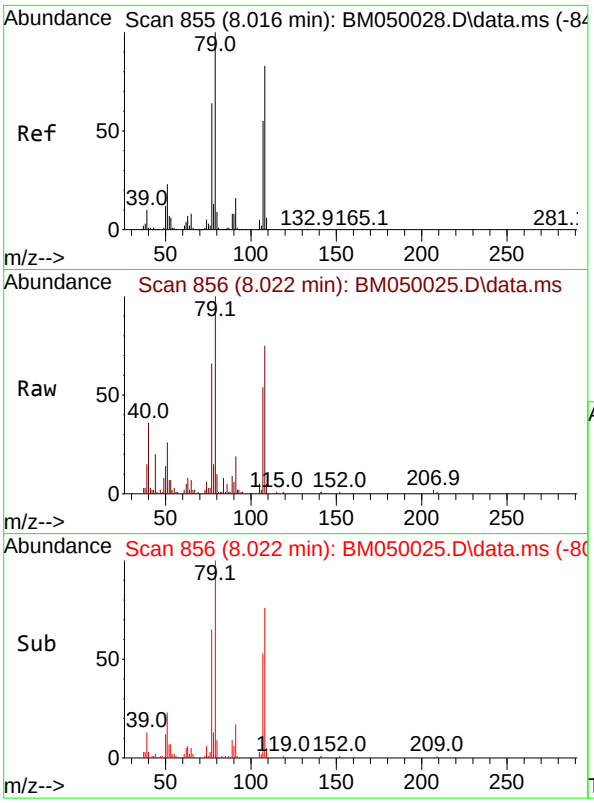


#14
1,2-Dichlorobenzene
Concen: 4.905 ng
RT: 8.122 min Scan# 873
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:146 Resp: 78966

Ion	Ratio	Lower	Upper
146	100		
148	66.0	52.4	78.6
111	39.0	31.0	46.6



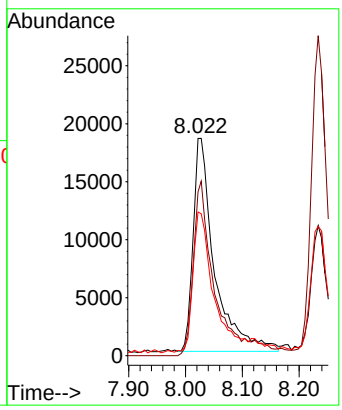


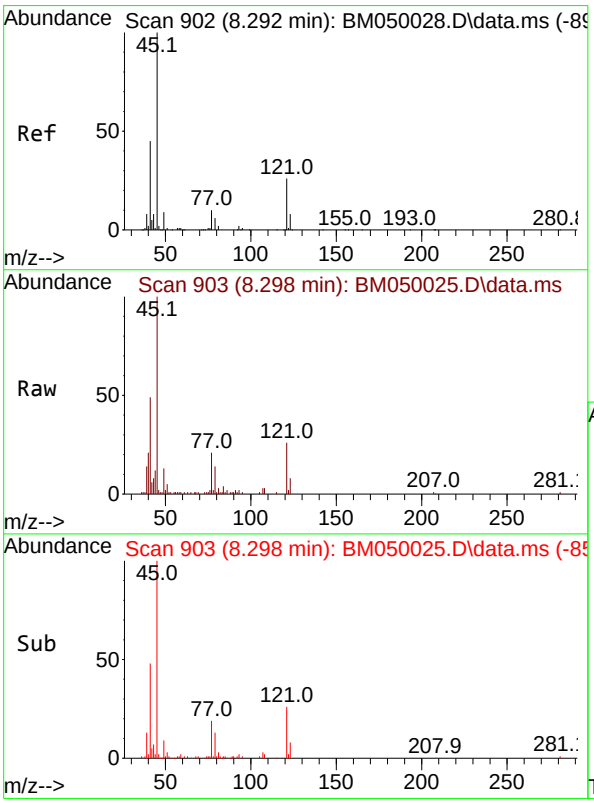
#15
Benzyl Alcohol
Concen: 4.352 ng
RT: 8.022 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 48180

Ion	Ratio	Lower	Upper
79	100		
108	75.4	66.0	99.0
77	66.1	51.6	77.4

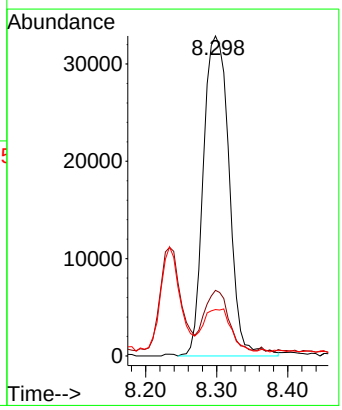


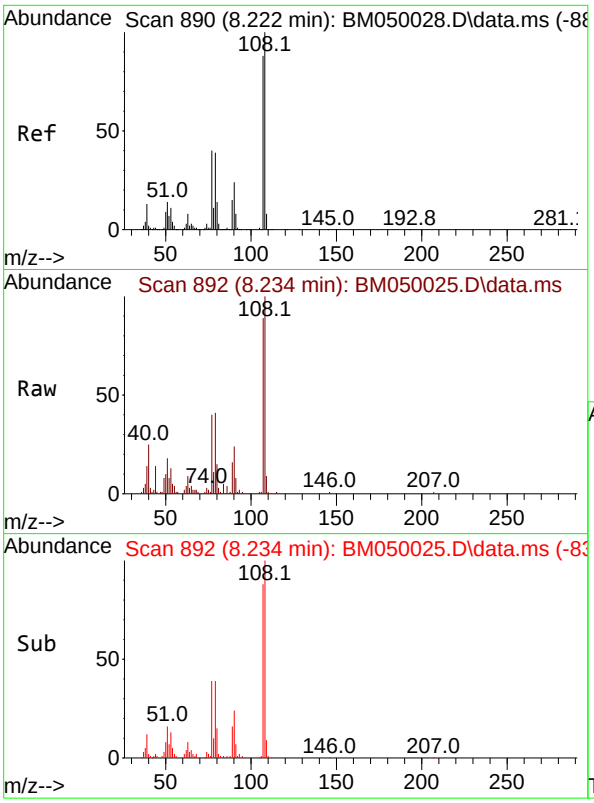


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.042 ng
RT: 8.298 min Scan# 903
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion: 45 Resp: 82711

Ion	Ratio	Lower	Upper
45	100		
77	20.5	0.0	36.4
79	14.5	0.0	32.7



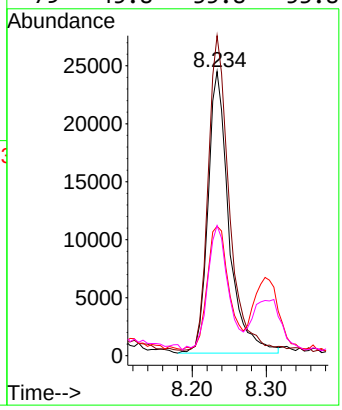


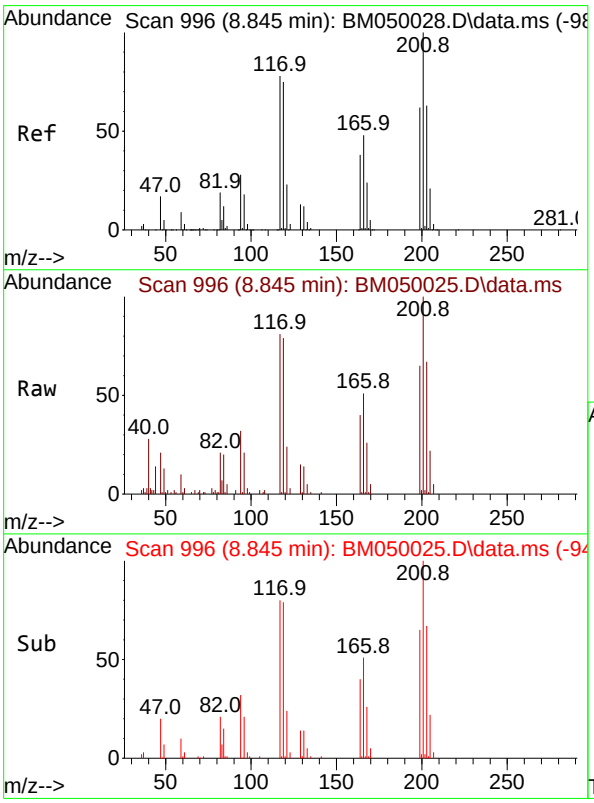
#17
2-Methylphenol
Concen: 4.474 ng
RT: 8.234 min Scan# 8
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:107 Resp: 47632

Ion	Ratio	Lower	Upper
107	100		
108	112.6	91.1	136.7
77	45.6	36.2	54.4
79	45.8	35.8	53.8

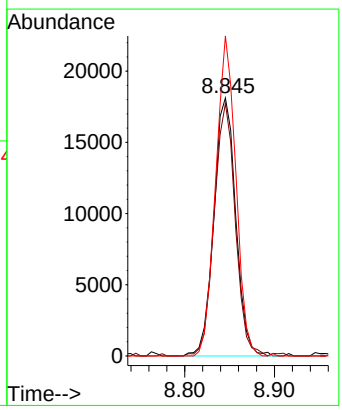


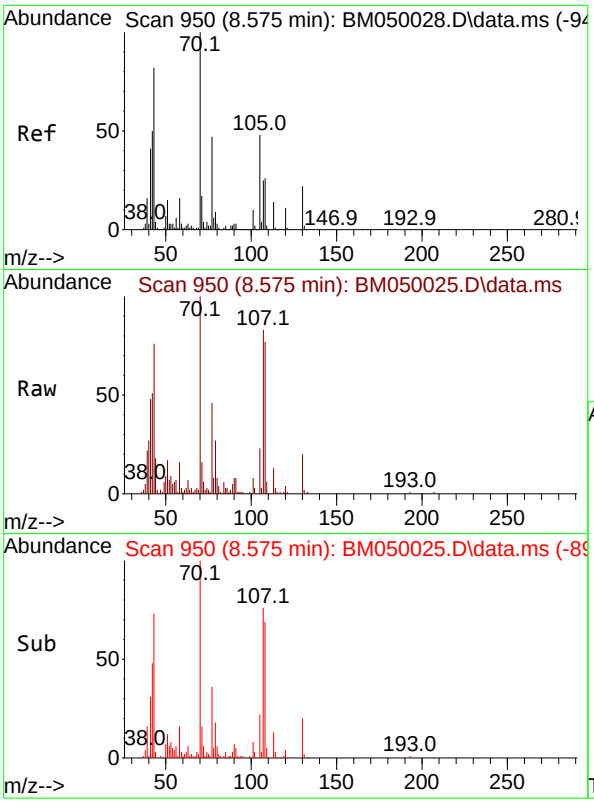


#18
Hexachloroethane
Concen: 5.185 ng
RT: 8.845 min Scan# 996
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:117 Resp: 30717

Ion	Ratio	Lower	Upper
117	100		
119	97.9	77.3	115.9
201	124.0	102.8	154.2



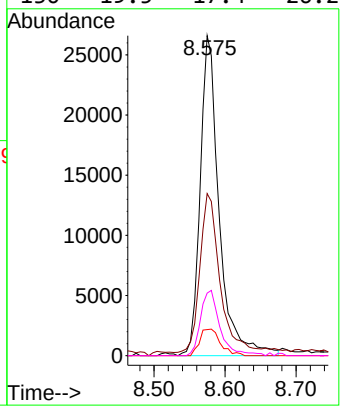


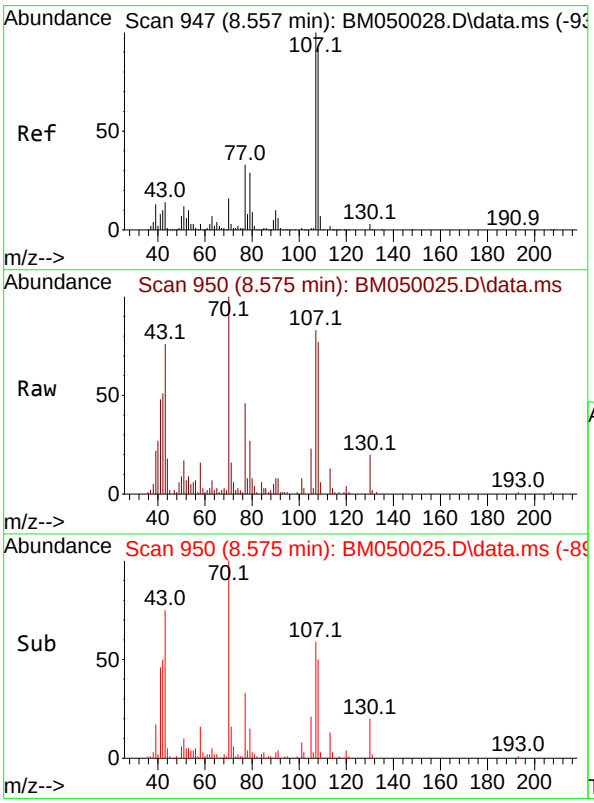
#19
n-Nitroso-di-n-propylamine
Concen: 4.830 ng
RT: 8.575 min Scan# 9
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion: 70 Resp: 49455

Ion	Ratio	Lower	Upper
70	100		
42	50.7	40.5	60.7
101	8.2	7.8	11.6
130	19.5	17.4	26.2

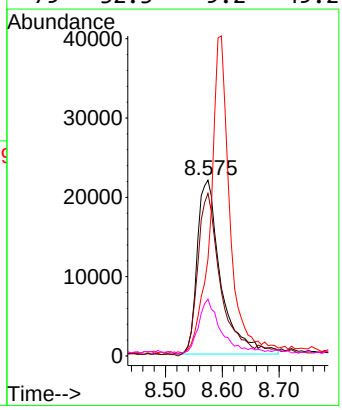


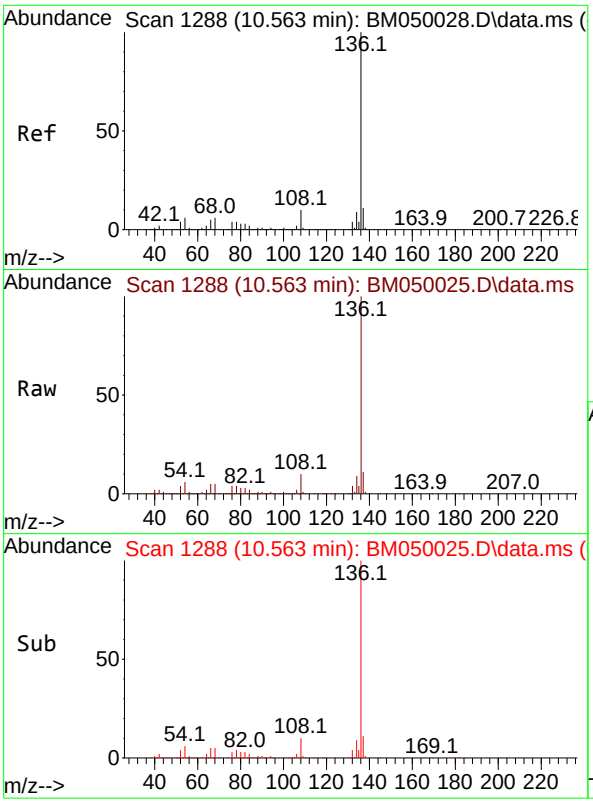


#20
3+4-Methylphenols
Concen: 4.397 ng
RT: 8.575 min Scan# 950
Delta R.T. 0.018 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:107 Resp: 63223

Ion	Ratio	Lower	Upper
107	100		
108	92.4	72.4	112.4
77	55.1	13.6	53.6#
79	32.3	9.2	49.2



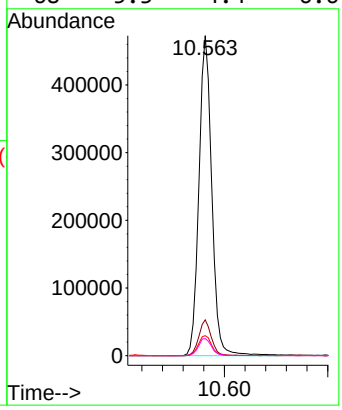


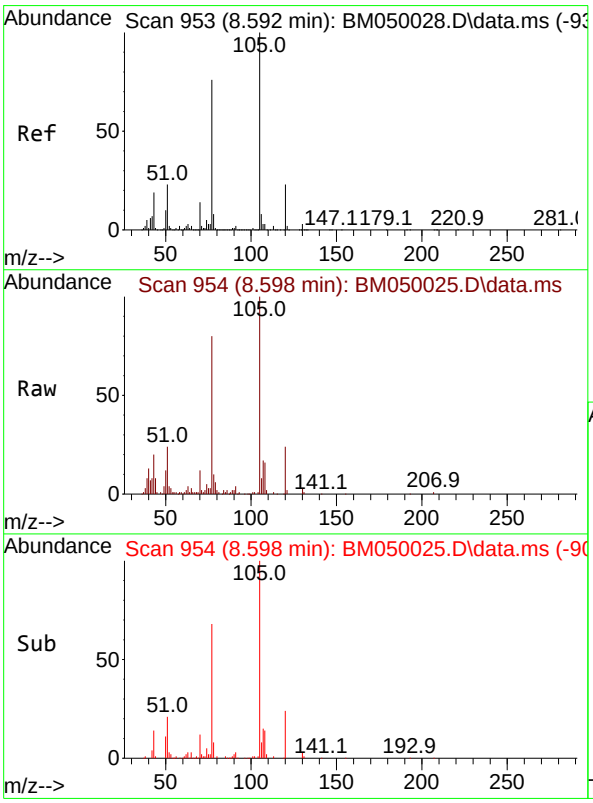
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:136 Resp: 815362

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	6.3	5.1	7.7
68	5.3	4.4	6.6

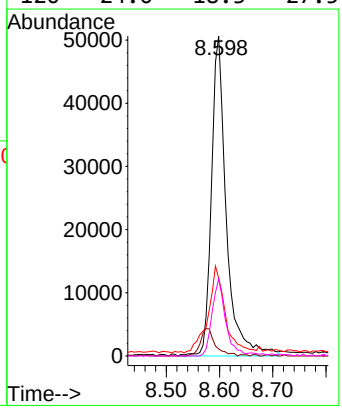


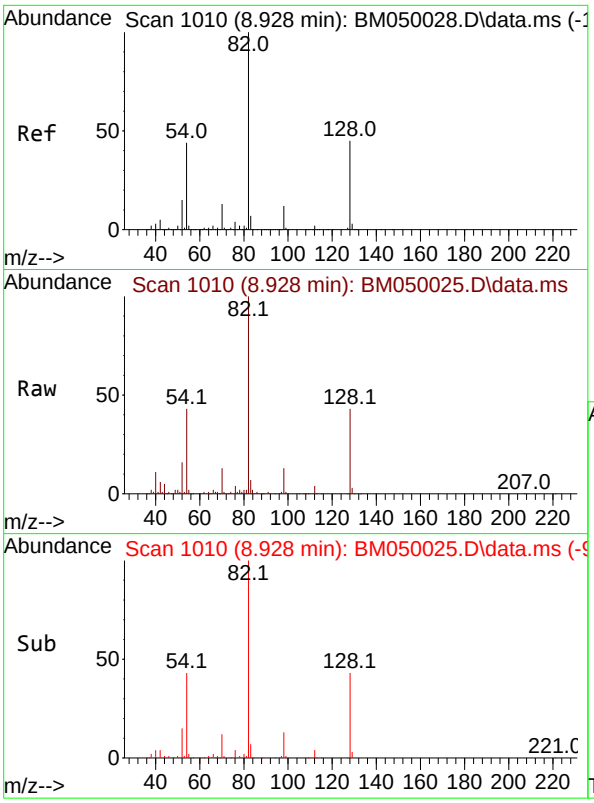


#22
Acetophenone
Concen: 4.852 ng
RT: 8.598 min Scan# 954
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:105 Resp: 98358

Ion	Ratio	Lower	Upper
105	100		
71	2.2	1.7	2.5
51	24.3	18.6	27.8
120	24.0	18.3	27.5



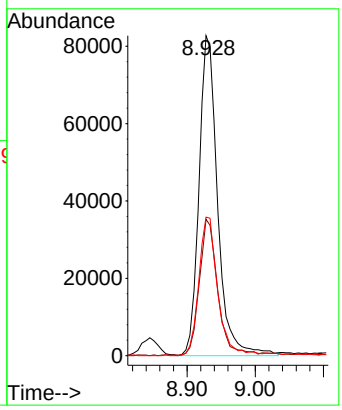


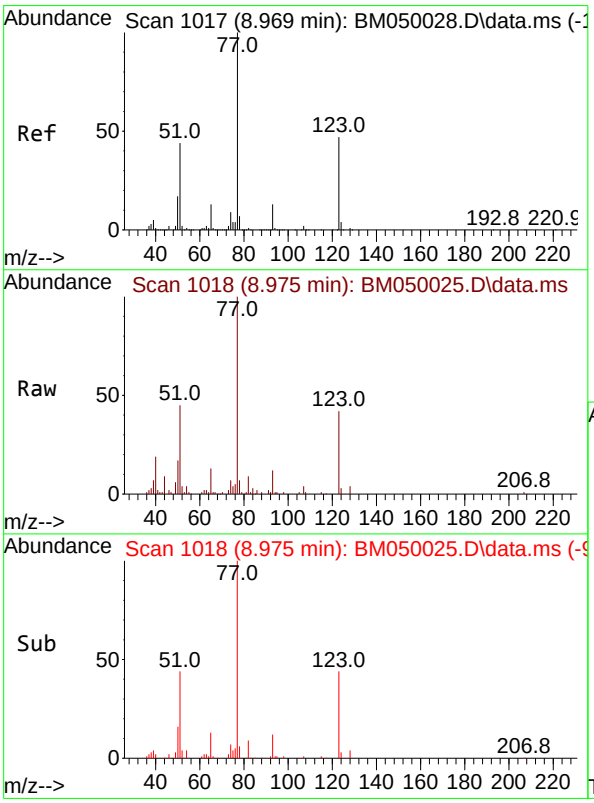
#23
Nitrobenzene-d5
Concen: 9.502 ng
RT: 8.928 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 157222

Ion	Ratio	Lower	Upper
82	100		
128	42.6	35.7	53.5
54	43.3	35.4	53.2

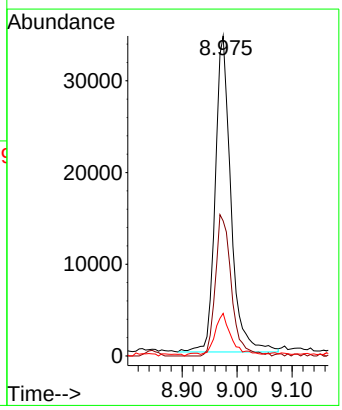


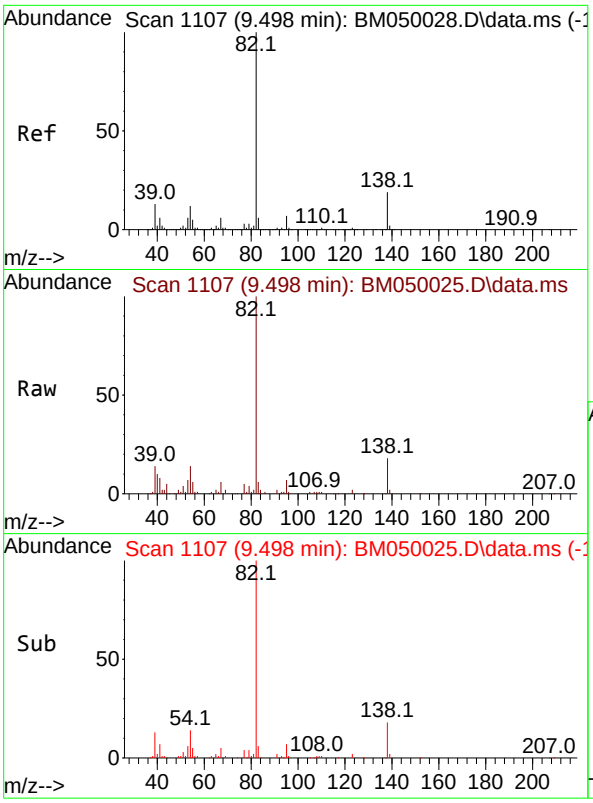


#24
Nitrobenzene
Concen: 4.795 ng
RT: 8.975 min Scan# 1018
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion: 77 Resp: 68598

Ion	Ratio	Lower	Upper
77	100		
123	42.2	37.9	56.9
65	13.3	10.1	15.1



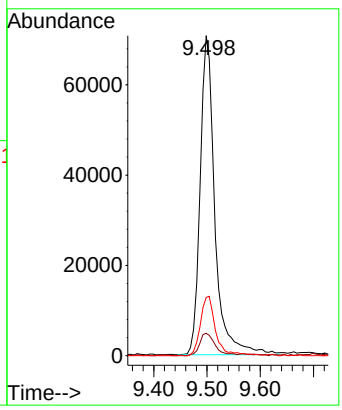


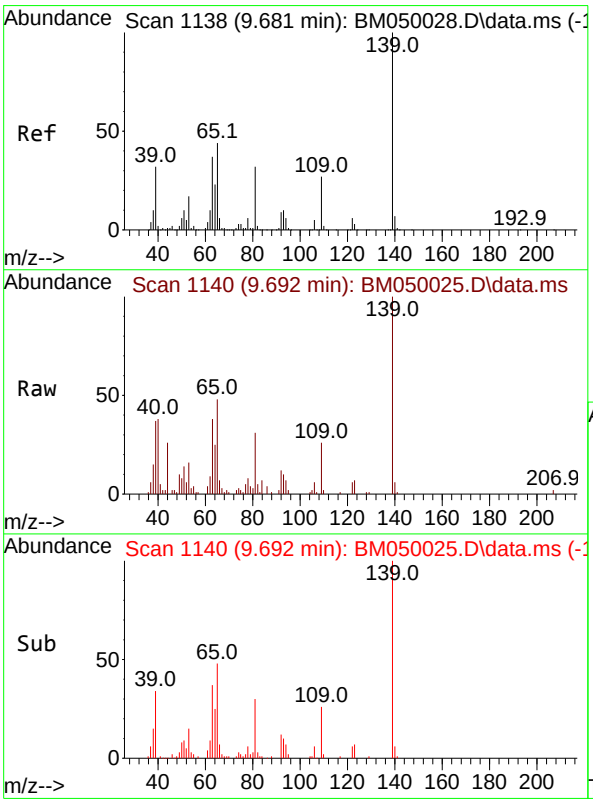
#25
Isophorone
Concen: 4.816 ng
RT: 9.498 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 135828

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.7	8.5
138	18.2	15.5	23.3

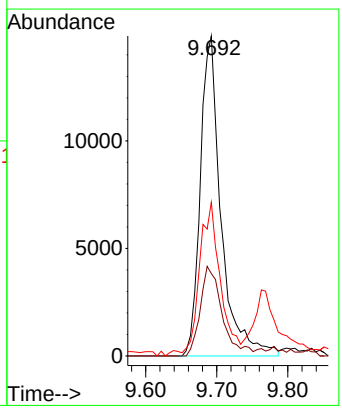


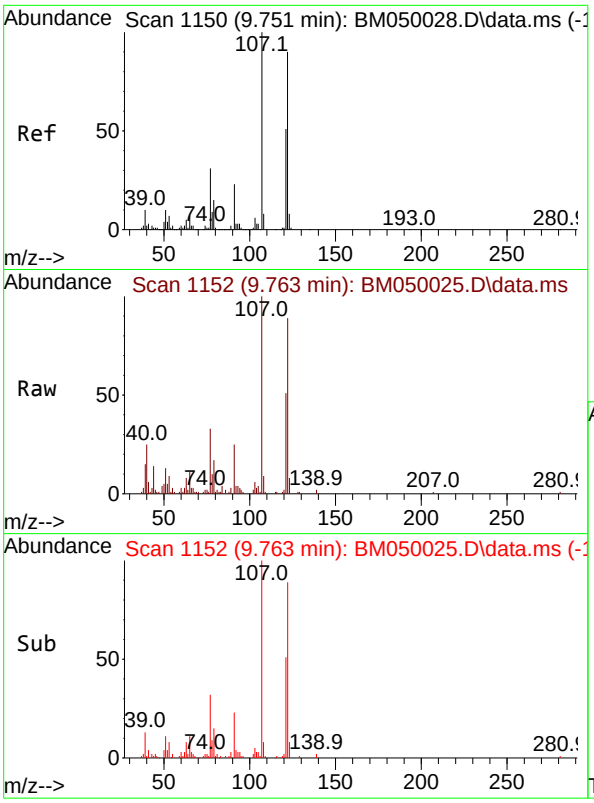


#26
2-Nitrophenol
Concen: 4.140 ng
RT: 9.692 min Scan# 1140
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:139 Resp: 30257

Ion	Ratio	Lower	Upper
139	100		
109	25.8	21.9	32.9
65	48.0	35.4	53.2



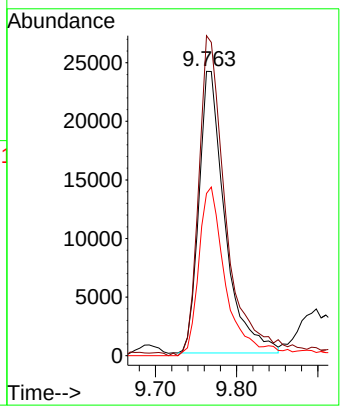


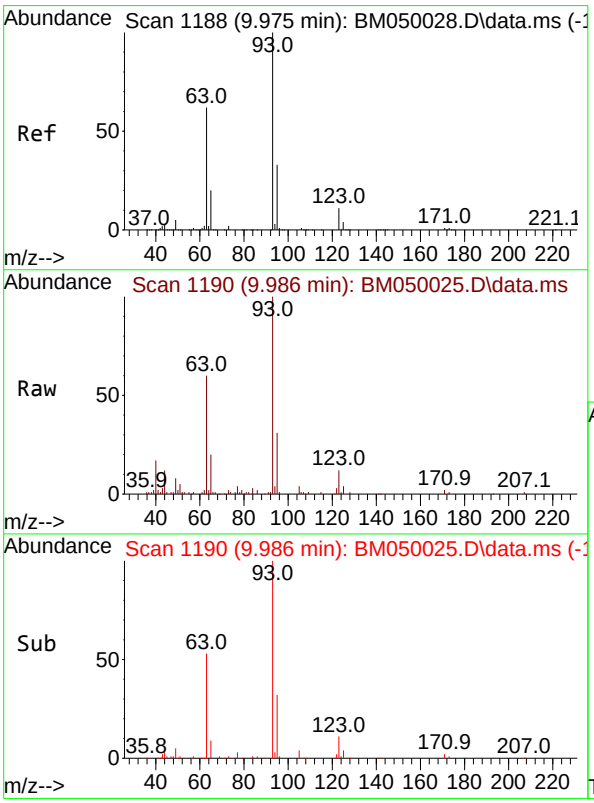
#27
2,4-Dimethylphenol
Concen: 4.427 ng
RT: 9.763 min Scan# 11
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:122 Resp: 53660

Ion	Ratio	Lower	Upper
122	100		
107	112.5	89.0	133.6
121	57.0	45.6	68.4

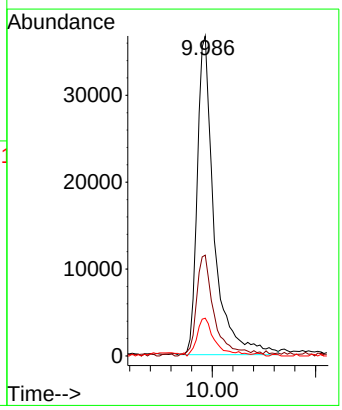


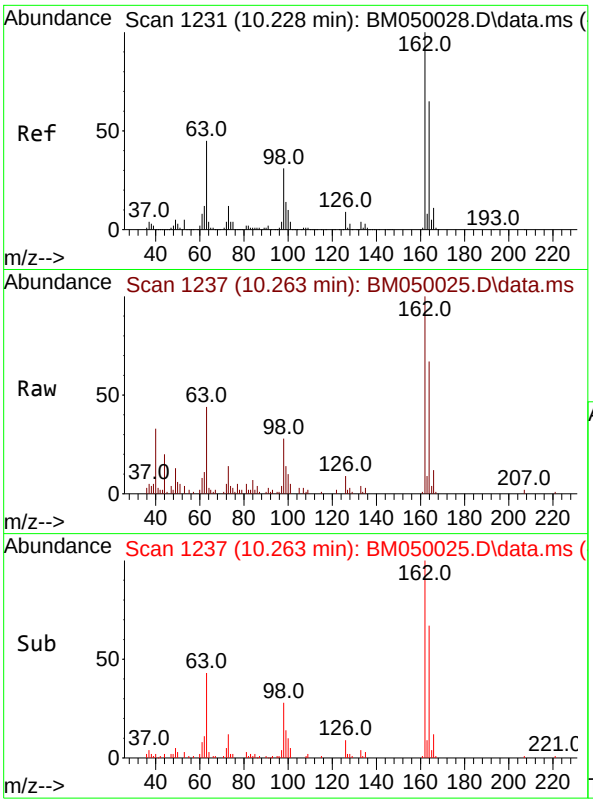


#28
bis(2-Chloroethoxy)methane
Concen: 4.758 ng
RT: 9.986 min Scan# 1190
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion: 93 Resp: 82947

Ion	Ratio	Lower	Upper
93	100		
95	31.5	26.1	39.1
123	11.8	9.5	14.3



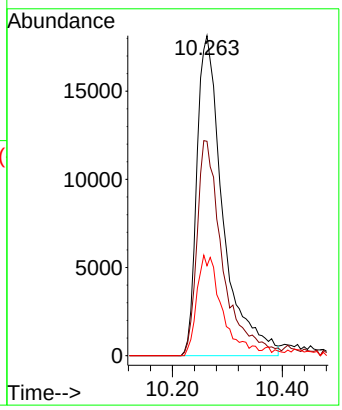


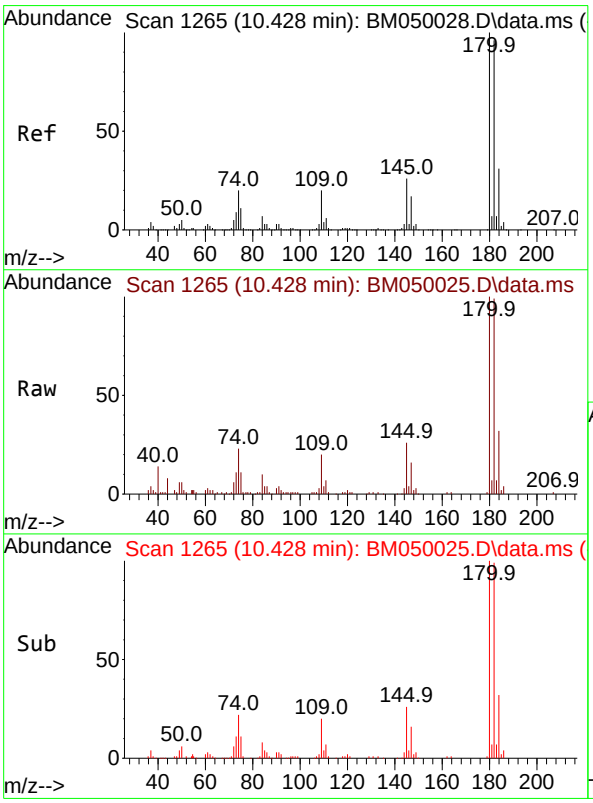
#29
2,4-Dichlorophenol
Concen: 4.406 ng
RT: 10.263 min Scan# 1
Delta R.T. 0.035 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 59828

Ion	Ratio	Lower	Upper
162	100		
164	67.0	45.4	85.4
98	28.1	11.3	51.3

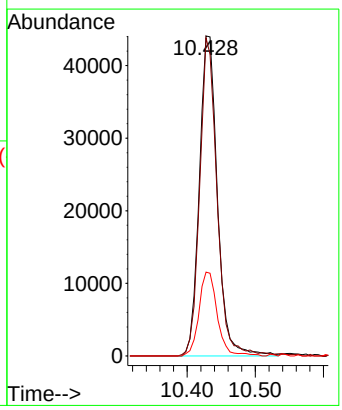


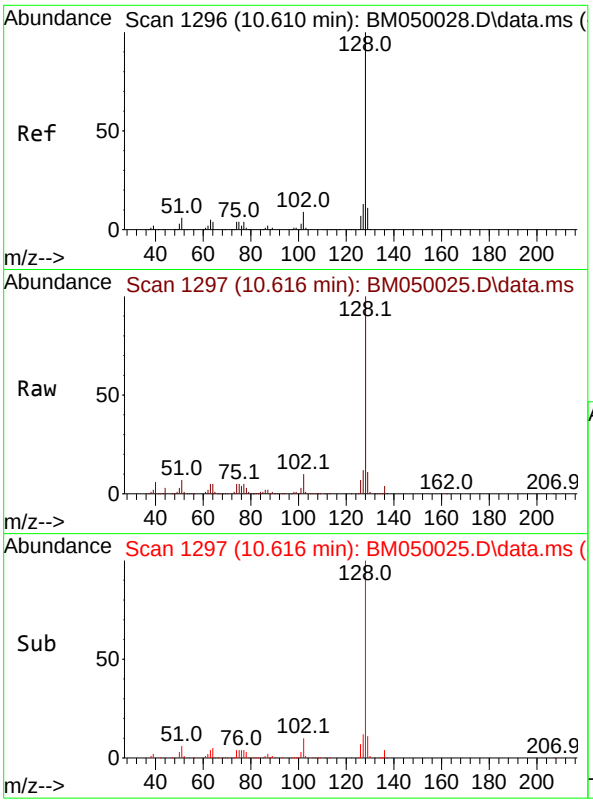


#30
1,2,4-Trichlorobenzene
Concen: 4.934 ng
RT: 10.428 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:180 Resp: 81624

Ion	Ratio	Lower	Upper
180	100		
182	99.4	77.0	115.4
145	26.2	20.6	30.8



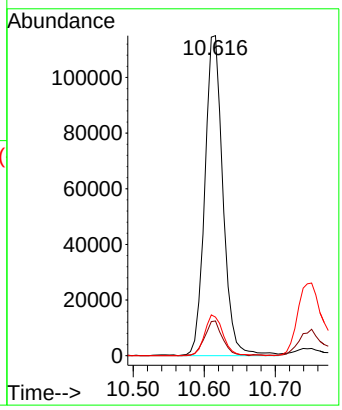


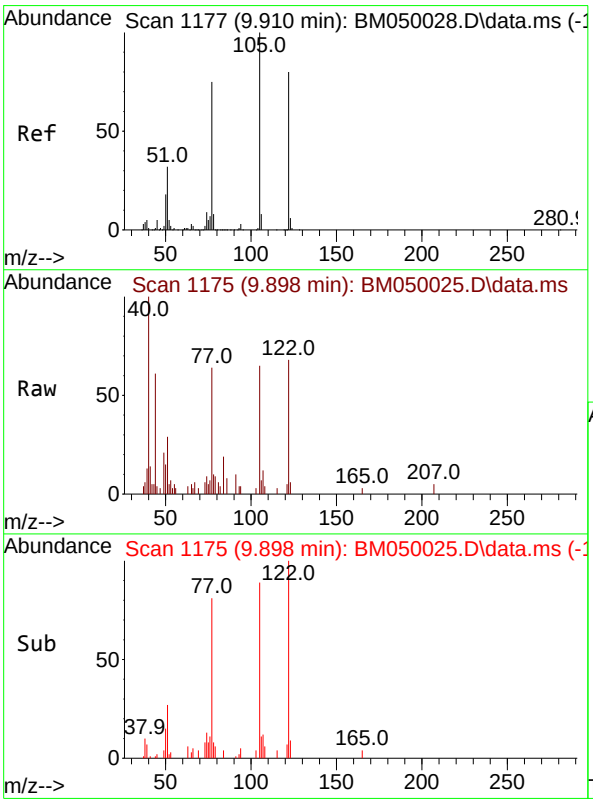
#31
Naphthalene
Concen: 4.944 ng
RT: 10.616 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 204133

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	12.0	10.4	15.6

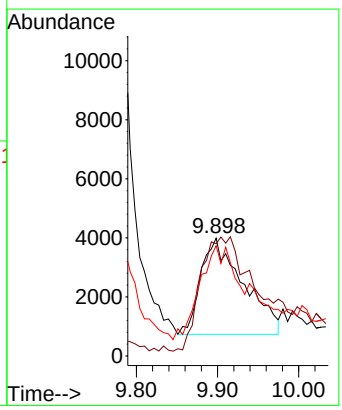


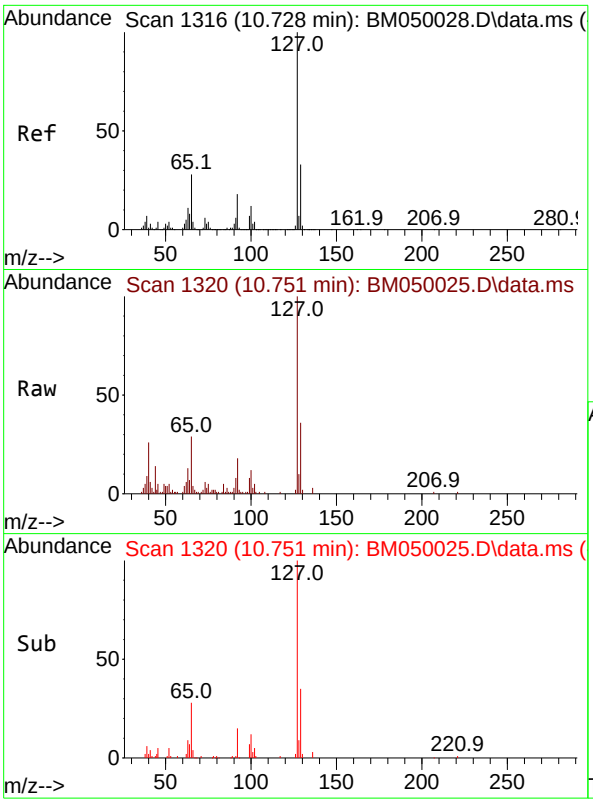


#32
Benzoic acid
Concen: 1.550 ng
RT: 9.898 min Scan# 1175
Delta R.T. -0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:122 Resp: 11980

Ion	Ratio	Lower	Upper
122	100		
105	95.4	103.6	143.6#
77	93.7	73.7	113.7



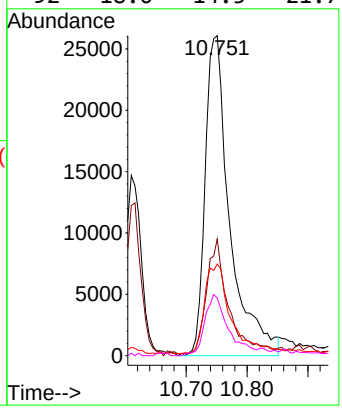


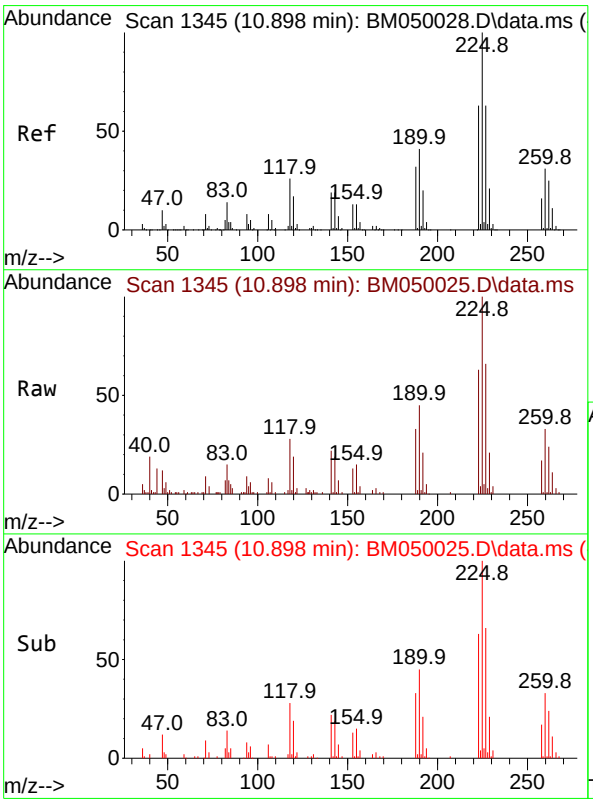
#33
4-Chloroaniline
Concen: 4.345 ng
RT: 10.751 min Scan# 1
Delta R.T. 0.023 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:127 Resp: 73542

Ion	Ratio	Lower	Upper
127	100		
129	36.4	26.3	39.5
65	28.6	22.5	33.7
92	18.0	14.5	21.7

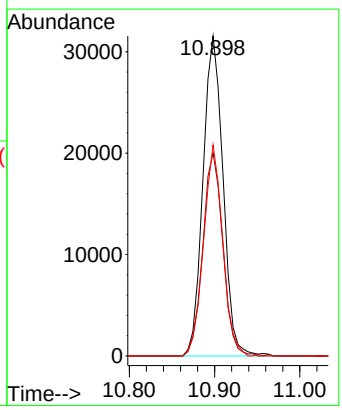


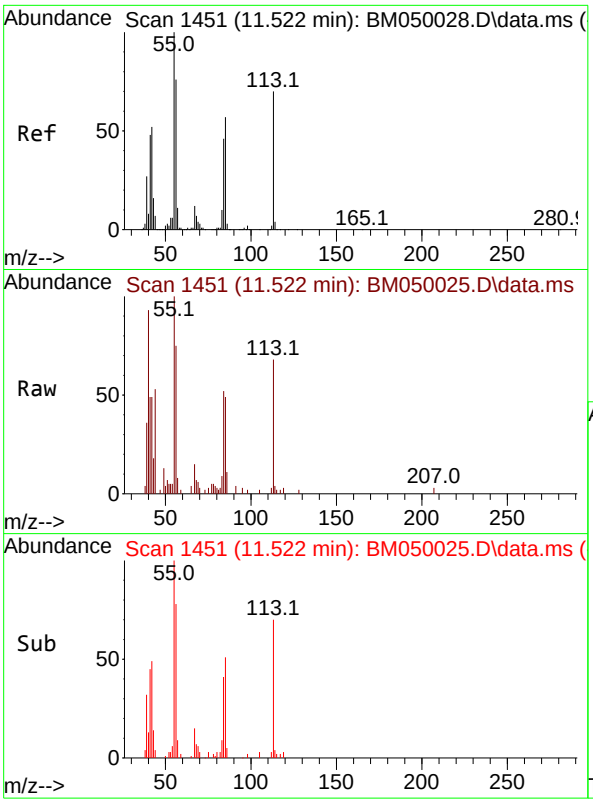


#34
Hexachlorobutadiene
Concen: 4.907 ng
RT: 10.898 min Scan# 1345
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:225 Resp: 51529

Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.2	75.2
227	65.9	50.6	76.0



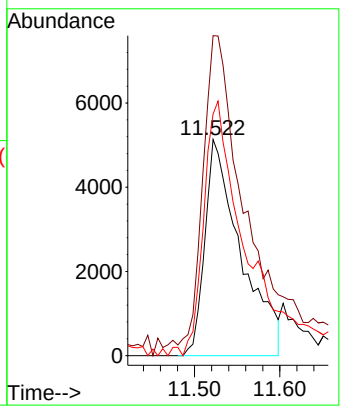


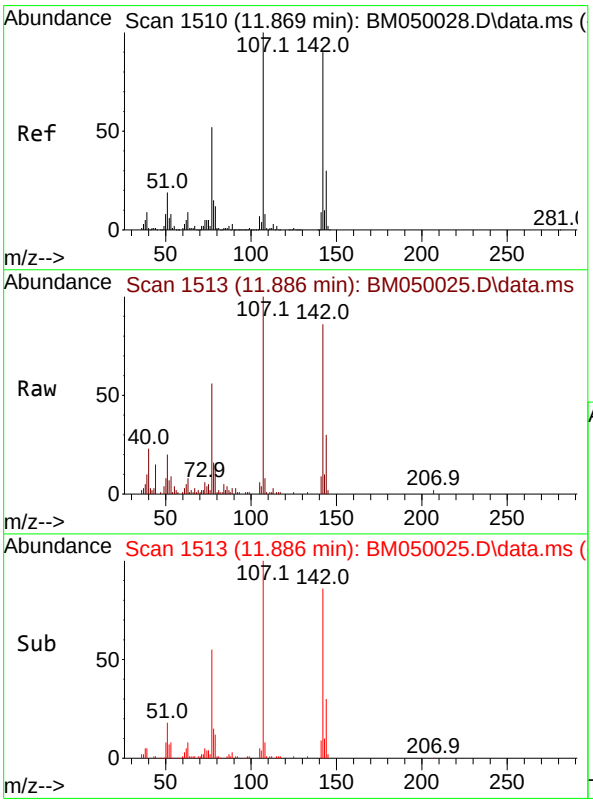
#35
Caprolactam
Concen: 3.799 ng
RT: 11.522 min Scan# 14
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:113 Resp: 15041

Ion	Ratio	Lower	Upper
113	100		
55	148.1	122.9	162.9
56	111.8	88.1	128.1

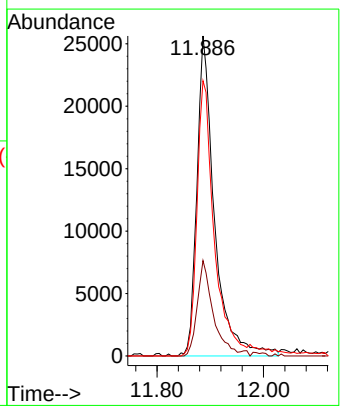


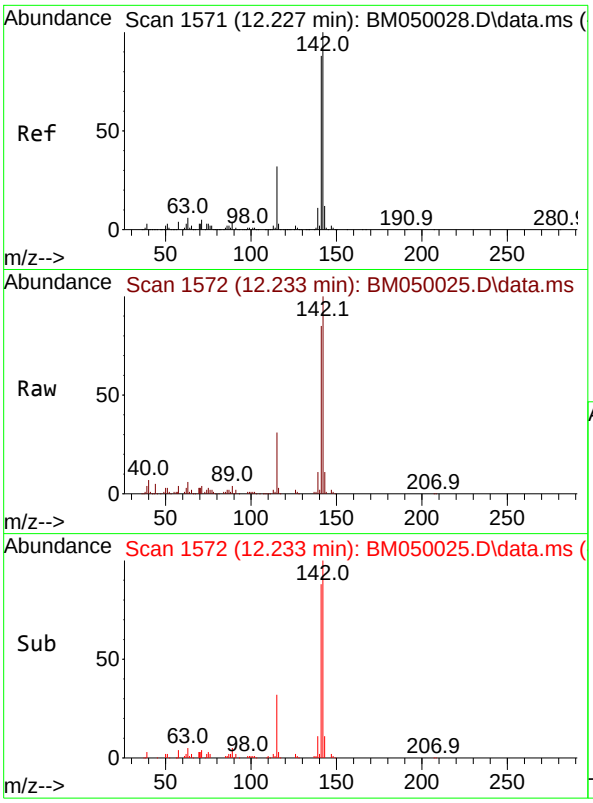


#36
4-Chloro-3-methylphenol
Concen: 4.690 ng
RT: 11.886 min Scan# 1513
Delta R.T. 0.018 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:107 Resp: 58843

Ion	Ratio	Lower	Upper
107	100		
144	29.8	23.8	35.6
142	86.0	71.9	107.9



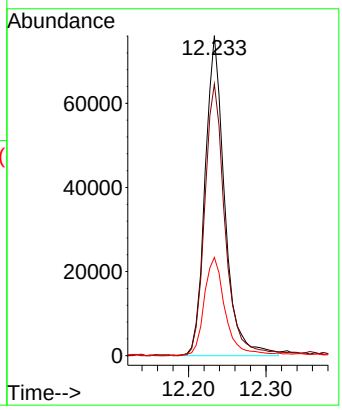


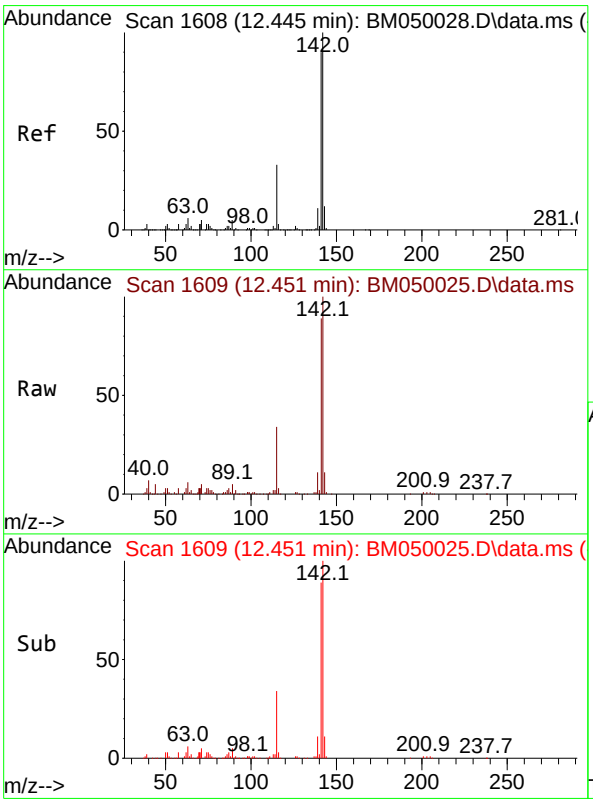
#37
2-Methylnaphthalene
Concen: 4.829 ng
RT: 12.233 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 133679

Ion	Ratio	Lower	Upper
142	100		
141	84.9	70.4	105.6
115	30.7	25.4	38.2

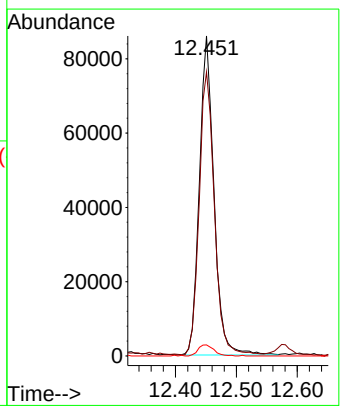


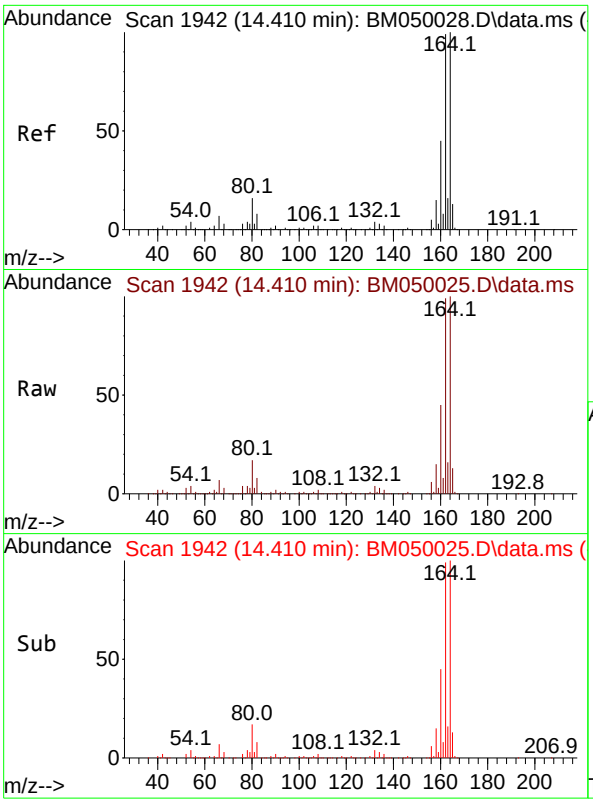


#38
1-Methylnaphthalene
Concen: 4.892 ng
RT: 12.451 min Scan# 1609
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:142 Resp: 143332

Ion	Ratio	Lower	Upper
142	100		
141	88.7	72.1	108.1
116	3.5	2.7	4.1



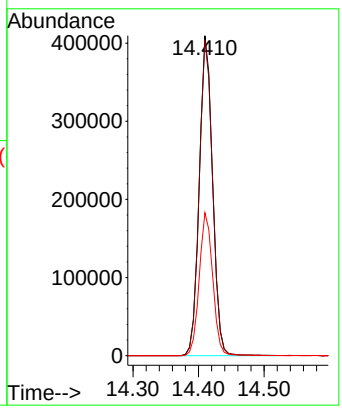


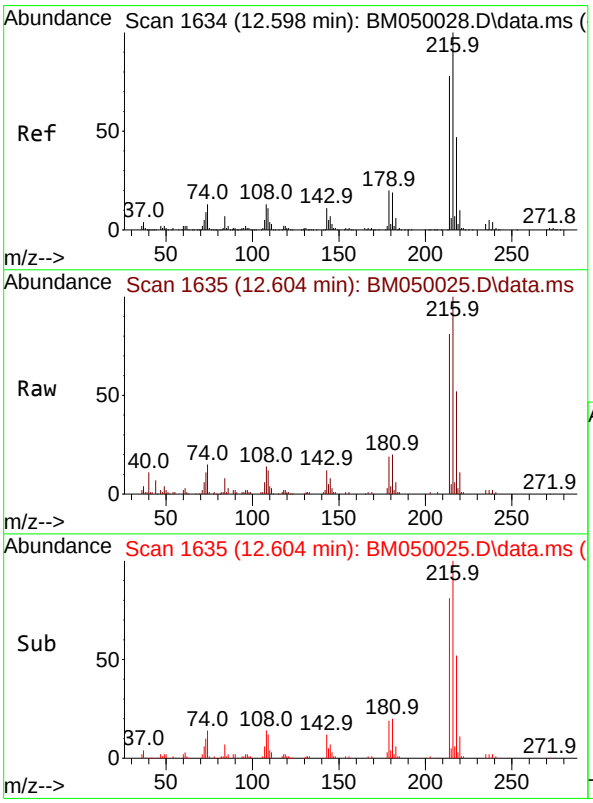
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:164 Resp: 578294

Ion	Ratio	Lower	Upper
164	100		
162	98.6	79.4	119.0
160	44.6	36.2	54.4

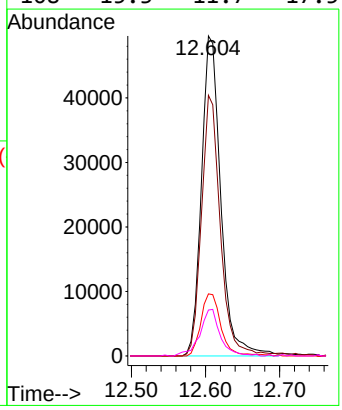


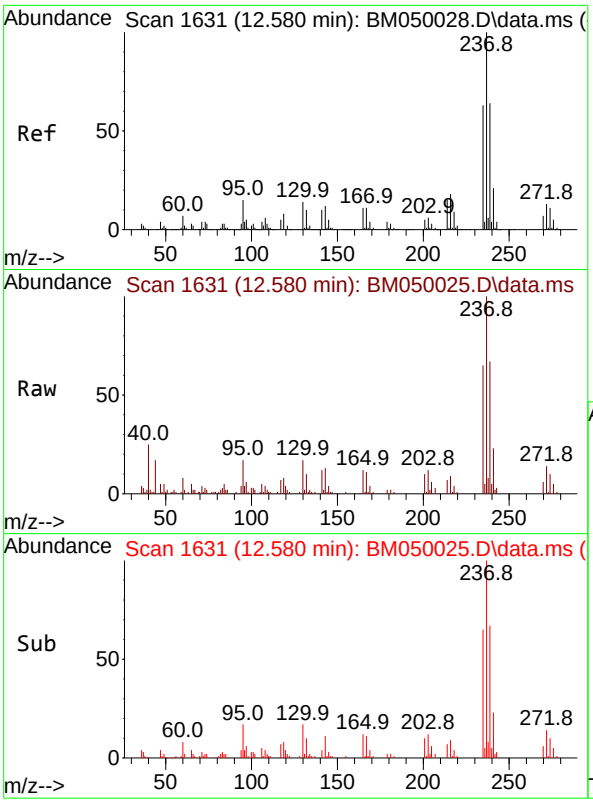


#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.504 ng
RT: 12.604 min Scan# 1635
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:216 Resp: 90168

Ion	Ratio	Lower	Upper
216	100		
214	79.1	62.3	93.5
179	20.2	15.4	23.0
108	15.3	11.7	17.5



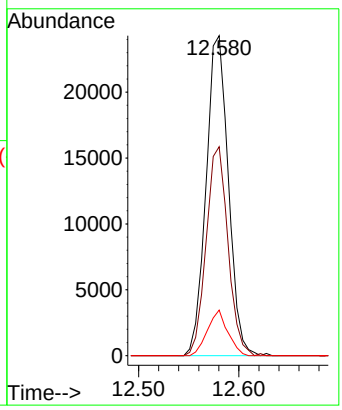


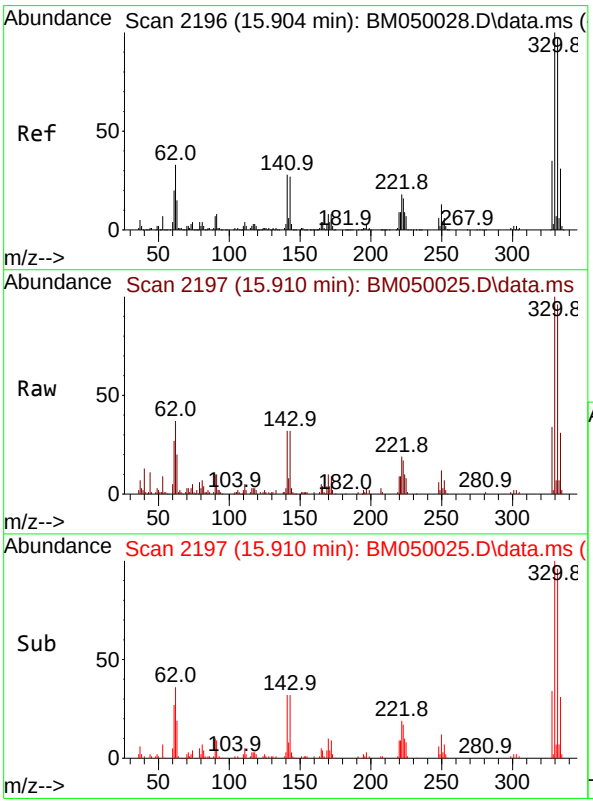
#41
Hexachlorocyclopentadiene
Concen: 3.072 ng
RT: 12.580 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:237 Resp: 37579

Ion	Ratio	Lower	Upper
237	100		
235	65.3	42.9	82.9
272	14.3	0.0	32.9

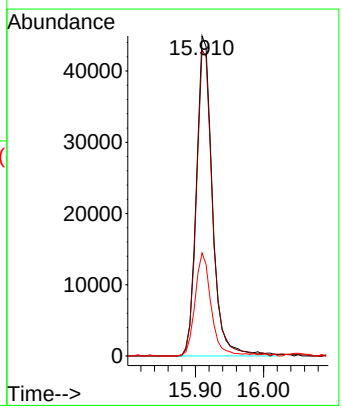


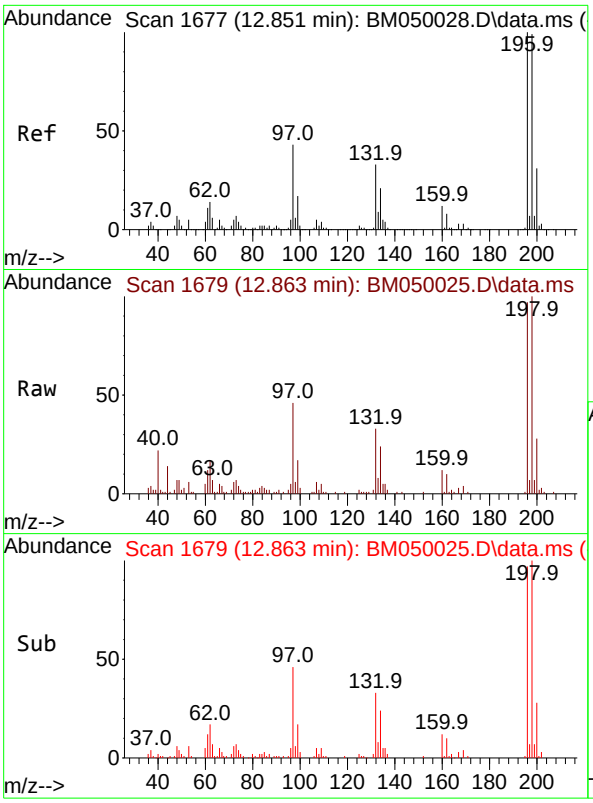


#42
2,4,6-Tribromophenol
Concen: 8.560 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:330 Resp: 73192

Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.3	115.9
141	32.6	22.5	33.7



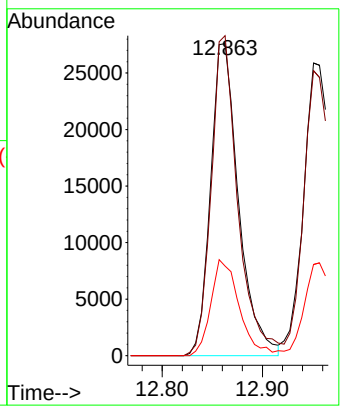


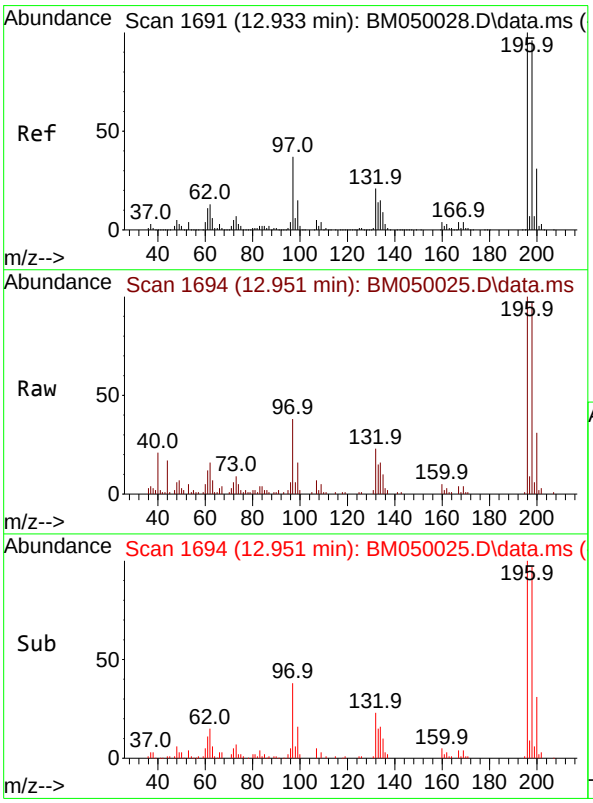
#43
2,4,6-Trichlorophenol
Concen: 4.233 ng
RT: 12.863 min Scan# 1
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:196 Resp: 53748

Ion	Ratio	Lower	Upper
196	100		
198	102.6	79.0	118.6
200	28.7	25.1	37.7

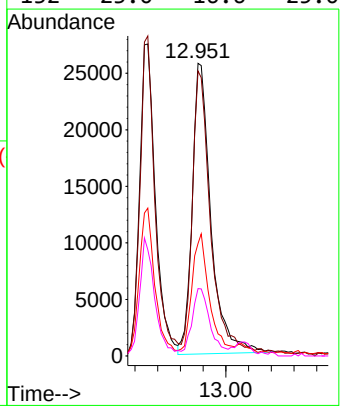


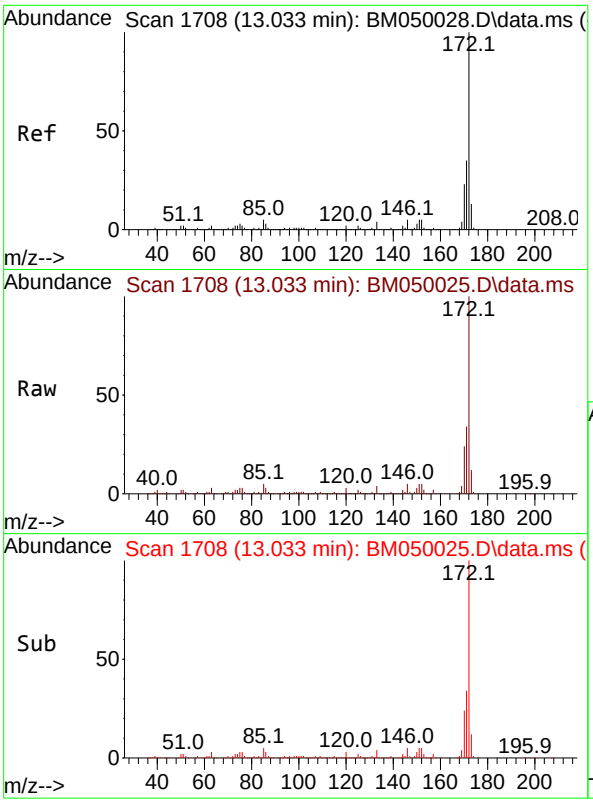


#44
2,4,5-Trichlorophenol
Concen: 4.325 ng
RT: 12.951 min Scan# 1694
Delta R.T. 0.018 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:196 Resp: 59224

Ion	Ratio	Lower	Upper
196	100		
198	97.4	76.7	115.1
97	38.4	30.1	45.1
132	23.0	16.6	25.0



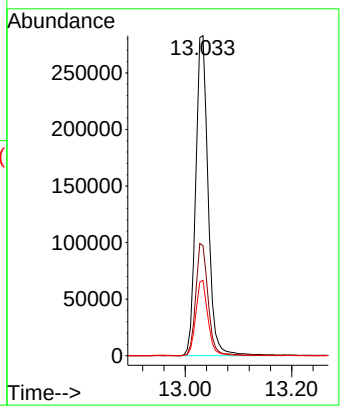


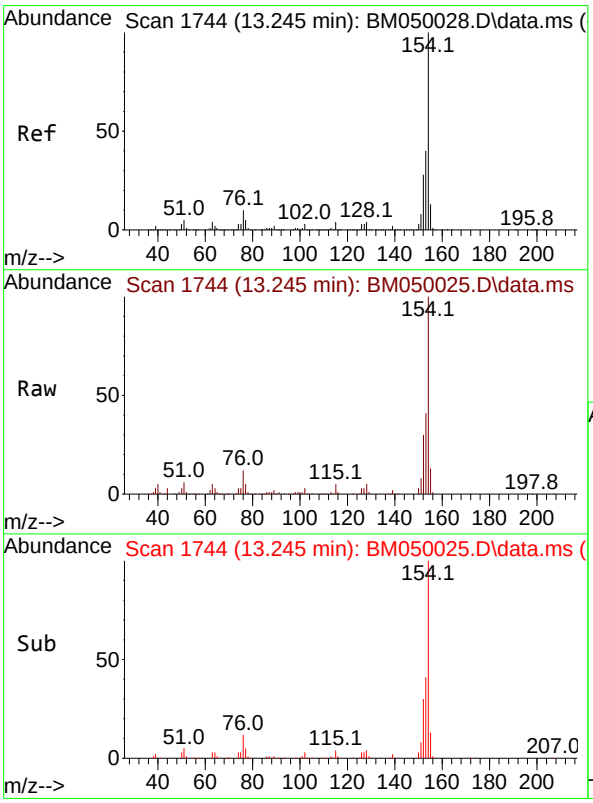
#45
2-Fluorobiphenyl
Concen: 9.390 ng
RT: 13.033 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:172 Resp: 459031

Ion	Ratio	Lower	Upper
172	100		
171	34.4	27.8	41.6
170	23.5	18.6	28.0

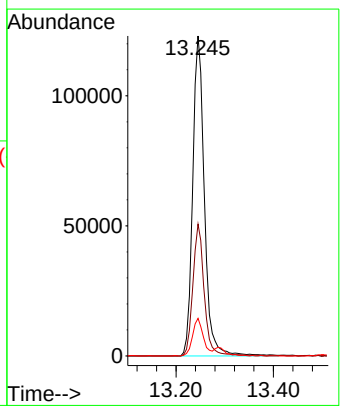


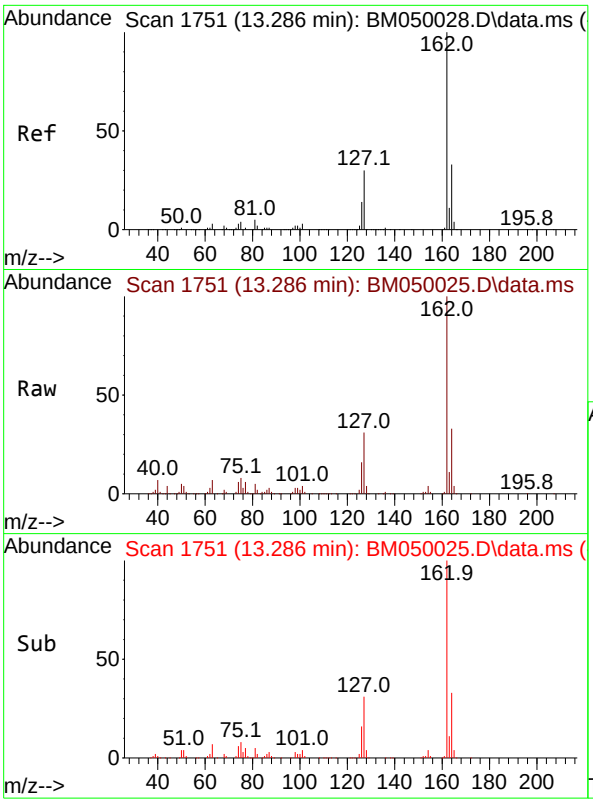


#46
1,1'-Biphenyl
Concen: 4.799 ng
RT: 13.245 min Scan# 1744
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:154 Resp: 206296

Ion	Ratio	Lower	Upper
154	100		
153	41.2	20.0	60.0
76	11.8	0.0	30.3



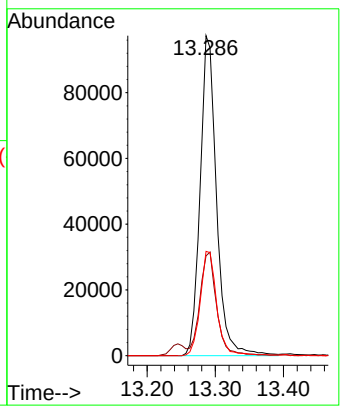


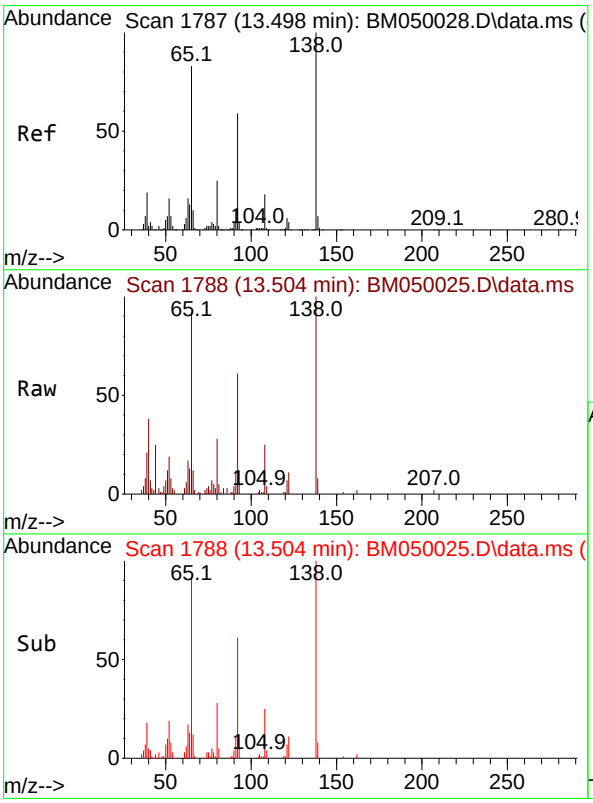
#47
2-Chloronaphthalene
Concen: 4.782 ng
RT: 13.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 162803

Ion	Ratio	Lower	Upper
162	100		
127	31.2	25.9	38.9
164	32.6	26.6	40.0

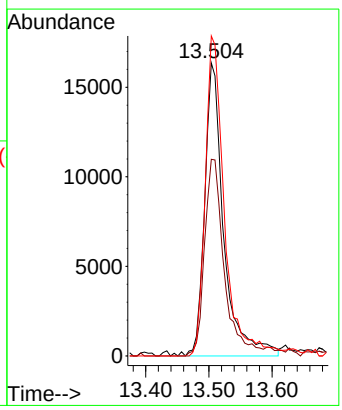


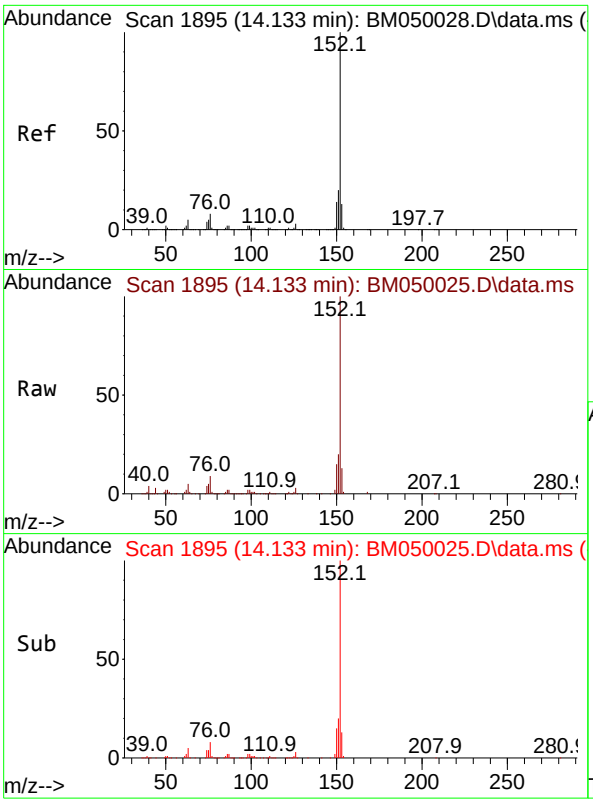


#48
2-Nitroaniline
Concen: 4.299 ng
RT: 13.504 min Scan# 1788
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion: 65 Resp: 34348

Ion	Ratio	Lower	Upper
65	100		
92	67.1	57.1	85.7
138	109.2	97.0	145.4



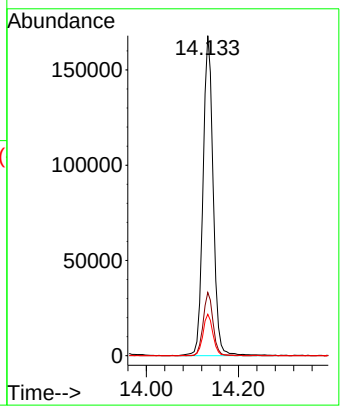


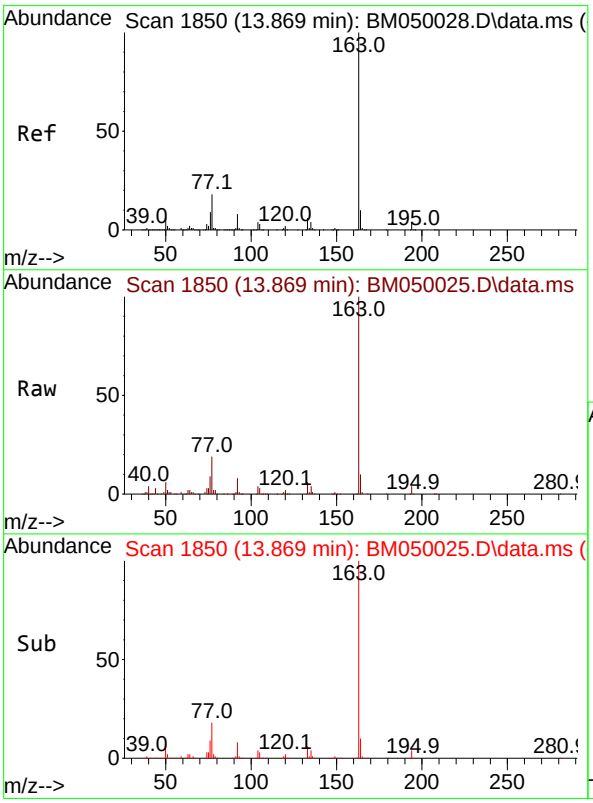
#49
Acenaphthylene
Concen: 4.832 ng
RT: 14.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 259406

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.8
153	12.9	10.6	15.8

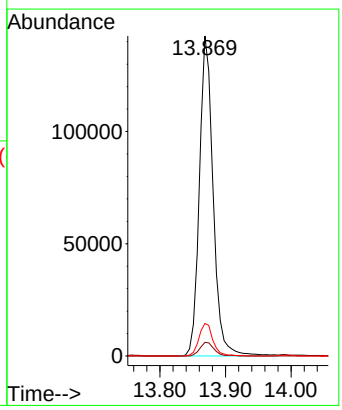


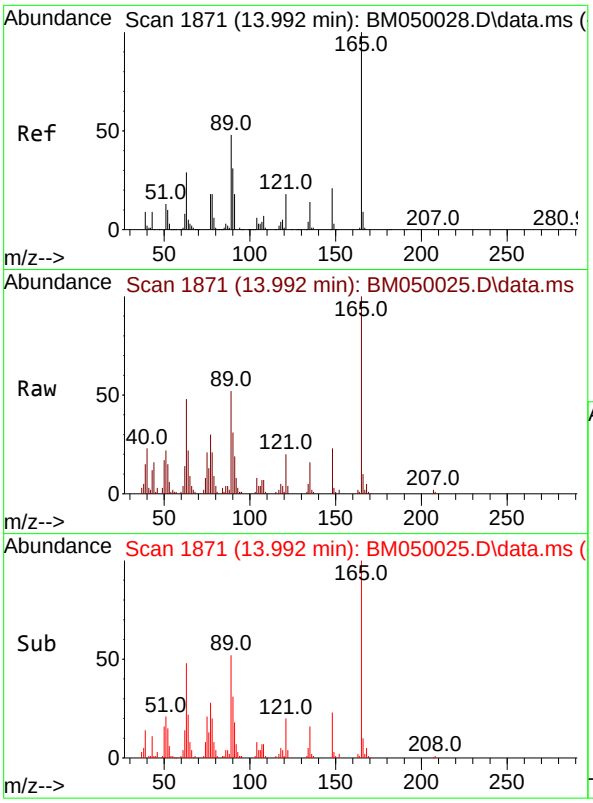


#50
Dimethylphthalate
Concen: 4.941 ng
RT: 13.869 min Scan# 1850
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:163 Resp: 208800

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.2	8.2	12.2



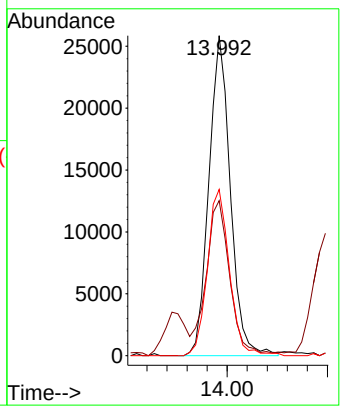


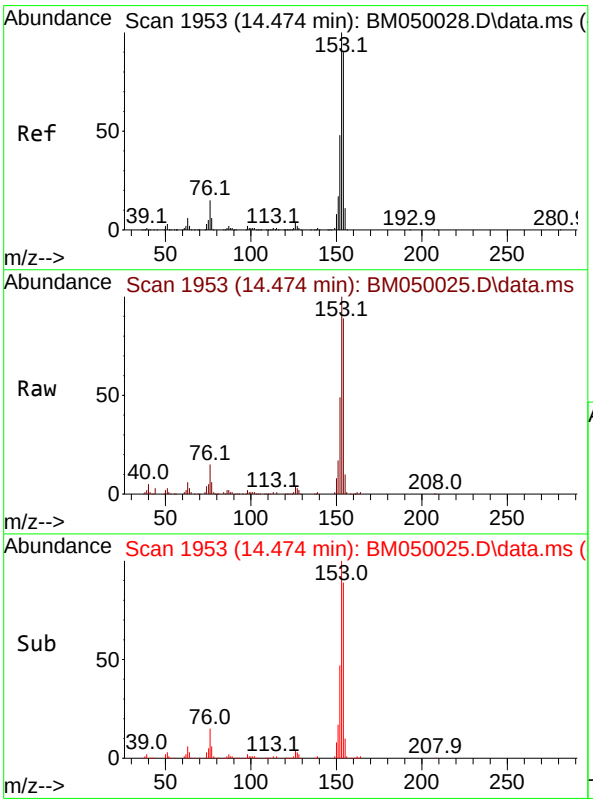
#51
2,6-Dinitrotoluene
Concen: 4.395 ng
RT: 13.992 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:165 Resp: 38453

Ion	Ratio	Lower	Upper
165	100		
63	48.5	35.1	52.7
89	51.9	38.4	57.6

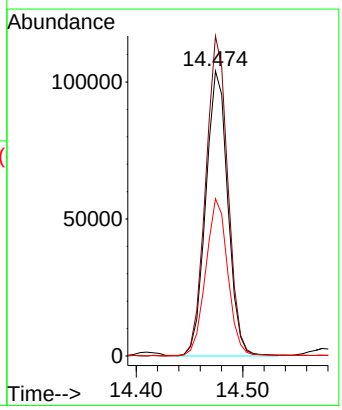


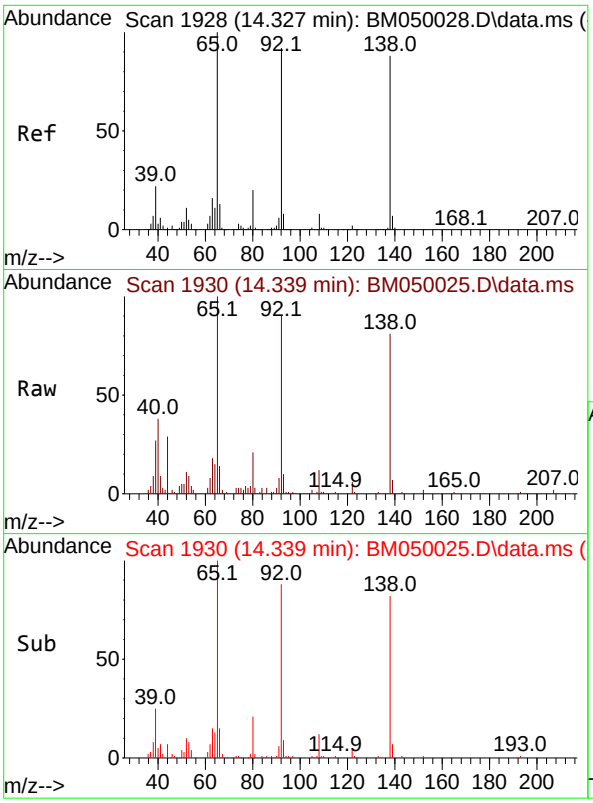


#52
Acenaphthene
Concen: 4.829 ng
RT: 14.474 min Scan# 1953
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:154 Resp: 150042

Ion	Ratio	Lower	Upper
154	100		
153	112.3	89.0	133.4
152	55.2	43.0	64.6



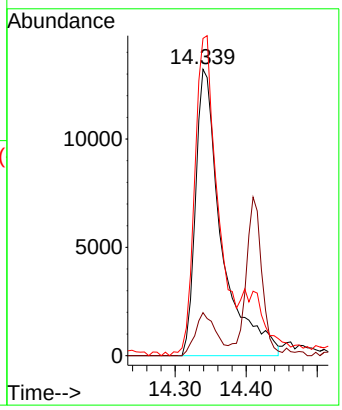


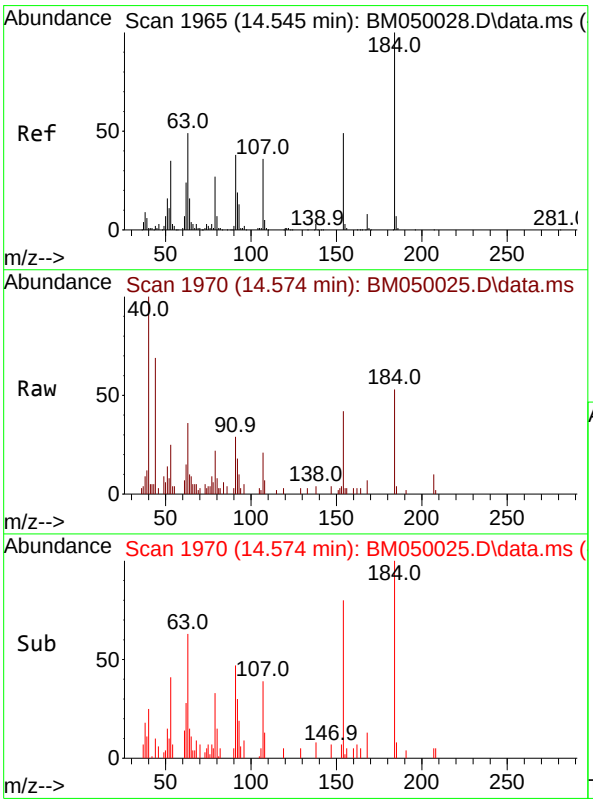
#53
3-Nitroaniline
Concen: 4.036 ng
RT: 14.339 min Scan# 1
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 33713

Ion	Ratio	Lower	Upper
138	100		
108	15.1	7.4	11.2#
92	110.8	84.0	126.0

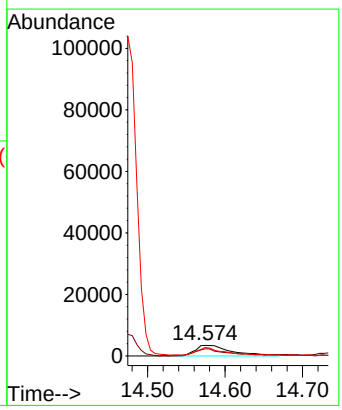


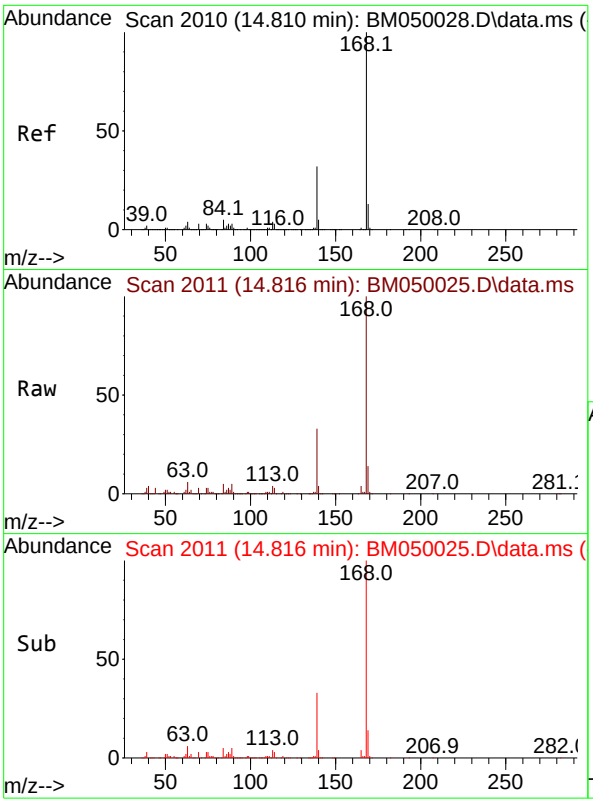


#54
2,4-Dinitrophenol
Concen: 7.621 ng
RT: 14.574 min Scan# 1970
Delta R.T. 0.029 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:184 Resp: 11329

Ion	Ratio	Lower	Upper
184	100		
63	68.1	39.8	59.6#
154	80.3	46.1	69.1#



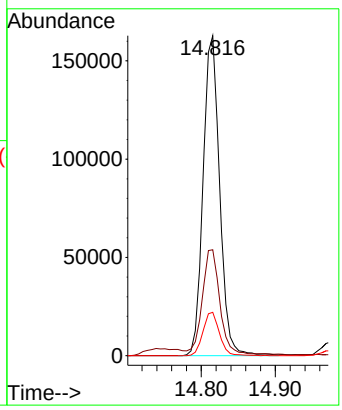


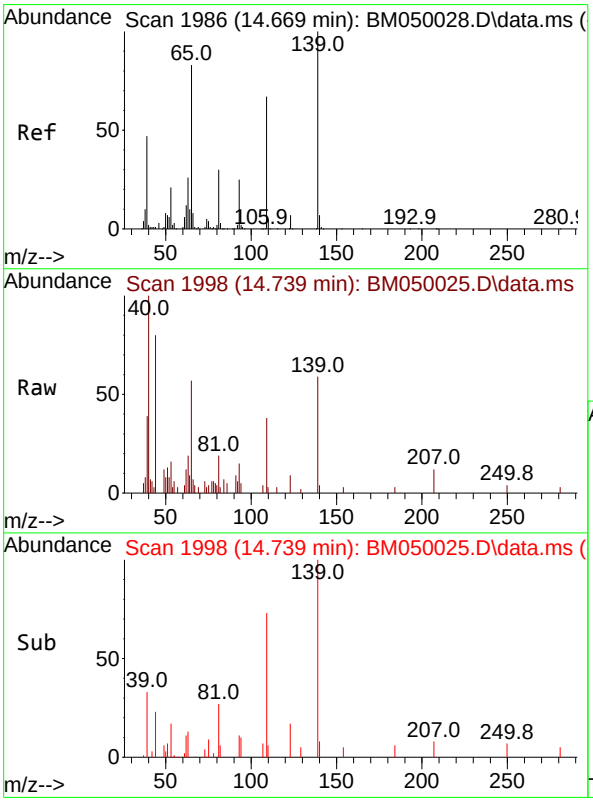
#55
Dibenzofuran
Concen: 4.892 ng
RT: 14.816 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:168 Resp: 252898

Ion	Ratio	Lower	Upper
168	100		
139	33.1	26.1	39.1
169	13.5	10.8	16.2

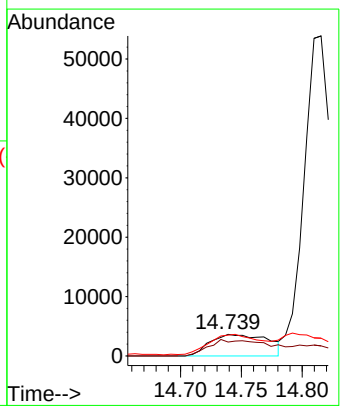


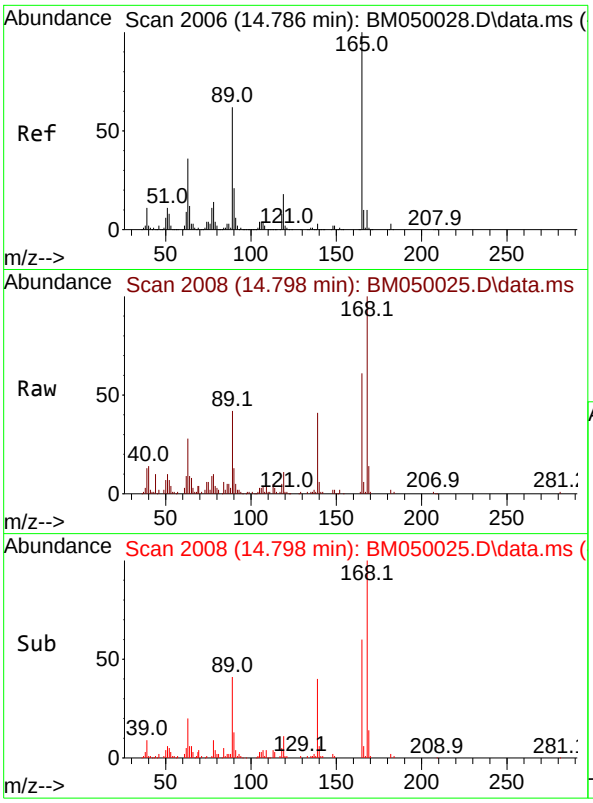


#56
4-Nitrophenol
Concen: 6.200 ng
RT: 14.739 min Scan# 1998
Delta R.T. 0.070 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:139 Resp: 12008

Ion	Ratio	Lower	Upper
139	100		
109	64.5	47.0	87.0
65	96.3	64.3	104.3



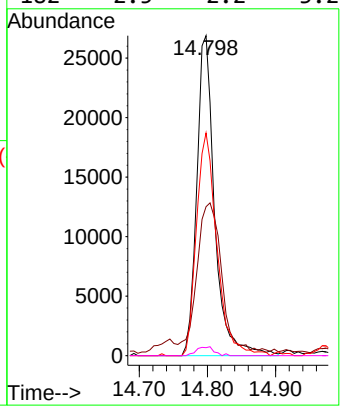


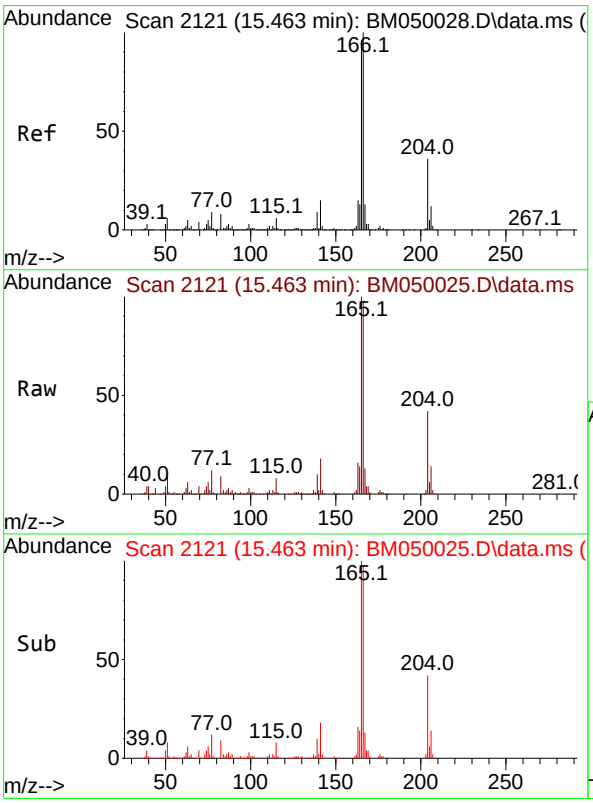
#57
2,4-Dinitrotoluene
Concen: 4.044 ng
RT: 14.798 min Scan# 2
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:165 Resp: 48901

Ion	Ratio	Lower	Upper
165	100		
63	46.6	29.0	43.6#
89	69.6	49.4	74.2
182	2.5	2.2	3.2

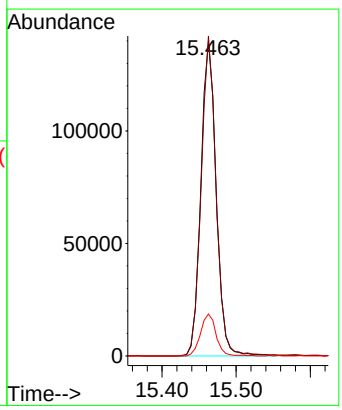


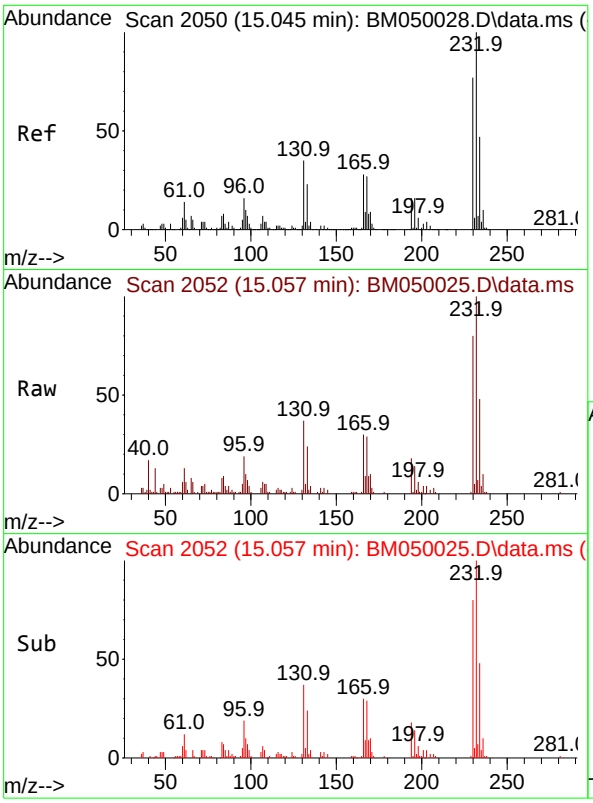


#58
Fluorene
Concen: 4.739 ng
RT: 15.463 min Scan# 2121
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:166 Resp: 200542

Ion	Ratio	Lower	Upper
166	100		
165	101.8	76.6	115.0
167	13.4	10.6	16.0



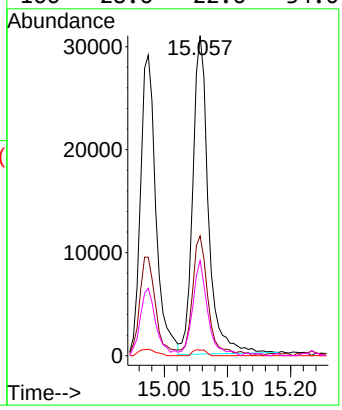


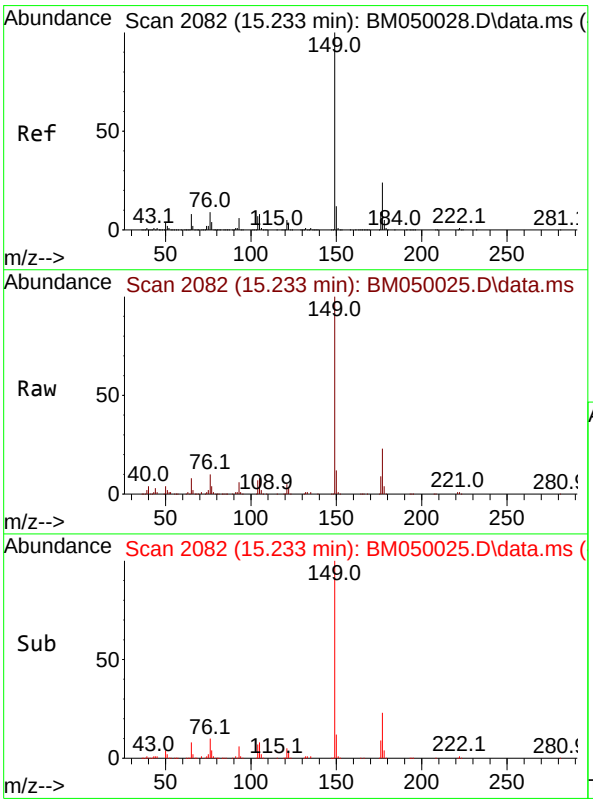
#59
2,3,4,6-Tetrachlorophenol
Concen: 4.463 ng
RT: 15.057 min Scan# 2
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:232 Resp: 52899

Ion	Ratio	Lower	Upper
232	100		
131	38.0	28.2	42.4
130	1.6	1.5	2.3
166	28.6	22.6	34.0

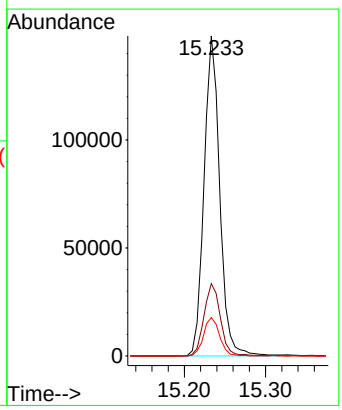


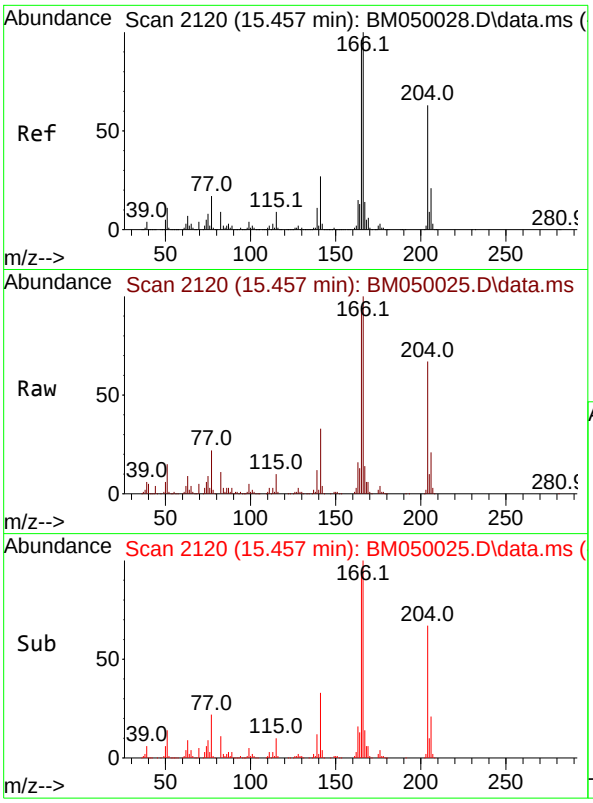


#60
Diethylphthalate
Concen: 4.981 ng
RT: 15.233 min Scan# 2082
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:149 Resp: 198362

Ion	Ratio	Lower	Upper
149	100		
177	22.6	19.1	28.7
150	12.0	9.6	14.4



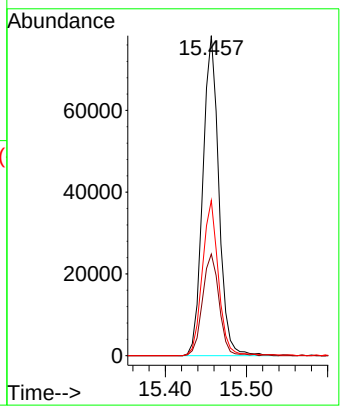


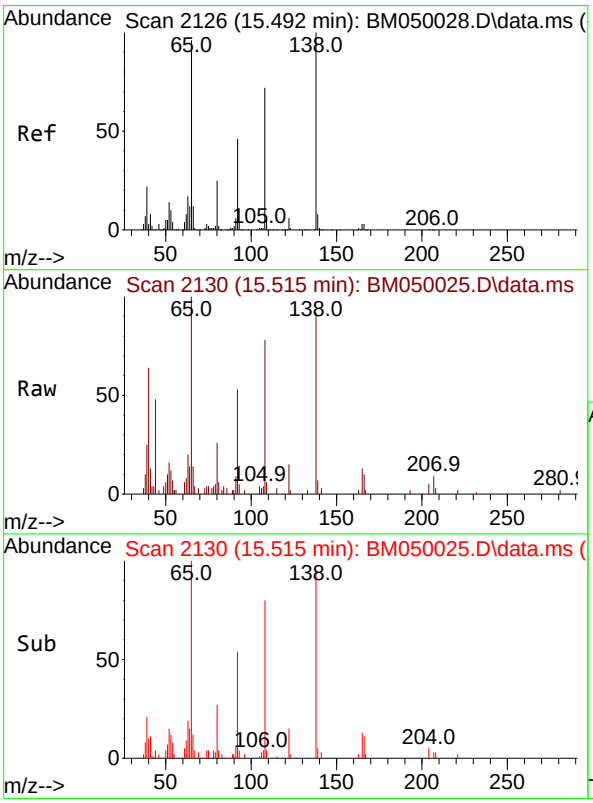
#61
4-Chlorophenyl-phenylether
Concen: 4.607 ng
RT: 15.457 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:204 Resp: 107081

Ion	Ratio	Lower	Upper
204	100		
206	31.7	26.3	39.5
141	48.5	34.0	51.0

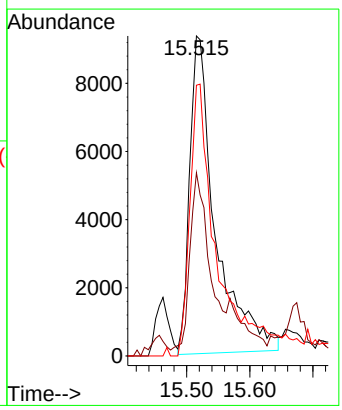


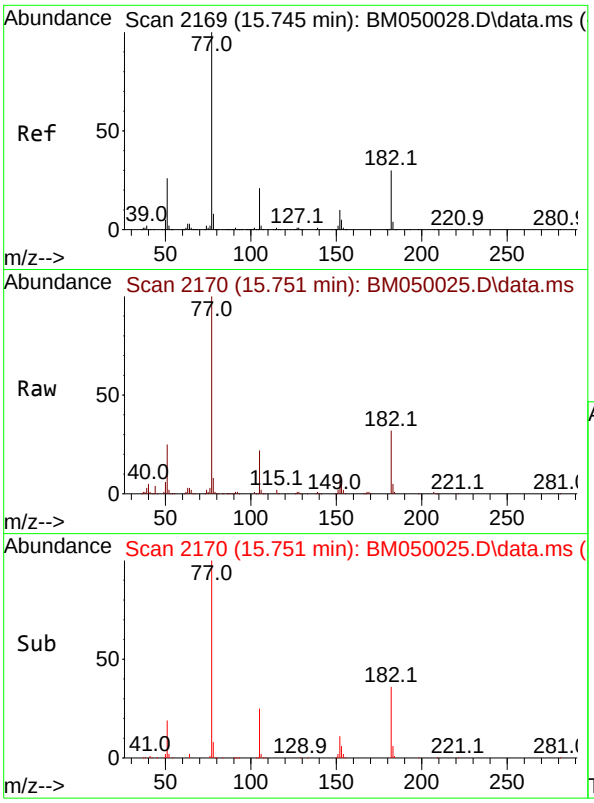


#62
4-Nitroaniline
Concen: 3.306 ng
RT: 15.515 min Scan# 2130
Delta R.T. 0.023 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:138 Resp: 26663

Ion	Ratio	Lower	Upper
138	100		
92	57.3	25.9	65.9
108	84.6	52.4	92.4



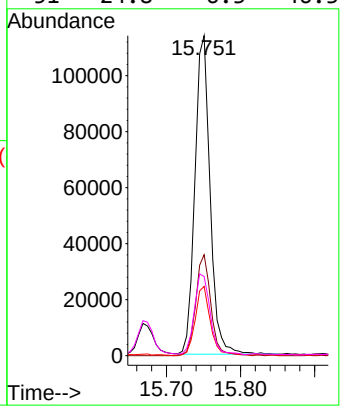


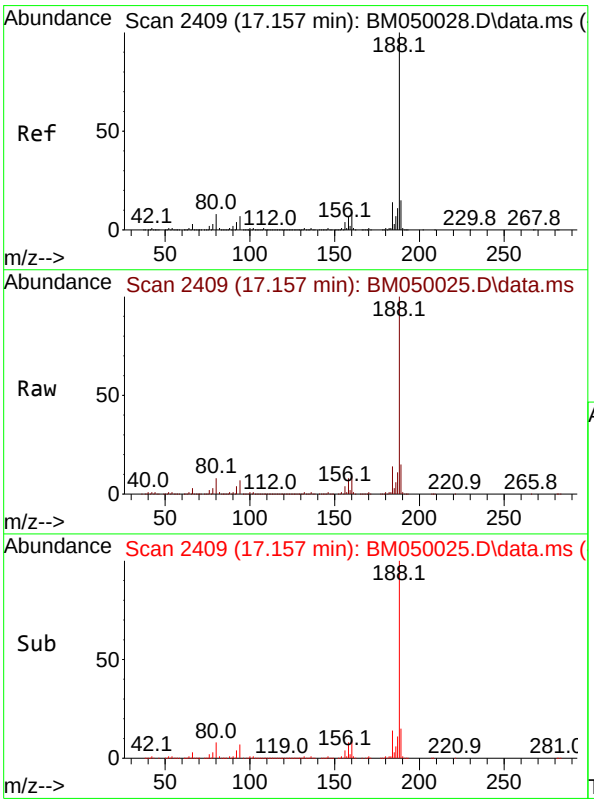
#63
Azobenzene
Concen: 4.844 ng
RT: 15.751 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 161662

Ion	Ratio	Lower	Upper
77	100		
182	31.6	10.5	50.5
105	21.7	1.1	41.1
51	24.8	6.3	46.3

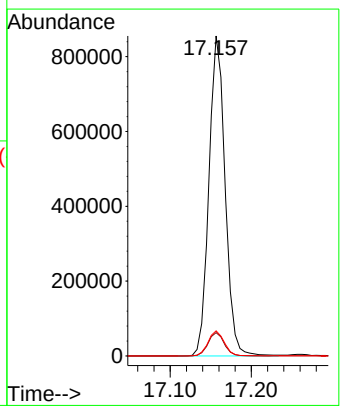


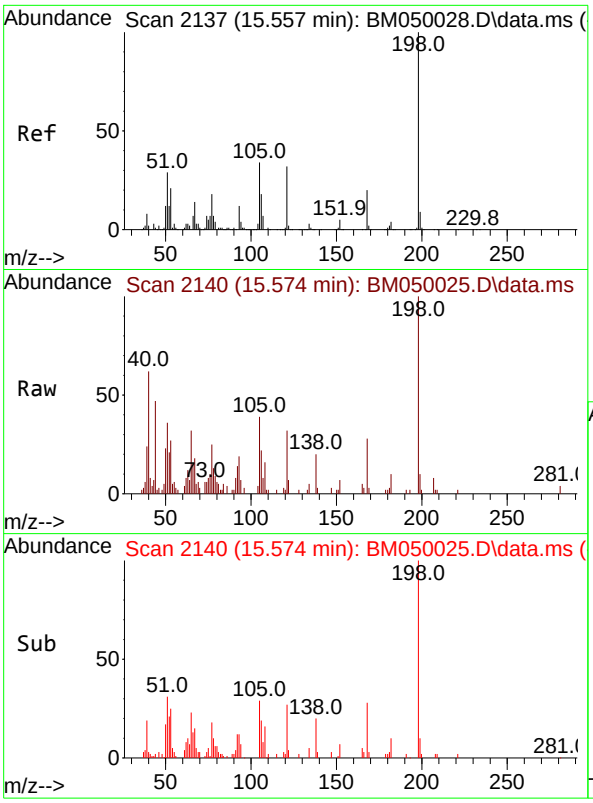


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:188 Resp: 1183325

Ion	Ratio	Lower	Upper
188	100		
94	7.3	5.7	8.5
80	7.9	6.2	9.4



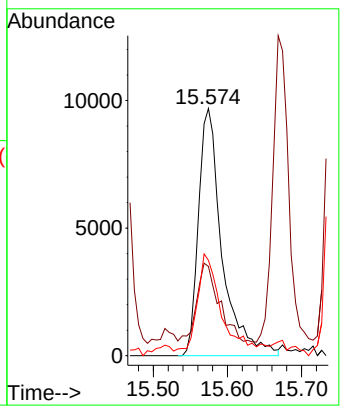


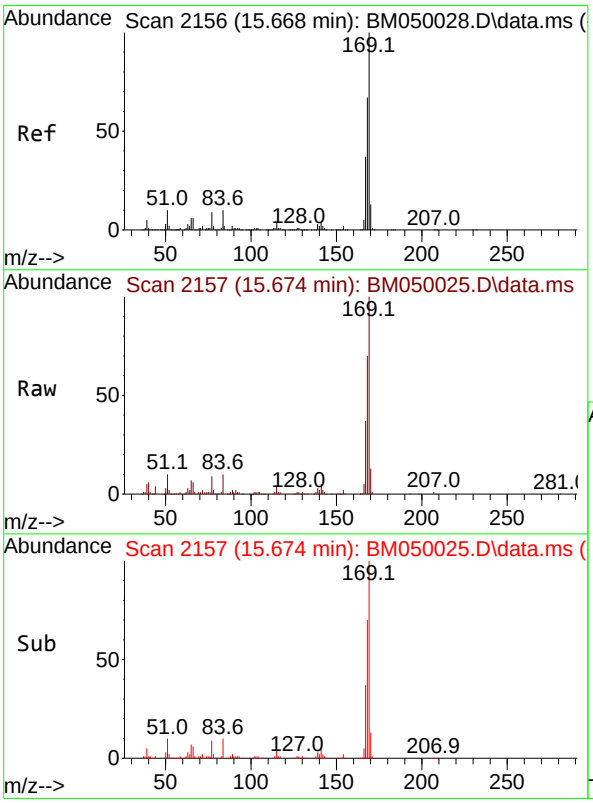
#65
4,6-Dinitro-2-methylphenol
Concen: 2.885 ng
RT: 15.574 min Scan# 21
Delta R.T. 0.017 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:198 Resp: 21367

Ion	Ratio	Lower	Upper
198	100		
51	36.1	10.4	50.4
105	38.6	14.6	54.6

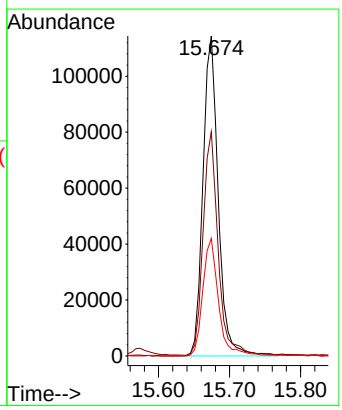


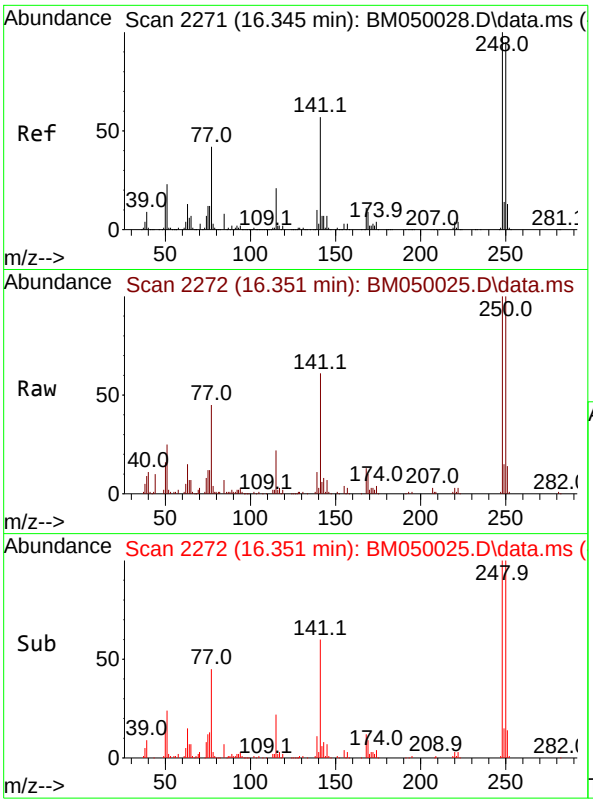


#66
n-Nitrosodiphenylamine
Concen: 4.723 ng
RT: 15.674 min Scan# 2157
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:169 Resp: 171608

Ion	Ratio	Lower	Upper
169	100		
168	70.0	53.4	80.2
167	36.7	29.4	44.0



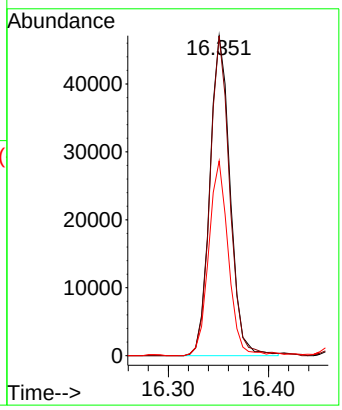


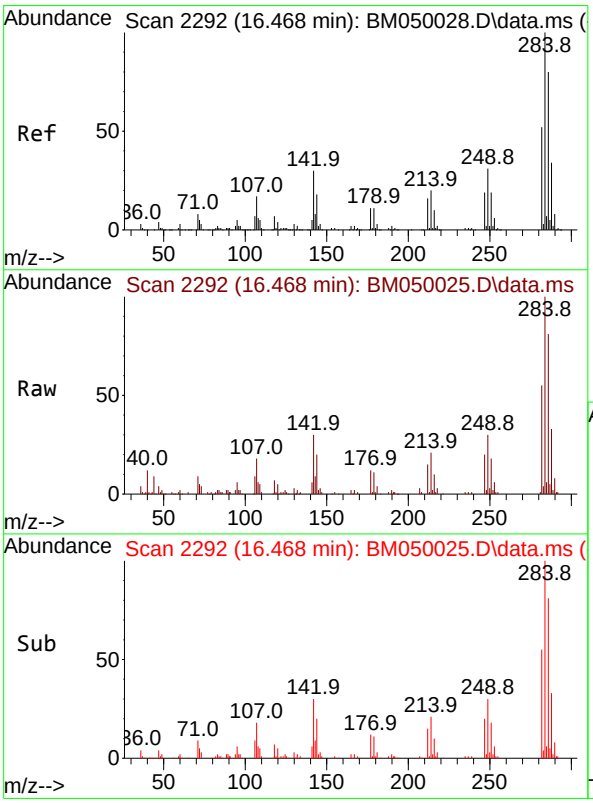
#67
4-Bromophenyl-phenylether
Concen: 4.612 ng
RT: 16.351 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:248 Resp: 66000

Ion	Ratio	Lower	Upper
248	100		
250	99.9	76.2	114.2
141	60.8	45.9	68.9

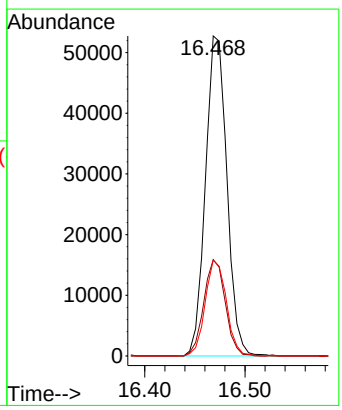


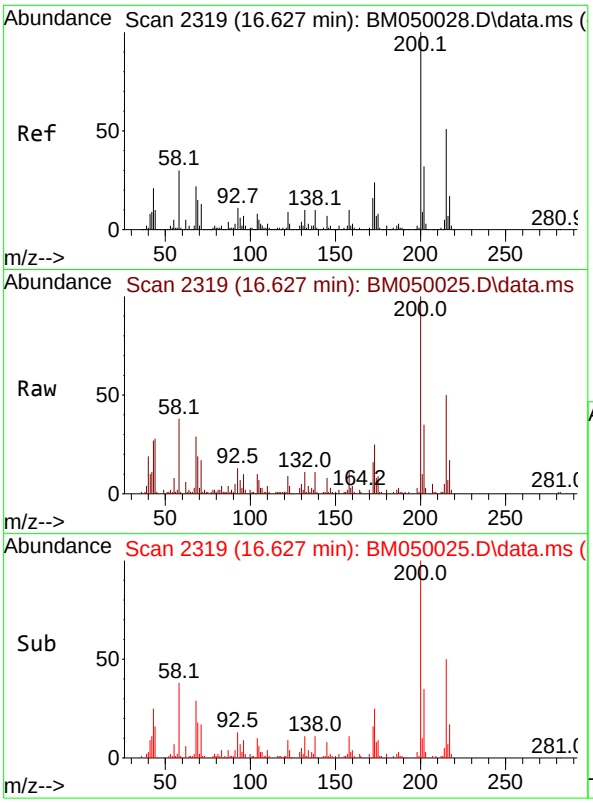


#68
Hexachlorobenzene
Concen: 4.759 ng
RT: 16.468 min Scan# 2292
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:284 Resp: 78506

Ion	Ratio	Lower	Upper
284	100		
142	30.1	23.9	35.9
249	29.9	24.5	36.7



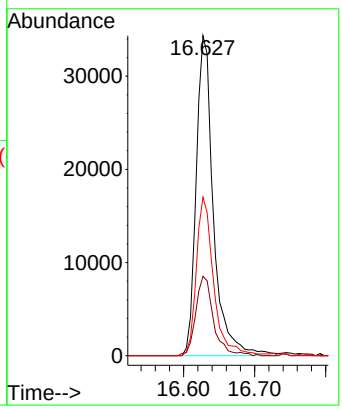


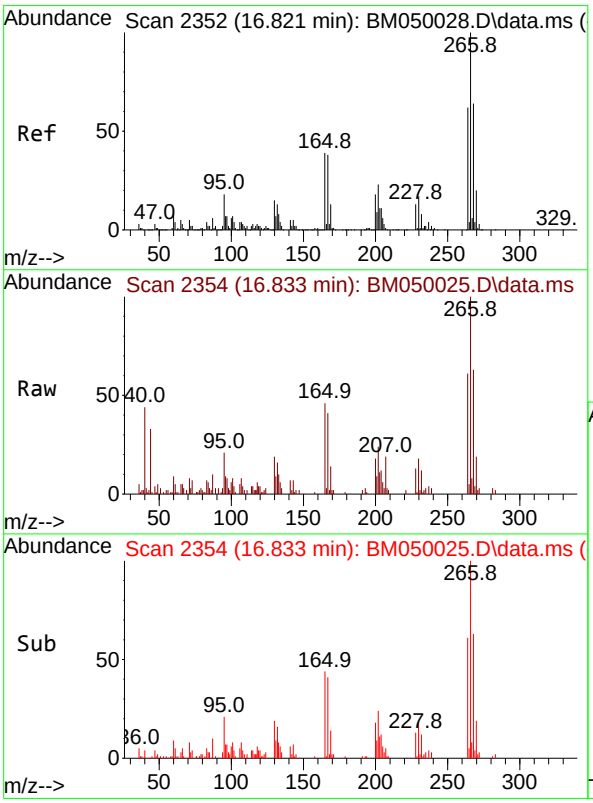
#69
Atrazine
Concen: 4.433 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:200 Resp: 58110

Ion	Ratio	Lower	Upper
200	100		
173	24.8	4.3	44.3
215	49.5	30.6	70.6

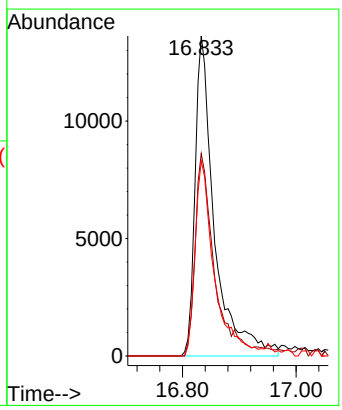


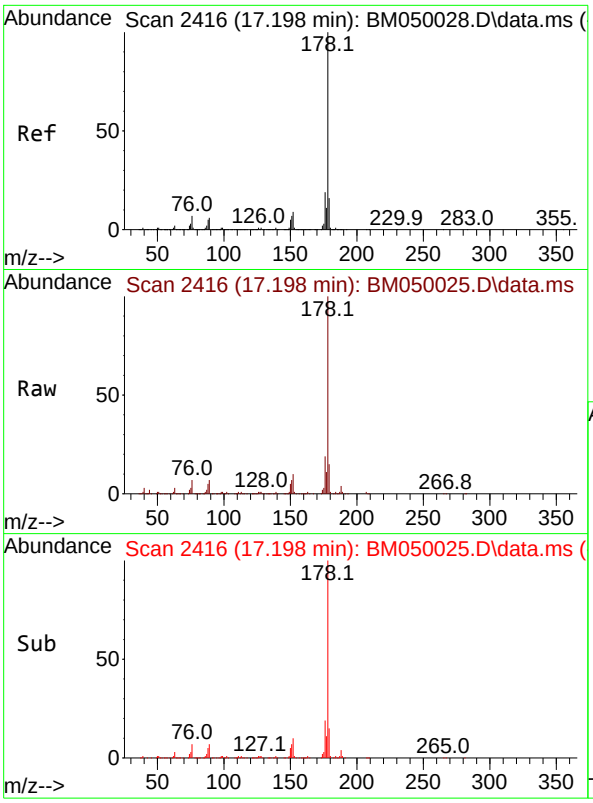


#70
Pentachlorophenol
Concen: 3.491 ng
RT: 16.833 min Scan# 2354
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:266 Resp: 32416

Ion	Ratio	Lower	Upper
266	100		
268	63.2	51.2	76.8
264	60.9	49.6	74.4



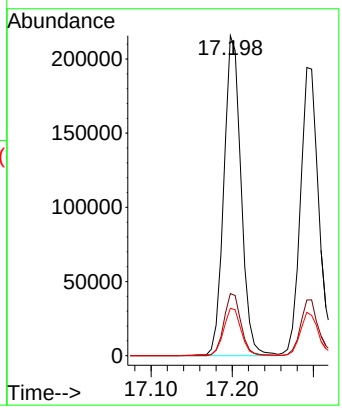


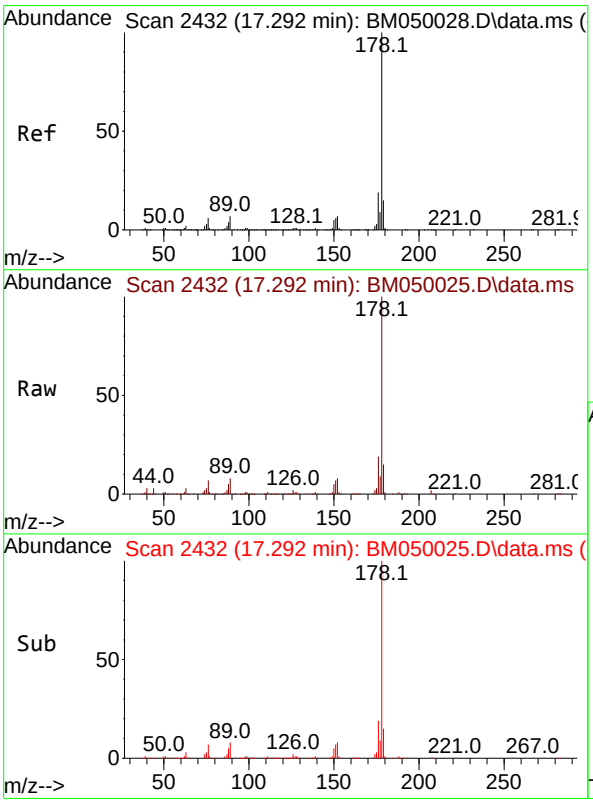
#71
Phenanthrene
Concen: 4.764 ng
RT: 17.198 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:178 Resp: 317954

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	14.8	12.4	18.6

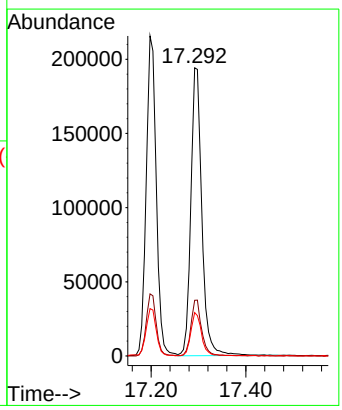


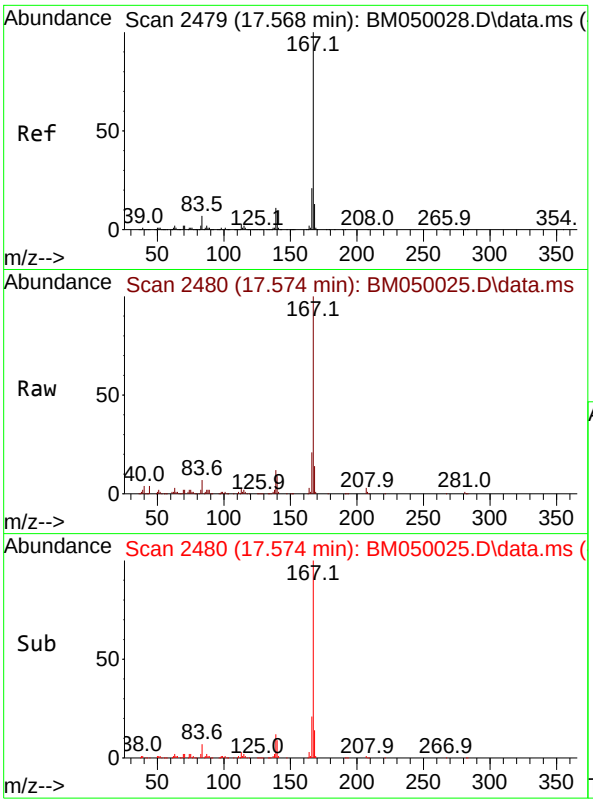


#72
Anthracene
Concen: 4.651 ng
RT: 17.292 min Scan# 2432
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:178 Resp: 314149

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.0	22.4
179	15.0	12.2	18.4



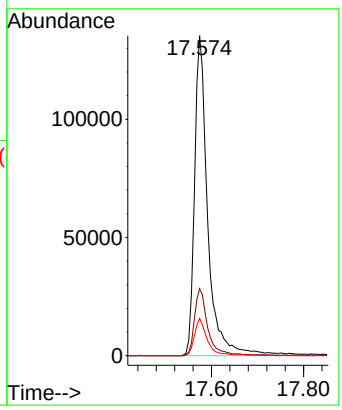


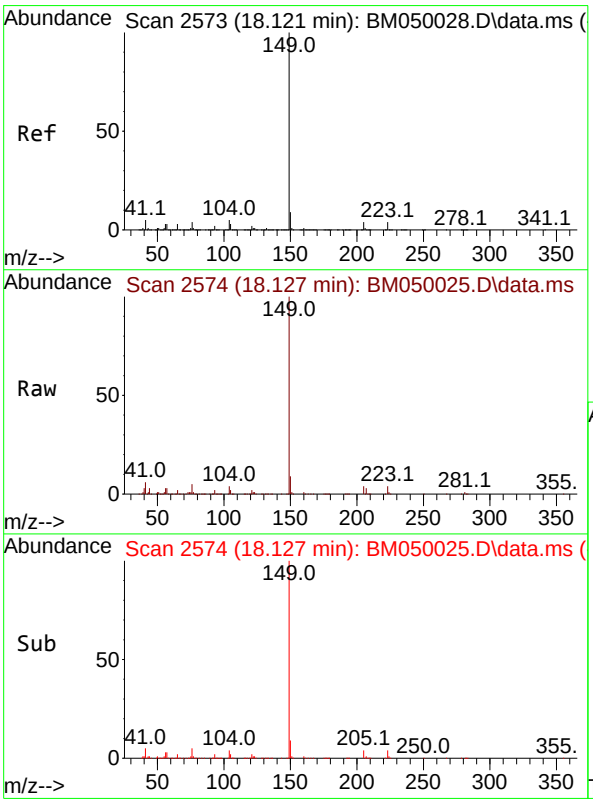
#73
Carbazole
Concen: 4.586 ng
RT: 17.574 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:167 Resp: 268774

Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.2	25.8
139	11.7	9.0	13.6

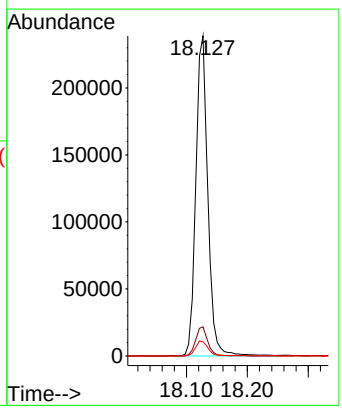


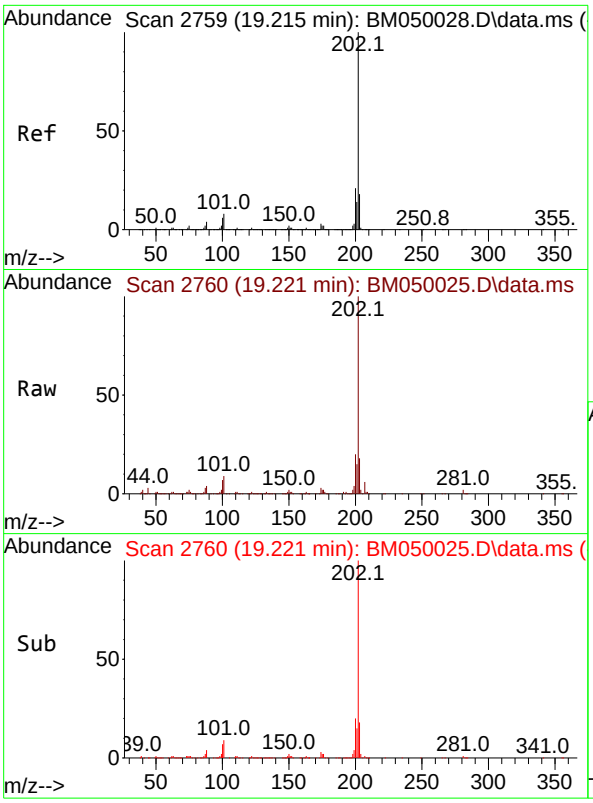


#74
Di-n-butylphthalate
Concen: 4.688 ng
RT: 18.127 min Scan# 2574
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:149 Resp: 327178

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	4.4	3.8	5.6



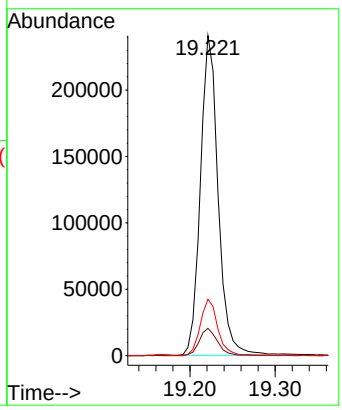


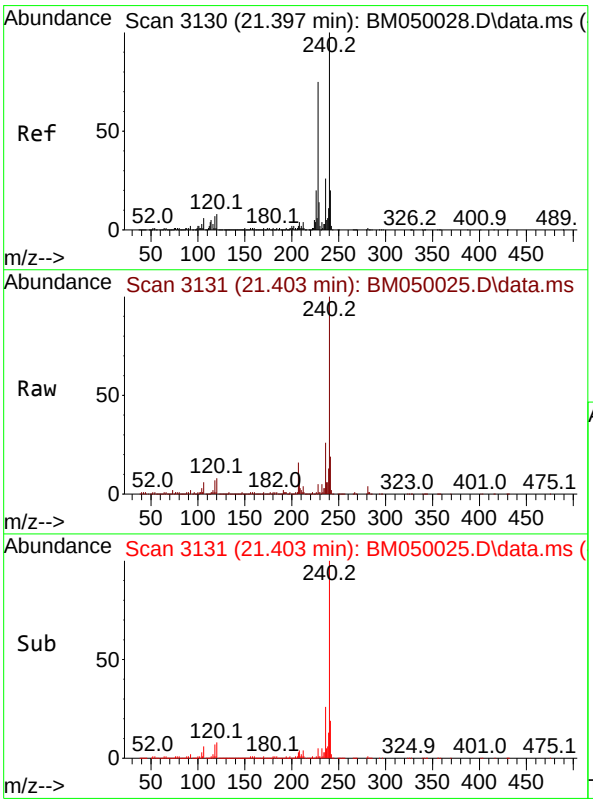
#75
Fluoranthene
Concen: 4.449 ng
RT: 19.221 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:202 Resp: 348593

Ion	Ratio	Lower	Upper
202	100		
101	8.5	0.0	28.0
203	17.6	0.0	37.7

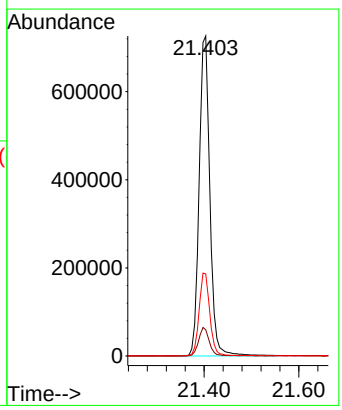


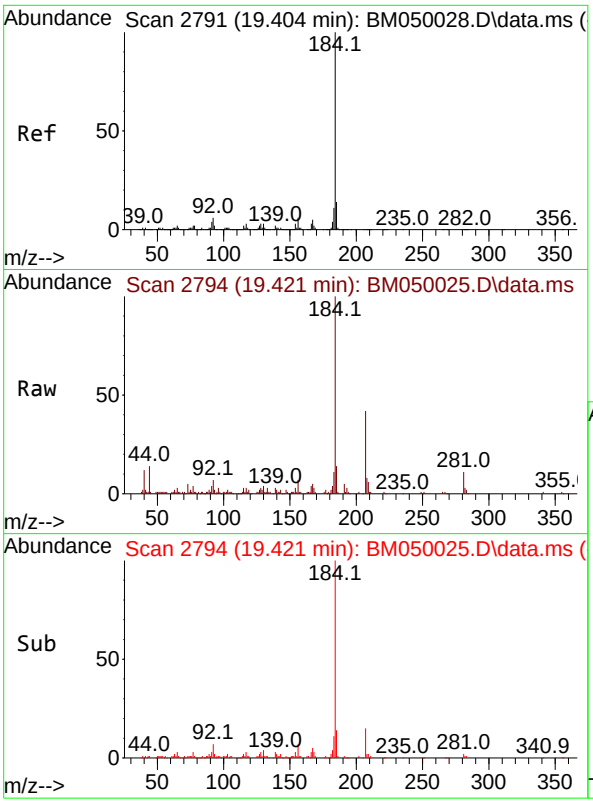


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:240 Resp: 1136162

Ion	Ratio	Lower	Upper
240	100		
120	8.2	6.5	9.7
236	25.6	20.9	31.3



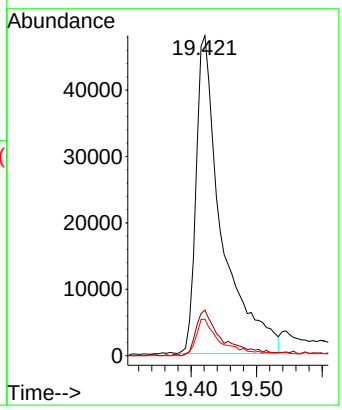


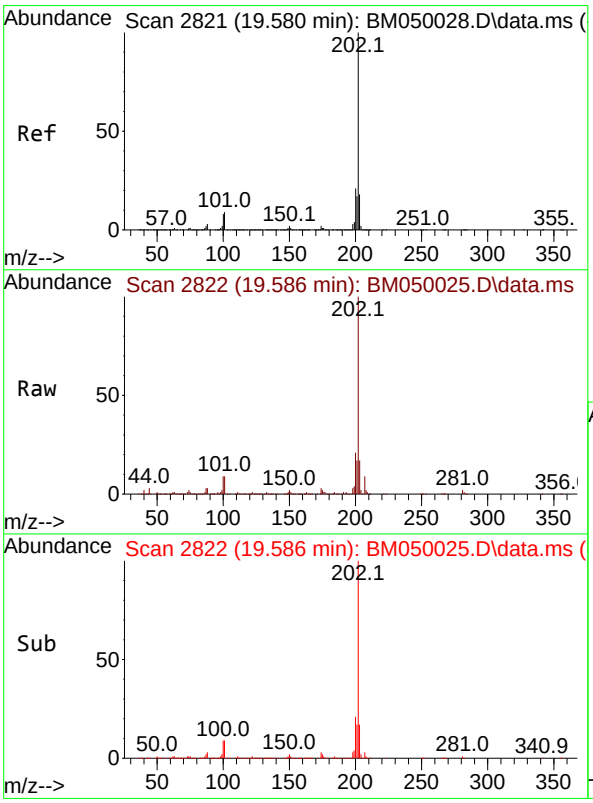
#77
Benzidine
Concen: 3.214 ng
RT: 19.421 min Scan# 2
Delta R.T. 0.017 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:184 Resp: 129721

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.5	17.3
183	11.5	8.9	13.3

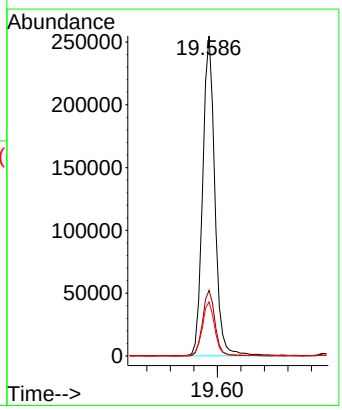


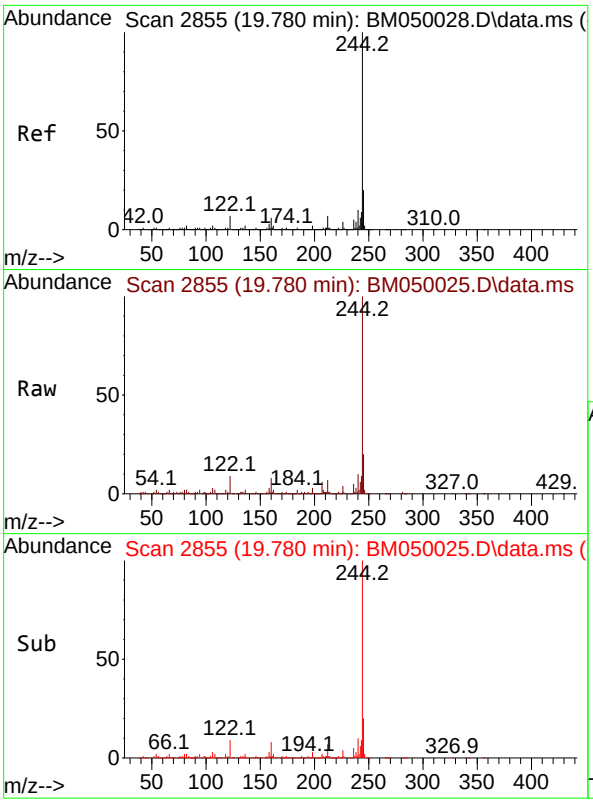


#78
Pyrene
Concen: 4.593 ng
RT: 19.586 min Scan# 2822
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:202 Resp: 366473

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.7	25.1
203	16.9	14.1	21.1



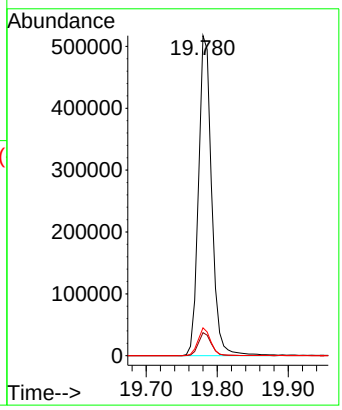


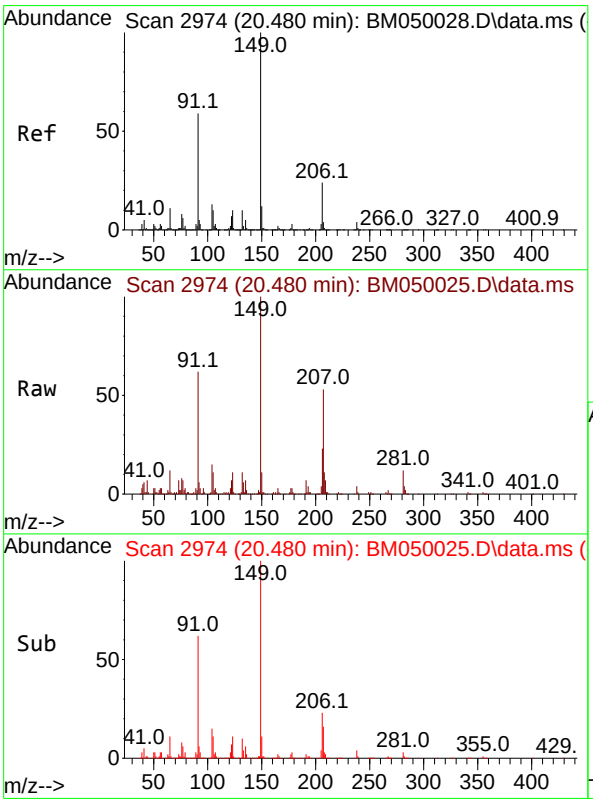
#79
Terphenyl-d14
Concen: 8.704 ng
RT: 19.780 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:244 Resp: 668289

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	8.7	5.6	8.4#

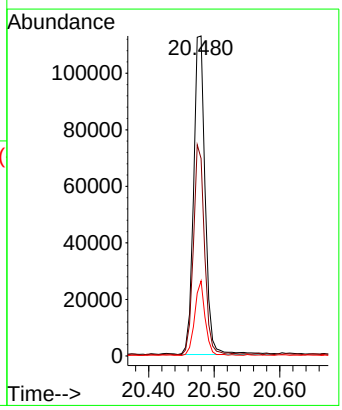


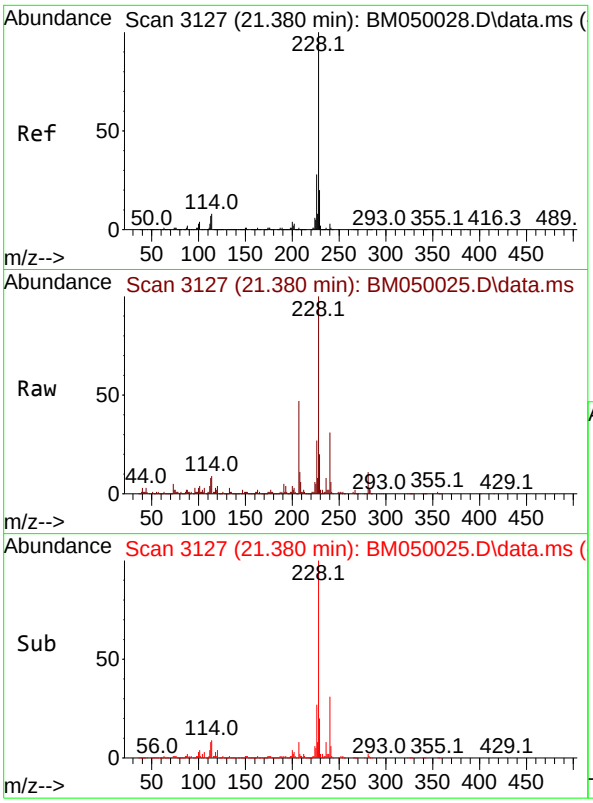


#80
Butylbenzylphthalate
Concen: 4.646 ng
RT: 20.480 min Scan# 2974
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:149 Resp: 138827

Ion	Ratio	Lower	Upper
149	100		
91	61.7	47.4	71.2
206	23.4	19.4	29.0



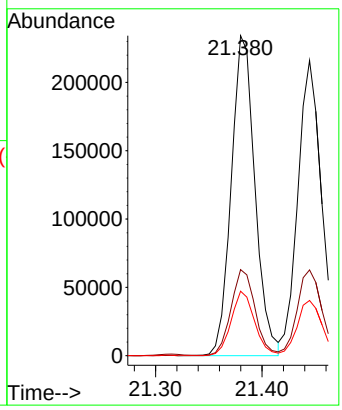


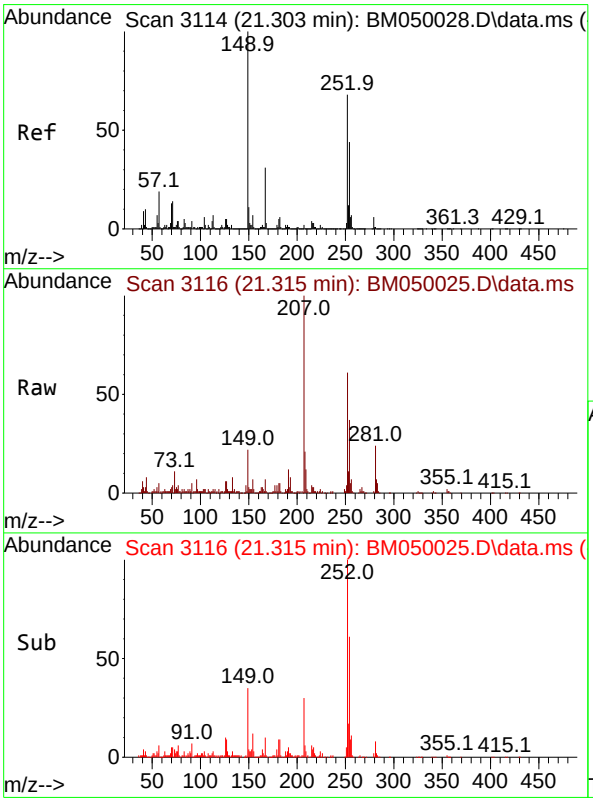
#81
Benzo(a)anthracene
Concen: 4.648 ng
RT: 21.380 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 363641

Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.1	33.1
229	20.1	15.7	23.5

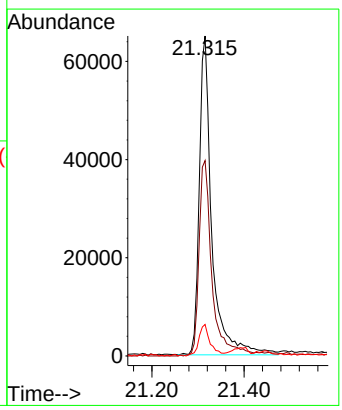


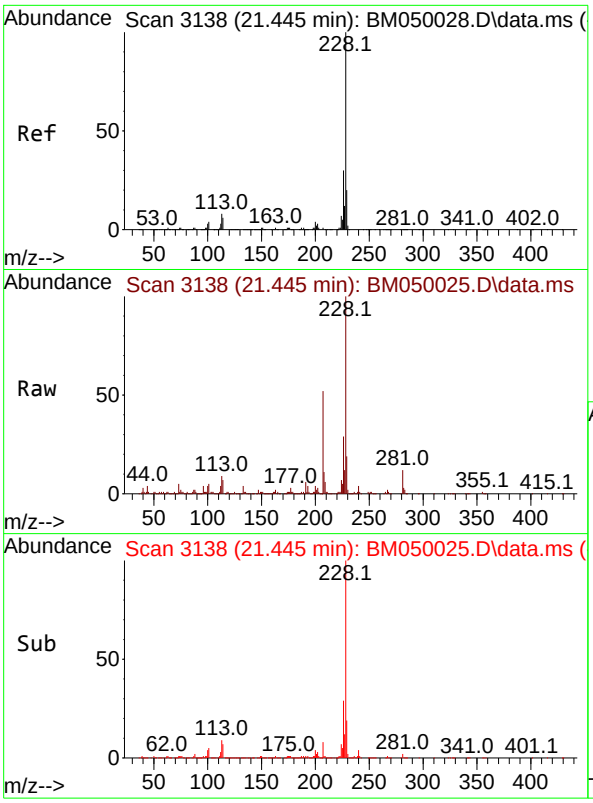


#82
3,3'-Dichlorobenzidine
Concen: 4.119 ng
RT: 21.315 min Scan# 3116
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:252 Resp: 123375

Ion	Ratio	Lower	Upper
252	100		
254	61.0	51.8	77.6
126	9.9	6.0	9.0#



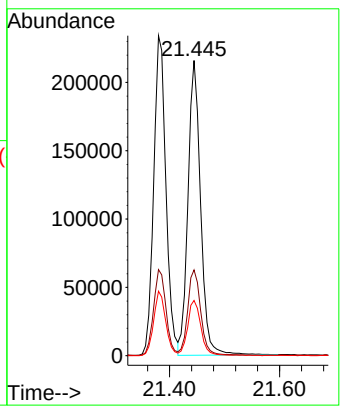


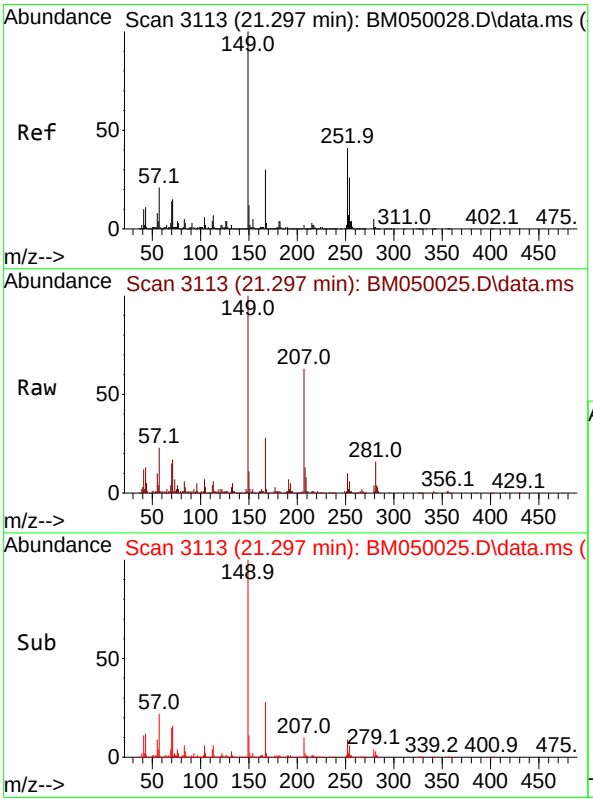
#83
Chrysene
Concen: 4.738 ng
RT: 21.445 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 343085

Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.2	36.2
229	18.7	15.7	23.5

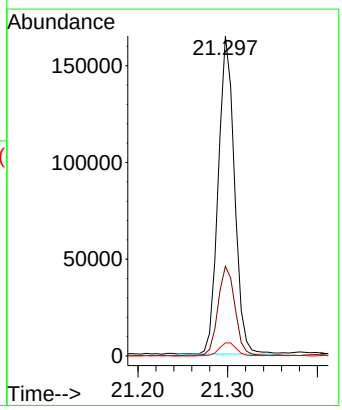


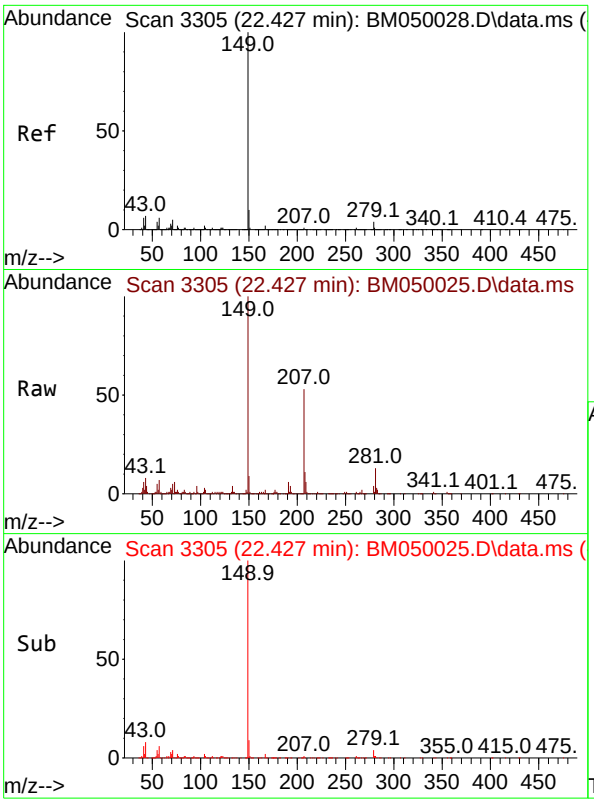


#84
Bis(2-ethylhexyl)phthalate
Concen: 4.620 ng
RT: 21.297 min Scan# 3113
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:149 Resp: 206231

Ion	Ratio	Lower	Upper
149	100		
167	28.0	24.1	36.1
279	4.1	3.9	5.9



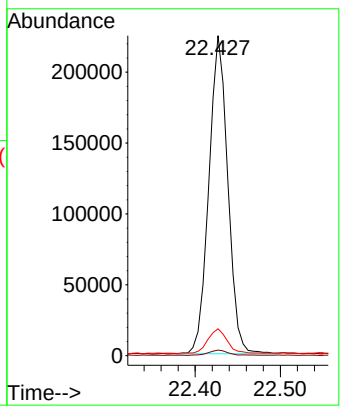


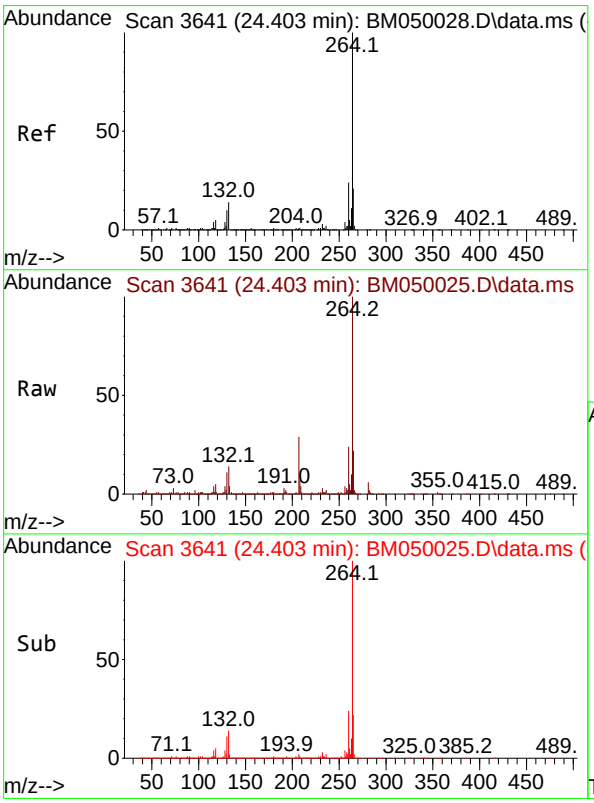
#85
Di-n-octyl phthalate
Concen: 4.711 ng
RT: 22.427 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 346799

Ion	Ratio	Lower	Upper
149	100		
167	1.8	1.3	1.9
43	8.0	5.8	8.8

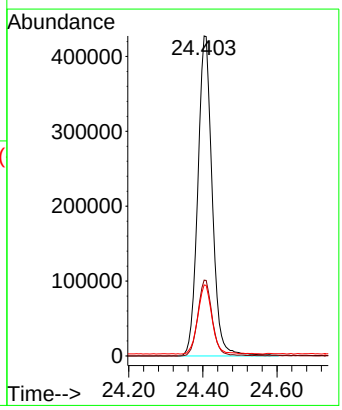


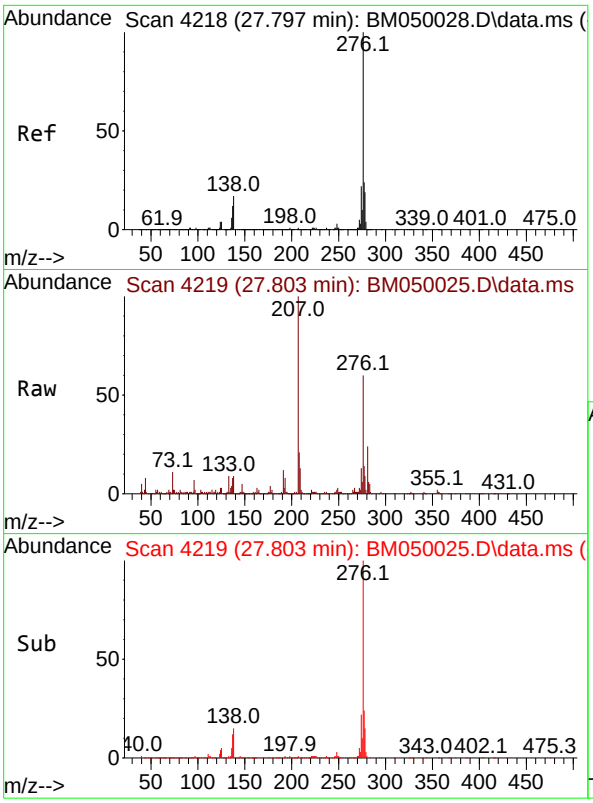


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3641
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:264 Resp: 1149910

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.8	28.2
265	22.2	17.0	25.4



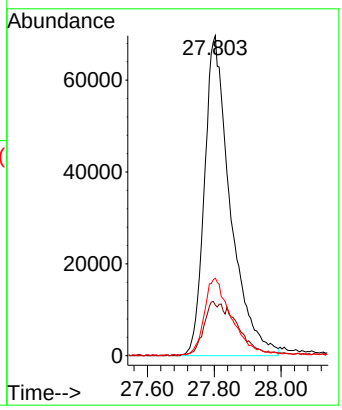


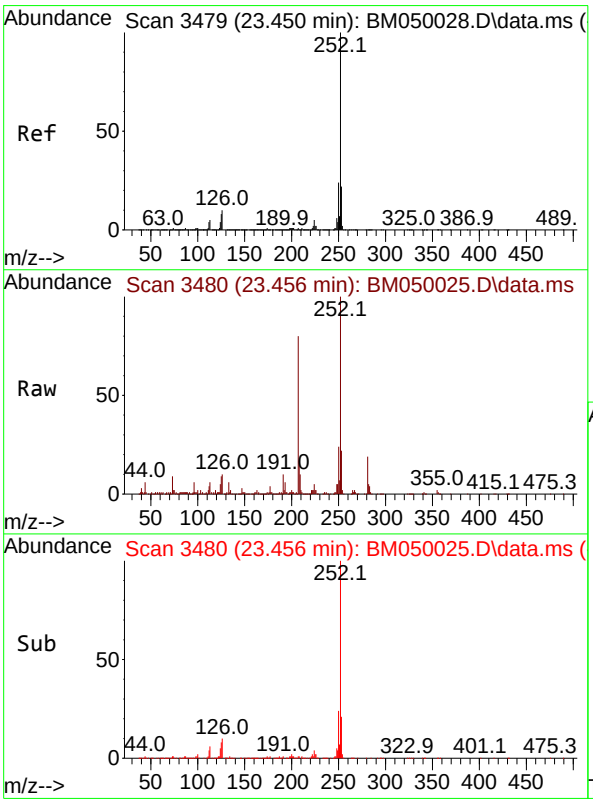
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.364 ng
RT: 27.803 min Scan# 4
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 373944

Ion	Ratio	Lower	Upper
276	100		
138	8.9	16.4	24.6#
277	25.9	19.8	29.8

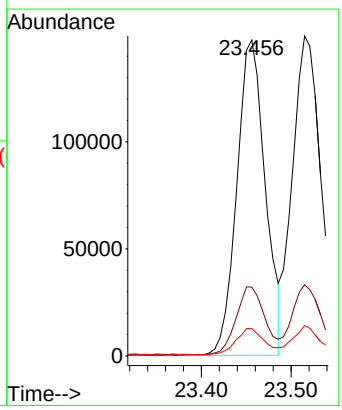


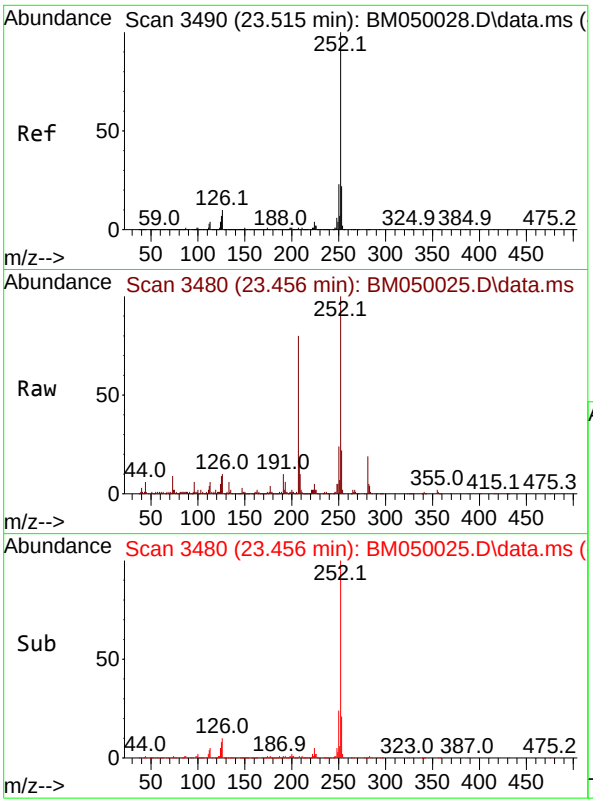


#88
Benzo(b)fluoranthene
Concen: 4.338 ng
RT: 23.456 min Scan# 3480
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:252 Resp: 324395

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	8.7	6.1	9.1



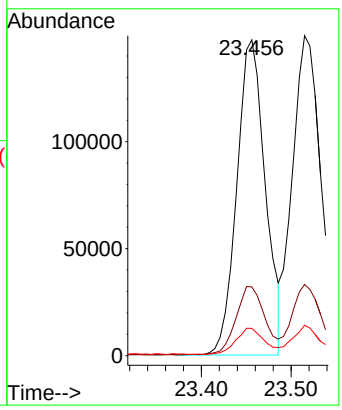


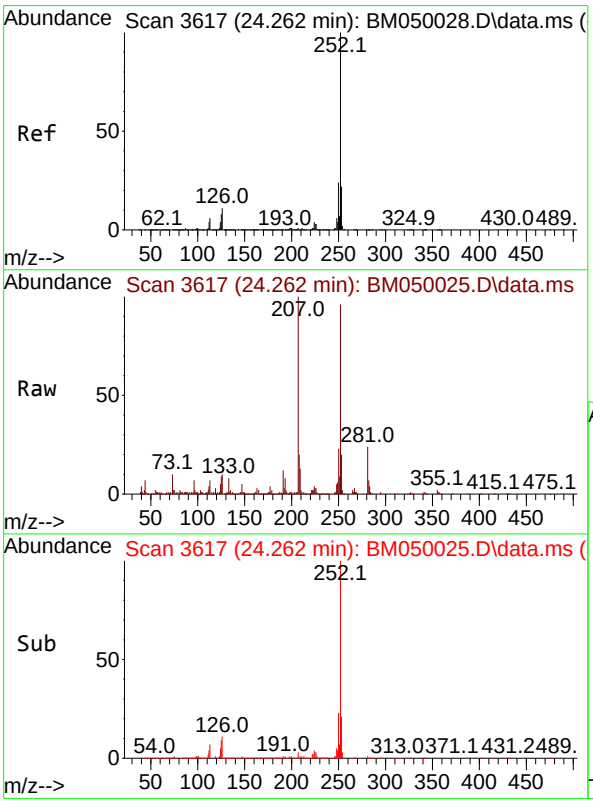
#89
Benzo(k)fluoranthene
Concen: 4.287 ng
RT: 23.456 min Scan# 34
Delta R.T. -0.059 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 324395

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	8.7	5.8	8.8

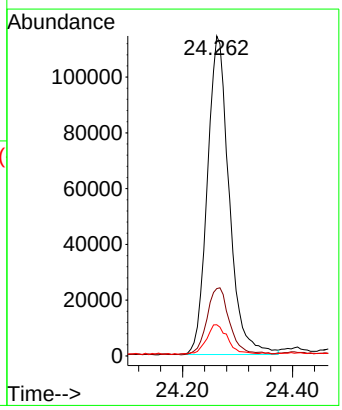


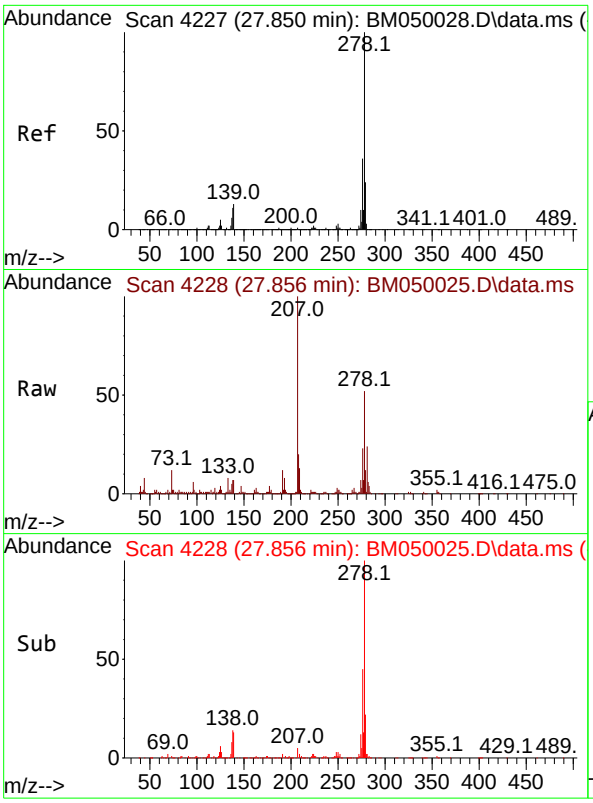


#90
Benzo(a)pyrene
Concen: 4.492 ng
RT: 24.262 min Scan# 3617
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:252 Resp: 314608

Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.4	26.0
125	9.7	6.6	9.8



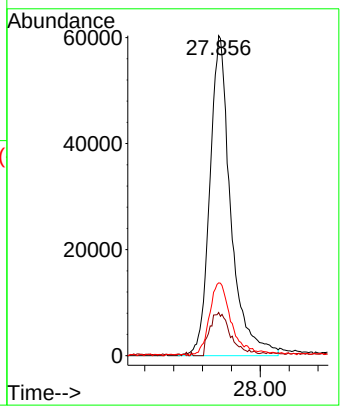


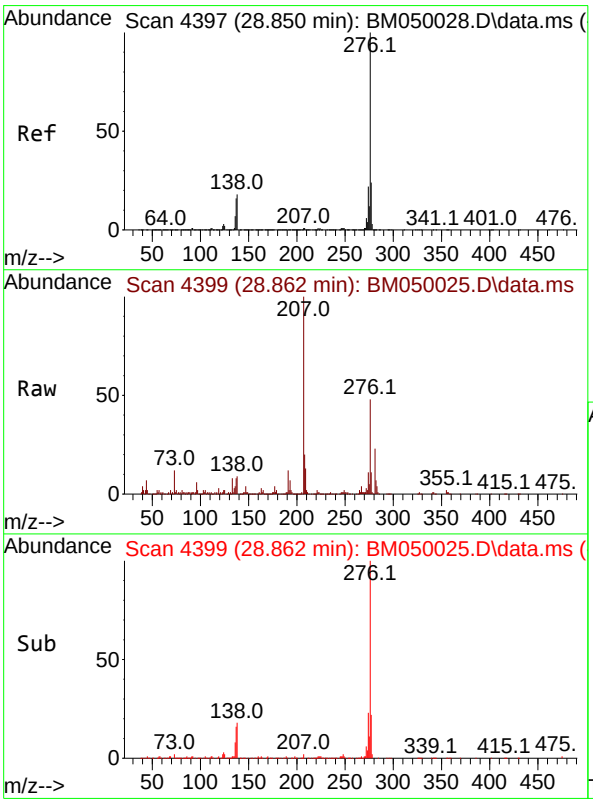
#91
Dibenzo(a,h)anthracene
Concen: 4.346 ng
RT: 27.856 min Scan# 4
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:278 Resp: 303557

Ion	Ratio	Lower	Upper
278	100		
139	13.5	10.5	15.7
279	22.8	19.4	29.0

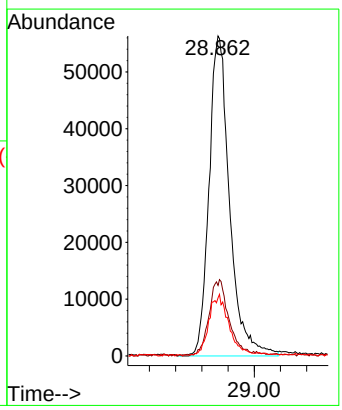




#92
Benzo(g,h,i)perylene
Concen: 4.585 ng
RT: 28.862 min Scan# 4399
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:276 Resp: 306571

Ion	Ratio	Lower	Upper
276	100		
277	22.1	19.1	28.7
138	18.1	14.3	21.5



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050026.D
Acq On : 28 Apr 2025 13:48
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Quant Time: Apr 28 17:54:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.769	152	250110	20.000	ng		0.00
21) Naphthalene-d8	10.563	136	926512	20.000	ng		0.00
39) Acenaphthene-d10	14.410	164	636652	20.000	ng		0.00
64) Phenanthrene-d10	17.157	188	1274608	20.000	ng		0.00
76) Chrysene-d12	21.397	240	1213581	20.000	ng		0.00
86) Perylene-d12	24.403	264	1224339	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.363	112	269870	18.894	ng		0.00
7) Phenol-d6	6.957	99	329701	18.366	ng		0.00
23) Nitrobenzene-d5	8.928	82	346334	18.420	ng		0.00
42) 2,4,6-Tribromophenol	15.910	330	158339	16.820	ng		0.00
45) 2-Fluorobiphenyl	13.027	172	989917	18.394	ng		0.00
79) Terphenyl-d14	19.780	244	1443528	17.601	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.257	88	58048	9.478	ng		98
3) Pyridine	3.663	79	145801	9.266	ng		98
4) n-Nitrosodimethylamine	3.569	42	57404	9.302	ng	#	93
6) Aniline	7.098	93	211256	9.319	ng		100
8) 2-Chlorophenol	7.339	128	145228	9.404	ng		99
9) Benzaldehyde	6.916	77	119470	9.957	ng		97
10) Phenol	6.981	94	168041	9.246	ng		99
11) bis(2-Chloroethyl)ether	7.192	93	138197	9.107	ng		100
12) 1,3-Dichlorobenzene	7.657	146	178565	9.572	ng		96
13) 1,4-Dichlorobenzene	7.804	146	177312	9.461	ng		99
14) 1,2-Dichlorobenzene	8.122	146	174224	9.624	ng		100
15) Benzyl Alcohol	8.022	79	110234	8.854	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.292	45	177776	9.637	ng		97
17) 2-Methylphenol	8.228	107	111639	9.325	ng		99
18) Hexachloroethane	8.845	117	63487	9.530	ng		98
19) n-Nitroso-di-n-propyla...	8.575	70	110641	9.609	ng		98
20) 3+4-Methylphenols	8.563	107	146303	9.049	ng		99
22) Acetophenone	8.592	105	214790	9.325	ng		98
24) Nitrobenzene	8.969	77	150534	9.259	ng		99
25) Isophorone	9.498	82	300179	9.366	ng		99
26) 2-Nitrophenol	9.686	139	72521	8.732	ng		97
27) 2,4-Dimethylphenol	9.757	122	123406	8.960	ng		97
28) bis(2-Chloroethoxy)met...	9.975	93	184837	9.331	ng		99
29) 2,4-Dichlorophenol	10.245	162	137916	8.938	ng		99
30) 1,2,4-Trichlorobenzene	10.428	180	177721	9.453	ng		97
31) Naphthalene	10.610	128	444206	9.467	ng		99
32) Benzoic acid	9.875	122	40585	4.620	ng		99
33) 4-Chloroaniline	10.739	127	181907	9.458	ng		99
34) Hexachlorobutadiene	10.898	225	111307	9.327	ng		99
35) Caprolactam	11.516	113	39344	8.745	ng		94
36) 4-Chloro-3-methylphenol	11.880	107	131076	9.194	ng		98
37) 2-Methylnaphthalene	12.227	142	296053	9.411	ng		97
38) 1-Methylnaphthalene	12.451	142	312512	9.387	ng		97
40) 1,2,4,5-Tetrachloroben...	12.604	216	197943	8.981	ng		99
41) Hexachlorocyclopentadiene	12.580	237	96522	7.166	ng		99
43) 2,4,6-Trichlorophenol	12.857	196	121240	8.673	ng		98

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050026.D
Acq On : 28 Apr 2025 13:48
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Quant Time: Apr 28 17:54:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.945	196	132882	8.815	ng		96
46) 1,1'-Biphenyl	13.245	154	443960	9.381	ng		99
47) 2-Chloronaphthalene	13.286	162	354101	9.447	ng		99
48) 2-Nitroaniline	13.498	65	77101	8.764	ng		94
49) Acenaphthylene	14.133	152	545774	9.235	ng		100
50) Dimethylphthalate	13.868	163	438261	9.419	ng		99
51) 2,6-Dinitrotoluene	13.992	165	86242	8.953	ng		98
52) Acenaphthene	14.474	154	317735	9.288	ng		98
53) 3-Nitroaniline	14.333	138	78720	8.559	ng	#	99
54) 2,4-Dinitrophenol	14.563	184	31979	10.558	ng		96
55) Dibenzofuran	14.810	168	535023	9.401	ng		99
56) 4-Nitrophenol	14.710	139	40722	9.668	ng		96
57) 2,4-Dinitrotoluene	14.792	165	116476	8.750	ng		95
58) Fluorene	15.462	166	427384	9.174	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.051	232	115185	8.828	ng		98
60) Diethylphthalate	15.233	149	414149	9.447	ng		100
61) 4-Chlorophenyl-phenyle...	15.457	204	227926	8.908	ng		94
62) 4-Nitroaniline	15.498	138	66832	7.526	ng		91
63) Azobenzene	15.745	77	347347	9.454	ng		99
65) 4,6-Dinitro-2-methylph...	15.562	198	56182	7.042	ng		93
66) n-Nitrosodiphenylamine	15.668	169	364601	9.315	ng		99
67) 4-Bromophenyl-phenylether	16.351	248	137532	8.923	ng		99
68) Hexachlorobenzene	16.468	284	160195	9.016	ng		99
69) Atrazine	16.621	200	126168	8.937	ng		98
70) Pentachlorophenol	16.827	266	74839	7.483	ng		95
71) Phenanthrene	17.198	178	659374	9.172	ng		100
72) Anthracene	17.292	178	661260	9.089	ng		99
73) Carbazole	17.568	167	573667	9.087	ng		99
74) Di-n-butylphthalate	18.121	149	689248	9.168	ng		99
75) Fluoranthene	19.221	202	727607	8.621	ng		99
77) Benzidine	19.415	184	339970	7.887	ng		99
78) Pyrene	19.586	202	761625	8.937	ng		99
80) Butylbenzylphthalate	20.474	149	290617	9.105	ng		93
81) Benzo(a)anthracene	21.380	228	747128	8.940	ng		100
82) 3,3'-Dichlorobenzidine	21.309	252	262017	8.190	ng		100
83) Chrysene	21.444	228	709862	9.178	ng		99
84) Bis(2-ethylhexyl)phtha...	21.297	149	439949	9.228	ng		98
85) Di-n-octyl phthalate	22.427	149	726208	9.236	ng		99
87) Indeno(1,2,3-cd)pyrene	27.791	276	791344	8.674	ng		99
88) Benzo(b)fluoranthene	23.450	252	703118	8.831	ng		98
89) Benzo(k)fluoranthene	23.515	252	704142	8.741	ng		99
90) Benzo(a)pyrene	24.262	252	652617	8.751	ng		99
91) Dibenzo(a,h)anthracene	27.844	278	638913	8.591	ng		98
92) Benzo(g,h,i)perylene	28.850	276	630261	8.852	ng		99

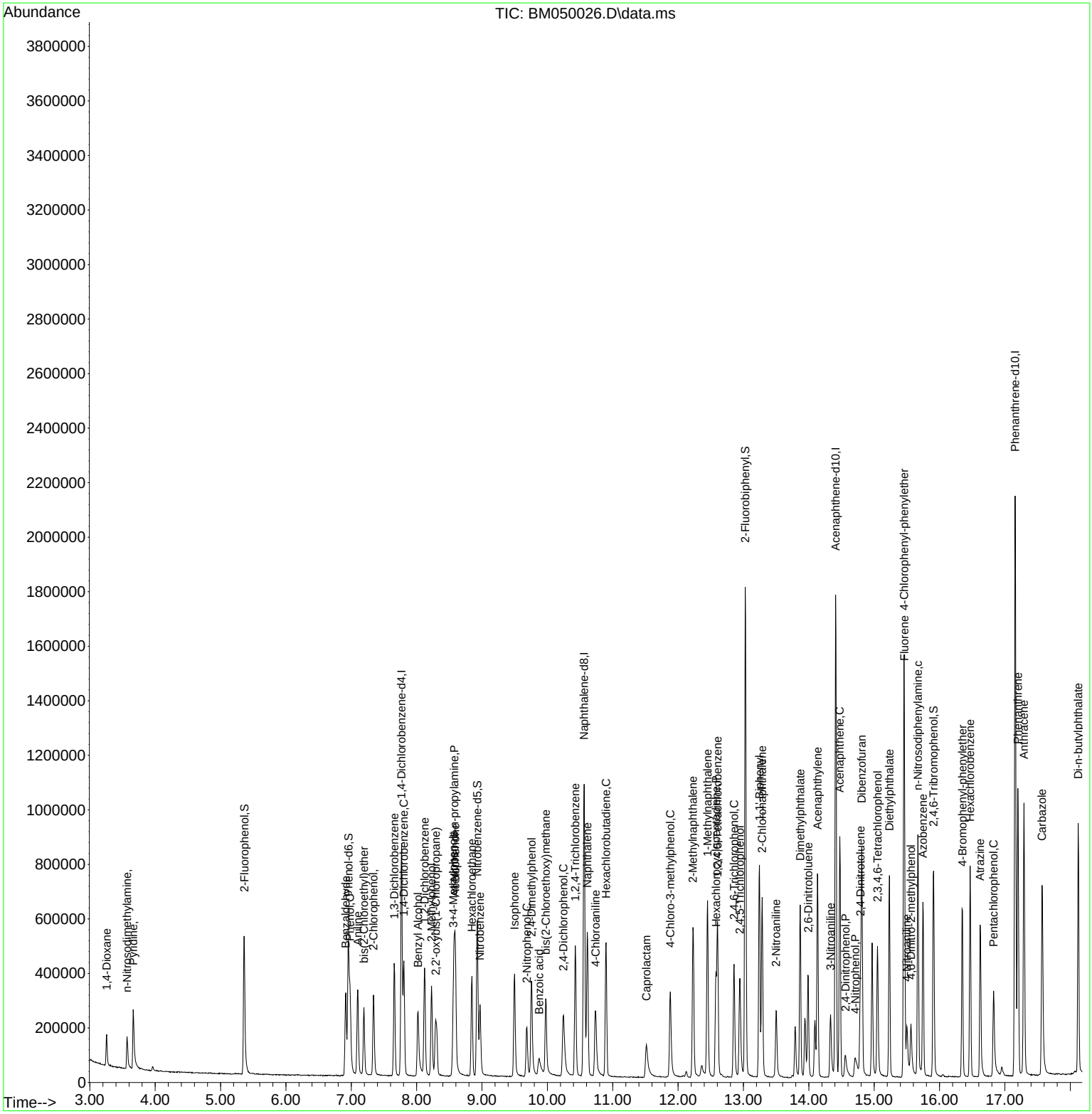
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050026.D
Acq On : 28 Apr 2025 13:48
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Quant Time: Apr 28 17:54:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration



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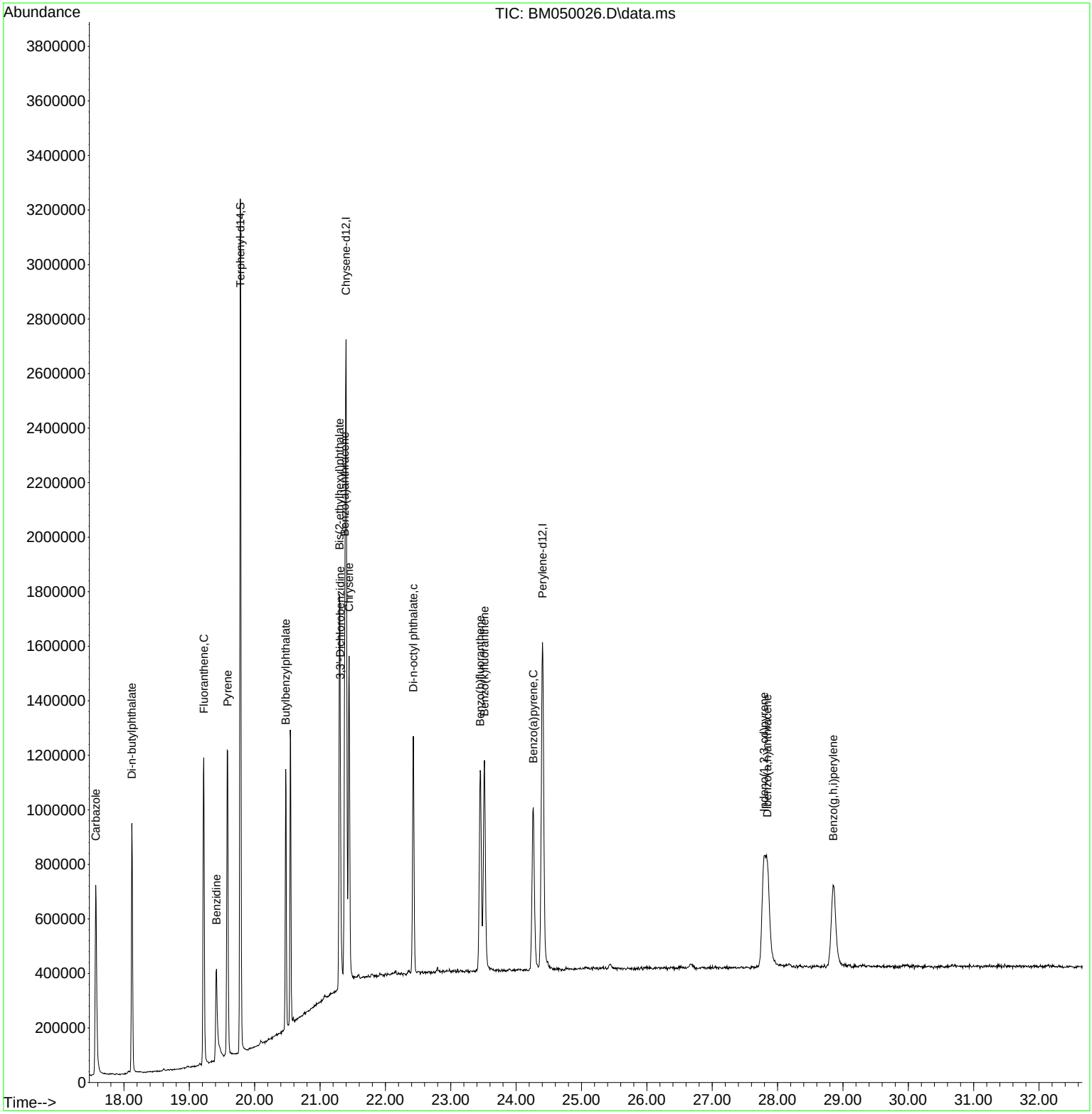
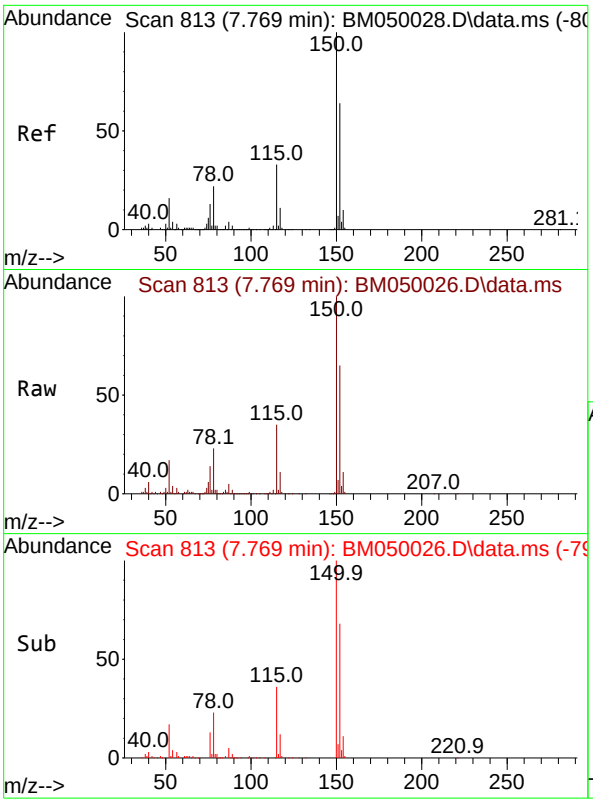
Data File : BM050026.D
Acq On : 28 Apr 2025 13:48
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Quant Time: Apr 28 17:54:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration



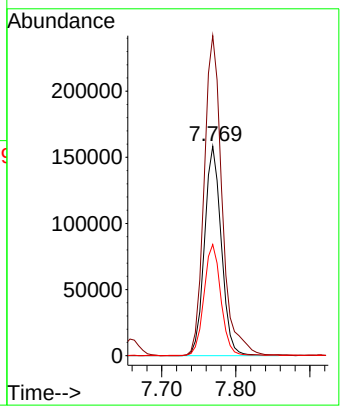


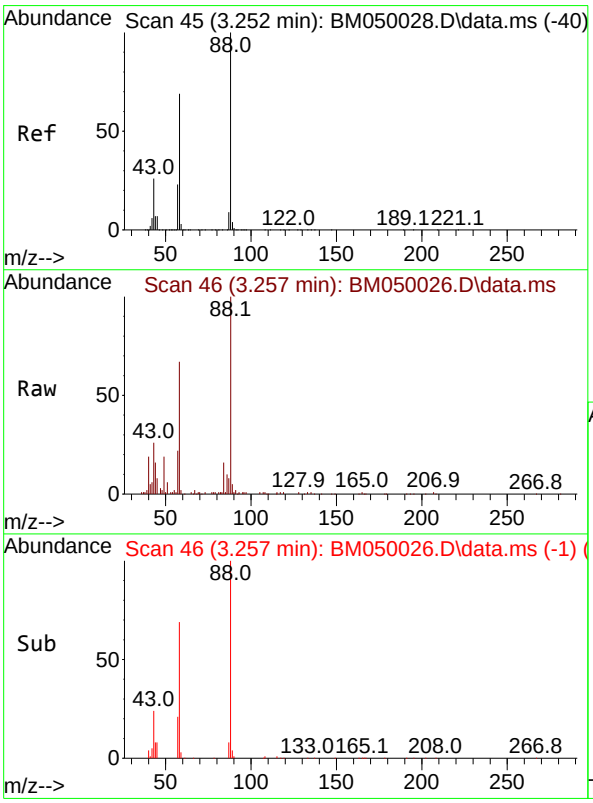
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 250110

Ion	Ratio	Lower	Upper
152	100		
150	152.8	124.1	186.1
115	53.1	41.2	61.8

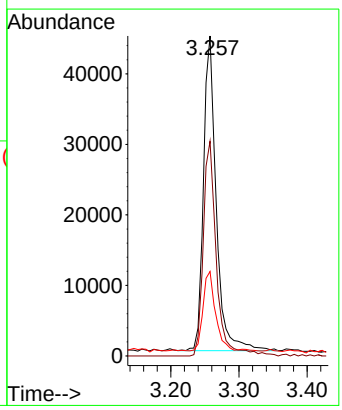


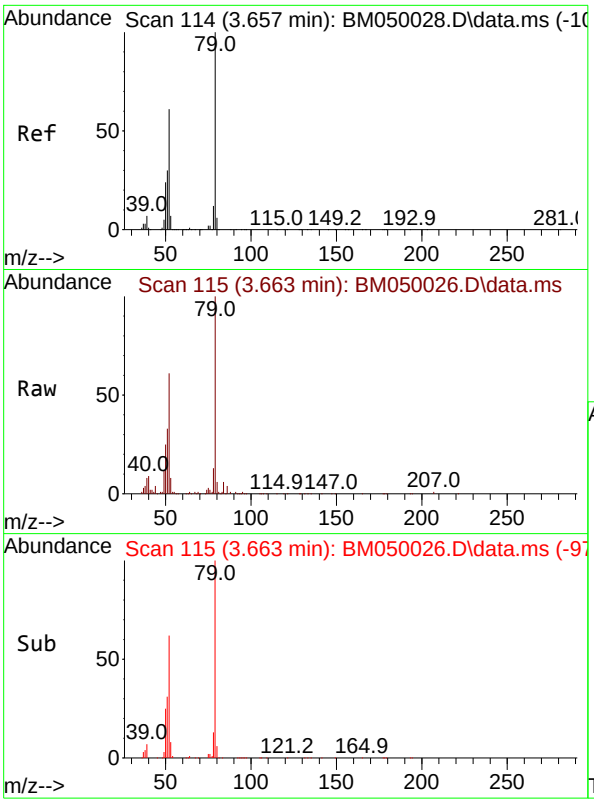


#2
1,4-Dioxane
Concen: 9.478 ng
RT: 3.257 min Scan# 46
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion: 88 Resp: 58048

Ion	Ratio	Lower	Upper
88	100		
58	70.3	55.1	82.7
43	24.7	20.9	31.3



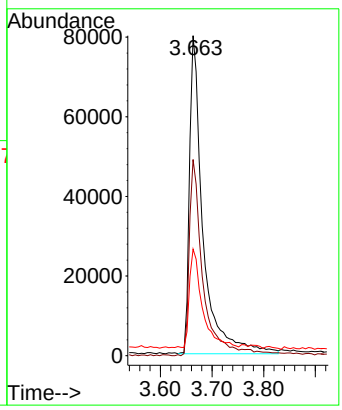


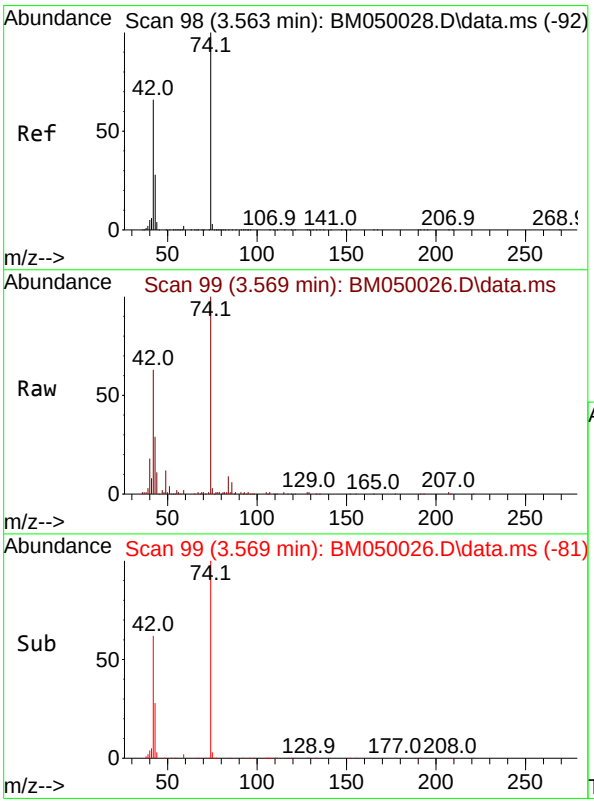
#3
Pyridine
Concen: 9.266 ng
RT: 3.663 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 145801

Ion	Ratio	Lower	Upper
79	100		
52	61.3	48.6	72.8
51	33.3	24.6	37.0

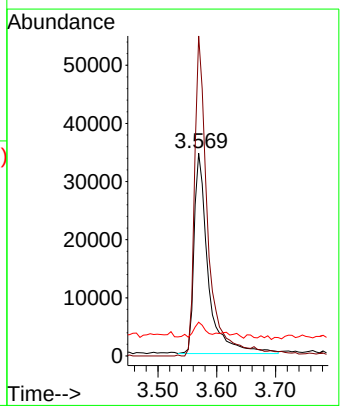


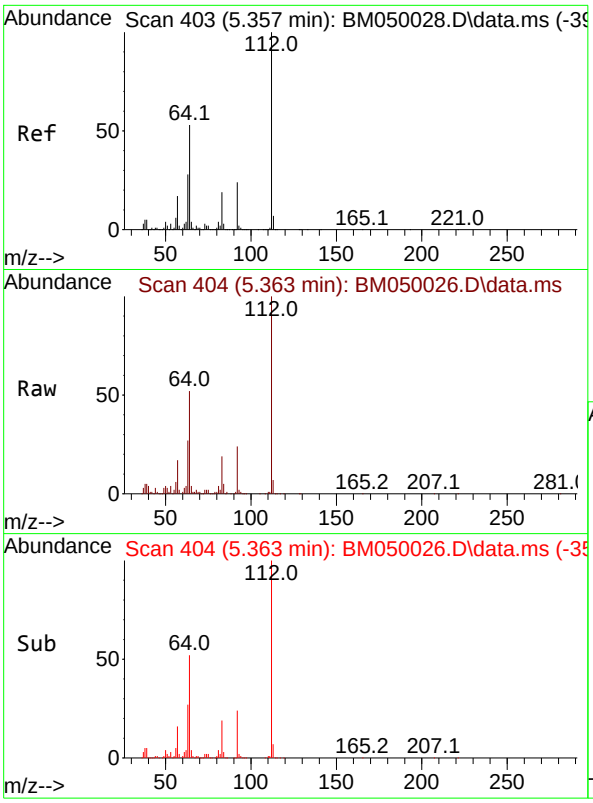


#4
n-Nitrosodimethylamine
Concen: 9.302 ng
RT: 3.569 min Scan# 99
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion: 42 Resp: 57404

Ion	Ratio	Lower	Upper
42	100		
74	157.9	120.2	180.2
44	16.6	6.2	9.2#



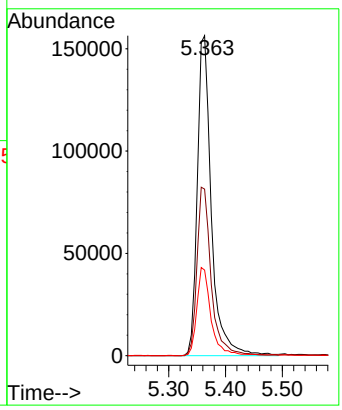


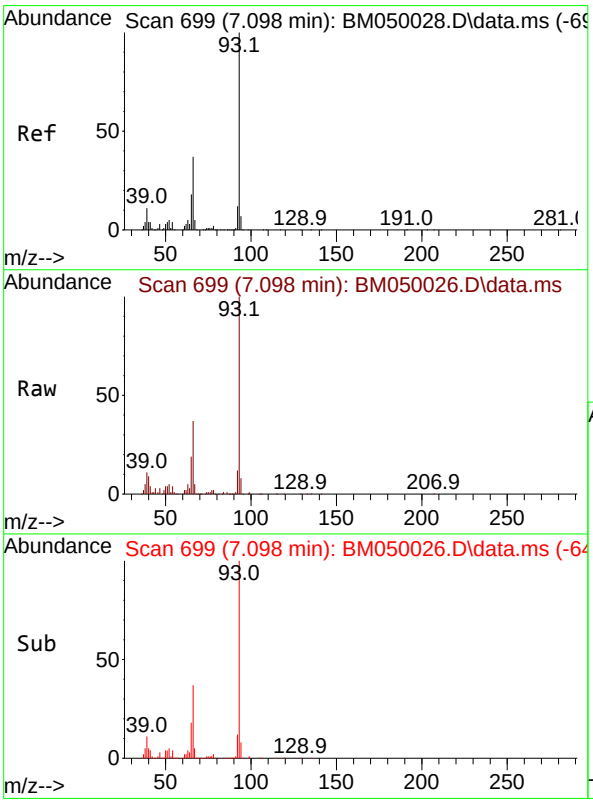
#5
2-Fluorophenol
Concen: 18.894 ng
RT: 5.363 min Scan# 4(
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:112 Resp: 269870

Ion	Ratio	Lower	Upper
112	100		
64	52.1	42.6	64.0
63	26.8	22.2	33.4

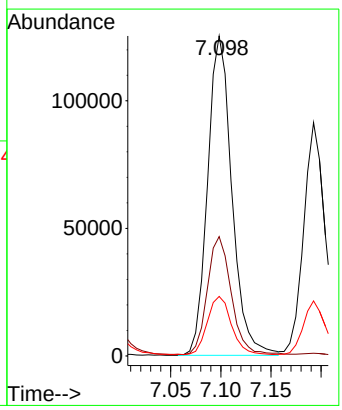


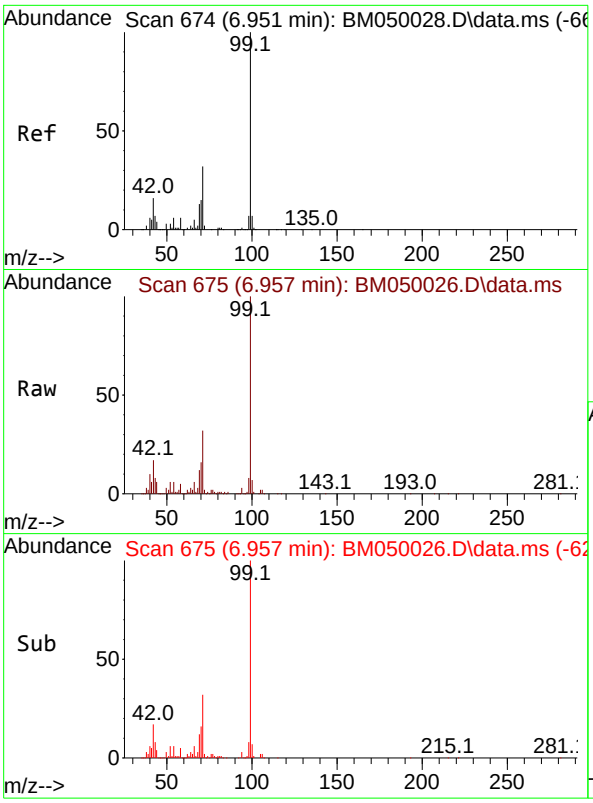


#6
Aniline
Concen: 9.319 ng
RT: 7.098 min Scan# 699
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion: 93 Resp: 211256

Ion	Ratio	Lower	Upper
93	100		
66	37.3	29.9	44.9
65	18.6	14.5	21.7



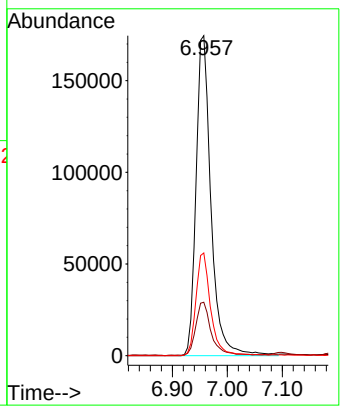


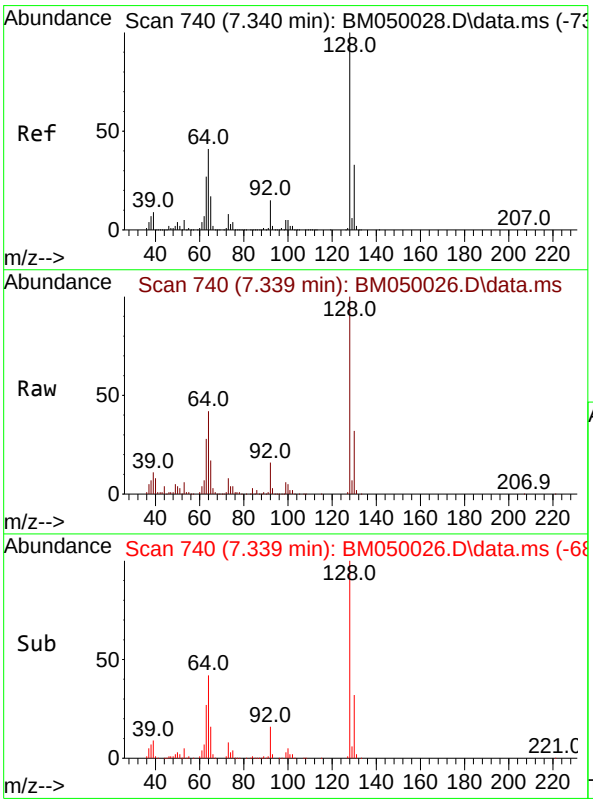
#7
Phenol-d6
Concen: 18.366 ng
RT: 6.957 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 329701

Ion	Ratio	Lower	Upper
99	100		
42	16.7	13.0	19.4
71	32.1	25.6	38.4

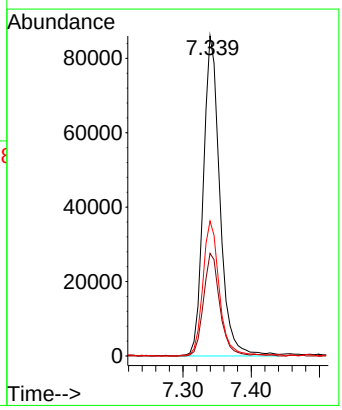


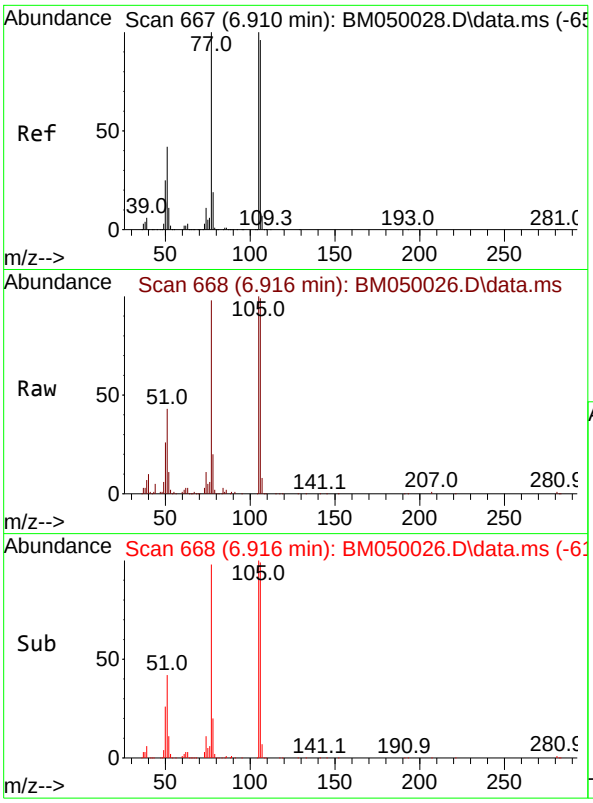


#8
2-Chlorophenol
Concen: 9.404 ng
RT: 7.339 min Scan# 740
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:128 Resp: 145228

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.8	52.8
64	42.2	21.2	61.2



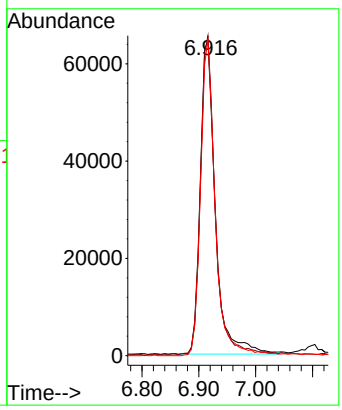


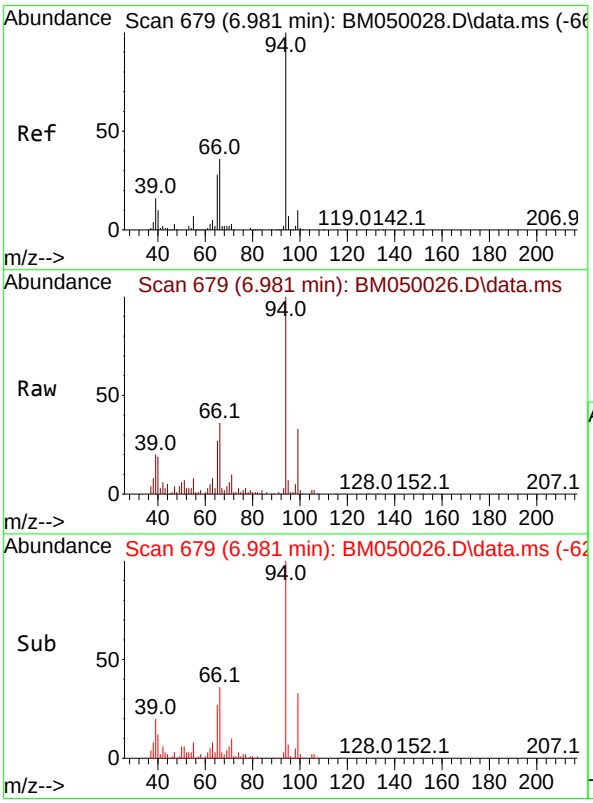
#9
Benzaldehyde
Concen: 9.957 ng
RT: 6.916 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 119470

Ion	Ratio	Lower	Upper
77	100		
105	101.6	80.5	120.5
106	100.5	76.1	116.1

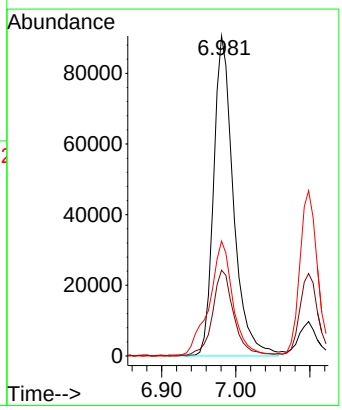


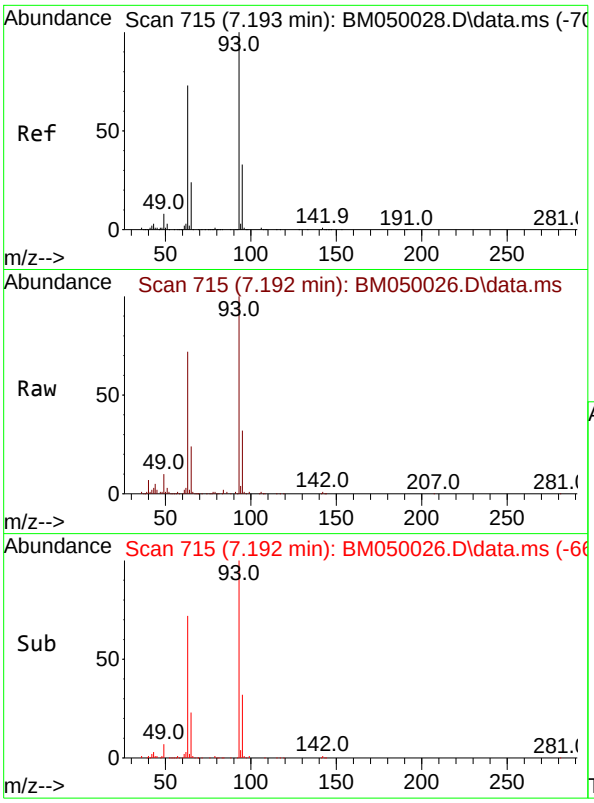


#10
Phenol
Concen: 9.246 ng
RT: 6.981 min Scan# 679
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion: 94 Resp: 168041

Ion	Ratio	Lower	Upper
94	100		
65	26.8	7.6	47.6
66	35.9	15.8	55.8



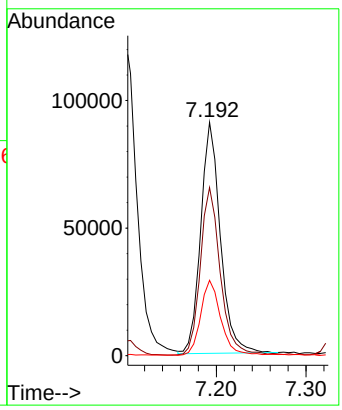


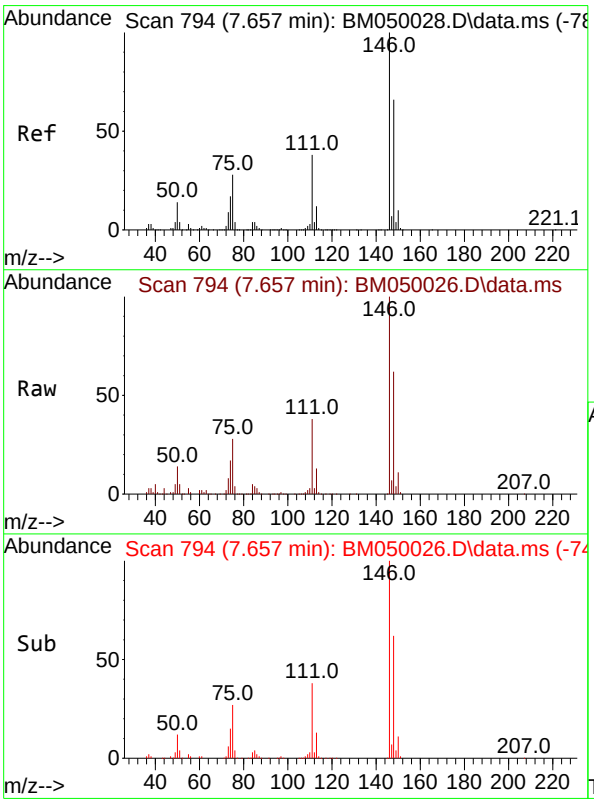
#11
bis(2-Chloroethyl)ether
Concen: 9.107 ng
RT: 7.192 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 138197

Ion	Ratio	Lower	Upper
93	100		
63	72.0	52.3	92.3
95	32.3	12.8	52.8

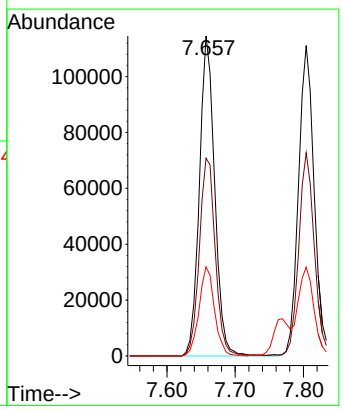


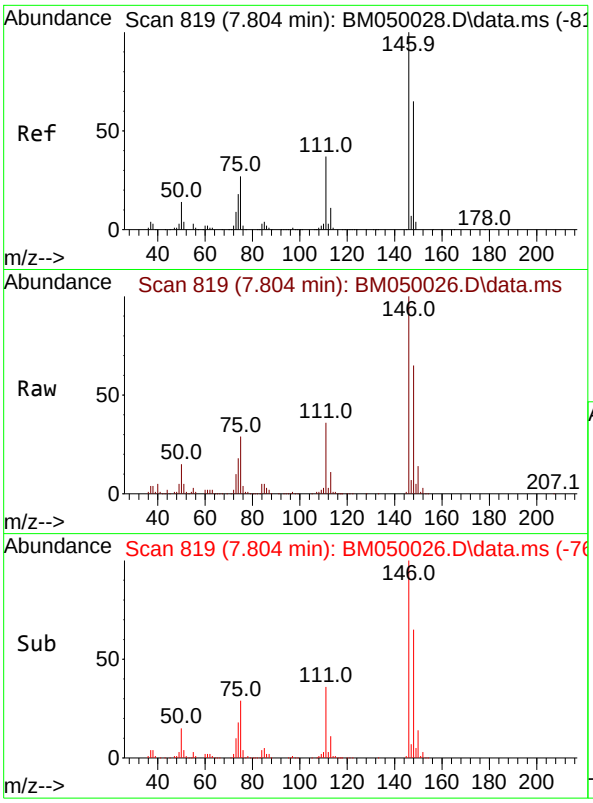


#12
1,3-Dichlorobenzene
Concen: 9.572 ng
RT: 7.657 min Scan# 794
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:146 Resp: 178565

Ion	Ratio	Lower	Upper
146	100		
148	61.8	52.5	78.7
75	27.8	22.6	34.0



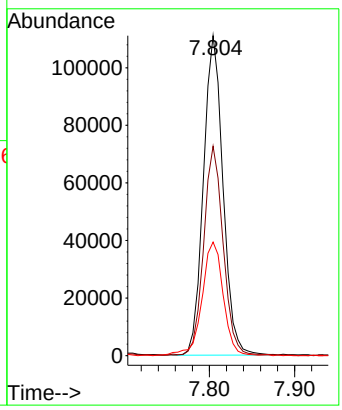


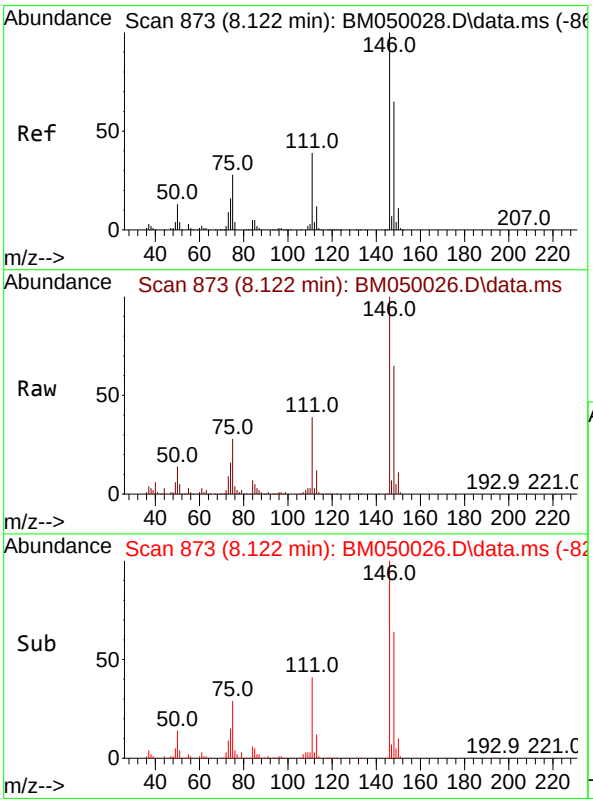
#13
1,4-Dichlorobenzene
Concen: 9.461 ng
RT: 7.804 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:146 Resp: 177312

Ion	Ratio	Lower	Upper
146	100		
148	65.5	52.2	78.2
111	35.5	29.3	43.9

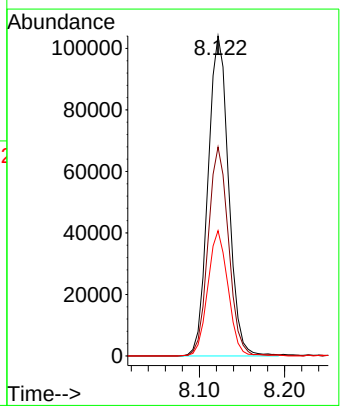


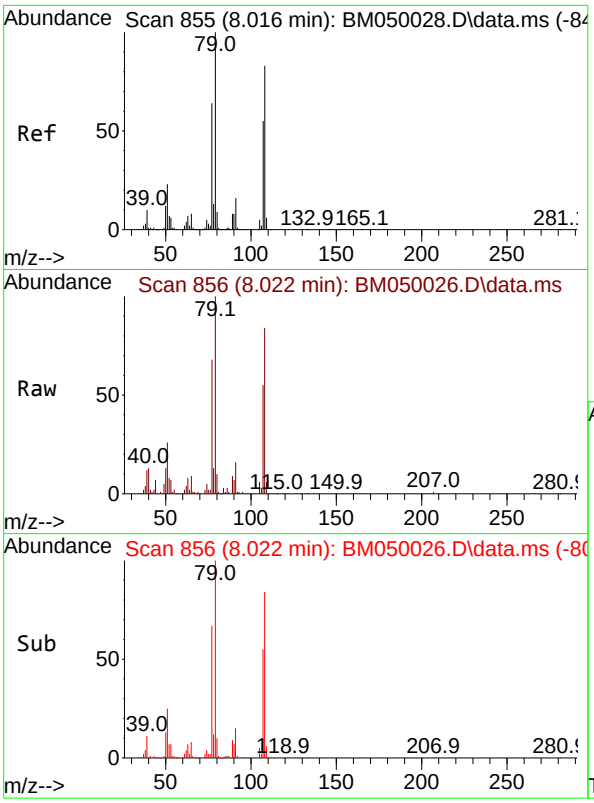


#14
1,2-Dichlorobenzene
Concen: 9.624 ng
RT: 8.122 min Scan# 873
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:146 Resp: 174224

Ion	Ratio	Lower	Upper
146	100		
148	65.3	52.4	78.6
111	39.2	31.0	46.6



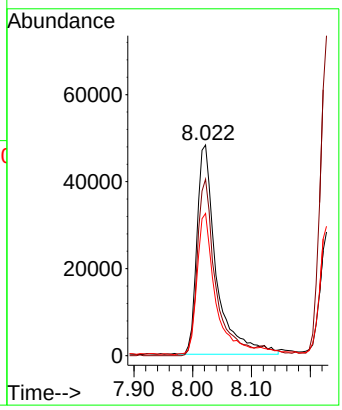


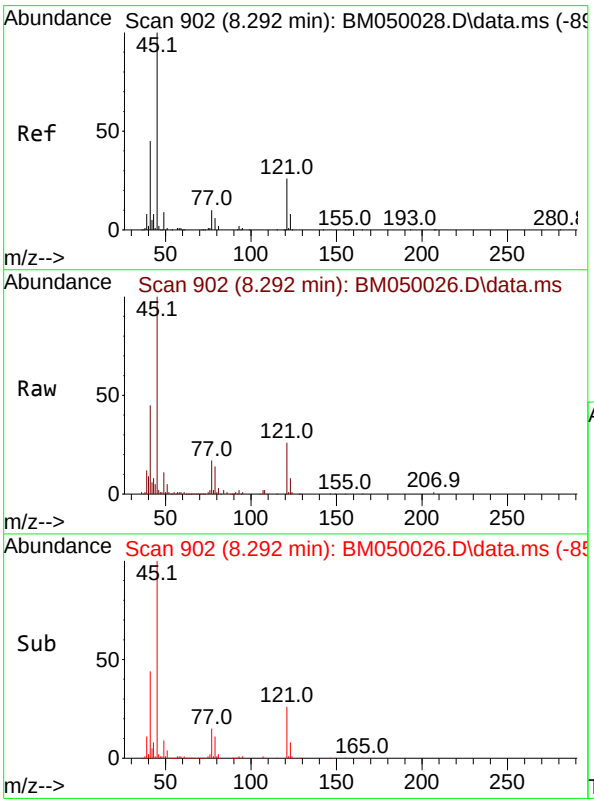
#15
Benzyl Alcohol
Concen: 8.854 ng
RT: 8.022 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 110234

Ion	Ratio	Lower	Upper
79	100		
108	83.7	66.0	99.0
77	67.5	51.6	77.4

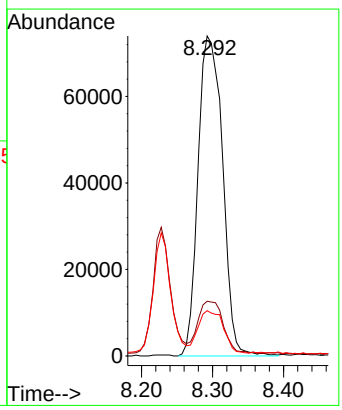


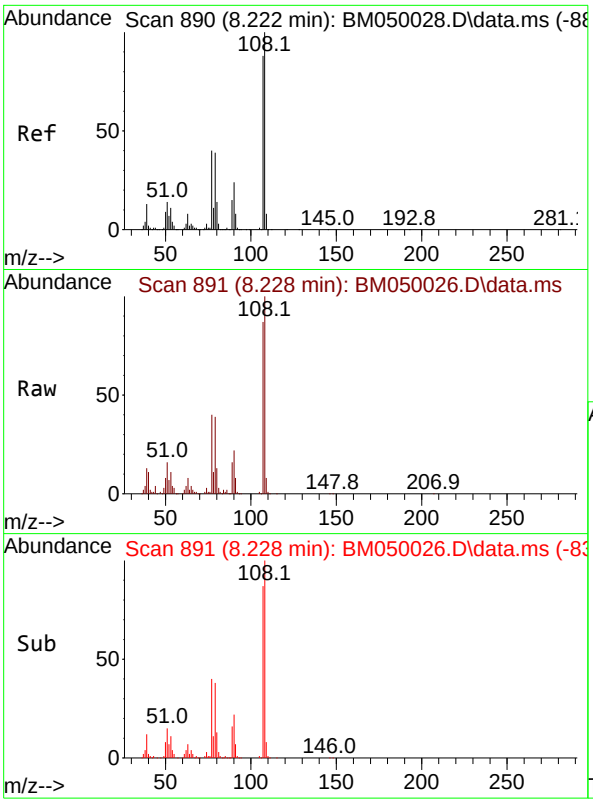


#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.637 ng
RT: 8.292 min Scan# 902
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion: 45 Resp: 177776

Ion	Ratio	Lower	Upper
45	100		
77	17.1	0.0	36.4
79	14.1	0.0	32.7



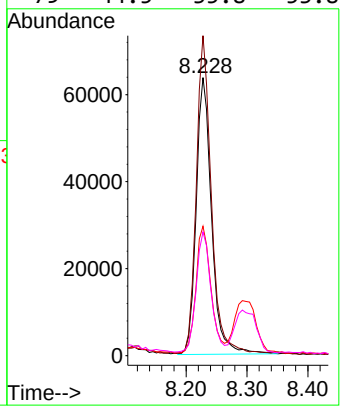


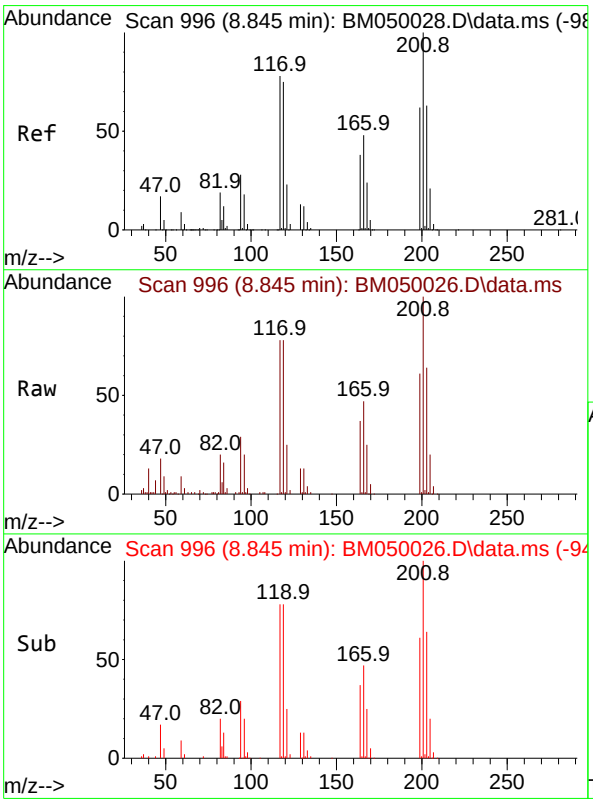
#17
2-Methylphenol
Concen: 9.325 ng
RT: 8.228 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:107 Resp: 111639

Ion	Ratio	Lower	Upper
107	100		
108	115.1	91.1	136.7
77	46.6	36.2	54.4
79	44.5	35.8	53.8

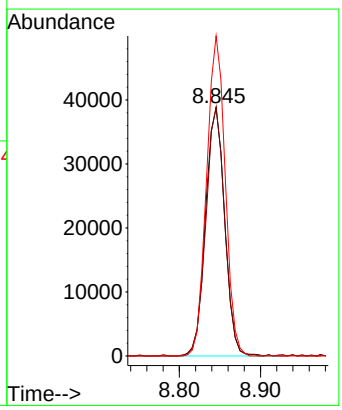


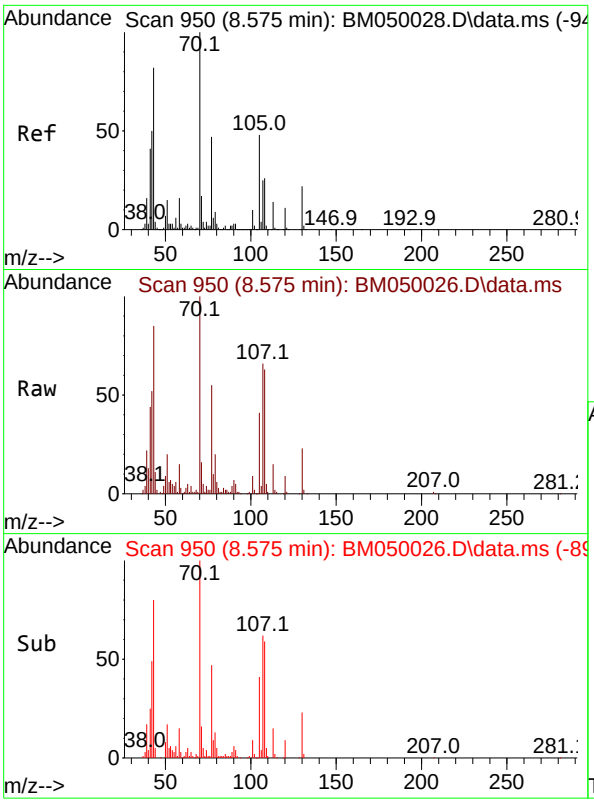


#18
Hexachloroethane
Concen: 9.530 ng
RT: 8.845 min Scan# 996
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:117 Resp: 63487

Ion	Ratio	Lower	Upper
117	100		
119	100.3	77.3	115.9
201	129.0	102.8	154.2



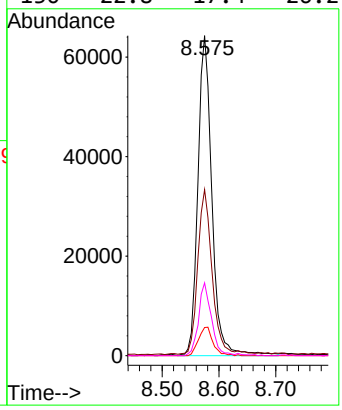


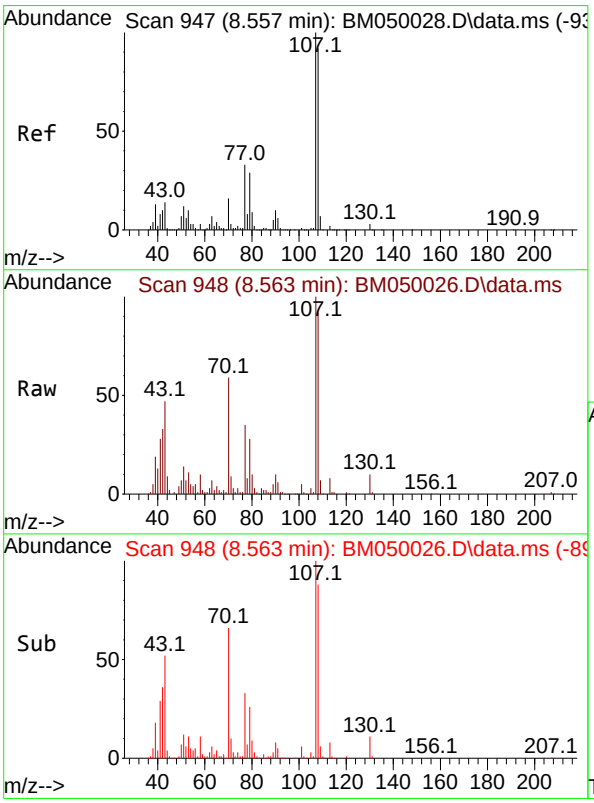
#19
n-Nitroso-di-n-propylamine
Concen: 9.609 ng
RT: 8.575 min Scan# 9
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion: 70 Resp: 110641

Ion	Ratio	Lower	Upper
70	100		
42	51.9	40.5	60.7
101	8.8	7.8	11.6
130	22.8	17.4	26.2

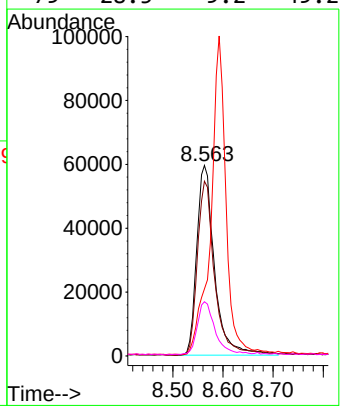


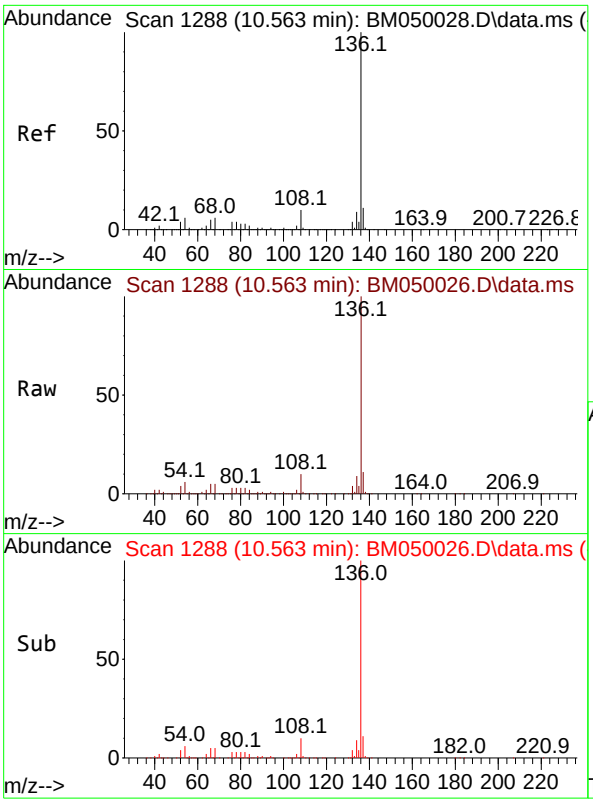


#20
3+4-Methylphenols
Concen: 9.049 ng
RT: 8.563 min Scan# 948
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:107 Resp: 146303

Ion	Ratio	Lower	Upper
107	100		
108	91.7	72.4	112.4
77	35.2	13.6	53.6
79	28.5	9.2	49.2



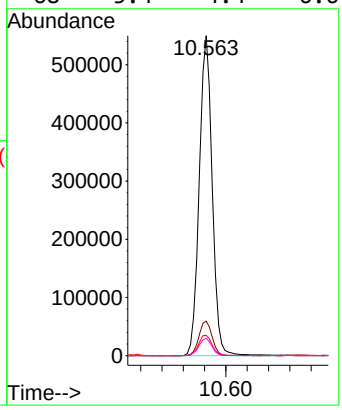


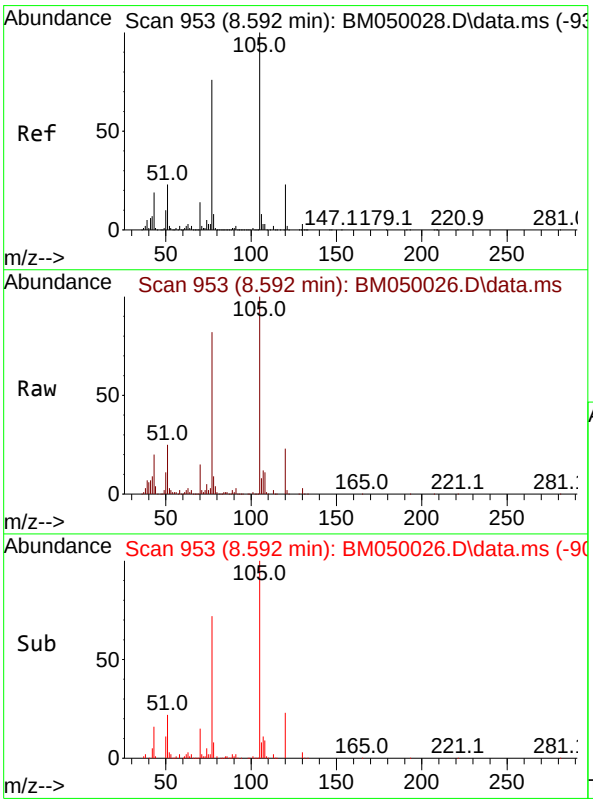
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:136 Resp: 926512

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.3	5.1	7.7
68	5.4	4.4	6.6

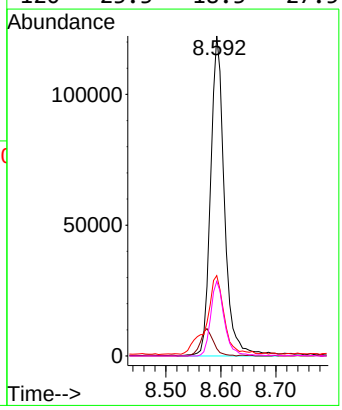


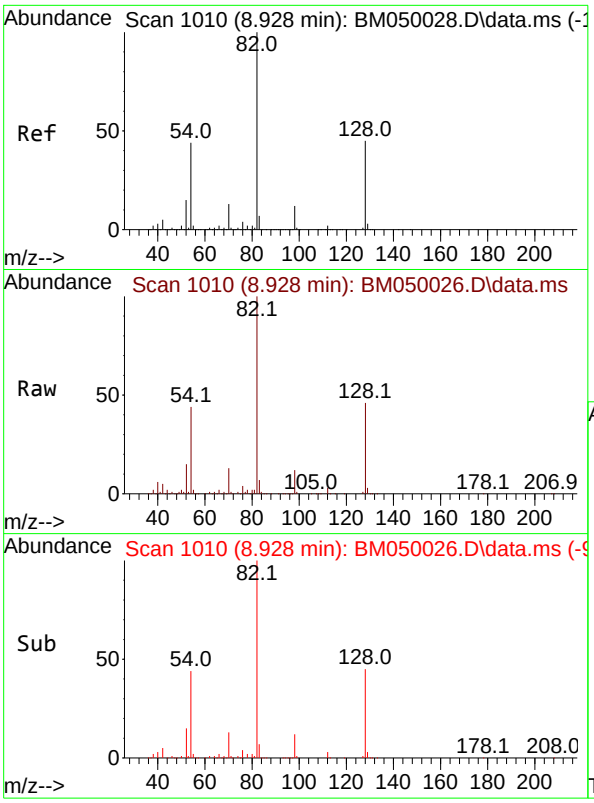


#22
Acetophenone
Concen: 9.325 ng
RT: 8.592 min Scan# 953
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:105 Resp: 214790

Ion	Ratio	Lower	Upper
105	100		
71	2.3	1.7	2.5
51	25.1	18.6	27.8
120	23.3	18.3	27.5



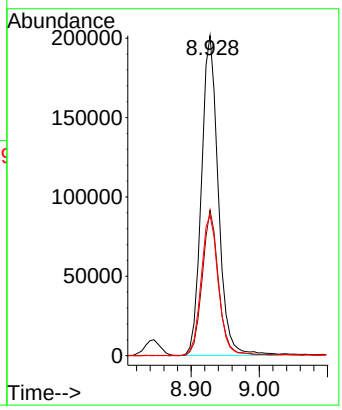


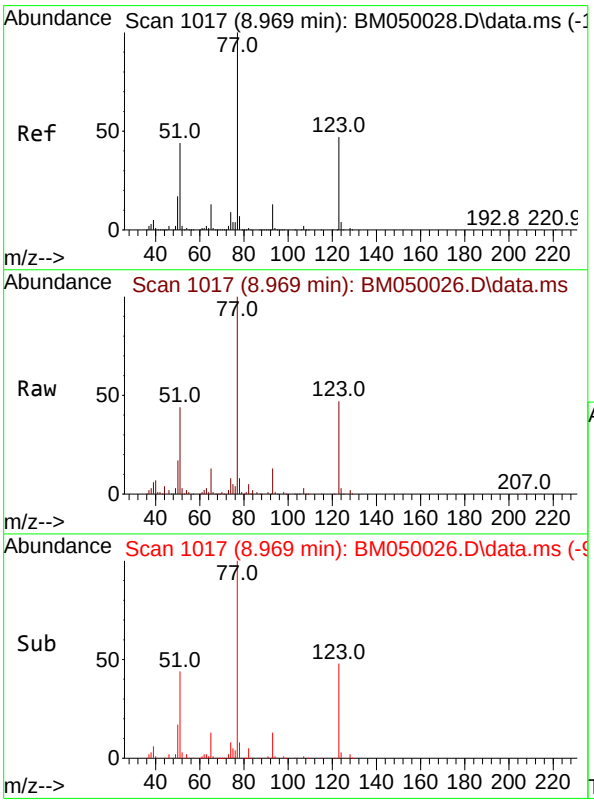
#23
Nitrobenzene-d5
Concen: 18.420 ng
RT: 8.928 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 346334

Ion	Ratio	Lower	Upper
82	100		
128	45.5	35.7	53.5
54	43.9	35.4	53.2

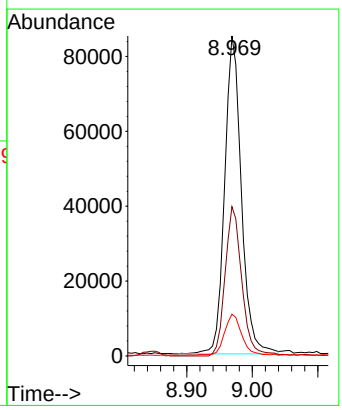


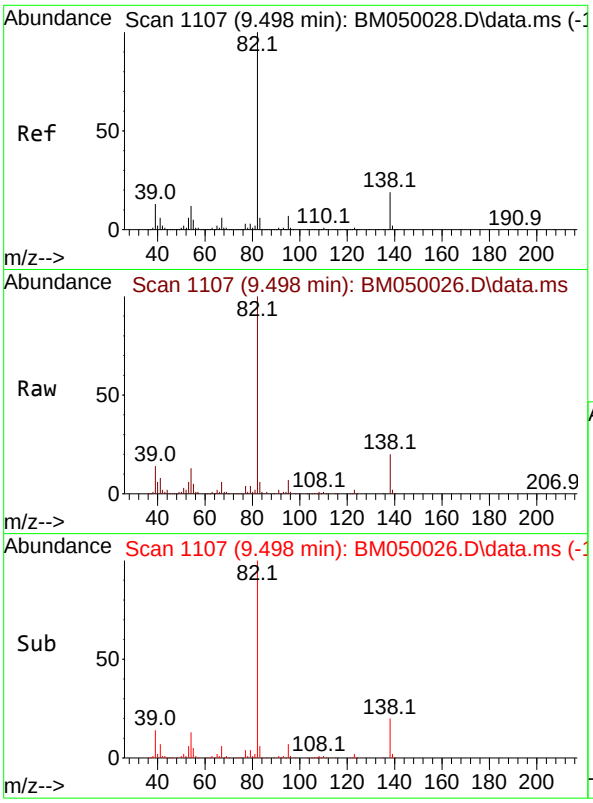


#24
Nitrobenzene
Concen: 9.259 ng
RT: 8.969 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion: 77 Resp: 150534

Ion	Ratio	Lower	Upper
77	100		
123	46.6	37.9	56.9
65	13.0	10.1	15.1



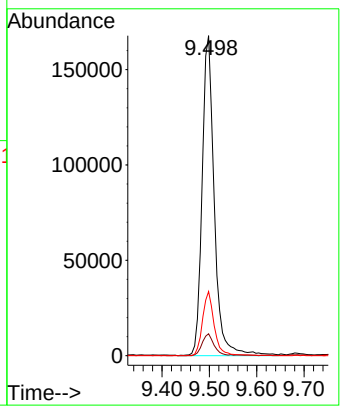


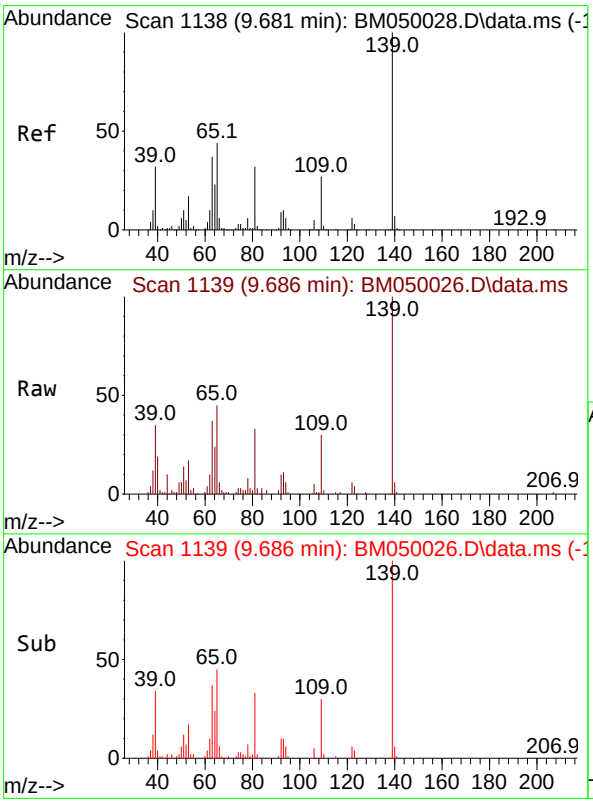
#25
Isophorone
Concen: 9.366 ng
RT: 9.498 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 300179

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.7	8.5
138	20.1	15.5	23.3

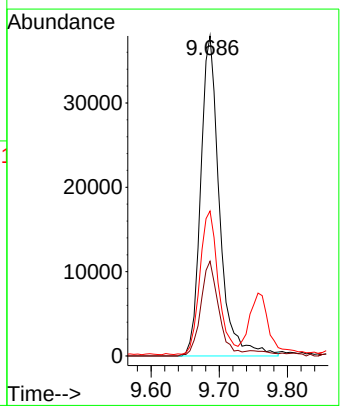


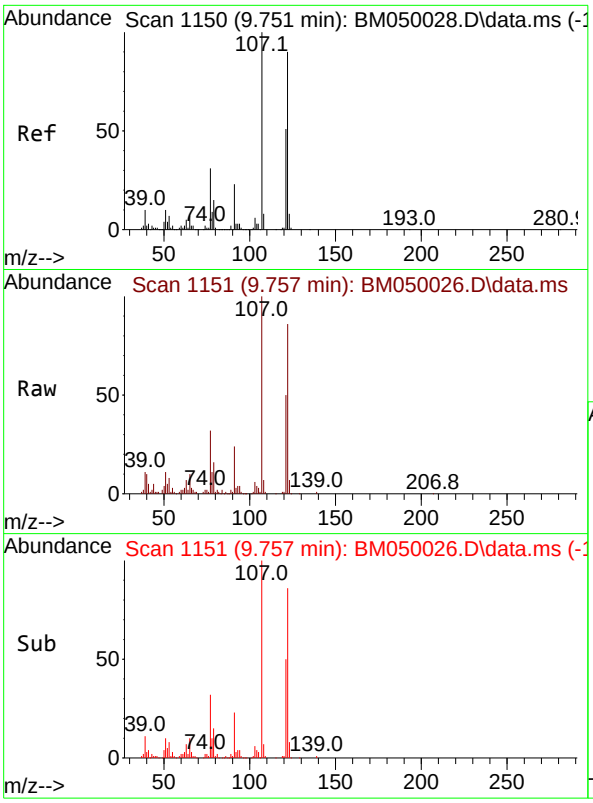


#26
2-Nitrophenol
Concen: 8.732 ng
RT: 9.686 min Scan# 1139
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:139 Resp: 72521

Ion	Ratio	Lower	Upper
139	100		
109	29.6	21.9	32.9
65	45.3	35.4	53.2



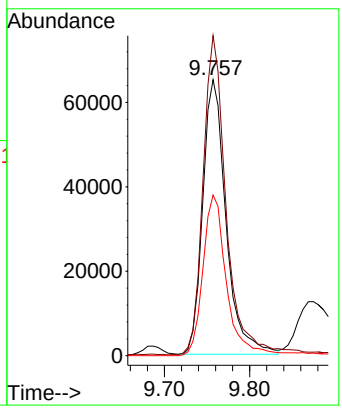


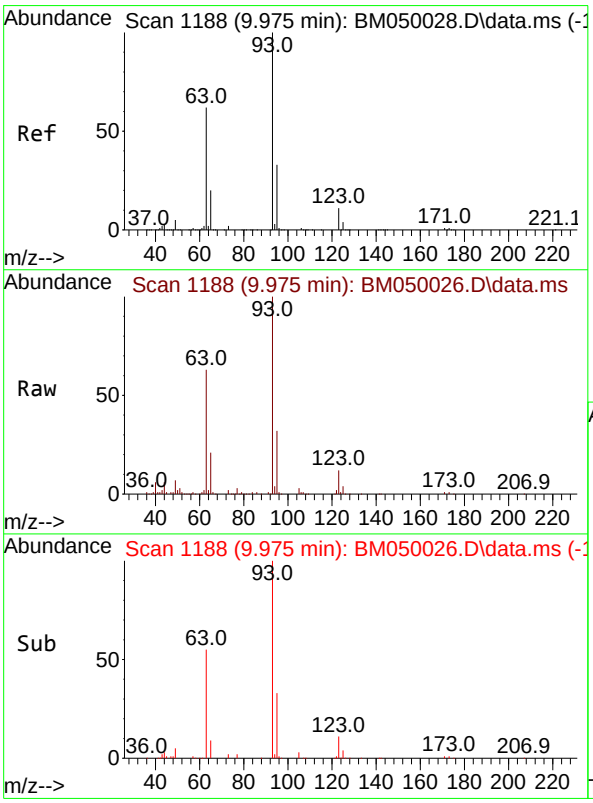
#27
2,4-Dimethylphenol
Concen: 8.960 ng
RT: 9.757 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:122 Resp: 123406

Ion	Ratio	Lower	Upper
122	100		
107	115.9	89.0	133.6
121	58.2	45.6	68.4

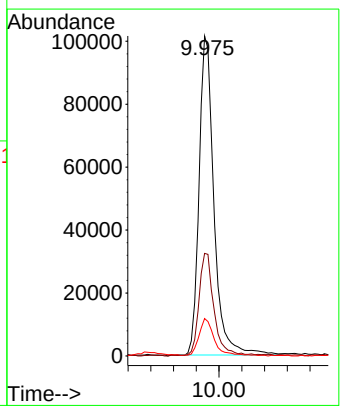


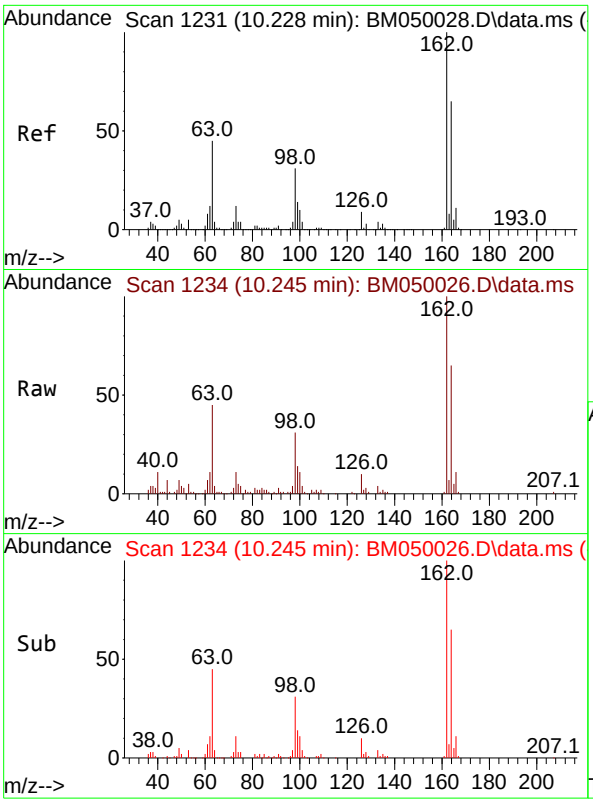


#28
bis(2-Chloroethoxy)methane
Concen: 9.331 ng
RT: 9.975 min Scan# 1188
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion: 93 Resp: 184837

Ion	Ratio	Lower	Upper
93	100		
95	32.0	26.1	39.1
123	11.7	9.5	14.3



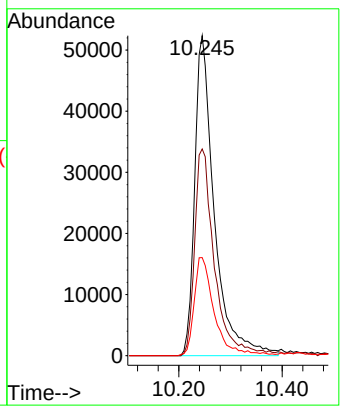


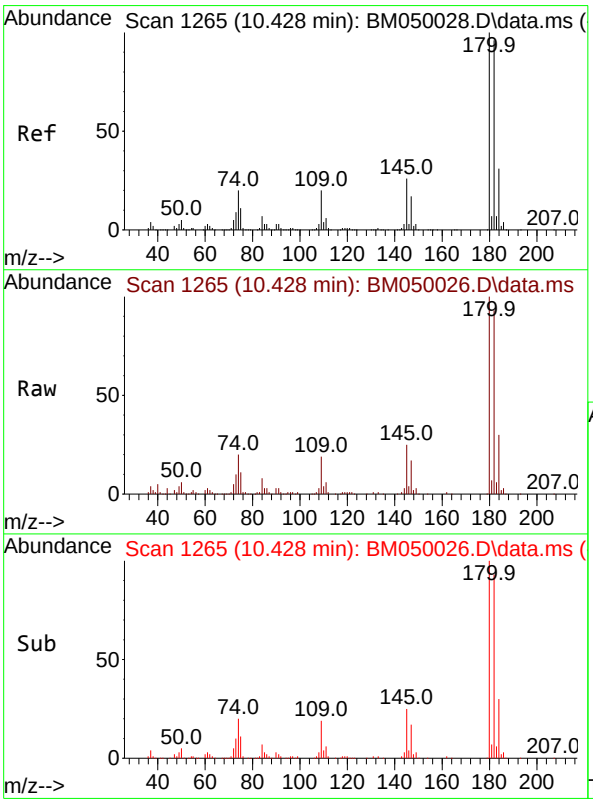
#29
2,4-Dichlorophenol
Concen: 8.938 ng
RT: 10.245 min Scan# 1
Delta R.T. 0.018 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 137916

Ion	Ratio	Lower	Upper
162	100		
164	64.6	45.4	85.4
98	30.7	11.3	51.3

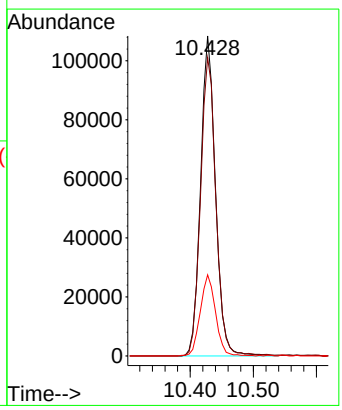


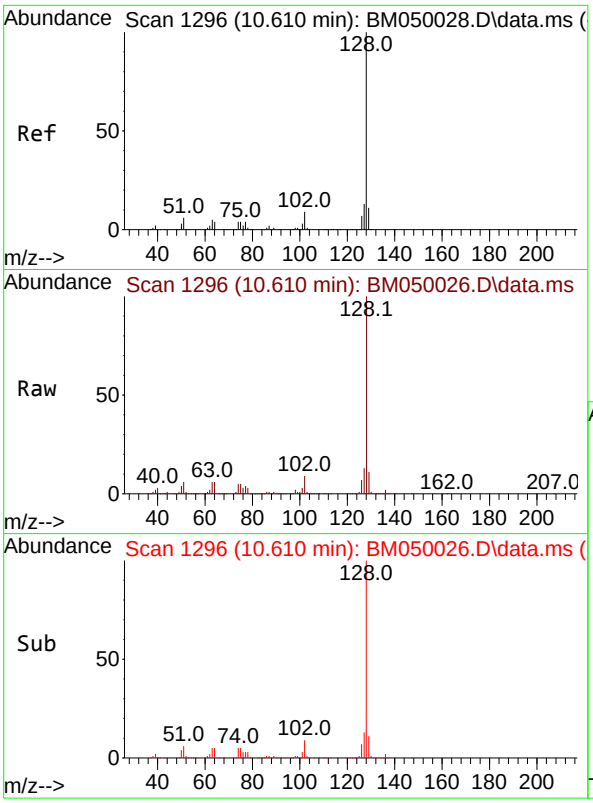


#30
1,2,4-Trichlorobenzene
Concen: 9.453 ng
RT: 10.428 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:180 Resp: 177721

Ion	Ratio	Lower	Upper
180	100		
182	93.2	77.0	115.4
145	25.3	20.6	30.8



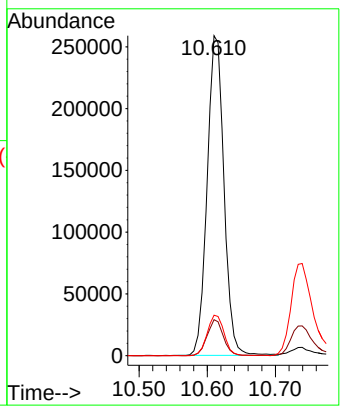


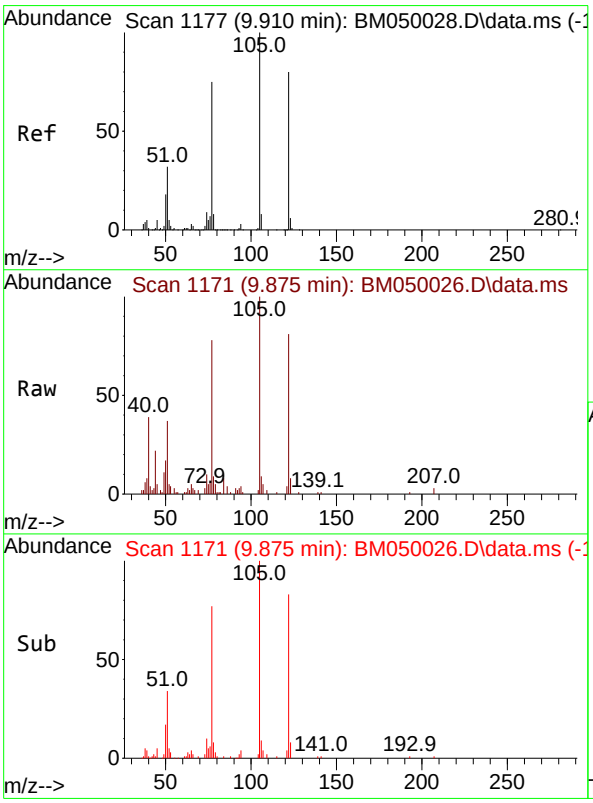
#31
Naphthalene
Concen: 9.467 ng
RT: 10.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 444206

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	12.7	10.4	15.6

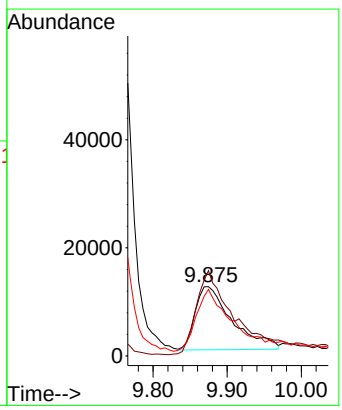


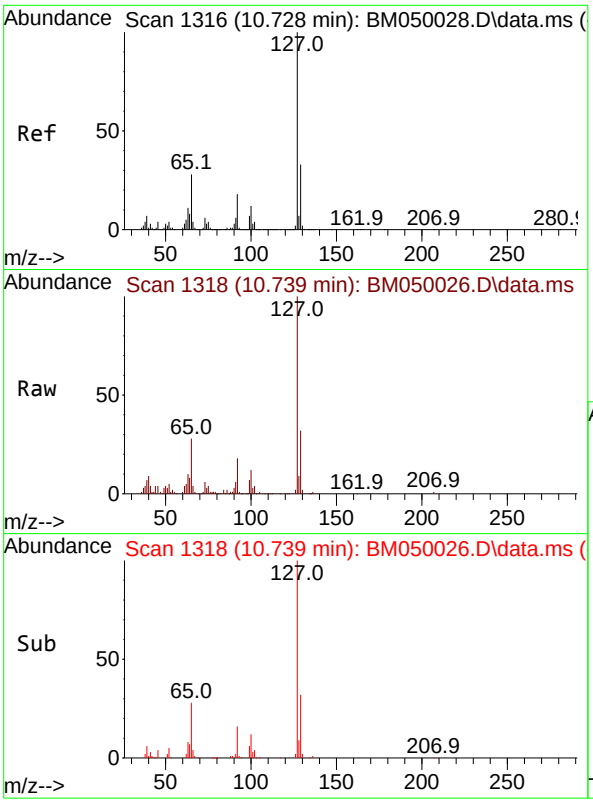


#32
Benzoic acid
Concen: 4.620 ng
RT: 9.875 min Scan# 1171
Delta R.T. -0.035 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:122 Resp: 40585

Ion	Ratio	Lower	Upper
122	100		
105	123.3	103.6	143.6
77	96.2	73.7	113.7



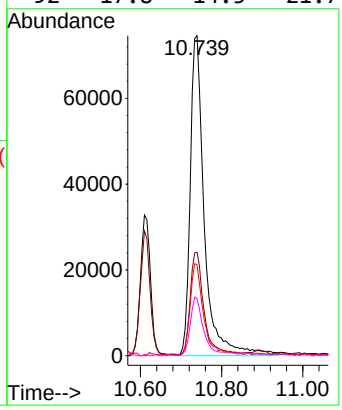


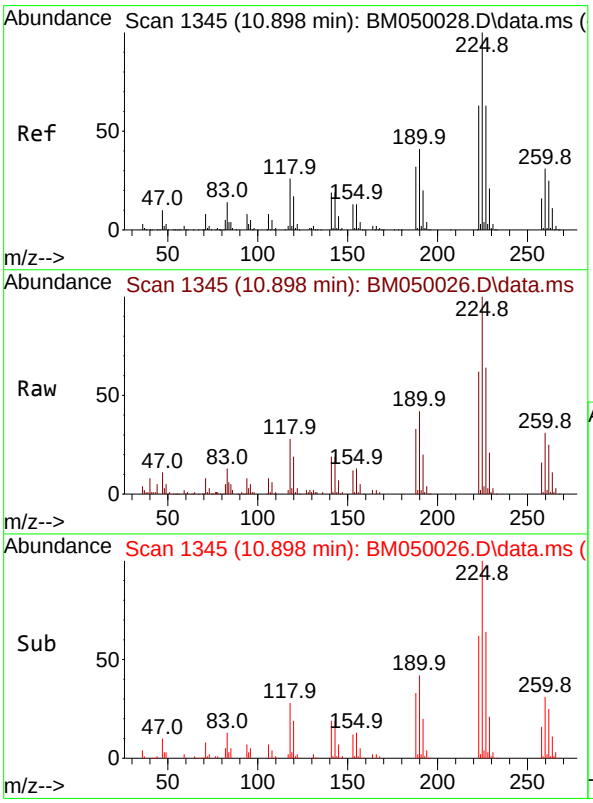
#33
4-Chloroaniline
Concen: 9.458 ng
RT: 10.739 min Scan# 1
Delta R.T. 0.012 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:127 Resp: 181907

Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.3	39.5
65	28.4	22.5	33.7
92	17.8	14.5	21.7

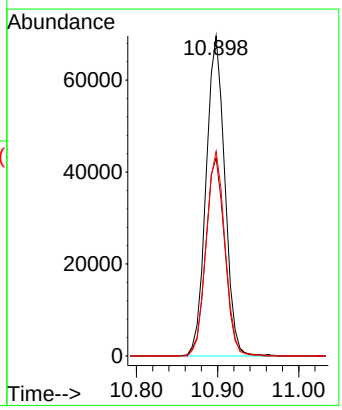


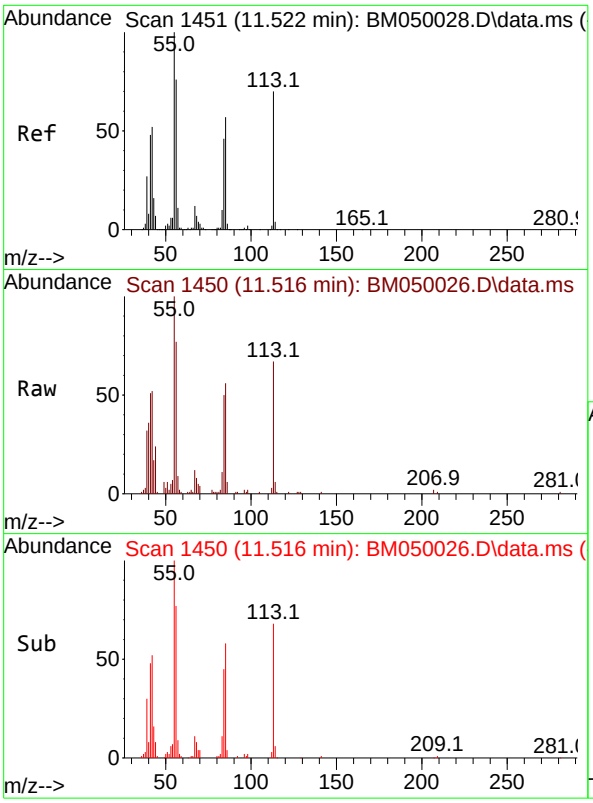


#34
Hexachlorobutadiene
Concen: 9.327 ng
RT: 10.898 min Scan# 1345
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:225 Resp: 111307

Ion	Ratio	Lower	Upper
225	100		
223	61.9	50.2	75.2
227	63.9	50.6	76.0



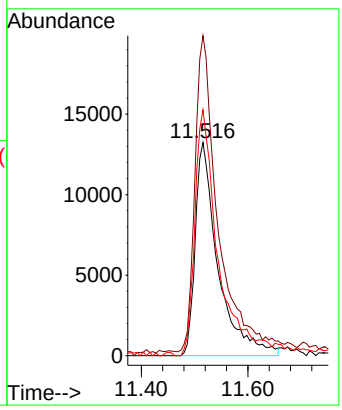


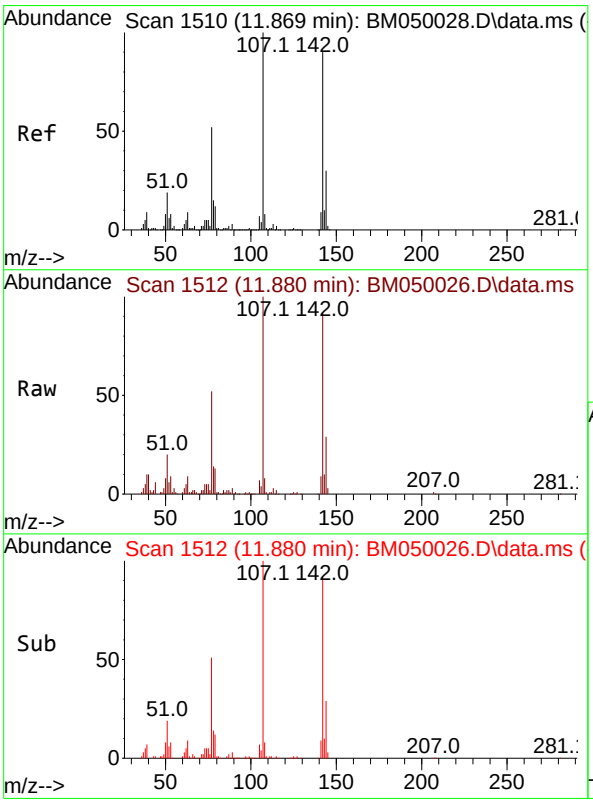
#35
Caprolactam
Concen: 8.745 ng
RT: 11.516 min Scan# 14
Delta R.T. -0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:113 Resp: 39344

Ion	Ratio	Lower	Upper
113	100		
55	150.2	122.9	162.9
56	115.3	88.1	128.1

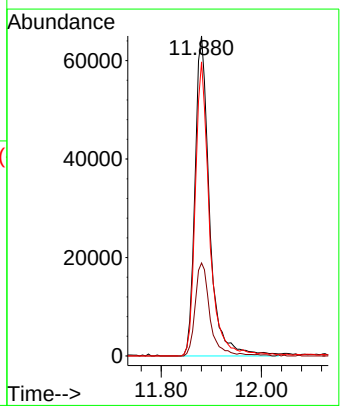


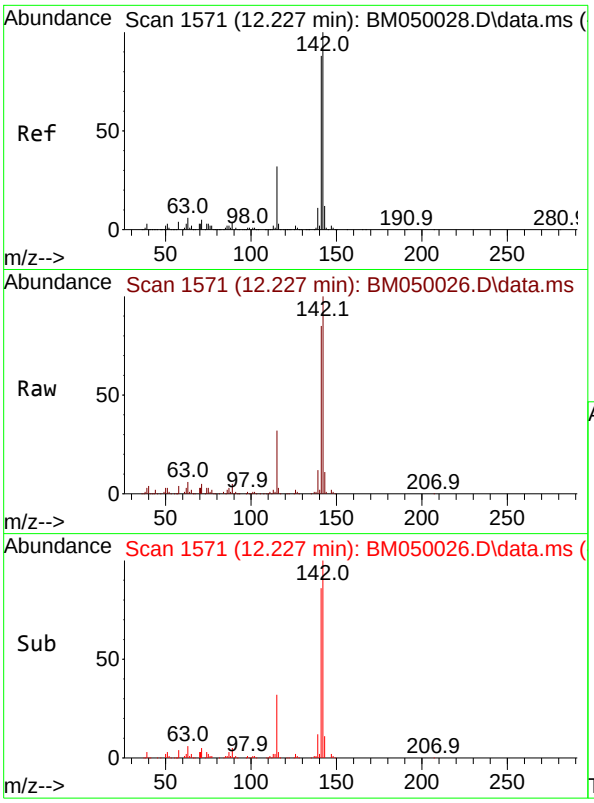


#36
4-Chloro-3-methylphenol
Concen: 9.194 ng
RT: 11.880 min Scan# 1512
Delta R.T. 0.012 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:107 Resp: 131076

Ion	Ratio	Lower	Upper
107	100		
144	29.1	23.8	35.6
142	91.9	71.9	107.9



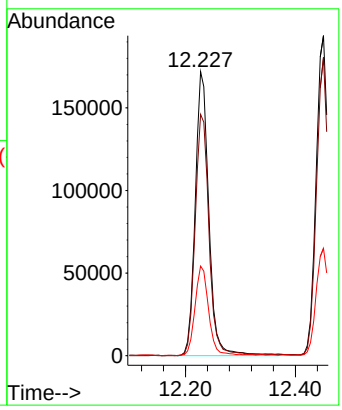


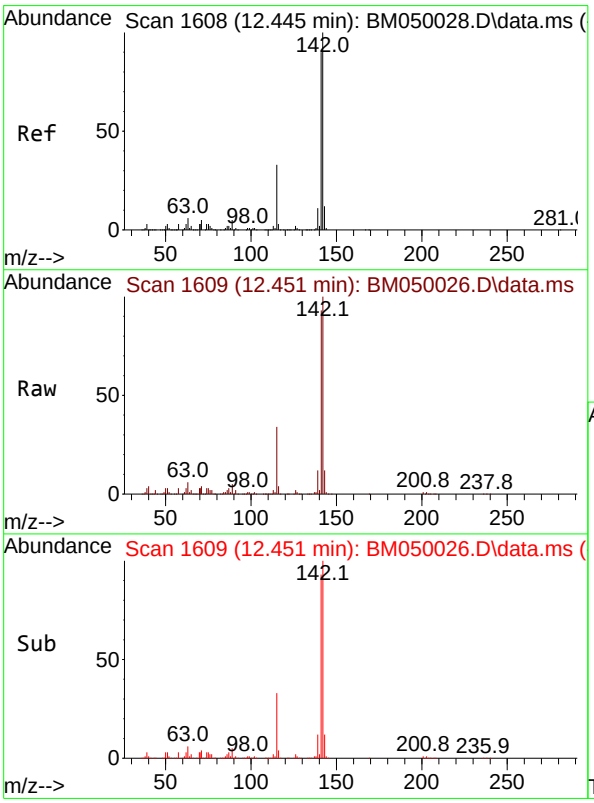
#37
2-Methylnaphthalene
Concen: 9.411 ng
RT: 12.227 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 296053

Ion	Ratio	Lower	Upper
142	100		
141	85.0	70.4	105.6
115	31.5	25.4	38.2

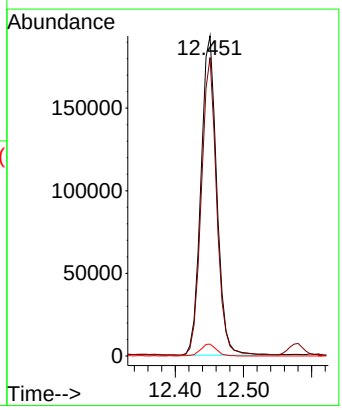


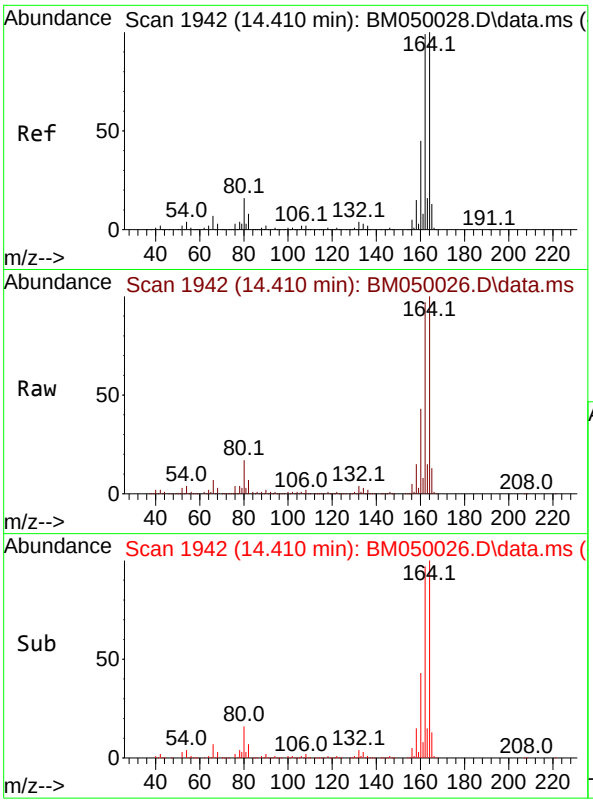


#38
1-Methylnaphthalene
Concen: 9.387 ng
RT: 12.451 min Scan# 1609
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:142 Resp: 312512

Ion	Ratio	Lower	Upper
142	100		
141	93.3	72.1	108.1
116	3.7	2.7	4.1



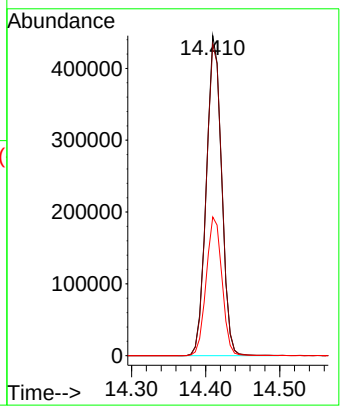


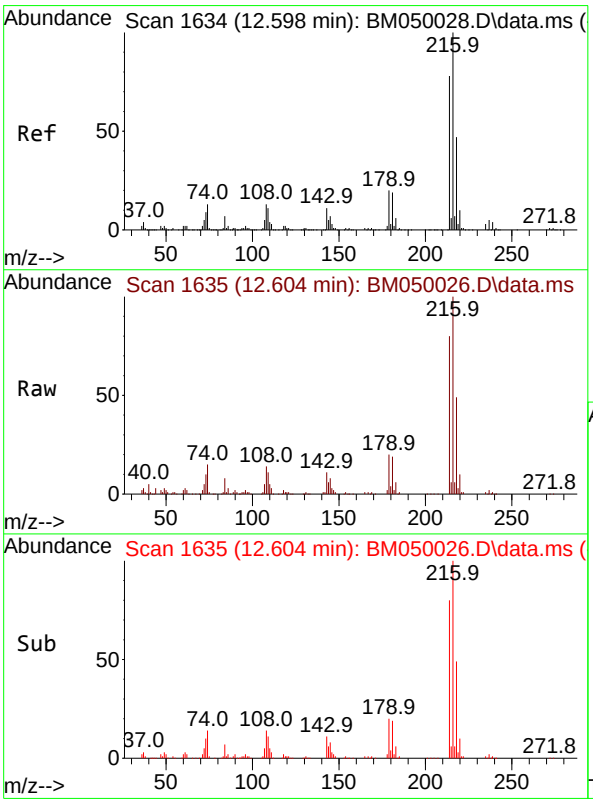
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:164 Resp: 636652

Ion	Ratio	Lower	Upper
164	100		
162	97.3	79.4	119.0
160	43.3	36.2	54.4

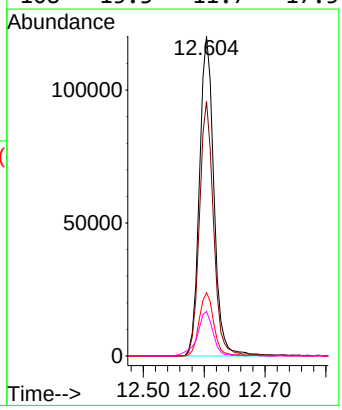


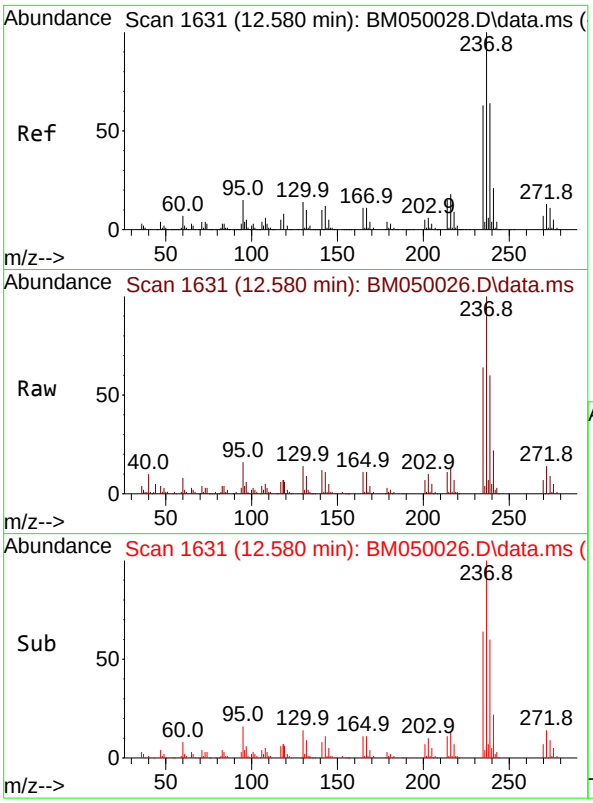


#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.981 ng
RT: 12.604 min Scan# 1635
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:216 Resp: 197943

Ion	Ratio	Lower	Upper
216	100		
214	77.7	62.3	93.5
179	20.0	15.4	23.0
108	15.3	11.7	17.5



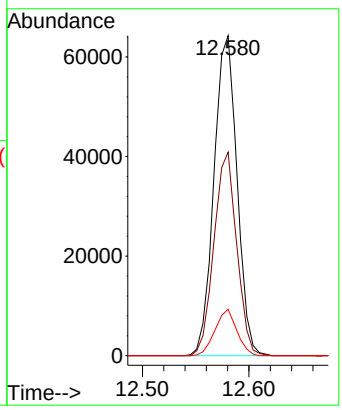


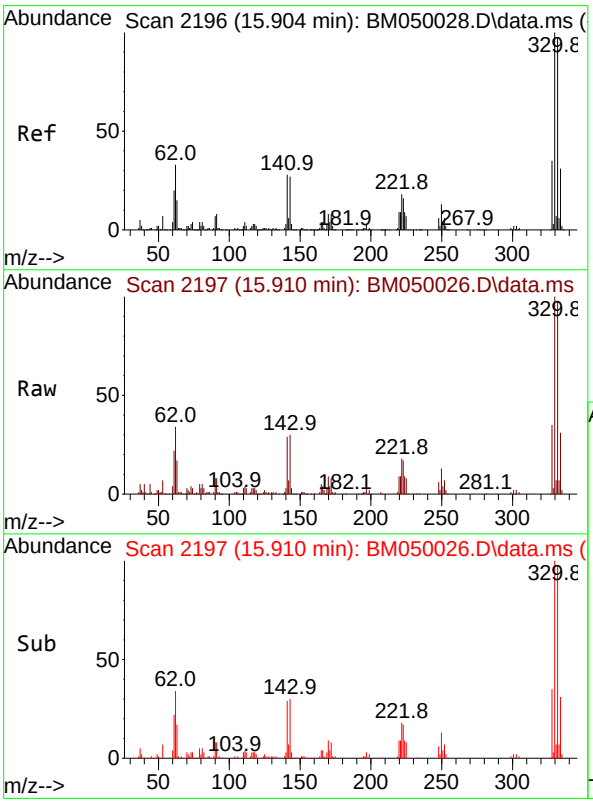
#41
Hexachlorocyclopentadiene
Concen: 7.166 ng
RT: 12.580 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 96522

Ion	Ratio	Lower	Upper
237	100		
235	63.6	42.9	82.9
272	14.5	0.0	32.9

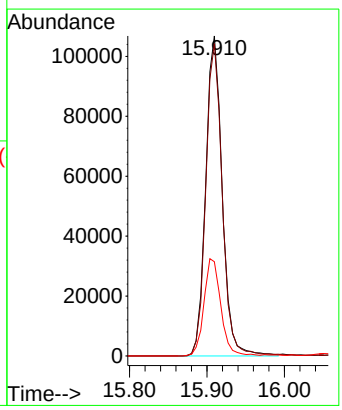


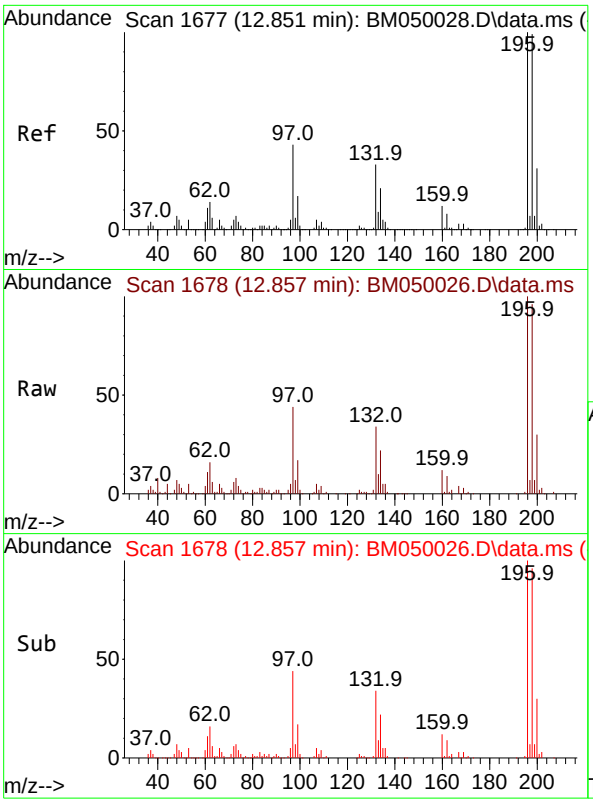


#42
2,4,6-Tribromophenol
Concen: 16.820 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:330 Resp: 158339

Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.3	115.9
141	31.1	22.5	33.7



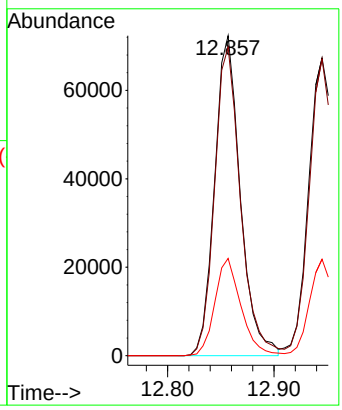


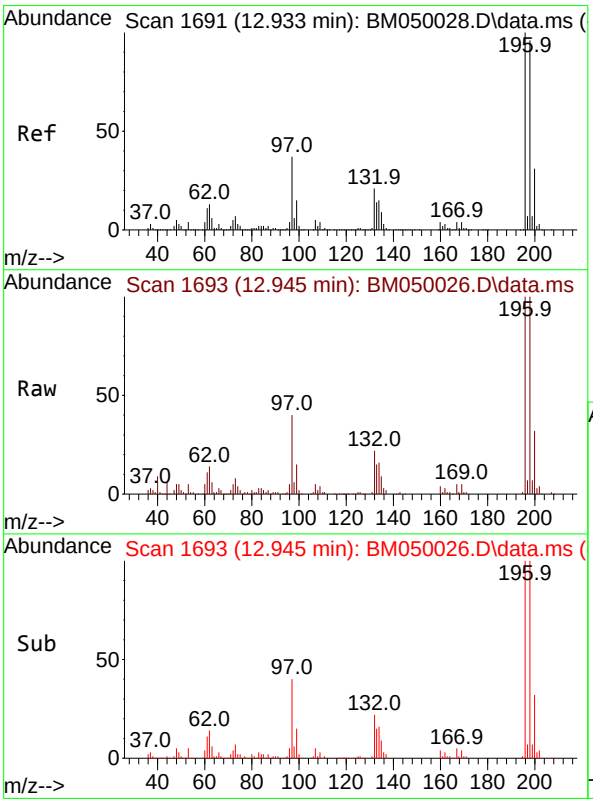
#43
2,4,6-Trichlorophenol
Concen: 8.673 ng
RT: 12.857 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:196 Resp: 121240

Ion	Ratio	Lower	Upper
196	100		
198	96.5	79.0	118.6
200	30.4	25.1	37.7

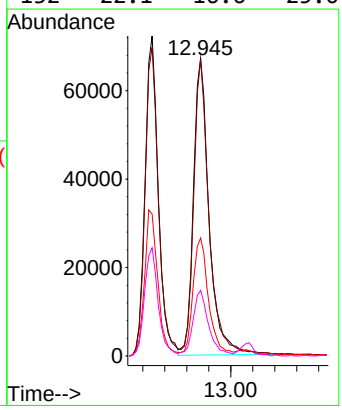


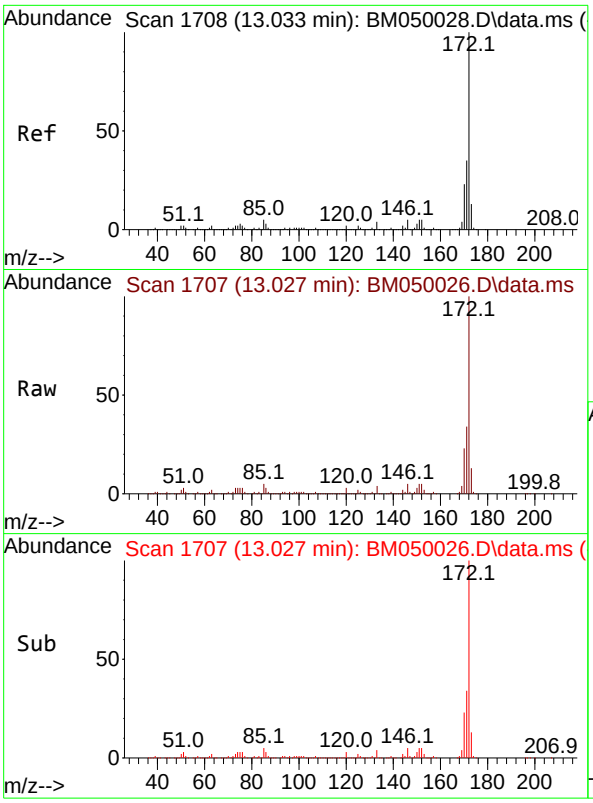


#44
2,4,5-Trichlorophenol
Concen: 8.815 ng
RT: 12.945 min Scan# 1693
Delta R.T. 0.012 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:196 Resp: 132882

Ion	Ratio	Lower	Upper
196	100		
198	99.7	76.7	115.1
97	39.6	30.1	45.1
132	22.1	16.6	25.0



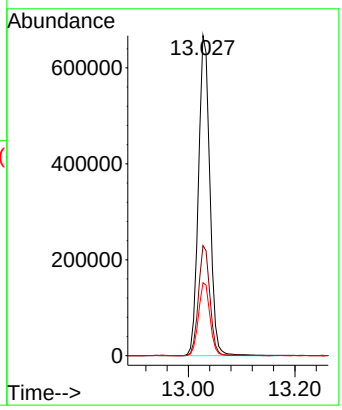


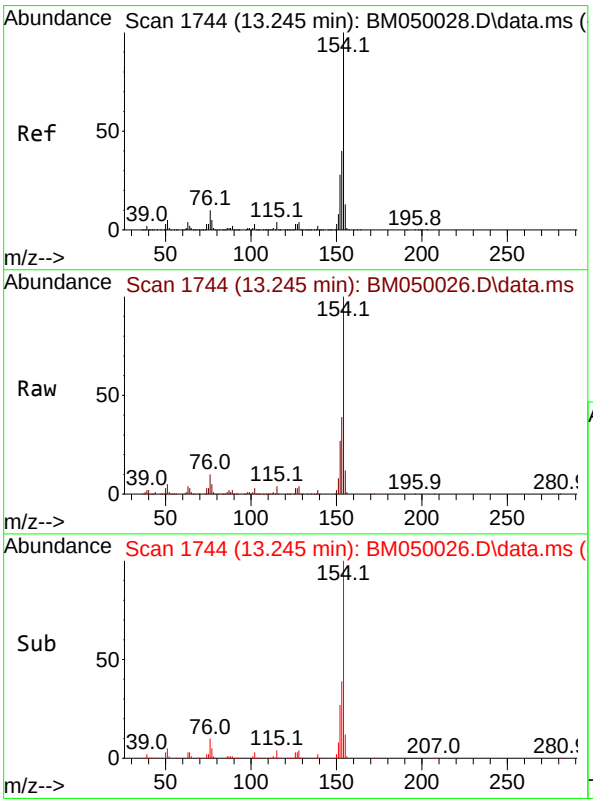
#45
2-Fluorobiphenyl
Concen: 18.394 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:172 Resp: 989917

Ion	Ratio	Lower	Upper
172	100		
171	34.4	27.8	41.6
170	22.8	18.6	28.0

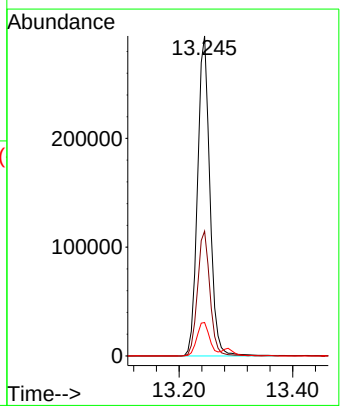


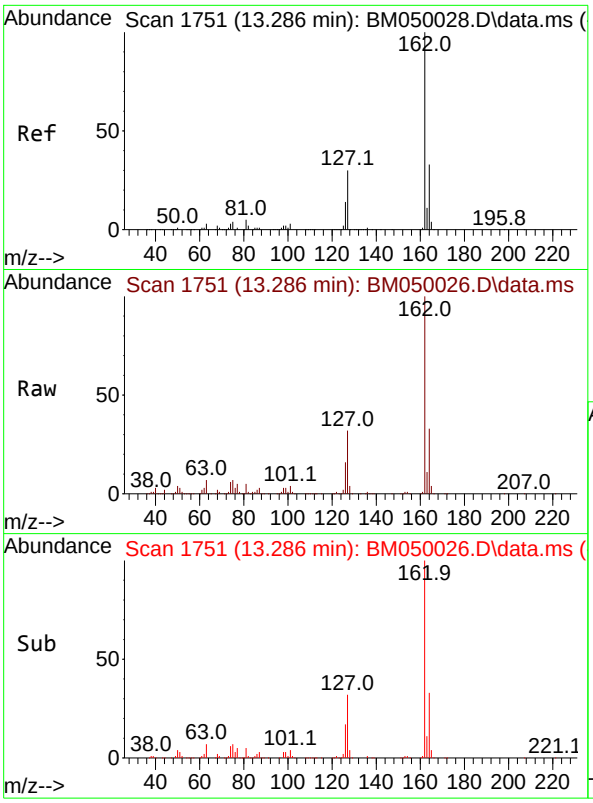


#46
1,1'-Biphenyl
Concen: 9.381 ng
RT: 13.245 min Scan# 1744
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:154 Resp: 443960

Ion	Ratio	Lower	Upper
154	100		
153	39.0	20.0	60.0
76	10.4	0.0	30.3



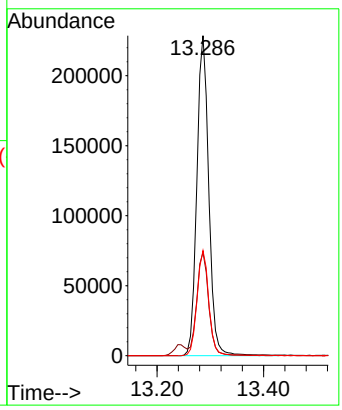


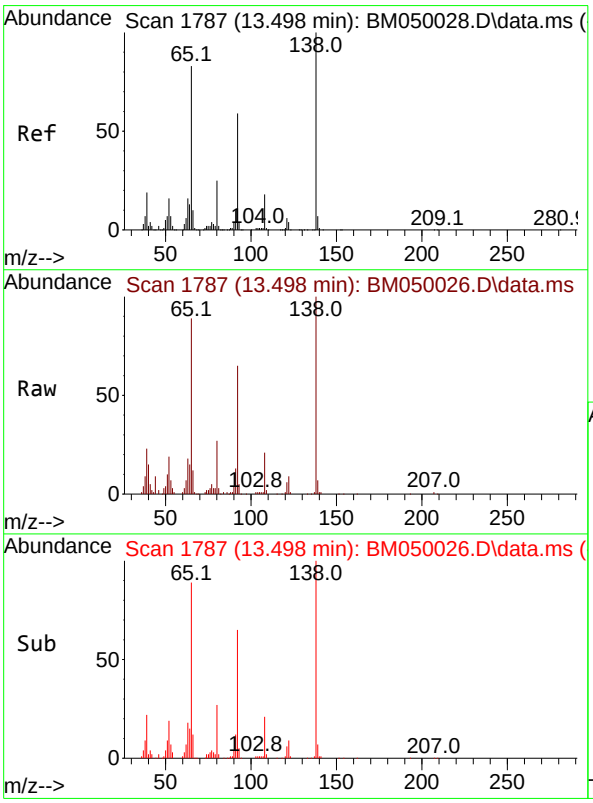
#47
2-Chloronaphthalene
Concen: 9.447 ng
RT: 13.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 354101

Ion	Ratio	Lower	Upper
162	100		
127	32.3	25.9	38.9
164	32.8	26.6	40.0

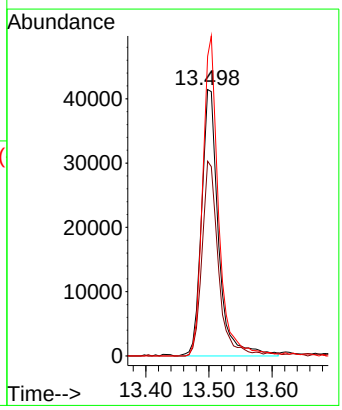


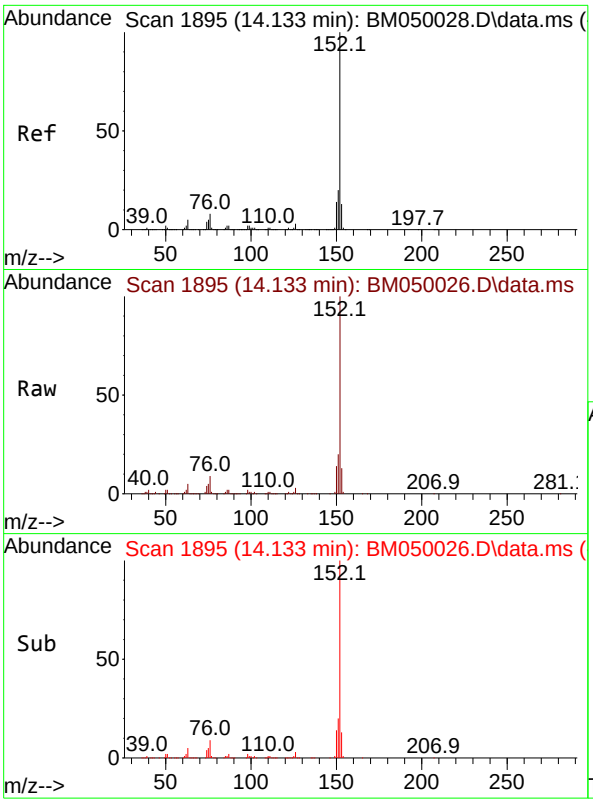


#48
2-Nitroaniline
Concen: 8.764 ng
RT: 13.498 min Scan# 1787
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion: 65 Resp: 77101

Ion	Ratio	Lower	Upper
65	100		
92	73.1	57.1	85.7
138	112.5	97.0	145.4



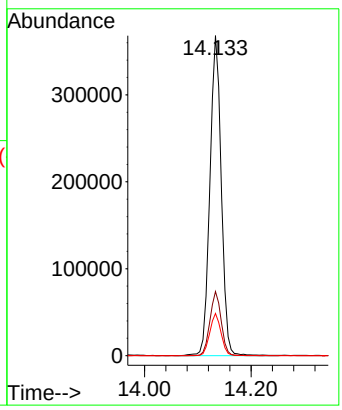


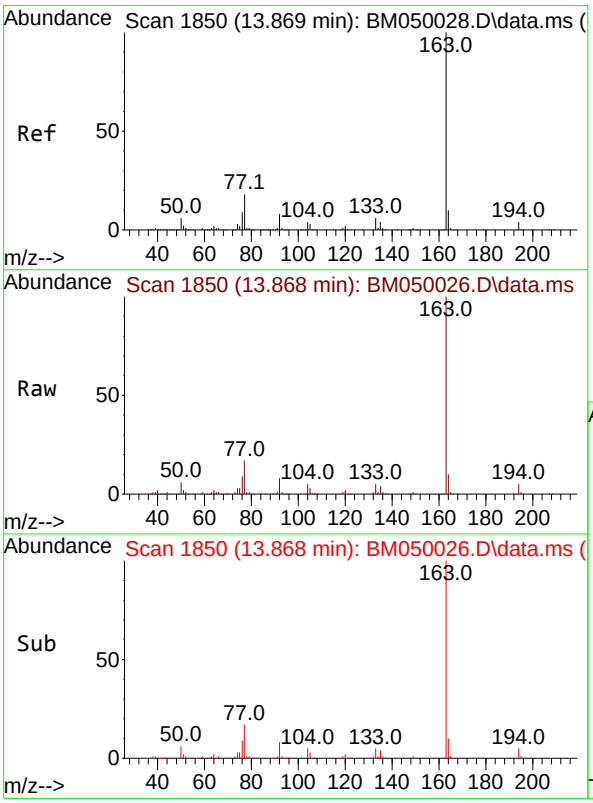
#49
Acenaphthylene
Concen: 9.235 ng
RT: 14.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 545774

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.8
153	13.2	10.6	15.8

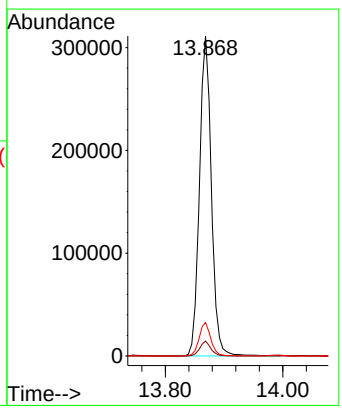


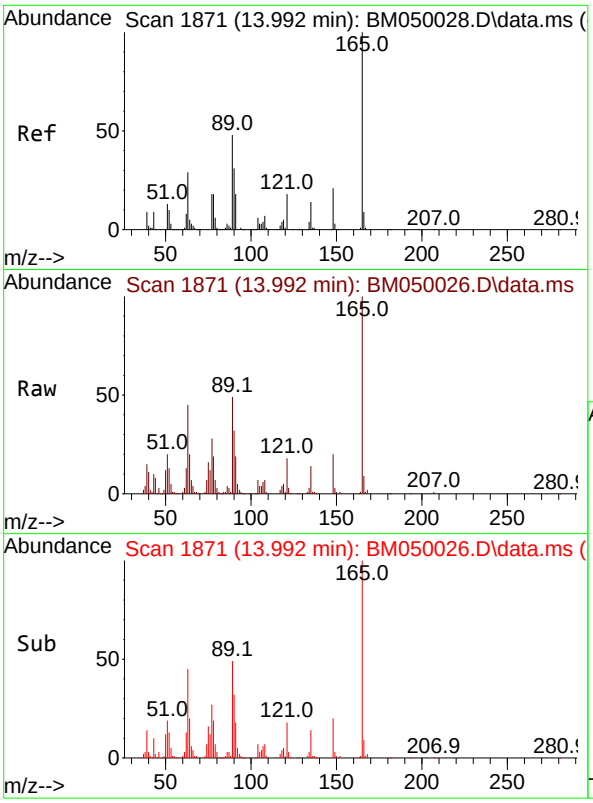


#50
Dimethylphthalate
Concen: 9.419 ng
RT: 13.868 min Scan# 1850
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:163 Resp: 438261

Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.4	5.2
164	10.5	8.2	12.2



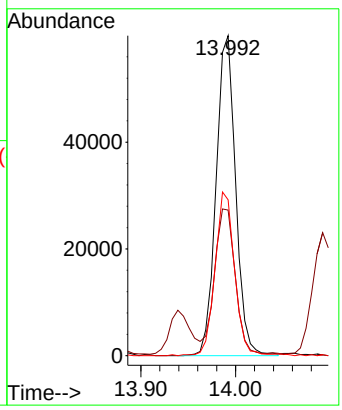


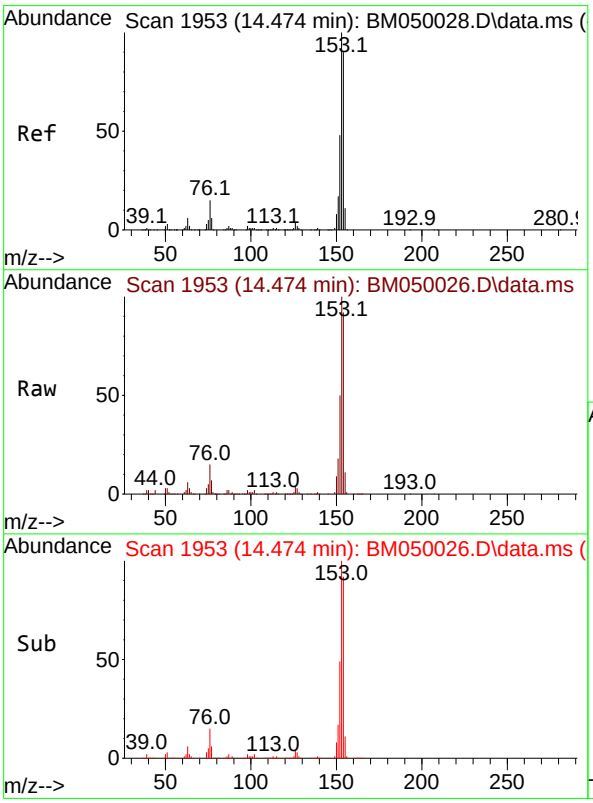
#51
2,6-Dinitrotoluene
Concen: 8.953 ng
RT: 13.992 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 86242

Ion	Ratio	Lower	Upper
165	100		
63	45.5	35.1	52.7
89	48.7	38.4	57.6

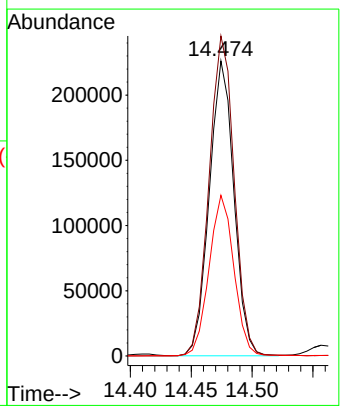


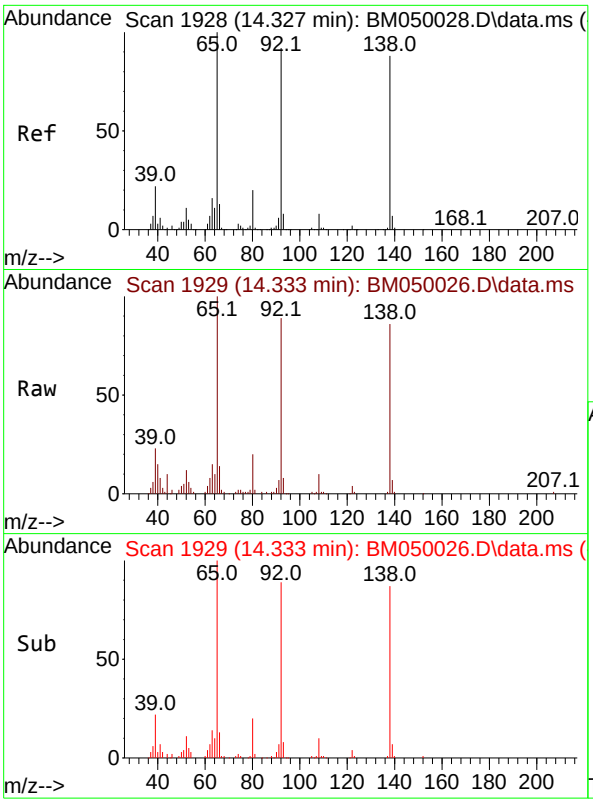


#52
Acenaphthene
Concen: 9.288 ng
RT: 14.474 min Scan# 1953
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:154 Resp: 317735

Ion	Ratio	Lower	Upper
154	100		
153	108.5	89.0	133.4
152	54.5	43.0	64.6



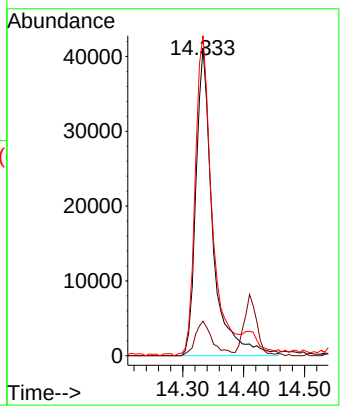


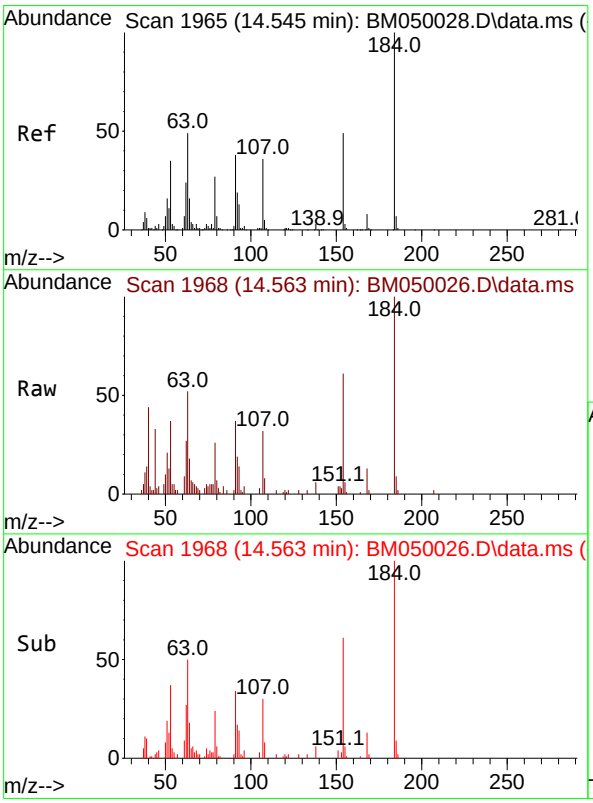
#53
3-Nitroaniline
Concen: 8.559 ng
RT: 14.333 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:138 Resp: 78720

Ion	Ratio	Lower	Upper
138	100		
108	11.2	7.4	11.2#
92	104.0	84.0	126.0

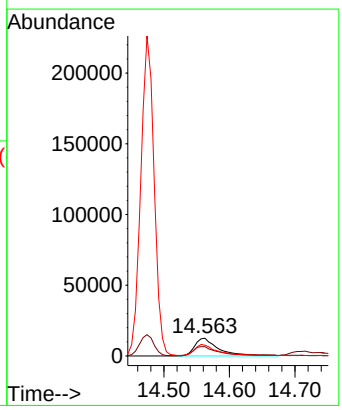


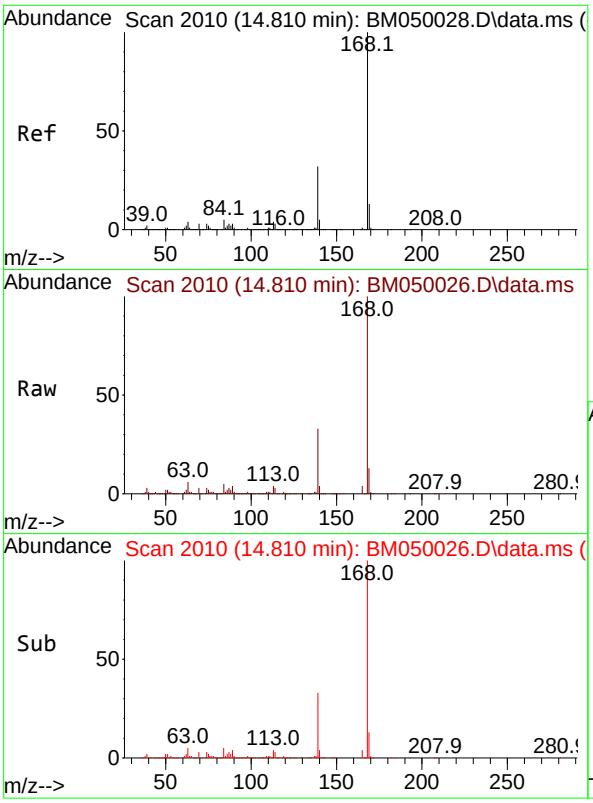


#54
2,4-Dinitrophenol
Concen: 10.558 ng
RT: 14.563 min Scan# 1968
Delta R.T. 0.018 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:184 Resp: 31979

Ion	Ratio	Lower	Upper
184	100		
63	52.1	39.8	59.6
154	60.9	46.1	69.1



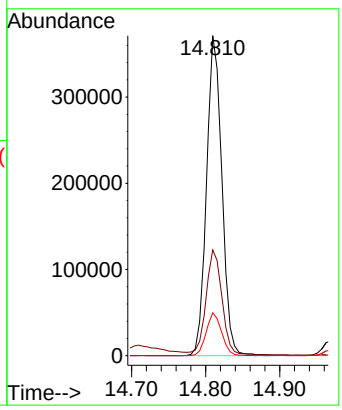


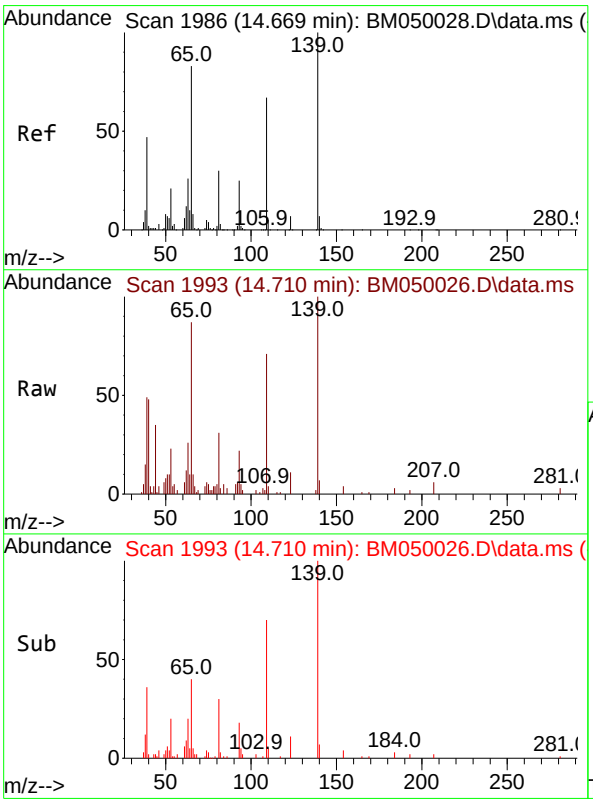
#55
Dibenzofuran
Concen: 9.401 ng
RT: 14.810 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:168 Resp: 535023

Ion	Ratio	Lower	Upper
168	100		
139	33.0	26.1	39.1
169	13.4	10.8	16.2

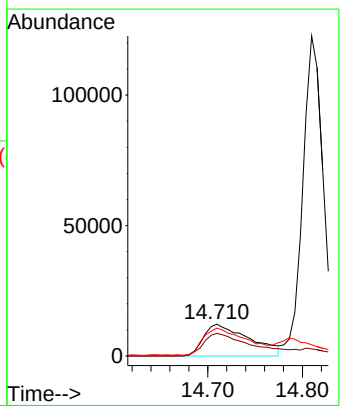


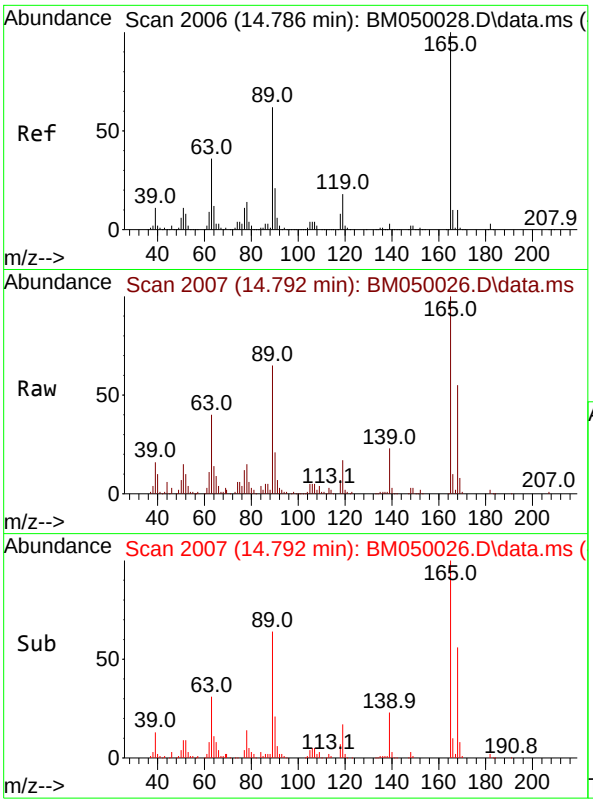


#56
4-Nitrophenol
Concen: 9.668 ng
RT: 14.710 min Scan# 1993
Delta R.T. 0.041 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:139 Resp: 40722

Ion	Ratio	Lower	Upper
139	100		
109	70.7	47.0	87.0
65	87.5	64.3	104.3



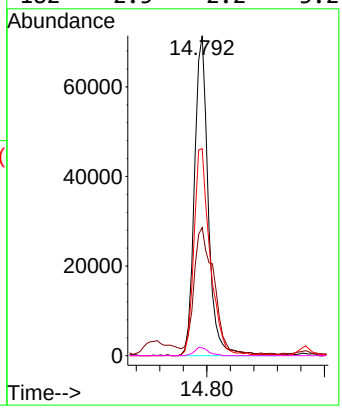


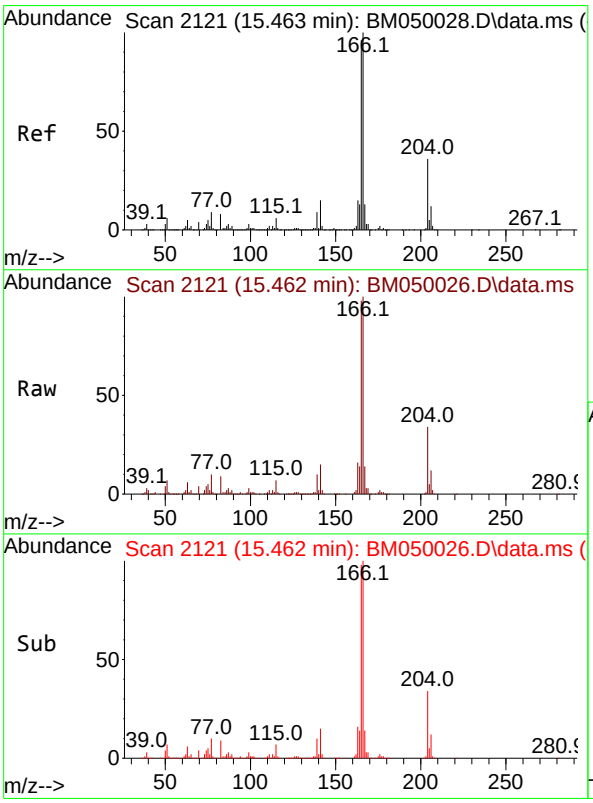
#57
2,4-Dinitrotoluene
Concen: 8.750 ng
RT: 14.792 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 116476

Ion	Ratio	Lower	Upper
165	100		
63	40.1	29.0	43.6
89	64.7	49.4	74.2
182	2.5	2.2	3.2

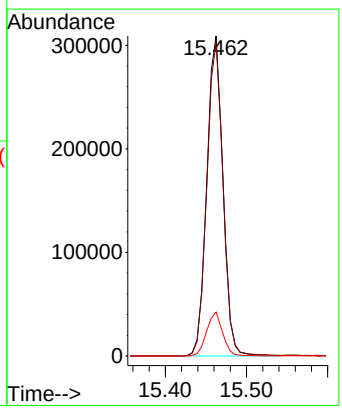


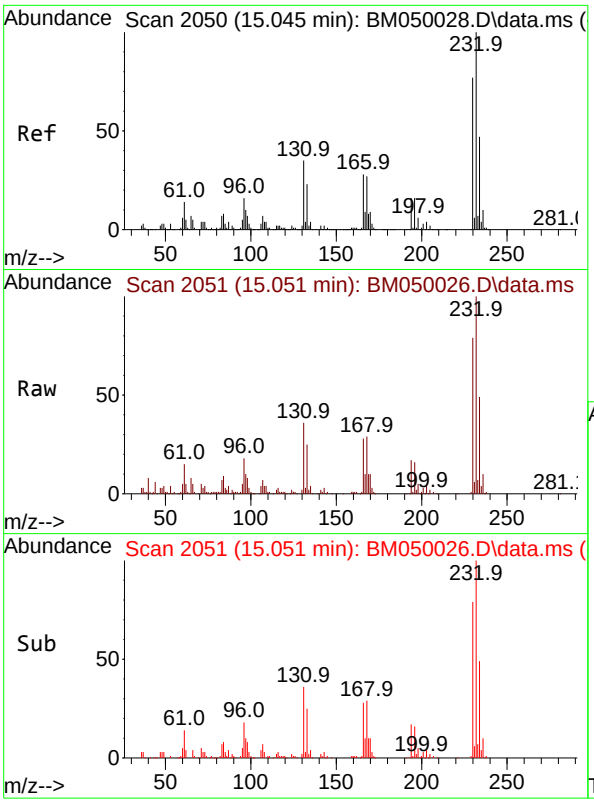


#58
Fluorene
Concen: 9.174 ng
RT: 15.462 min Scan# 2121
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:166 Resp: 427384

Ion	Ratio	Lower	Upper
166	100		
165	98.0	76.6	115.0
167	13.7	10.6	16.0



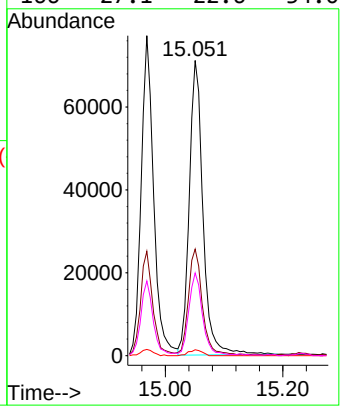


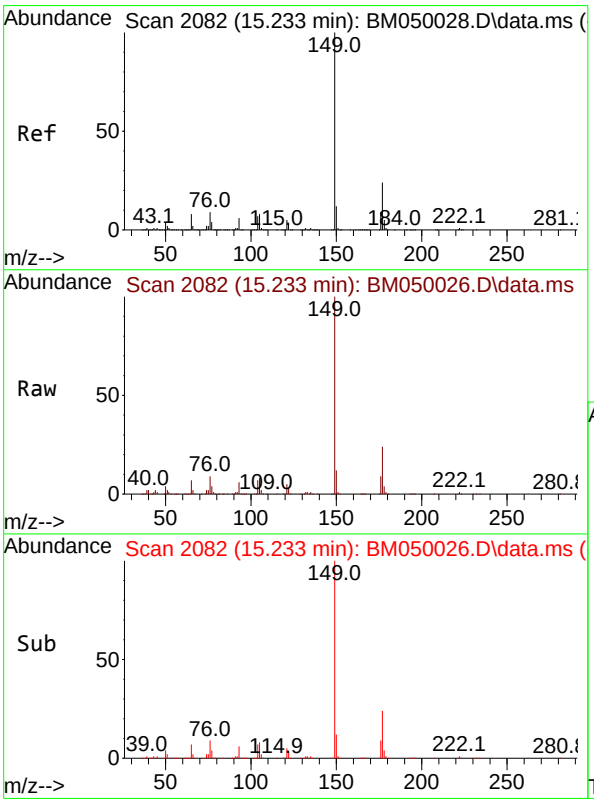
#59
2,3,4,6-Tetrachlorophenol
Concen: 8.828 ng
RT: 15.051 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:232 Resp: 115185

Ion	Ratio	Lower	Upper
232	100		
131	36.2	28.2	42.4
130	2.0	1.5	2.3
166	27.1	22.6	34.0

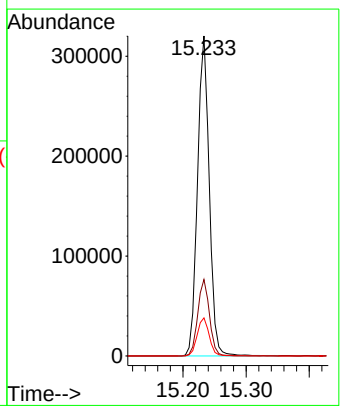


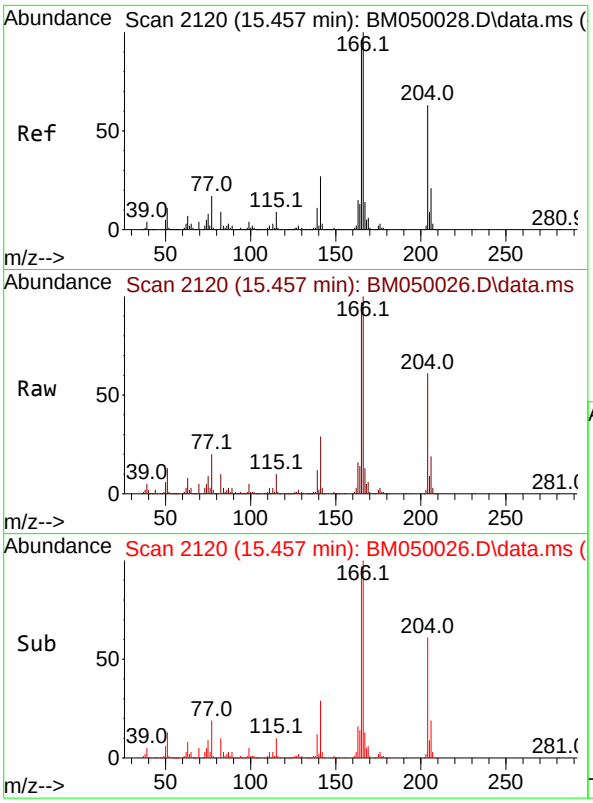


#60
Diethylphthalate
Concen: 9.447 ng
RT: 15.233 min Scan# 2082
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:149 Resp: 414149

Ion	Ratio	Lower	Upper
149	100		
177	23.9	19.1	28.7
150	11.9	9.6	14.4



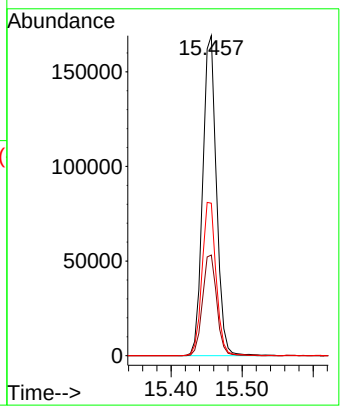


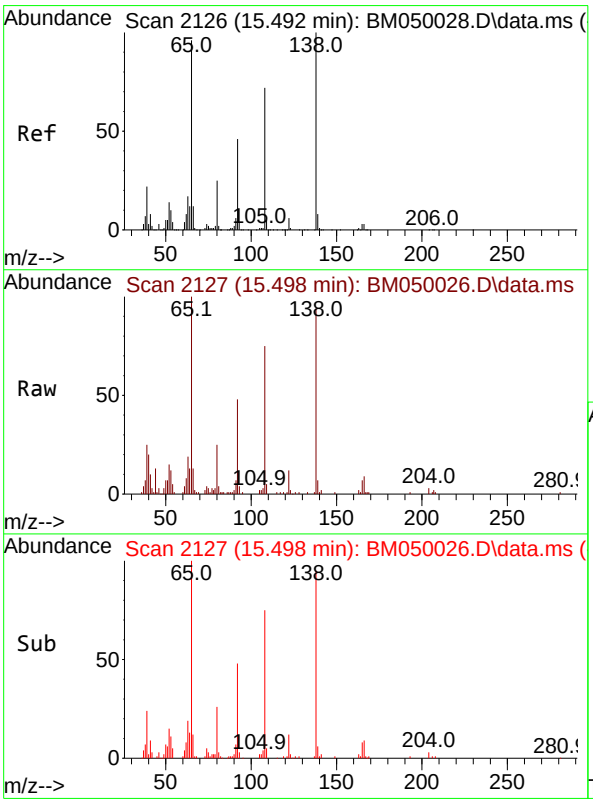
#61
4-Chlorophenyl-phenylether
Concen: 8.908 ng
RT: 15.457 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 227926

Ion	Ratio	Lower	Upper
204	100		
206	31.4	26.3	39.5
141	47.6	34.0	51.0

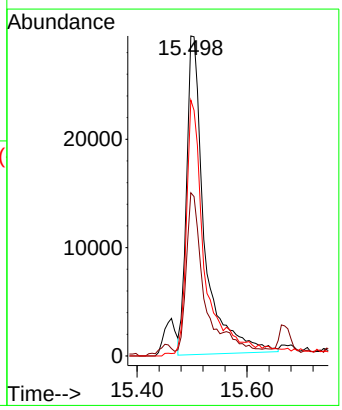


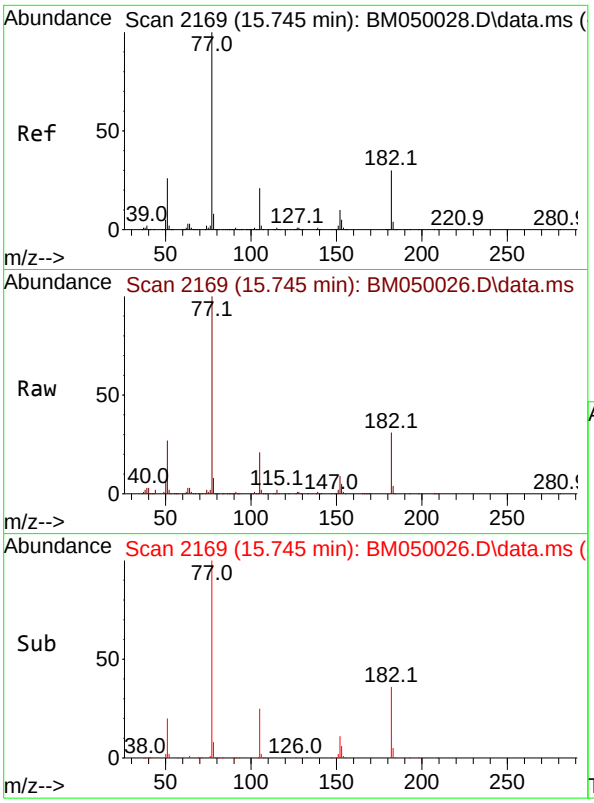


#62
4-Nitroaniline
Concen: 7.526 ng
RT: 15.498 min Scan# 2127
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:138 Resp: 66832

Ion	Ratio	Lower	Upper
138	100		
92	51.0	25.9	65.9
108	80.0	52.4	92.4



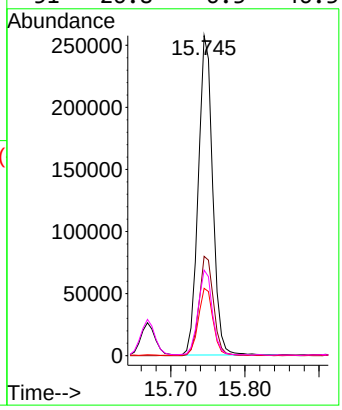


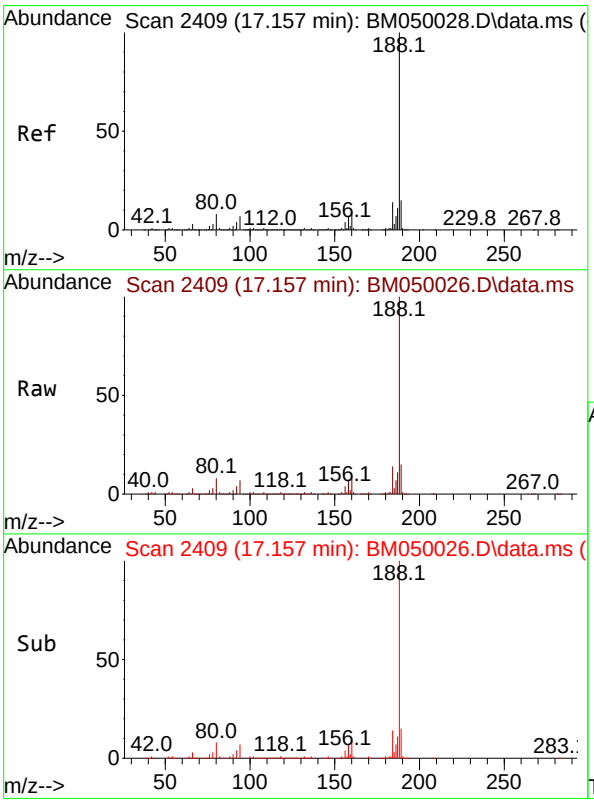
#63
Azobenzene
Concen: 9.454 ng
RT: 15.745 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 347347

Ion	Ratio	Lower	Upper
77	100		
182	31.0	10.5	50.5
105	21.0	1.1	41.1
51	26.8	6.3	46.3

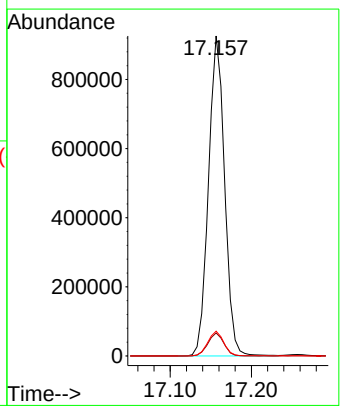


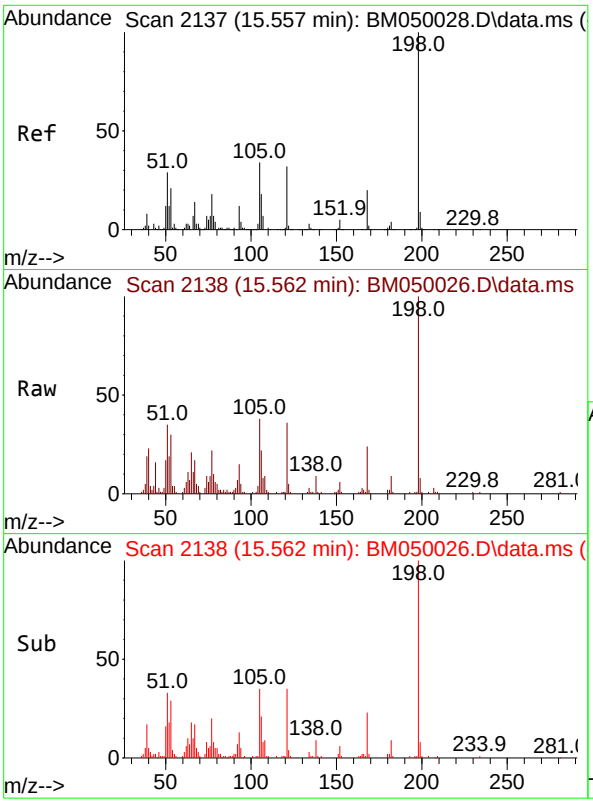


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:188 Resp: 1274608

Ion	Ratio	Lower	Upper
188	100		
94	7.2	5.7	8.5
80	7.8	6.2	9.4



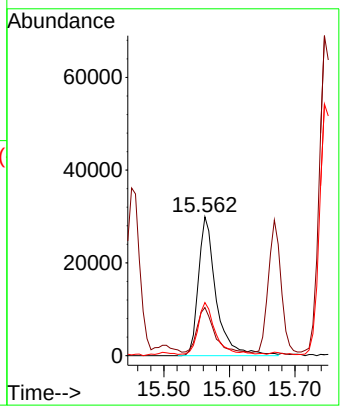


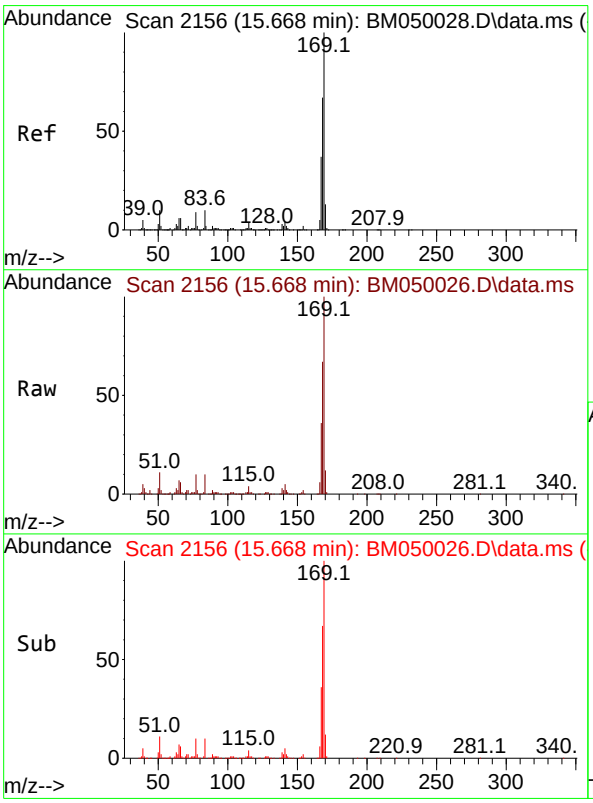
#65
4,6-Dinitro-2-methylphenol
Concen: 7.042 ng
RT: 15.562 min Scan# 21
Delta R.T. 0.005 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 56182

Ion	Ratio	Lower	Upper
198	100		
51	34.7	10.4	50.4
105	38.2	14.6	54.6

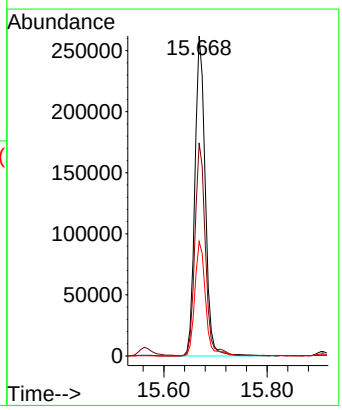


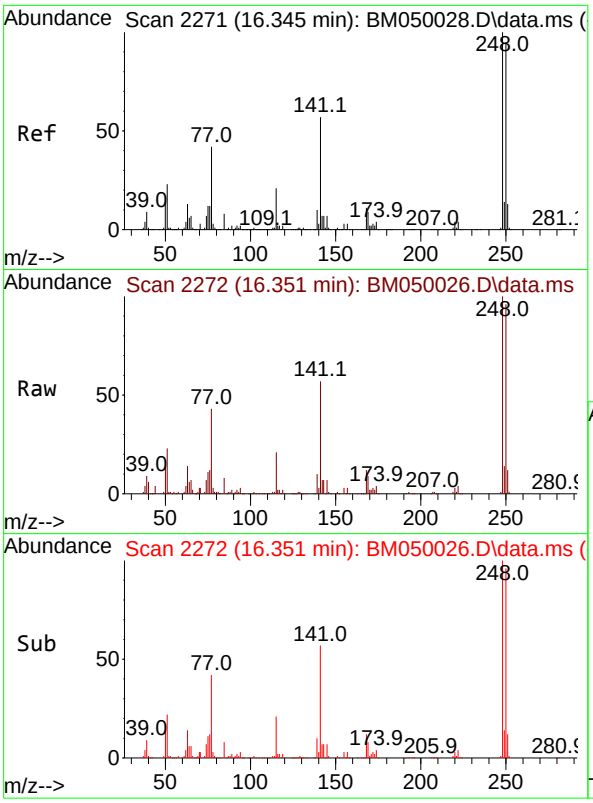


#66
n-Nitrosodiphenylamine
Concen: 9.315 ng
RT: 15.668 min Scan# 2156
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:169 Resp: 364601

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.4	80.2
167	35.8	29.4	44.0



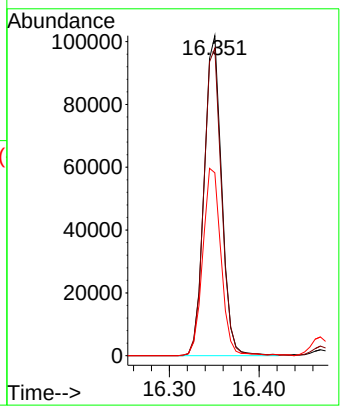


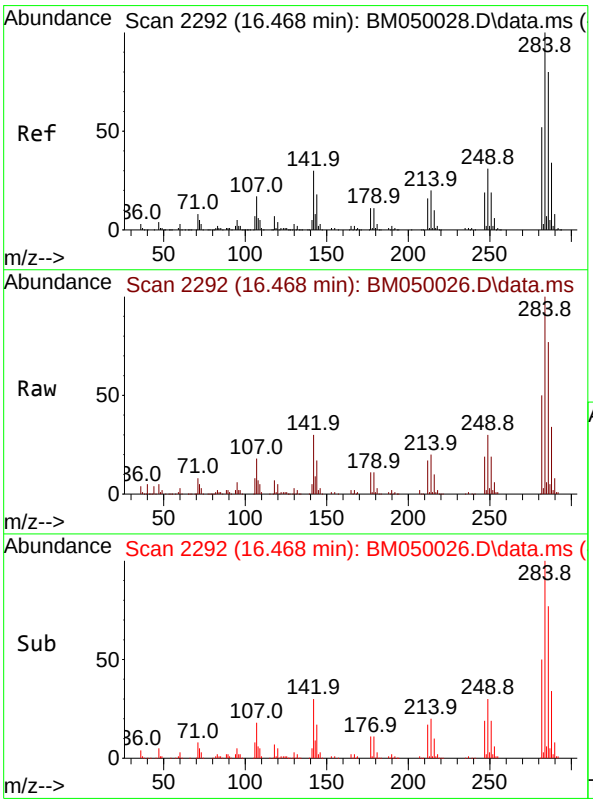
#67
4-Bromophenyl-phenylether
Concen: 8.923 ng
RT: 16.351 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:248 Resp: 137532

Ion	Ratio	Lower	Upper
248	100		
250	96.1	76.2	114.2
141	57.1	45.9	68.9

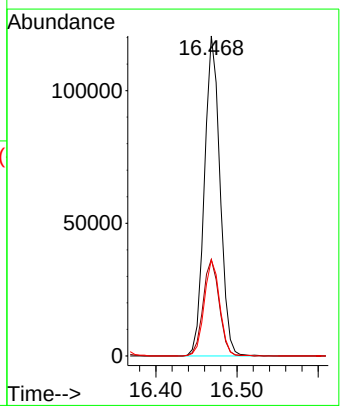


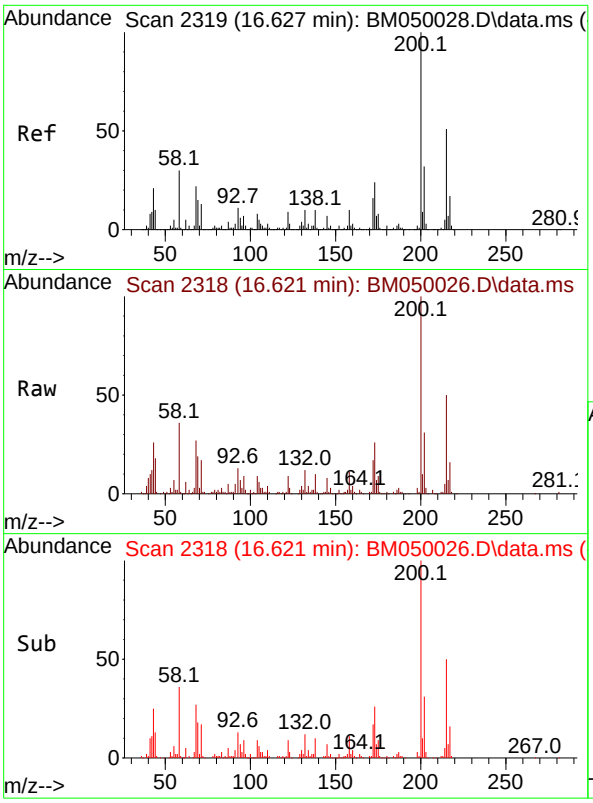


#68
Hexachlorobenzene
Concen: 9.016 ng
RT: 16.468 min Scan# 2292
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:284 Resp: 160195

Ion	Ratio	Lower	Upper
284	100		
142	30.1	23.9	35.9
249	30.0	24.5	36.7



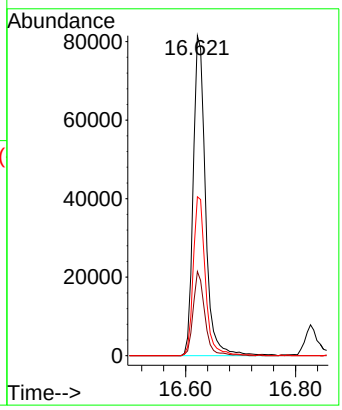


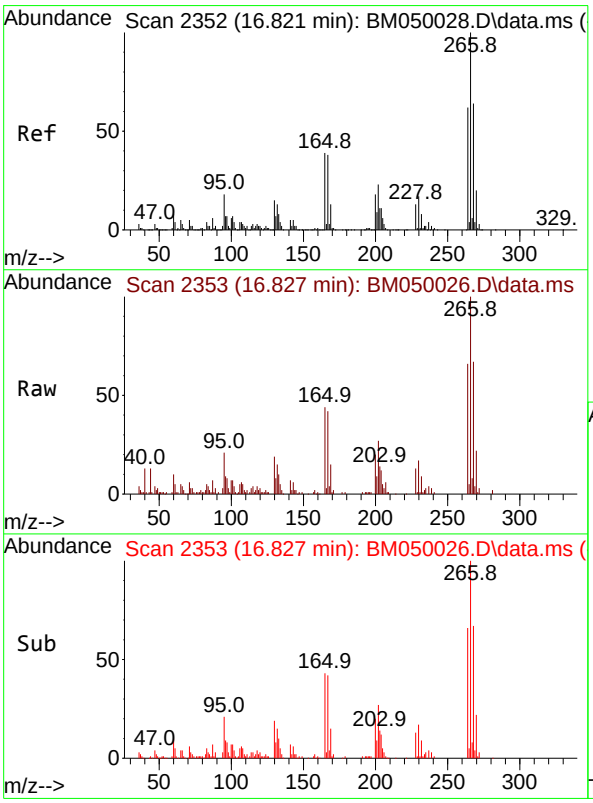
#69
Atrazine
Concen: 8.937 ng
RT: 16.621 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:200 Resp: 126168

Ion	Ratio	Lower	Upper
200	100		
173	26.3	4.3	44.3
215	49.6	30.6	70.6

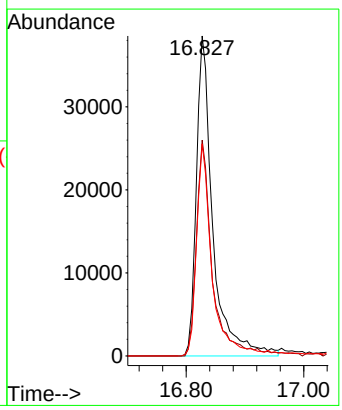


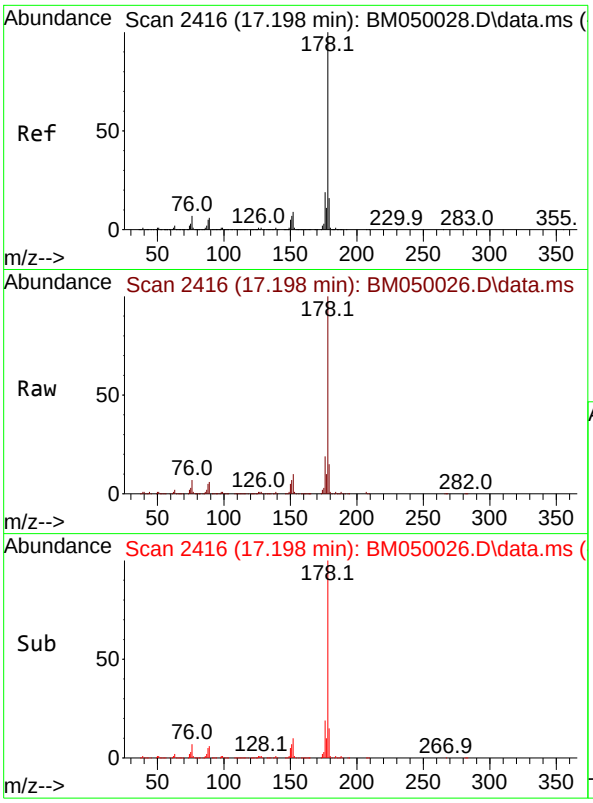


#70
Pentachlorophenol
Concen: 7.483 ng
RT: 16.827 min Scan# 2353
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:266 Resp: 74839

Ion	Ratio	Lower	Upper
266	100		
268	67.5	51.2	76.8
264	66.3	49.6	74.4



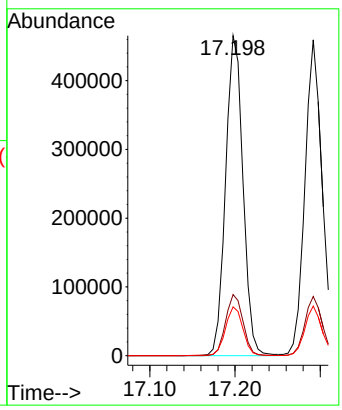


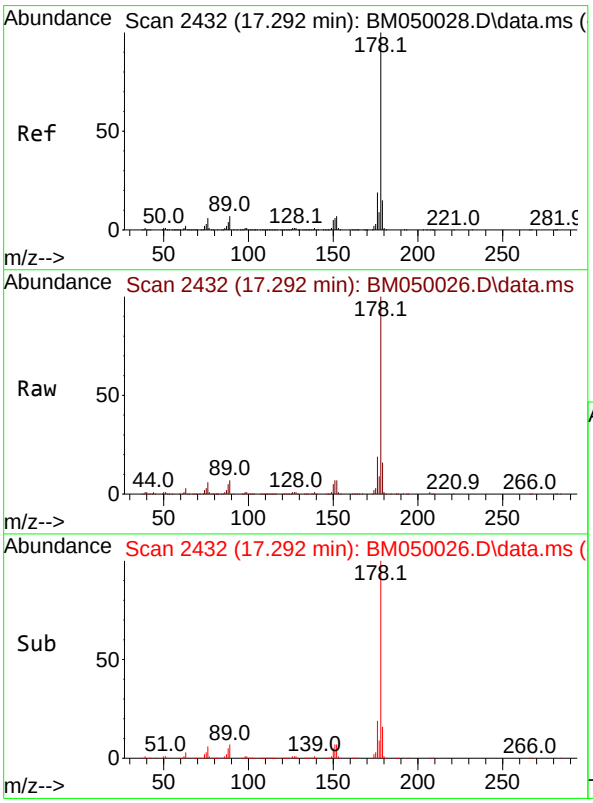
#71
Phenanthrene
Concen: 9.172 ng
RT: 17.198 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 659374

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.3	12.4	18.6

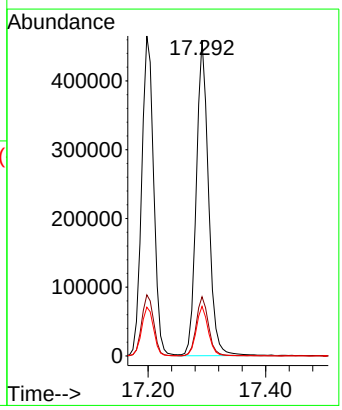


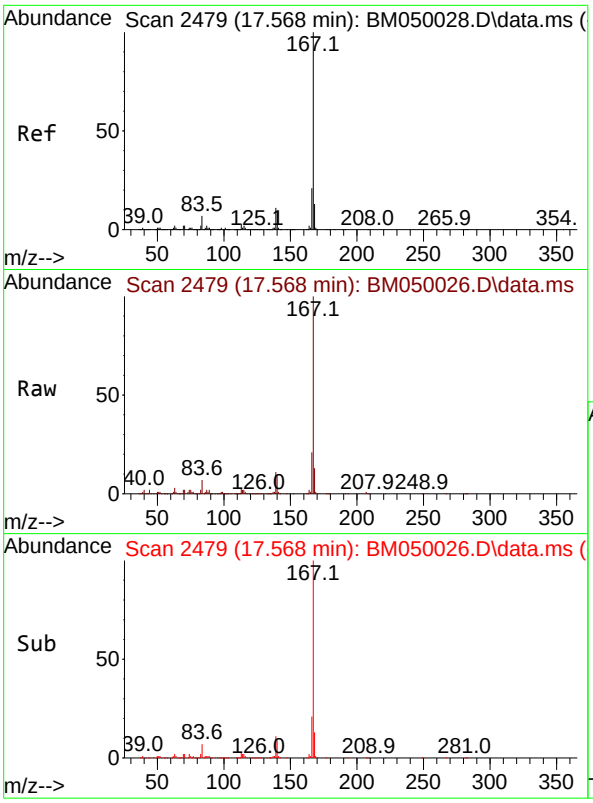


#72
Anthracene
Concen: 9.089 ng
RT: 17.292 min Scan# 2432
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:178 Resp: 661260

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	15.7	12.2	18.4



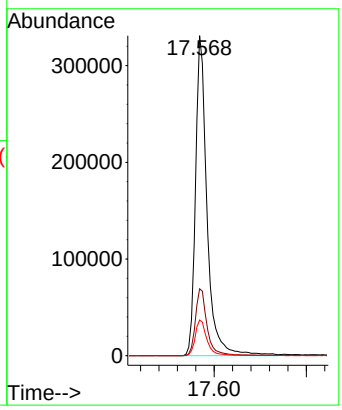


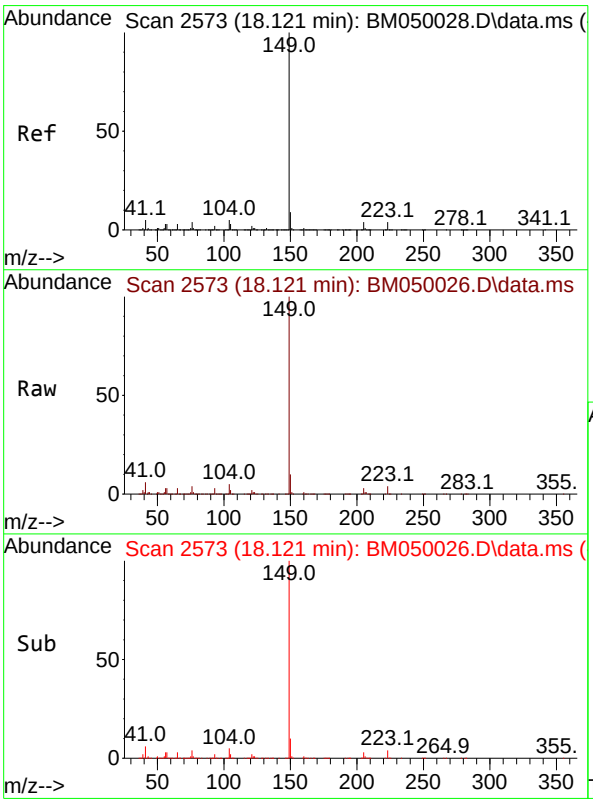
#73
Carbazole
Concen: 9.087 ng
RT: 17.568 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:167 Resp: 573667

Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.2	25.8
139	11.2	9.0	13.6

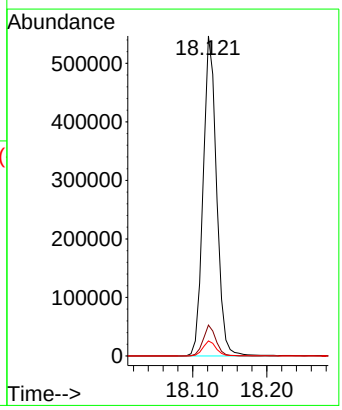


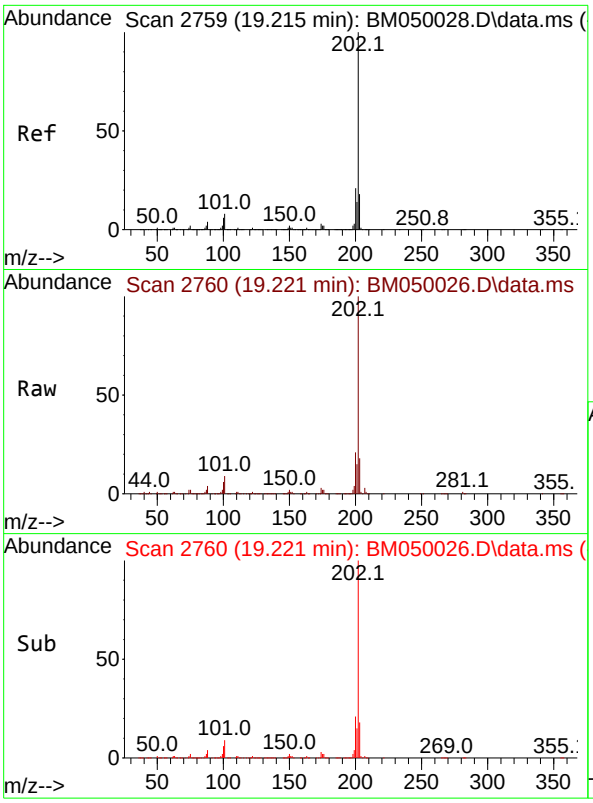


#74
Di-n-butylphthalate
Concen: 9.168 ng
RT: 18.121 min Scan# 2573
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:149 Resp: 689248

Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.3	10.9
104	4.7	3.8	5.6



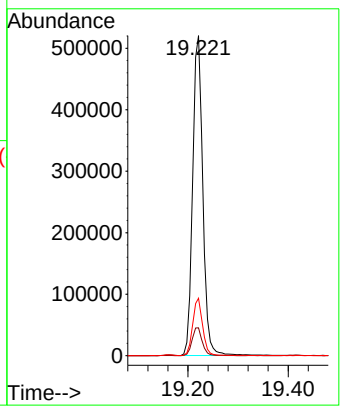


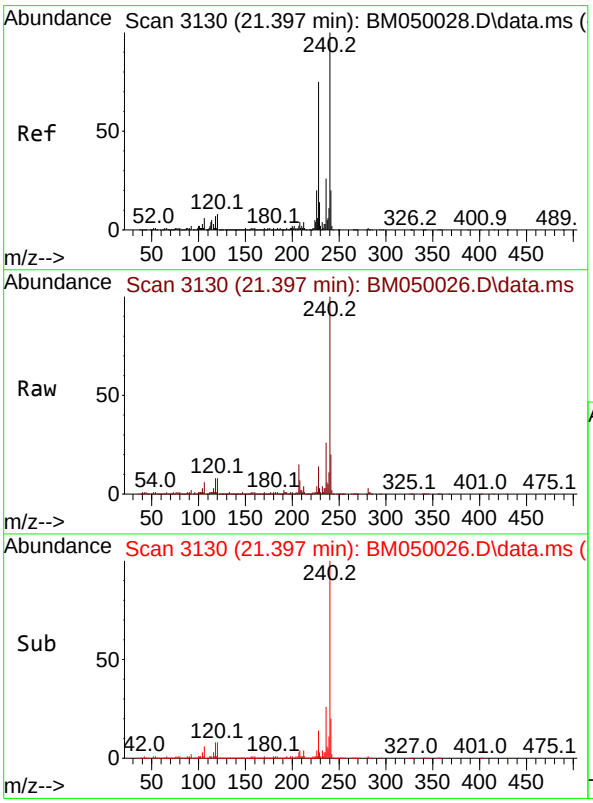
#75
Fluoranthene
Concen: 8.621 ng
RT: 19.221 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:202 Resp: 727607

Ion	Ratio	Lower	Upper
202	100		
101	8.7	0.0	28.0
203	18.0	0.0	37.7

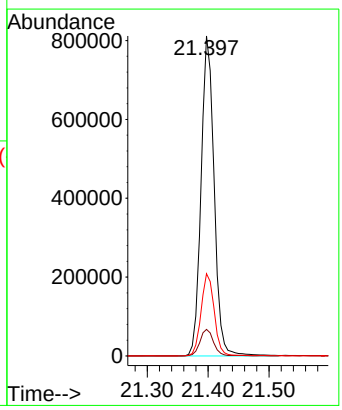


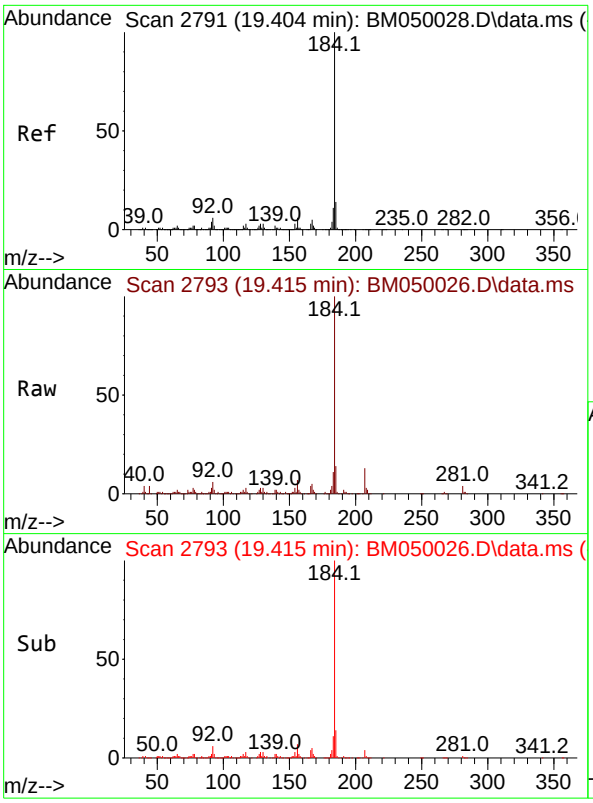


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3130
Delta R.T. 0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:240 Resp: 1213581

Ion	Ratio	Lower	Upper
240	100		
120	8.3	6.5	9.7
236	25.7	20.9	31.3



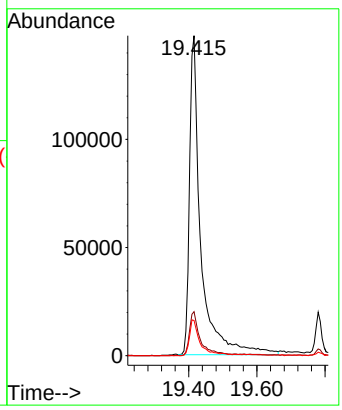


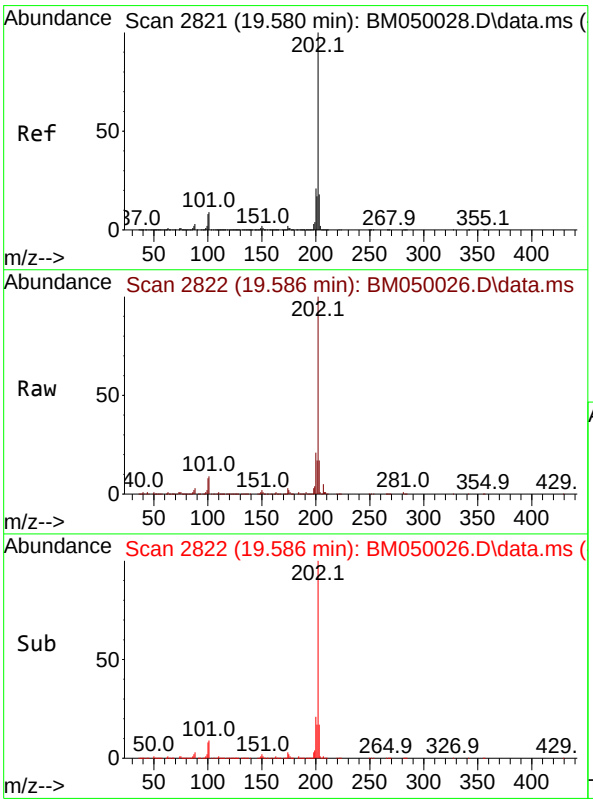
#77
Benzidine
Concen: 7.887 ng
RT: 19.415 min Scan# 2
Delta R.T. 0.011 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:184 Resp: 339970

Ion	Ratio	Lower	Upper
184	100		
185	13.7	11.5	17.3
183	11.0	8.9	13.3

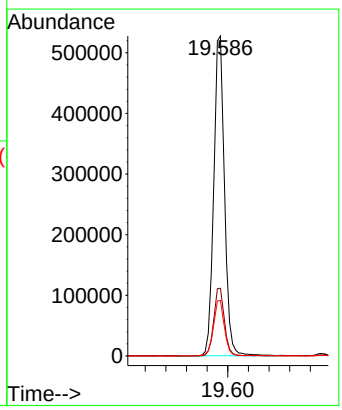


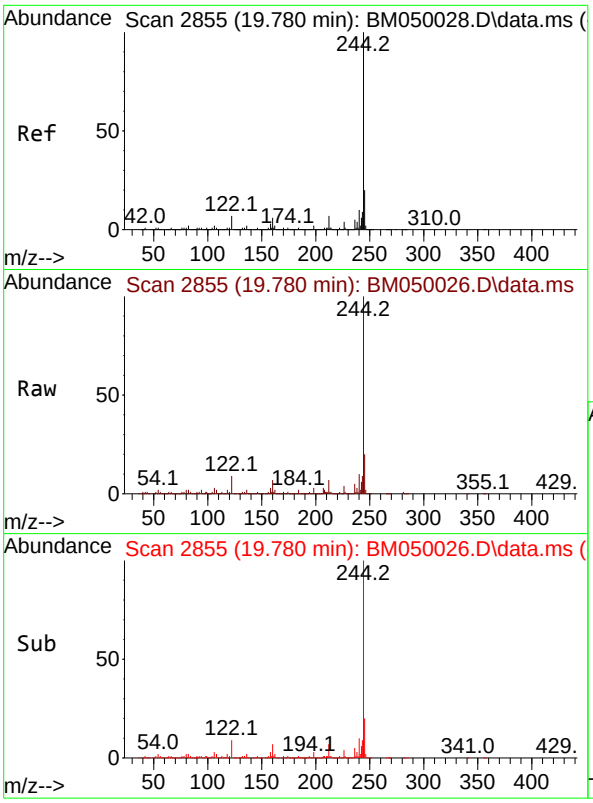


#78
Pyrene
Concen: 8.937 ng
RT: 19.586 min Scan# 2822
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:202 Resp: 761625

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.7	25.1
203	17.3	14.1	21.1



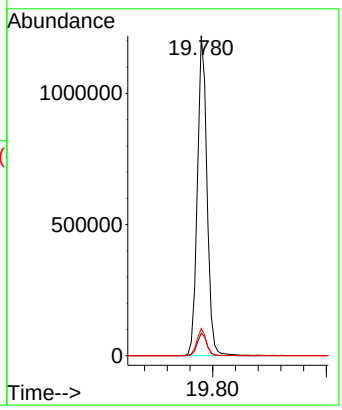


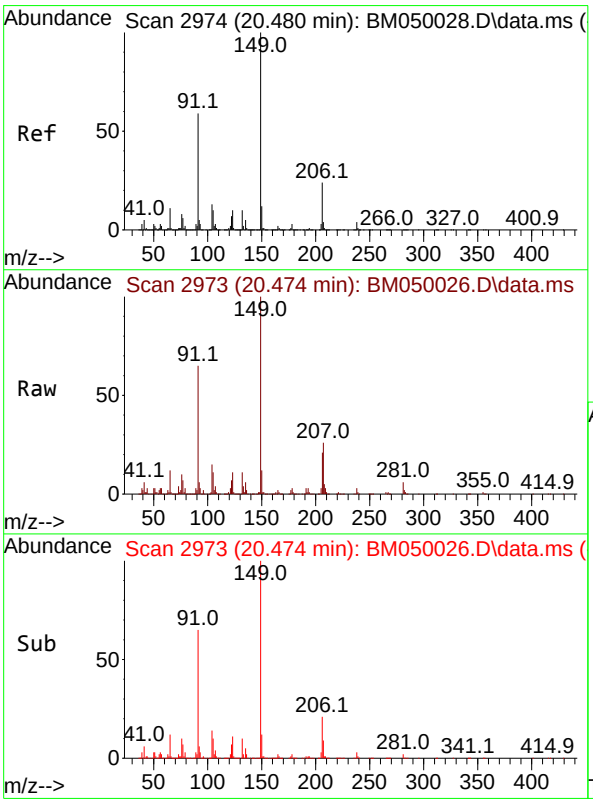
#79
Terphenyl-d14
Concen: 17.601 ng
RT: 19.780 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:244 Resp: 1443528

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	8.5	5.6	8.4#

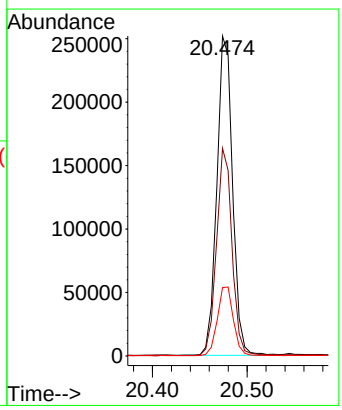


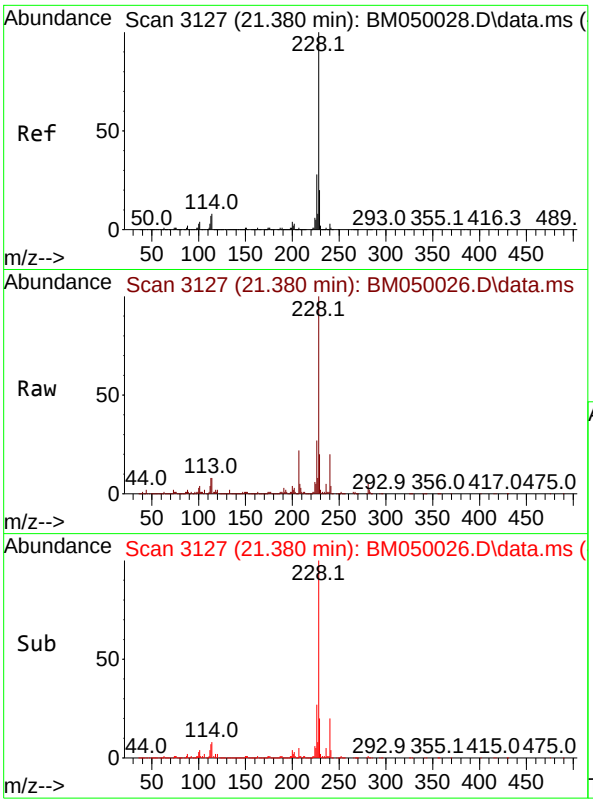


#80
Butylbenzylphthalate
Concen: 9.105 ng
RT: 20.474 min Scan# 2973
Delta R.T. -0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:149 Resp: 290617

Ion	Ratio	Lower	Upper
149	100		
91	64.9	47.4	71.2
206	21.3	19.4	29.0



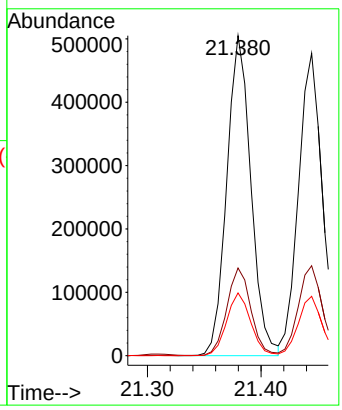


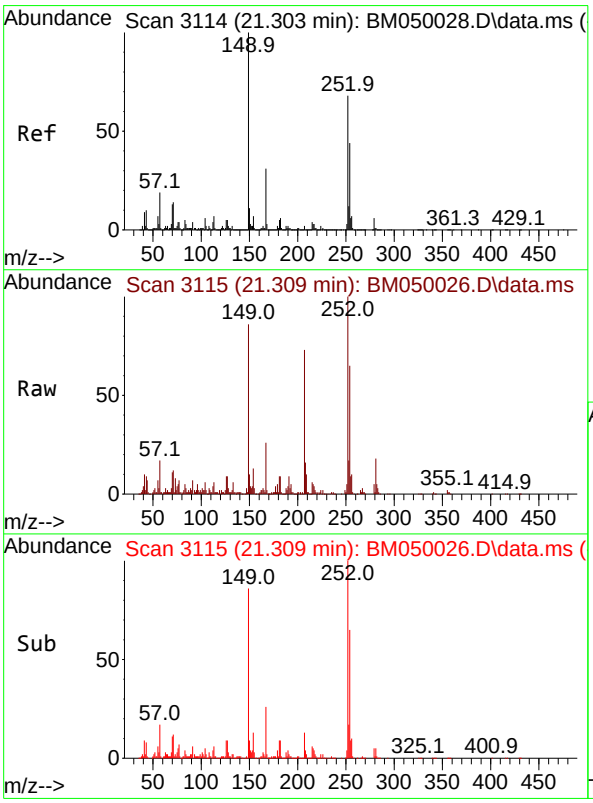
#81
Benzo(a)anthracene
Concen: 8.940 ng
RT: 21.380 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 747128

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.1	33.1
229	19.6	15.7	23.5

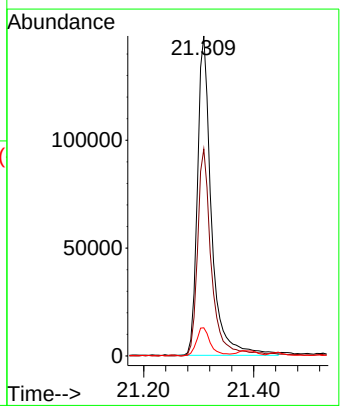


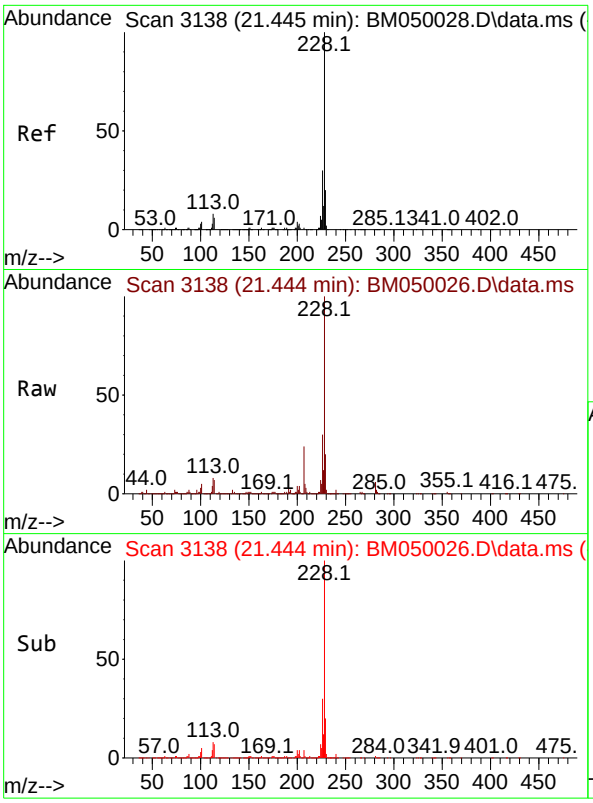


#82
3,3'-Dichlorobenzidine
Concen: 8.190 ng
RT: 21.309 min Scan# 3115
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:252 Resp: 262017

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.8	77.6
126	8.8	6.0	9.0



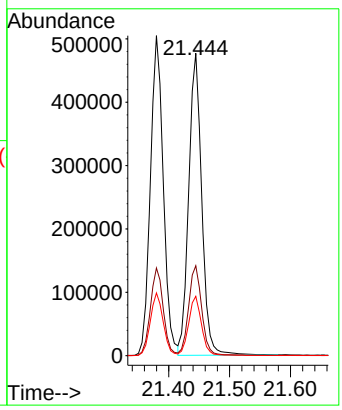


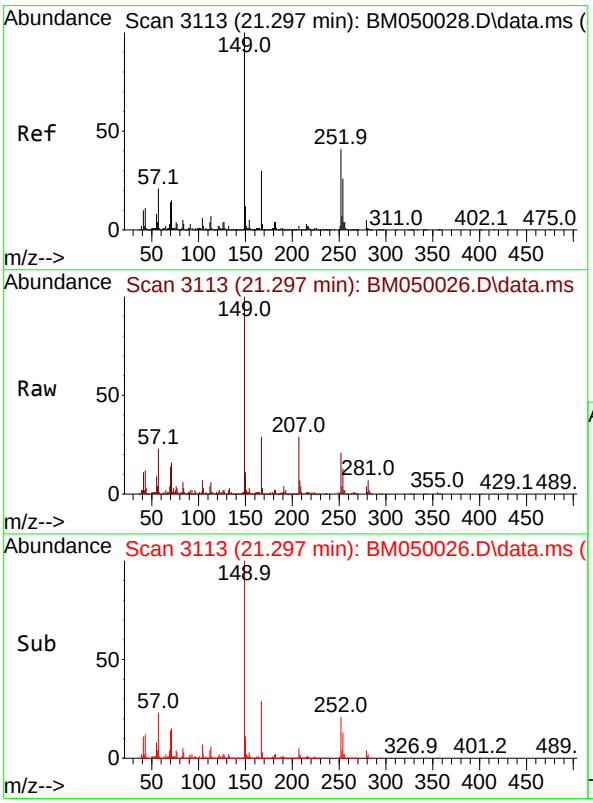
#83
Chrysene
Concen: 9.178 ng
RT: 21.444 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 709862

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.2	36.2
229	19.6	15.7	23.5

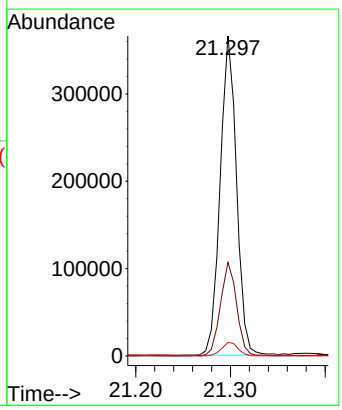


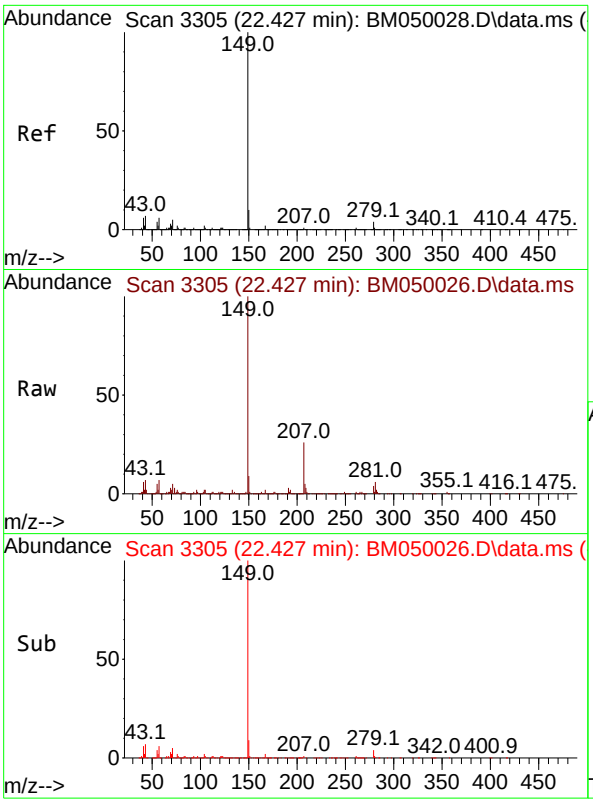


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.228 ng
RT: 21.297 min Scan# 3113
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:149 Resp: 439949

Ion	Ratio	Lower	Upper
149	100		
167	29.3	24.1	36.1
279	4.2	3.9	5.9



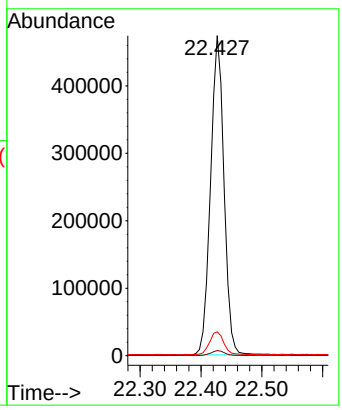


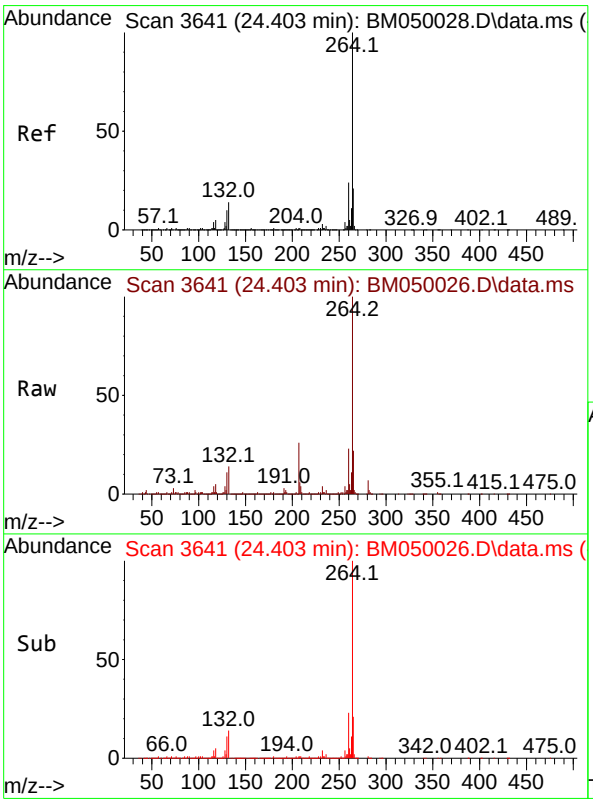
#85
Di-n-octyl phthalate
Concen: 9.236 ng
RT: 22.427 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:149 Resp: 726208

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.7	5.8	8.8

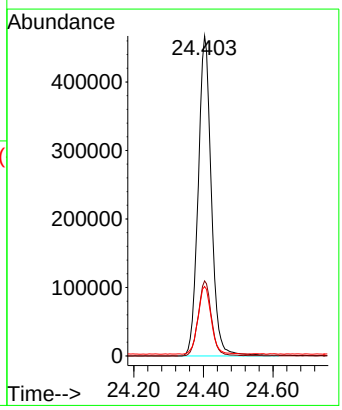


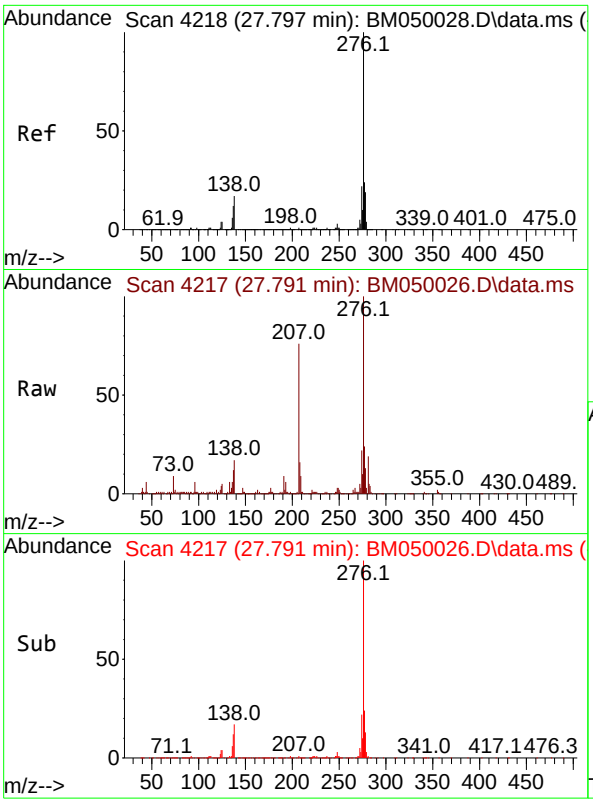


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3641
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:264 Resp: 1224339

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.8	28.2
265	21.7	17.0	25.4



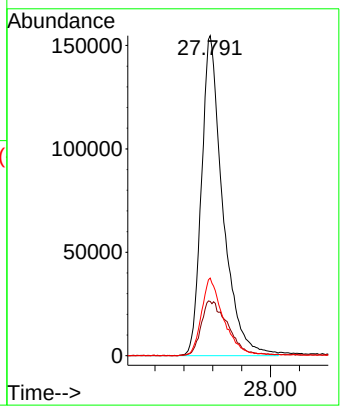


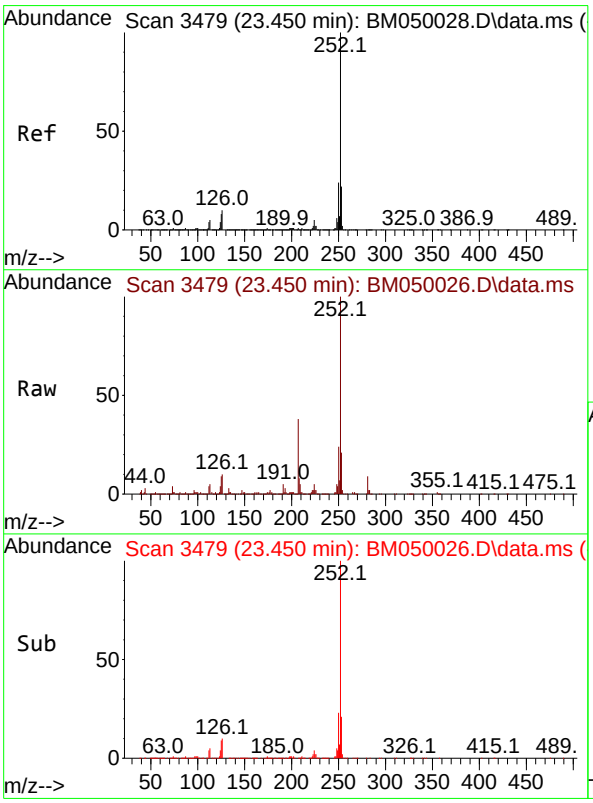
#87
Indeno(1,2,3-cd)pyrene
Concen: 8.674 ng
RT: 27.791 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:276 Resp: 791344

Ion	Ratio	Lower	Upper
276	100		
138	21.4	16.4	24.6
277	25.3	19.8	29.8

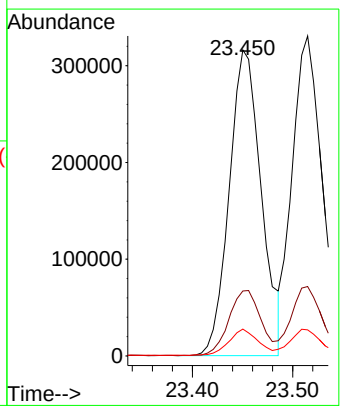


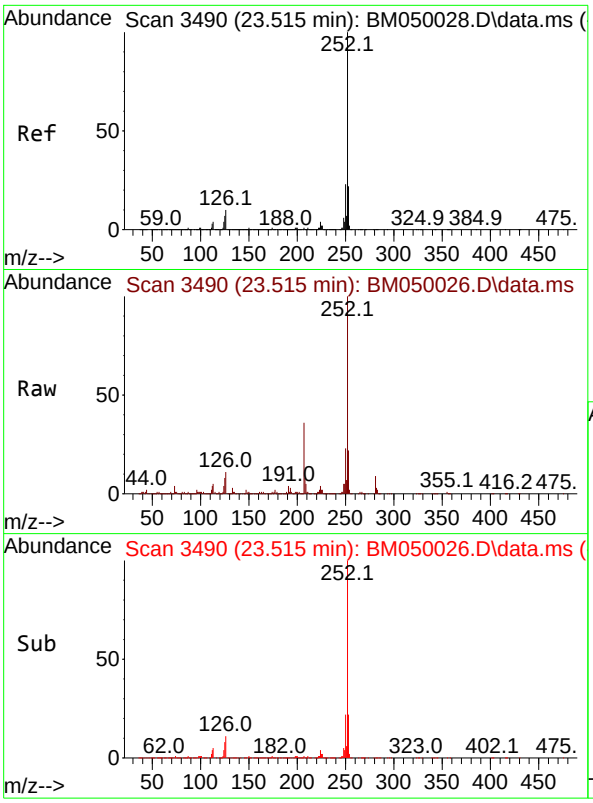


#88
Benzo(b)fluoranthene
Concen: 8.831 ng
RT: 23.450 min Scan# 3479
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:252 Resp: 703118

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.7	26.5
125	8.8	6.1	9.1



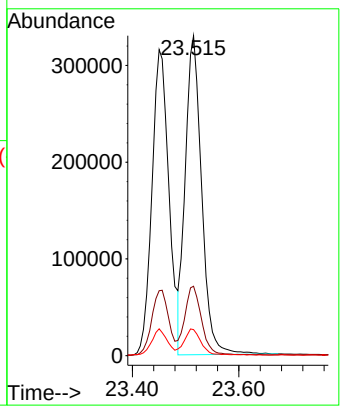


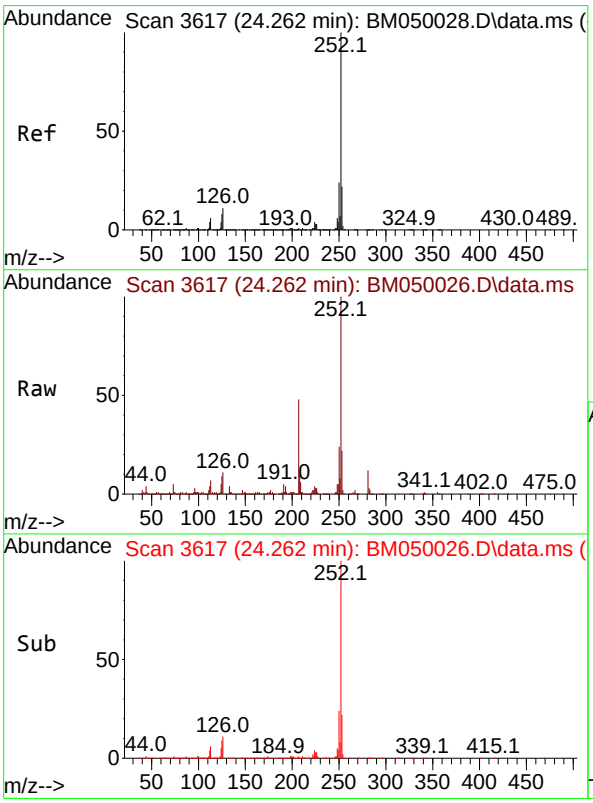
#89
Benzo(k)fluoranthene
Concen: 8.741 ng
RT: 23.515 min Scan# 34
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:252 Resp: 704142

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	8.2	5.8	8.8

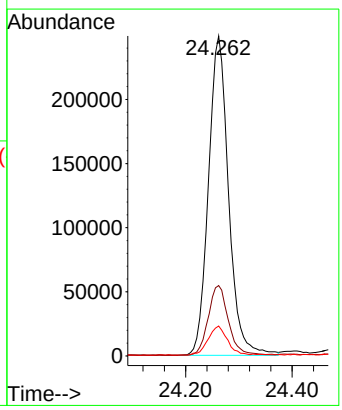


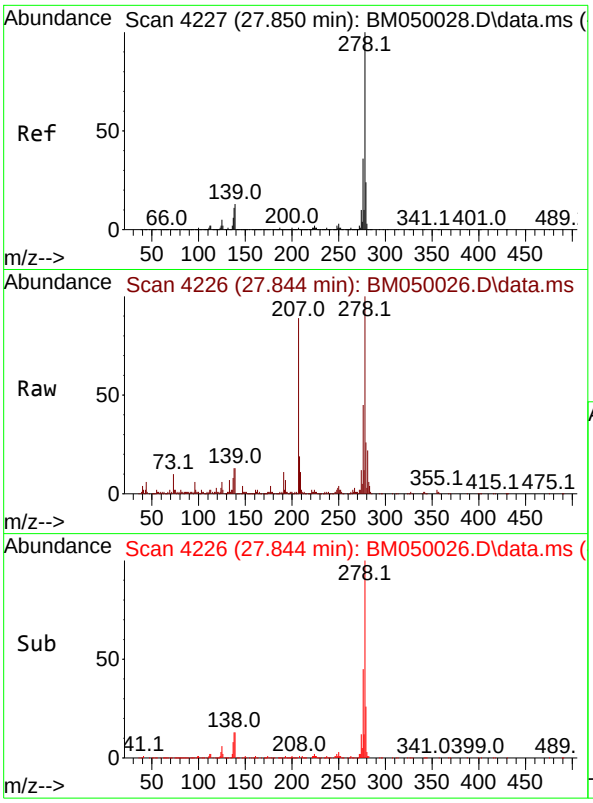


#90
Benzo(a)pyrene
Concen: 8.751 ng
RT: 24.262 min Scan# 3617
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:252 Resp: 652617

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	9.4	6.6	9.8



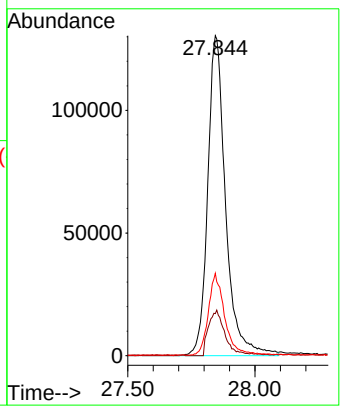


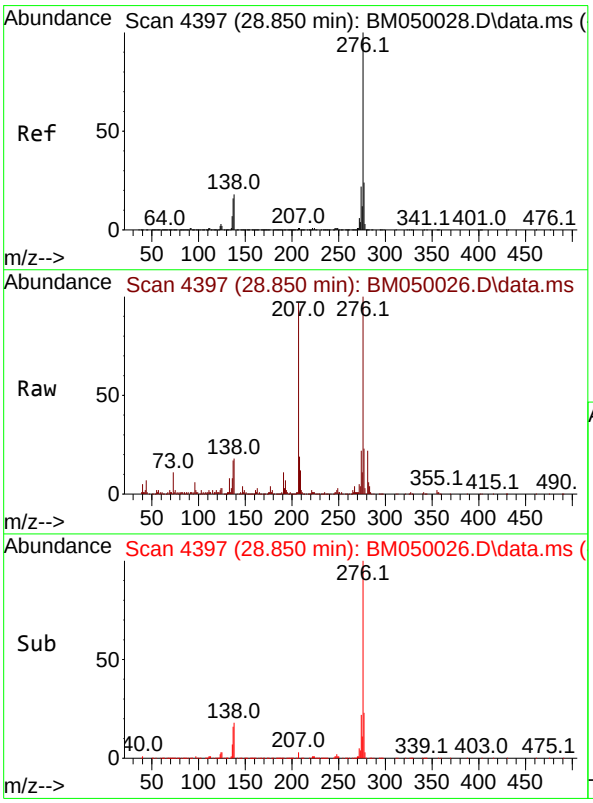
#91
Dibenzo(a,h)anthracene
Concen: 8.591 ng
RT: 27.844 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 638913

Ion	Ratio	Lower	Upper
278	100		
139	13.2	10.5	15.7
279	25.8	19.4	29.0

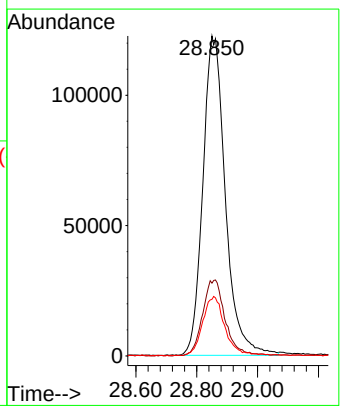




#92
Benzo(g,h,i)perylene
Concen: 8.852 ng
RT: 28.850 min Scan# 4397
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:276 Resp: 630261

Ion	Ratio	Lower	Upper
276	100		
277	22.8	19.1	28.7
138	17.7	14.3	21.5



Quantitation Report (Not Reviewed)

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Data File : BM050027.D
Acq On : 28 Apr 2025 14:27
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Quant Time: Apr 28 17:55:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.769	152	242715	20.000	ng		0.00
21) Naphthalene-d8	10.563	136	896366	20.000	ng		0.00
39) Acenaphthene-d10	14.410	164	614688	20.000	ng		0.00
64) Phenanthrene-d10	17.157	188	1244440	20.000	ng		0.00
76) Chrysene-d12	21.398	240	1204355	20.000	ng		0.00
86) Perylene-d12	24.403	264	1191041	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.357	112	537488	38.777	ng		0.00
7) Phenol-d6	6.951	99	678404	38.941	ng		0.00
23) Nitrobenzene-d5	8.928	82	712171	39.151	ng		0.00
42) 2,4,6-Tribromophenol	15.904	330	345020	37.960	ng		0.00
45) 2-Fluorobiphenyl	13.027	172	2005788	38.602	ng		0.00
79) Terphenyl-d14	19.780	244	3208242	39.418	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.258	88	115944	19.509	ng		99
3) Pyridine	3.658	79	298256	19.532	ng		98
4) n-Nitrosodimethylamine	3.569	42	115296	19.251	ng	#	100
6) Aniline	7.098	93	429222	19.511	ng		99
8) 2-Chlorophenol	7.340	128	290876	19.409	ng		99
9) Benzaldehyde	6.910	77	235594	20.233	ng		98
10) Phenol	6.981	94	344567	19.537	ng		98
11) bis(2-Chloroethyl)ether	7.193	93	285330	19.375	ng		99
12) 1,3-Dichlorobenzene	7.657	146	352660	19.480	ng		99
13) 1,4-Dichlorobenzene	7.804	146	354975	19.518	ng		99
14) 1,2-Dichlorobenzene	8.122	146	345385	19.660	ng		99
15) Benzyl Alcohol	8.016	79	234541	19.413	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.293	45	350829	19.598	ng		98
17) 2-Methylphenol	8.228	107	225978	19.450	ng		99
18) Hexachloroethane	8.845	117	126530	19.571	ng		99
19) n-Nitroso-di-n-propyla...	8.575	70	223538	20.006	ng		99
20) 3+4-Methylphenols	8.557	107	307585	19.604	ng		97
22) Acetophenone	8.592	105	434539	19.499	ng		98
24) Nitrobenzene	8.969	77	309341	19.667	ng		99
25) Isophorone	9.498	82	609252	19.648	ng		99
26) 2-Nitrophenol	9.681	139	154364	19.211	ng		97
27) 2,4-Dimethylphenol	9.751	122	259319	19.460	ng		99
28) bis(2-Chloroethoxy)met...	9.975	93	378162	19.732	ng		100
29) 2,4-Dichlorophenol	10.234	162	292336	19.582	ng		99
30) 1,2,4-Trichlorobenzene	10.428	180	352792	19.397	ng		98
31) Naphthalene	10.610	128	890530	19.618	ng		99
32) Benzoic acid	9.881	122	129541	15.242	ng		96
33) 4-Chloroaniline	10.734	127	362366	19.475	ng		99
34) Hexachlorobutadiene	10.898	225	223143	19.327	ng		99
35) Caprolactam	11.516	113	84917	19.509	ng		93
36) 4-Chloro-3-methylphenol	11.875	107	270510	19.613	ng		99
37) 2-Methylnaphthalene	12.228	142	593403	19.498	ng		99
38) 1-Methylnaphthalene	12.445	142	634293	19.694	ng		99
40) 1,2,4,5-Tetrachloroben...	12.604	216	402355	18.909	ng		99
41) Hexachlorocyclopentadiene	12.575	237	222254	17.091	ng		100
43) 2,4,6-Trichlorophenol	12.851	196	260161	19.276	ng		96

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050027.D
Acq On : 28 Apr 2025 14:27
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Quant Time: Apr 28 17:55:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.939	196	278307	19.123	ng	98
46) 1,1'-Biphenyl	13.239	154	892394	19.530	ng	99
47) 2-Chloronaphthalene	13.286	162	709815	19.614	ng	100
48) 2-Nitroaniline	13.498	65	165324	19.465	ng	99
49) Acenaphthylene	14.133	152	1112766	19.502	ng	99
50) Dimethylphthalate	13.869	163	883120	19.659	ng	99
51) 2,6-Dinitrotoluene	13.986	165	183493	19.729	ng	99
52) Acenaphthene	14.474	154	643177	19.474	ng	99
53) 3-Nitroaniline	14.327	138	174626	19.666	ng	97
54) 2,4-Dinitrophenol	14.551	184	80991	18.373	ng	99
55) Dibenzofuran	14.810	168	1074975	19.562	ng	99
56) 4-Nitrophenol	14.686	139	110948	19.021	ng	96
57) 2,4-Dinitrotoluene	14.786	165	252994	19.685	ng	100
58) Fluorene	15.457	166	879470	19.553	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.051	232	244928	19.442	ng	99
60) Diethylphthalate	15.233	149	848021	20.034	ng	99
61) 4-Chlorophenyl-phenyle...	15.451	204	473276	19.157	ng	95
62) 4-Nitroaniline	15.492	138	170438	19.880	ng	95
63) Azobenzene	15.745	77	707026	19.930	ng	99
65) 4,6-Dinitro-2-methylph...	15.557	198	136910	17.576	ng	94
66) n-Nitrosodiphenylamine	15.669	169	741920	19.415	ng	99
67) 4-Bromophenyl-phenylether	16.345	248	285352	18.962	ng	98
68) Hexachlorobenzene	16.468	284	327912	18.903	ng	98
69) Atrazine	16.621	200	266068	19.303	ng	98
70) Pentachlorophenol	16.821	266	175794	18.004	ng	99
71) Phenanthrene	17.198	178	1348190	19.208	ng	100
72) Anthracene	17.292	178	1364462	19.210	ng	100
73) Carbazole	17.568	167	1194316	19.377	ng	99
74) Di-n-butylphthalate	18.121	149	1432688	19.519	ng	99
75) Fluoranthene	19.221	202	1555160	18.872	ng	99
77) Benzidine	19.409	184	777502	18.175	ng	99
78) Pyrene	19.580	202	1603874	18.964	ng	100
80) Butylbenzylphthalate	20.474	149	620751	19.597	ng	94
81) Benzo(a)anthracene	21.380	228	1591290	19.187	ng	100
82) 3,3'-Dichlorobenzidine	21.303	252	582038	18.333	ng	99
83) Chrysene	21.445	228	1461777	19.044	ng	99
84) Bis(2-ethylhexyl)phtha...	21.298	149	933505	19.730	ng	98
85) Di-n-octyl phthalate	22.427	149	1525599	19.552	ng	100
87) Indeno(1,2,3-cd)pyrene	27.791	276	1671967	18.840	ng	99
88) Benzo(b)fluoranthene	23.450	252	1439776	18.588	ng	99
89) Benzo(k)fluoranthene	23.515	252	1489410	19.005	ng	100
90) Benzo(a)pyrene	24.262	252	1365706	18.825	ng	99
91) Dibenzo(a,h)anthracene	27.838	278	1360269	18.803	ng	99
92) Benzo(g,h,i)perylene	28.850	276	1316513	19.008	ng	99

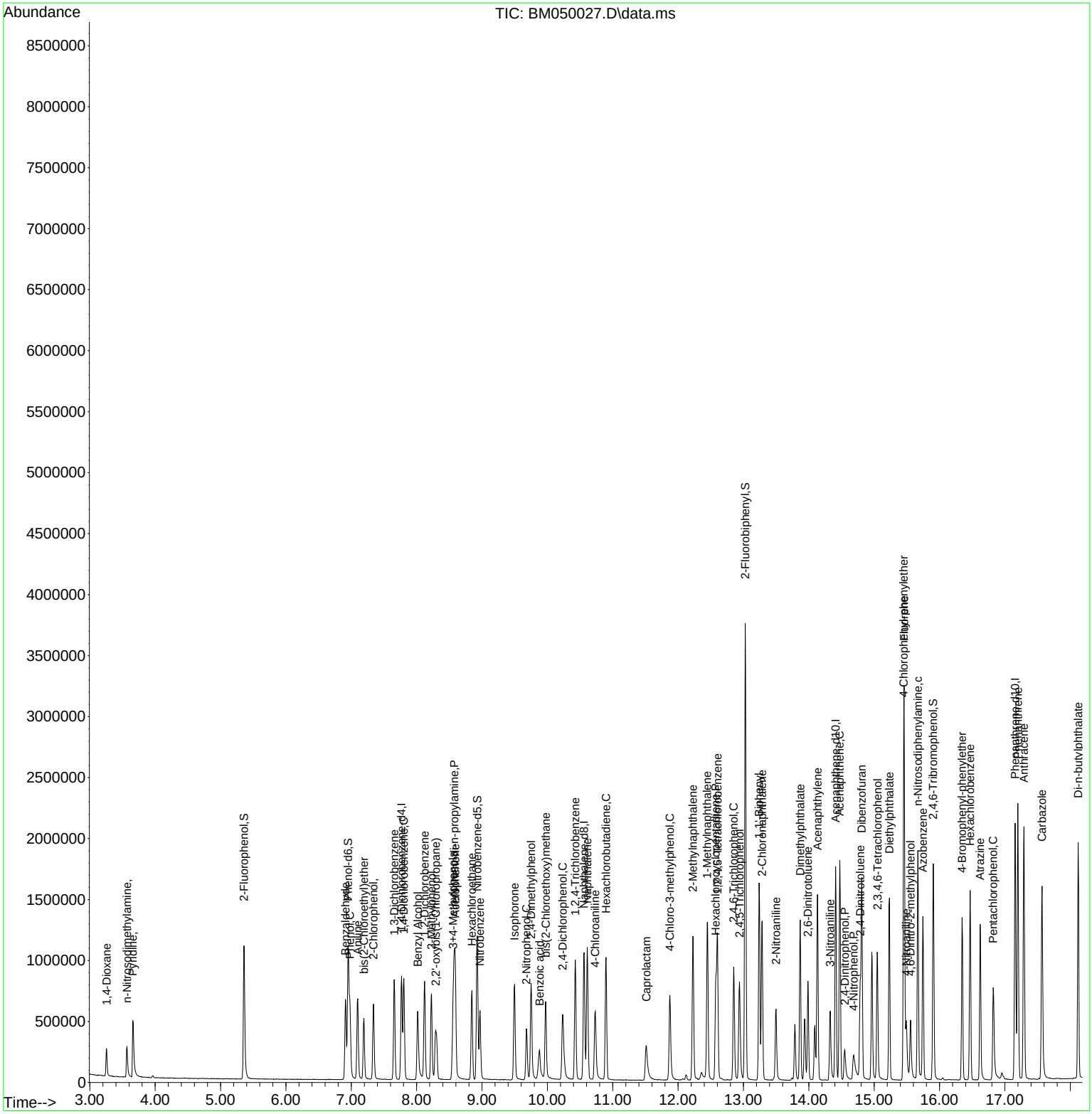
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050027.D
Acq On : 28 Apr 2025 14:27
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Quant Time: Apr 28 17:55:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050027.D
Acq On : 28 Apr 2025 14:27
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Sample : SSTDICC020
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Instrument :
BNA_M
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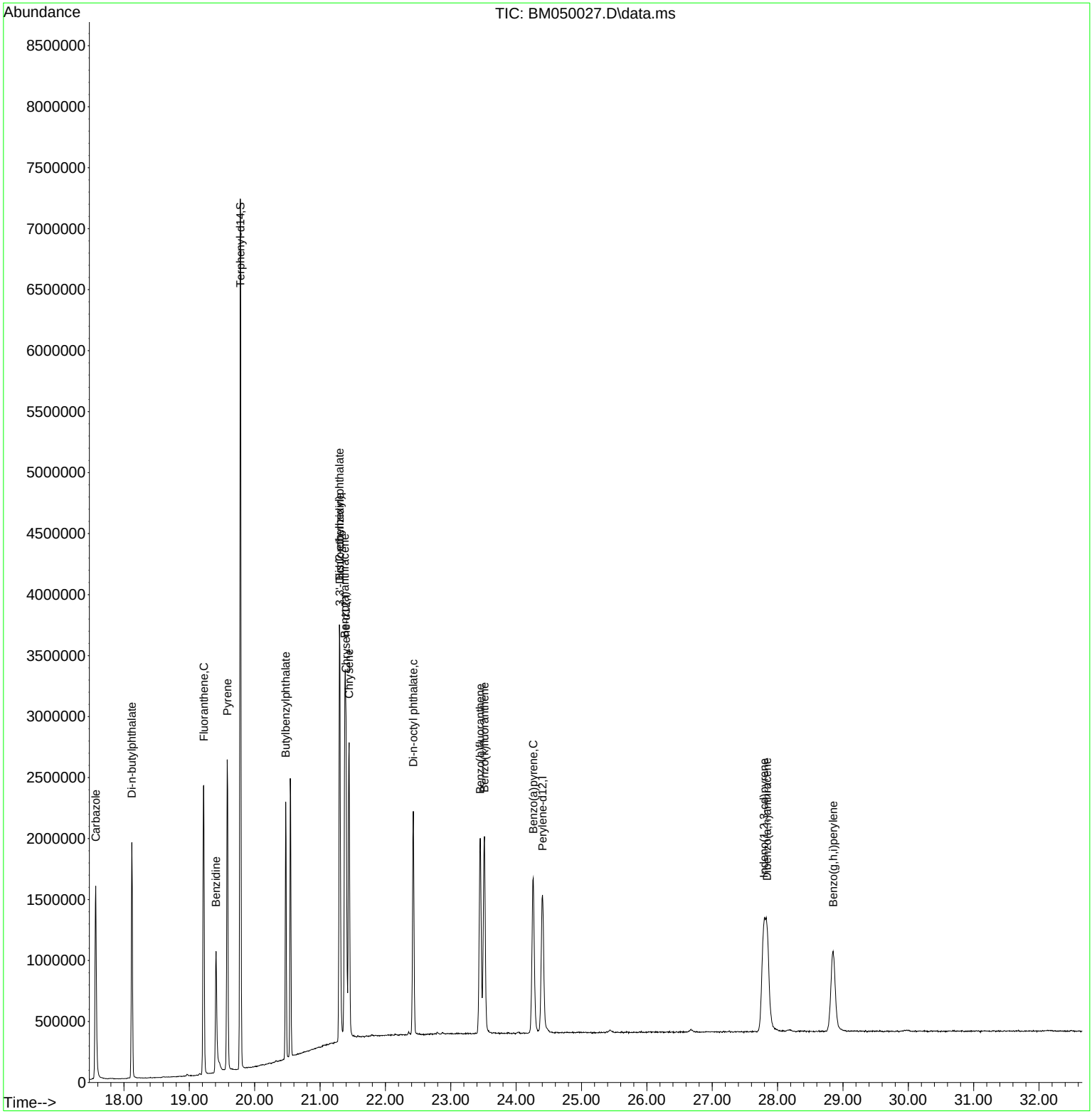
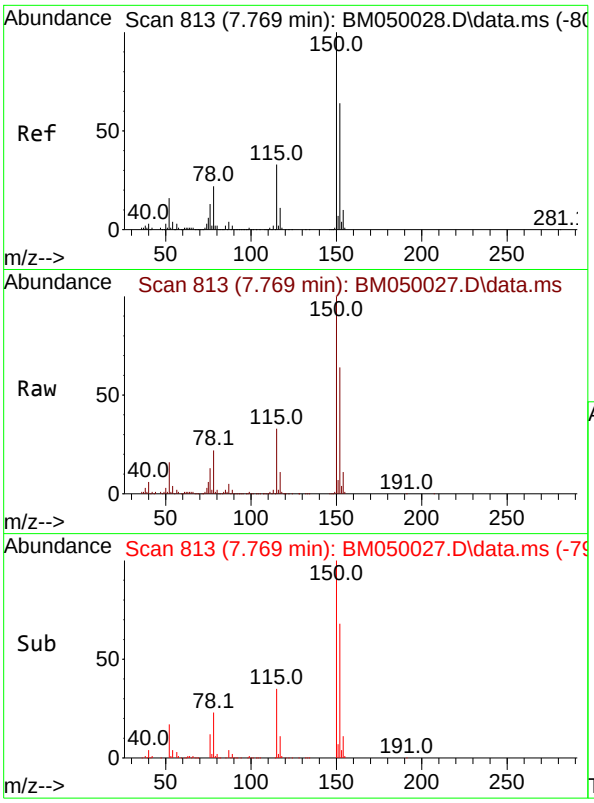
SSTDICC020

Quant Time: Apr 28 17:55:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration



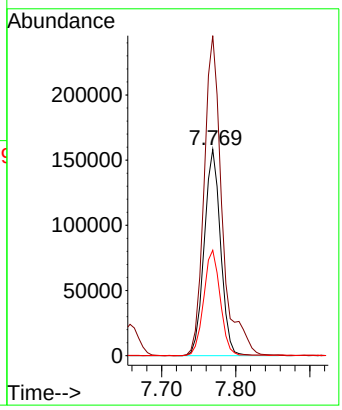


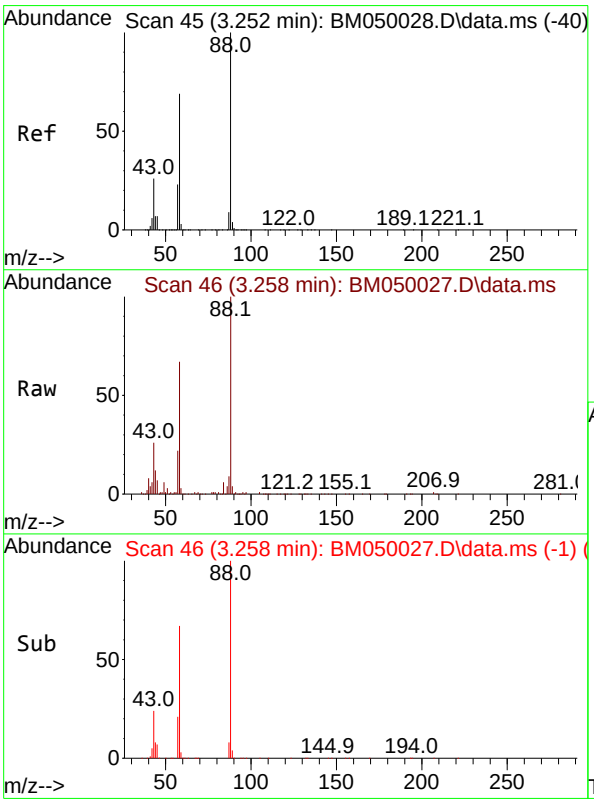
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 242715

Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.1	186.1
115	51.1	41.2	61.8

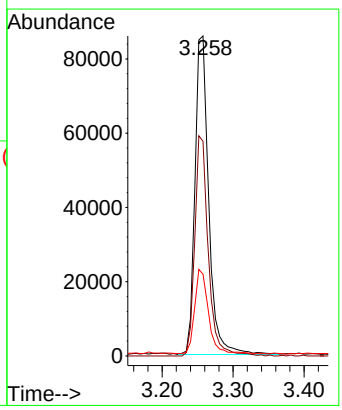


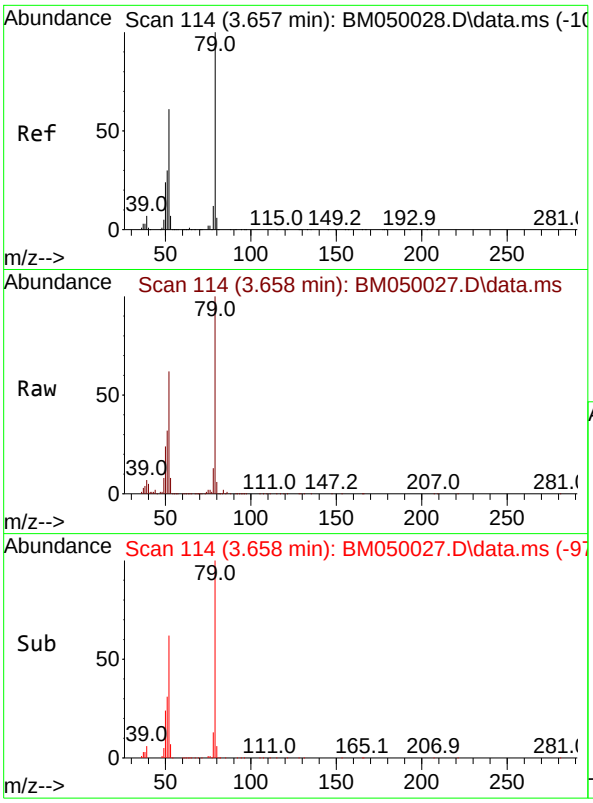


#2
1,4-Dioxane
Concen: 19.509 ng
RT: 3.258 min Scan# 46
Delta R.T. 0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 88 Resp: 115944

Ion	Ratio	Lower	Upper
88	100		
58	67.9	55.1	82.7
43	26.7	20.9	31.3



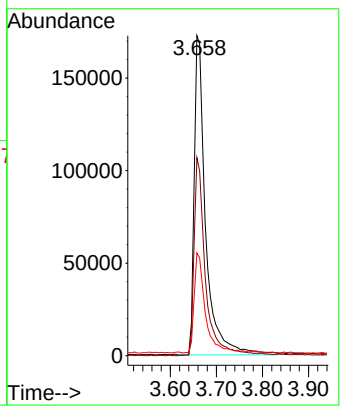


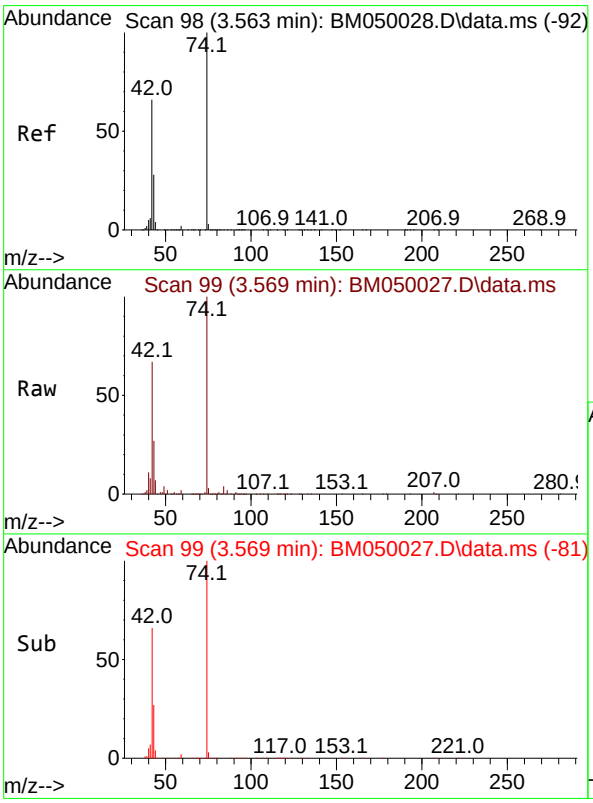
#3
Pyridine
Concen: 19.532 ng
RT: 3.658 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 298256

Ion	Ratio	Lower	Upper
79	100		
52	61.8	48.6	72.8
51	32.1	24.6	37.0

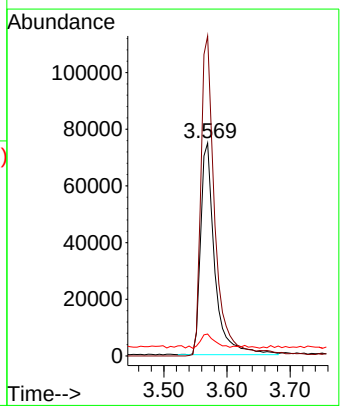


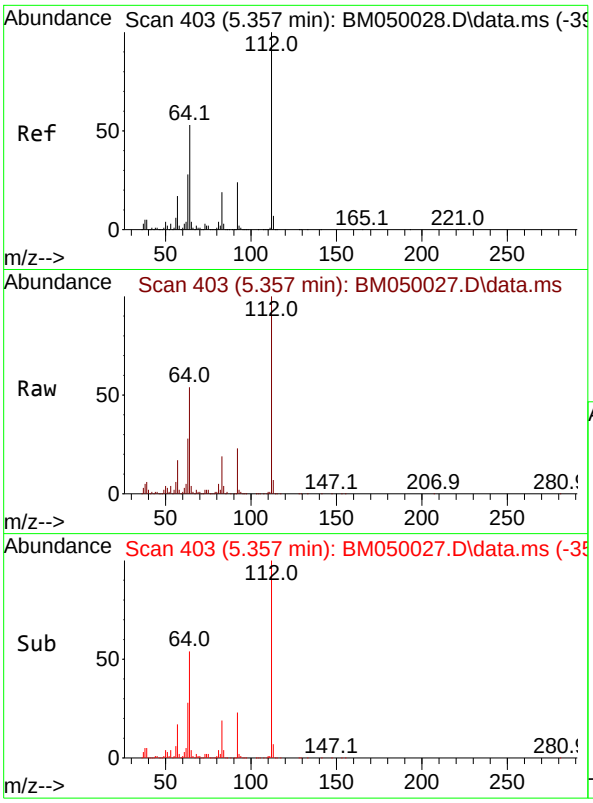


#4
n-Nitrosodimethylamine
Concen: 19.251 ng
RT: 3.569 min Scan# 99
Delta R.T. 0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 42 Resp: 115296

Ion	Ratio	Lower	Upper
42	100		
74	150.3	120.2	180.2
44	10.3	6.2	9.2#



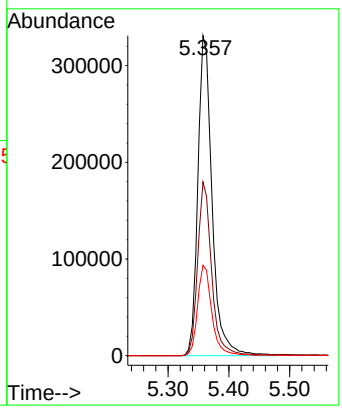


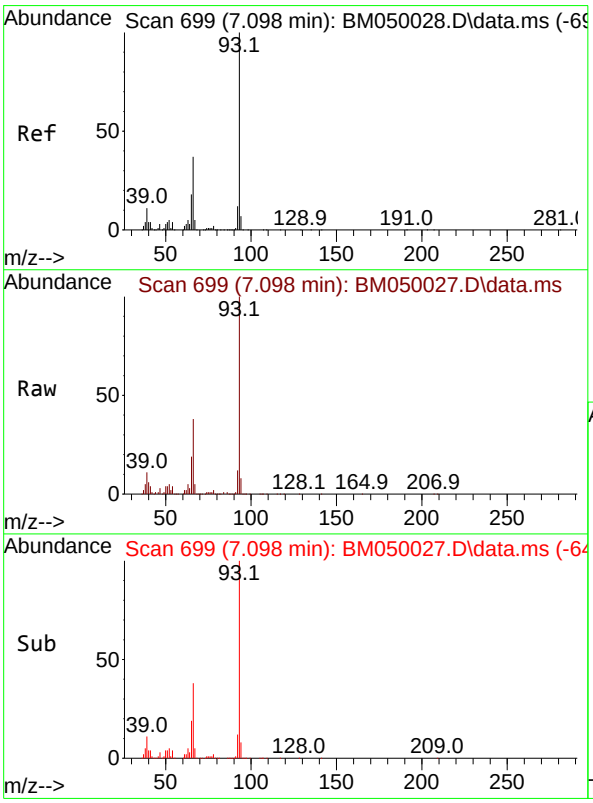
#5
2-Fluorophenol
Concen: 38.777 ng
RT: 5.357 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 537488

Ion	Ratio	Lower	Upper
112	100		
64	54.3	42.6	64.0
63	28.2	22.2	33.4

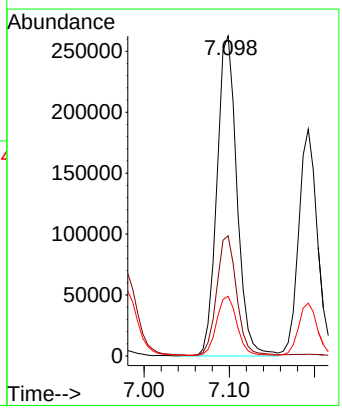


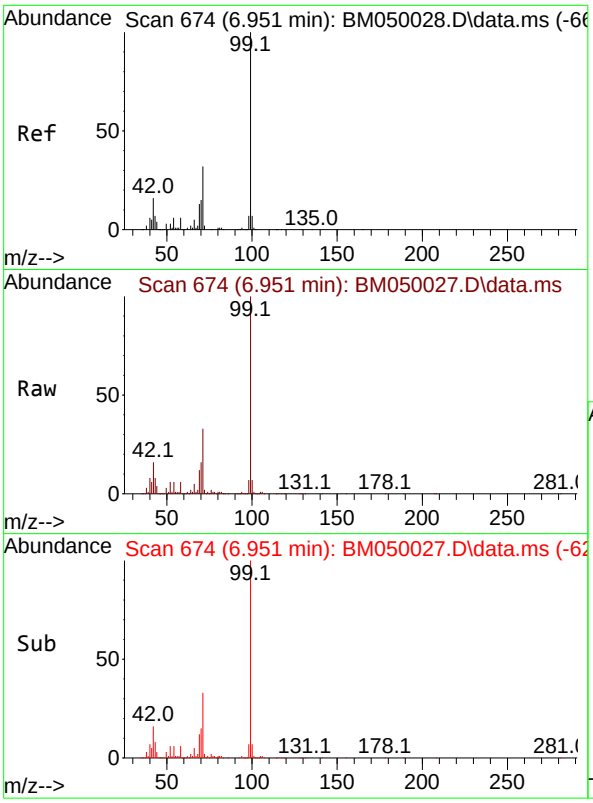


#6
Aniline
Concen: 19.511 ng
RT: 7.098 min Scan# 699
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 93 Resp: 429222

Ion	Ratio	Lower	Upper
93	100		
66	37.5	29.9	44.9
65	18.7	14.5	21.7



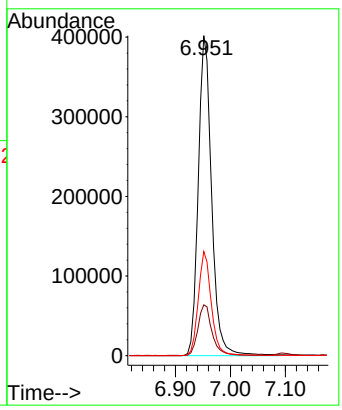


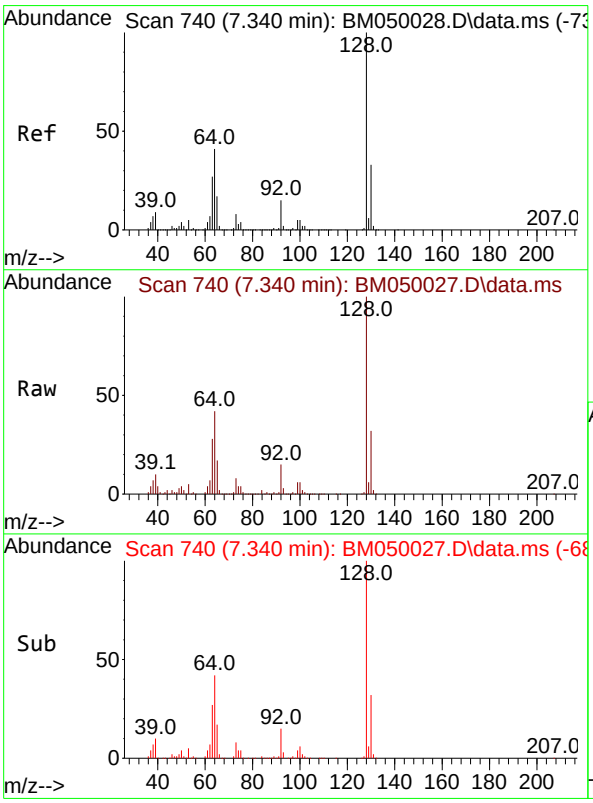
#7
Phenol-d6
Concen: 38.941 ng
RT: 6.951 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 678404

Ion	Ratio	Lower	Upper
99	100		
42	15.9	13.0	19.4
71	32.6	25.6	38.4

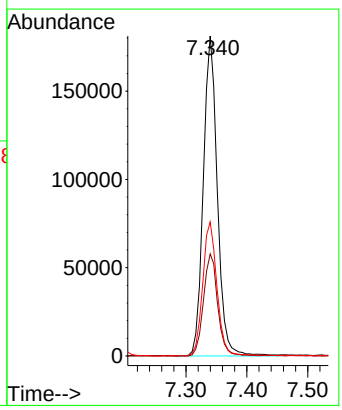


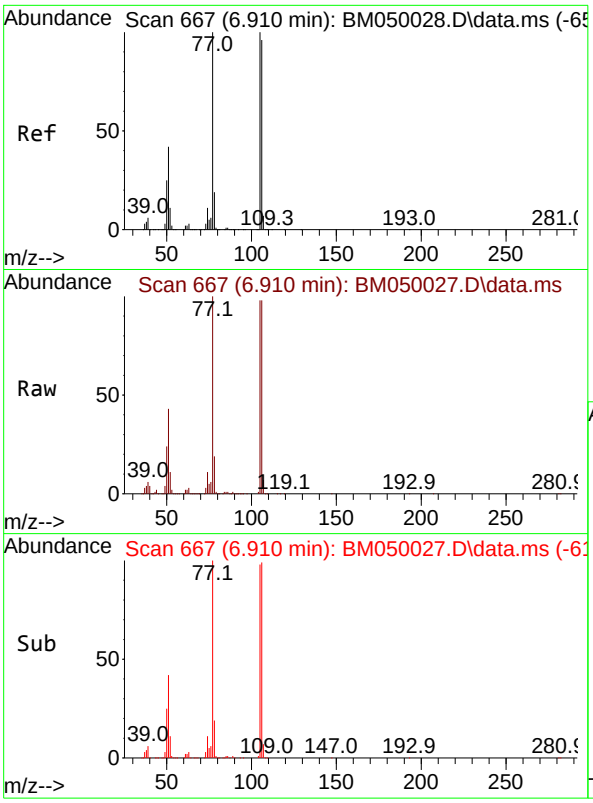


#8
2-Chlorophenol
Concen: 19.409 ng
RT: 7.340 min Scan# 740
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:128 Resp: 290876

Ion	Ratio	Lower	Upper
128	100		
130	31.9	12.8	52.8
64	41.9	21.2	61.2



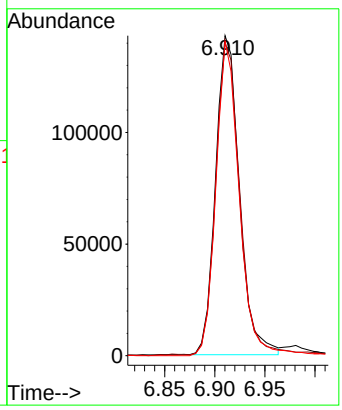


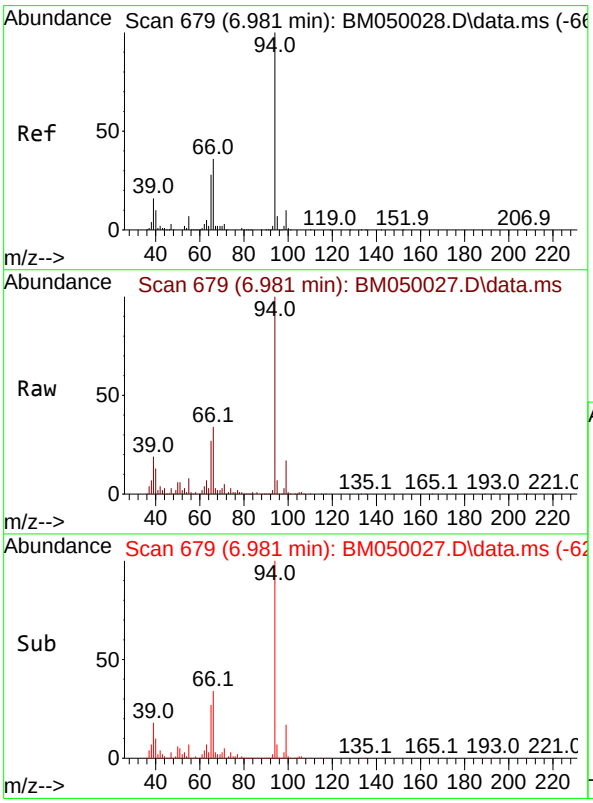
#9
Benzaldehyde
Concen: 20.233 ng
RT: 6.910 min Scan# 6(
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 235594

Ion	Ratio	Lower	Upper
77	100		
105	97.9	80.5	120.5
106	98.3	76.1	116.1

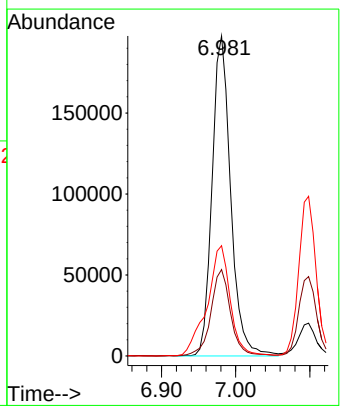


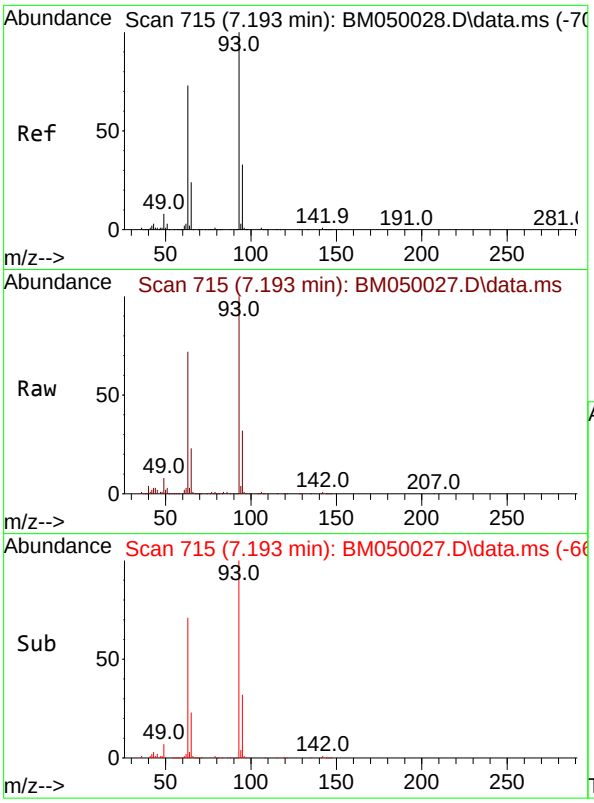


#10
Phenol
Concen: 19.537 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 94 Resp: 344567

Ion	Ratio	Lower	Upper
94	100		
65	27.0	7.6	47.6
66	34.4	15.8	55.8



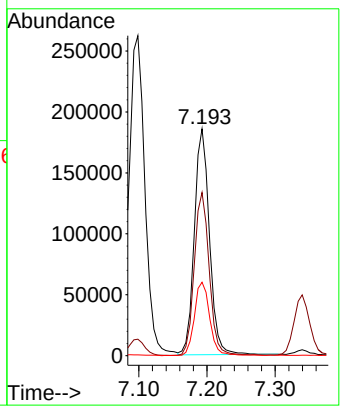


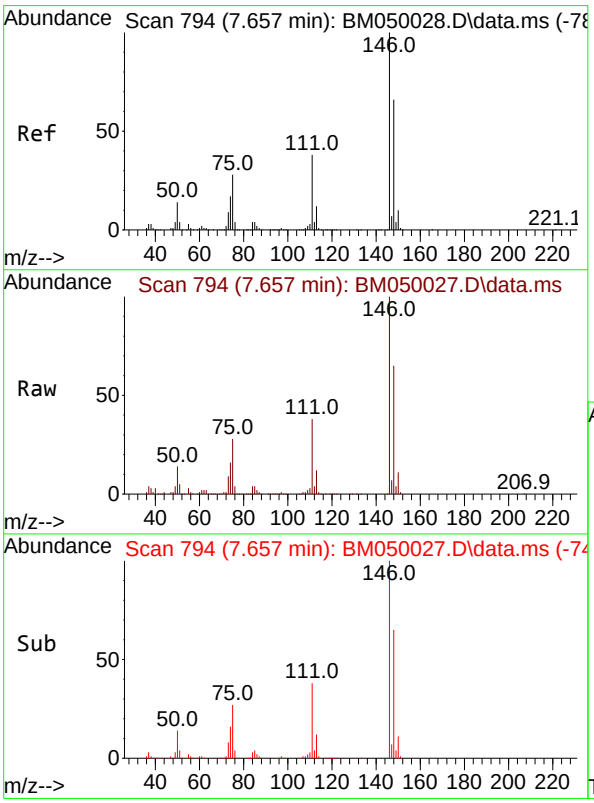
#11
bis(2-Chloroethyl)ether
Concen: 19.375 ng
RT: 7.193 min Scan# 7
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 285330

Ion	Ratio	Lower	Upper
93	100		
63	71.9	52.3	92.3
95	32.4	12.8	52.8

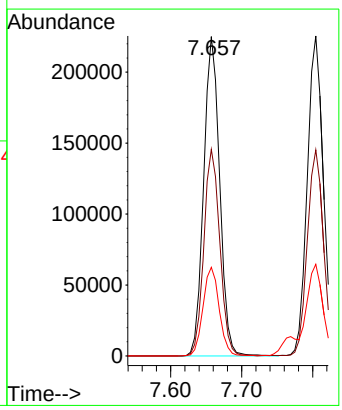


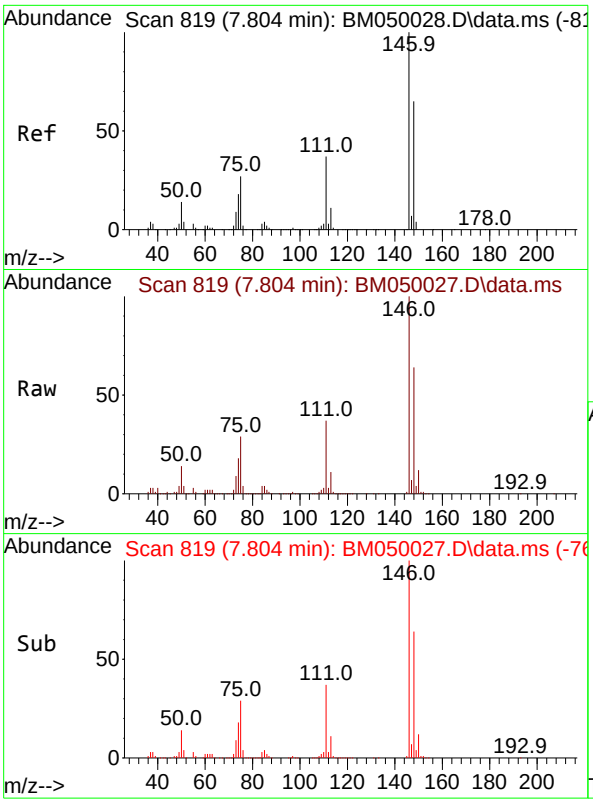


#12
1,3-Dichlorobenzene
Concen: 19.480 ng
RT: 7.657 min Scan# 794
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:146 Resp: 352660

Ion	Ratio	Lower	Upper
146	100		
148	64.7	52.5	78.7
75	27.8	22.6	34.0



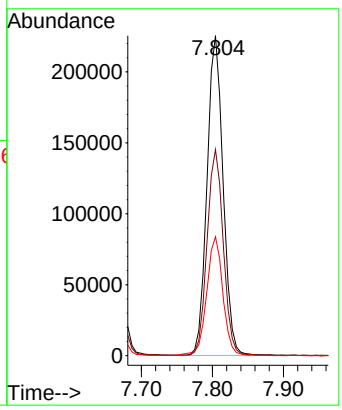


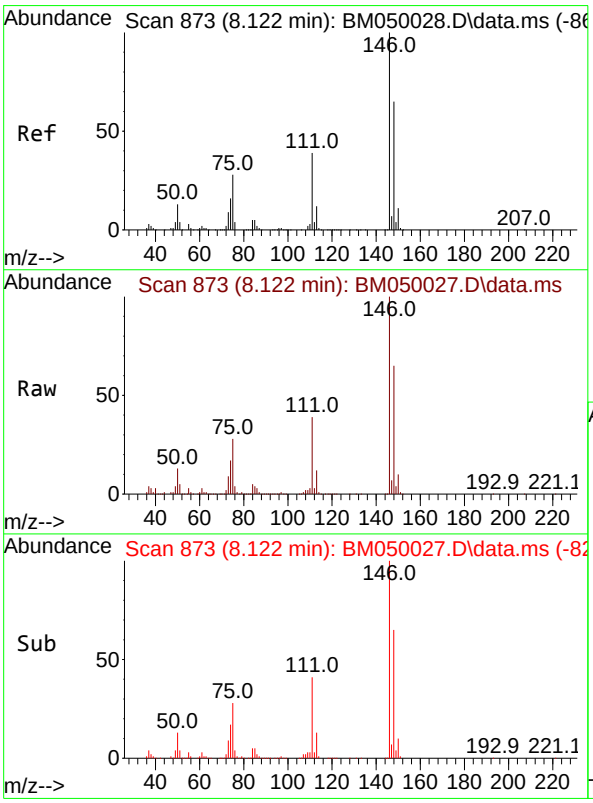
#13
1,4-Dichlorobenzene
Concen: 19.518 ng
RT: 7.804 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 354975

Ion	Ratio	Lower	Upper
146	100		
148	64.4	52.2	78.2
111	37.2	29.3	43.9

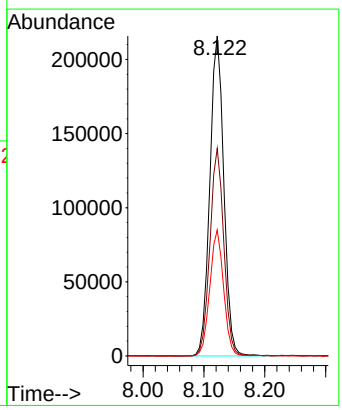


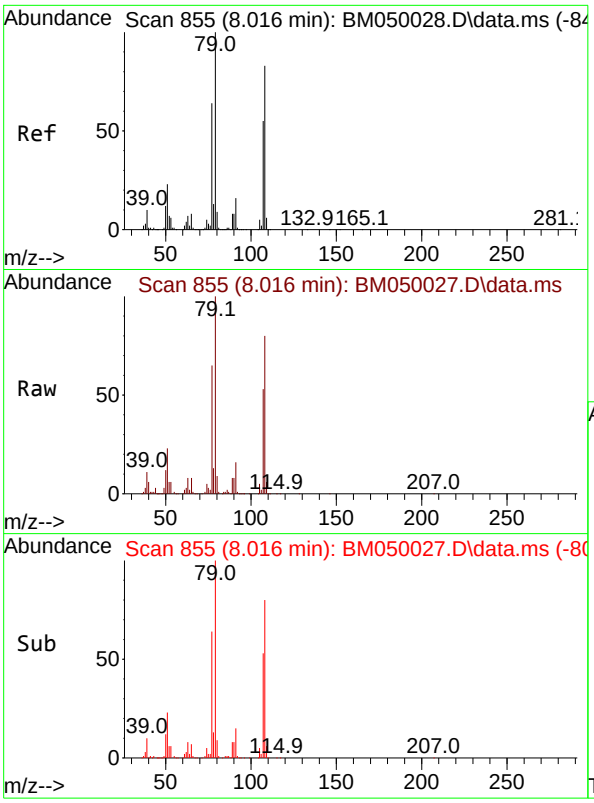


#14
1,2-Dichlorobenzene
Concen: 19.660 ng
RT: 8.122 min Scan# 873
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:146 Resp: 345385

Ion	Ratio	Lower	Upper
146	100		
148	64.8	52.4	78.6
111	39.4	31.0	46.6



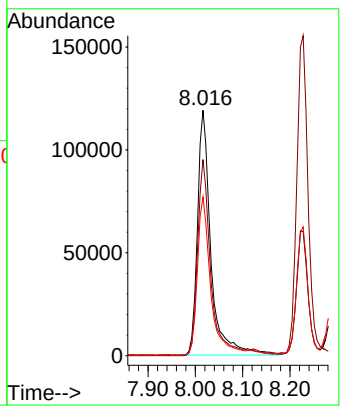


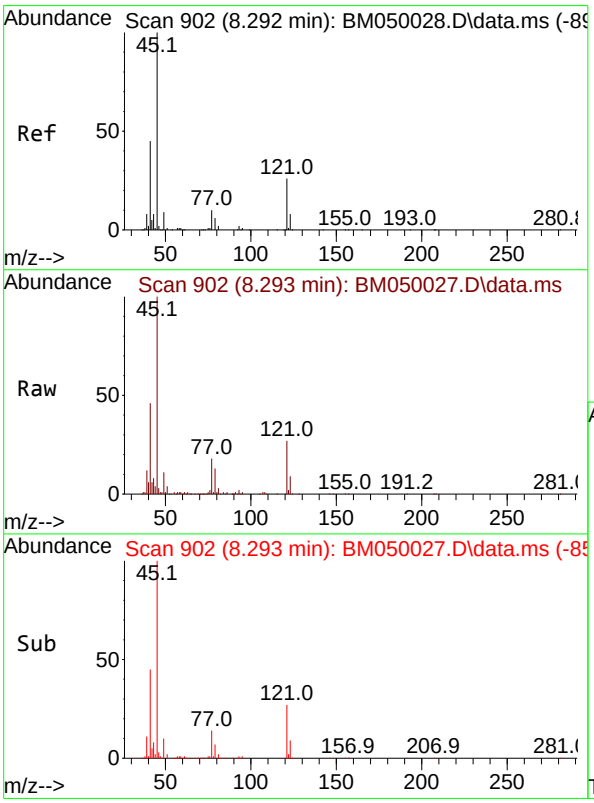
#15
Benzyl Alcohol
Concen: 19.413 ng
RT: 8.016 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 234541

Ion	Ratio	Lower	Upper
79	100		
108	79.9	66.0	99.0
77	64.6	51.6	77.4

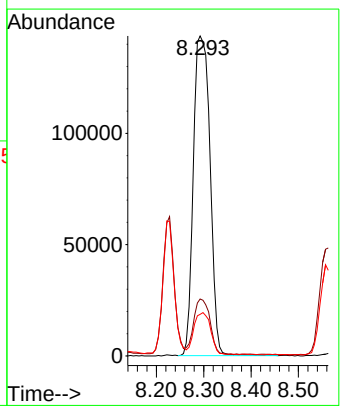


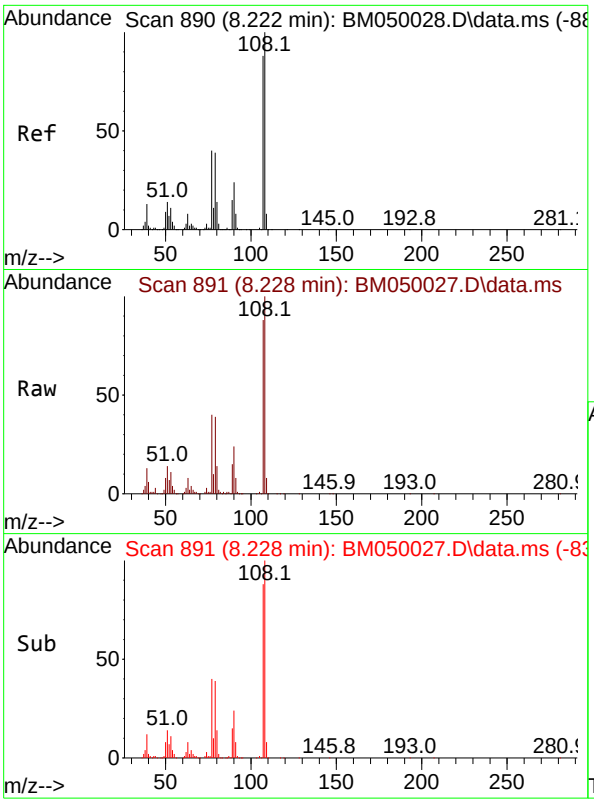


#16
2,2'-oxybis(1-Chloropropane)
Concen: 19.598 ng
RT: 8.293 min Scan# 902
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 45 Resp: 350829

Ion	Ratio	Lower	Upper
45	100		
77	17.8	0.0	36.4
79	13.0	0.0	32.7



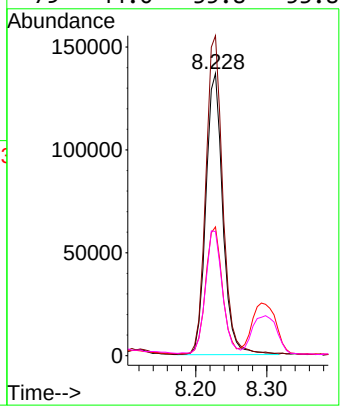


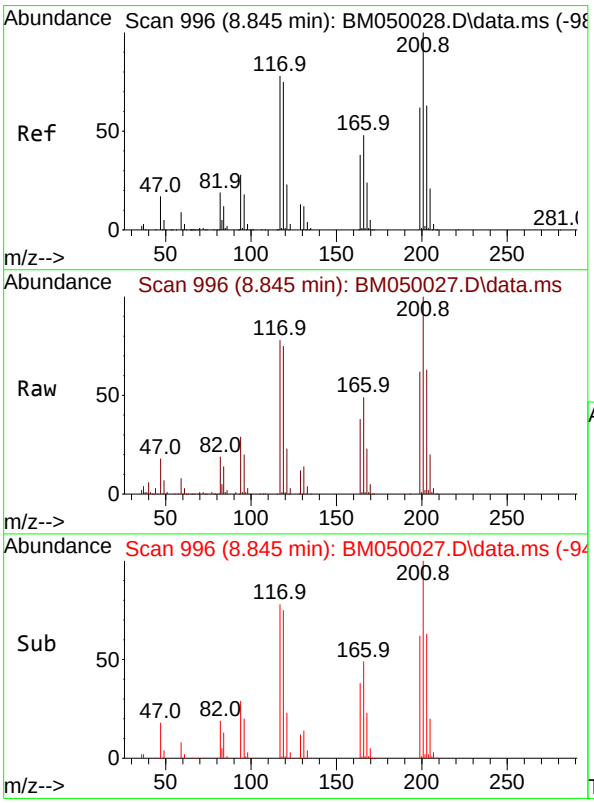
#17
2-Methylphenol
Concen: 19.450 ng
RT: 8.228 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 225978

Ion	Ratio	Lower	Upper
107	100		
108	113.4	91.1	136.7
77	45.7	36.2	54.4
79	44.0	35.8	53.8

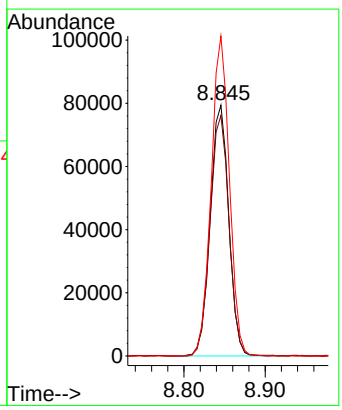


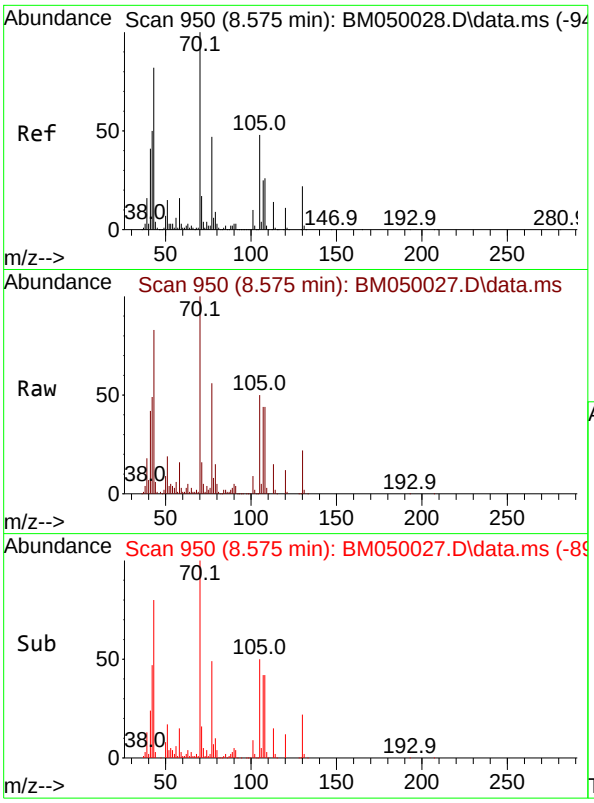


#18
Hexachloroethane
Concen: 19.571 ng
RT: 8.845 min Scan# 996
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:117 Resp: 126530

Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.3	115.9
201	127.6	102.8	154.2



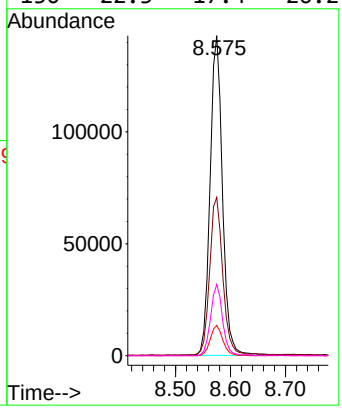


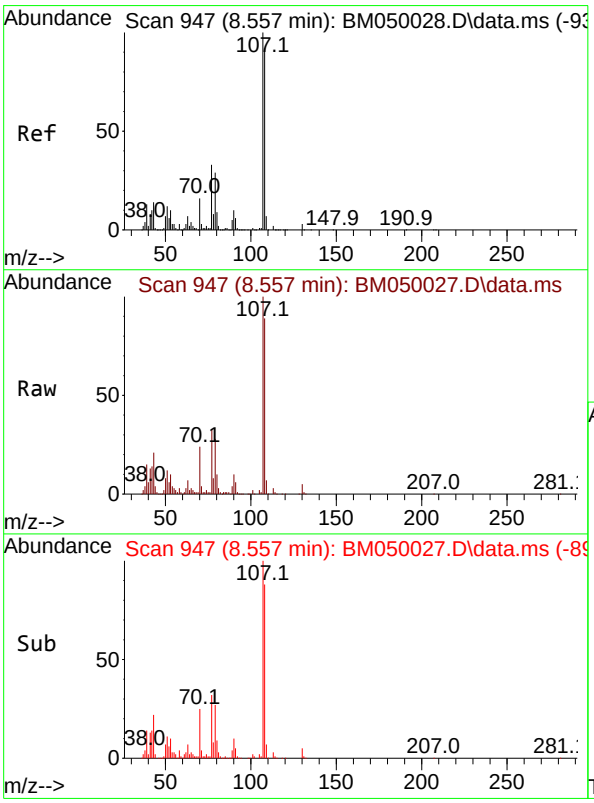
#19
n-Nitroso-di-n-propylamine
Concen: 20.006 ng
RT: 8.575 min Scan# 9
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 223538

Ion	Ratio	Lower	Upper
70	100		
42	49.5	40.5	60.7
101	9.5	7.8	11.6
130	22.3	17.4	26.2

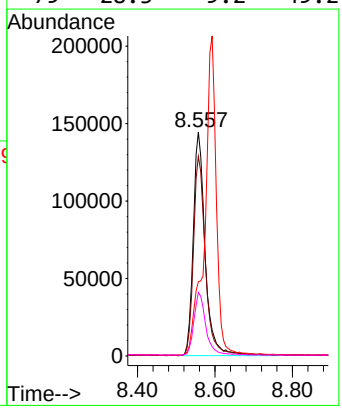


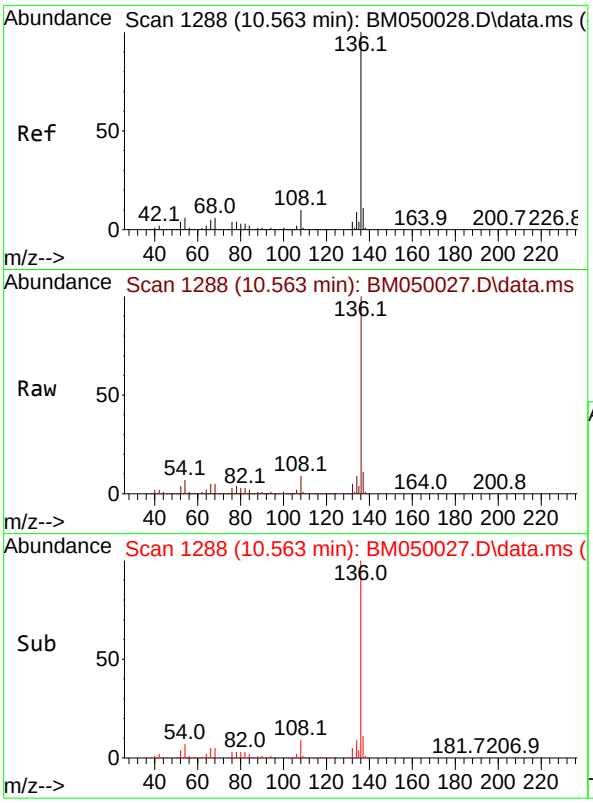


#20
3+4-Methylphenols
Concen: 19.604 ng
RT: 8.557 min Scan# 947
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:107 Resp: 307585

Ion	Ratio	Lower	Upper
107	100		
108	89.1	72.4	112.4
77	33.1	13.6	53.6
79	28.3	9.2	49.2



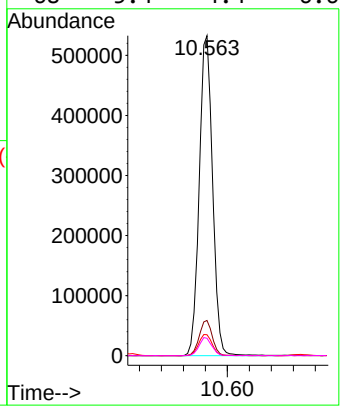


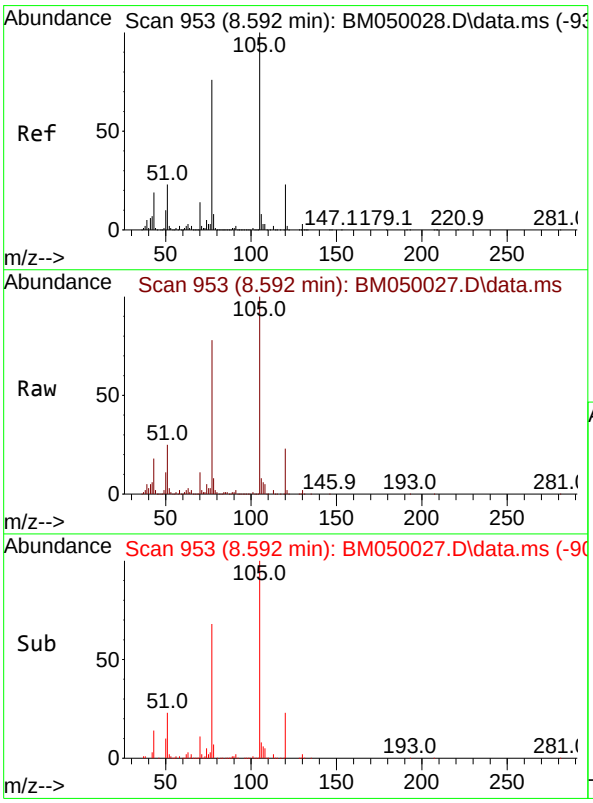
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 896366

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	6.6	5.1	7.7
68	5.4	4.4	6.6

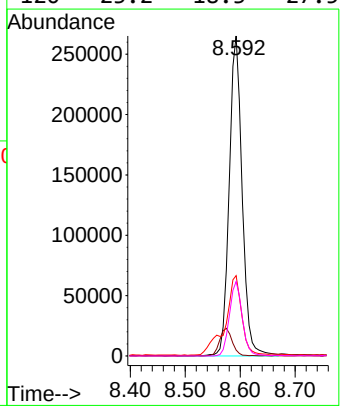


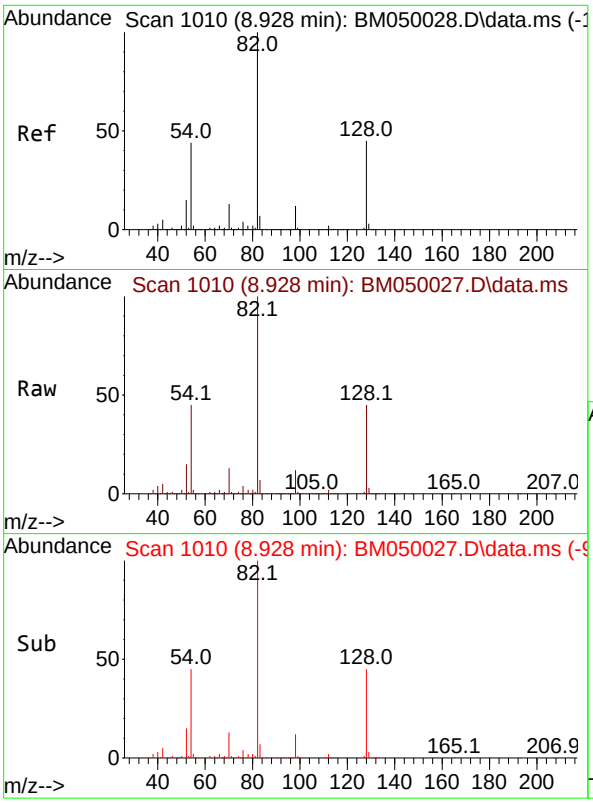


#22
Acetophenone
Concen: 19.499 ng
RT: 8.592 min Scan# 953
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:105 Resp: 434539

Ion	Ratio	Lower	Upper
105	100		
71	1.9	1.7	2.5
51	25.1	18.6	27.8
120	23.2	18.3	27.5



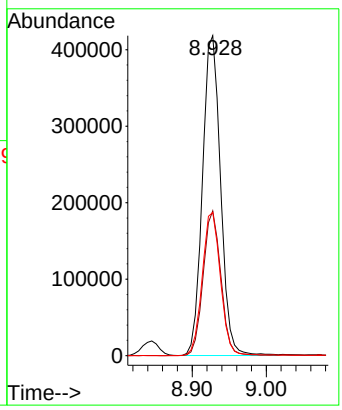


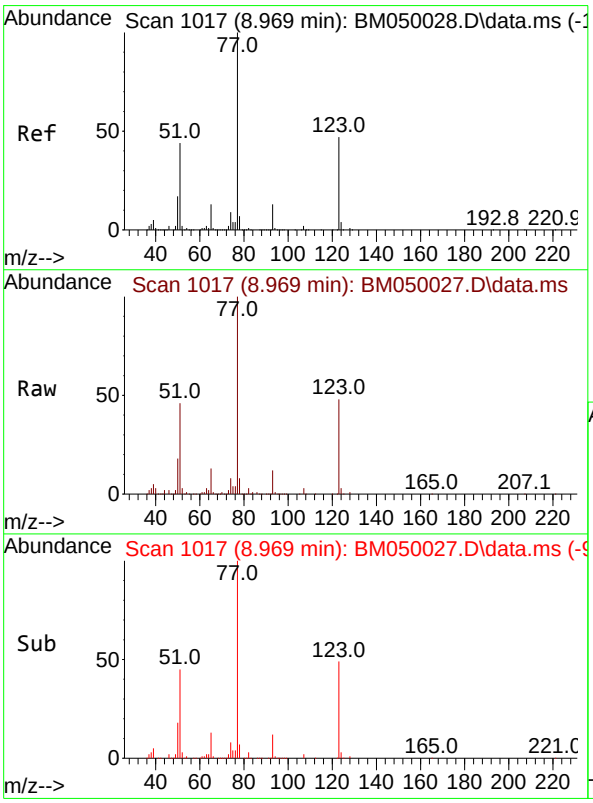
#23
Nitrobenzene-d5
Concen: 39.151 ng
RT: 8.928 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 712171

Ion	Ratio	Lower	Upper
82	100		
128	45.2	35.7	53.5
54	44.8	35.4	53.2

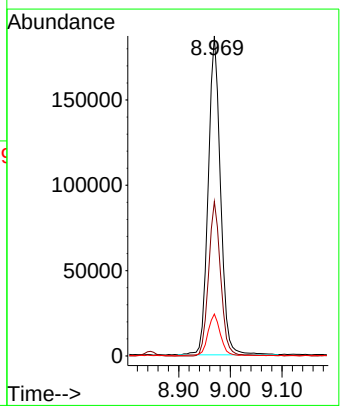


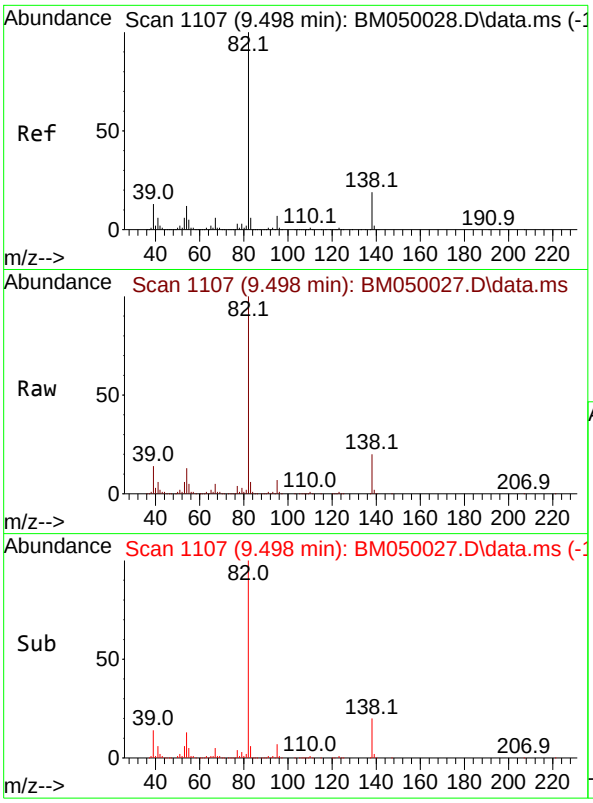


#24
Nitrobenzene
Concen: 19.667 ng
RT: 8.969 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 77 Resp: 309341

Ion	Ratio	Lower	Upper
77	100		
123	48.2	37.9	56.9
65	13.1	10.1	15.1



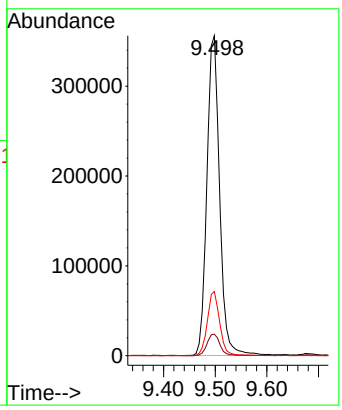


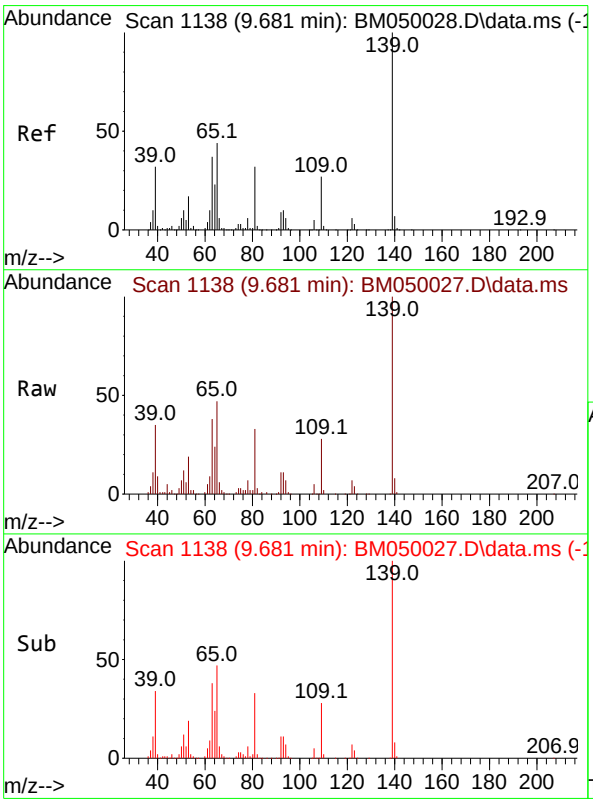
#25
Isophorone
Concen: 19.648 ng
RT: 9.498 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 609252

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.7	8.5
138	20.1	15.5	23.3

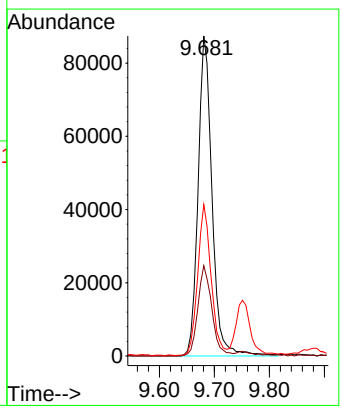


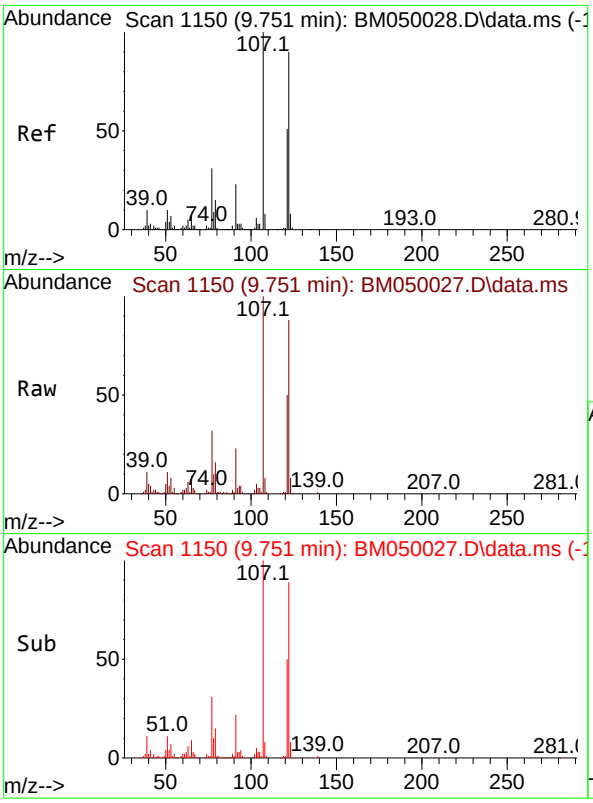


#26
2-Nitrophenol
Concen: 19.211 ng
RT: 9.681 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:139 Resp: 154364

Ion	Ratio	Lower	Upper
139	100		
109	28.2	21.9	32.9
65	47.3	35.4	53.2



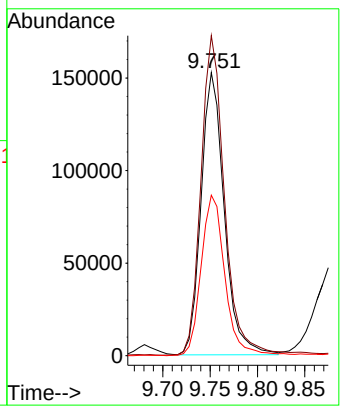


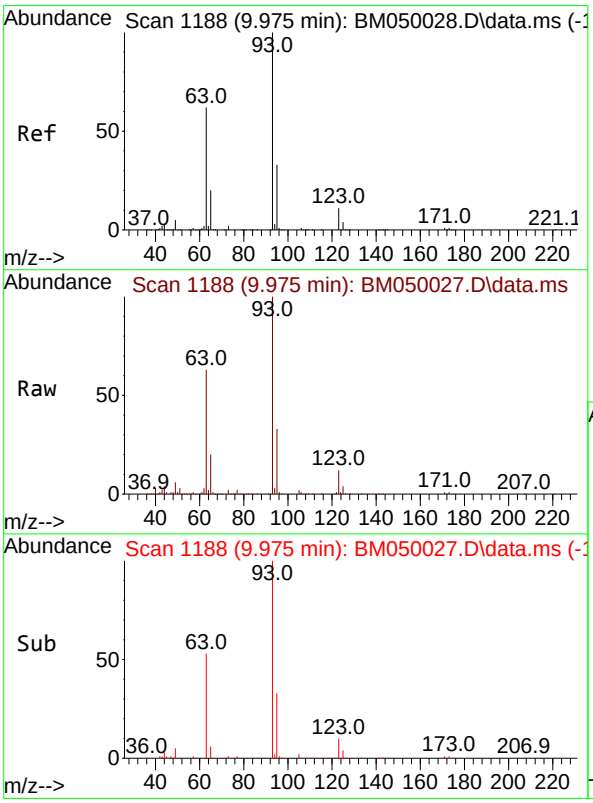
#27
2,4-Dimethylphenol
Concen: 19.460 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 259319

Ion	Ratio	Lower	Upper
122	100		
107	113.1	89.0	133.6
121	56.7	45.6	68.4

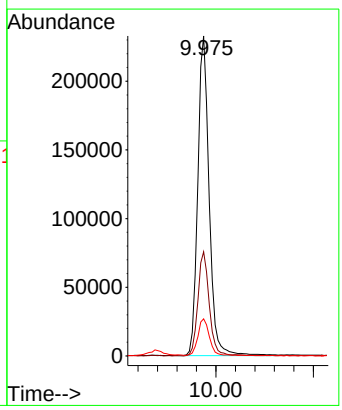


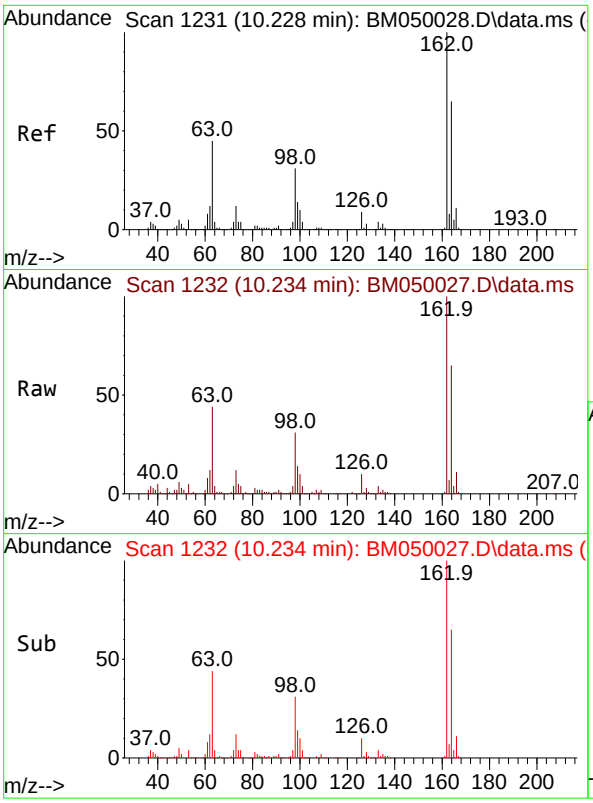


#28
bis(2-Chloroethoxy)methane
Concen: 19.732 ng
RT: 9.975 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 93 Resp: 378162

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.1	39.1
123	11.6	9.5	14.3



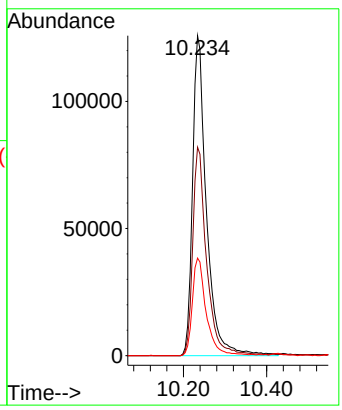


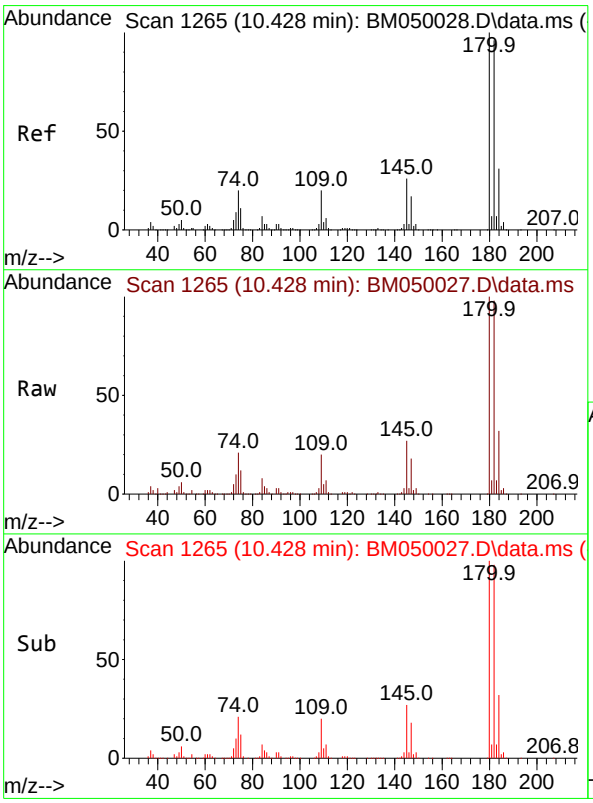
#29
2,4-Dichlorophenol
Concen: 19.582 ng
RT: 10.234 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 292336

Ion	Ratio	Lower	Upper
162	100		
164	65.2	45.4	85.4
98	30.5	11.3	51.3

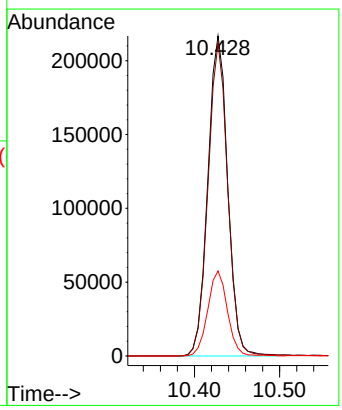


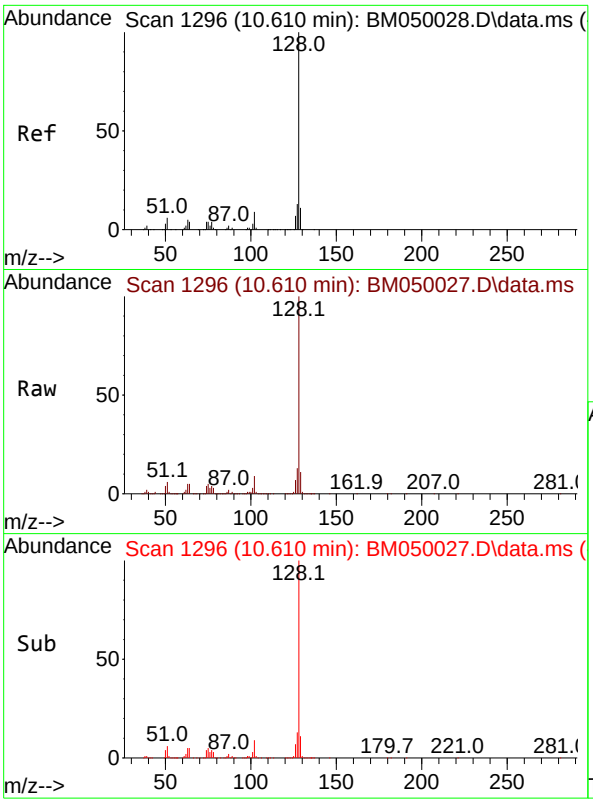


#30
1,2,4-Trichlorobenzene
Concen: 19.397 ng
RT: 10.428 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:180 Resp: 352792

Ion	Ratio	Lower	Upper
180	100		
182	97.8	77.0	115.4
145	26.6	20.6	30.8



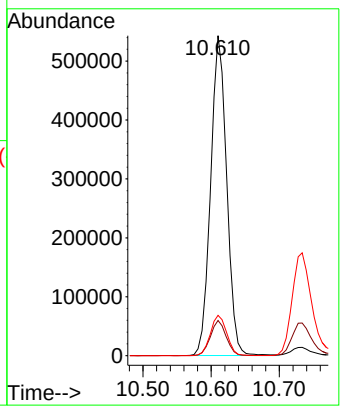


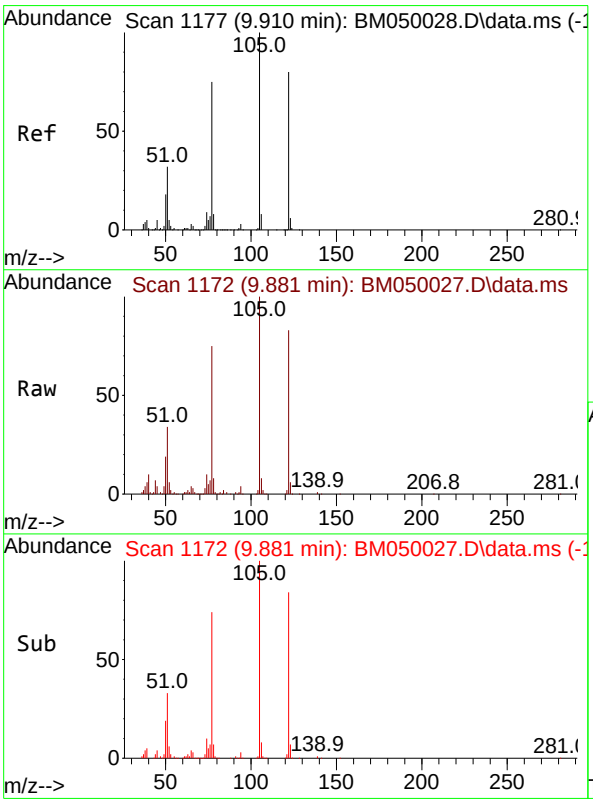
#31
Naphthalene
Concen: 19.618 ng
RT: 10.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 890530

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	12.6	10.4	15.6

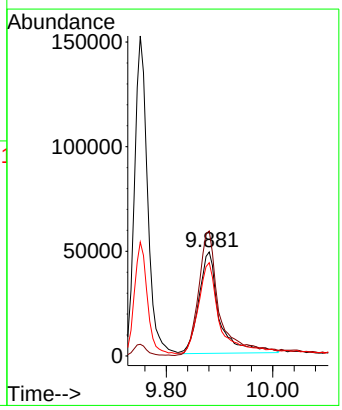


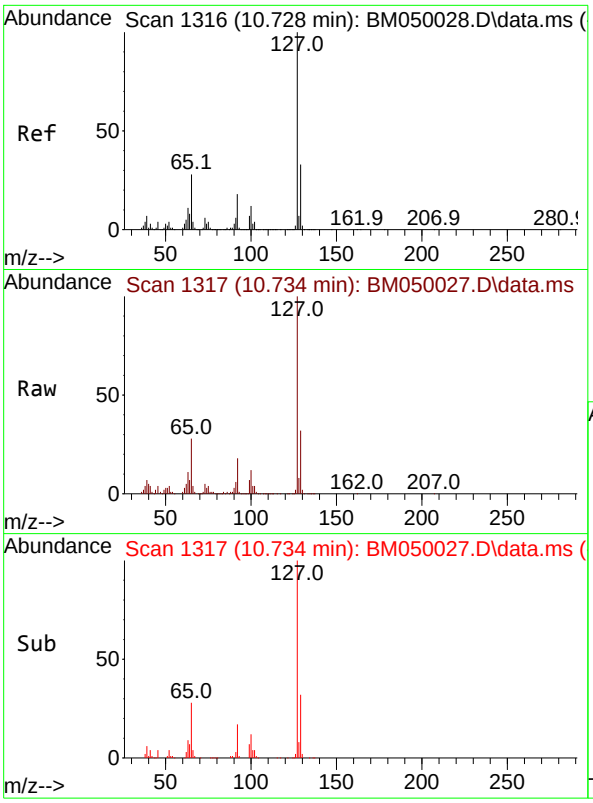


#32
Benzoic acid
Concen: 15.242 ng
RT: 9.881 min Scan# 1172
Delta R.T. -0.029 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:122 Resp: 129541

Ion	Ratio	Lower	Upper
122	100		
105	120.1	103.6	143.6
77	89.7	73.7	113.7



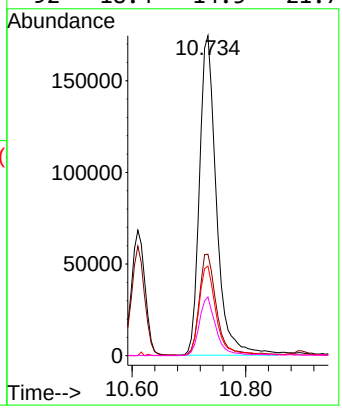


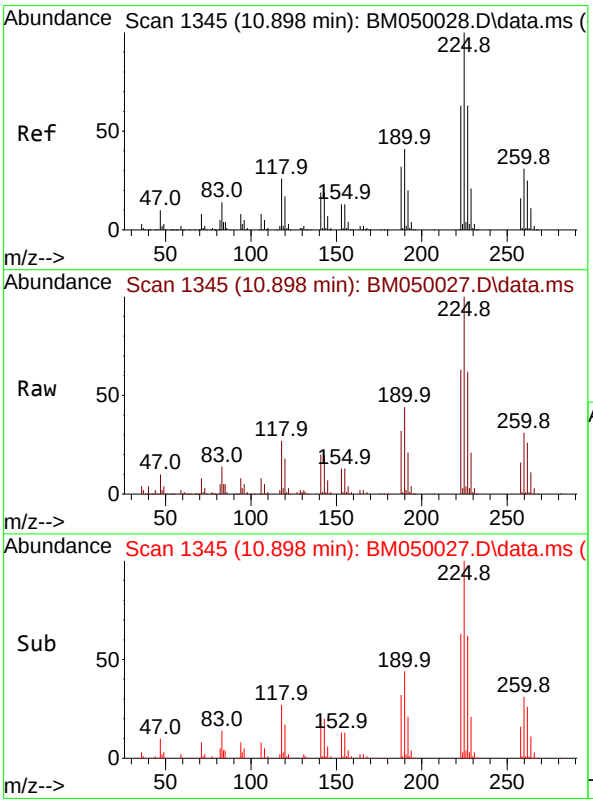
#33
4-Chloroaniline
Concen: 19.475 ng
RT: 10.734 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 362366

Ion	Ratio	Lower	Upper
127	100		
129	31.7	26.3	39.5
65	28.0	22.5	33.7
92	18.4	14.5	21.7

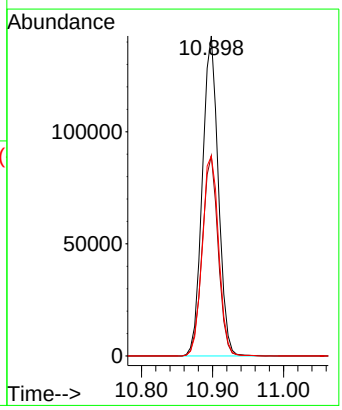


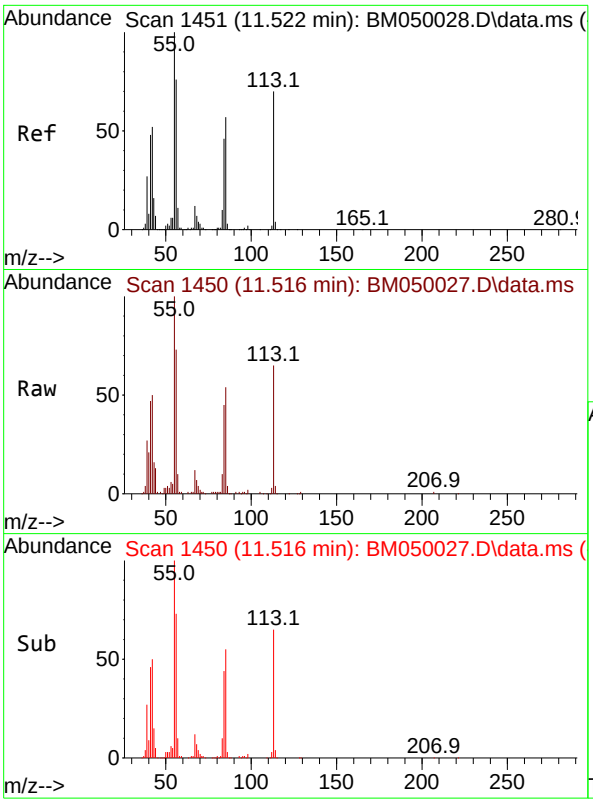


#34
Hexachlorobutadiene
Concen: 19.327 ng
RT: 10.898 min Scan# 1345
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:225 Resp: 223143

Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.2	75.2
227	62.4	50.6	76.0



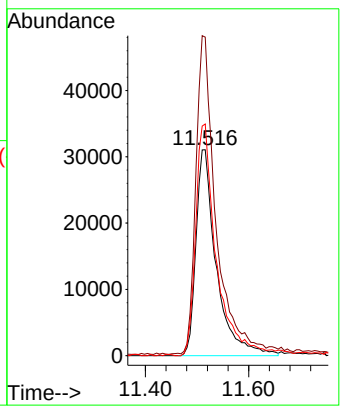


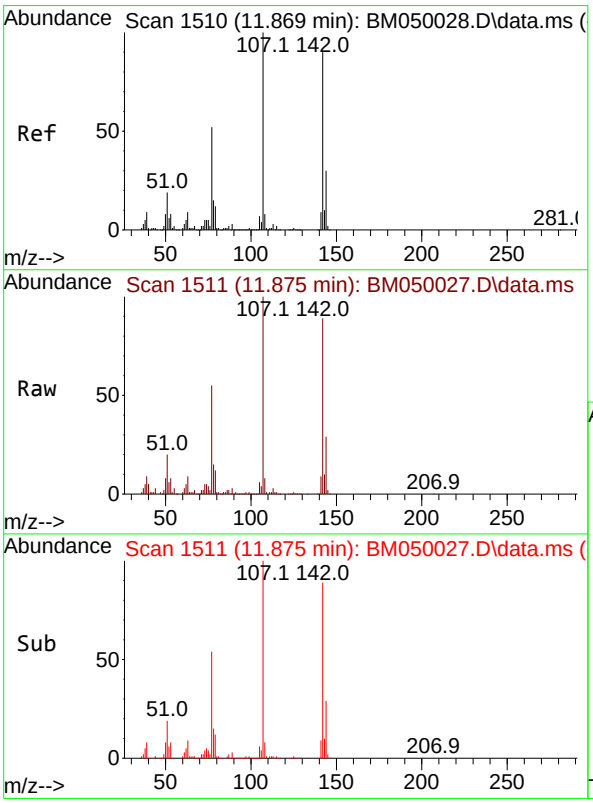
#35
Caprolactam
Concen: 19.509 ng
RT: 11.516 min Scan# 14
Delta R.T. -0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 84917

Ion	Ratio	Lower	Upper
113	100		
55	154.8	122.9	162.9
56	112.6	88.1	128.1

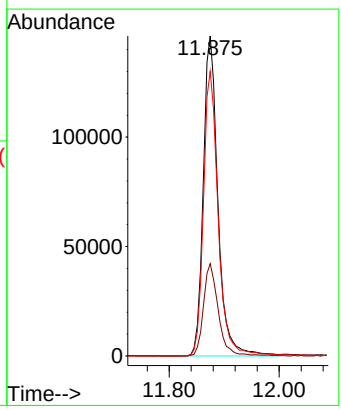


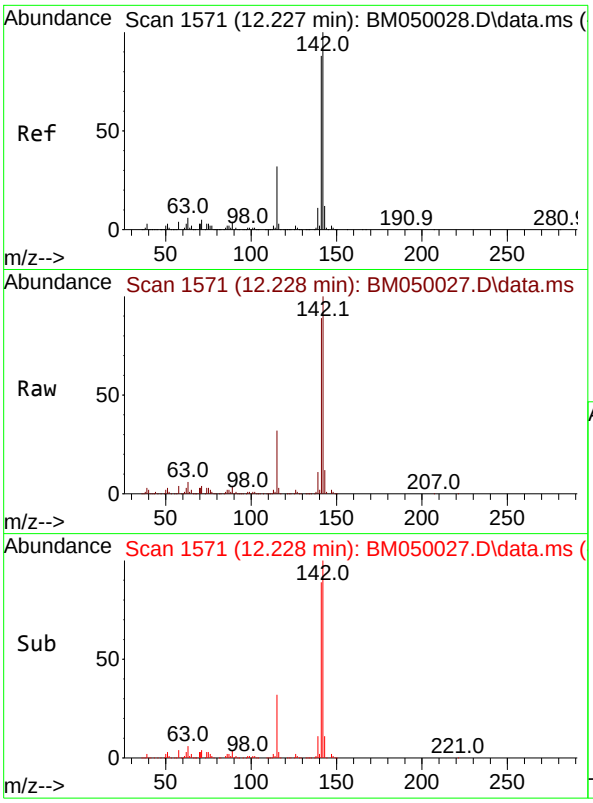


#36
4-Chloro-3-methylphenol
Concen: 19.613 ng
RT: 11.875 min Scan# 1511
Delta R.T. 0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:107 Resp: 270510

Ion	Ratio	Lower	Upper
107	100		
144	28.8	23.8	35.6
142	89.0	71.9	107.9



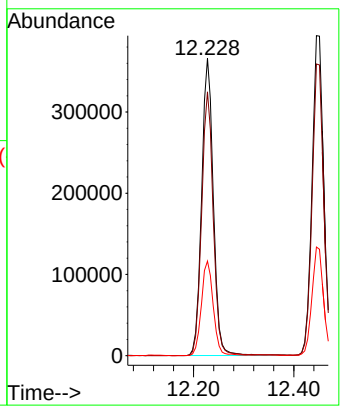


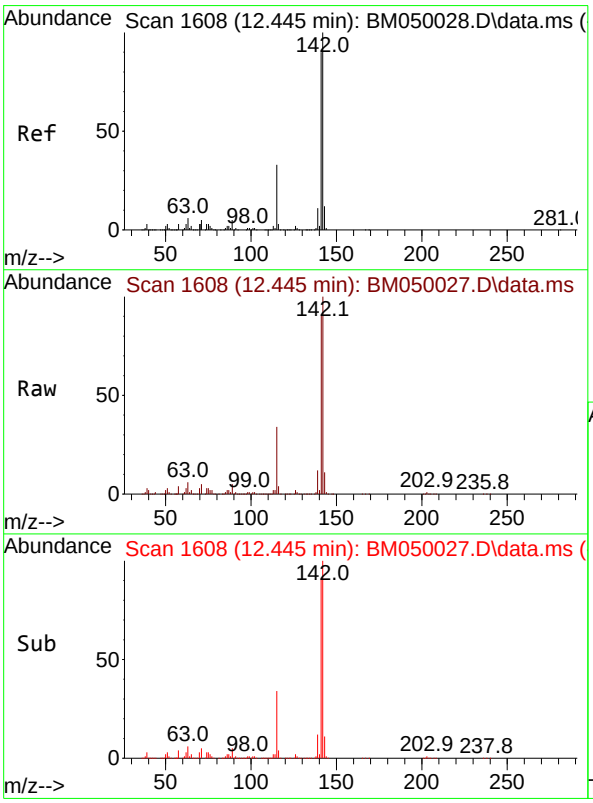
#37
2-Methylnaphthalene
Concen: 19.498 ng
RT: 12.228 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 593403

Ion	Ratio	Lower	Upper
142	100		
141	88.7	70.4	105.6
115	31.8	25.4	38.2

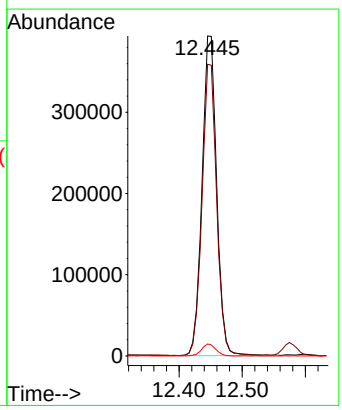


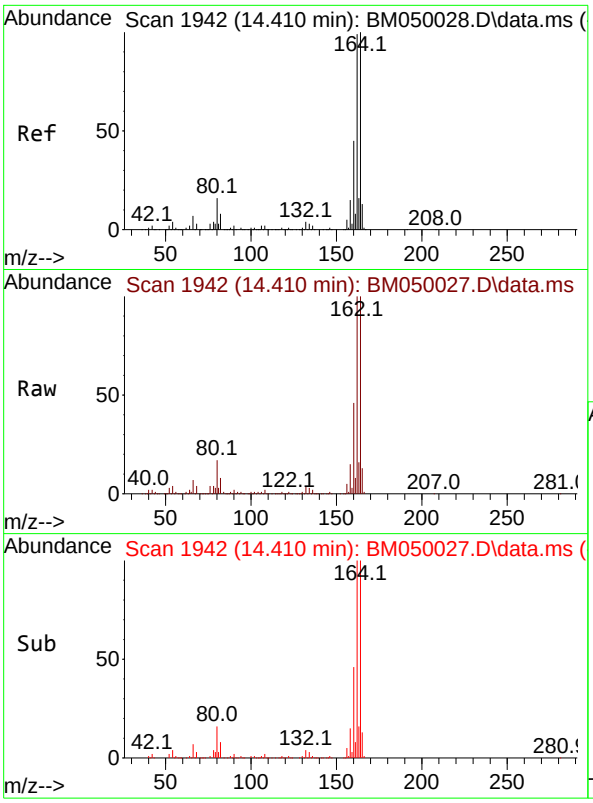


#38
1-Methylnaphthalene
Concen: 19.694 ng
RT: 12.445 min Scan# 1608
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:142 Resp: 634293

Ion	Ratio	Lower	Upper
142	100		
141	91.1	72.1	108.1
116	3.8	2.7	4.1



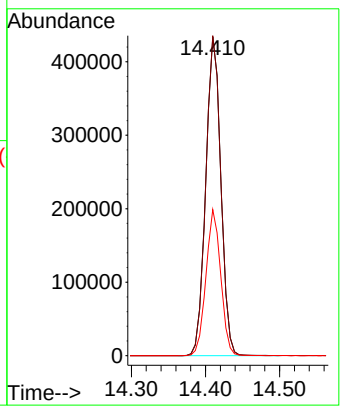


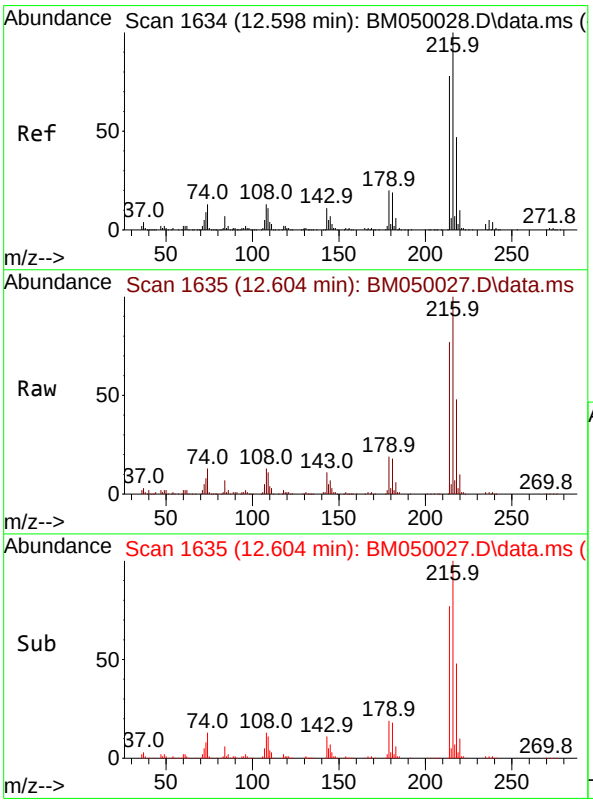
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 614688

Ion	Ratio	Lower	Upper
164	100		
162	100.4	79.4	119.0
160	45.8	36.2	54.4

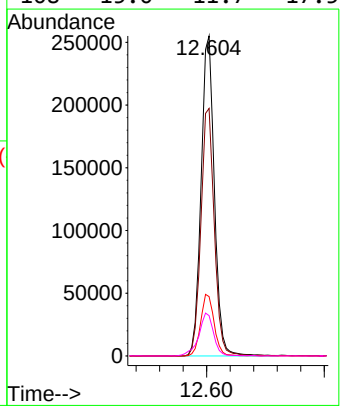


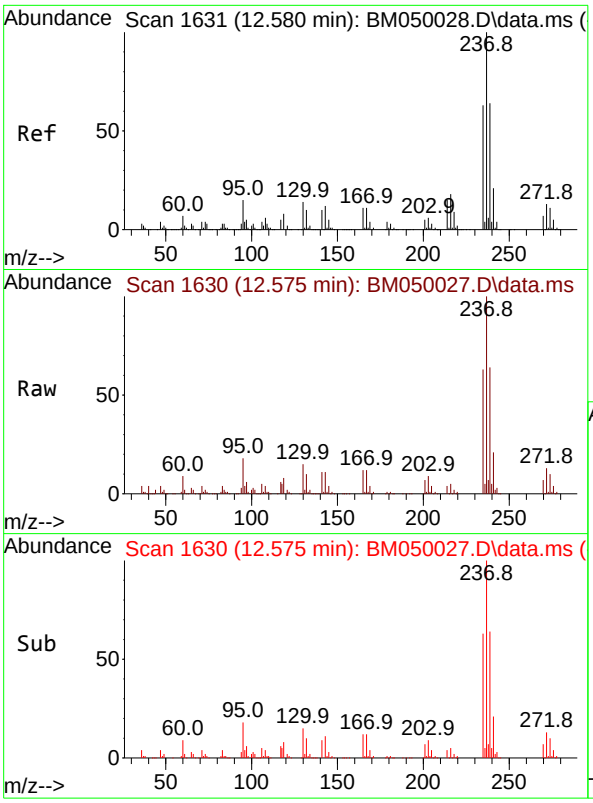


#40
1,2,4,5-Tetrachlorobenzene
Concen: 18.909 ng
RT: 12.604 min Scan# 1635
Delta R.T. 0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:216 Resp: 402355

Ion	Ratio	Lower	Upper
216	100		
214	78.2	62.3	93.5
179	19.6	15.4	23.0
108	15.0	11.7	17.5



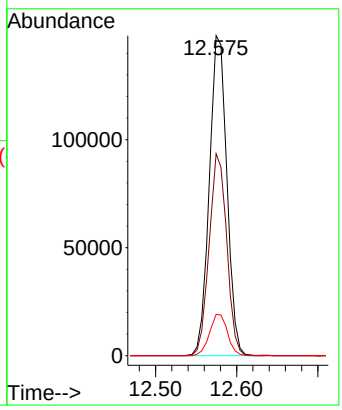


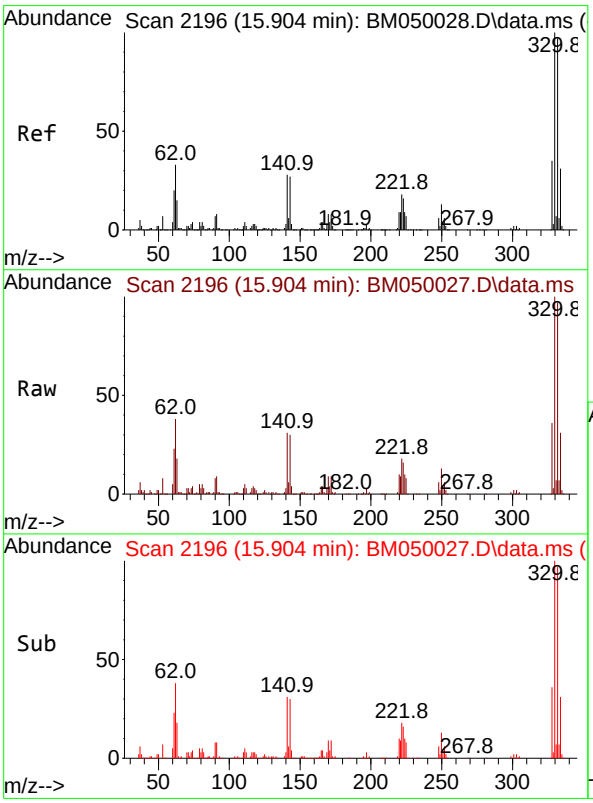
#41
Hexachlorocyclopentadiene
Concen: 17.091 ng
RT: 12.575 min Scan# 1
Delta R.T. -0.005 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 222254

Ion	Ratio	Lower	Upper
237	100		
235	63.1	42.9	82.9
272	12.9	0.0	32.9

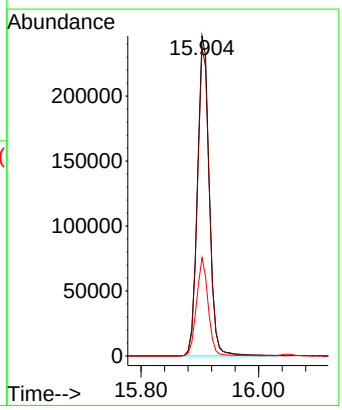


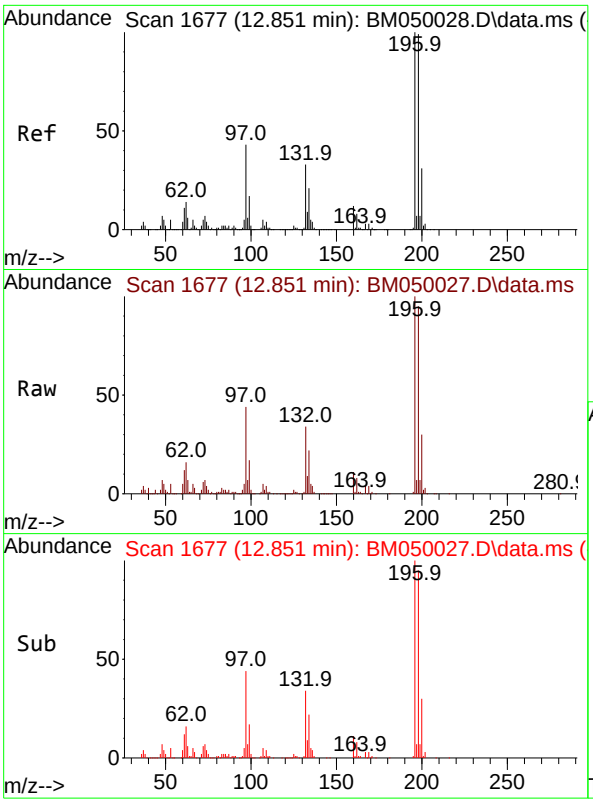


#42
2,4,6-Tribromophenol
Concen: 37.960 ng
RT: 15.904 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:330 Resp: 345020

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.3	115.9
141	30.1	22.5	33.7



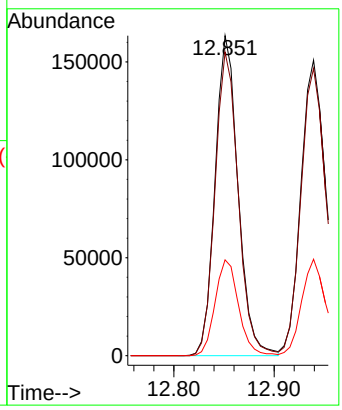


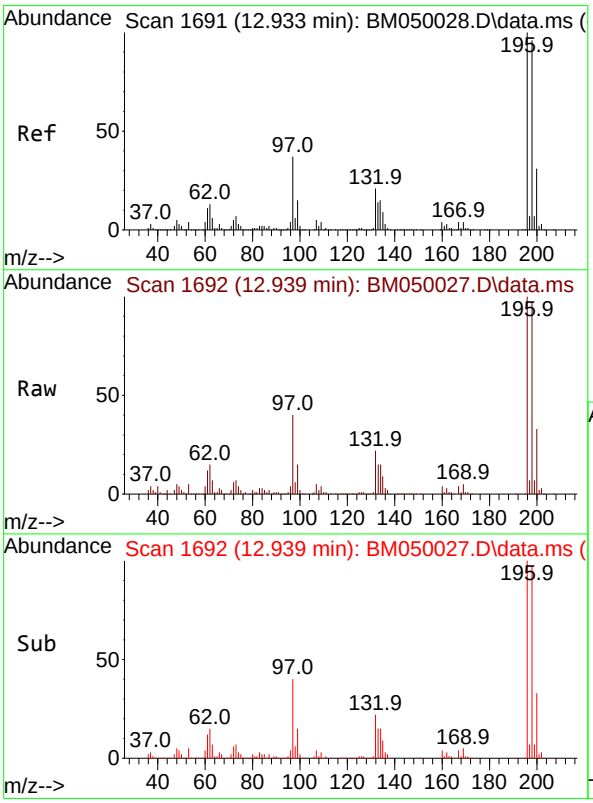
#43
2,4,6-Trichlorophenol
Concen: 19.276 ng
RT: 12.851 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 260161

Ion	Ratio	Lower	Upper
196	100		
198	94.8	79.0	118.6
200	30.0	25.1	37.7

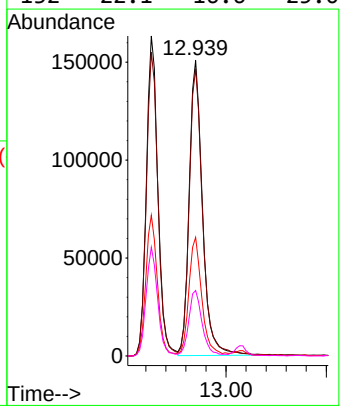


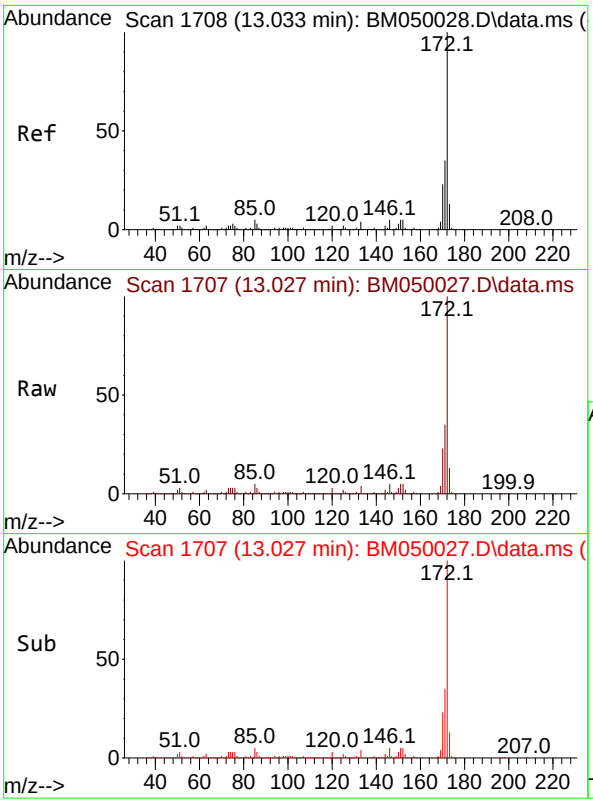


#44
2,4,5-Trichlorophenol
Concen: 19.123 ng
RT: 12.939 min Scan# 1692
Delta R.T. 0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:196 Resp: 278307

Ion	Ratio	Lower	Upper
196	100		
198	97.2	76.7	115.1
97	40.1	30.1	45.1
132	22.1	16.6	25.0



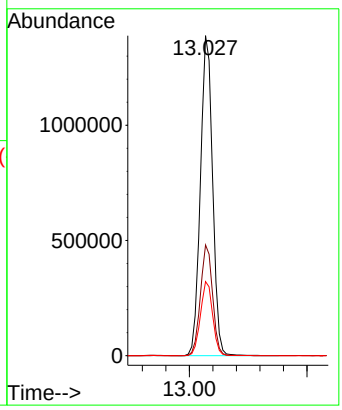


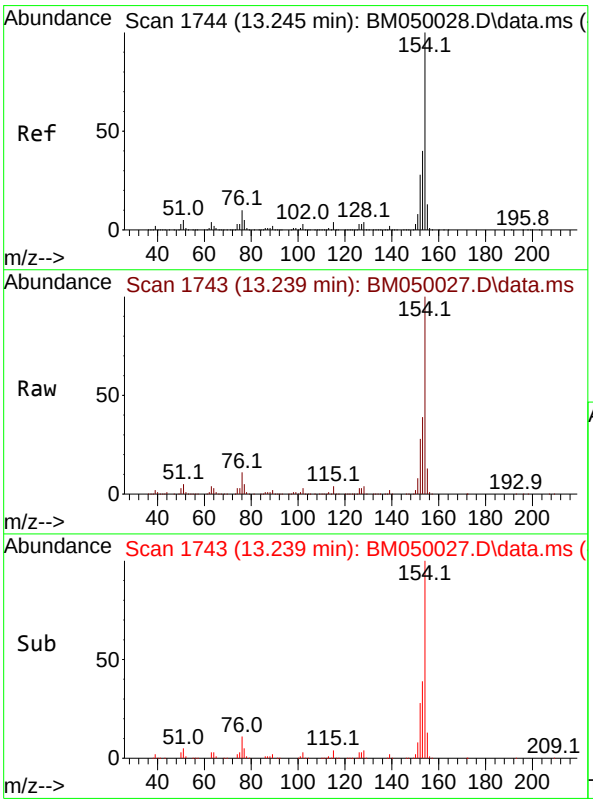
#45
2-Fluorobiphenyl
Concen: 38.602 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 2005788

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.8	41.6
170	23.2	18.6	28.0

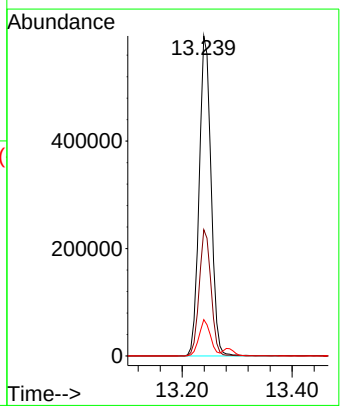


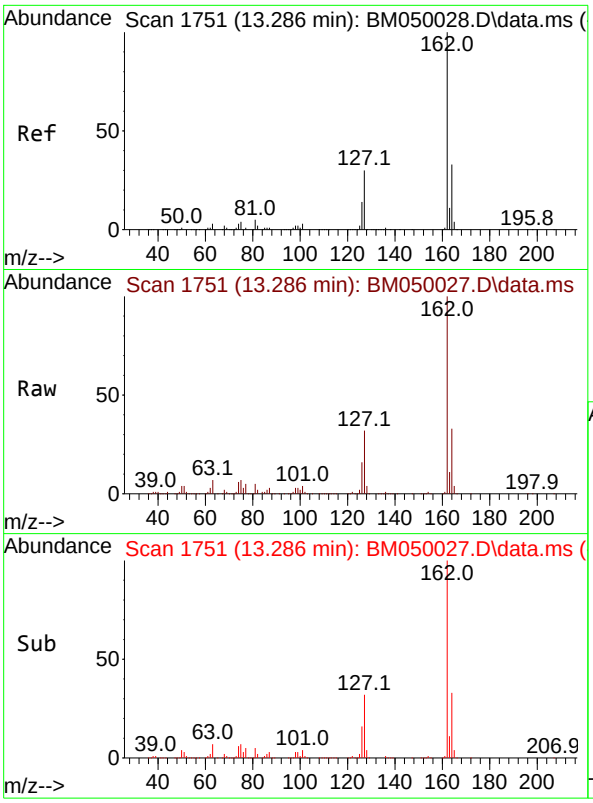


#46
1,1'-Biphenyl
Concen: 19.530 ng
RT: 13.239 min Scan# 1743
Delta R.T. -0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:154 Resp: 892394

Ion	Ratio	Lower	Upper
154	100		
153	39.5	20.0	60.0
76	11.3	0.0	30.3



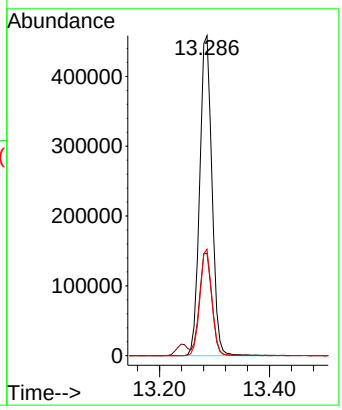


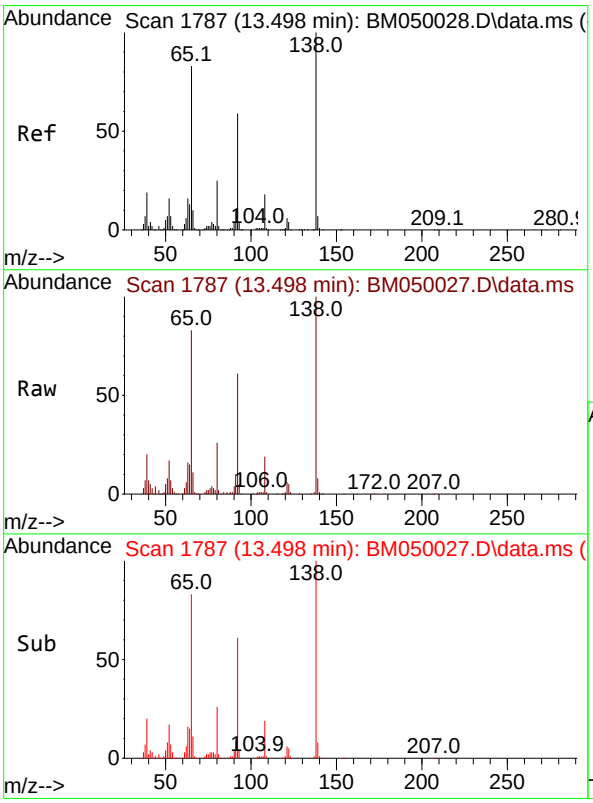
#47
2-Chloronaphthalene
Concen: 19.614 ng
RT: 13.286 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 709815

Ion	Ratio	Lower	Upper
162	100		
127	32.0	25.9	38.9
164	33.3	26.6	40.0

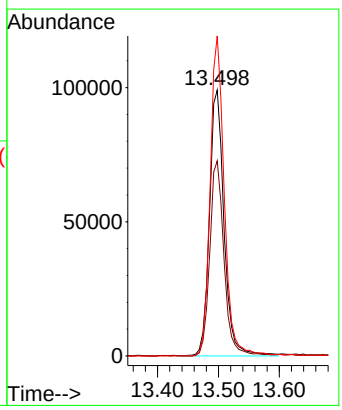


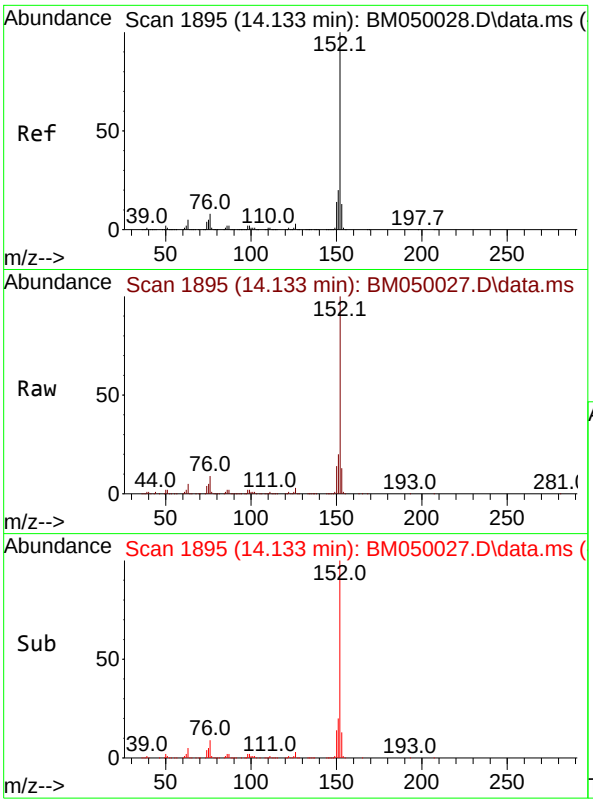


#48
2-Nitroaniline
Concen: 19.465 ng
RT: 13.498 min Scan# 1787
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 65 Resp: 165324

Ion	Ratio	Lower	Upper
65	100		
92	73.4	57.1	85.7
138	120.3	97.0	145.4



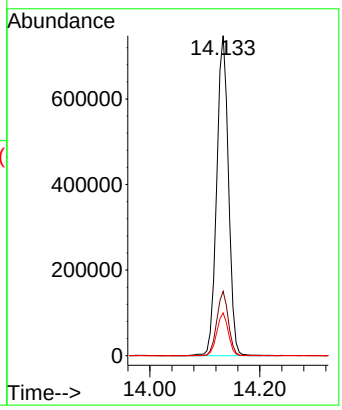


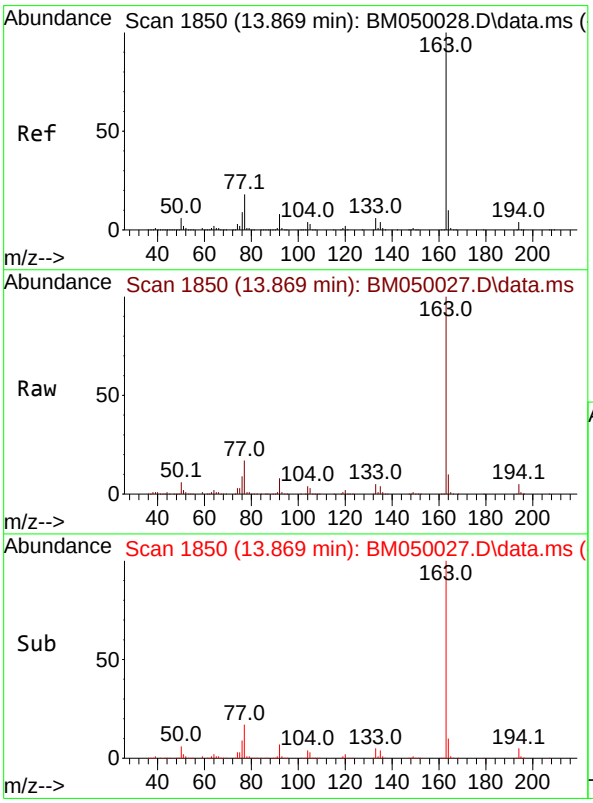
#49
Acenaphthylene
Concen: 19.502 ng
RT: 14.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 1112766

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.8	23.8
153	13.3	10.6	15.8

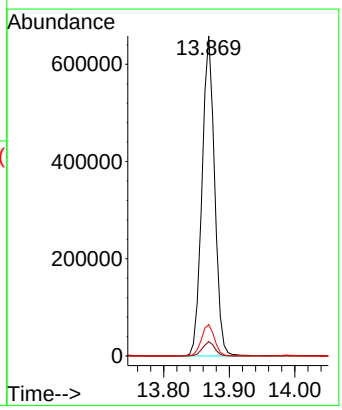


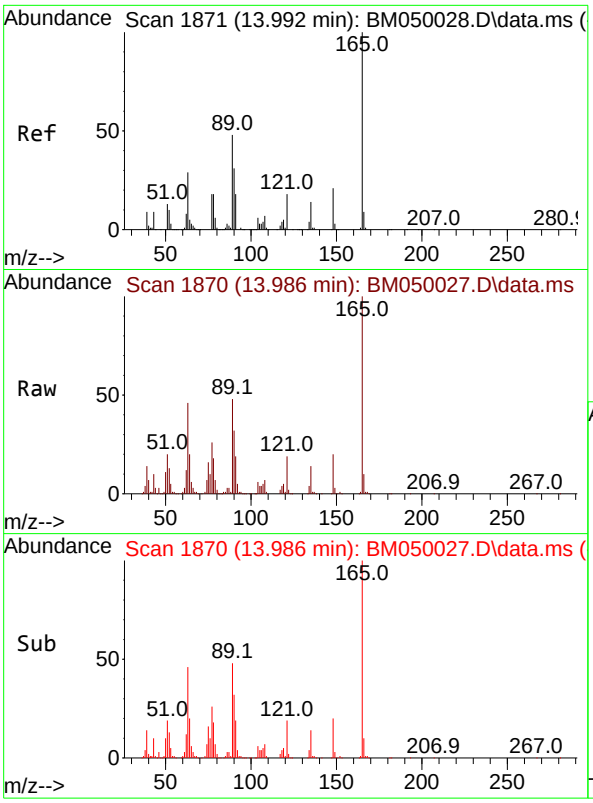


#50
Dimethylphthalate
Concen: 19.659 ng
RT: 13.869 min Scan# 1850
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:163 Resp: 883120

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.4	5.2
164	9.8	8.2	12.2



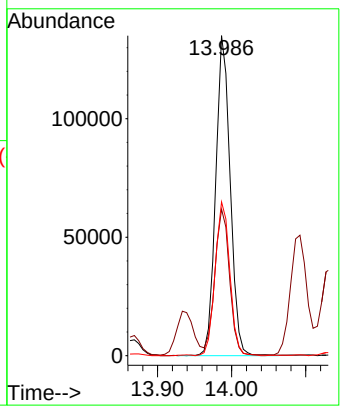


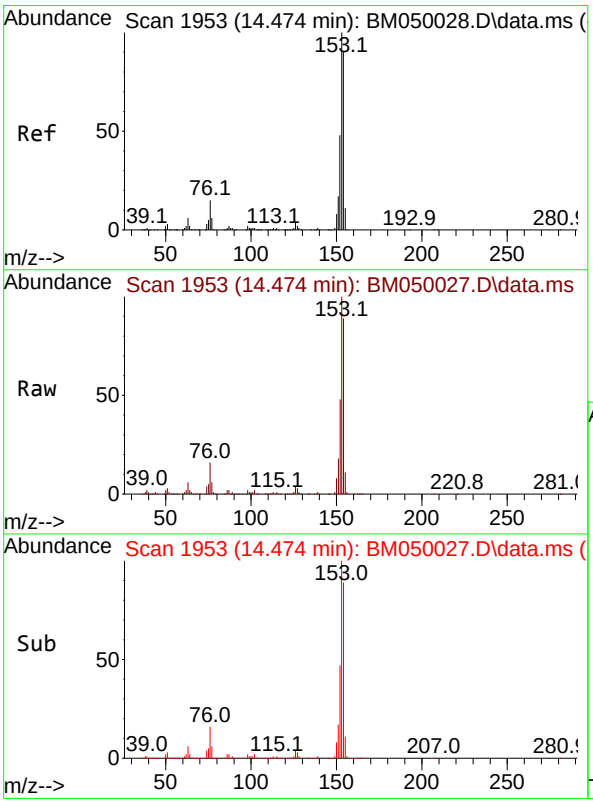
#51
2,6-Dinitrotoluene
Concen: 19.729 ng
RT: 13.986 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 183493

Ion	Ratio	Lower	Upper
165	100		
63	45.7	35.1	52.7
89	48.1	38.4	57.6

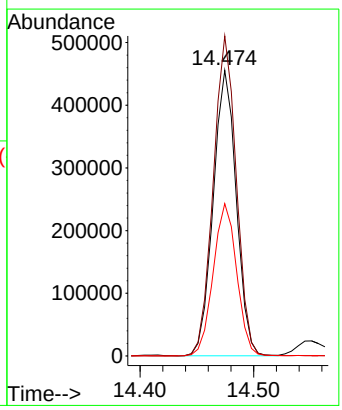


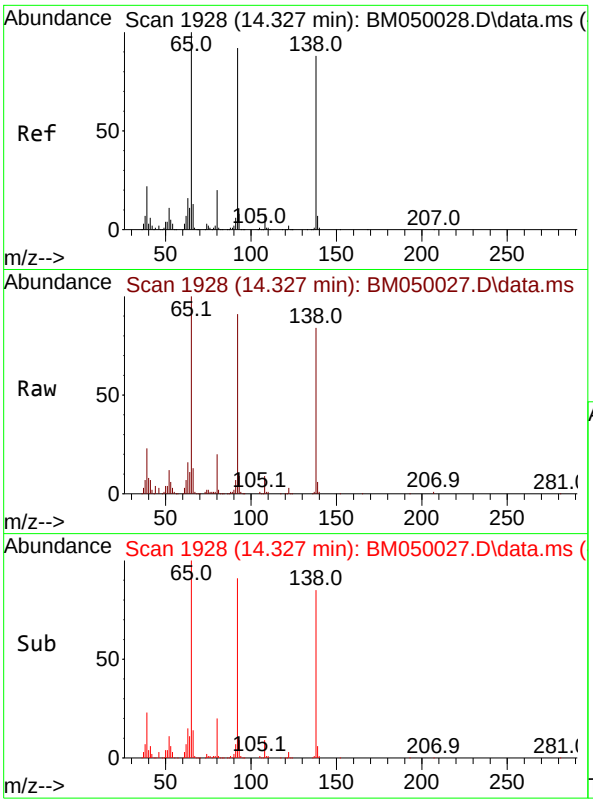


#52
Acenaphthene
Concen: 19.474 ng
RT: 14.474 min Scan# 1953
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:154 Resp: 643177

Ion	Ratio	Lower	Upper
154	100		
153	112.0	89.0	133.4
152	53.3	43.0	64.6



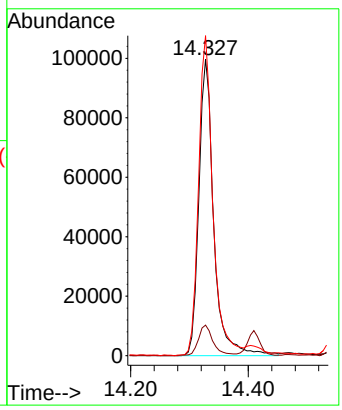


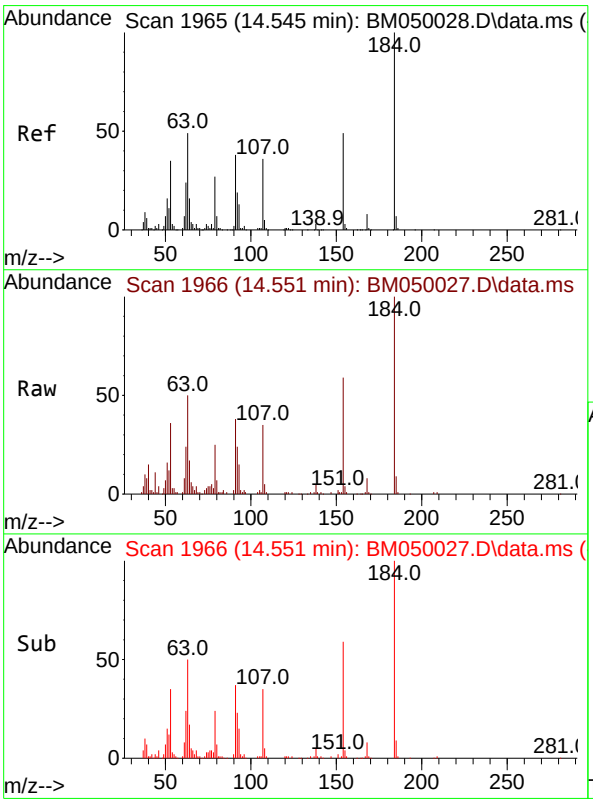
#53
3-Nitroaniline
Concen: 19.666 ng
RT: 14.327 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 174626

Ion	Ratio	Lower	Upper
138	100		
108	10.3	7.4	11.2
92	107.9	84.0	126.0

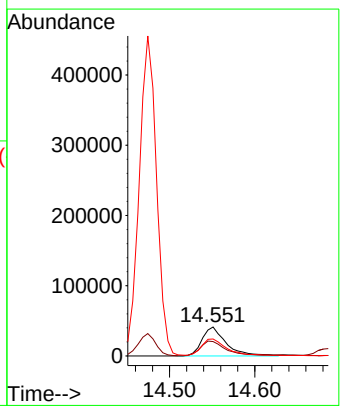


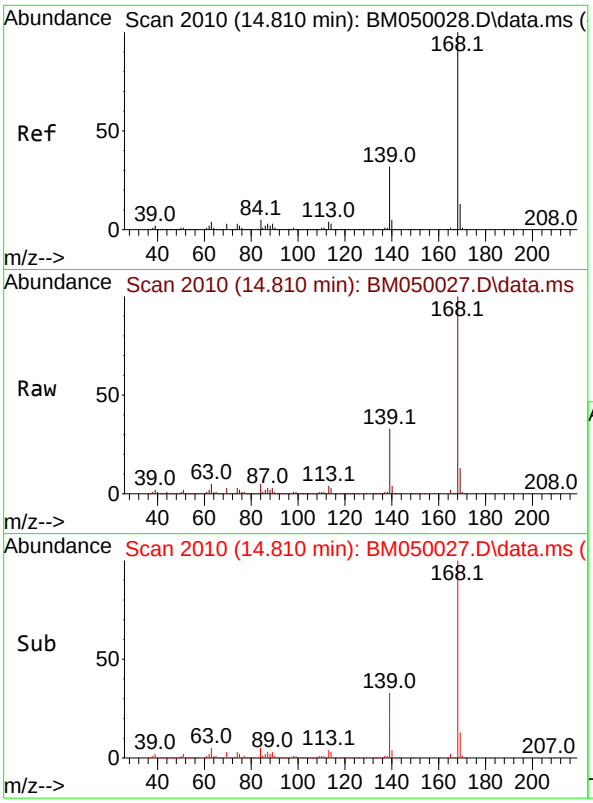


#54
2,4-Dinitrophenol
Concen: 18.373 ng
RT: 14.551 min Scan# 1966
Delta R.T. 0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:184 Resp: 80991

Ion	Ratio	Lower	Upper
184	100		
63	50.1	39.8	59.6
154	58.5	46.1	69.1



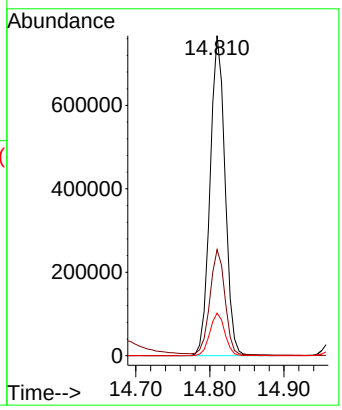


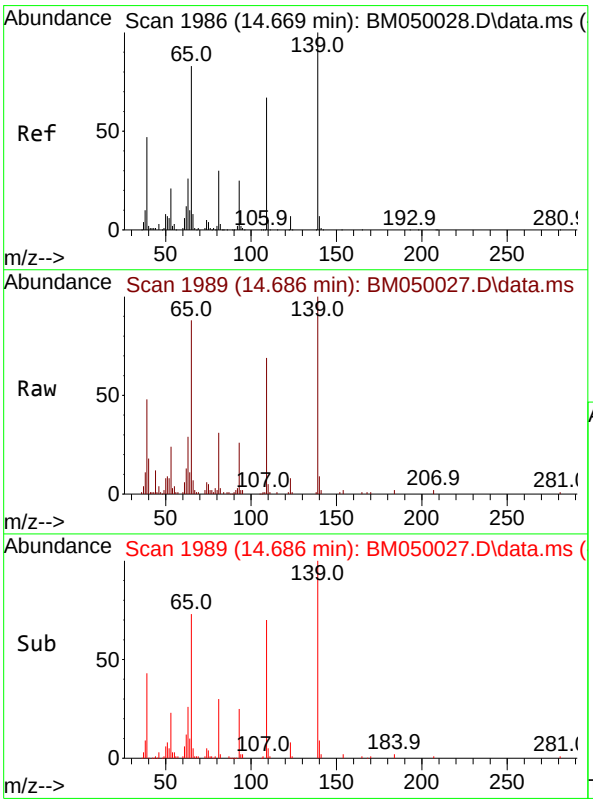
#55
Dibenzofuran
Concen: 19.562 ng
RT: 14.810 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 1074975

Ion	Ratio	Lower	Upper
168	100		
139	33.2	26.1	39.1
169	13.3	10.8	16.2

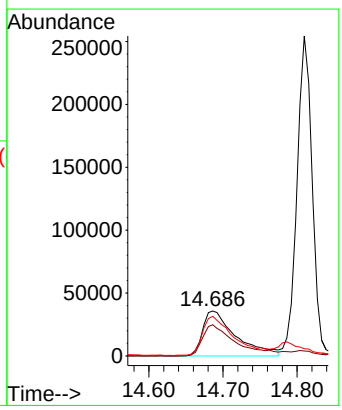


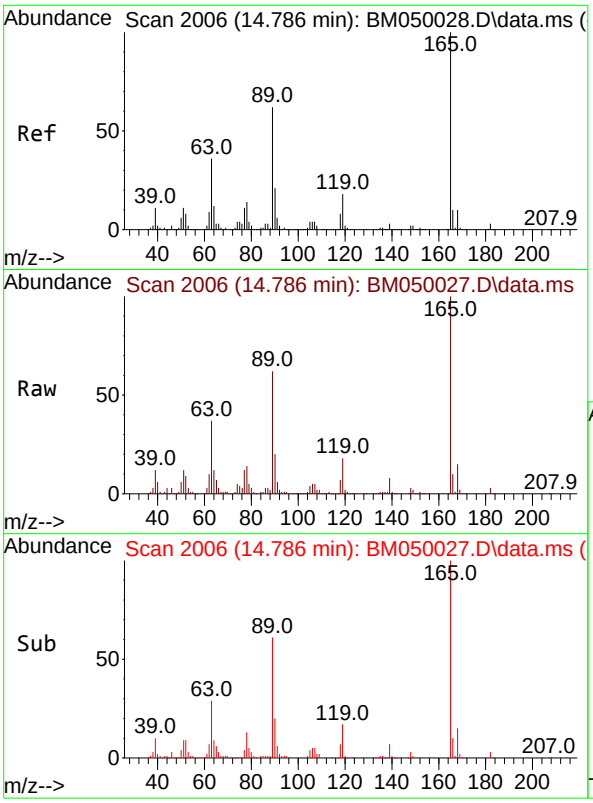


#56
4-Nitrophenol
Concen: 19.021 ng
RT: 14.686 min Scan# 1989
Delta R.T. 0.017 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:139 Resp: 110948

Ion	Ratio	Lower	Upper
139	100		
109	69.3	47.0	87.0
65	88.3	64.3	104.3



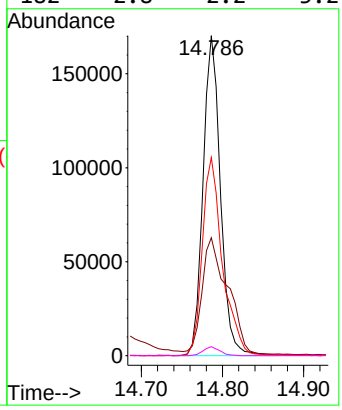


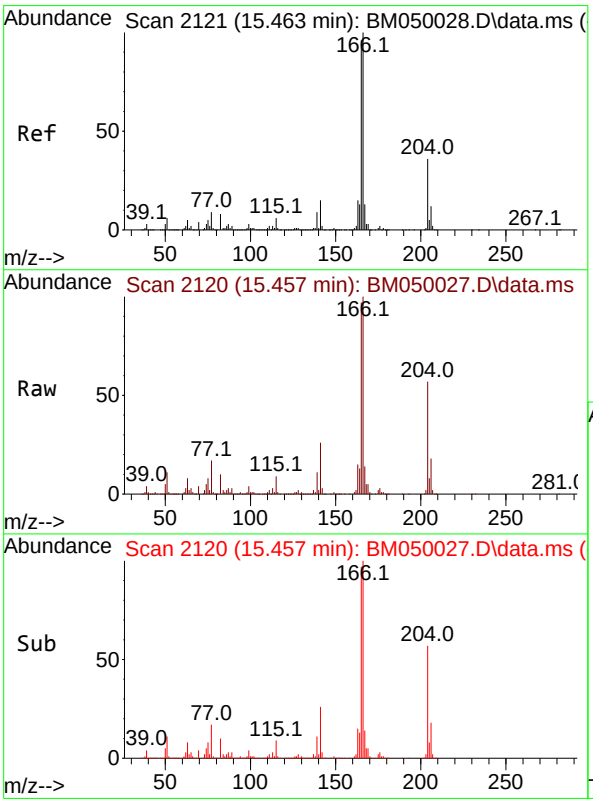
#57
2,4-Dinitrotoluene
Concen: 19.685 ng
RT: 14.786 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 252994

Ion	Ratio	Lower	Upper
165	100		
63	36.9	29.0	43.6
89	61.9	49.4	74.2
182	2.8	2.2	3.2

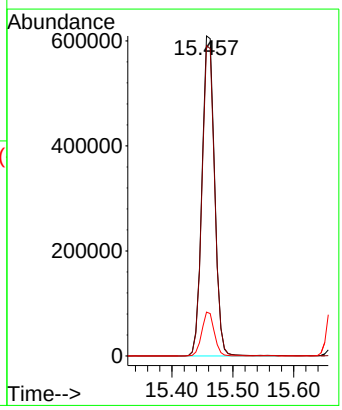


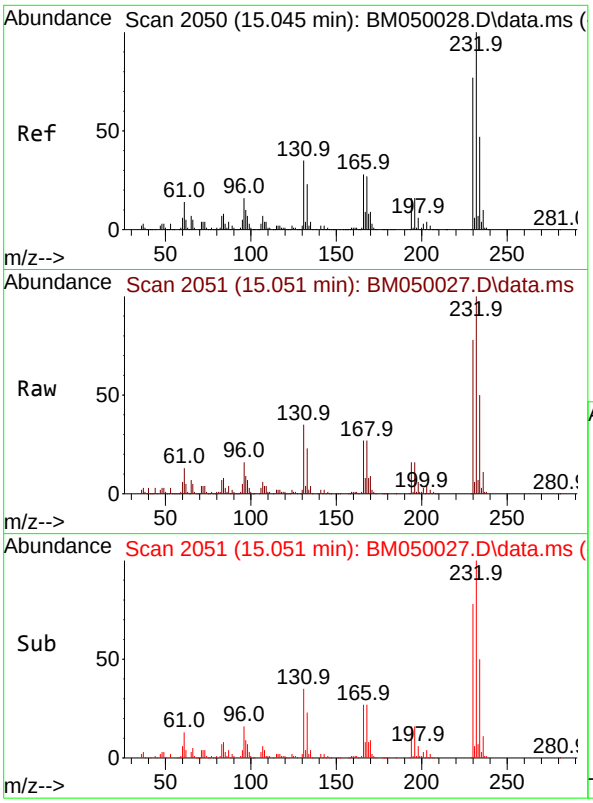


#58
Fluorene
Concen: 19.553 ng
RT: 15.457 min Scan# 2120
Delta R.T. -0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:166 Resp: 879470

Ion	Ratio	Lower	Upper
166	100		
165	97.0	76.6	115.0
167	13.7	10.6	16.0



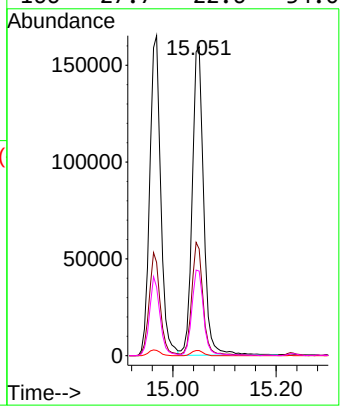


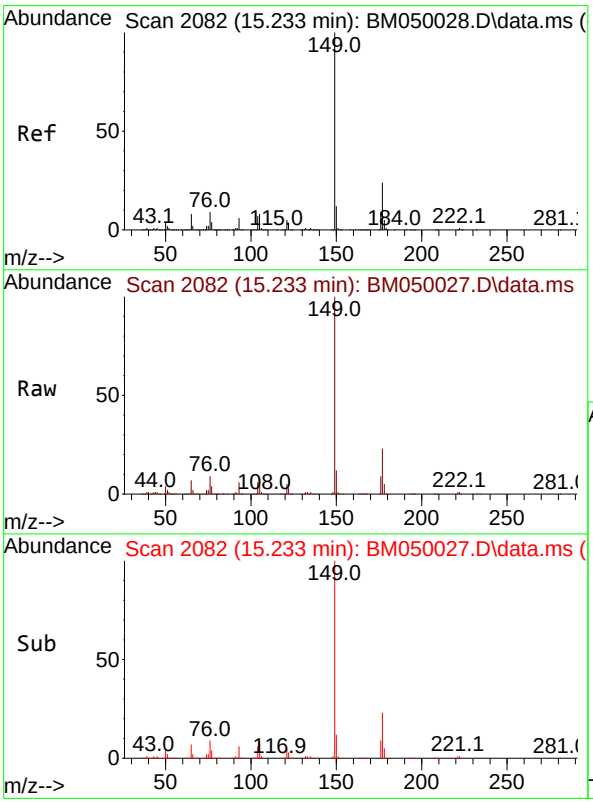
#59
2,3,4,6-Tetrachlorophenol
Concen: 19.442 ng
RT: 15.051 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 244928

Ion	Ratio	Lower	Upper
232	100		
131	35.9	28.2	42.4
130	1.7	1.5	2.3
166	27.7	22.6	34.0

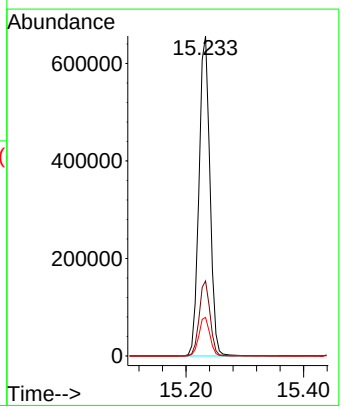


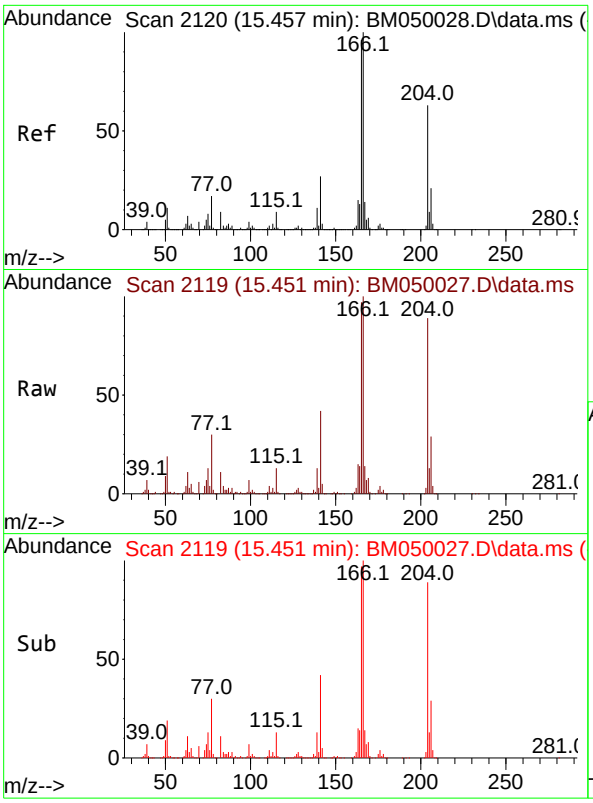


#60
Diethylphthalate
Concen: 20.034 ng
RT: 15.233 min Scan# 2082
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:149 Resp: 848021

Ion	Ratio	Lower	Upper
149	100		
177	23.5	19.1	28.7
150	12.1	9.6	14.4



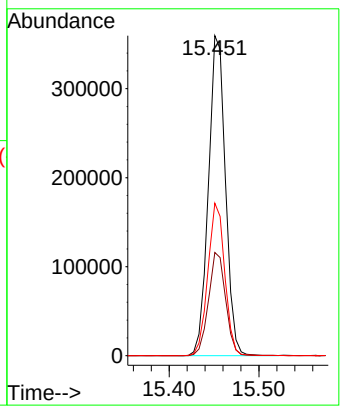


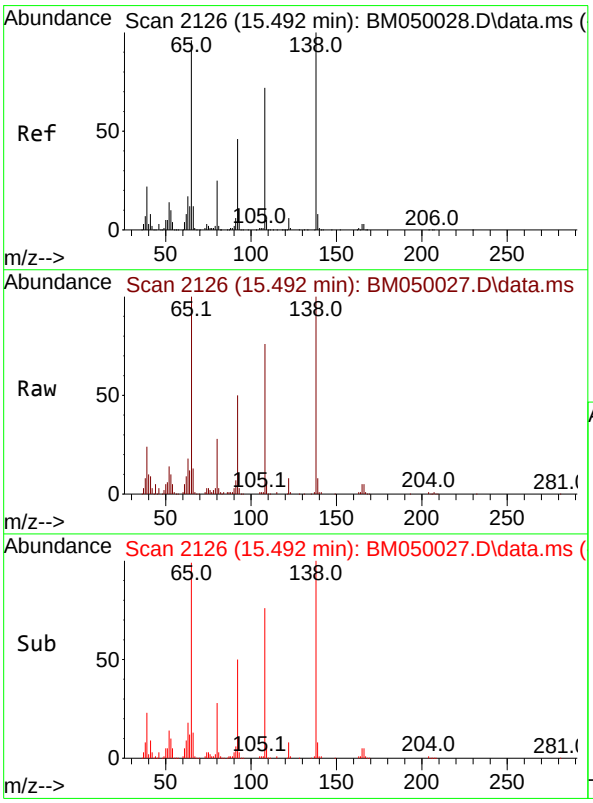
#61
4-Chlorophenyl-phenylether
Concen: 19.157 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 473276

Ion	Ratio	Lower	Upper
204	100		
206	32.3	26.3	39.5
141	47.7	34.0	51.0

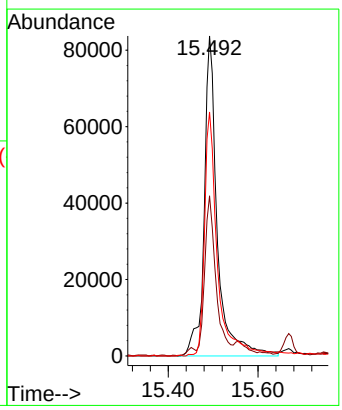


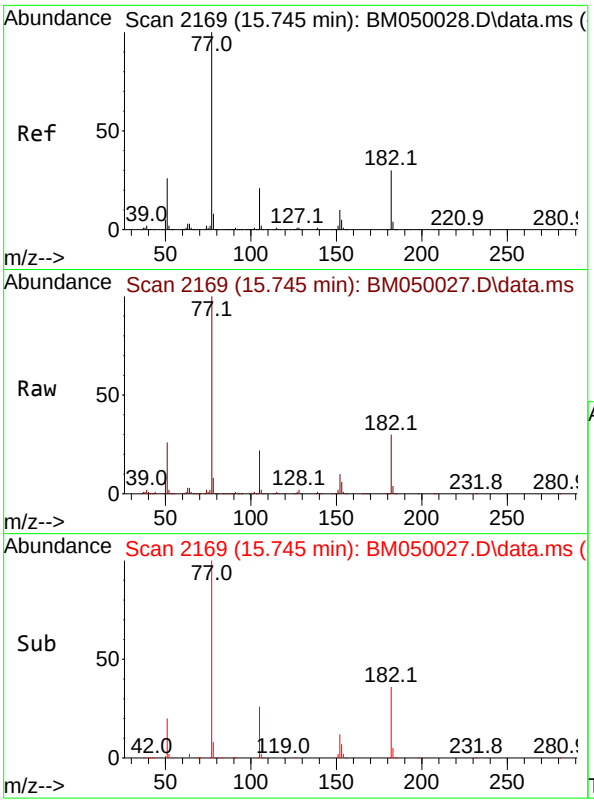


#62
4-Nitroaniline
Concen: 19.880 ng
RT: 15.492 min Scan# 2126
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:138 Resp: 170438

Ion	Ratio	Lower	Upper
138	100		
92	50.0	25.9	65.9
108	76.3	52.4	92.4



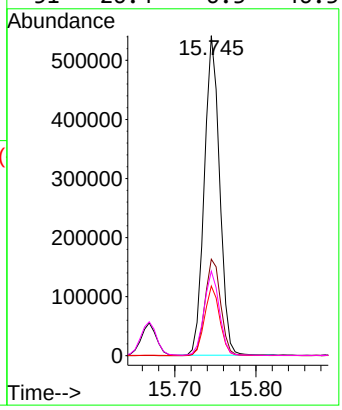


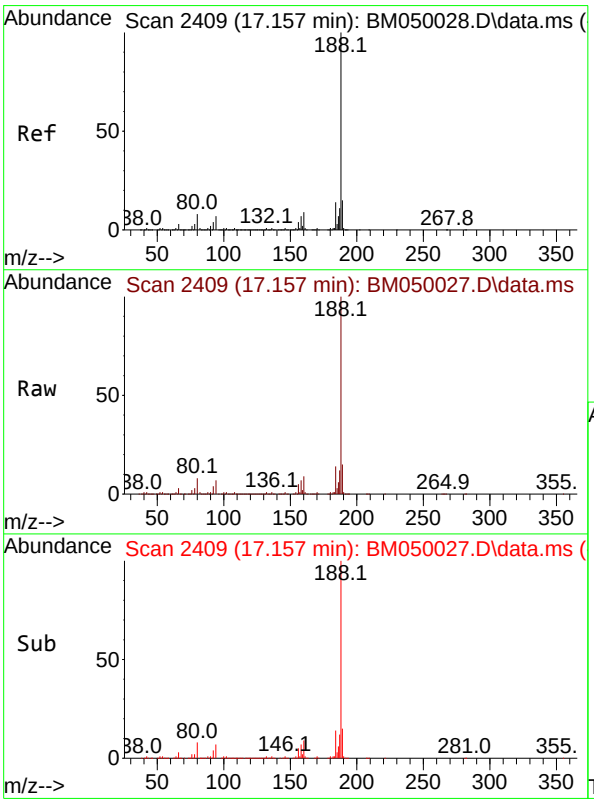
#63
Azobenzene
Concen: 19.930 ng
RT: 15.745 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 707026

Ion	Ratio	Lower	Upper
77	100		
182	30.2	10.5	50.5
105	21.8	1.1	41.1
51	26.4	6.3	46.3

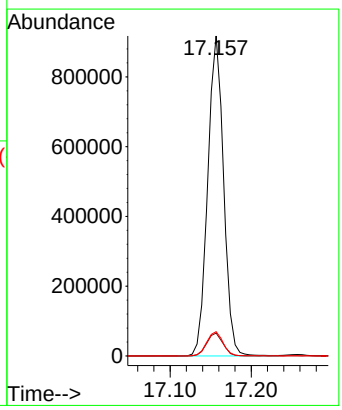


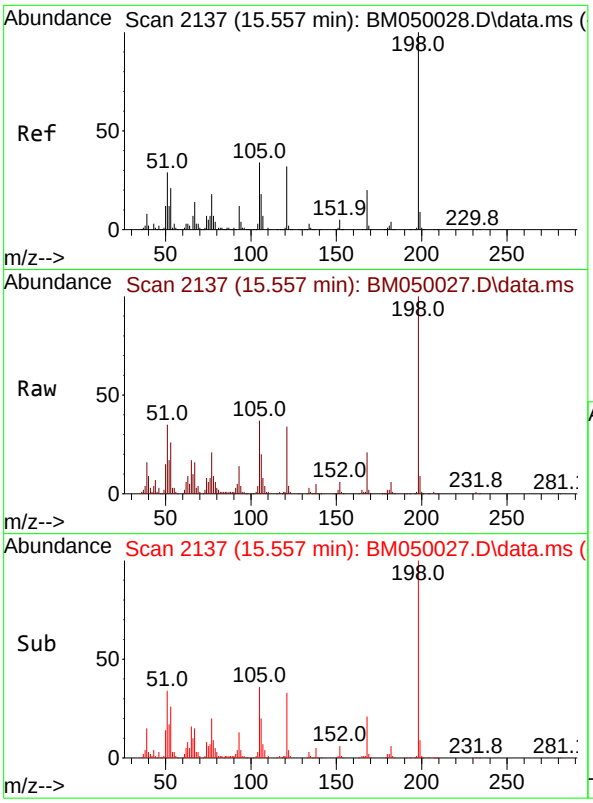


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:188 Resp: 1244440

Ion	Ratio	Lower	Upper
188	100		
94	7.1	5.7	8.5
80	7.6	6.2	9.4



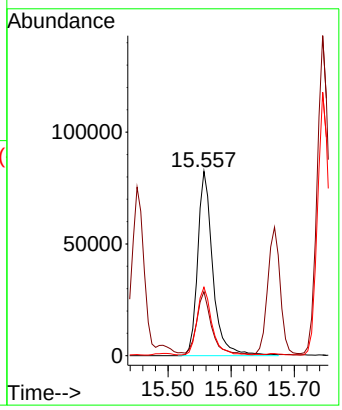


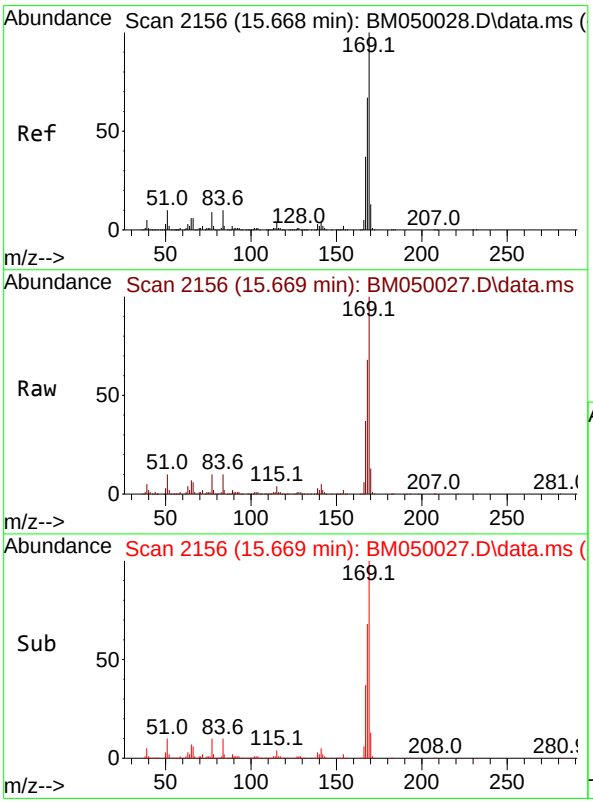
#65
4,6-Dinitro-2-methylphenol
Concen: 17.576 ng
RT: 15.557 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 136910

Ion	Ratio	Lower	Upper
198	100		
51	34.7	10.4	50.4
105	37.2	14.6	54.6

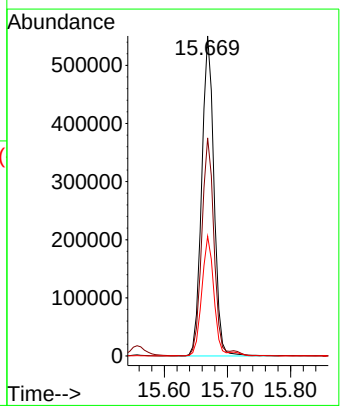


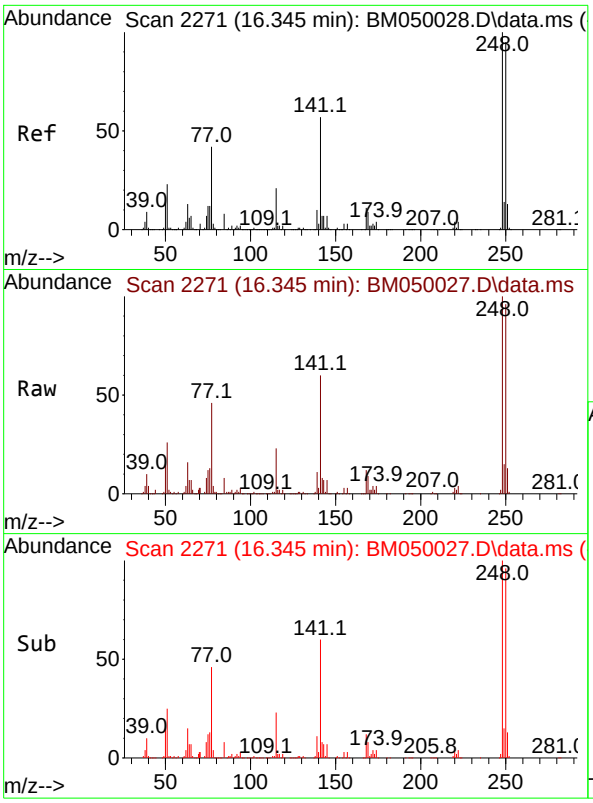


#66
n-Nitrosodiphenylamine
Concen: 19.415 ng
RT: 15.669 min Scan# 2156
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:169 Resp: 741920

Ion	Ratio	Lower	Upper
169	100		
168	68.2	53.4	80.2
167	37.4	29.4	44.0



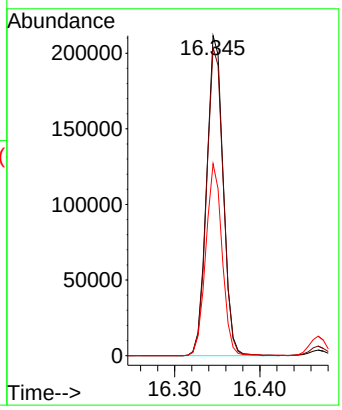


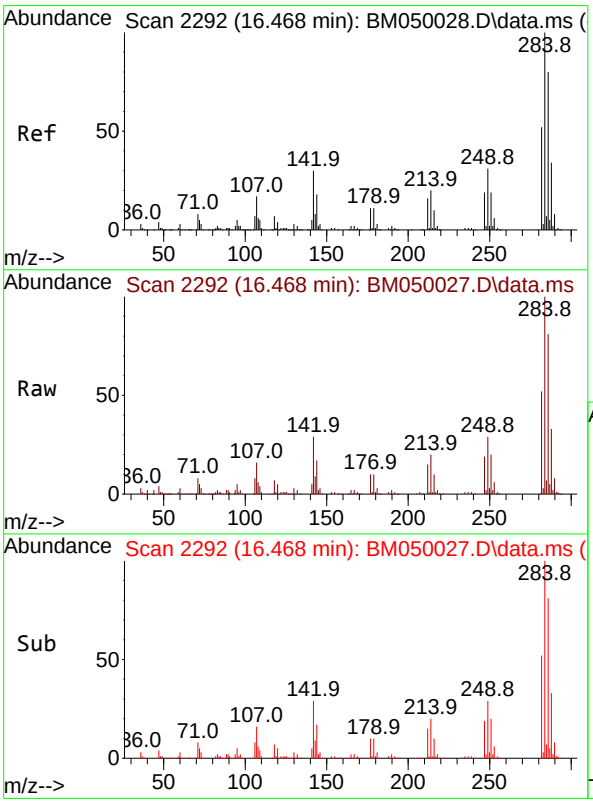
#67
4-Bromophenyl-phenylether
Concen: 18.962 ng
RT: 16.345 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 285352

Ion	Ratio	Lower	Upper
248	100		
250	96.3	76.2	114.2
141	60.0	45.9	68.9

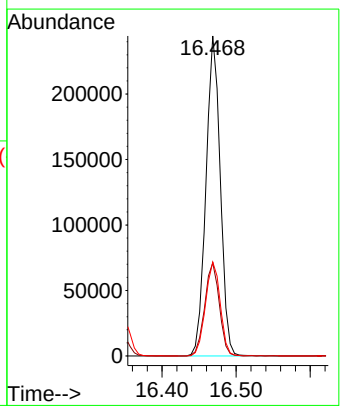


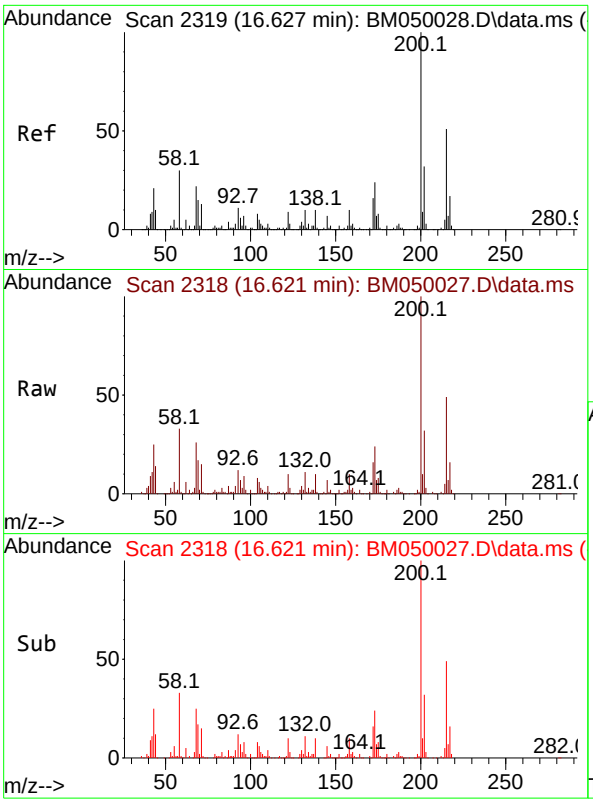


#68
Hexachlorobenzene
Concen: 18.903 ng
RT: 16.468 min Scan# 2292
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:284 Resp: 327912

Ion	Ratio	Lower	Upper
284	100		
142	29.1	23.9	35.9
249	29.3	24.5	36.7



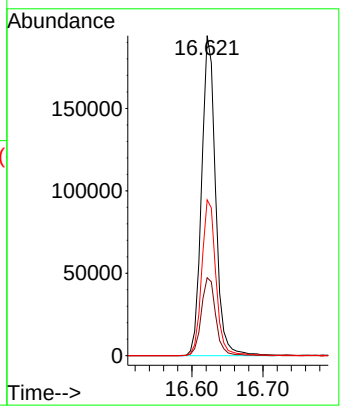


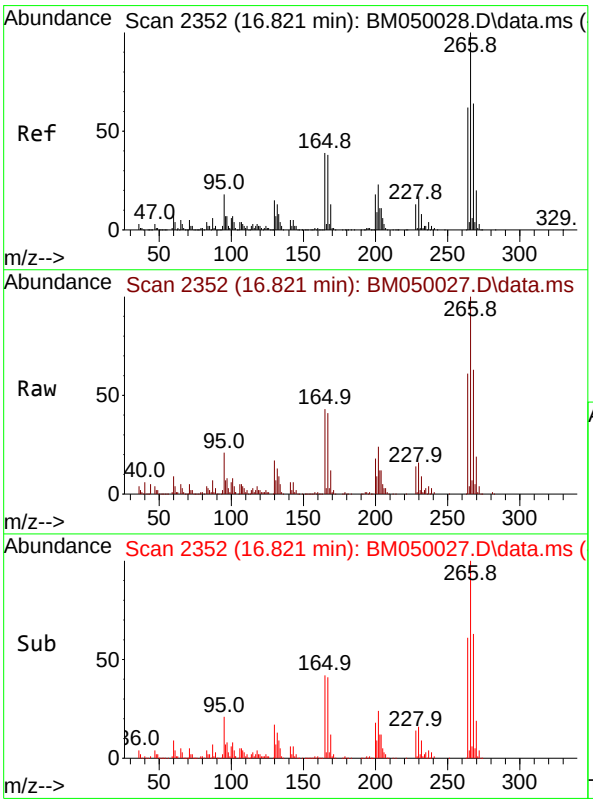
#69
Atrazine
Concen: 19.303 ng
RT: 16.621 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 266068

Ion	Ratio	Lower	Upper
200	100		
173	24.3	4.3	44.3
215	48.7	30.6	70.6

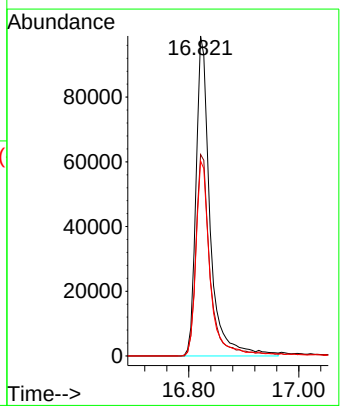


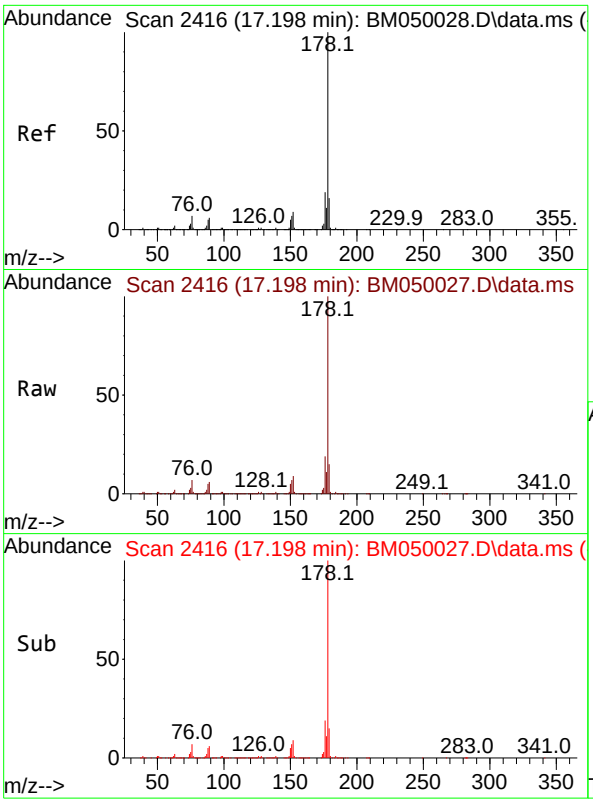


#70
Pentachlorophenol
Concen: 18.004 ng
RT: 16.821 min Scan# 2352
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:266 Resp: 175794

Ion	Ratio	Lower	Upper
266	100		
268	63.0	51.2	76.8
264	60.9	49.6	74.4



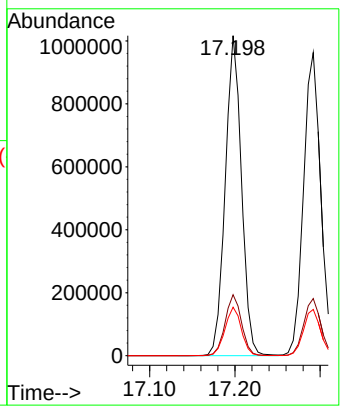


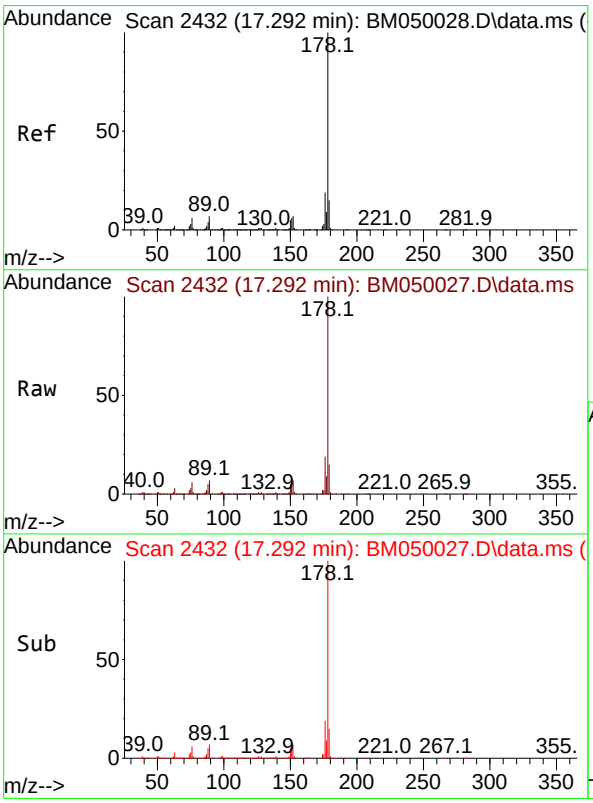
#71
Phenanthrene
Concen: 19.208 ng
RT: 17.198 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 1348190

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.1	12.4	18.6

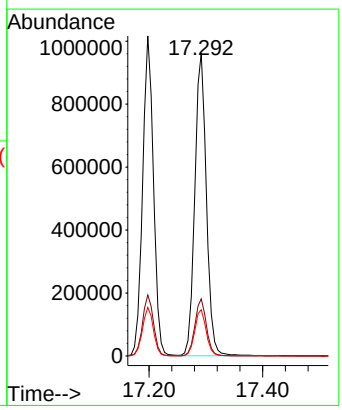


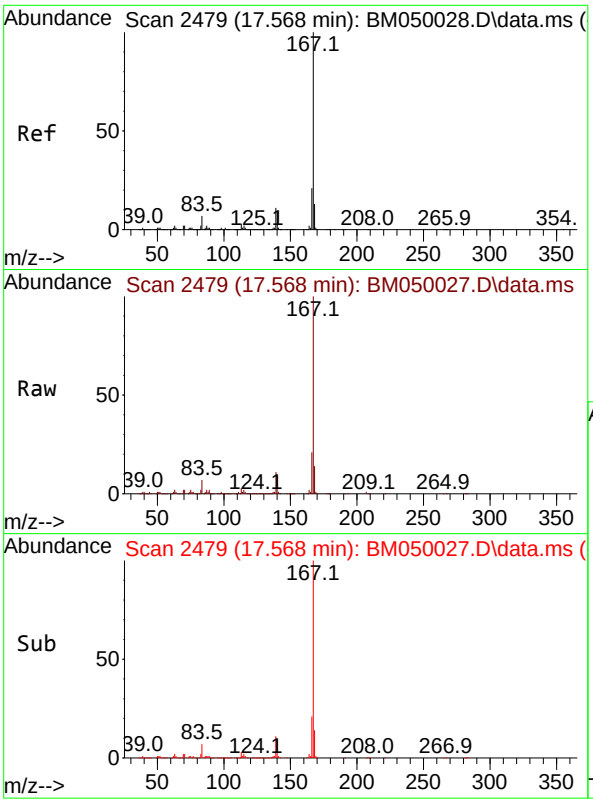


#72
Anthracene
Concen: 19.210 ng
RT: 17.292 min Scan# 2432
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:178 Resp: 1364462

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	15.3	12.2	18.4



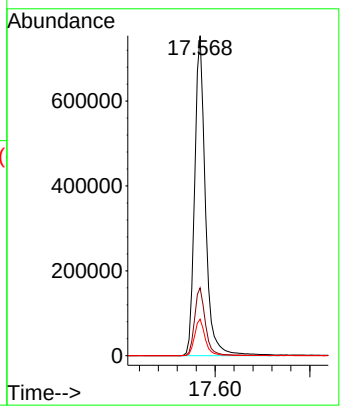


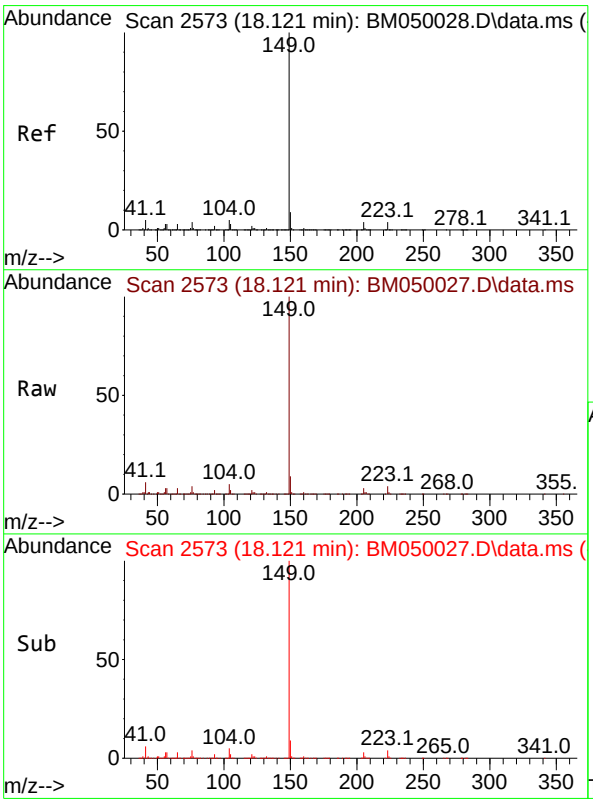
#73
Carbazole
Concen: 19.377 ng
RT: 17.568 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 1194316

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.2	25.8
139	11.4	9.0	13.6

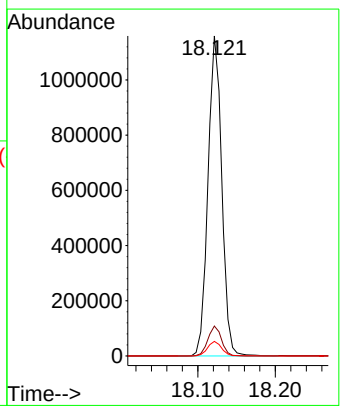


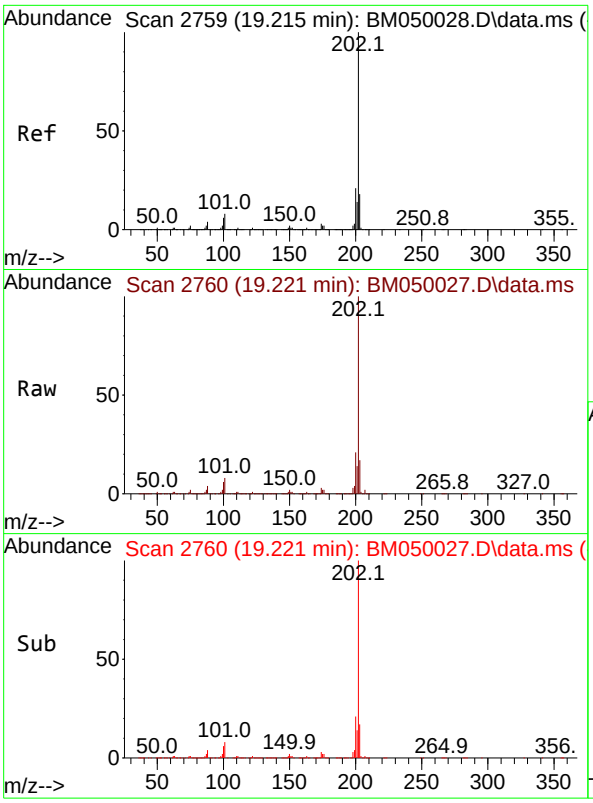


#74
Di-n-butylphthalate
Concen: 19.519 ng
RT: 18.121 min Scan# 2573
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:149 Resp: 1432688

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.3	10.9
104	4.6	3.8	5.6



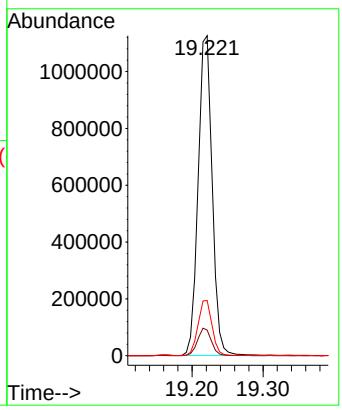


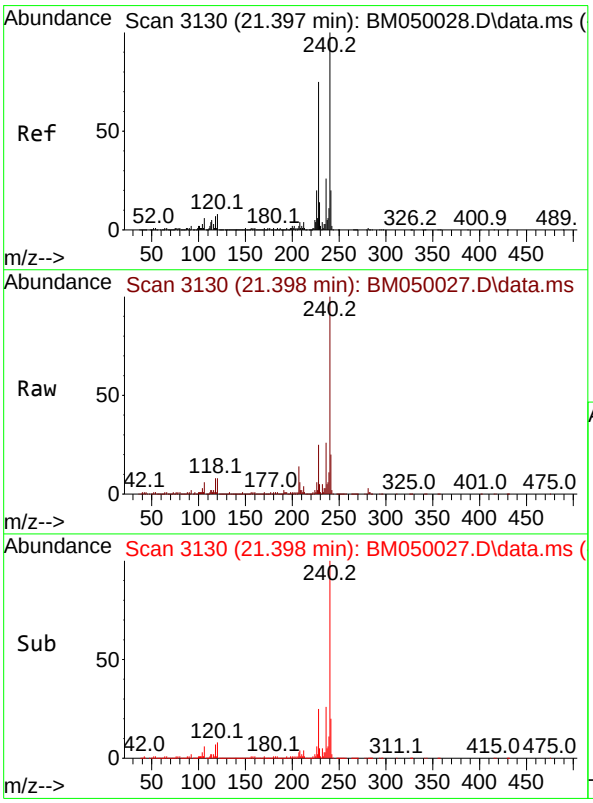
#75
Fluoranthene
Concen: 18.872 ng
RT: 19.221 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 1555160

Ion	Ratio	Lower	Upper
202	100		
101	8.0	0.0	28.0
203	17.2	0.0	37.7

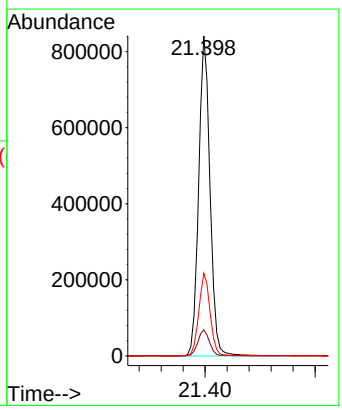


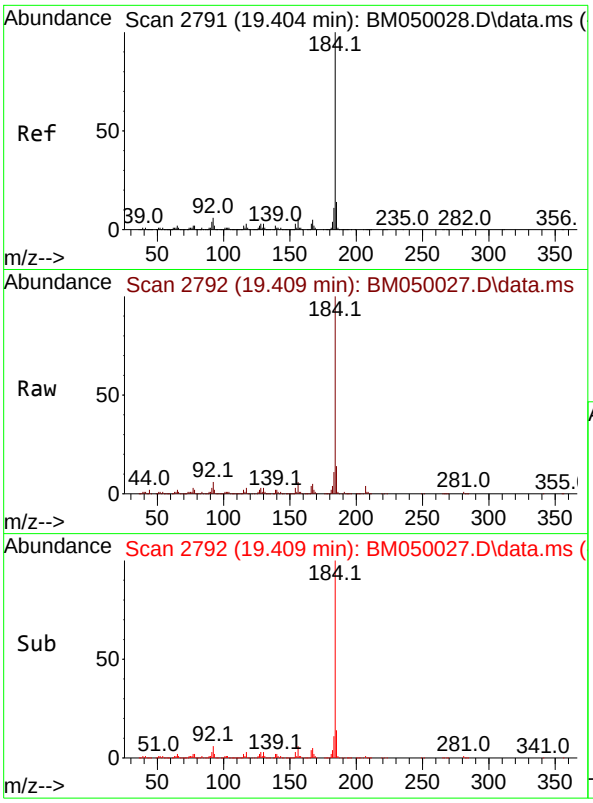


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.398 min Scan# 3130
Delta R.T. 0.001 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:240 Resp: 1204355

Ion	Ratio	Lower	Upper
240	100		
120	8.2	6.5	9.7
236	25.9	20.9	31.3



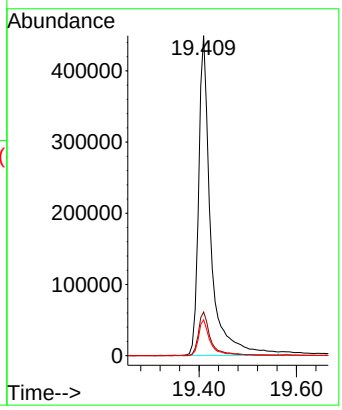


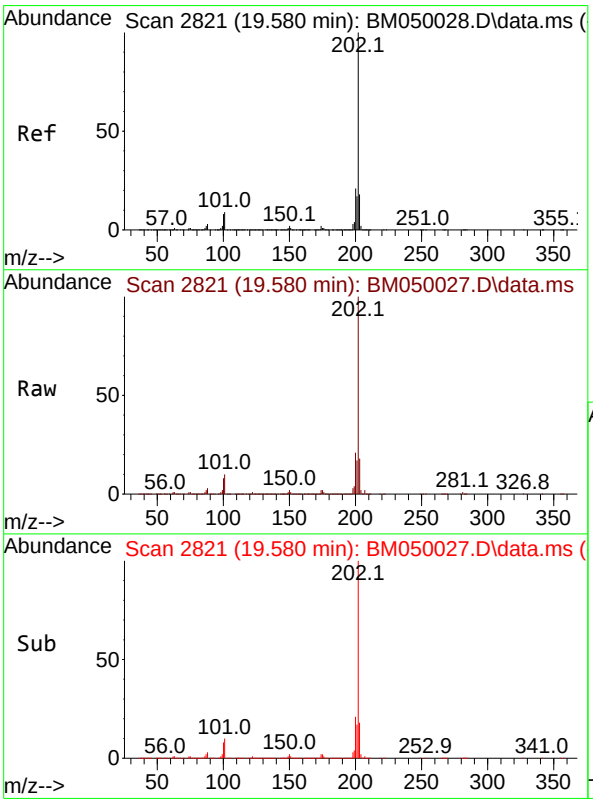
#77
Benzidine
Concen: 18.175 ng
RT: 19.409 min Scan# 2
Delta R.T. 0.005 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 777502

Ion	Ratio	Lower	Upper
184	100		
185	13.7	11.5	17.3
183	11.2	8.9	13.3

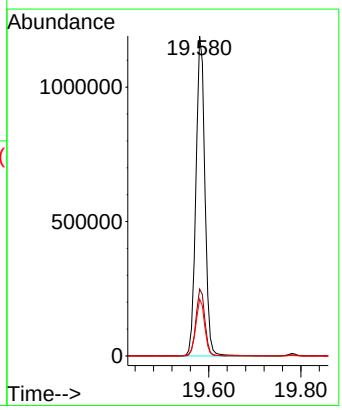


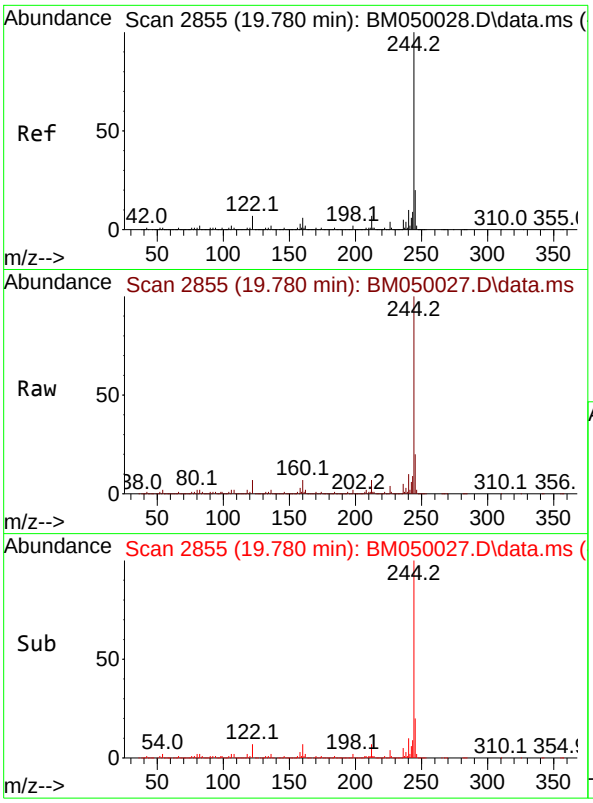


#78
Pyrene
Concen: 18.964 ng
RT: 19.580 min Scan# 2821
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:202 Resp: 1603874

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.8	14.1	21.1



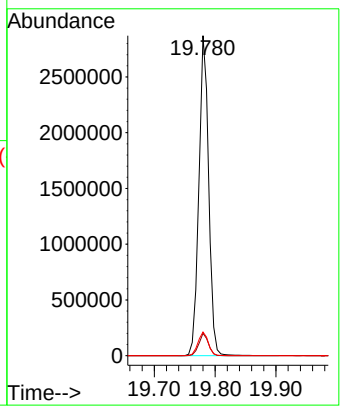


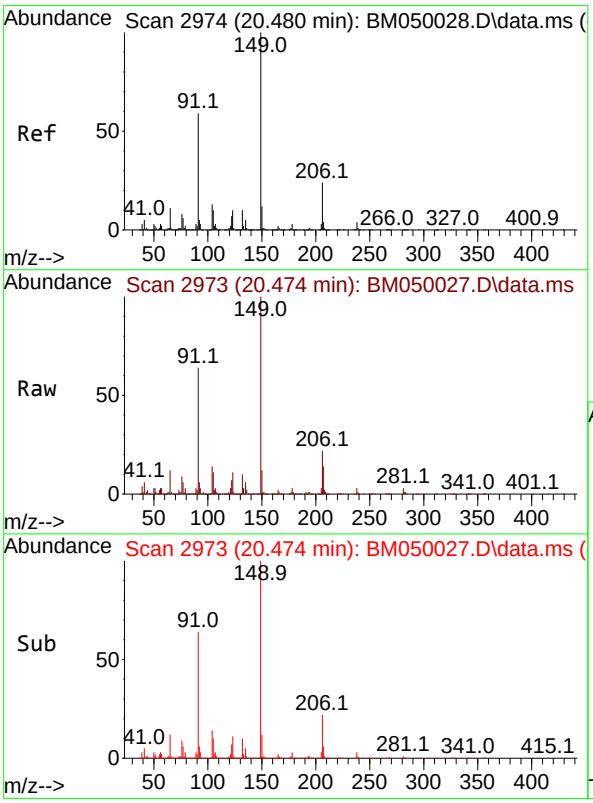
#79
Terphenyl-d14
Concen: 39.418 ng
RT: 19.780 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 3208242

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

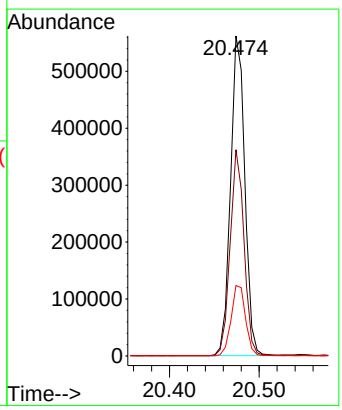


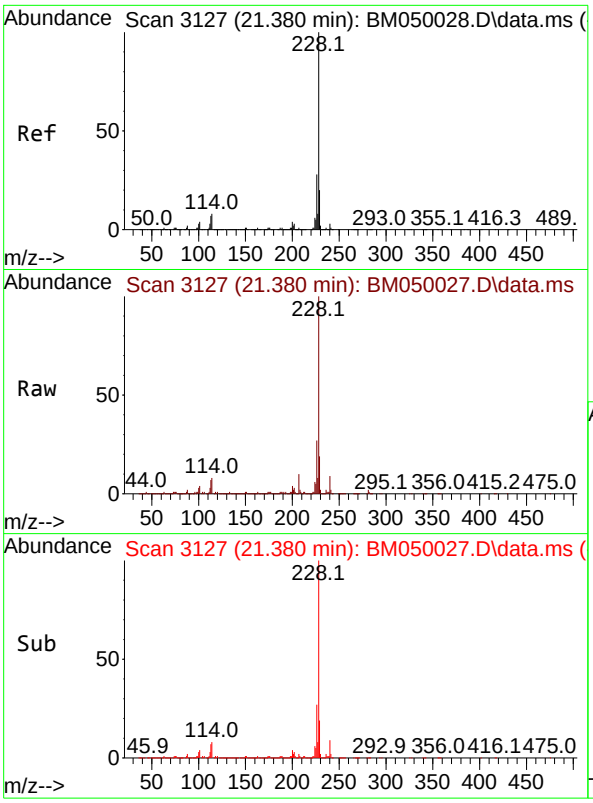


#80
Butylbenzylphthalate
Concen: 19.597 ng
RT: 20.474 min Scan# 2973
Delta R.T. -0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:149 Resp: 620751

Ion	Ratio	Lower	Upper
149	100		
91	64.4	47.4	71.2
206	22.0	19.4	29.0



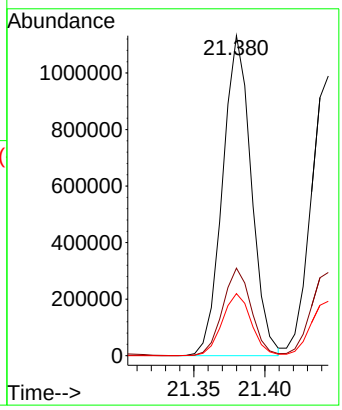


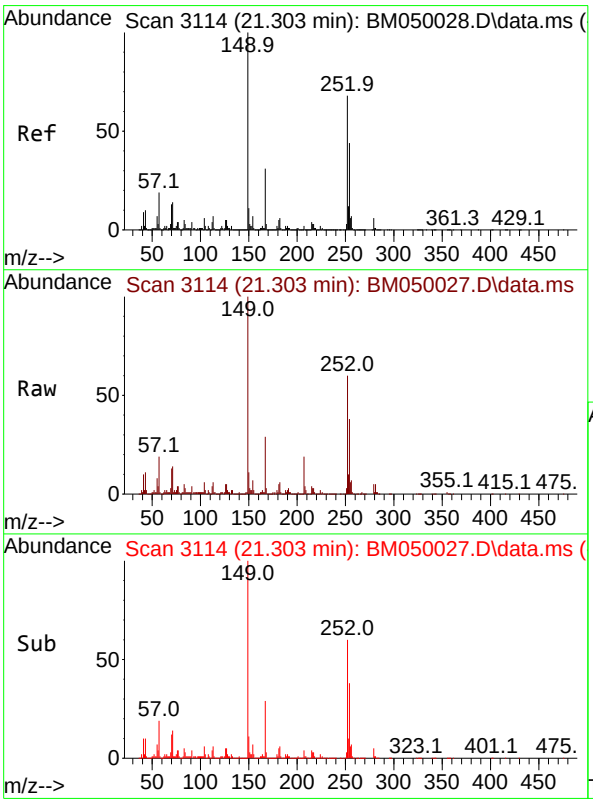
#81
Benzo(a)anthracene
Concen: 19.187 ng
RT: 21.380 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 1591290

Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.1	33.1
229	19.4	15.7	23.5

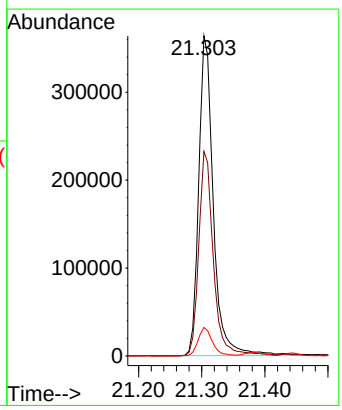


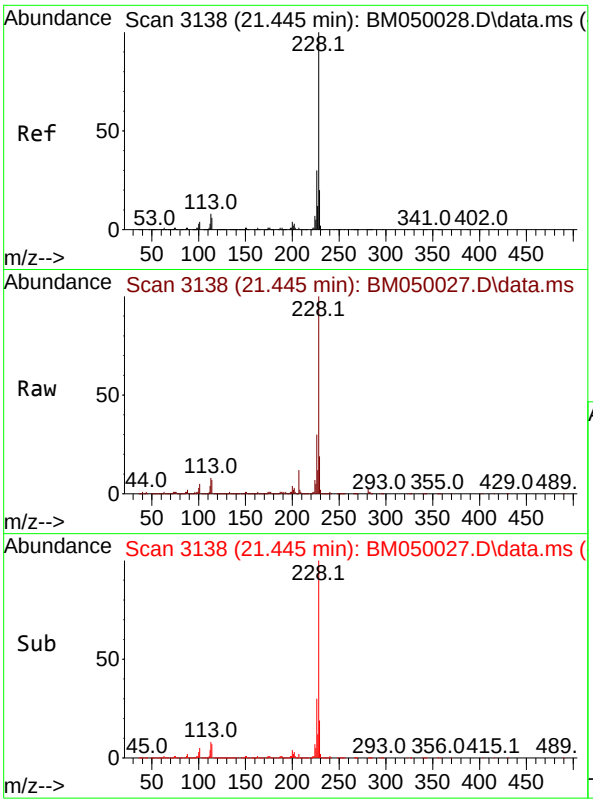


#82
3,3'-Dichlorobenzidine
Concen: 18.333 ng
RT: 21.303 min Scan# 3114
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:252 Resp: 582038

Ion	Ratio	Lower	Upper
252	100		
254	63.9	51.8	77.6
126	8.9	6.0	9.0



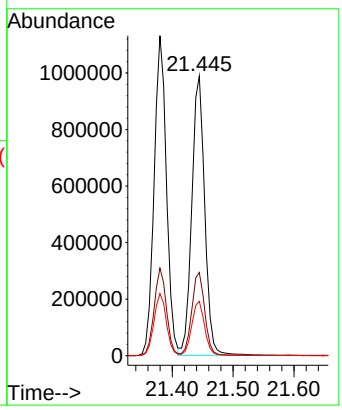


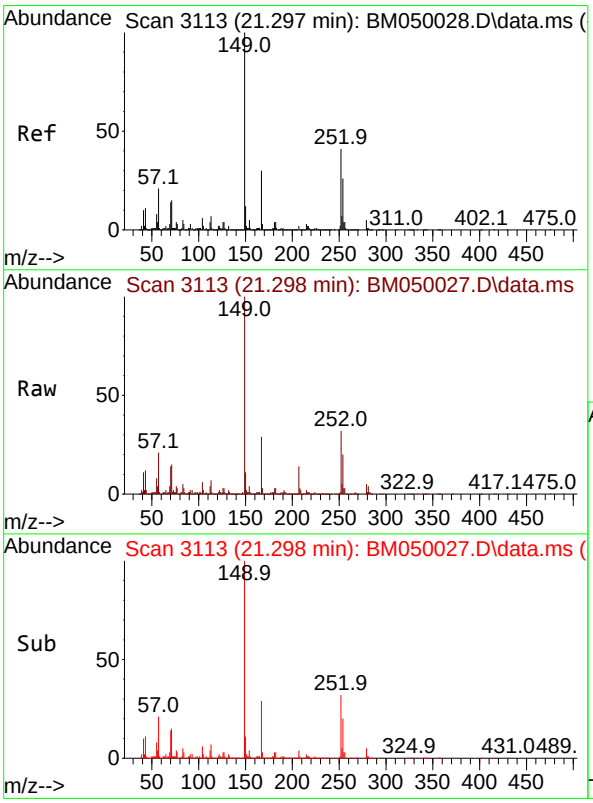
#83
Chrysene
Concen: 19.044 ng
RT: 21.445 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 1461777

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.2	36.2
229	19.5	15.7	23.5

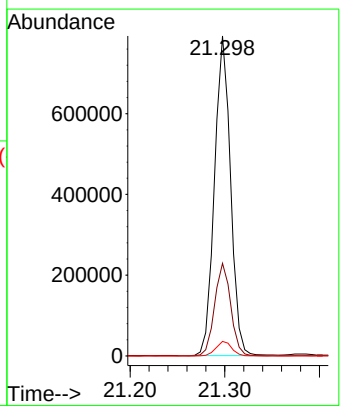


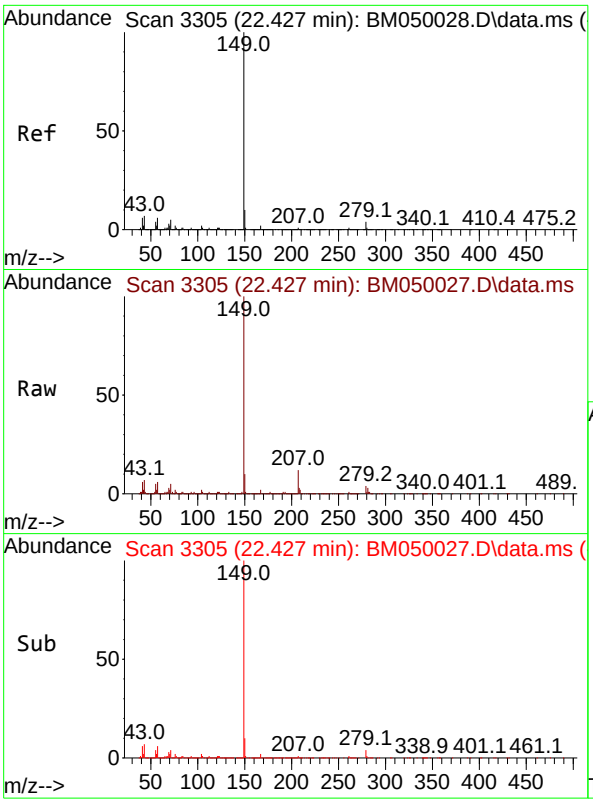


#84
Bis(2-ethylhexyl)phthalate
Concen: 19.730 ng
RT: 21.298 min Scan# 3113
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:149 Resp: 933505

Ion	Ratio	Lower	Upper
149	100		
167	29.0	24.1	36.1
279	4.6	3.9	5.9



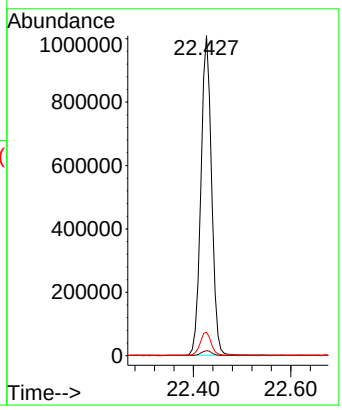


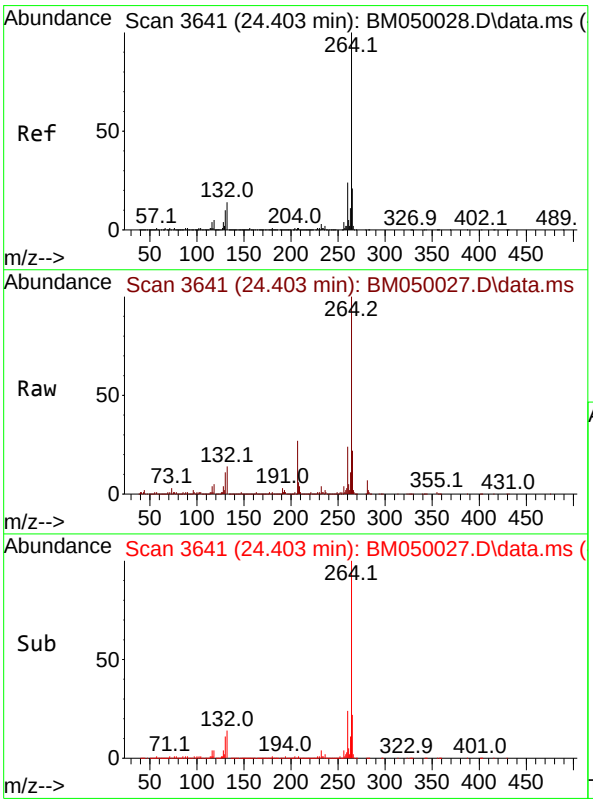
#85
Di-n-octyl phthalate
Concen: 19.552 ng
RT: 22.427 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 1525599

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.4	5.8	8.8

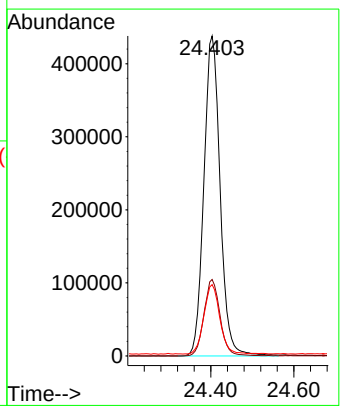


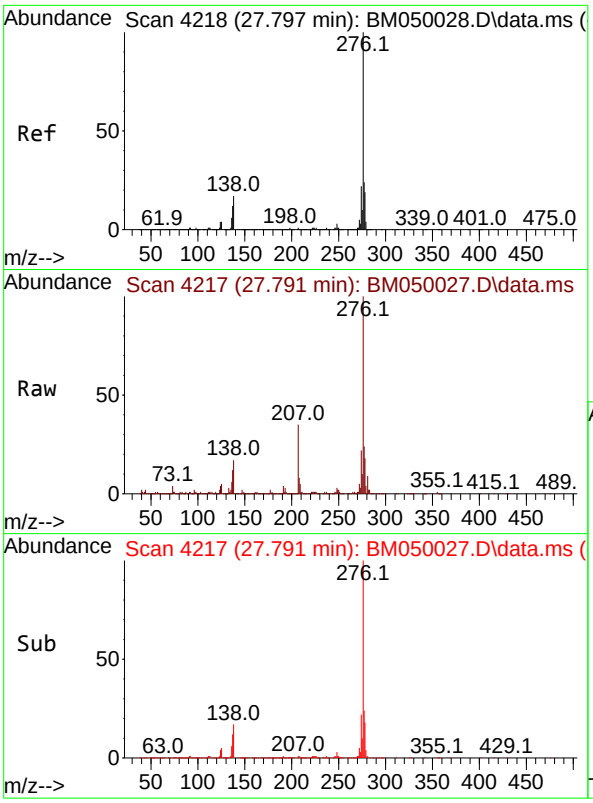


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3641
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:264 Resp: 1191041

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.8	28.2
265	22.3	17.0	25.4



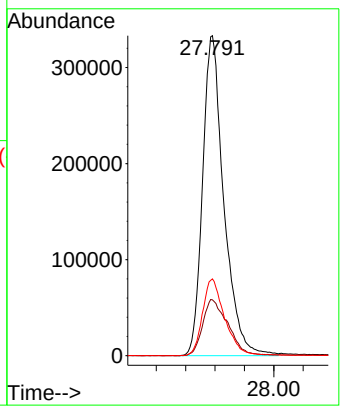


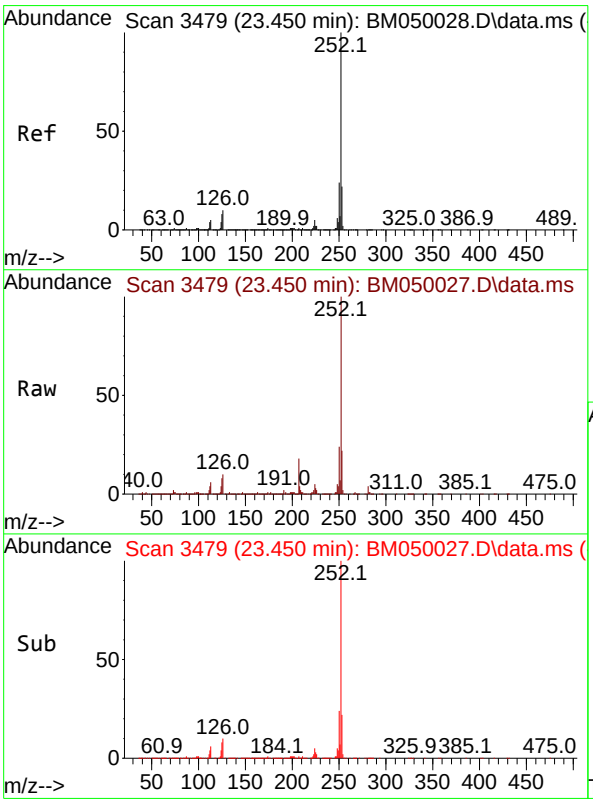
#87
Indeno(1,2,3-cd)pyrene
Concen: 18.840 ng
RT: 27.791 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 1671967

Ion	Ratio	Lower	Upper
276	100		
138	20.9	16.4	24.6
277	25.0	19.8	29.8

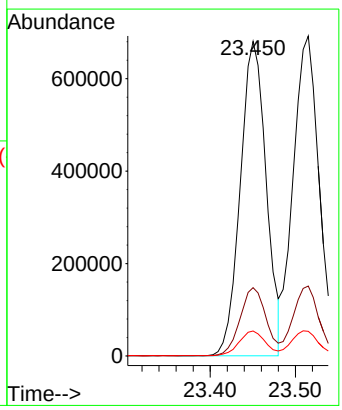


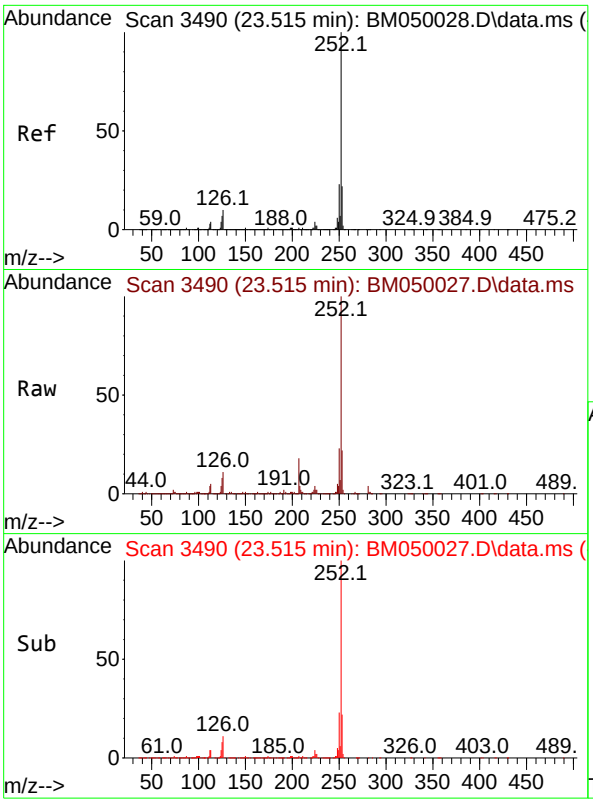


#88
Benzo(b)fluoranthene
Concen: 18.588 ng
RT: 23.450 min Scan# 3479
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:252 Resp: 1439776

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	7.9	6.1	9.1



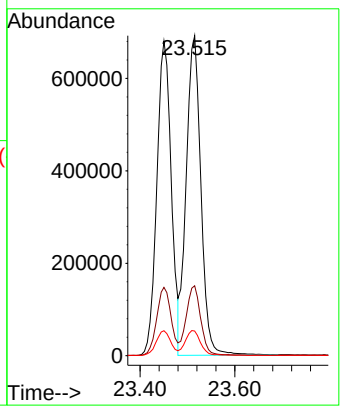


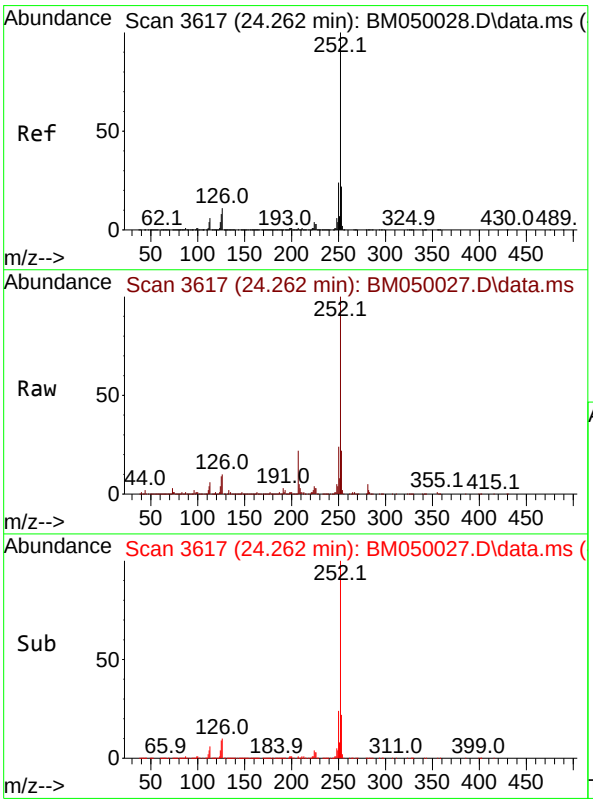
#89
Benzo(k)fluoranthene
Concen: 19.005 ng
RT: 23.515 min Scan# 34
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 1489410

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	7.7	5.8	8.8

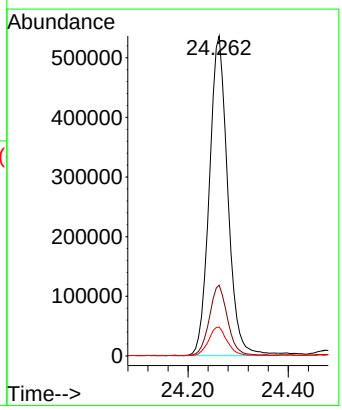


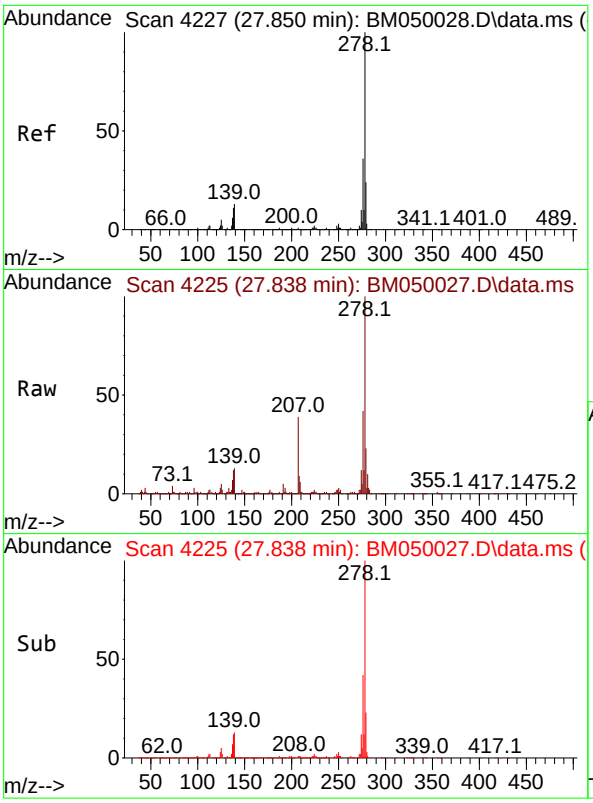


#90
Benzo(a)pyrene
Concen: 18.825 ng
RT: 24.262 min Scan# 3617
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:252 Resp: 1365706

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.0
125	9.0	6.6	9.8



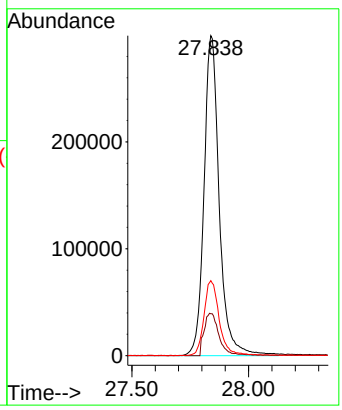


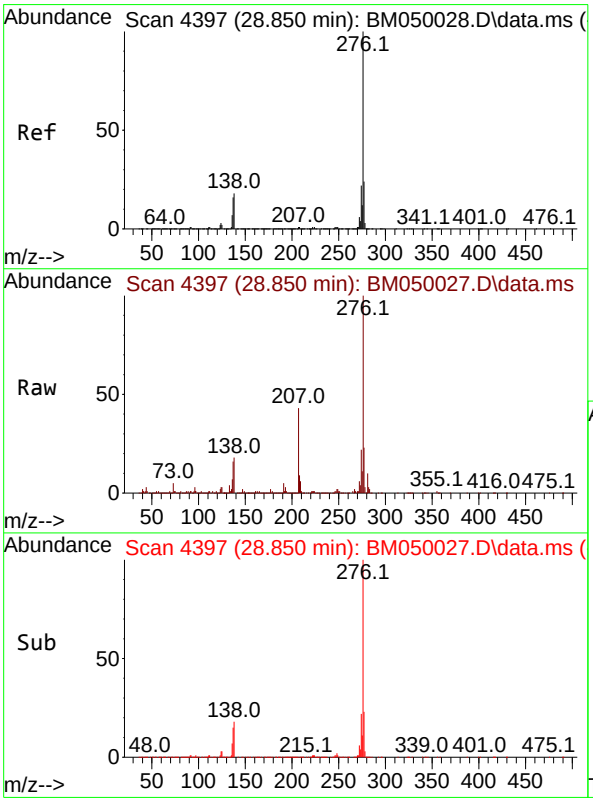
#91
Dibenzo(a,h)anthracene
Concen: 18.803 ng
RT: 27.838 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 1360269

Ion	Ratio	Lower	Upper
278	100		
139	13.1	10.5	15.7
279	23.4	19.4	29.0

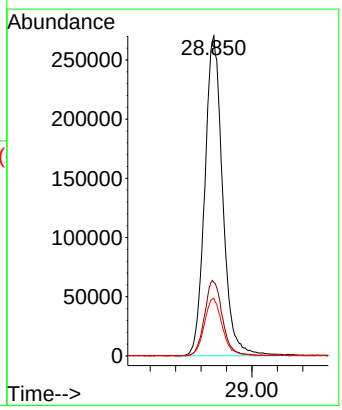




#92
Benzo(g,h,i)perylene
Concen: 19.008 ng
RT: 28.850 min Scan# 4397
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:276 Resp: 1316513

Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.1	28.7
138	18.1	14.3	21.5



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050032.D
Acq On : 28 Apr 2025 17:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Quant Time: Apr 28 18:14:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	230127	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	877692	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	605832	20.000	ng	0.00
64) Phenanthrene-d10	17.156	188	1251563	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1285998	20.000	ng	0.00
86) Perylene-d12	24.397	264	1266367	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1155553	87.928	ng	0.00
7) Phenol-d6	6.951	99	1488919	90.140	ng	0.00
23) Nitrobenzene-d5	8.928	82	1385703	77.798	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	810732	90.503	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	3905385	76.259	ng	0.00
79) Terphenyl-d14	19.780	244	6863055	78.970	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.257	88	253433	44.976	ng	99
3) Pyridine	3.657	79	673723	46.534	ng	98
4) n-Nitrosodimethylamine	3.569	42	260951	45.956	ng	99
6) Aniline	7.098	93	974989	46.744	ng	98
8) 2-Chlorophenol	7.339	128	649705	45.724	ng	99
9) Benzaldehyde	6.910	77	490844	44.405	ng	99
10) Phenol	6.981	94	784469	46.913	ng	98
11) bis(2-Chloroethyl)ether	7.192	93	635601	45.521	ng	98
12) 1,3-Dichlorobenzene	7.657	146	766772	44.672	ng	99
13) 1,4-Dichlorobenzene	7.804	146	774954	44.941	ng	100
14) 1,2-Dichlorobenzene	8.122	146	752460	45.174	ng	100
15) Benzyl Alcohol	8.016	79	551757	48.167	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.298	45	762583	44.929	ng	99
17) 2-Methylphenol	8.222	107	519426	47.153	ng	99
18) Hexachloroethane	8.845	117	274239	44.738	ng	99
19) n-Nitroso-di-n-propyla...	8.575	70	507362	47.892	ng	99
20) 3+4-Methylphenols	8.551	107	713683	47.974	ng	97
22) Acetophenone	8.592	105	985275	45.153	ng	100
24) Nitrobenzene	8.969	77	694640	45.104	ng	99
25) Isophorone	9.498	82	1384372	45.596	ng	99
26) 2-Nitrophenol	9.681	139	370477	47.087	ng	99
27) 2,4-Dimethylphenol	9.751	122	605475	46.404	ng	100
28) bis(2-Chloroethoxy)met...	9.975	93	842968	44.920	ng	100
29) 2,4-Dichlorophenol	10.228	162	677885	46.375	ng	99
30) 1,2,4-Trichlorobenzene	10.428	180	789816	44.348	ng	100
31) Naphthalene	10.610	128	1984698	44.651	ng	100
32) Benzoic acid	9.916	122	384400	46.063	ng	98
33) 4-Chloroaniline	10.727	127	863111	47.375	ng	99
34) Hexachlorobutadiene	10.898	225	497792	44.034	ng	99
35) Caprolactam	11.522	113	198108	46.481	ng	95
36) 4-Chloro-3-methylphenol	11.869	107	632365	46.825	ng	100
37) 2-Methylnaphthalene	12.227	142	1352170	45.374	ng	100
38) 1-Methylnaphthalene	12.445	142	1425407	45.198	ng	100
40) 1,2,4,5-Tetrachloroben...	12.598	216	925725	44.140	ng	100
41) Hexachlorocyclopentadiene	12.574	237	568717	44.374	ng	99
43) 2,4,6-Trichlorophenol	12.851	196	613142	46.094	ng	97

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050032.D
Acq On : 28 Apr 2025 17:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Quant Time: Apr 28 18:14:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.933	196	663718	46.271	ng	99
46) 1,1'-Biphenyl	13.239	154	1990852	44.207	ng	99
47) 2-Chloronaphthalene	13.286	162	1593769	44.684	ng	100
48) 2-Nitroaniline	13.498	65	398645	47.621	ng	99
49) Acenaphthylene	14.133	152	2548342	45.315	ng	100
50) Dimethylphthalate	13.868	163	2007342	45.338	ng	100
51) 2,6-Dinitrotoluene	13.992	165	435925	47.554	ng	98
52) Acenaphthene	14.474	154	1471672	45.210	ng	100
53) 3-Nitroaniline	14.327	138	427464	48.843	ng	99
54) 2,4-Dinitrophenol	14.545	184	249307	45.189	ng	98
55) Dibenzofuran	14.810	168	2427830	44.828	ng	99
56) 4-Nitrophenol	14.663	139	313065	46.012	ng	99
57) 2,4-Dinitrotoluene	14.786	165	611943	48.311	ng	97
58) Fluorene	15.462	166	2044284	46.115	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.045	232	583198	46.970	ng	98
60) Diethylphthalate	15.233	149	1889827	45.299	ng	99
61) 4-Chlorophenyl-phenyle...	15.457	204	1118837	45.950	ng	99
62) 4-Nitroaniline	15.492	138	427339	50.610	ng	100
63) Azobenzene	15.745	77	1599489	45.747	ng	100
65) 4,6-Dinitro-2-methylph...	15.557	198	367586	46.920	ng	97
66) n-Nitrosodiphenylamine	15.668	169	1709666	44.485	ng	100
67) 4-Bromophenyl-phenylether	16.345	248	665088	43.944	ng	97
68) Hexachlorobenzene	16.468	284	770651	44.174	ng	98
69) Atrazine	16.627	200	616670	44.483	ng	99
70) Pentachlorophenol	16.821	266	452303	46.059	ng	99
71) Phenanthrene	17.198	178	3169143	44.895	ng	99
72) Anthracene	17.292	178	3241829	45.381	ng	100
73) Carbazole	17.562	167	2851516	46.001	ng	100
74) Di-n-butylphthalate	18.121	149	3370238	45.654	ng	100
75) Fluoranthene	19.215	202	3895046	46.998	ng	100
77) Benzidine	19.403	184	2019202	44.204	ng	100
78) Pyrene	19.580	202	3992384	44.209	ng	100
80) Butylbenzylphthalate	20.474	149	1512498	44.718	ng	96
81) Benzo(a)anthracene	21.380	228	4029064	45.497	ng	100
82) 3,3'-Dichlorobenzidine	21.303	252	1487254	43.871	ng	98
83) Chrysene	21.439	228	3685603	44.967	ng	99
84) Bis(2-ethylhexyl)phtha...	21.297	149	2284769	45.224	ng	99
85) Di-n-octyl phthalate	22.427	149	3747091	44.974	ng	100
87) Indeno(1,2,3-cd)pyrene	27.791	276	4364032	46.249	ng	99
88) Benzo(b)fluoranthene	23.450	252	3711451	45.066	ng	100
89) Benzo(k)fluoranthene	23.515	252	3813739	45.780	ng	100
90) Benzo(a)pyrene	24.262	252	3515582	45.577	ng	100
91) Dibenzo(a,h)anthracene	27.838	278	3545295	46.091	ng	100
92) Benzo(g,h,i)perylene	28.850	276	3345997	45.437	ng	100

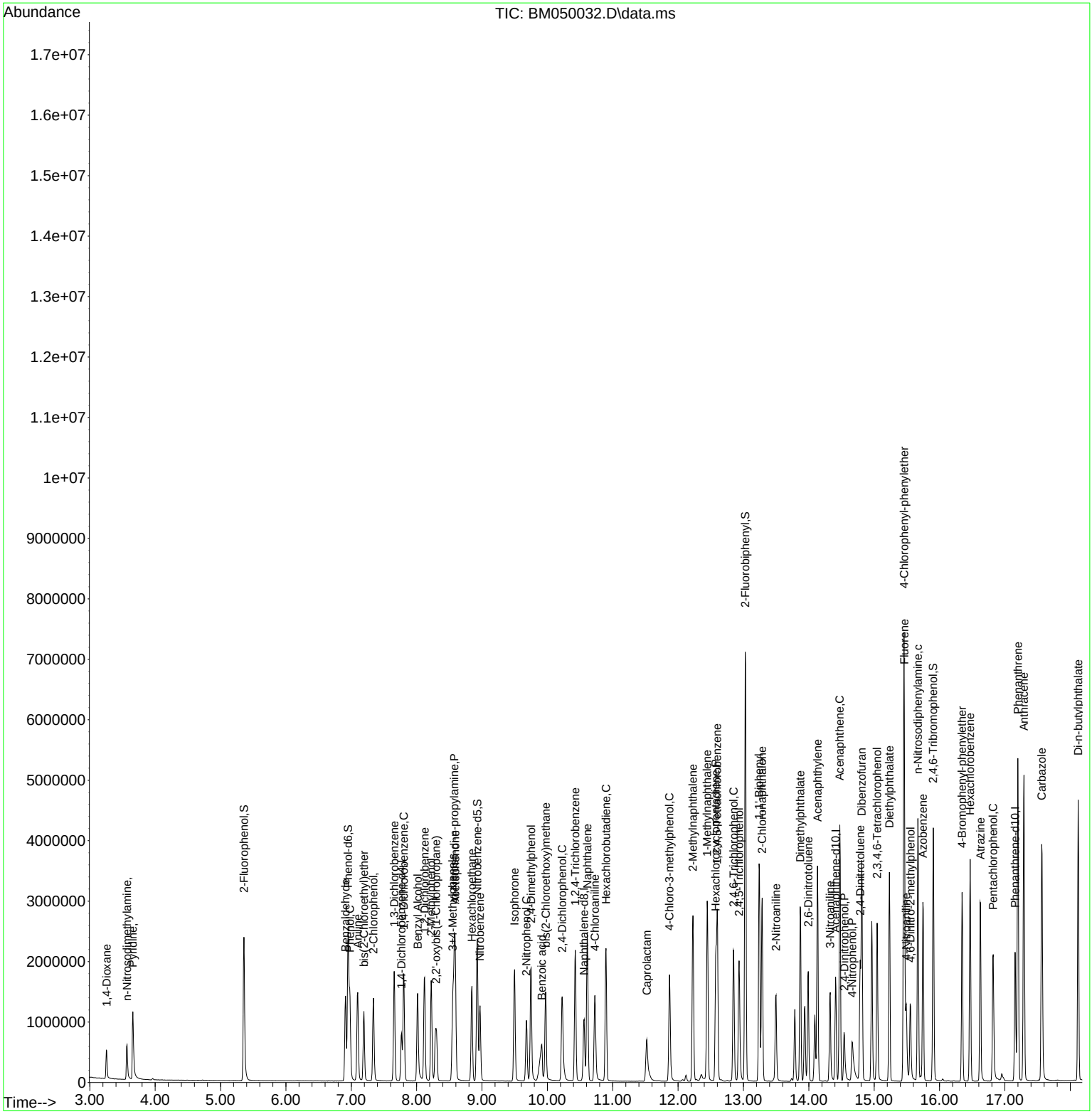
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050032.D
Acq On : 28 Apr 2025 17:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Quant Time: Apr 28 18:14:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050032.D
Acq On : 28 Apr 2025 17:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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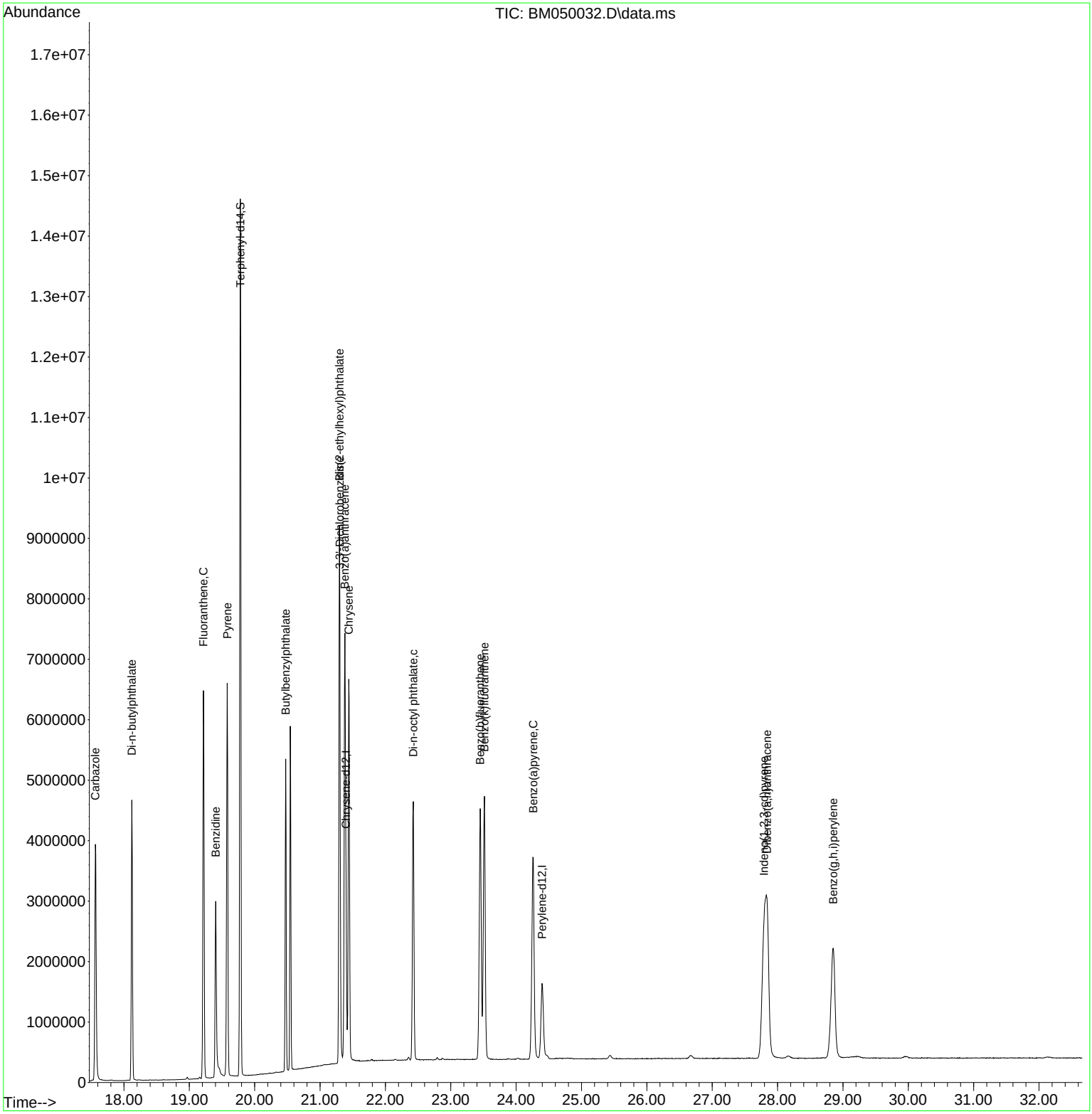
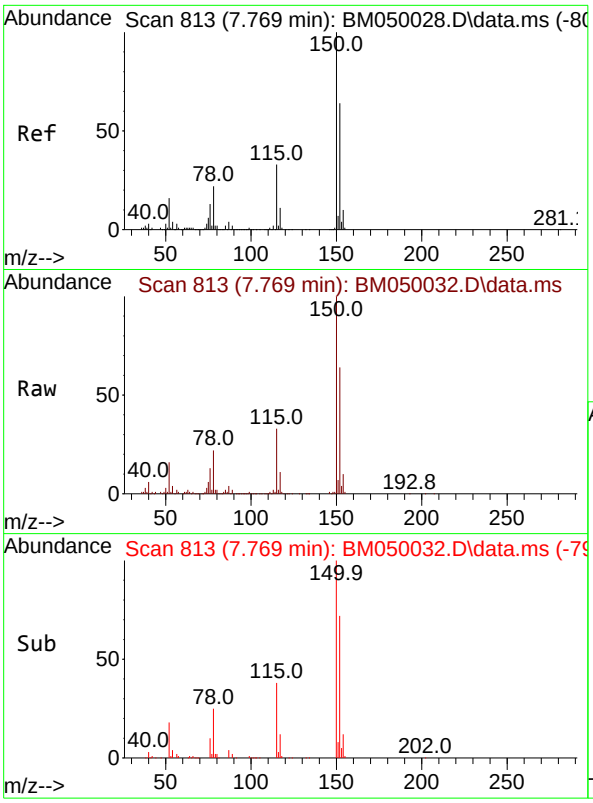
ClientSampleId :
ICVBM042825

Quant Time: Apr 28 18:14:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



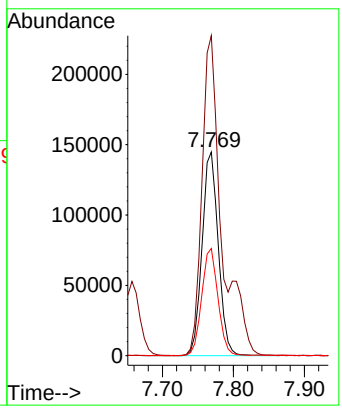


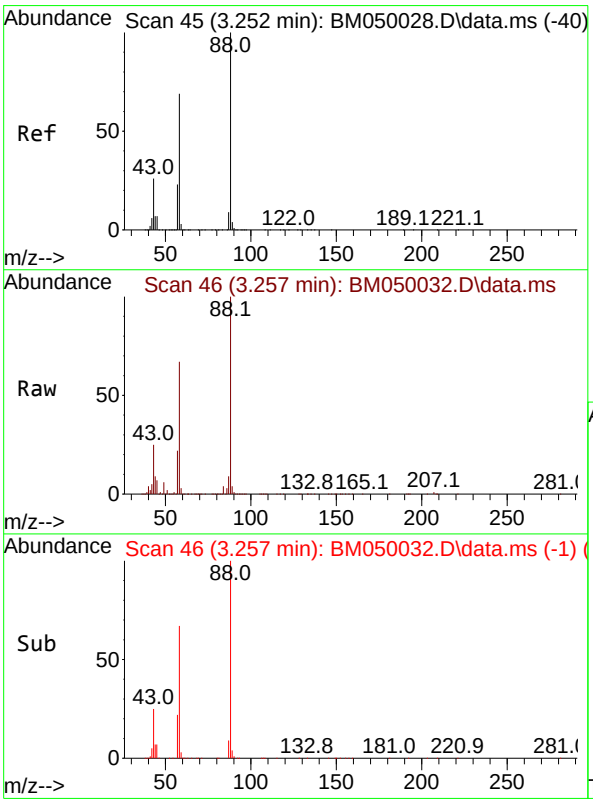
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion:152 Resp: 230127

Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.1	186.1
115	52.6	41.2	61.8

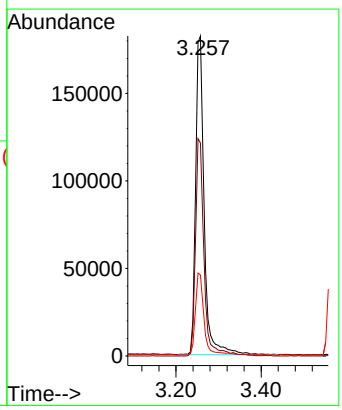


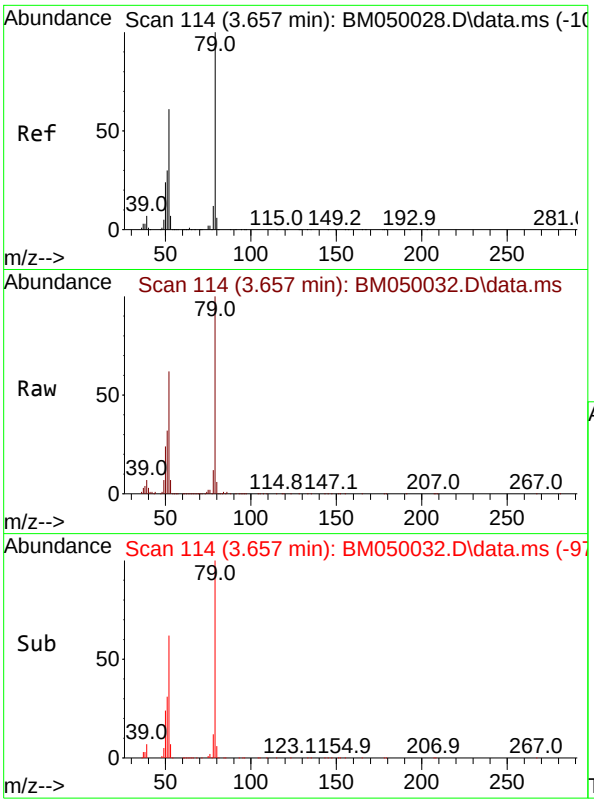


#2
1,4-Dioxane
Concen: 44.976 ng
RT: 3.257 min Scan# 46
Delta R.T. 0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion: 88 Resp: 253433

Ion	Ratio	Lower	Upper
88	100		
58	67.9	55.1	82.7
43	25.9	20.9	31.3



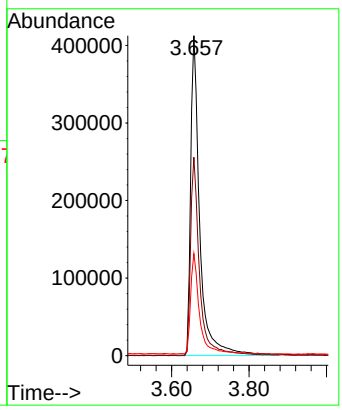


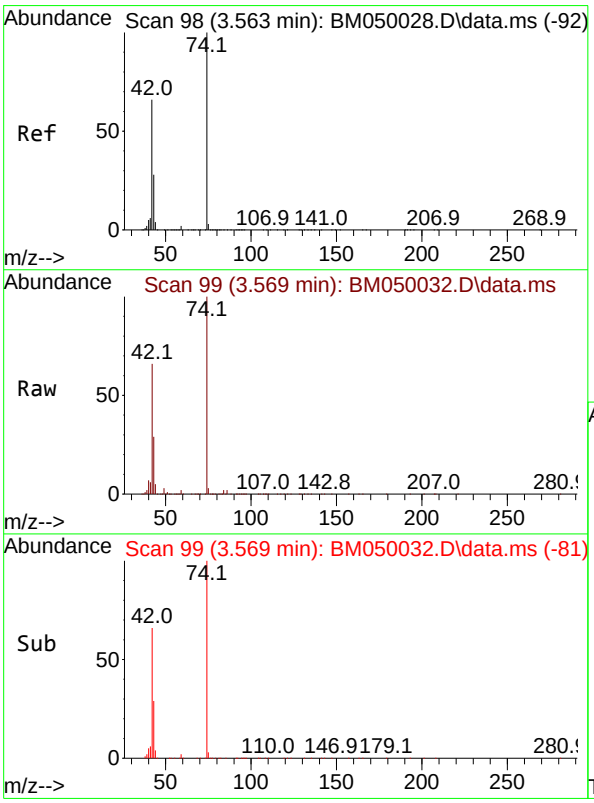
#3
Pyridine
Concen: 46.534 ng
RT: 3.657 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion: 79 Resp: 673723

Ion	Ratio	Lower	Upper
79	100		
52	62.0	48.6	72.8
51	31.9	24.6	37.0

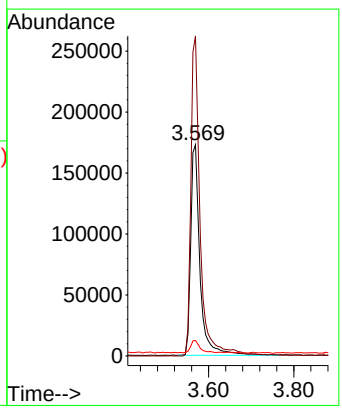


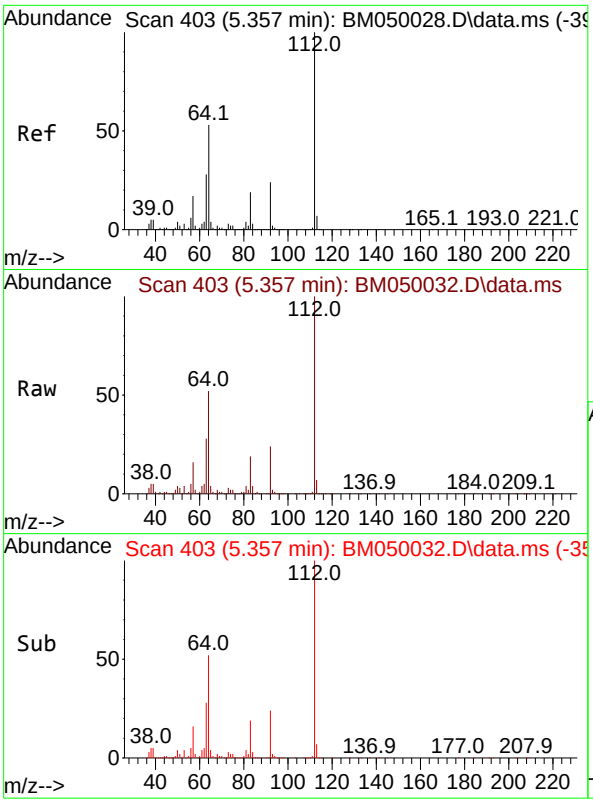


#4
n-Nitrosodimethylamine
Concen: 45.956 ng
RT: 3.569 min Scan# 99
Delta R.T. 0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion: 42 Resp: 260951

Ion	Ratio	Lower	Upper
42	100		
74	151.5	120.2	180.2
44	7.3	6.2	9.2



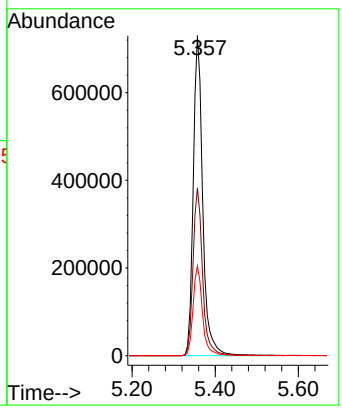


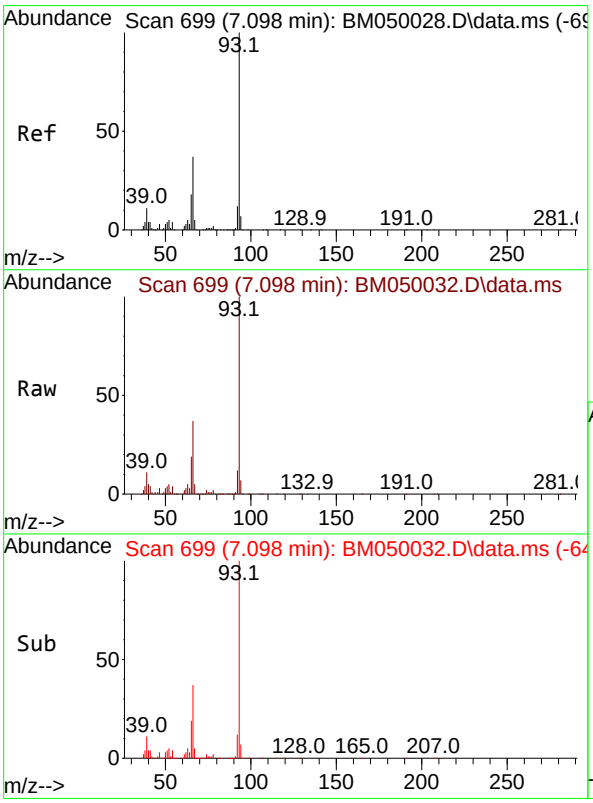
#5
2-Fluorophenol
Concen: 87.928 ng
RT: 5.357 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion:112 Resp: 1155553

Ion	Ratio	Lower	Upper
112	100		
64	52.4	42.6	64.0
63	28.0	22.2	33.4

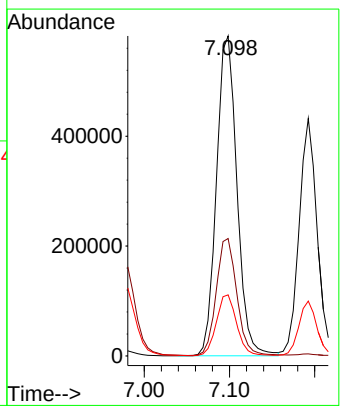


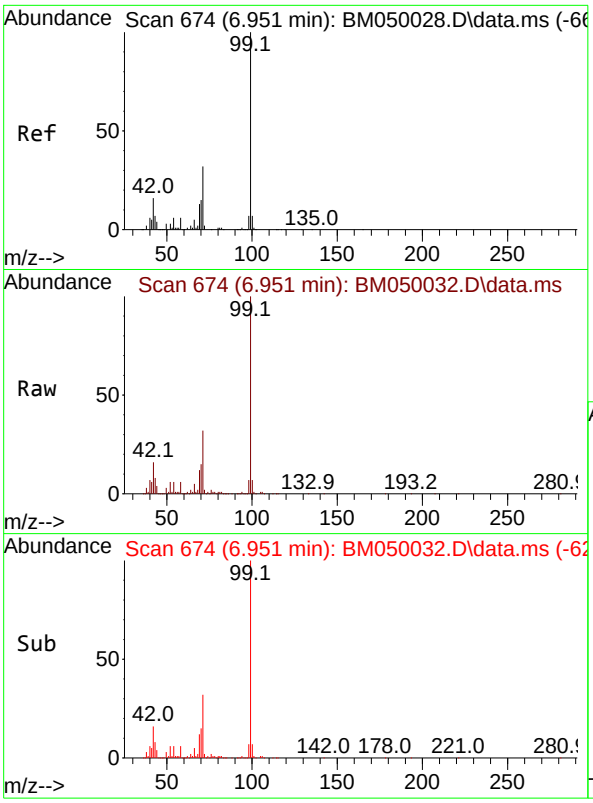


#6
Aniline
Concen: 46.744 ng
RT: 7.098 min Scan# 699
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion: 93 Resp: 974989

Ion	Ratio	Lower	Upper
93	100		
66	36.7	29.9	44.9
65	19.1	14.5	21.7



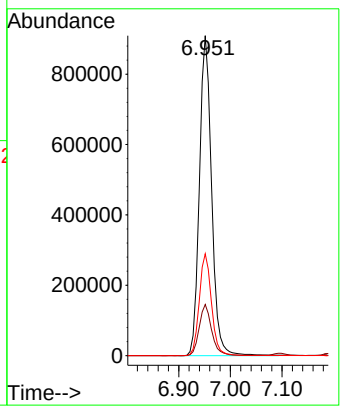


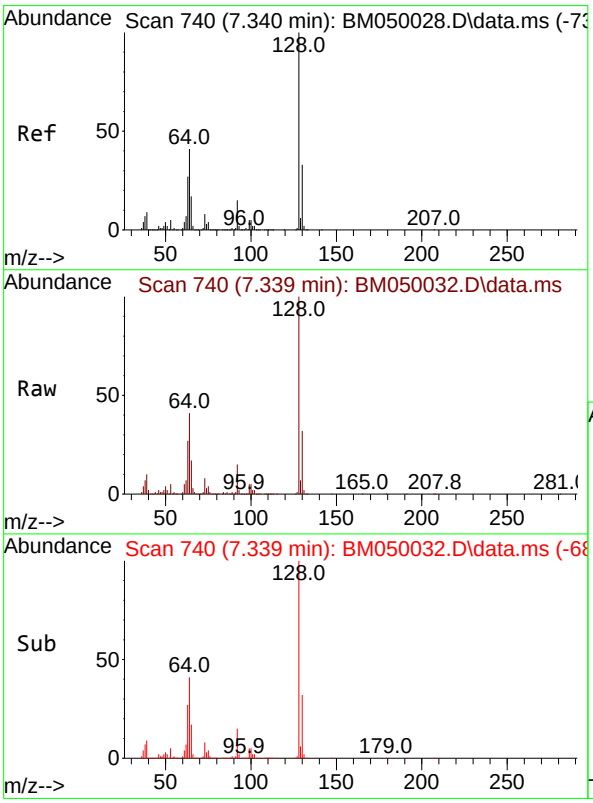
#7
Phenol-d6
Concen: 90.140 ng
RT: 6.951 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion: 99 Resp: 1488919

Ion	Ratio	Lower	Upper
99	100		
42	16.0	13.0	19.4
71	31.9	25.6	38.4

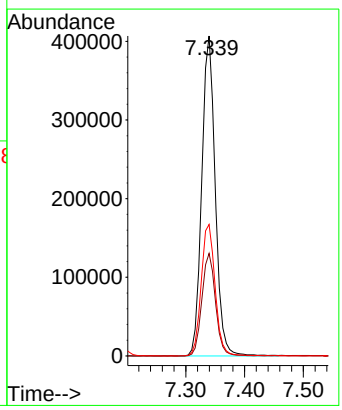


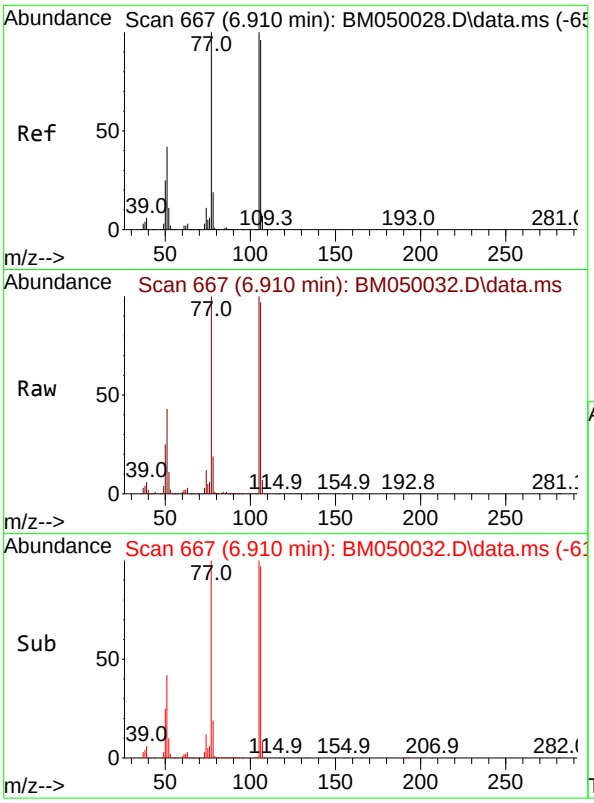


#8
2-Chlorophenol
Concen: 45.724 ng
RT: 7.339 min Scan# 740
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:128 Resp: 649705

Ion	Ratio	Lower	Upper
128	100		
130	32.0	12.8	52.8
64	41.1	21.2	61.2



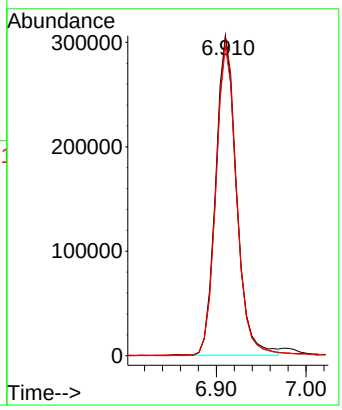


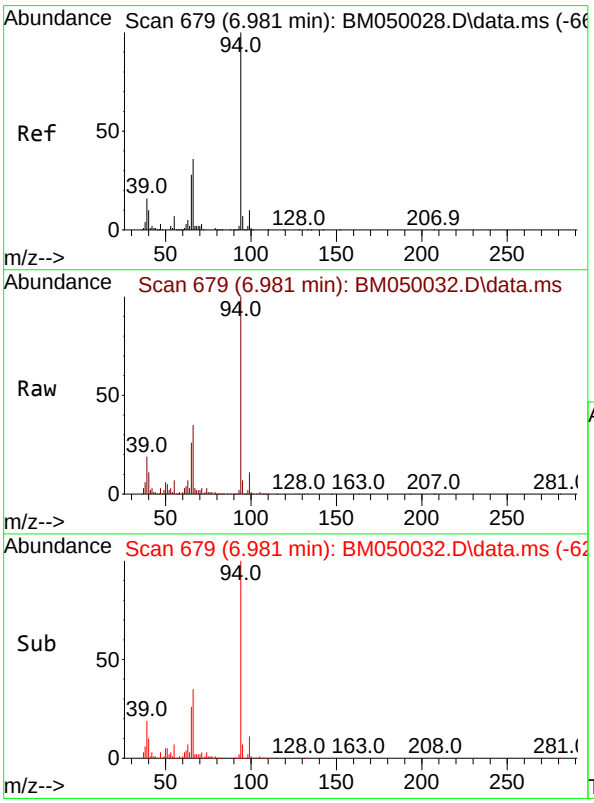
#9
Benzaldehyde
Concen: 44.405 ng
RT: 6.910 min Scan# 6(
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion: 77 Resp: 490844

Ion	Ratio	Lower	Upper
77	100		
105	99.8	80.5	120.5
106	96.6	76.1	116.1

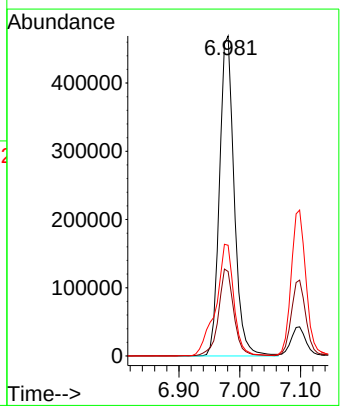


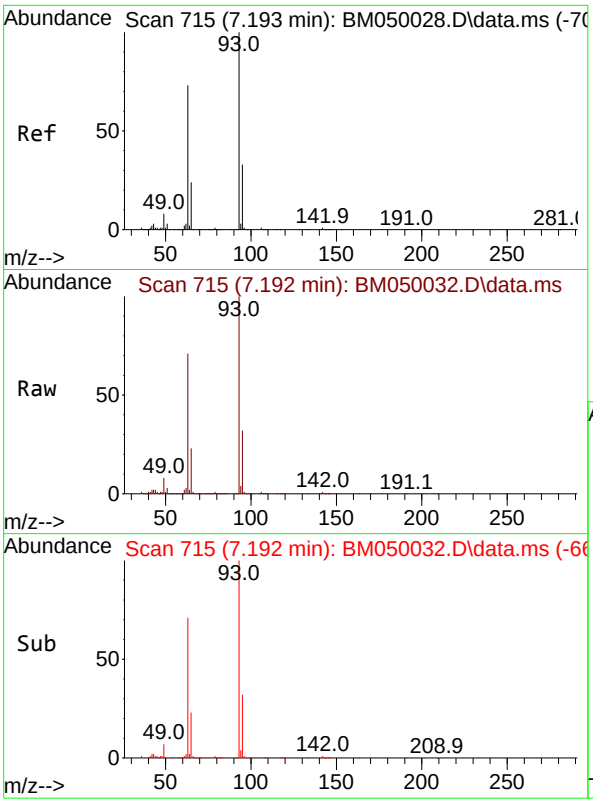


#10
Phenol
Concen: 46.913 ng
RT: 6.981 min Scan# 679
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion: 94 Resp: 784469

Ion	Ratio	Lower	Upper
94	100		
65	26.4	7.6	47.6
66	34.6	15.8	55.8



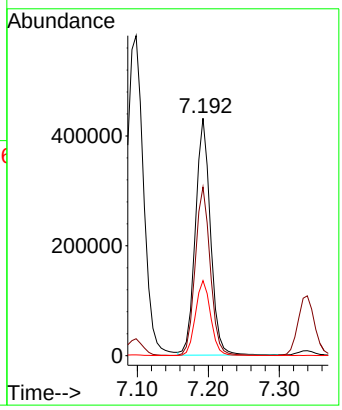


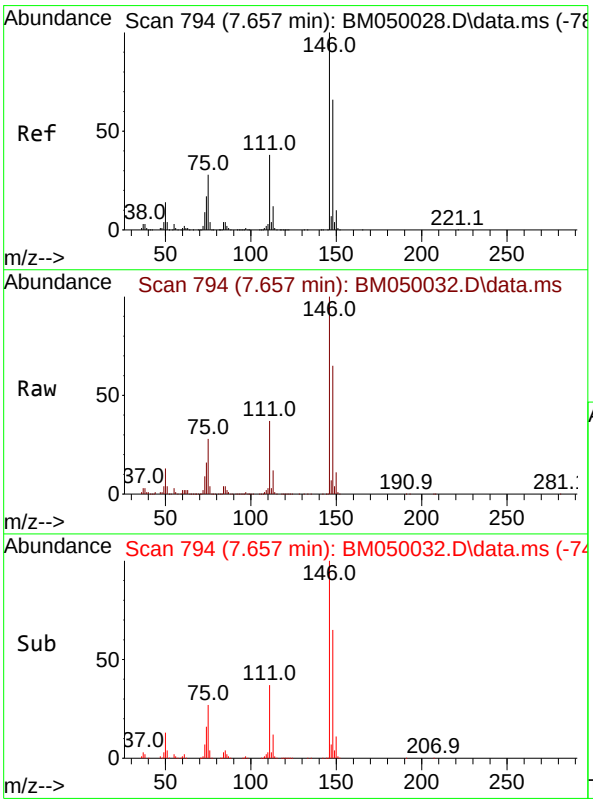
#11
bis(2-Chloroethyl)ether
Concen: 45.521 ng
RT: 7.192 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion: 93 Resp: 635601

Ion	Ratio	Lower	Upper
93	100		
63	71.0	52.3	92.3
95	31.6	12.8	52.8

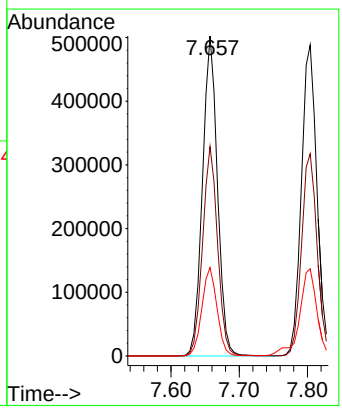


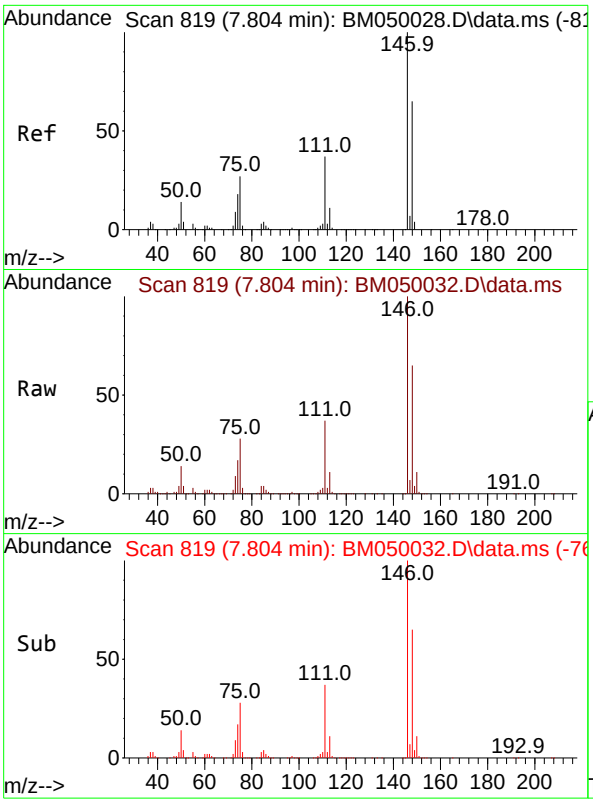


#12
1,3-Dichlorobenzene
Concen: 44.672 ng
RT: 7.657 min Scan# 794
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:146 Resp: 766772

Ion	Ratio	Lower	Upper
146	100		
148	65.4	52.5	78.7
75	27.6	22.6	34.0



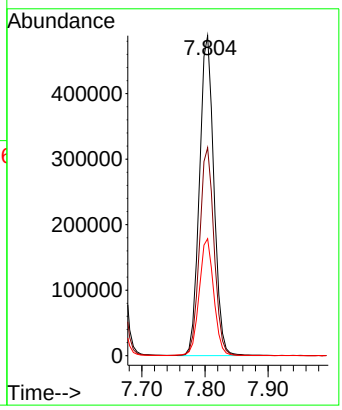


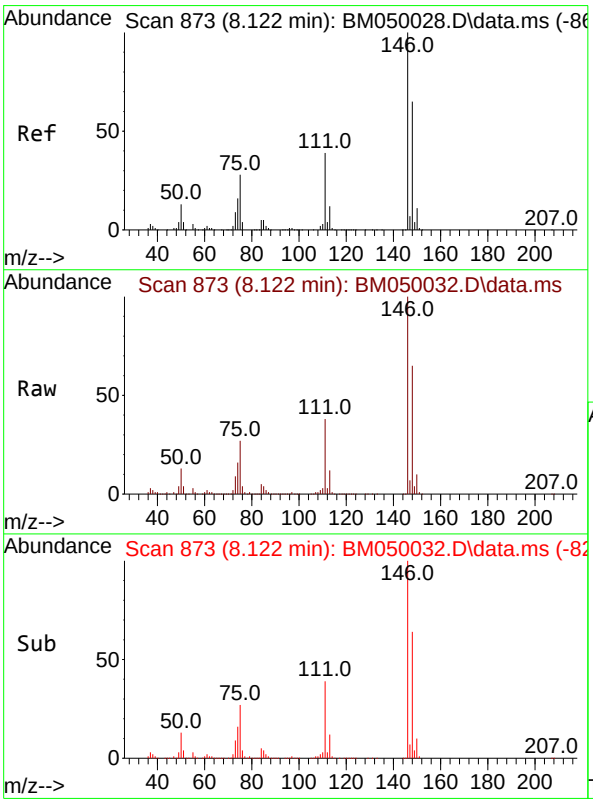
#13
1,4-Dichlorobenzene
Concen: 44.941 ng
RT: 7.804 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion:146 Resp: 774954

Ion	Ratio	Lower	Upper
146	100		
148	65.0	52.2	78.2
111	36.6	29.3	43.9

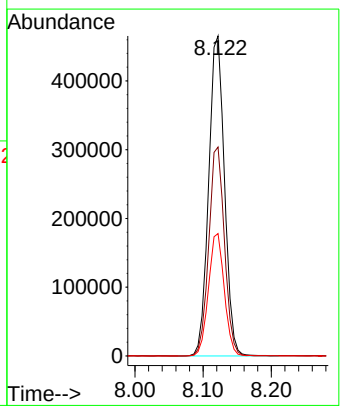


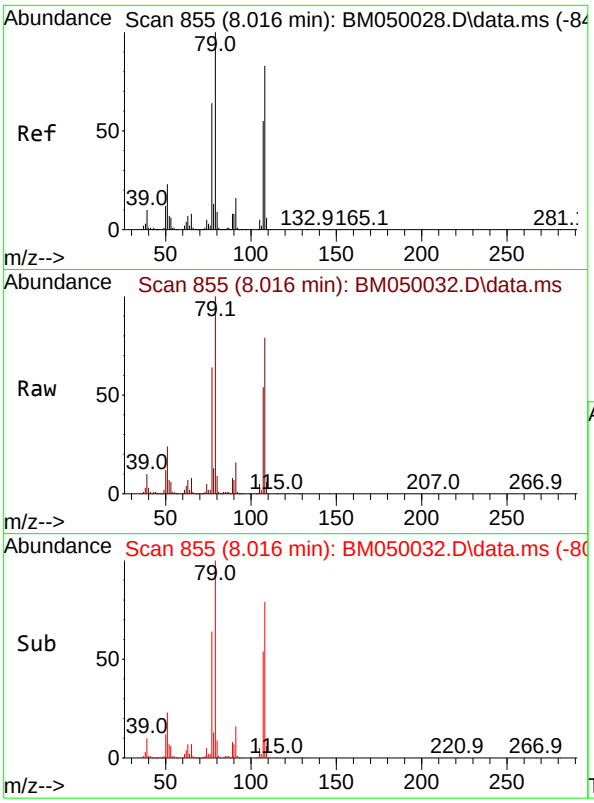


#14
1,2-Dichlorobenzene
Concen: 45.174 ng
RT: 8.122 min Scan# 873
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:146 Resp: 752460

Ion	Ratio	Lower	Upper
146	100		
148	65.3	52.4	78.6
111	38.3	31.0	46.6



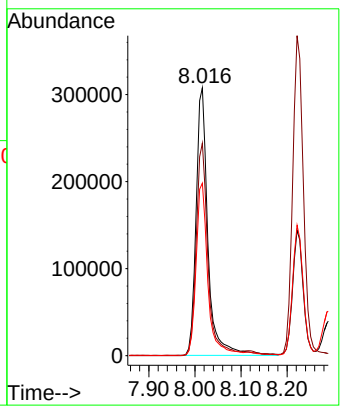


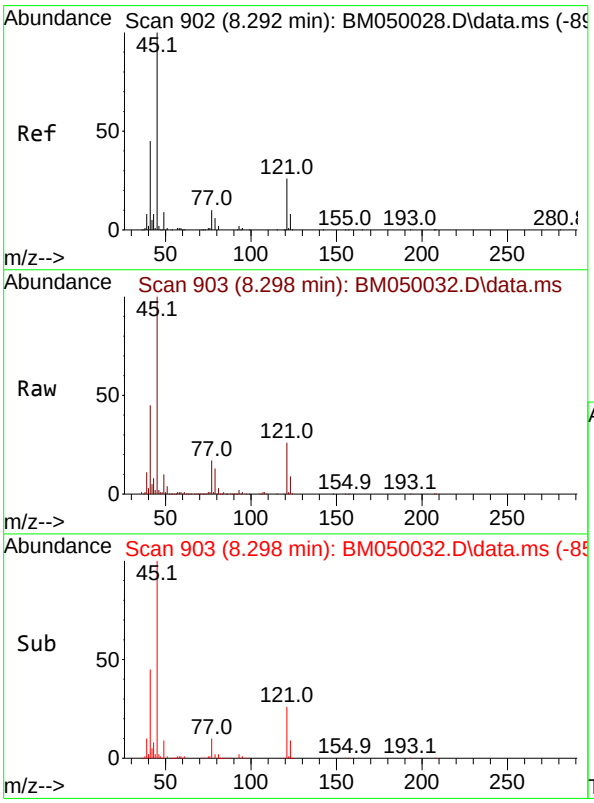
#15
Benzyl Alcohol
Concen: 48.167 ng
RT: 8.016 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion: 79 Resp: 551757

Ion	Ratio	Lower	Upper
79	100		
108	79.4	66.0	99.0
77	64.4	51.6	77.4

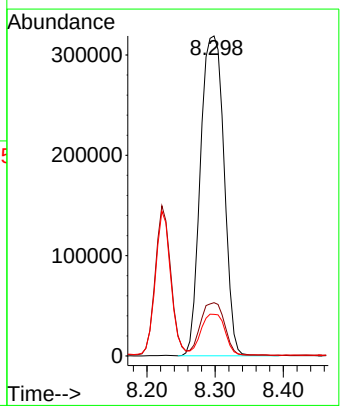


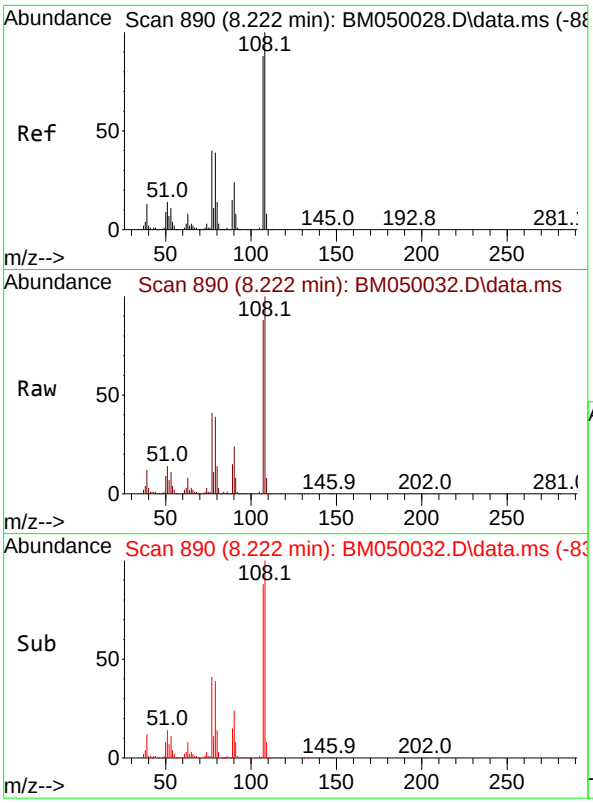


#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.929 ng
RT: 8.298 min Scan# 903
Delta R.T. 0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion: 45 Resp: 762583

Ion	Ratio	Lower	Upper
45	100		
77	16.7	0.0	36.4
79	13.0	0.0	32.7



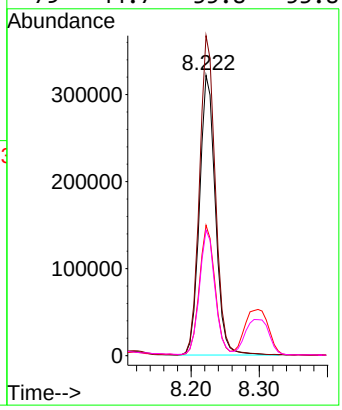


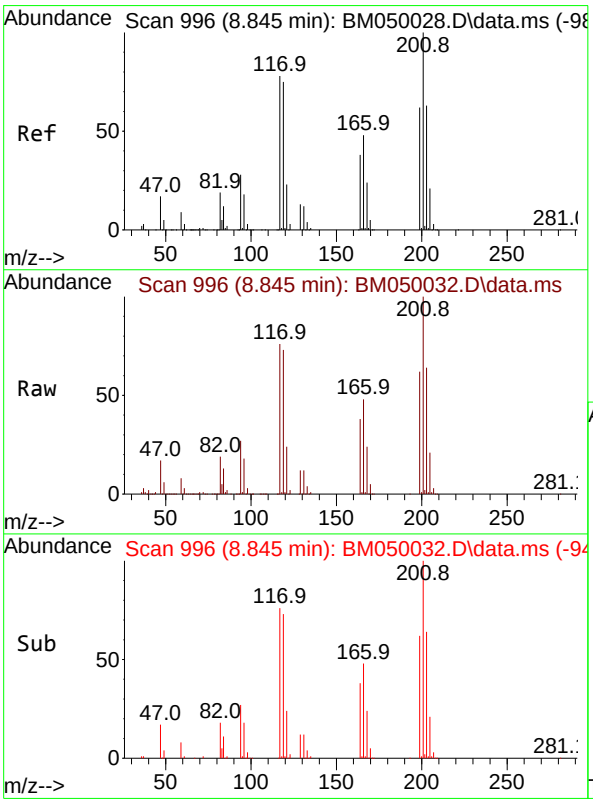
#17
2-Methylphenol
Concen: 47.153 ng
RT: 8.222 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion:107 Resp: 519426

Ion	Ratio	Lower	Upper
107	100		
108	114.1	91.1	136.7
77	46.5	36.2	54.4
79	44.7	35.8	53.8

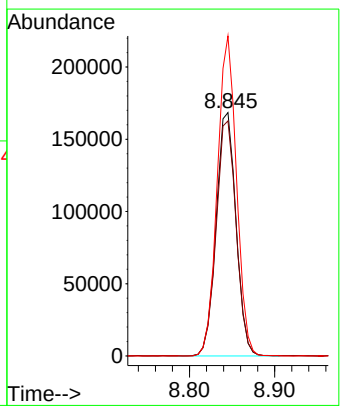


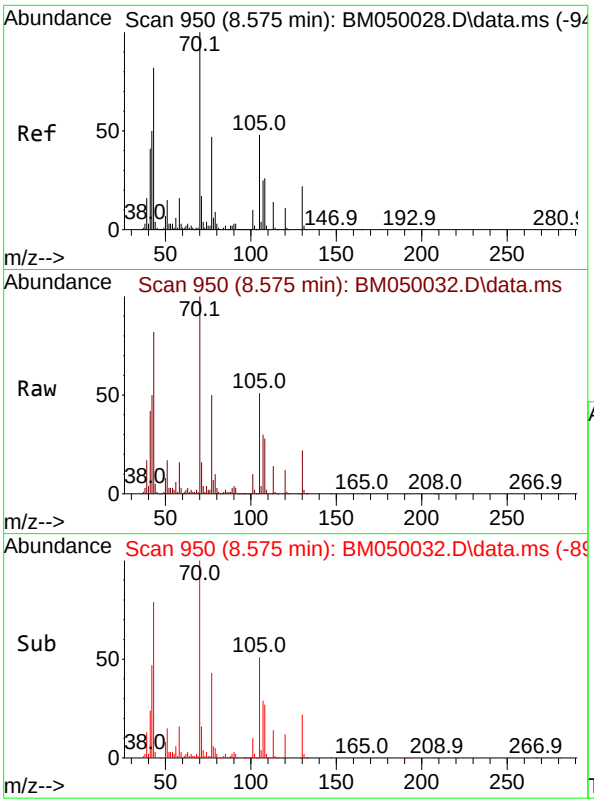


#18
Hexachloroethane
Concen: 44.738 ng
RT: 8.845 min Scan# 996
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:117 Resp: 274239

Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.3	115.9
201	131.4	102.8	154.2



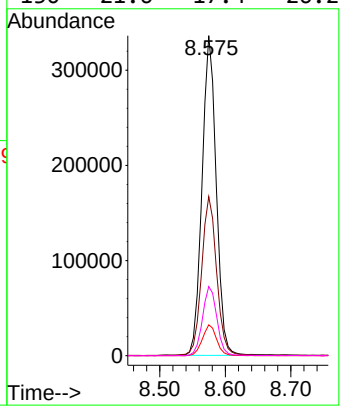


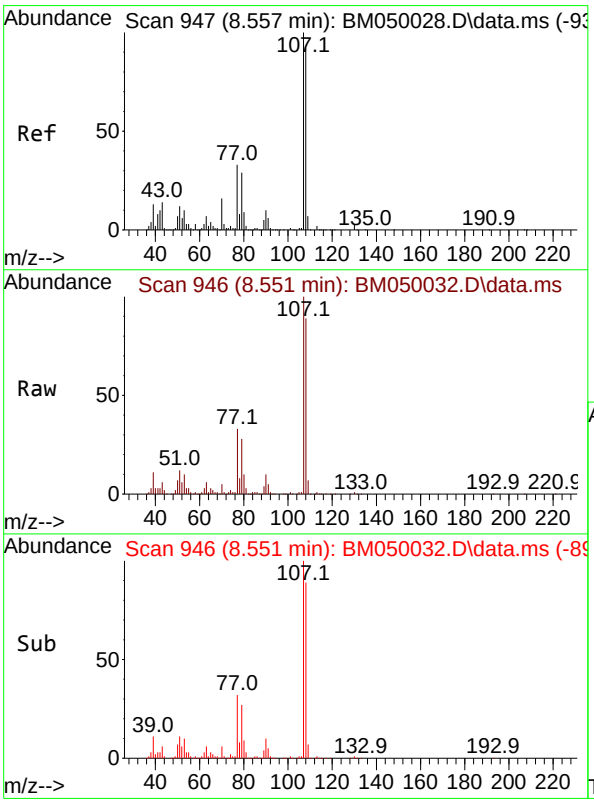
#19
n-Nitroso-di-n-propylamine
Concen: 47.892 ng
RT: 8.575 min Scan# 9
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion: 70 Resp: 507362

Ion	Ratio	Lower	Upper
70	100		
42	49.7	40.5	60.7
101	9.7	7.8	11.6
130	21.6	17.4	26.2

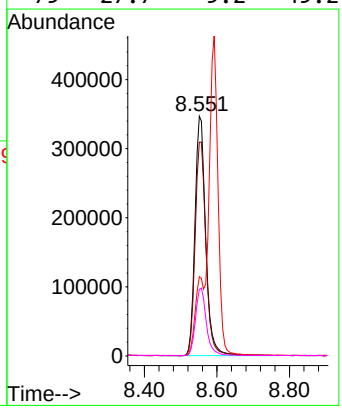


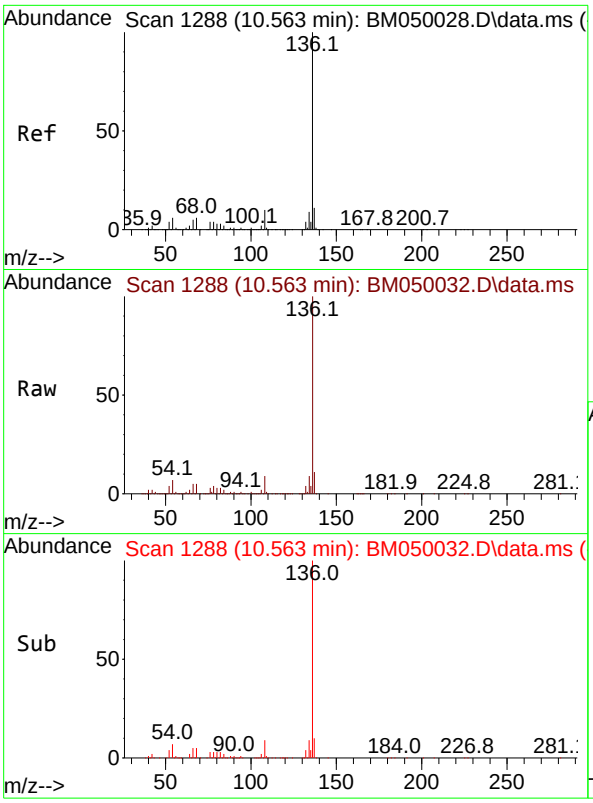


#20
3+4-Methylphenols
Concen: 47.974 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:107 Resp: 713683

Ion	Ratio	Lower	Upper
107	100		
108	89.1	72.4	112.4
77	33.0	13.6	53.6
79	27.7	9.2	49.2



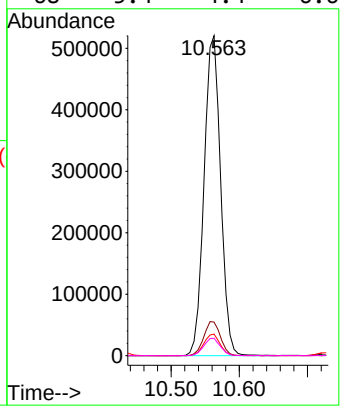


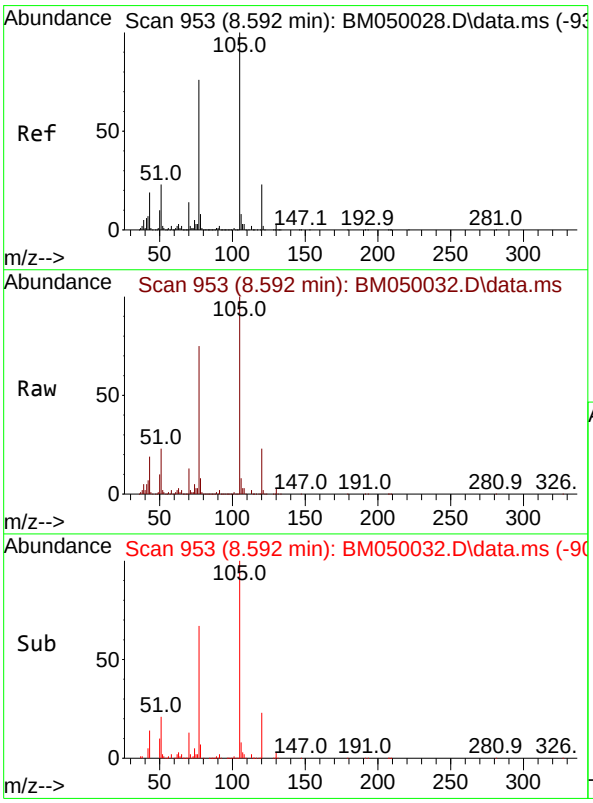
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion:136 Resp: 877692

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	6.7	5.1	7.7
68	5.4	4.4	6.6

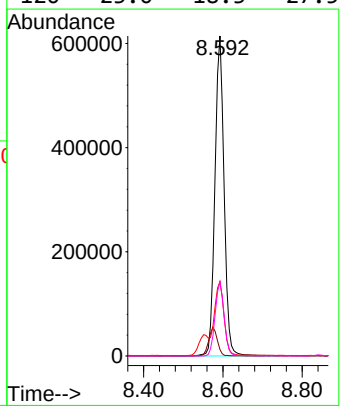


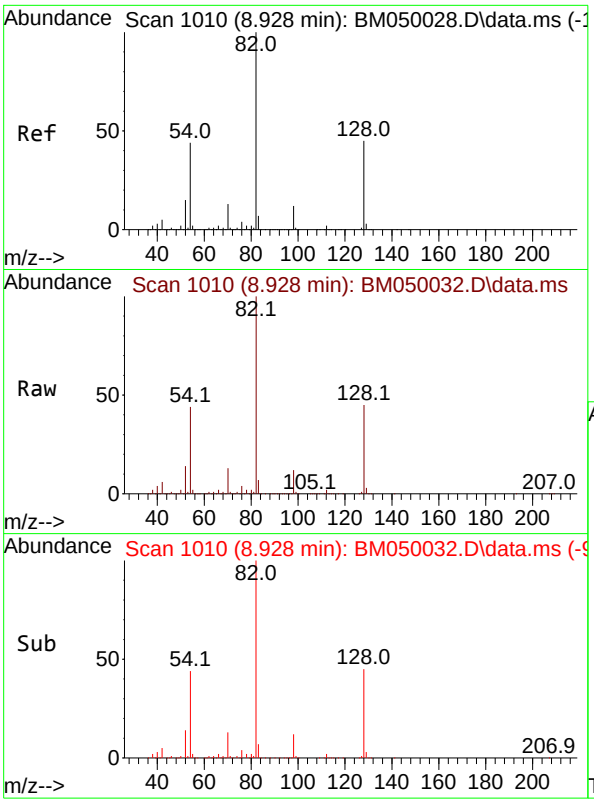


#22
Acetophenone
Concen: 45.153 ng
RT: 8.592 min Scan# 953
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:105 Resp: 985275

Ion	Ratio	Lower	Upper
105	100		
71	2.0	1.7	2.5
51	23.3	18.6	27.8
120	23.0	18.3	27.5



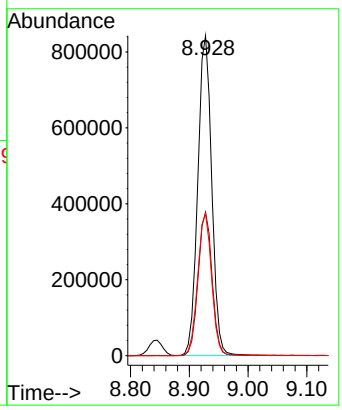


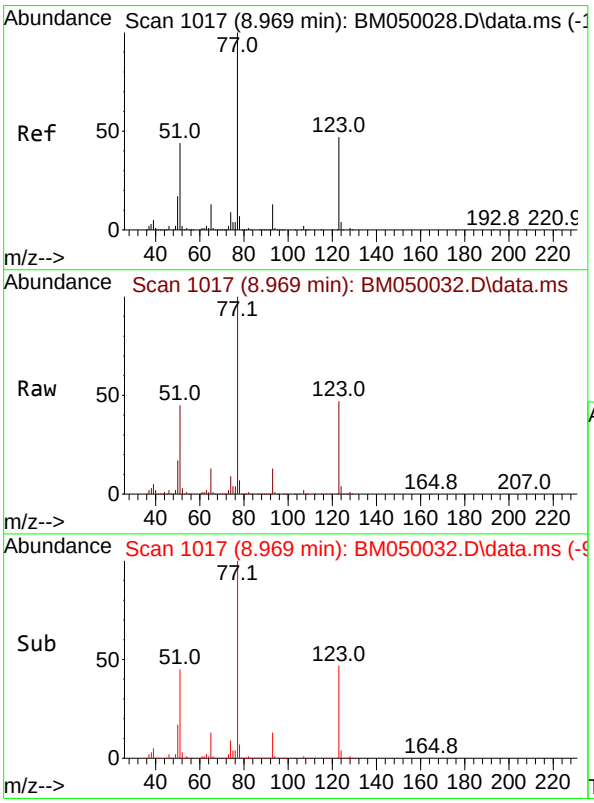
#23
Nitrobenzene-d5
Concen: 77.798 ng
RT: 8.928 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion: 82 Resp: 1385703

Ion	Ratio	Lower	Upper
82	100		
128	44.9	35.7	53.5
54	44.4	35.4	53.2

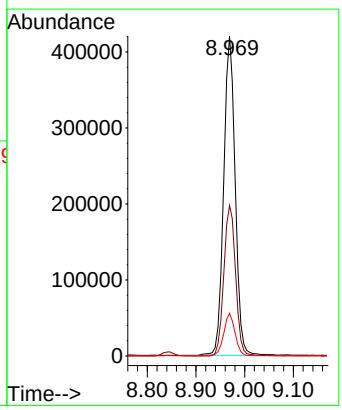


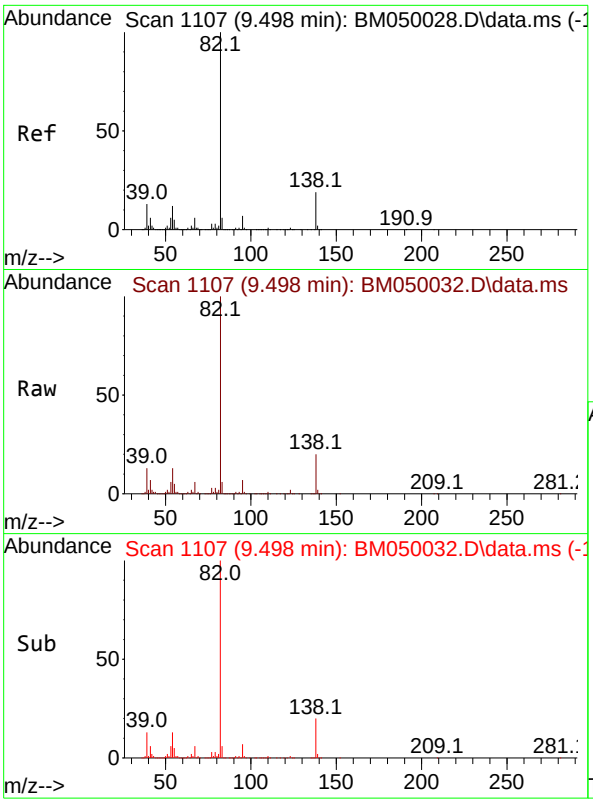


#24
Nitrobenzene
Concen: 45.104 ng
RT: 8.969 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion: 77 Resp: 694640

Ion	Ratio	Lower	Upper
77	100		
123	47.1	37.9	56.9
65	13.3	10.1	15.1



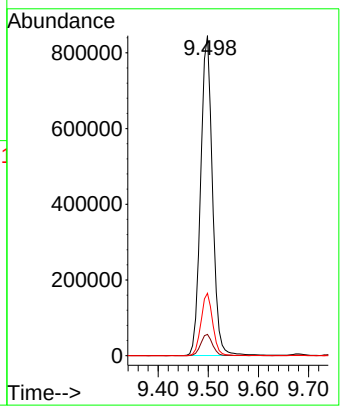


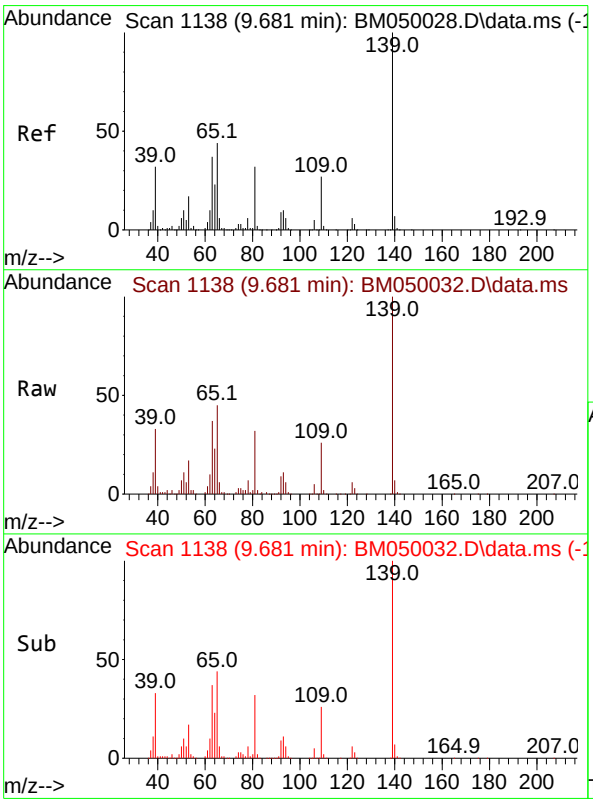
#25
Isophorone
Concen: 45.596 ng
RT: 9.498 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion: 82 Resp: 1384372

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.7	8.5
138	19.5	15.5	23.3

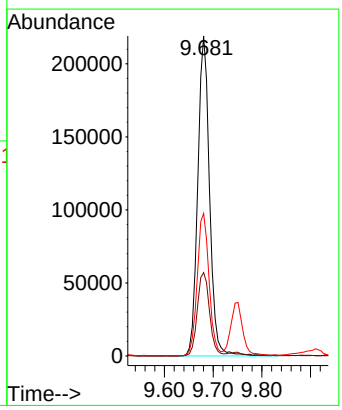


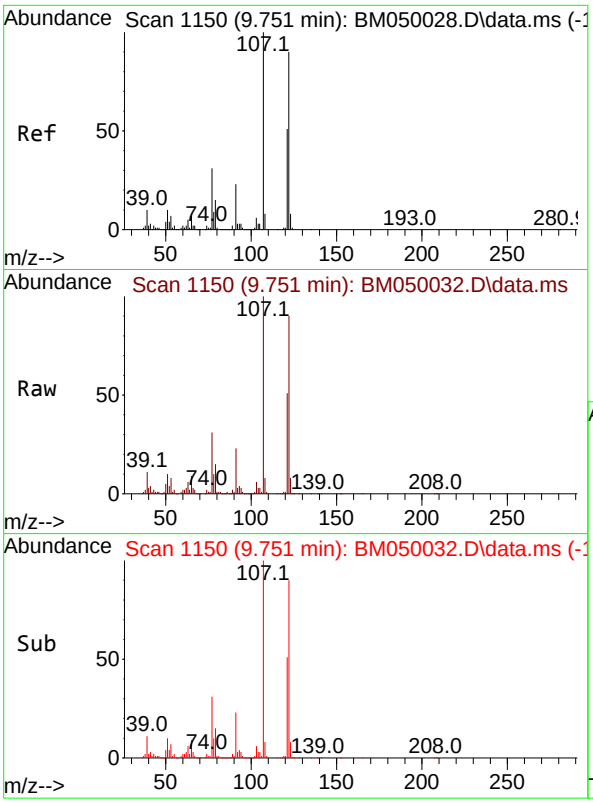


#26
2-Nitrophenol
Concen: 47.087 ng
RT: 9.681 min Scan# 1138
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:139 Resp: 370477

Ion	Ratio	Lower	Upper
139	100		
109	26.1	21.9	32.9
65	44.5	35.4	53.2



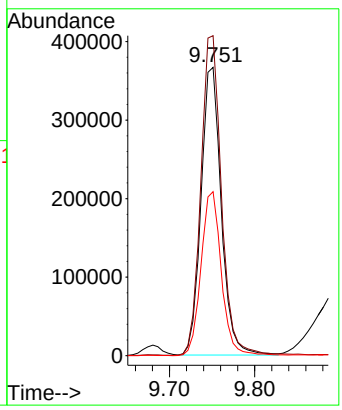


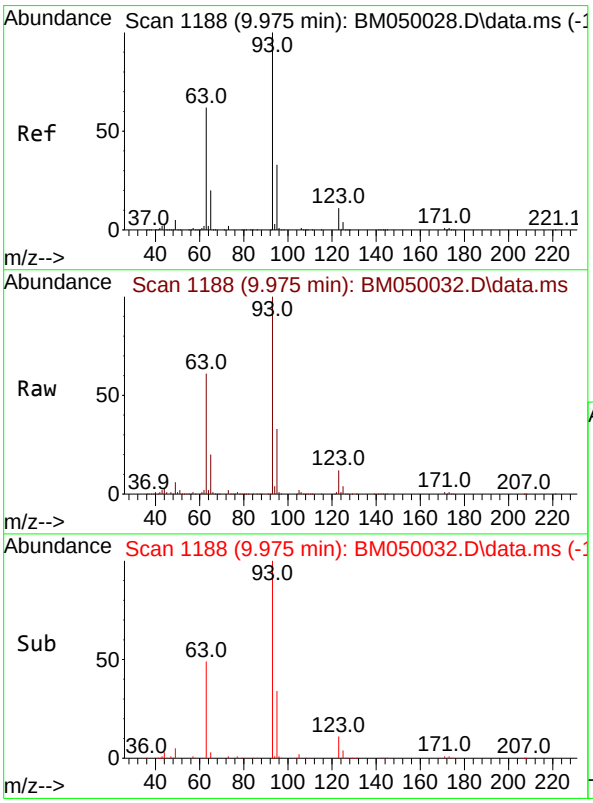
#27
2,4-Dimethylphenol
Concen: 46.404 ng
RT: 9.751 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion:122 Resp: 605475

Ion	Ratio	Lower	Upper
122	100		
107	111.0	89.0	133.6
121	56.9	45.6	68.4

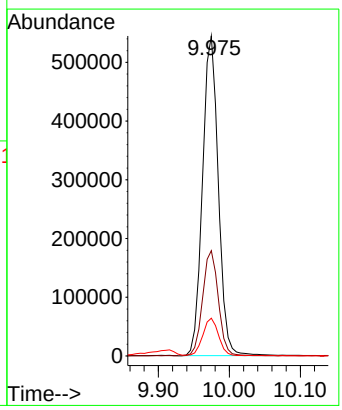


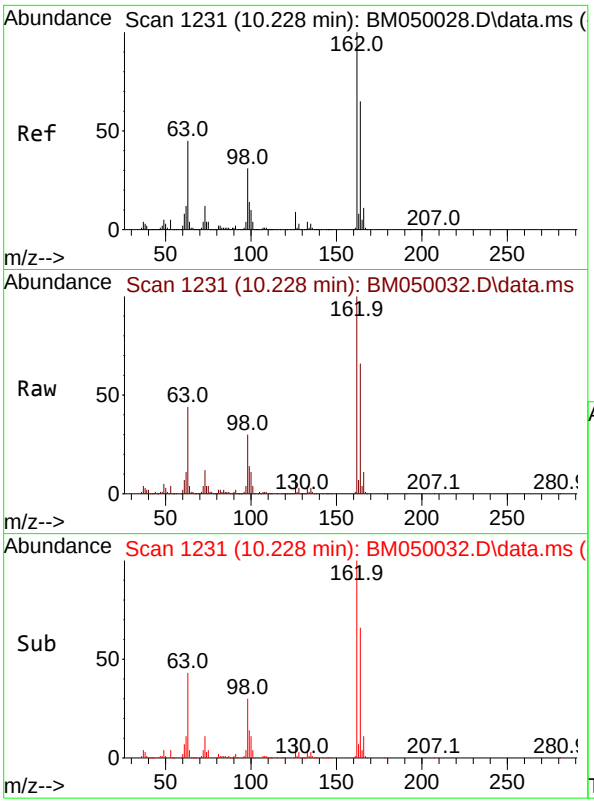


#28
bis(2-Chloroethoxy)methane
Concen: 44.920 ng
RT: 9.975 min Scan# 1188
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion: 93 Resp: 842968

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.1	39.1
123	11.8	9.5	14.3



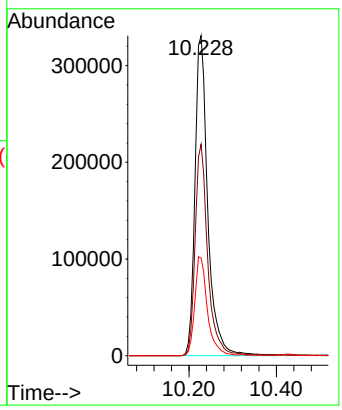


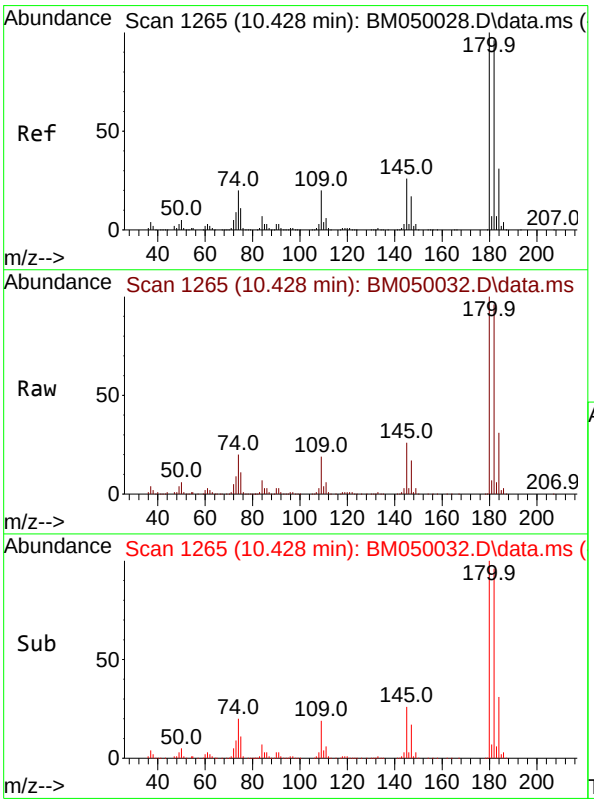
#29
2,4-Dichlorophenol
Concen: 46.375 ng
RT: 10.228 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion:162 Resp: 677885

Ion	Ratio	Lower	Upper
162	100		
164	66.0	45.4	85.4
98	30.5	11.3	51.3

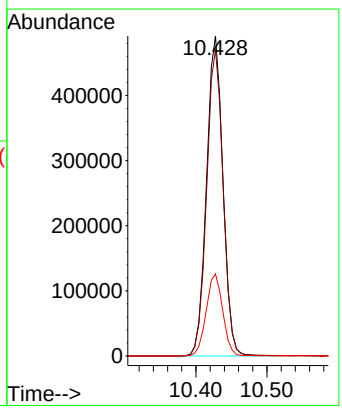


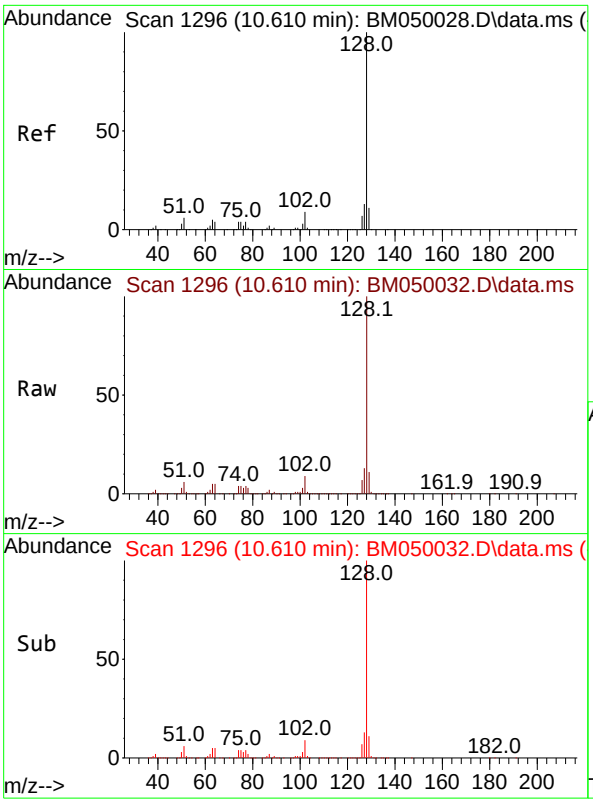


#30
1,2,4-Trichlorobenzene
Concen: 44.348 ng
RT: 10.428 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:180 Resp: 789816

Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.0	115.4
145	25.7	20.6	30.8



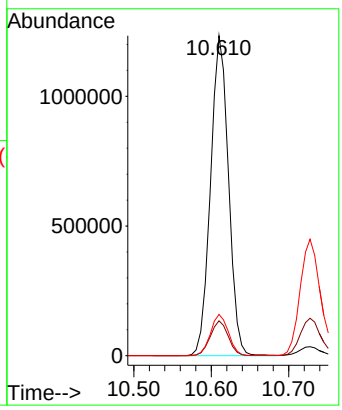


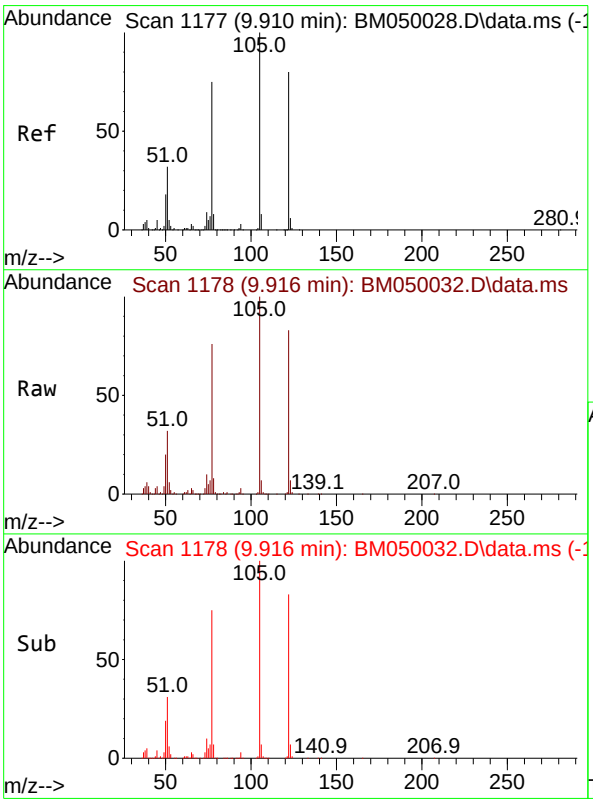
#31
Naphthalene
Concen: 44.651 ng
RT: 10.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion:128 Resp: 1984698

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	12.9	10.4	15.6

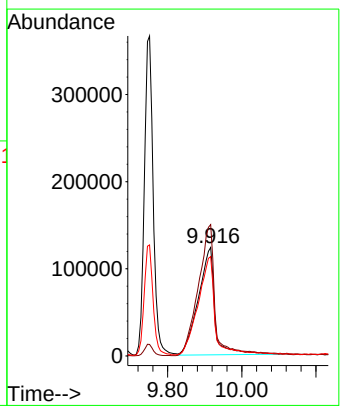


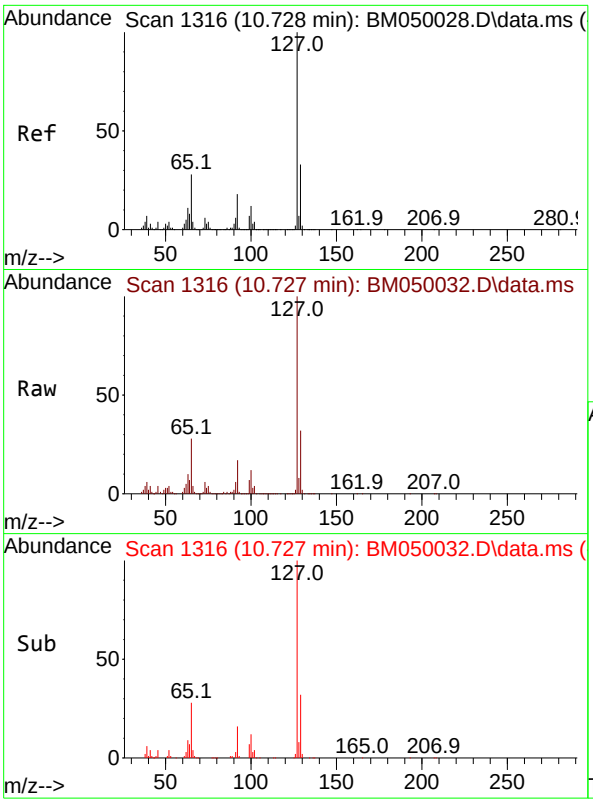


#32
Benzoic acid
Concen: 46.063 ng
RT: 9.916 min Scan# 1178
Delta R.T. 0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:122 Resp: 384400

Ion	Ratio	Lower	Upper
122	100		
105	121.1	103.6	143.6
77	91.7	73.7	113.7



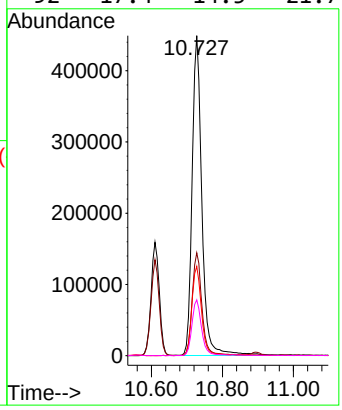


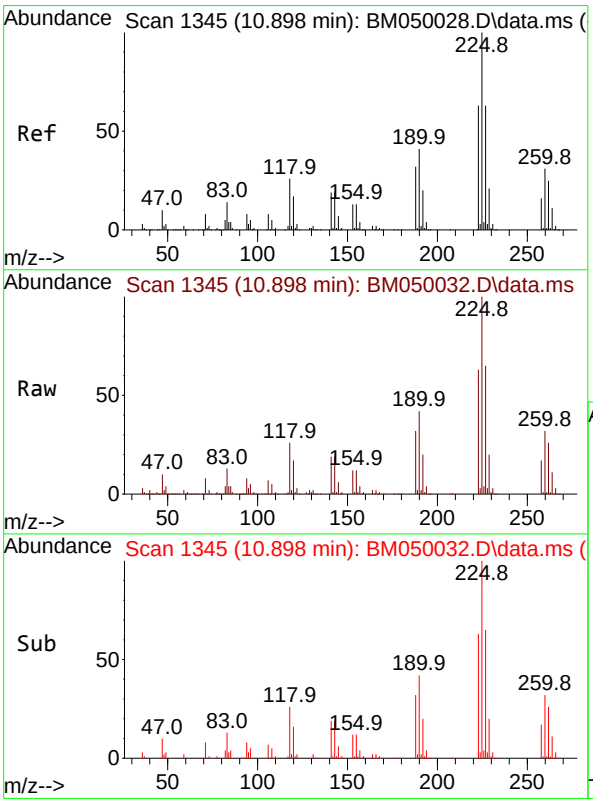
#33
4-Chloroaniline
Concen: 47.375 ng
RT: 10.727 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion:127 Resp: 863111

Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.3	39.5
65	27.9	22.5	33.7
92	17.4	14.5	21.7

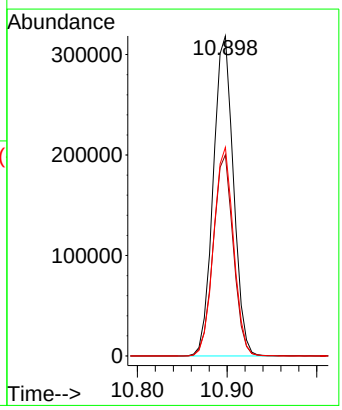


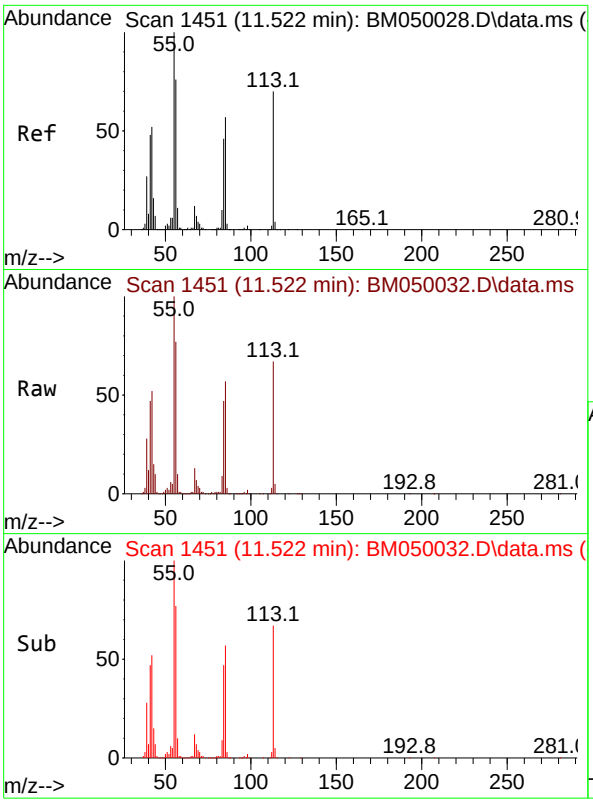


#34
Hexachlorobutadiene
Concen: 44.034 ng
RT: 10.898 min Scan# 1345
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:225 Resp: 497792

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.2	75.2
227	65.2	50.6	76.0



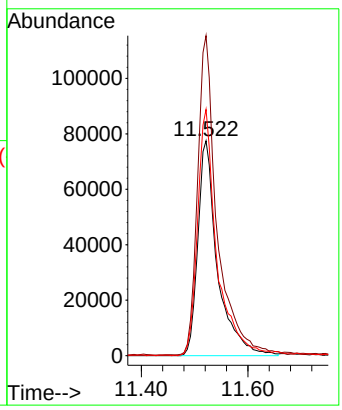


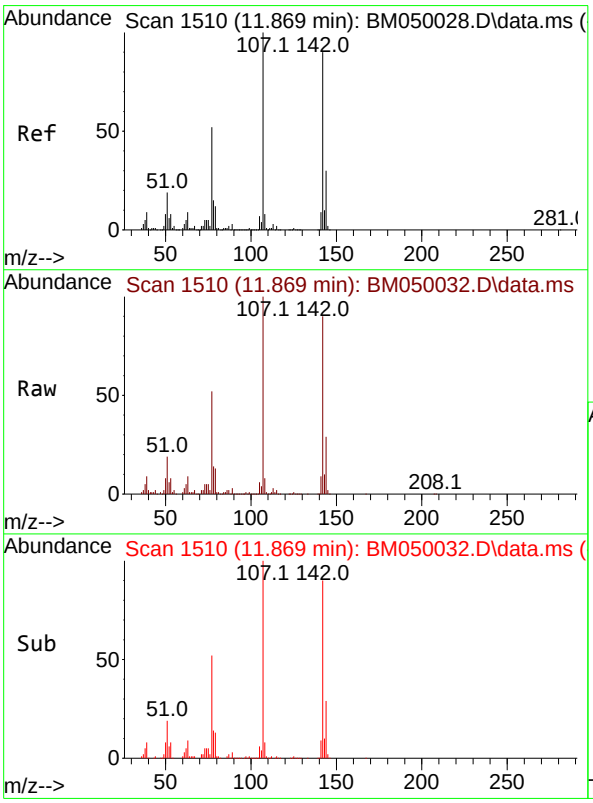
#35
Caprolactam
Concen: 46.481 ng
RT: 11.522 min Scan# 14
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion:113 Resp: 198108

Ion	Ratio	Lower	Upper
113	100		
55	148.9	122.9	162.9
56	114.6	88.1	128.1

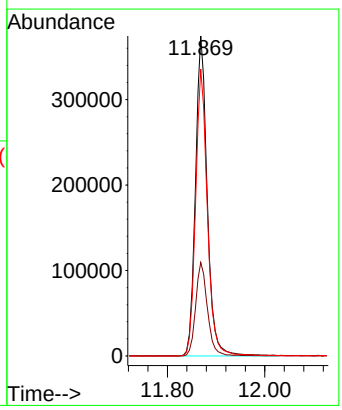


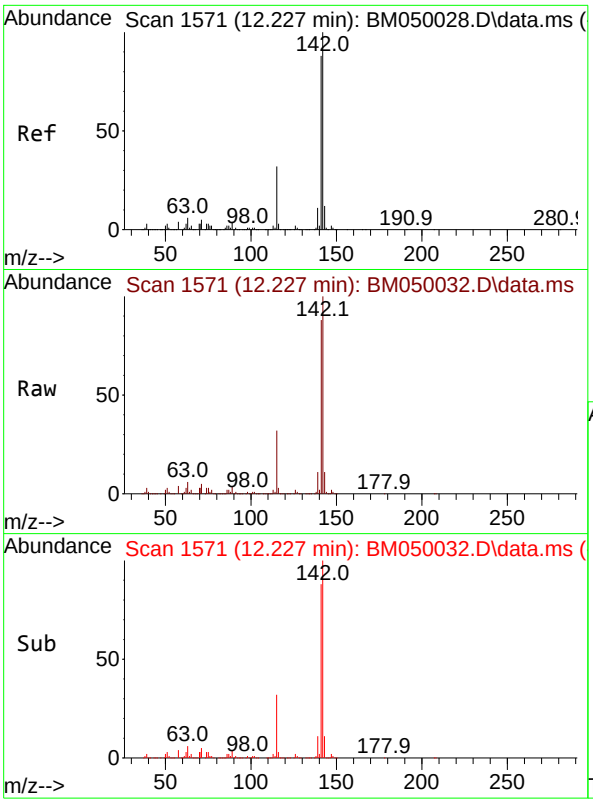


#36
4-Chloro-3-methylphenol
Concen: 46.825 ng
RT: 11.869 min Scan# 1510
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:107 Resp: 632365

Ion	Ratio	Lower	Upper
107	100		
144	29.2	23.8	35.6
142	89.6	71.9	107.9



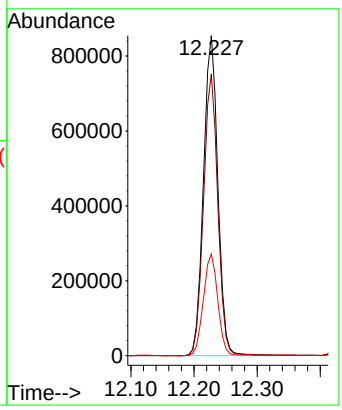


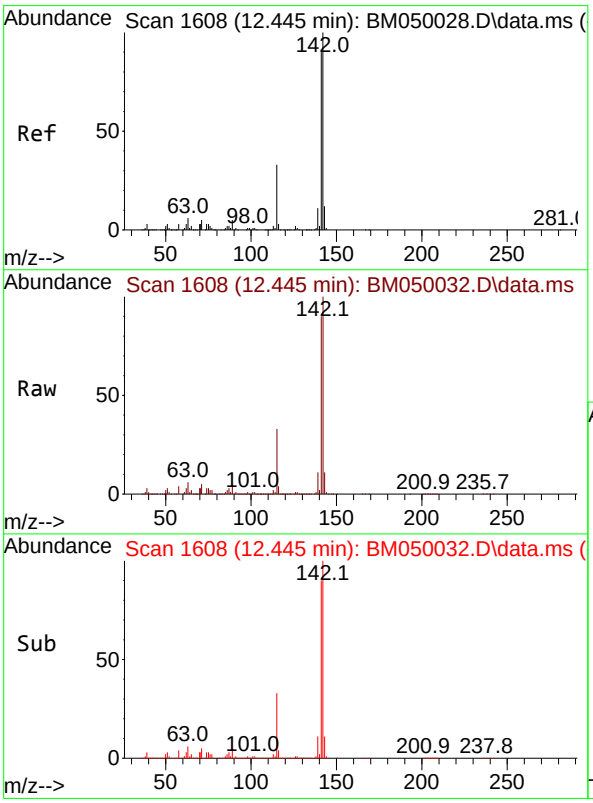
#37
2-Methylnaphthalene
Concen: 45.374 ng
RT: 12.227 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion:142 Resp: 1352170

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.4	105.6
115	31.8	25.4	38.2

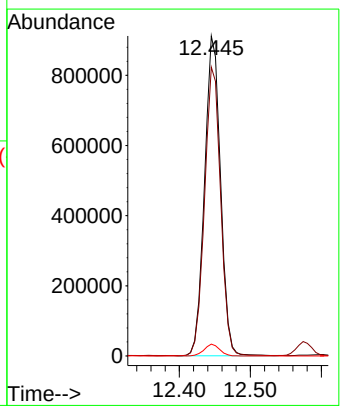


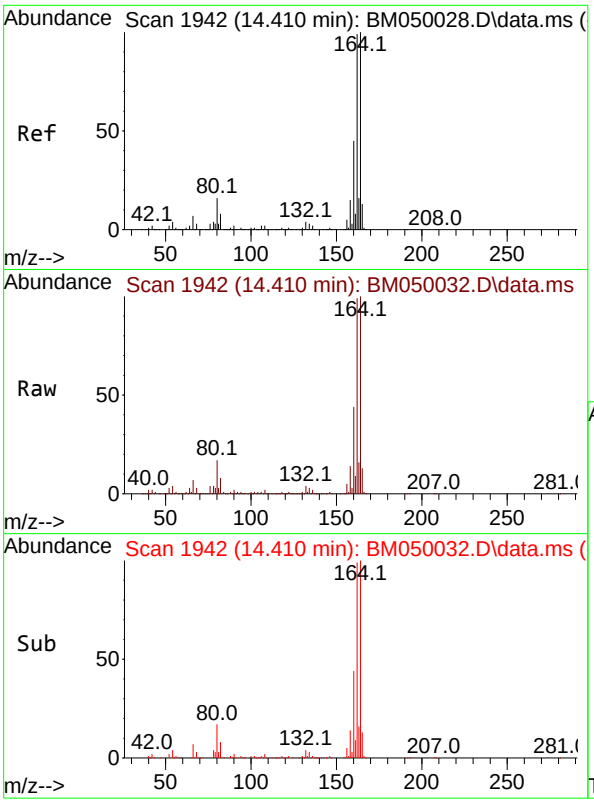


#38
1-Methylnaphthalene
Concen: 45.198 ng
RT: 12.445 min Scan# 1608
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:142 Resp: 1425407

Ion	Ratio	Lower	Upper
142	100		
141	90.3	72.1	108.1
116	3.7	2.7	4.1



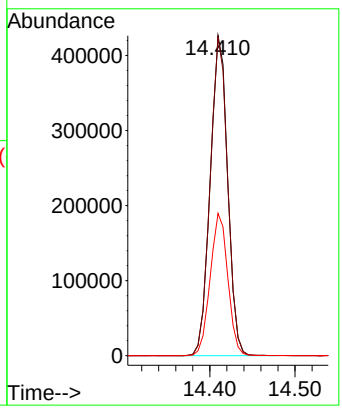


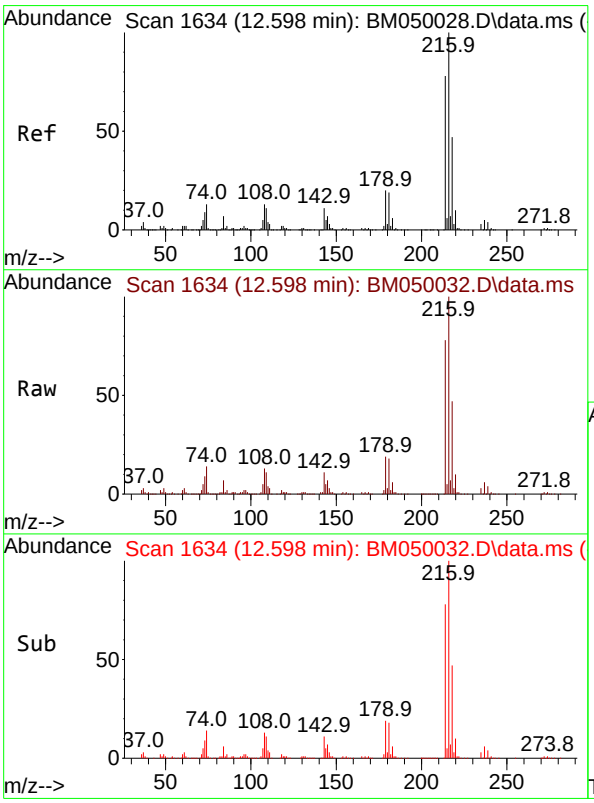
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion:164 Resp: 605832

Ion	Ratio	Lower	Upper
164	100		
162	99.4	79.4	119.0
160	44.5	36.2	54.4

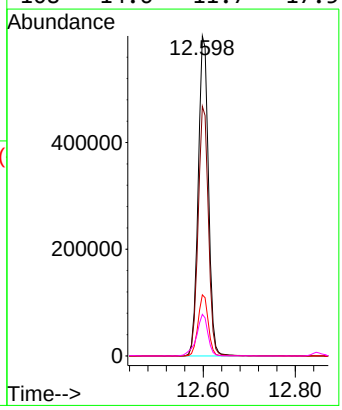


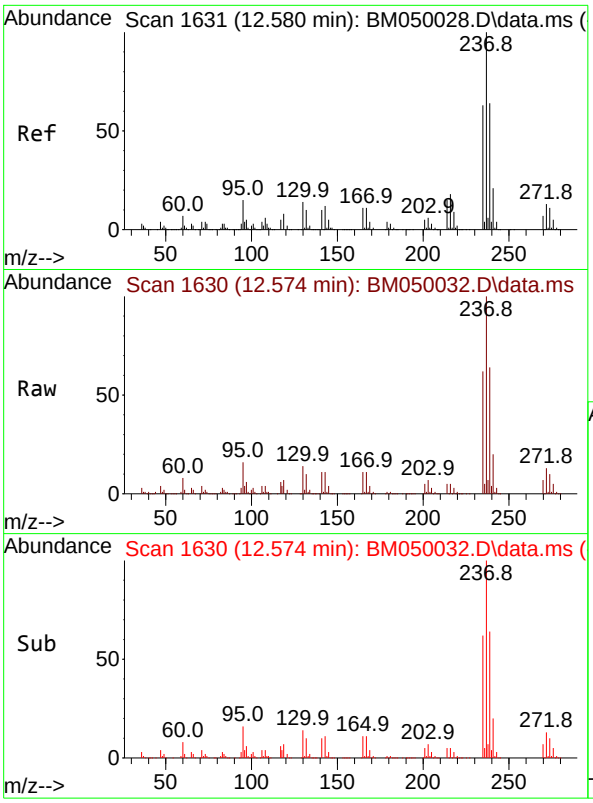


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.140 ng
RT: 12.598 min Scan# 1634
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:216 Resp: 925725

Ion	Ratio	Lower	Upper
216	100		
214	78.3	62.3	93.5
179	19.1	15.4	23.0
108	14.6	11.7	17.5



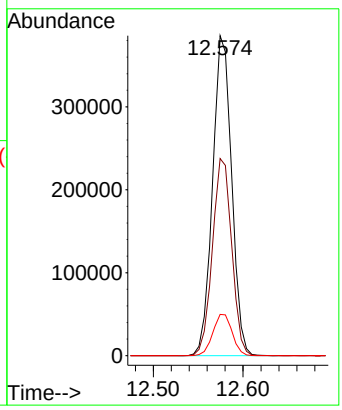


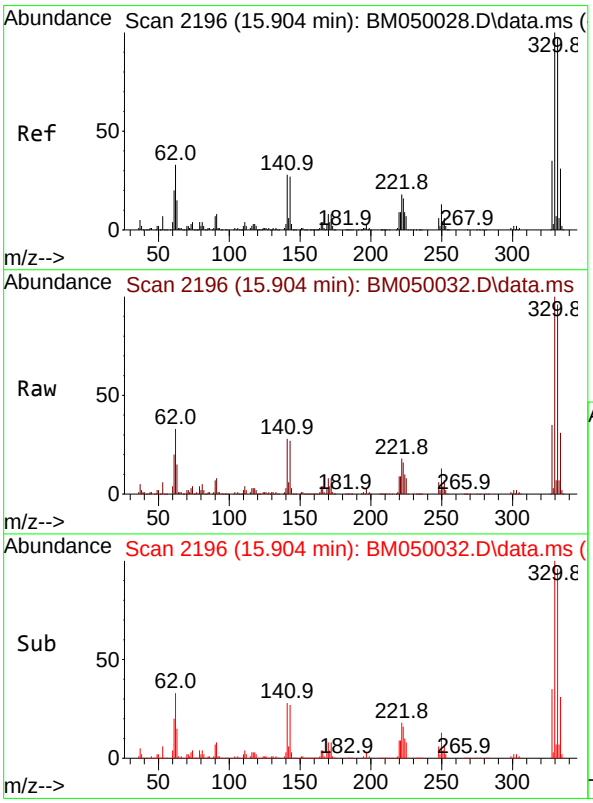
#41
Hexachlorocyclopentadiene
Concen: 44.374 ng
RT: 12.574 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion:237 Resp: 568717

Ion	Ratio	Lower	Upper
237	100		
235	61.6	42.9	82.9
272	12.9	0.0	32.9

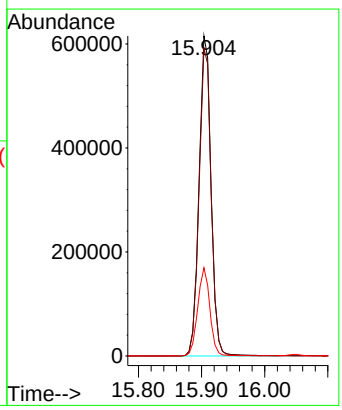


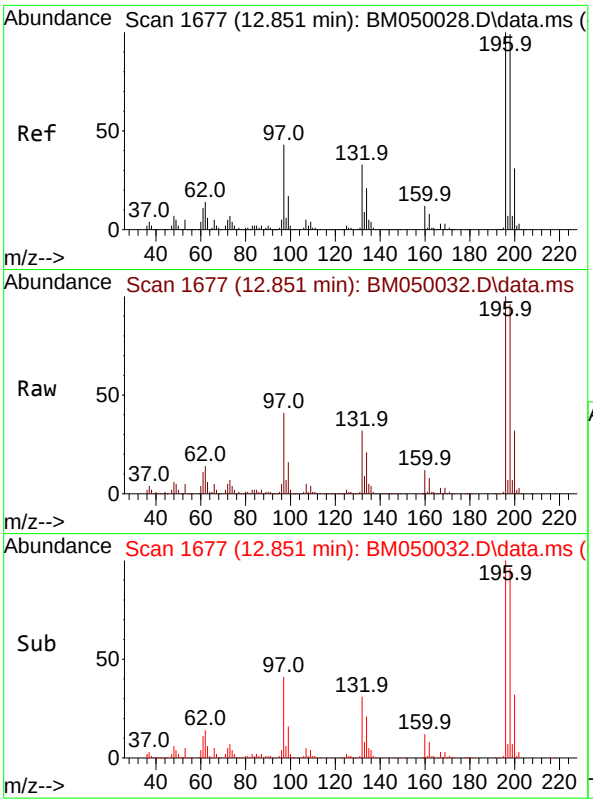


#42
2,4,6-Tribromophenol
Concen: 90.503 ng
RT: 15.904 min Scan# 2196
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:330 Resp: 810732

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.3	115.9
141	28.0	22.5	33.7



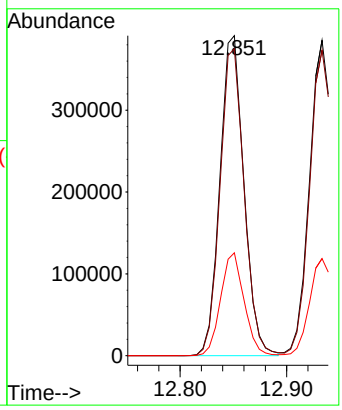


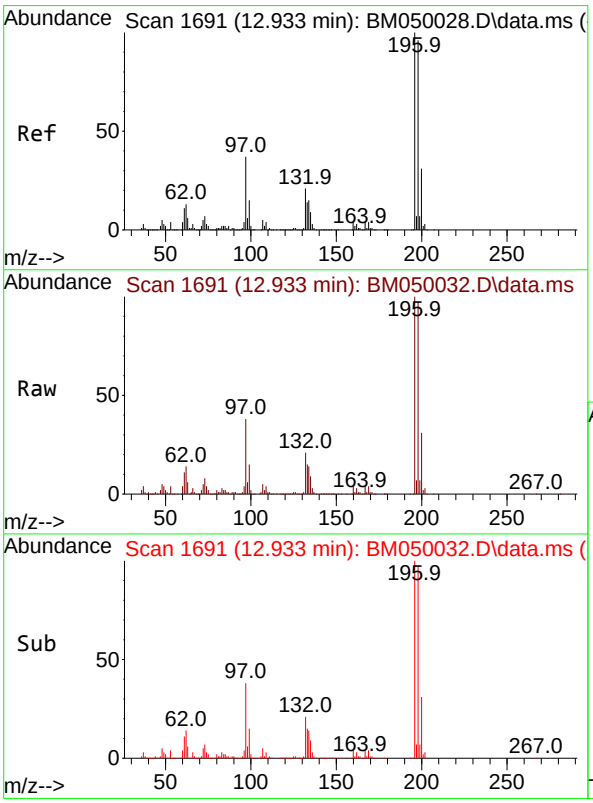
#43
2,4,6-Trichlorophenol
Concen: 46.094 ng
RT: 12.851 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion:196 Resp: 613142

Ion	Ratio	Lower	Upper
196	100		
198	95.9	79.0	118.6
200	32.2	25.1	37.7

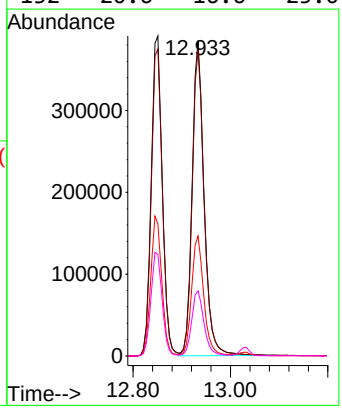


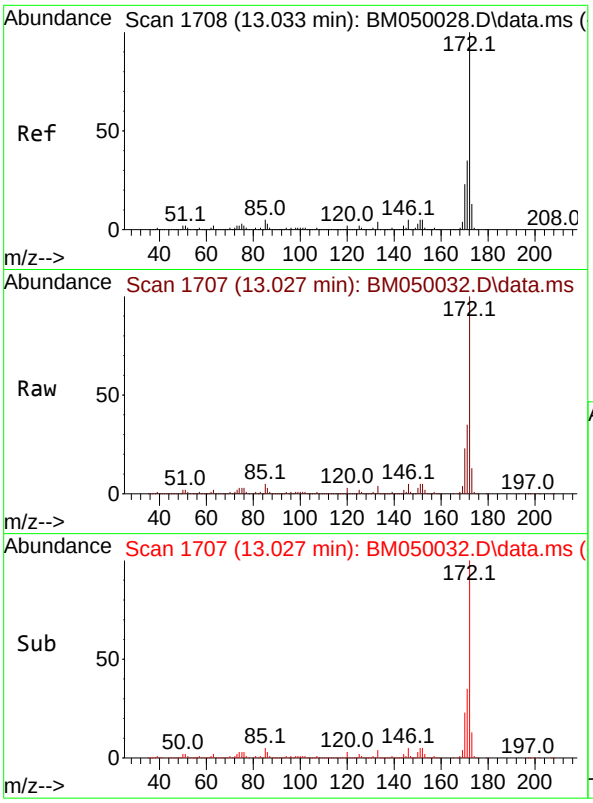


#44
2,4,5-Trichlorophenol
Concen: 46.271 ng
RT: 12.933 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:196 Resp: 663718

Ion	Ratio	Lower	Upper
196	100		
198	96.9	76.7	115.1
97	38.0	30.1	45.1
132	20.6	16.6	25.0



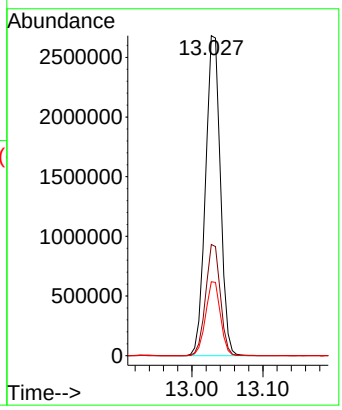


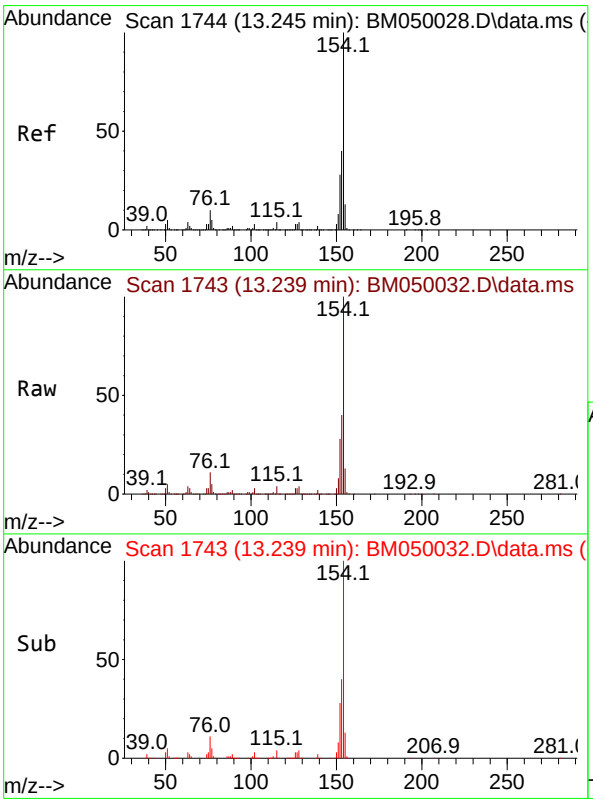
#45
2-Fluorobiphenyl
Concen: 76.259 ng
RT: 13.027 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion:172 Resp: 3905385

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.8	41.6
170	23.1	18.6	28.0

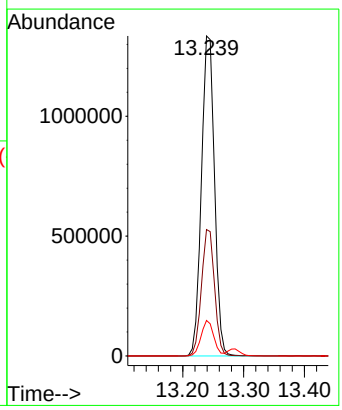


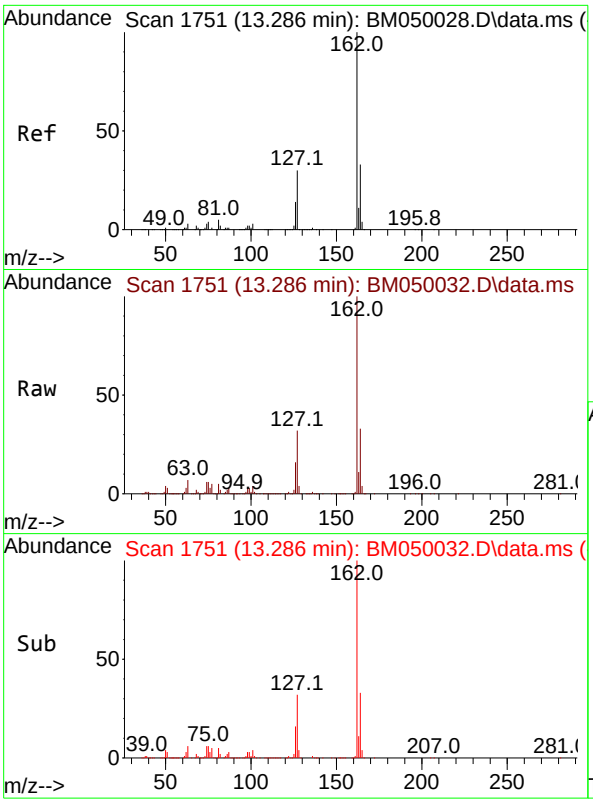


#46
1,1'-Biphenyl
Concen: 44.207 ng
RT: 13.239 min Scan# 1743
Delta R.T. -0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:154 Resp: 1990852

Ion	Ratio	Lower	Upper
154	100		
153	39.5	20.0	60.0
76	11.1	0.0	30.3



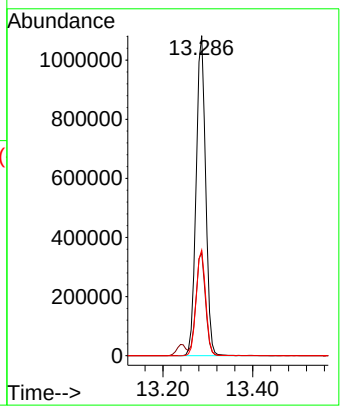


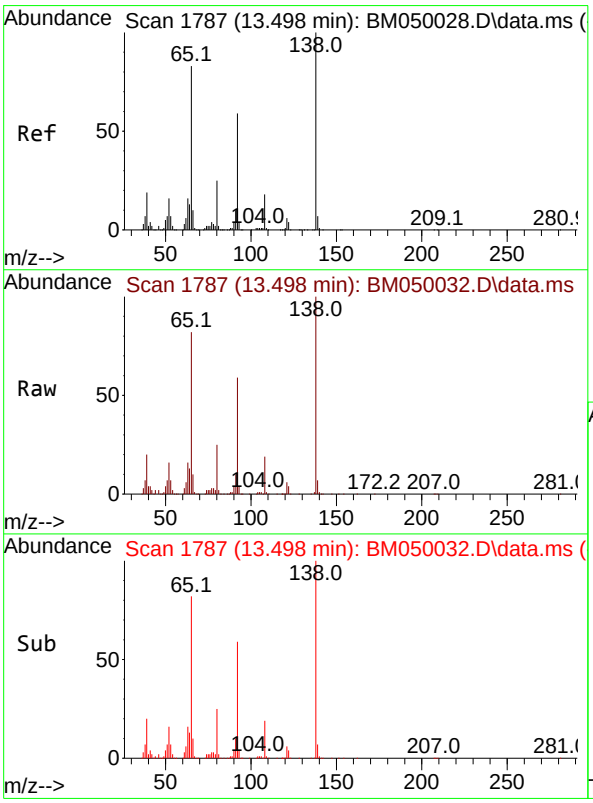
#47
2-Chloronaphthalene
Concen: 44.684 ng
RT: 13.286 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion:162 Resp: 1593769

Ion	Ratio	Lower	Upper
162	100		
127	32.2	25.9	38.9
164	33.0	26.6	40.0

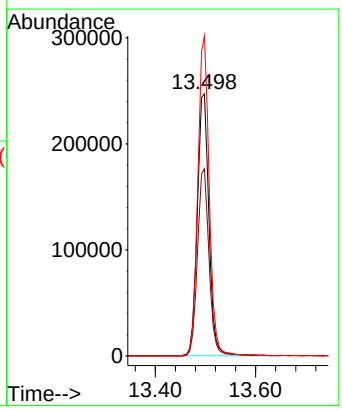


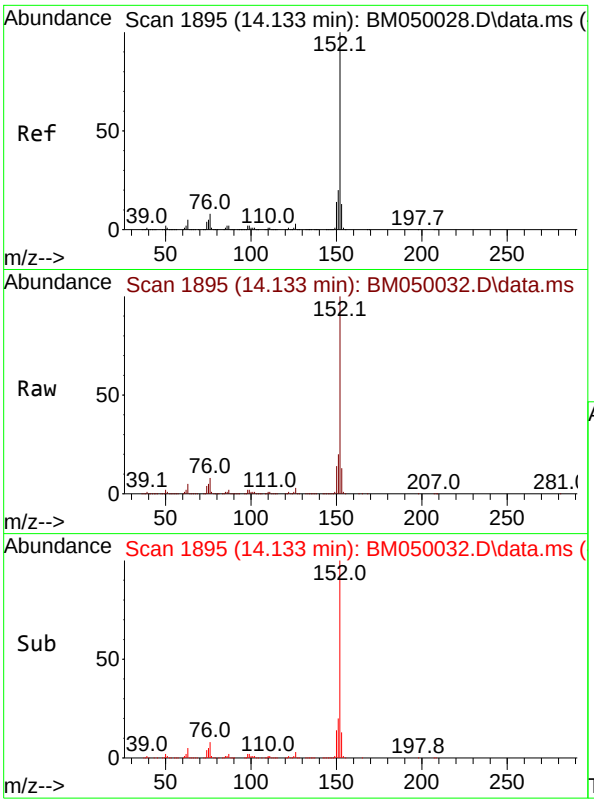


#48
2-Nitroaniline
Concen: 47.621 ng
RT: 13.498 min Scan# 1787
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion: 65 Resp: 398645

Ion	Ratio	Lower	Upper
65	100		
92	71.5	57.1	85.7
138	122.1	97.0	145.4



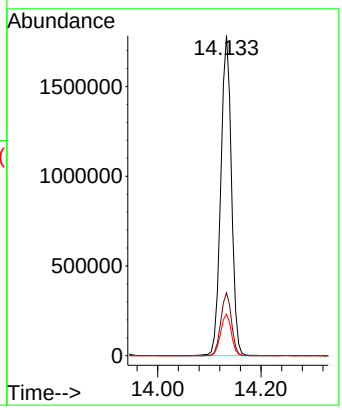


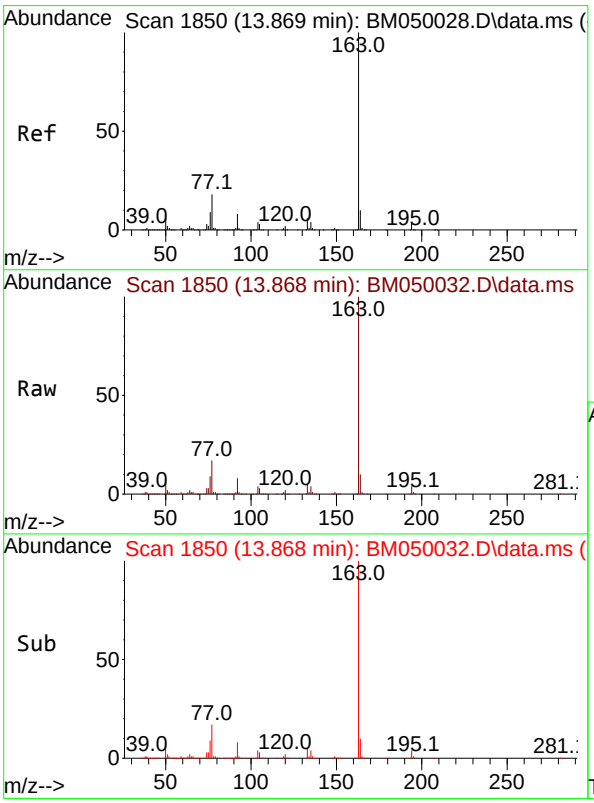
#49
Acenaphthylene
Concen: 45.315 ng
RT: 14.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion:152 Resp: 2548342

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.8
153	13.0	10.6	15.8

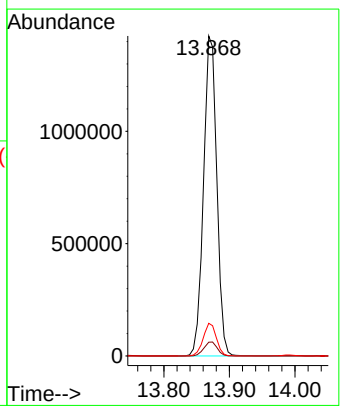


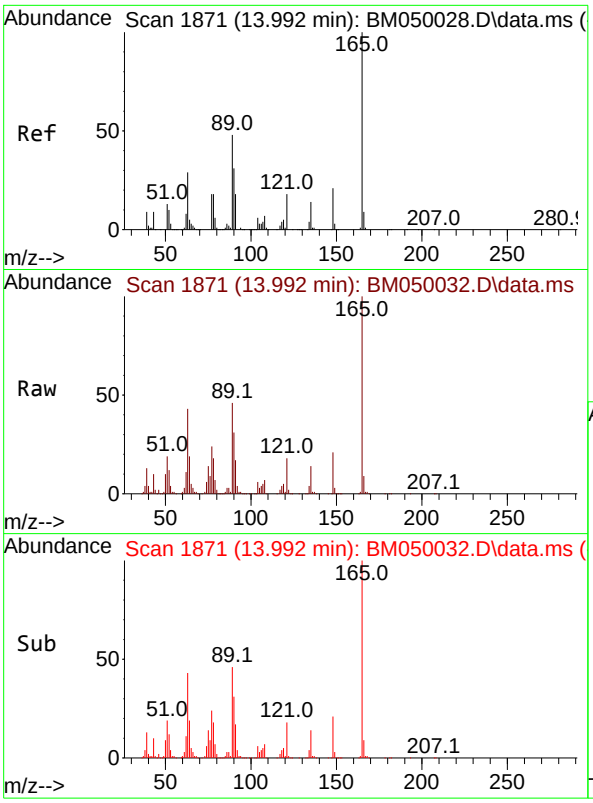


#50
Dimethylphthalate
Concen: 45.338 ng
RT: 13.868 min Scan# 1850
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:163 Resp: 2007342

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.2	8.2	12.2



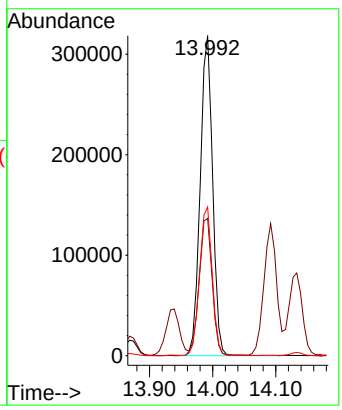


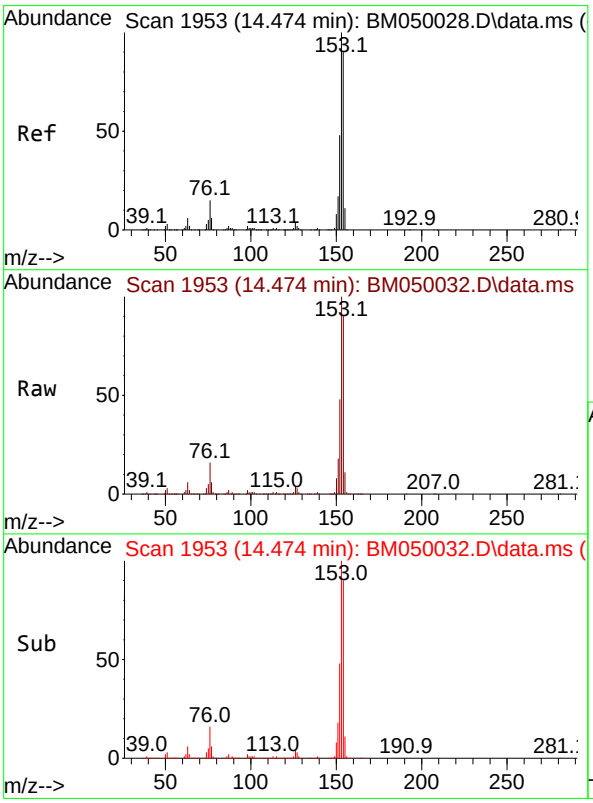
#51
2,6-Dinitrotoluene
Concen: 47.554 ng
RT: 13.992 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion:165 Resp: 435925

Ion	Ratio	Lower	Upper
165	100		
63	42.9	35.1	52.7
89	46.4	38.4	57.6

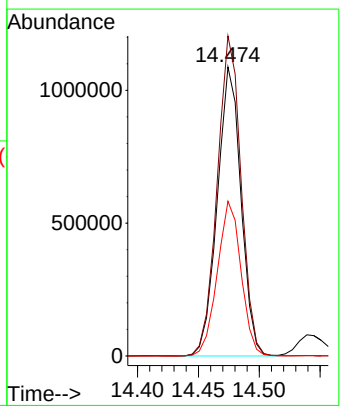


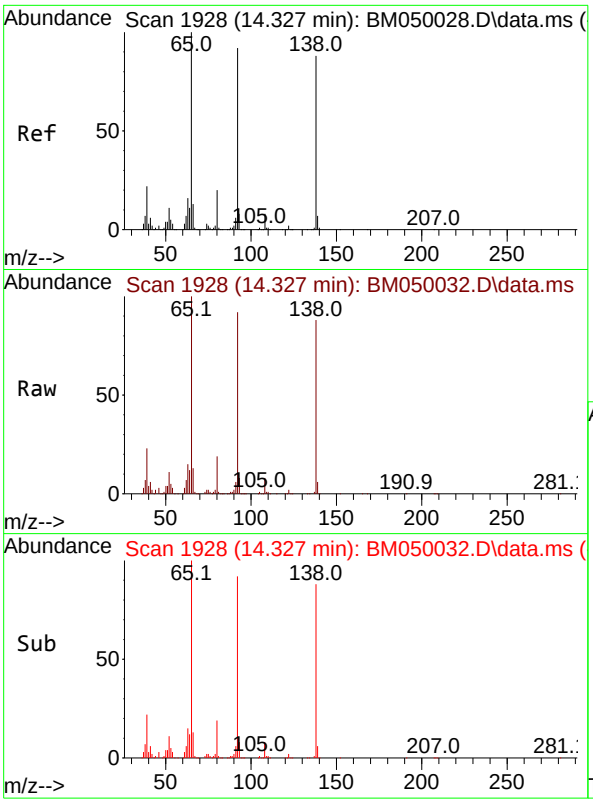


#52
Acenaphthene
Concen: 45.210 ng
RT: 14.474 min Scan# 1953
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:154 Resp: 1471672

Ion	Ratio	Lower	Upper
154	100		
153	110.7	89.0	133.4
152	53.5	43.0	64.6



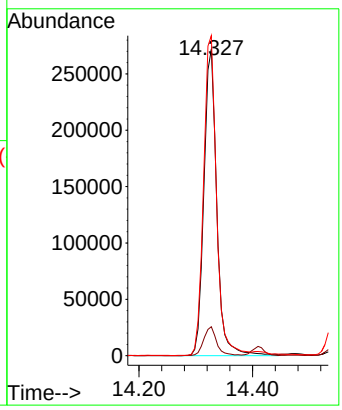


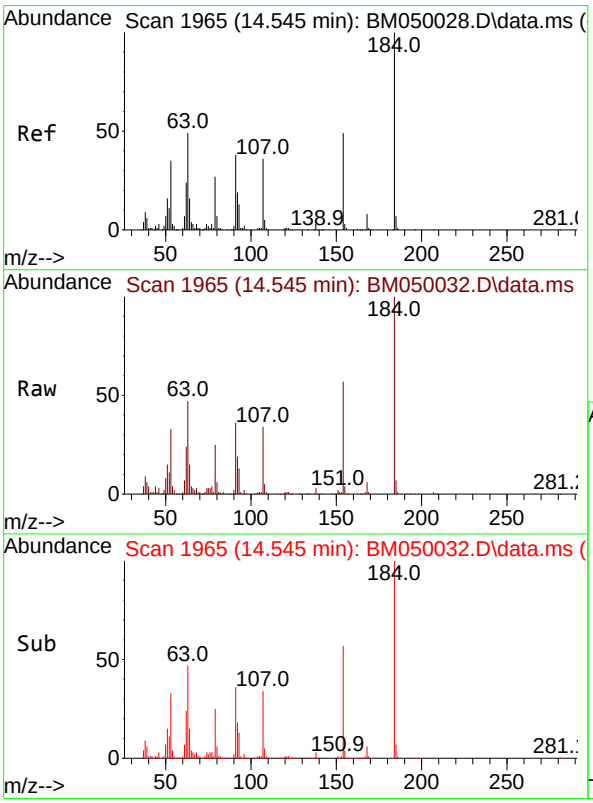
#53
3-Nitroaniline
Concen: 48.843 ng
RT: 14.327 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion:138 Resp: 427464

Ion	Ratio	Lower	Upper
138	100		
108	9.5	7.4	11.2
92	104.5	84.0	126.0

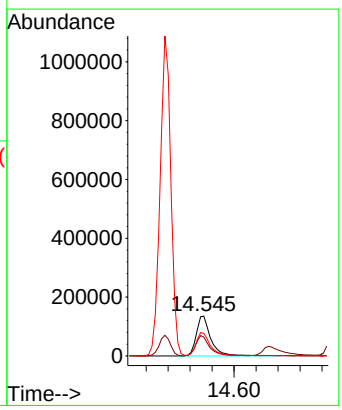


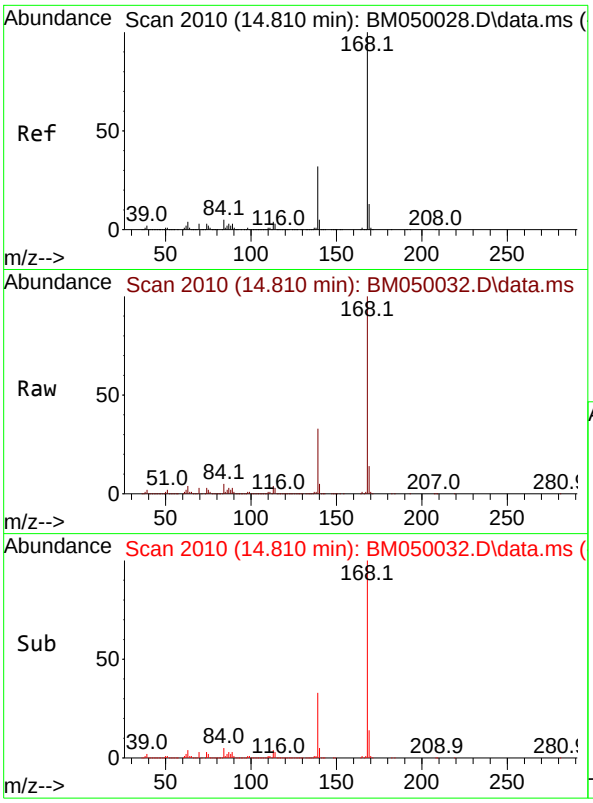


#54
2,4-Dinitrophenol
Concen: 45.189 ng
RT: 14.545 min Scan# 1965
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:184 Resp: 249307

Ion	Ratio	Lower	Upper
184	100		
63	47.3	39.8	59.6
154	56.7	46.1	69.1



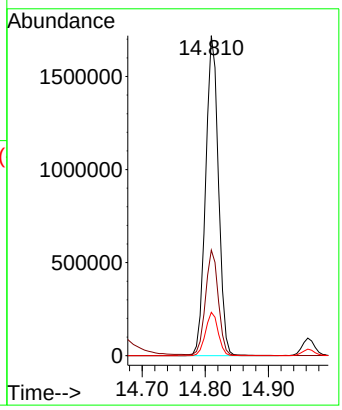


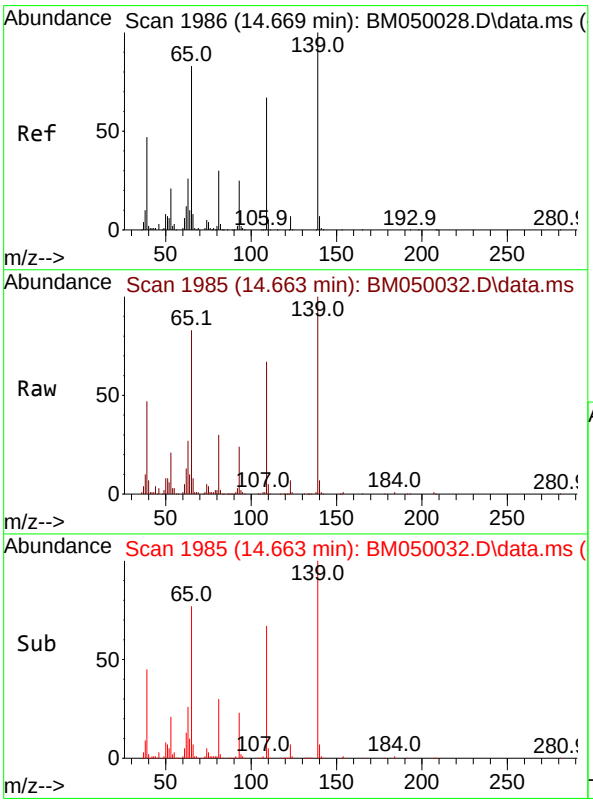
#55
Dibenzofuran
Concen: 44.828 ng
RT: 14.810 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion:168 Resp: 2427830

Ion	Ratio	Lower	Upper
168	100		
139	33.0	26.1	39.1
169	13.5	10.8	16.2

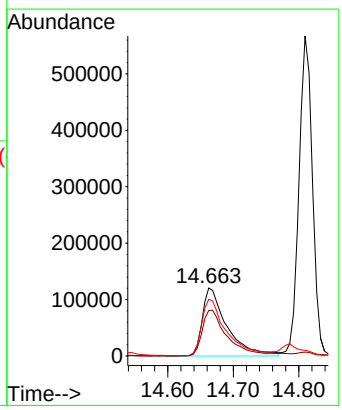


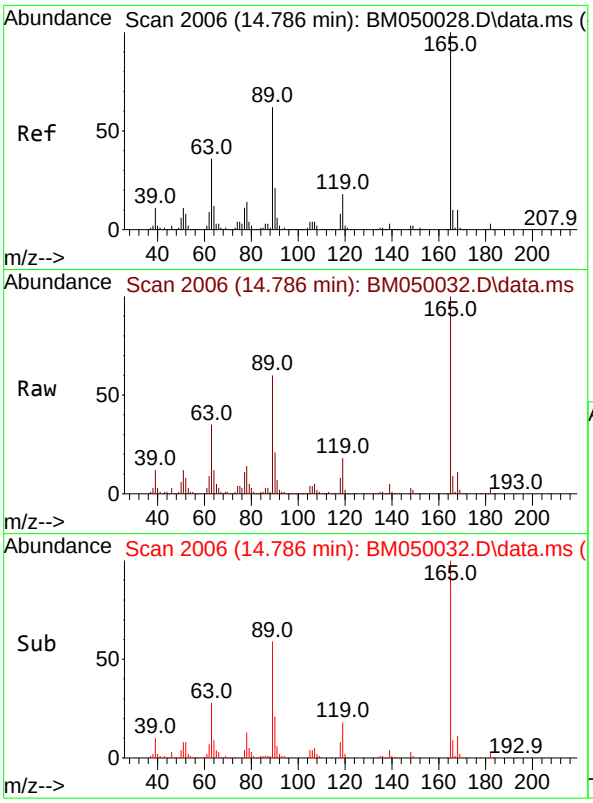


#56
4-Nitrophenol
Concen: 46.012 ng
RT: 14.663 min Scan# 1985
Delta R.T. -0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:139 Resp: 313065

Ion	Ratio	Lower	Upper
139	100		
109	66.8	47.0	87.0
65	83.4	64.3	104.3



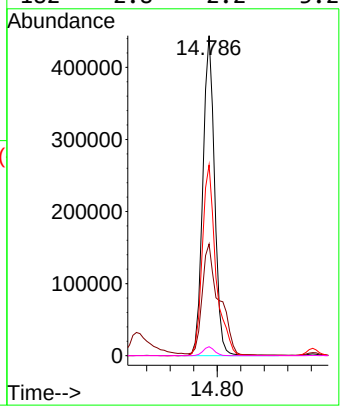


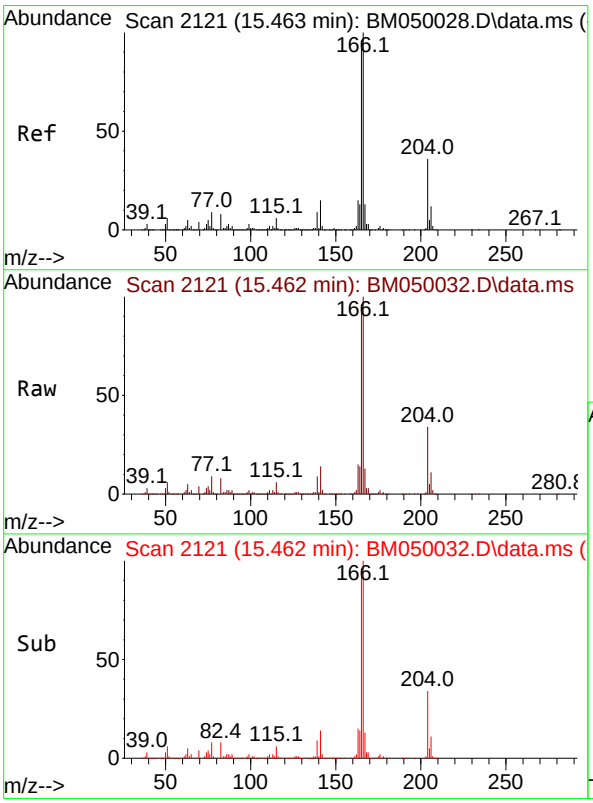
#57
2,4-Dinitrotoluene
Concen: 48.311 ng
RT: 14.786 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion:165 Resp: 611943

Ion	Ratio	Lower	Upper
165	100		
63	34.9	29.0	43.6
89	59.6	49.4	74.2
182	2.8	2.2	3.2

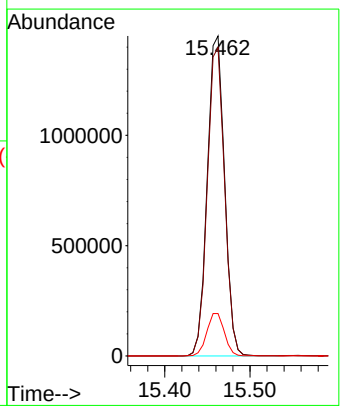


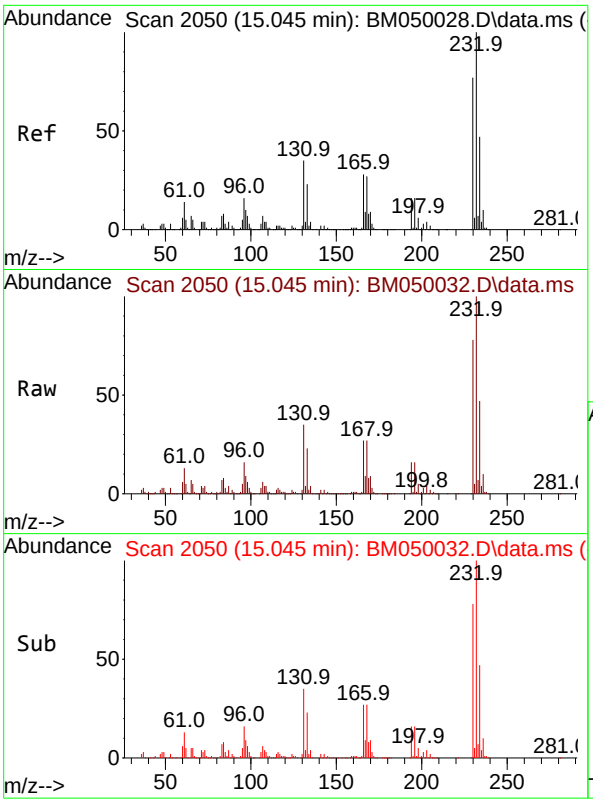


#58
Fluorene
Concen: 46.115 ng
RT: 15.462 min Scan# 2121
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:166 Resp: 2044284

Ion	Ratio	Lower	Upper
166	100		
165	96.4	76.6	115.0
167	13.3	10.6	16.0



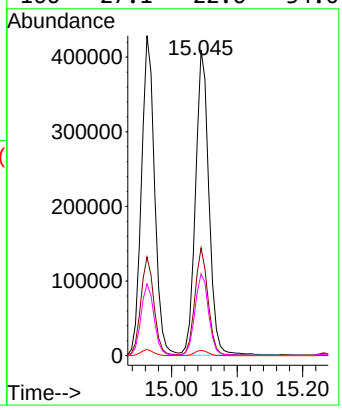


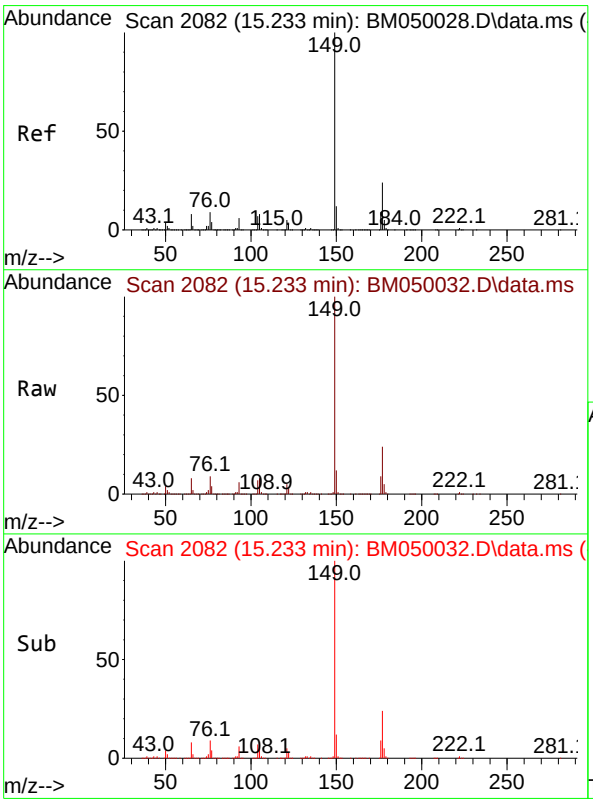
#59
2,3,4,6-Tetrachlorophenol
Concen: 46.970 ng
RT: 15.045 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion:232 Resp: 583198

Ion	Ratio	Lower	Upper
232	100		
131	34.5	28.2	42.4
130	1.8	1.5	2.3
166	27.1	22.6	34.0

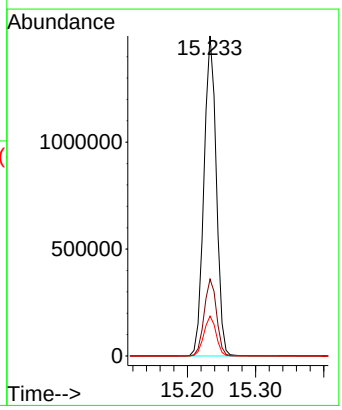


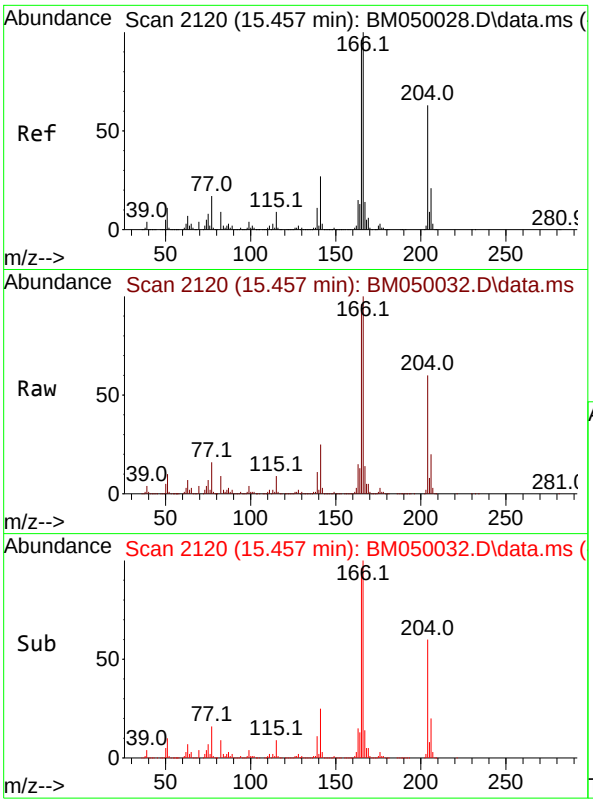


#60
Diethylphthalate
Concen: 45.299 ng
RT: 15.233 min Scan# 2082
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:149 Resp: 1889827

Ion	Ratio	Lower	Upper
149	100		
177	24.0	19.1	28.7
150	12.4	9.6	14.4



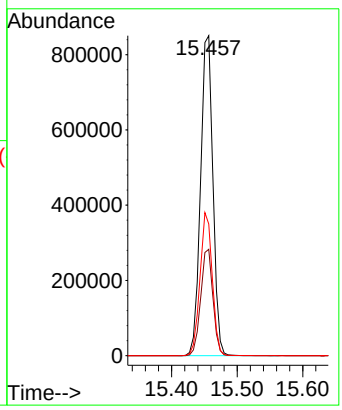


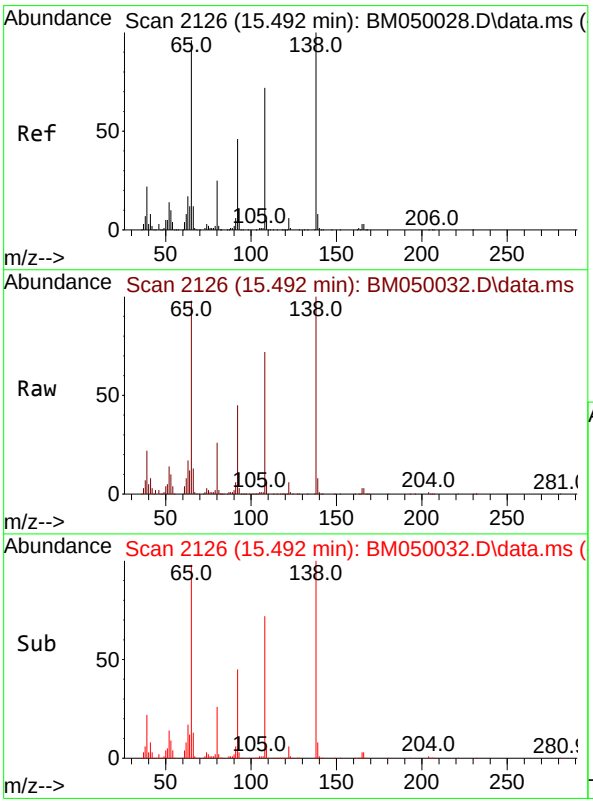
#61
4-Chlorophenyl-phenylether
Concen: 45.950 ng
RT: 15.457 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion:204 Resp: 1118837

Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.3	39.5
141	41.1	34.0	51.0

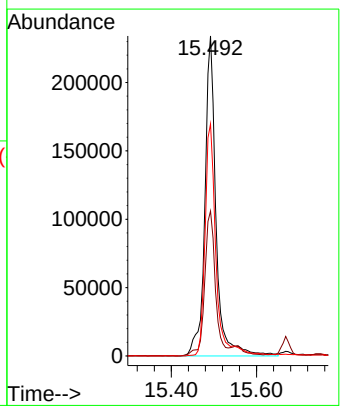


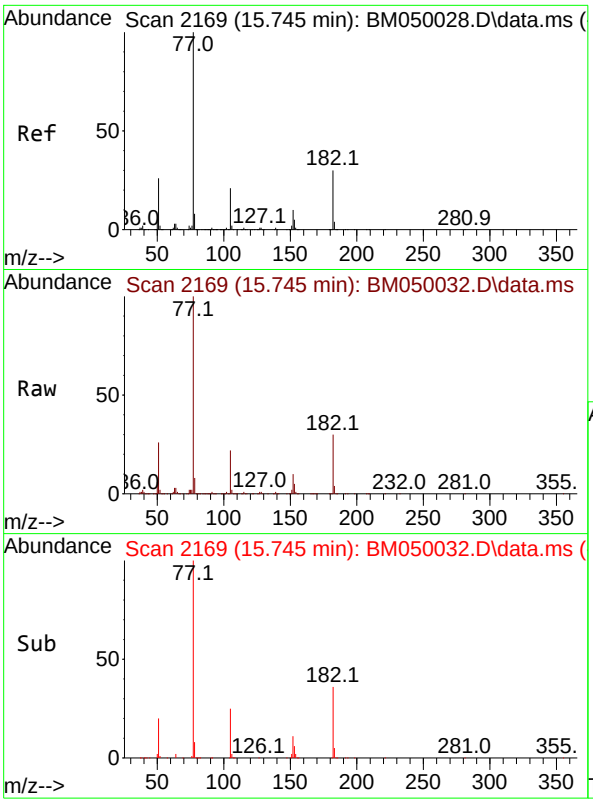


#62
4-Nitroaniline
Concen: 50.610 ng
RT: 15.492 min Scan# 2126
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:138 Resp: 427339

Ion	Ratio	Lower	Upper
138	100		
92	45.3	25.9	65.9
108	72.5	52.4	92.4



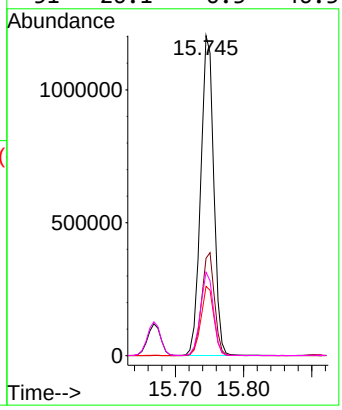


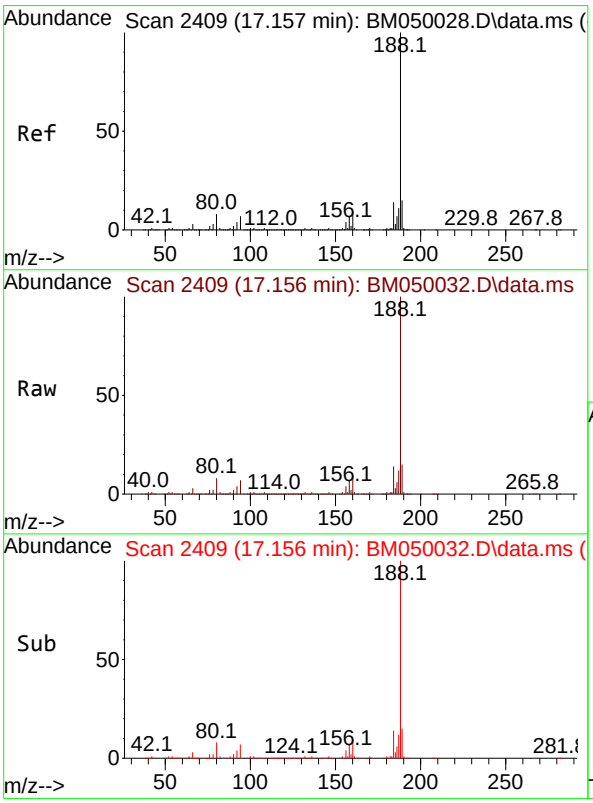
#63
Azobenzene
Concen: 45.747 ng
RT: 15.745 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion: 77 Resp: 1599489

Ion	Ratio	Lower	Upper
77	100		
182	30.5	10.5	50.5
105	21.6	1.1	41.1
51	26.1	6.3	46.3

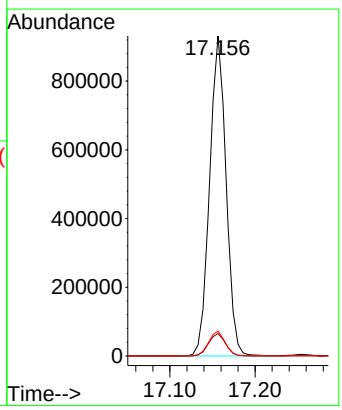


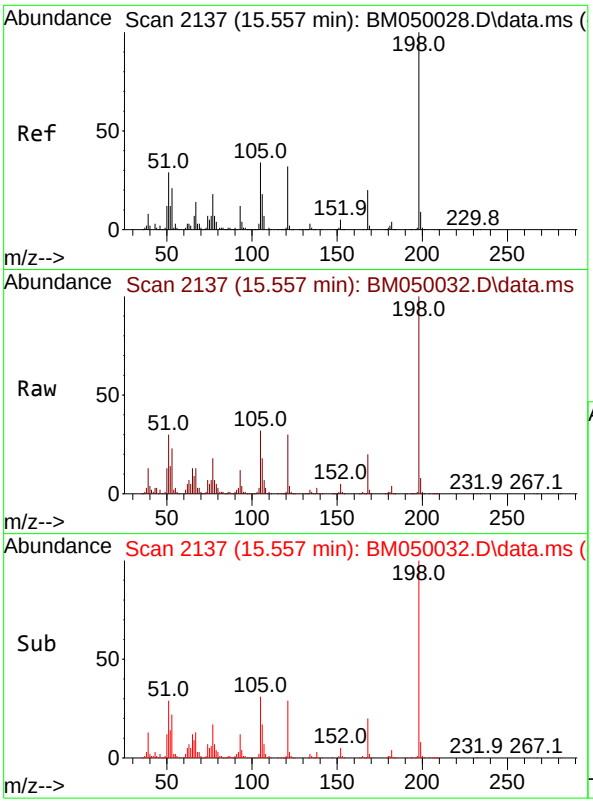


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.156 min Scan# 2409
Delta R.T. -0.001 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:188 Resp: 1251563

Ion	Ratio	Lower	Upper
188	100		
94	7.0	5.7	8.5
80	7.7	6.2	9.4



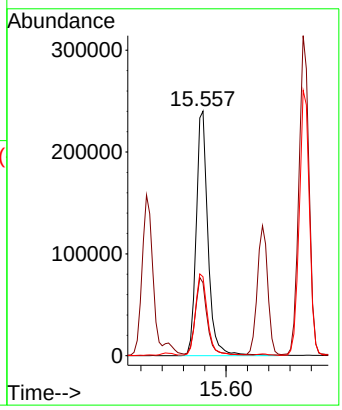


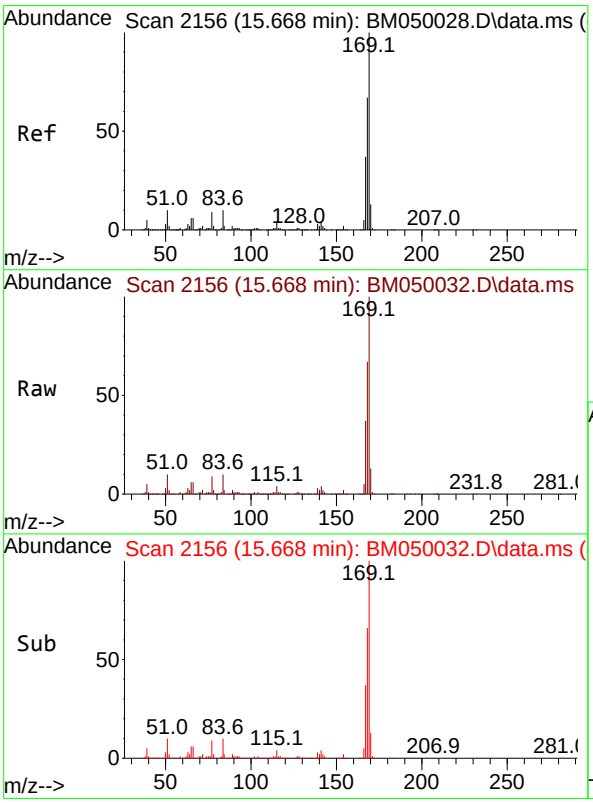
#65
4,6-Dinitro-2-methylphenol
Concen: 46.920 ng
RT: 15.557 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion:198 Resp: 367586

Ion	Ratio	Lower	Upper
198	100		
51	29.9	10.4	50.4
105	32.3	14.6	54.6

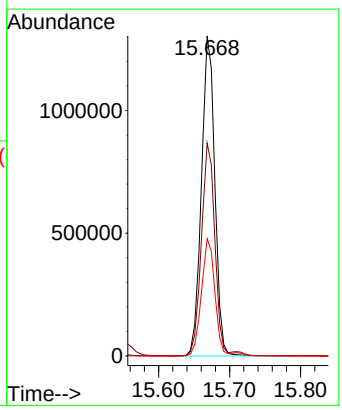


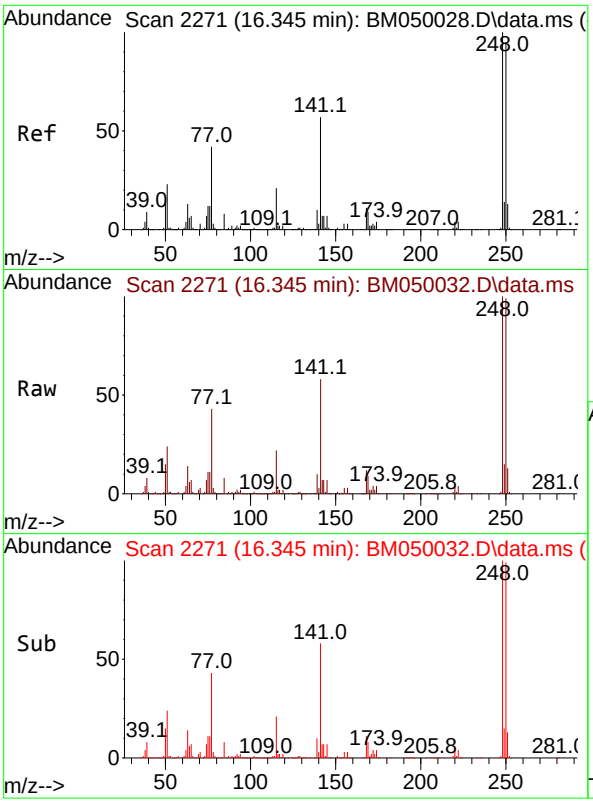


#66
n-Nitrosodiphenylamine
Concen: 44.485 ng
RT: 15.668 min Scan# 2156
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:169 Resp: 1709666

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.4	80.2
167	36.6	29.4	44.0



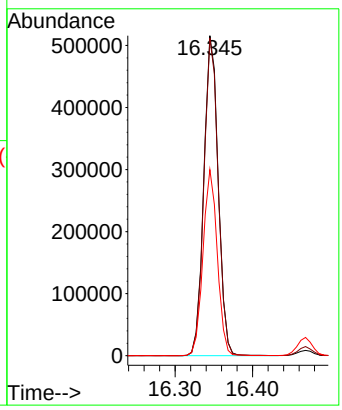


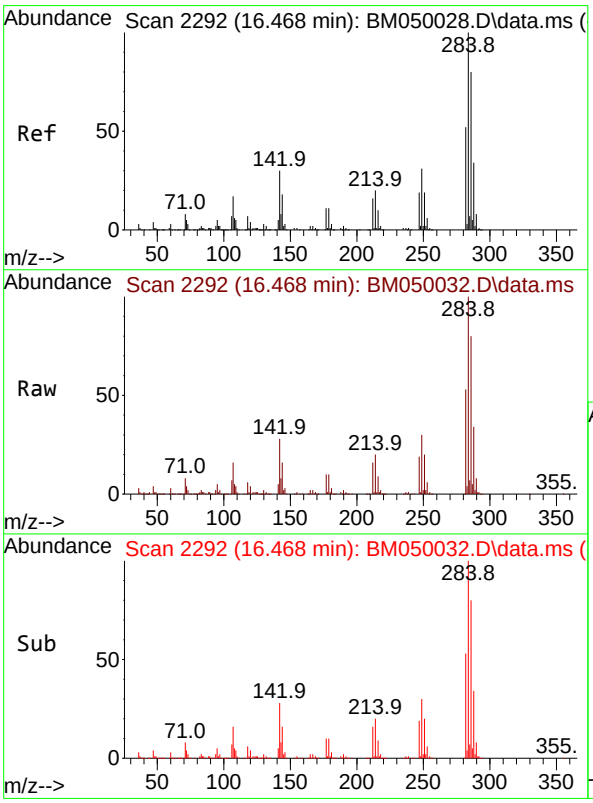
#67
4-Bromophenyl-phenylether
Concen: 43.944 ng
RT: 16.345 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion:248 Resp: 665088

Ion	Ratio	Lower	Upper
248	100		
250	99.3	76.2	114.2
141	58.1	45.9	68.9

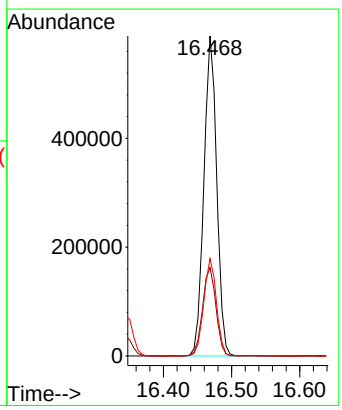


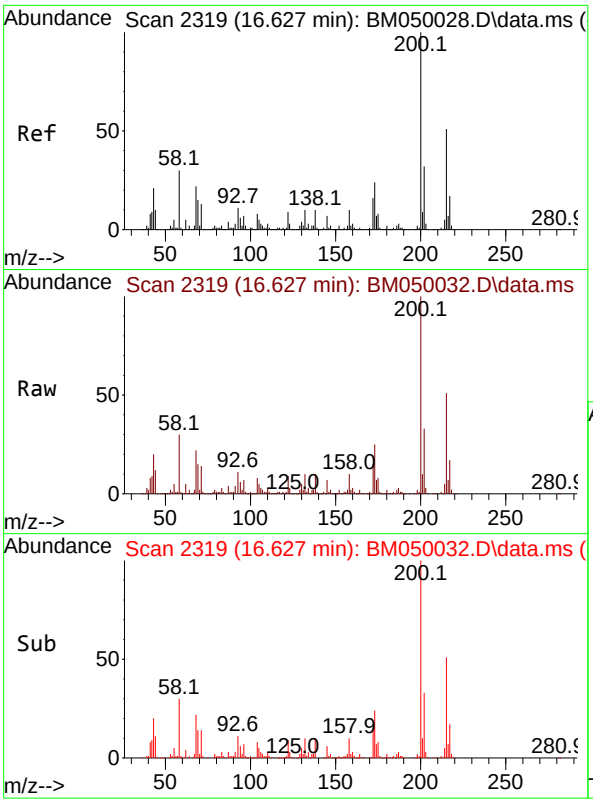


#68
Hexachlorobenzene
Concen: 44.174 ng
RT: 16.468 min Scan# 2292
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:284 Resp: 770651

Ion	Ratio	Lower	Upper
284	100		
142	27.6	23.9	35.9
249	30.4	24.5	36.7



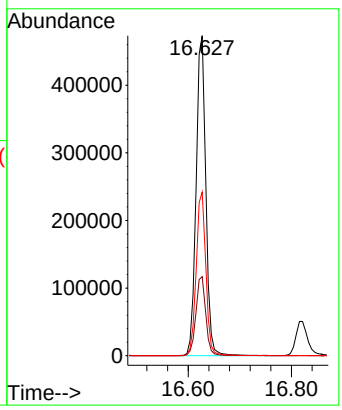


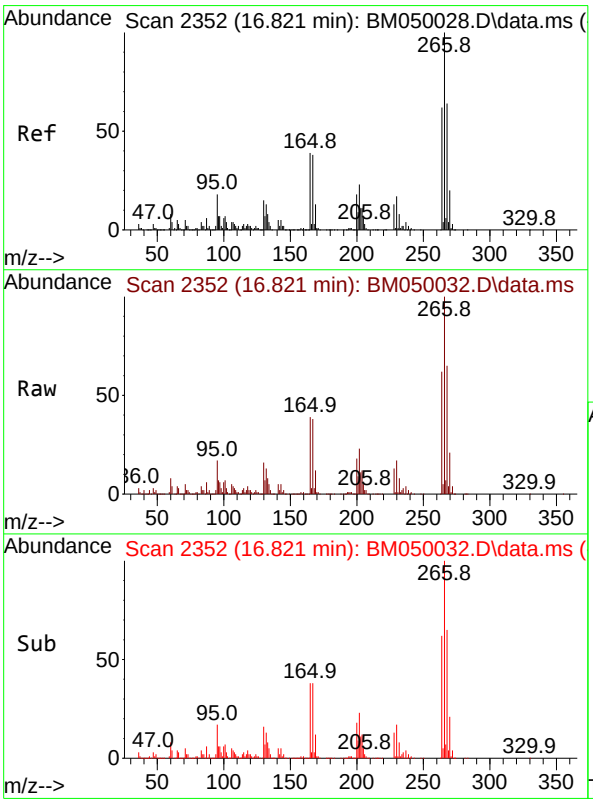
#69
Atrazine
Concen: 44.483 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion:200 Resp: 616670

Ion	Ratio	Lower	Upper
200	100		
173	24.7	4.3	44.3
215	51.1	30.6	70.6

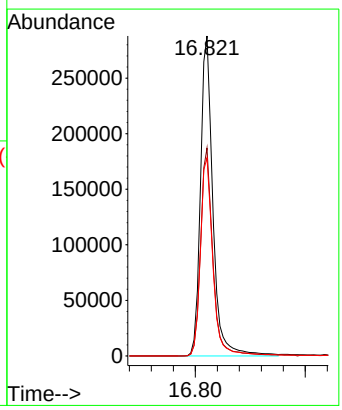


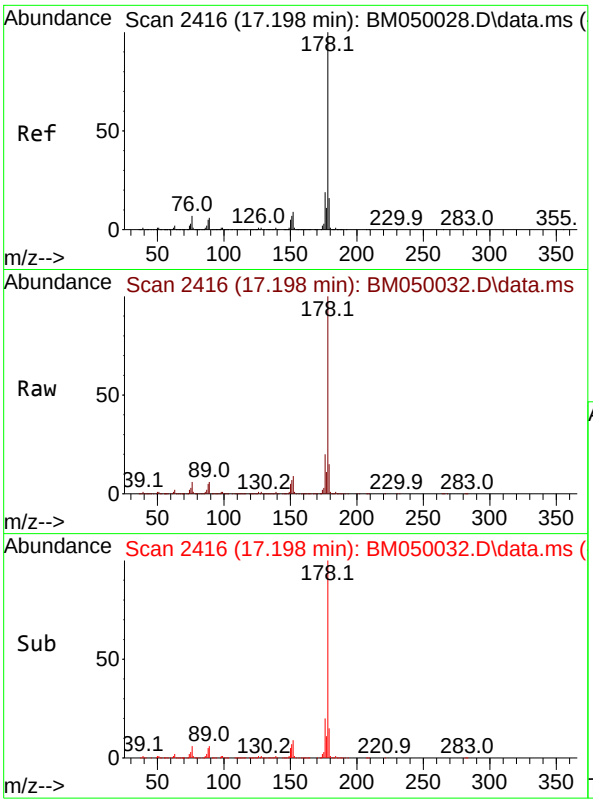


#70
Pentachlorophenol
Concen: 46.059 ng
RT: 16.821 min Scan# 2352
Delta R.T. 0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:266 Resp: 452303

Ion	Ratio	Lower	Upper
266	100		
268	64.9	51.2	76.8
264	61.9	49.6	74.4



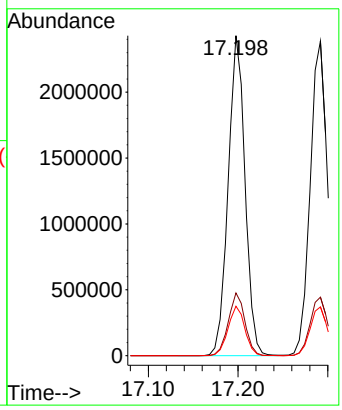


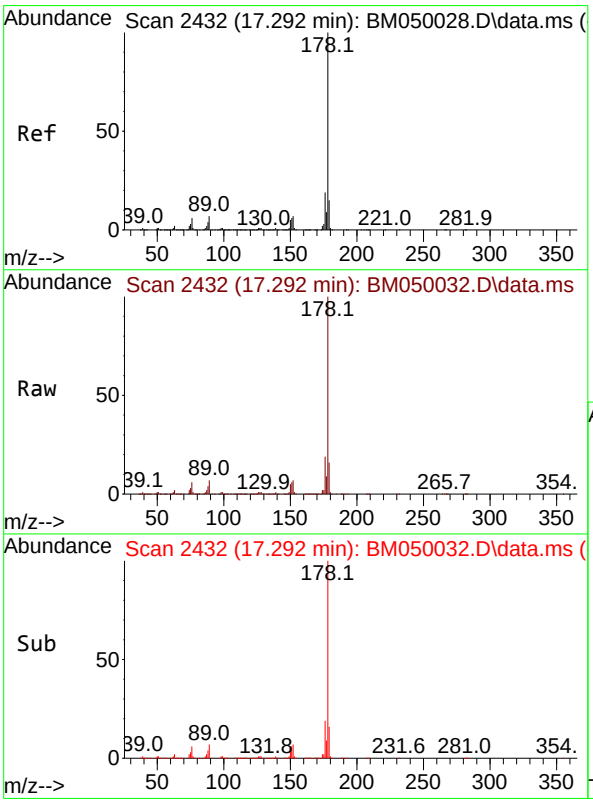
#71
Phenanthrene
Concen: 44.895 ng
RT: 17.198 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion:178 Resp: 3169143

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.3	22.9
179	15.4	12.4	18.6

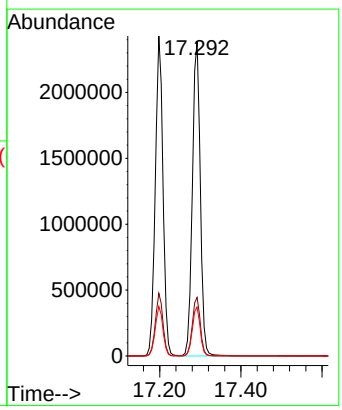


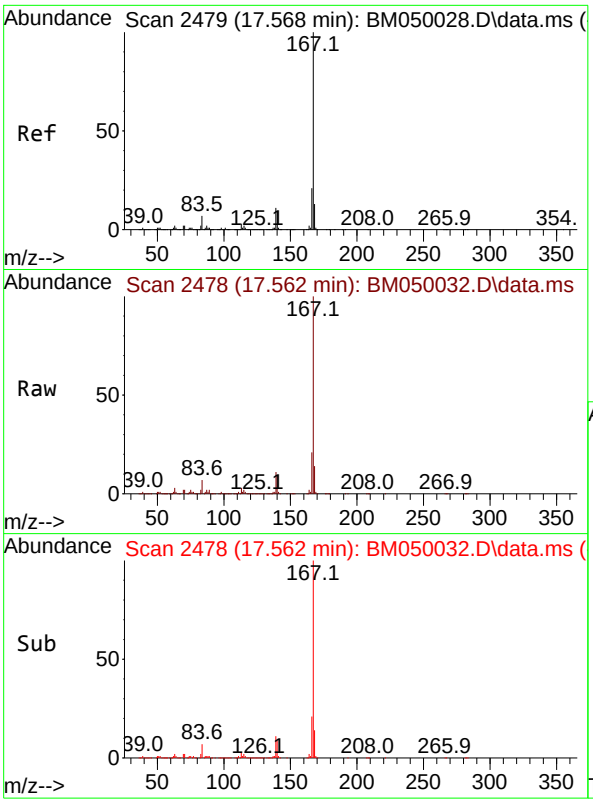


#72
Anthracene
Concen: 45.381 ng
RT: 17.292 min Scan# 2432
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:178 Resp: 3241829

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.4
179	15.5	12.2	18.4



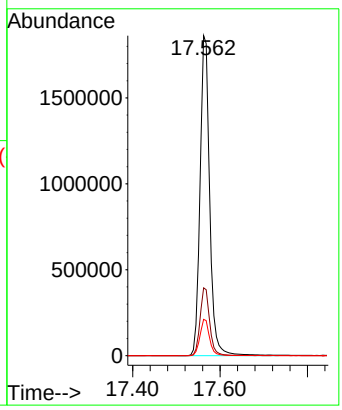


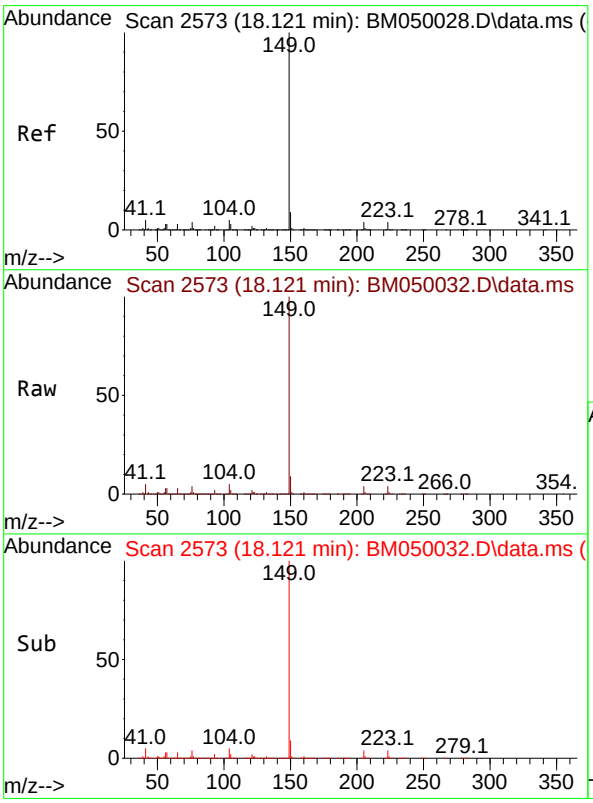
#73
Carbazole
Concen: 46.001 ng
RT: 17.562 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion:167 Resp: 2851516

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.2	25.8
139	11.3	9.0	13.6

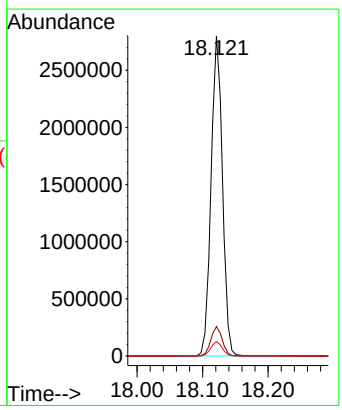


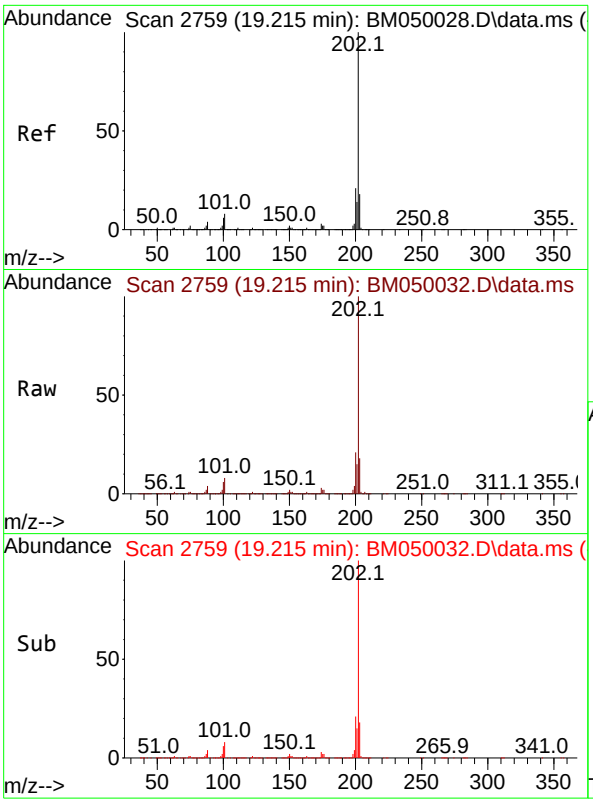


#74
Di-n-butylphthalate
Concen: 45.654 ng
RT: 18.121 min Scan# 2573
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:149 Resp: 3370238

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.5	3.8	5.6



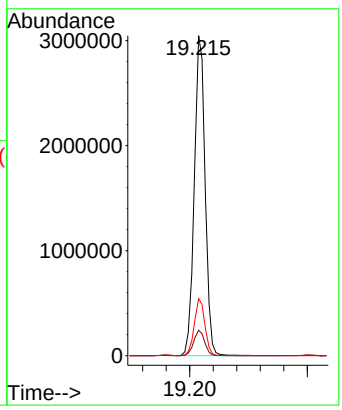


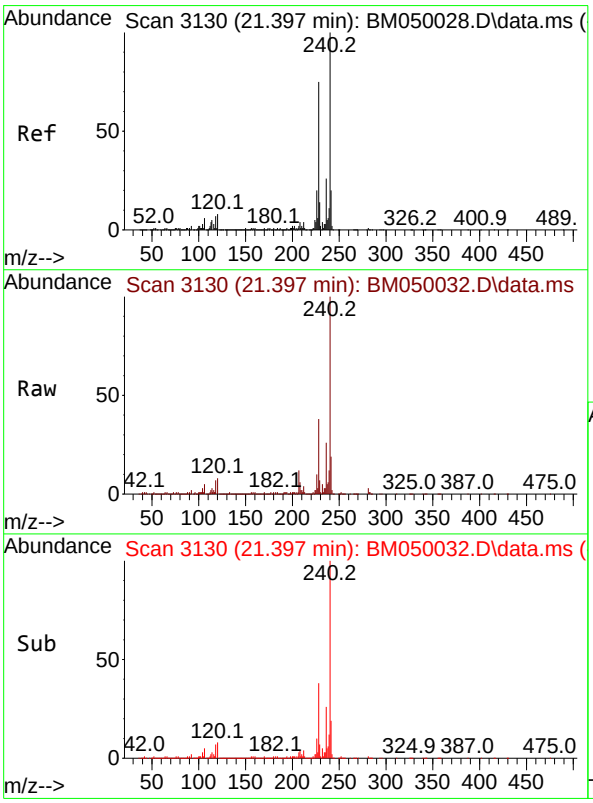
#75
Fluoranthene
Concen: 46.998 ng
RT: 19.215 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion:202 Resp: 3895046

Ion	Ratio	Lower	Upper
202	100		
101	8.0	0.0	28.0
203	17.9	0.0	37.7

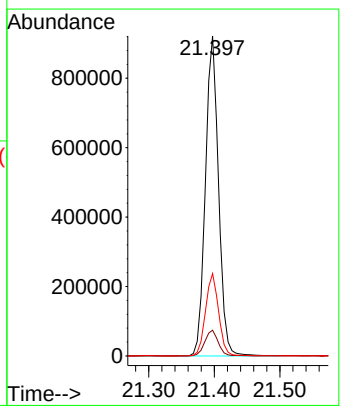


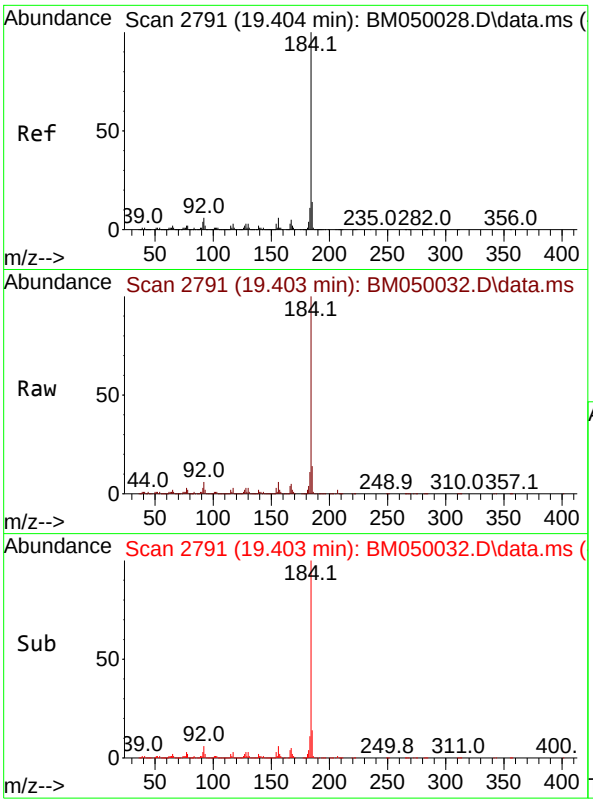


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3130
Delta R.T. 0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:240 Resp: 1285998

Ion	Ratio	Lower	Upper
240	100		
120	8.0	6.5	9.7
236	25.8	20.9	31.3



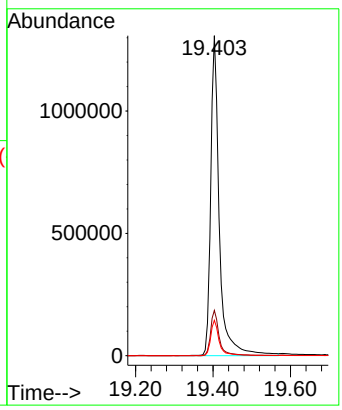


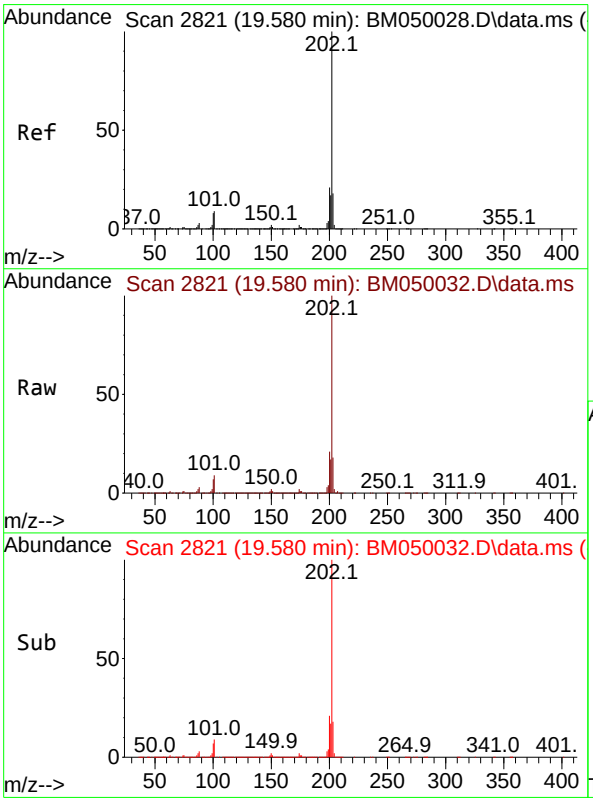
#77
Benzidine
Concen: 44.204 ng
RT: 19.403 min Scan# 2
Delta R.T. -0.001 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion:184 Resp: 2019202

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.5	17.3
183	11.0	8.9	13.3

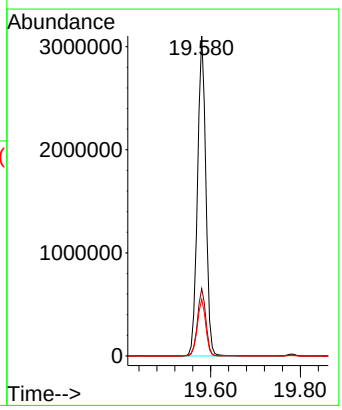


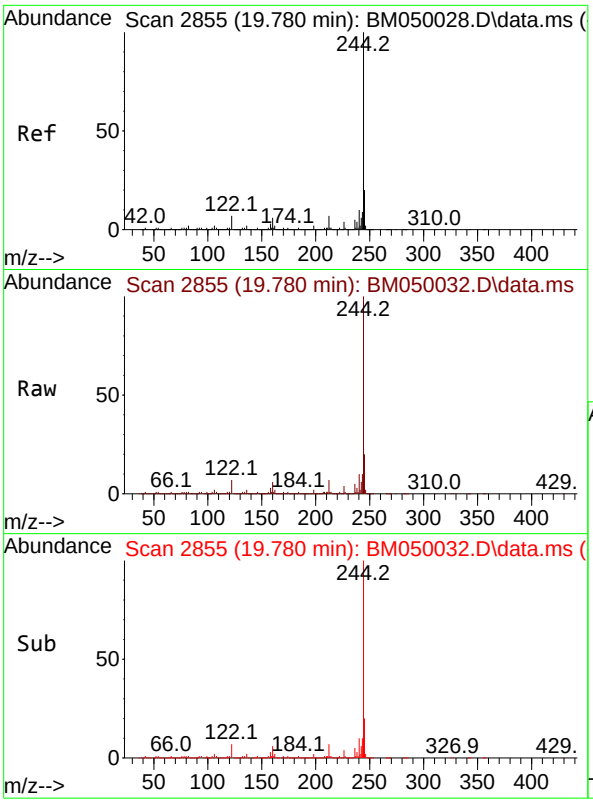


#78
Pyrene
Concen: 44.209 ng
RT: 19.580 min Scan# 2821
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:202 Resp: 3992384

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.7	14.1	21.1



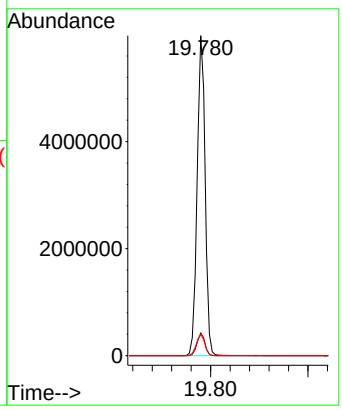


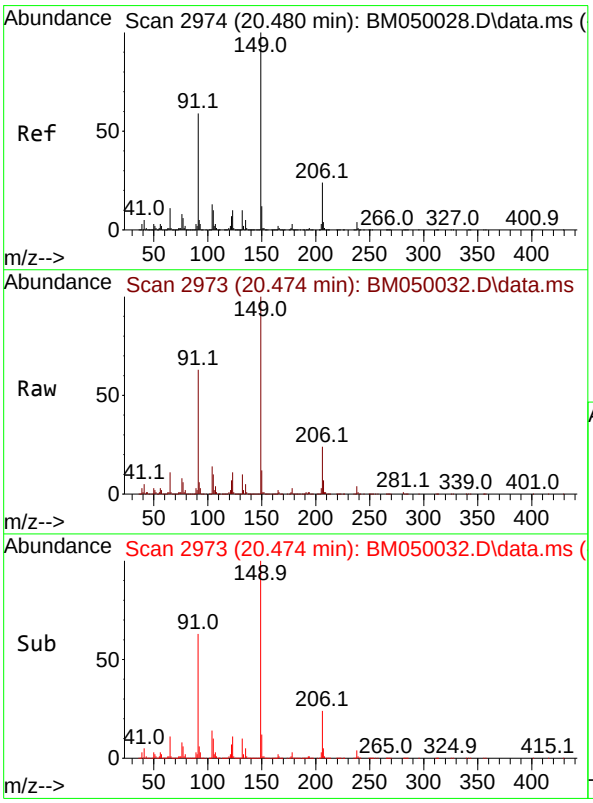
#79
Terphenyl-d14
Concen: 78.970 ng
RT: 19.780 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion:244 Resp: 6863055

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	6.6	5.6	8.4

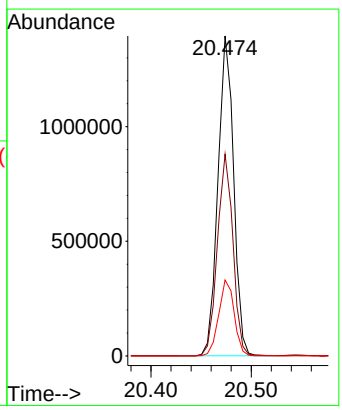


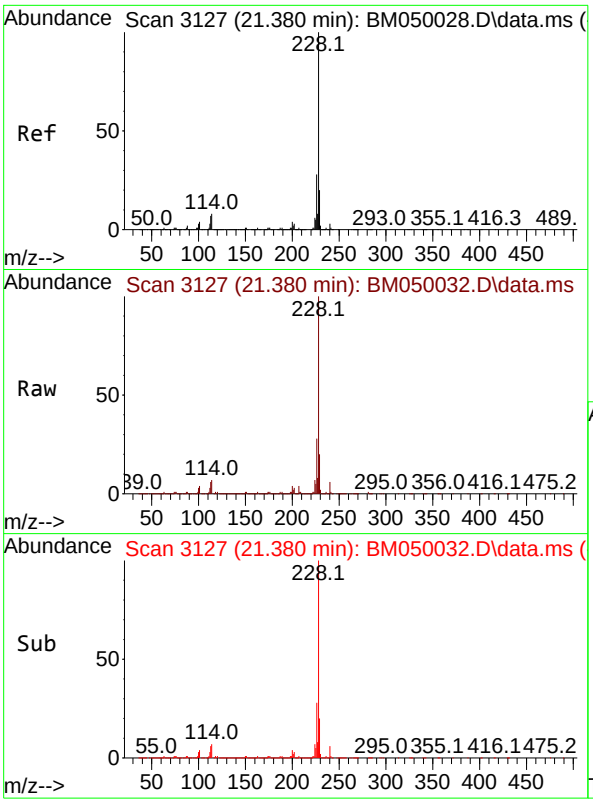


#80
Butylbenzylphthalate
Concen: 44.718 ng
RT: 20.474 min Scan# 2973
Delta R.T. -0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:149 Resp: 1512498

Ion	Ratio	Lower	Upper
149	100		
91	63.0	47.4	71.2
206	23.7	19.4	29.0



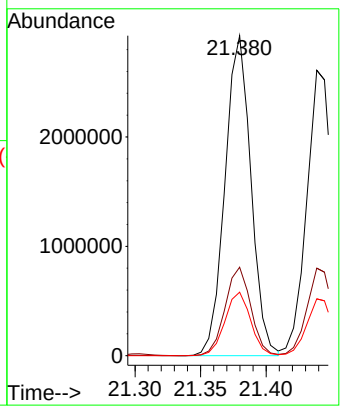


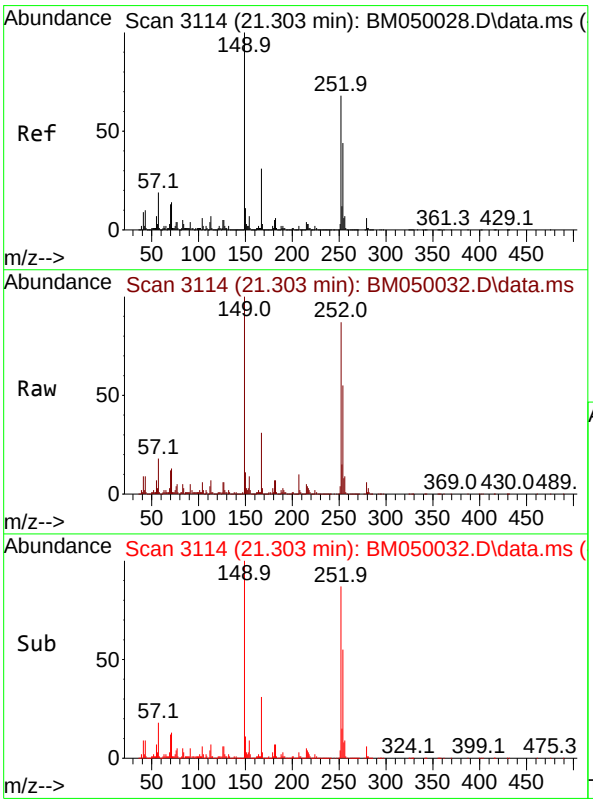
#81
Benzo(a)anthracene
Concen: 45.497 ng
RT: 21.380 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion:228 Resp: 4029064

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.1	33.1
229	19.8	15.7	23.5

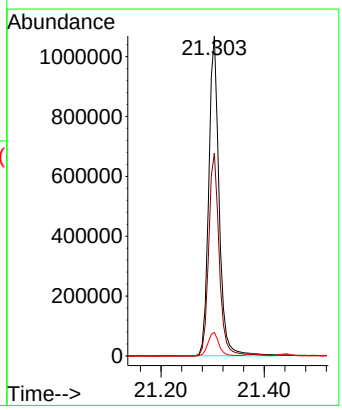


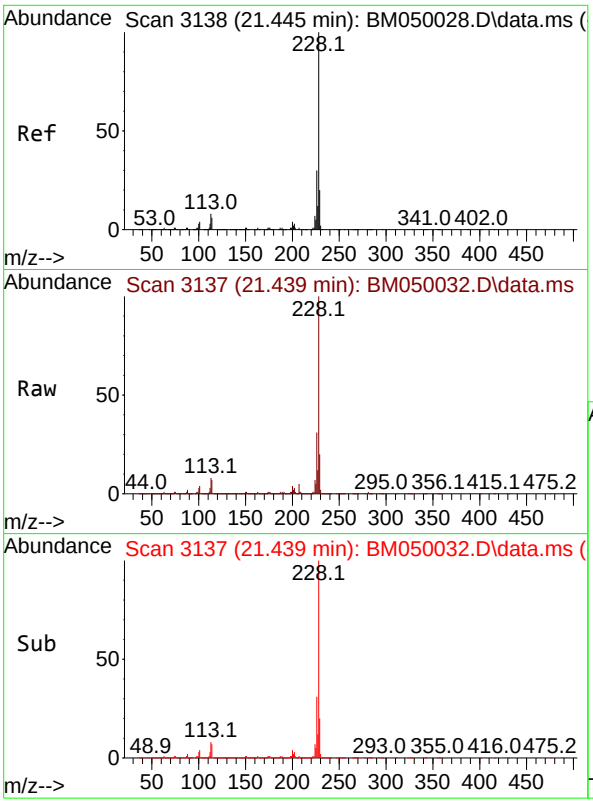


#82
3,3'-Dichlorobenzidine
Concen: 43.871 ng
RT: 21.303 min Scan# 3114
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:252 Resp: 1487254

Ion	Ratio	Lower	Upper
252	100		
254	63.3	51.8	77.6
126	7.4	6.0	9.0



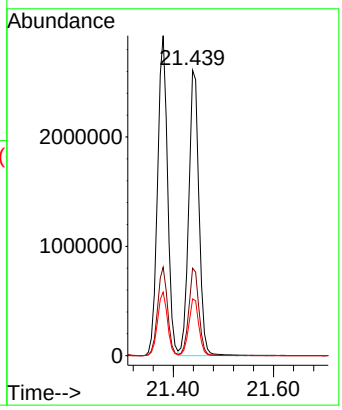


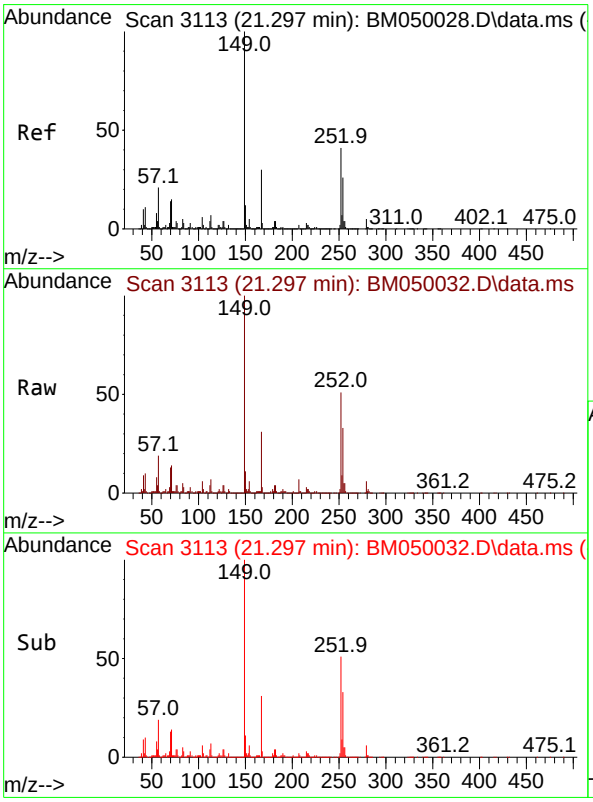
#83
Chrysene
Concen: 44.967 ng
RT: 21.439 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion:228 Resp: 3685603

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.2	36.2
229	19.9	15.7	23.5

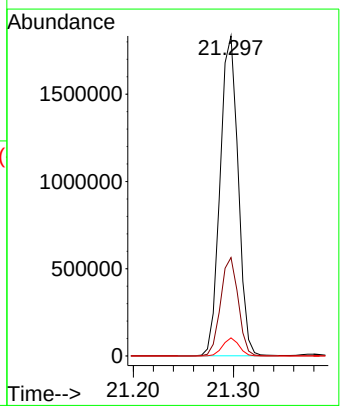


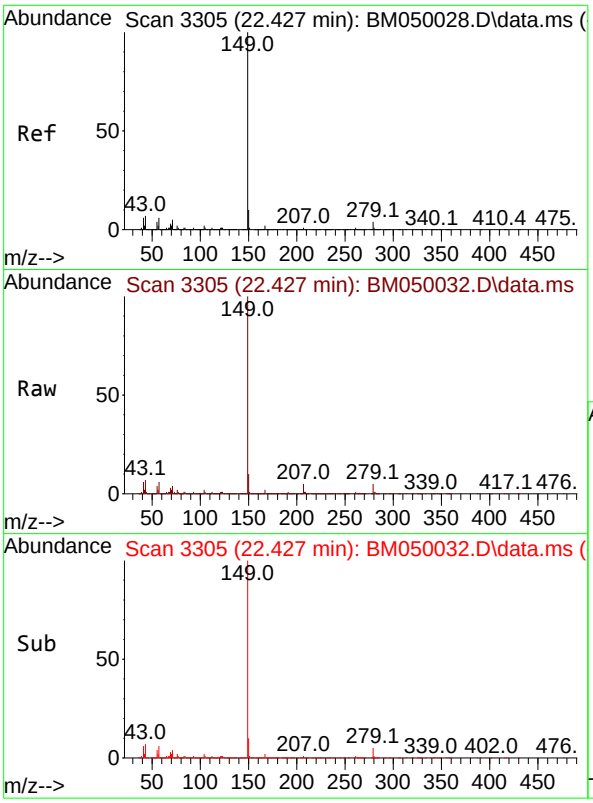


#84
Bis(2-ethylhexyl)phthalate
Concen: 45.224 ng
RT: 21.297 min Scan# 3113
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:149 Resp: 2284769

Ion	Ratio	Lower	Upper
149	100		
167	30.7	24.1	36.1
279	5.6	3.9	5.9



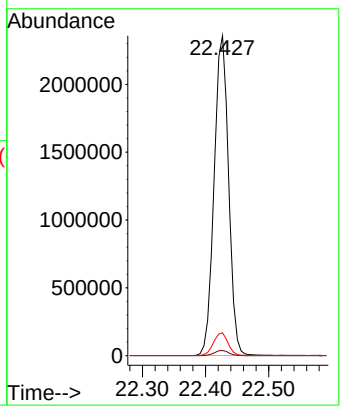


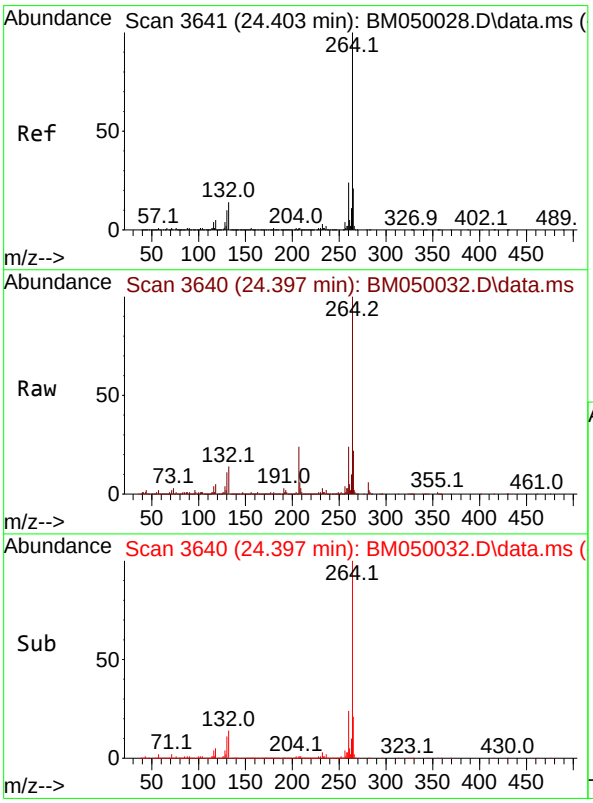
#85
Di-n-octyl phthalate
Concen: 44.974 ng
RT: 22.427 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion:149 Resp: 3747091

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.2	5.8	8.8

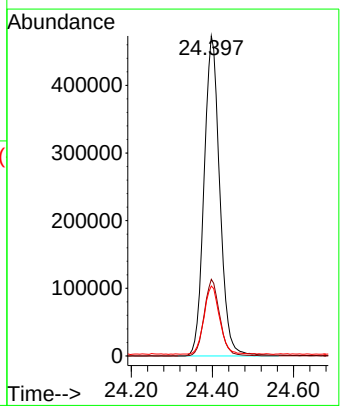


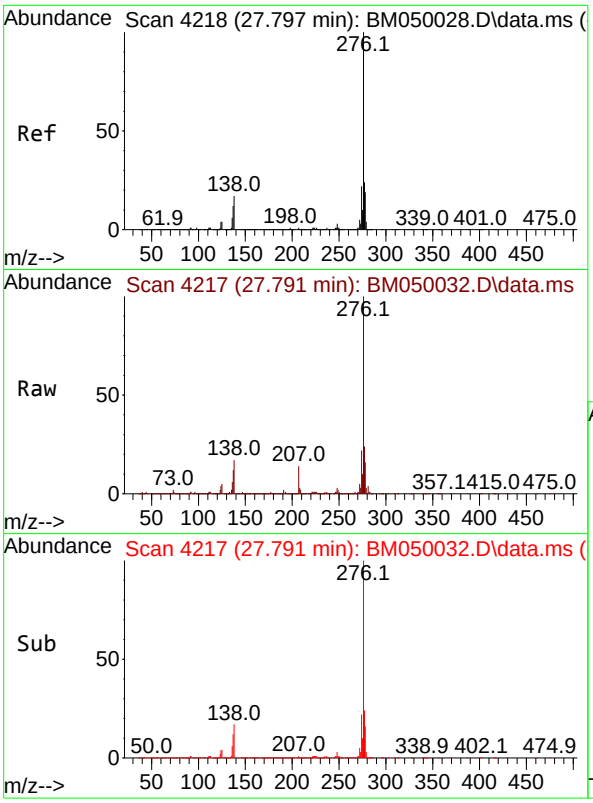


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.397 min Scan# 3640
Delta R.T. -0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:264 Resp: 1266367

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.8	28.2
265	21.9	17.0	25.4



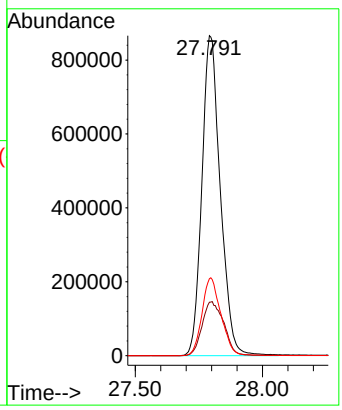


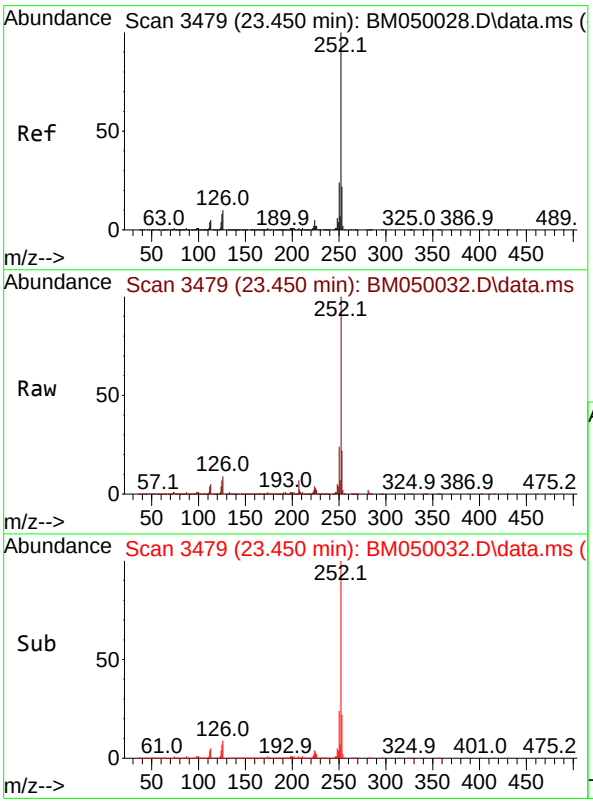
#87
Indeno(1,2,3-cd)pyrene
Concen: 46.249 ng
RT: 27.791 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion:276 Resp: 4364032

Ion	Ratio	Lower	Upper
276	100		
138	19.8	16.4	24.6
277	25.0	19.8	29.8

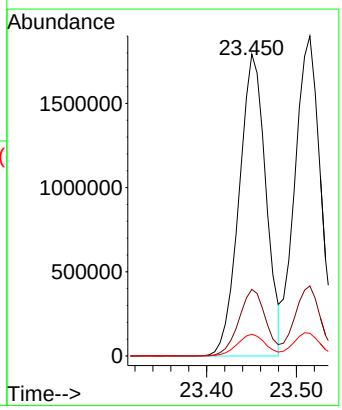


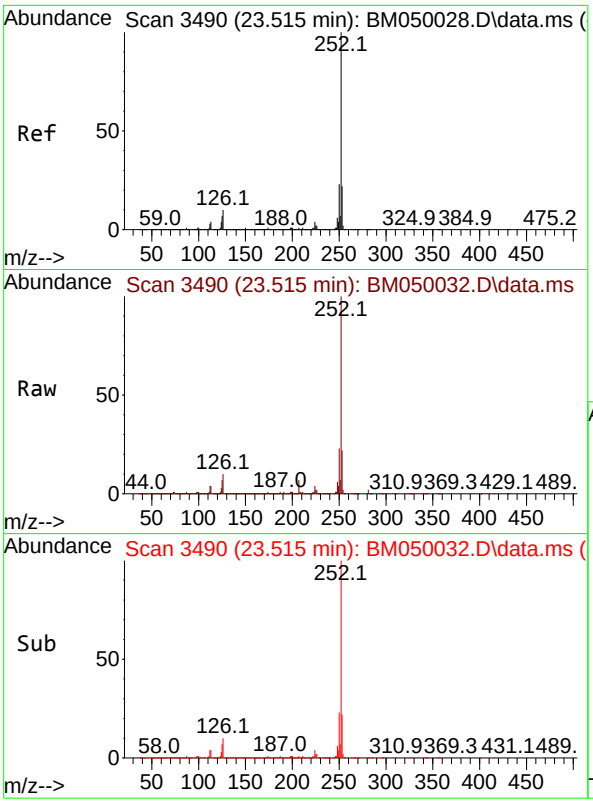


#88
Benzo(b)fluoranthene
Concen: 45.066 ng
RT: 23.450 min Scan# 3479
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:252 Resp: 3711451

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	7.2	6.1	9.1



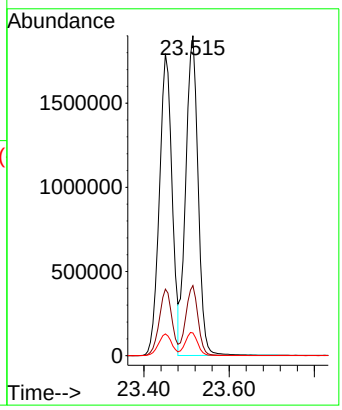


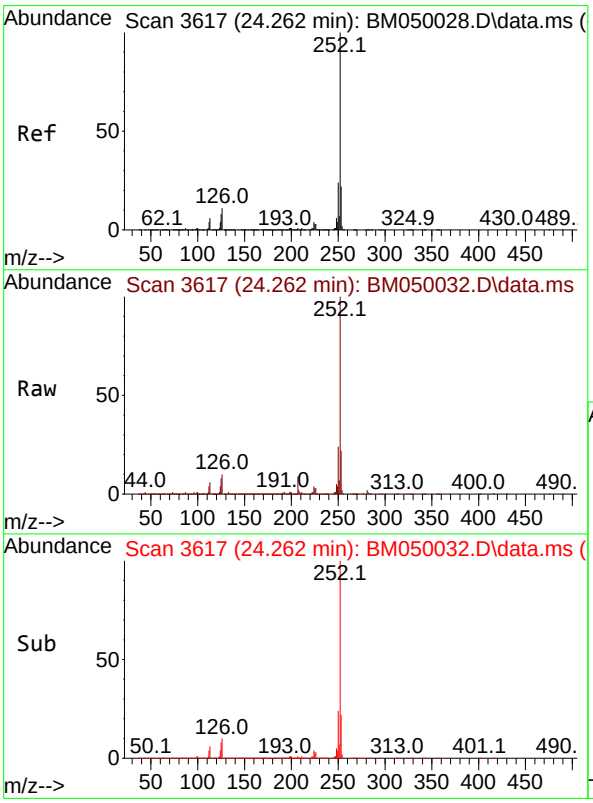
#89
Benzo(k)fluoranthene
Concen: 45.780 ng
RT: 23.515 min Scan# 34
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion:252 Resp: 3813739

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	7.1	5.8	8.8

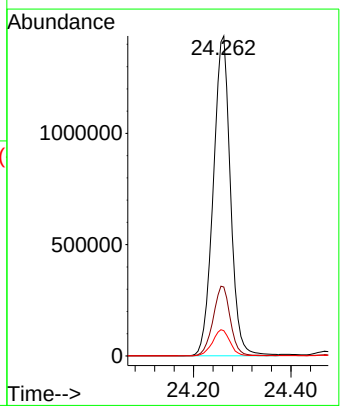


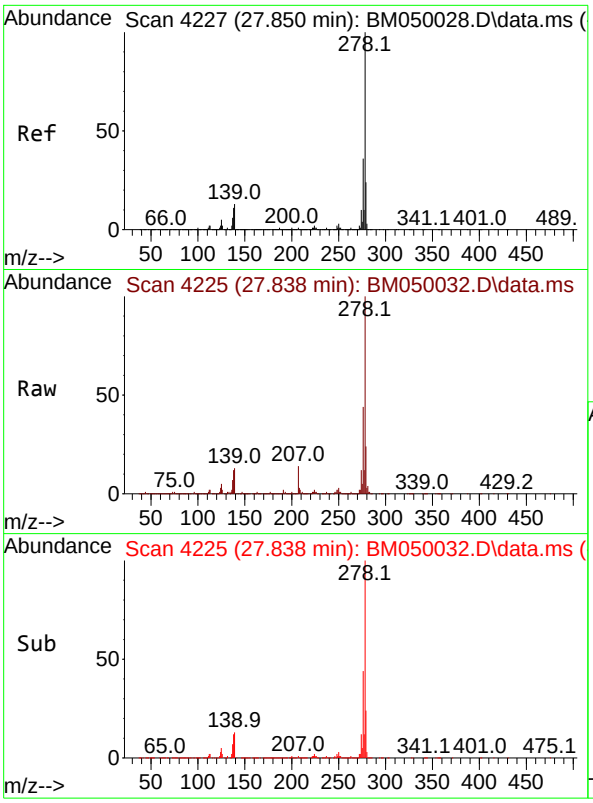


#90
Benzo(a)pyrene
Concen: 45.577 ng
RT: 24.262 min Scan# 3617
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:252 Resp: 3515582

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.0
125	7.9	6.6	9.8



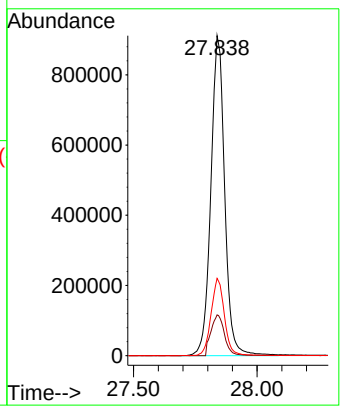


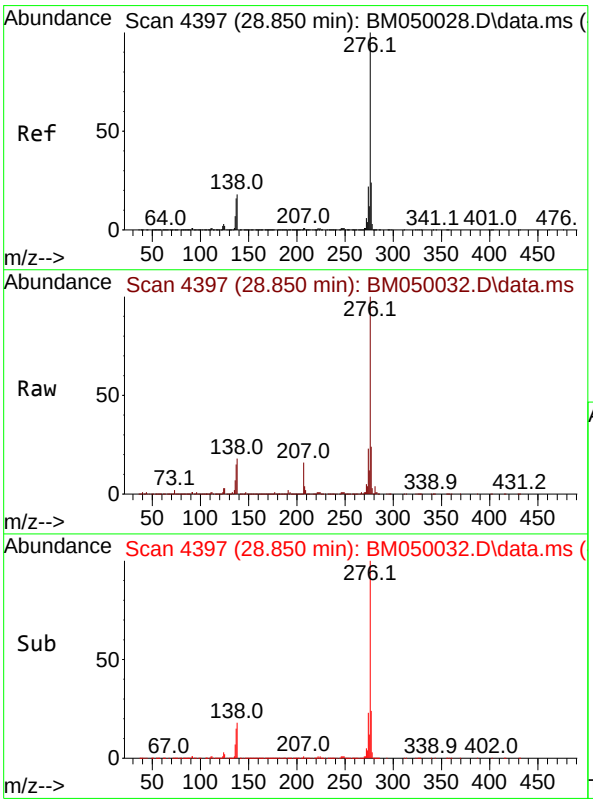
#91
Dibenzo(a,h)anthracene
Concen: 46.091 ng
RT: 27.838 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion:278 Resp: 3545295

Ion	Ratio	Lower	Upper
278	100		
139	12.7	10.5	15.7
279	24.1	19.4	29.0

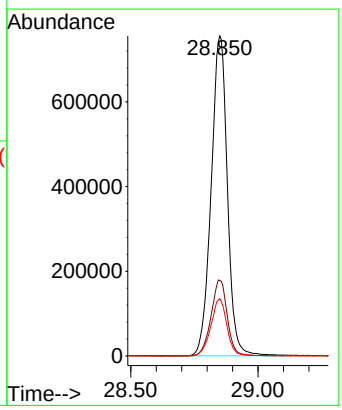




#92
Benzo(g,h,i)perylene
Concen: 45.437 ng
RT: 28.850 min Scan# 4397
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:276 Resp: 3345997

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.1	28.7
138	17.9	14.3	21.5



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024276.D
Acq On : 14 Apr 2025 11:47
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Quant Time: Apr 14 17:26:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.734	152	223010	20.000	ng		0.00
21) Naphthalene-d8	10.510	136	946483	20.000	ng		0.00
39) Acenaphthene-d10	14.369	164	609743	20.000	ng		0.00
64) Phenanthrene-d10	17.163	188	1234074	20.000	ng		0.00
76) Chrysene-d12	21.610	240	1401979	20.000	ng		-0.01
86) Perylene-d12	24.968	264	1519057	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.352	112	125173	9.263	ng		0.00
7) Phenol-d6	6.916	99	163122	8.824	ng		0.00
23) Nitrobenzene-d5	8.875	82	152286	9.160	ng		0.00
42) 2,4,6-Tribromophenol	15.875	330	71560	8.571	ng		0.00
45) 2-Fluorobiphenyl	12.975	172	406060	10.111	ng		0.00
79) Terphenyl-d14	19.886	244	677812	9.638	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.293	88	30738	5.328	ng		100
3) Pyridine	3.699	79	70539	4.697	ng		97
4) n-Nitrosodimethylamine	3.599	42	23634	4.720	ng	#	90
6) Aniline	7.069	93	80239	4.808	ng		99
8) 2-Chlorophenol	7.305	128	70239	4.651	ng		98
9) Benzaldehyde	6.887	77	54732	5.716	ng		99
10) Phenol	6.940	94	82245	4.431	ng		97
11) bis(2-Chloroethyl)ether	7.163	93	71228	4.749	ng		97
12) 1,3-Dichlorobenzene	7.622	146	81600	4.987	ng		98
13) 1,4-Dichlorobenzene	7.769	146	83408	5.027	ng		99
14) 1,2-Dichlorobenzene	8.081	146	82066	5.115	ng		98
15) Benzyl Alcohol	7.975	79	47777	4.032	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.258	45	80975	4.962	ng		97
17) 2-Methylphenol	8.175	107	51039	4.267	ng		99
18) Hexachloroethane	8.805	117	29643	4.950	ng		99
19) n-Nitroso-di-n-propyla...	8.528	70	56212	4.896	ng		96
20) 3+4-Methylphenols	8.505	107	68264	4.120	ng		99
22) Acetophenone	8.546	105	111159	4.725	ng		99
24) Nitrobenzene	8.922	77	77593	4.709	ng		96
25) Isophorone	9.446	82	136090	4.534	ng		99
26) 2-Nitrophenol	9.628	139	30712	3.882	ng		99
27) 2,4-Dimethylphenol	9.693	122	42510	4.239	ng		94
28) bis(2-Chloroethoxy)met...	9.922	93	97512	4.774	ng		98
29) 2,4-Dichlorophenol	10.169	162	57301	4.193	ng		97
30) 1,2,4-Trichlorobenzene	10.369	180	72789	4.923	ng		98
31) Naphthalene	10.557	128	246999	4.930	ng		99
32) Benzoic acid	9.763	122	31295	2.888	ng		96
33) 4-Chloroaniline	10.669	127	77667	4.437	ng		98
34) Hexachlorobutadiene	10.846	225	42723	4.926	ng		99
35) Caprolactam	11.446	113	20082	4.002	ng		94
36) 4-Chloro-3-methylphenol	11.804	107	67116	4.214	ng		100
37) 2-Methylnaphthalene	12.169	142	165617	4.770	ng		99
38) 1-Methylnaphthalene	12.399	142	165656	4.870	ng		99
40) 1,2,4,5-Tetrachloroben...	12.540	216	79501	4.744	ng		100
41) Hexachlorocyclopentadiene	12.528	237	24696	4.198	ng		96
43) 2,4,6-Trichlorophenol	12.787	196	45925	4.165	ng		95

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024276.D
Acq On : 14 Apr 2025 11:47
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Quant Time: Apr 14 17:26:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.863	196	50675	4.147	ng		99
46) 1,1'-Biphenyl	13.187	154	221653	4.922	ng		99
47) 2-Chloronaphthalene	13.234	162	162099	4.824	ng		99
48) 2-Nitroaniline	13.440	65	38152	4.111	ng		90
49) Acenaphthylene	14.087	152	244566	4.637	ng		99
50) Dimethylphthalate	13.822	163	217848	4.897	ng		100
51) 2,6-Dinitrotoluene	13.934	165	40182	4.287	ng		94
52) Acenaphthene	14.428	154	165694	4.940	ng		97
53) 3-Nitroaniline	14.275	138	38178	3.926	ng	#	94
54) 2,4-Dinitrophenol	14.487	184	16331	3.254	ng		94
55) Dibenzofuran	14.769	168	274506	4.991	ng		99
56) 4-Nitrophenol	14.610	139	29033	3.473	ng		98
57) 2,4-Dinitrotoluene	14.745	165	50843	4.013	ng		97
58) Fluorene	15.428	166	209763	4.939	ng		97
59) 2,3,4,6-Tetrachlorophenol	15.004	232	49911	4.415	ng		98
60) Diethylphthalate	15.204	149	221119	4.830	ng		99
61) 4-Chlorophenyl-phenyle...	15.422	204	101636	4.928	ng		99
62) 4-Nitroaniline	15.445	138	40139	3.893	ng		96
63) Azobenzene	15.722	77	193402	4.586	ng		99
65) 4,6-Dinitro-2-methylph...	15.516	198	25438	3.528	ng		95
66) n-Nitrosodiphenylamine	15.645	169	174867	4.726	ng		99
67) 4-Bromophenyl-phenylether	16.334	248	62558	4.647	ng		97
68) Hexachlorobenzene	16.451	284	76267	4.766	ng		96
69) Atrazine	16.616	200	54439	5.803	ng		98
70) Pentachlorophenol	16.810	266	44119	4.015	ng		98
71) Phenanthrene	17.204	178	338611	5.005	ng		100
72) Anthracene	17.292	178	307065	4.716	ng		99
73) Carbazole	17.586	167	298495	4.711	ng		100
74) Di-n-butylphthalate	18.175	149	354008	4.484	ng		100
75) Fluoranthene	19.292	202	397601	4.951	ng		99
77) Benzidine	19.498	184	42733	2.469	ng		97
78) Pyrene	19.663	202	417746	4.657	ng		99
80) Butylbenzylphthalate	20.622	149	152196	4.024	ng		99
81) Benzo(a)anthracene	21.592	228	418745	4.791	ng		100
82) 3,3'-Dichlorobenzidine	21.516	252	121047	3.994	ng		99
83) Chrysene	21.657	228	413570	4.937	ng		99
84) Bis(2-ethylhexyl)phtha...	21.533	149	223960	4.021	ng		98
85) Di-n-octyl phthalate	22.816	149	331185	3.712	ng		99
87) Indeno(1,2,3-cd)pyrene	28.762	276	475578	4.552	ng	#	92
88) Benzo(b)fluoranthene	23.904	252	429214	4.723	ng		99
89) Benzo(k)fluoranthene	23.968	252	413302	4.686	ng		99
90) Benzo(a)pyrene	24.810	252	356658	4.559	ng		98
91) Dibenzo(a,h)anthracene	28.845	278	397247	4.571	ng		100
92) Benzo(g,h,i)perylene	29.951	276	407522	4.607	ng		99

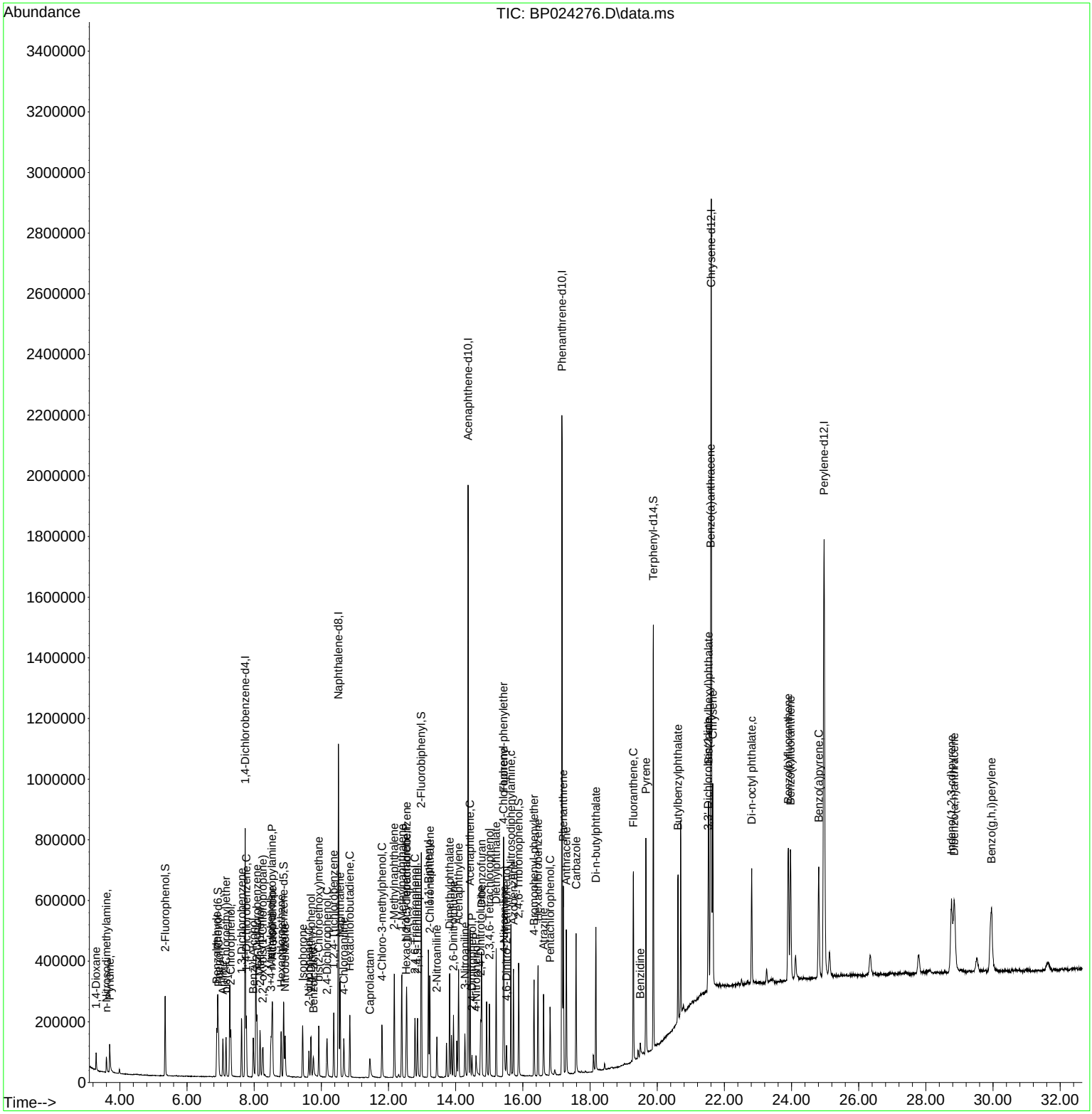
(#) = qualifier out of range (m) = manual integration (+) = signals summed

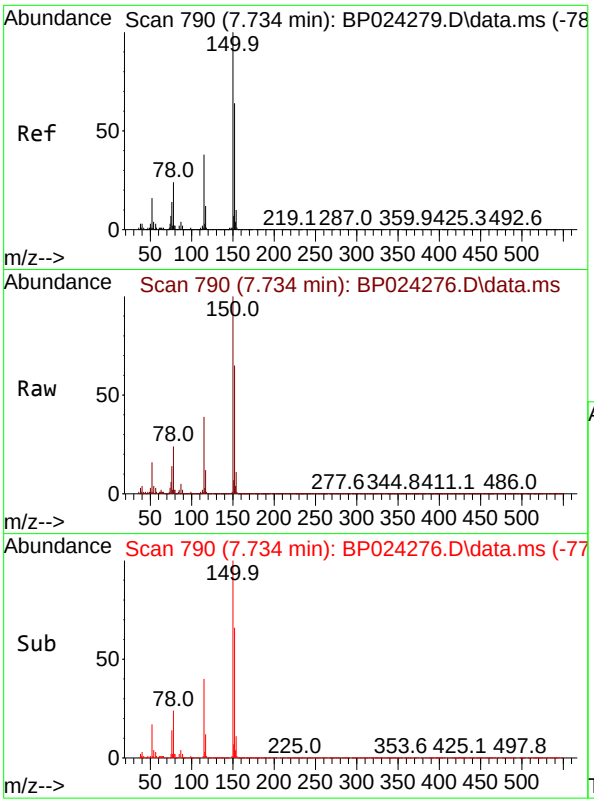
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024276.D
Acq On : 14 Apr 2025 11:47
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Quant Time: Apr 14 17:26:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration



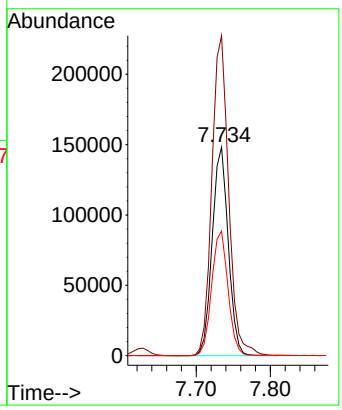


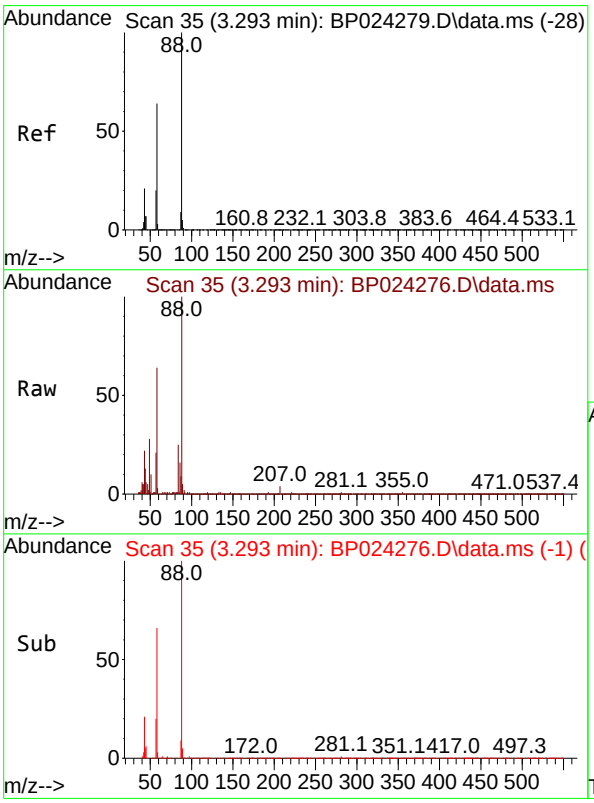
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.734 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 223010

Ion	Ratio	Lower	Upper
152	100		
150	153.5	124.9	187.3
115	59.8	47.7	71.5

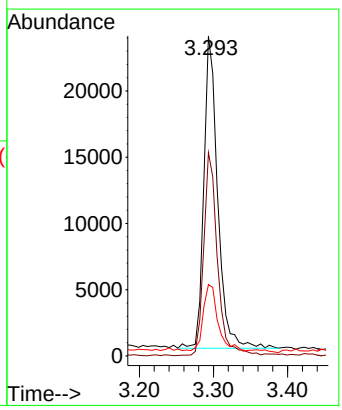


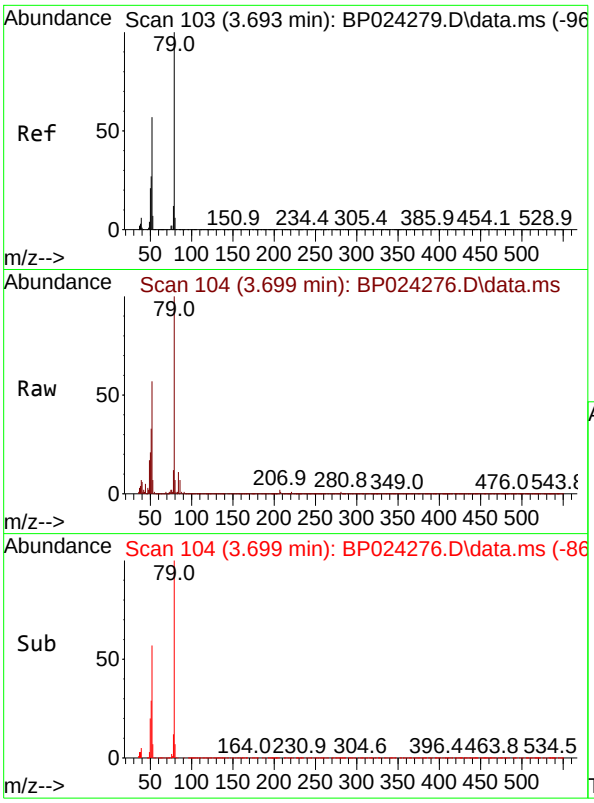


#2
1,4-Dioxane
Concen: 5.328 ng
RT: 3.293 min Scan# 35
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion: 88 Resp: 30738

Ion	Ratio	Lower	Upper
88	100		
58	64.3	51.4	77.2
43	22.3	17.1	25.7



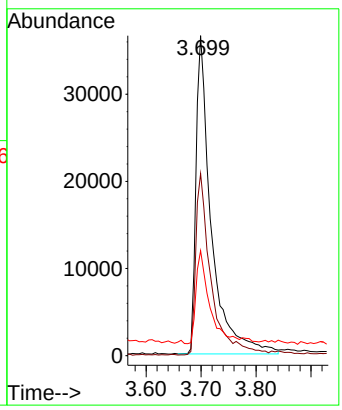


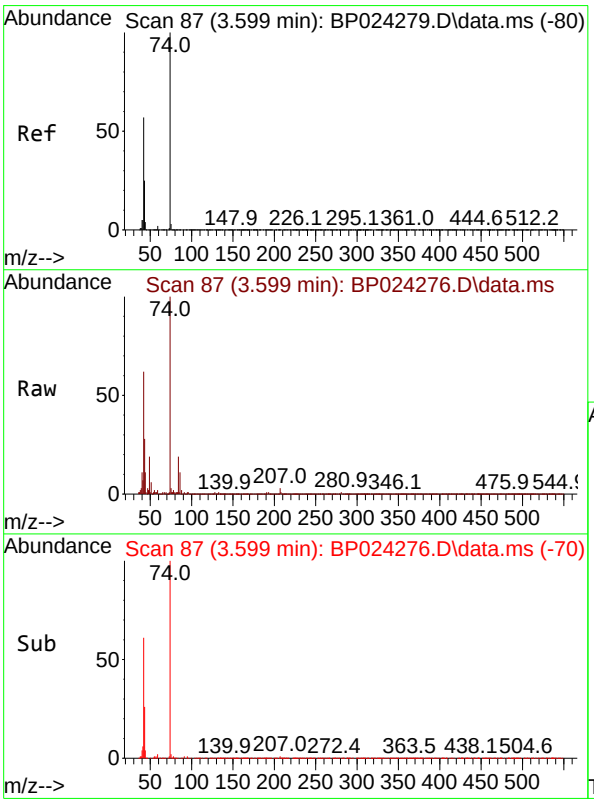
#3
Pyridine
Concen: 4.697 ng
RT: 3.699 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 70539

Ion	Ratio	Lower	Upper
79	100		
52	56.9	45.4	68.2
51	32.8	22.6	33.8

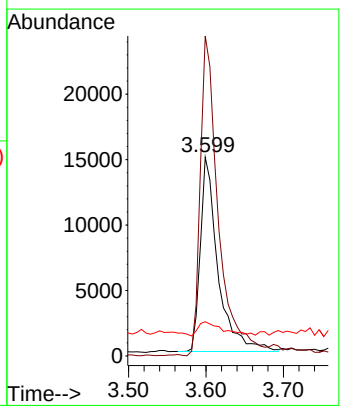


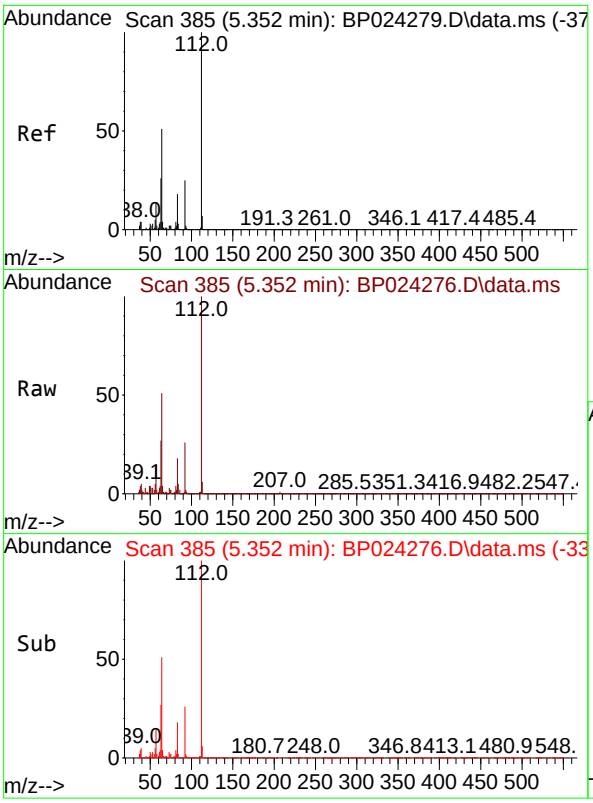


#4
n-Nitrosodimethylamine
Concen: 4.720 ng
RT: 3.599 min Scan# 87
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion: 42 Resp: 23634

Ion	Ratio	Lower	Upper
42	100		
74	161.0	139.5	209.3
44	17.2	5.8	8.8#



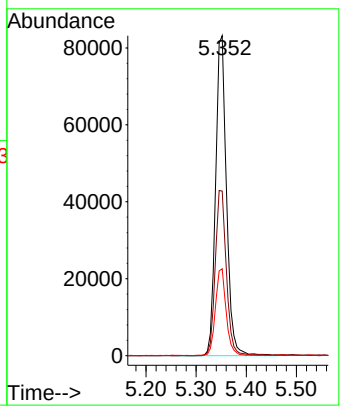


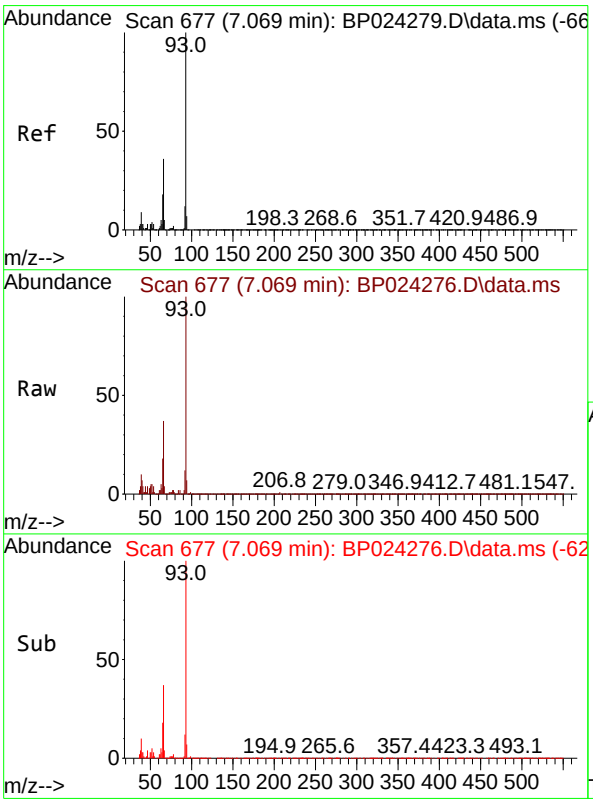
#5
2-Fluorophenol
Concen: 9.263 ng
RT: 5.352 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:112 Resp: 125173

Ion	Ratio	Lower	Upper
112	100		
64	51.4	41.1	61.7
63	27.1	20.6	30.8

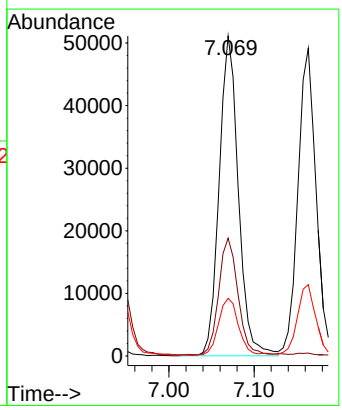


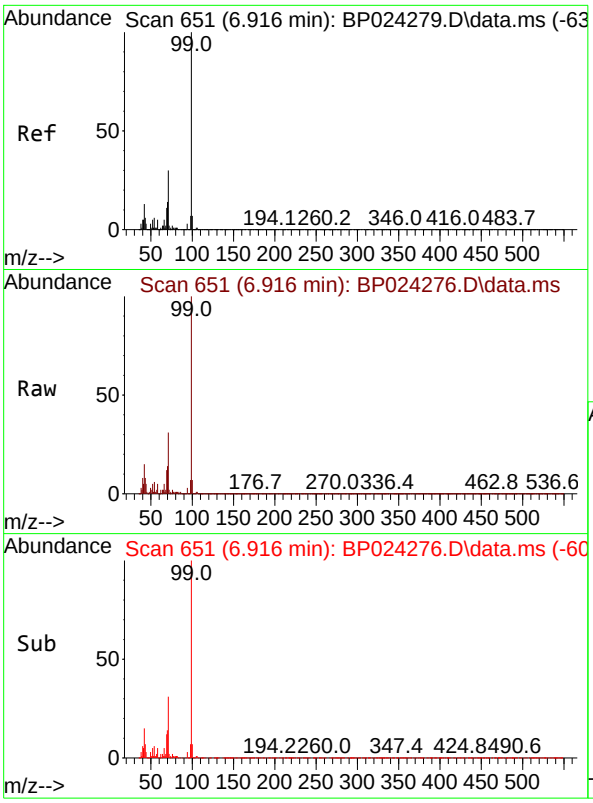


#6
Aniline
Concen: 4.808 ng
RT: 7.069 min Scan# 677
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion: 93 Resp: 80239

Ion	Ratio	Lower	Upper
93	100		
66	36.8	29.1	43.7
65	18.0	14.7	22.1



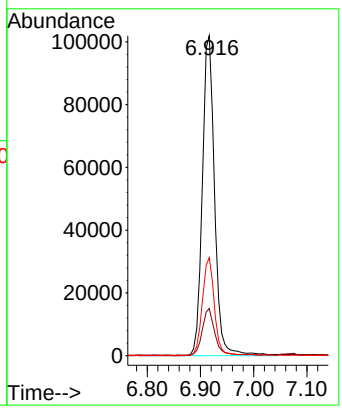


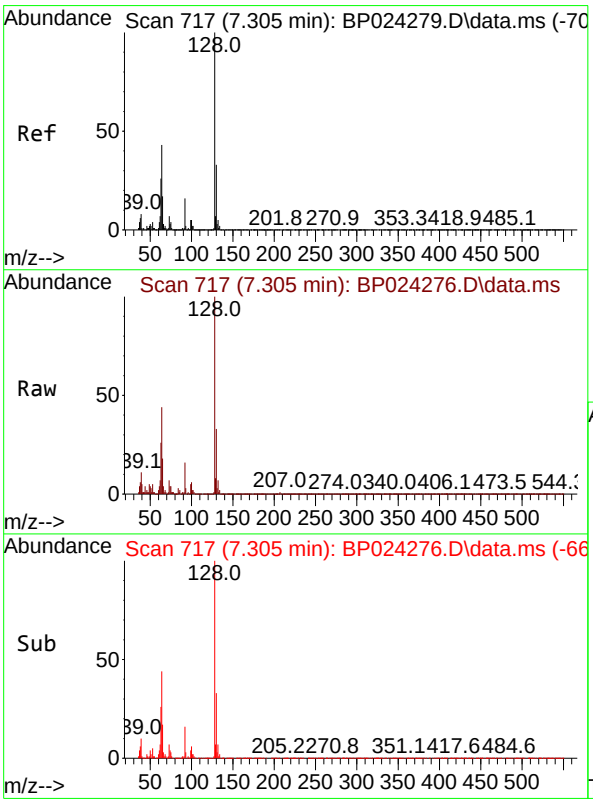
#7
Phenol-d6
Concen: 8.824 ng
RT: 6.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 99 Resp: 163122

Ion	Ratio	Lower	Upper
99	100		
42	14.7	10.6	16.0
71	30.7	23.7	35.5

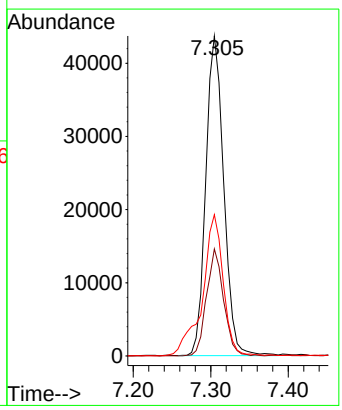


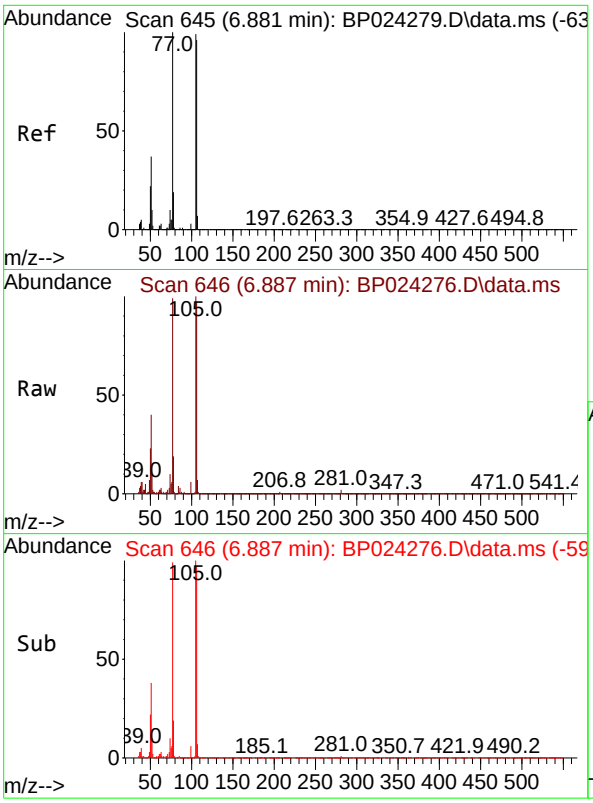


#8
2-Chlorophenol
Concen: 4.651 ng
RT: 7.305 min Scan# 717
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:128 Resp: 70239

Ion	Ratio	Lower	Upper
128	100		
130	33.5	12.9	52.9
64	44.2	22.7	62.7



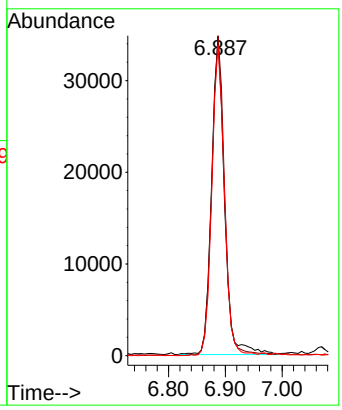


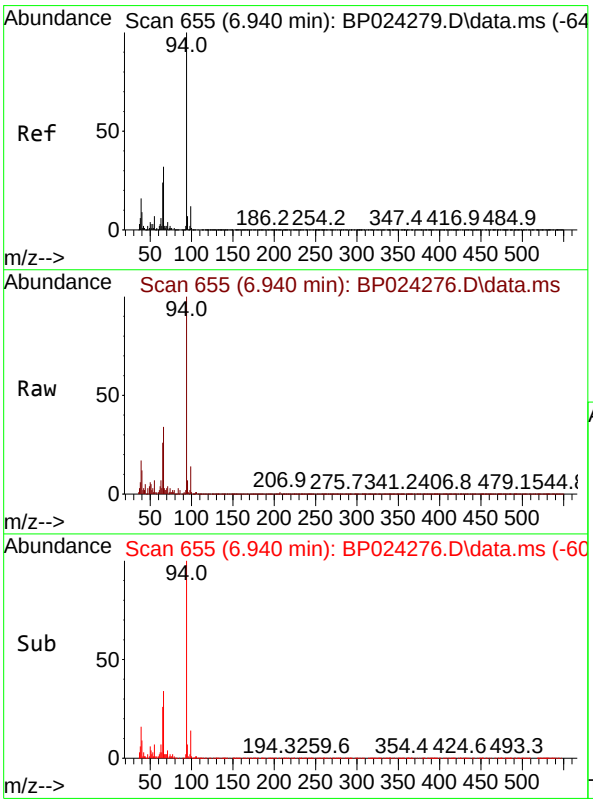
#9
Benzaldehyde
Concen: 5.716 ng
RT: 6.887 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 54732

Ion	Ratio	Lower	Upper
77	100		
105	100.6	79.2	119.2
106	97.4	76.2	116.2

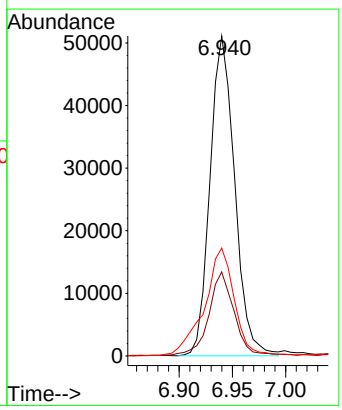


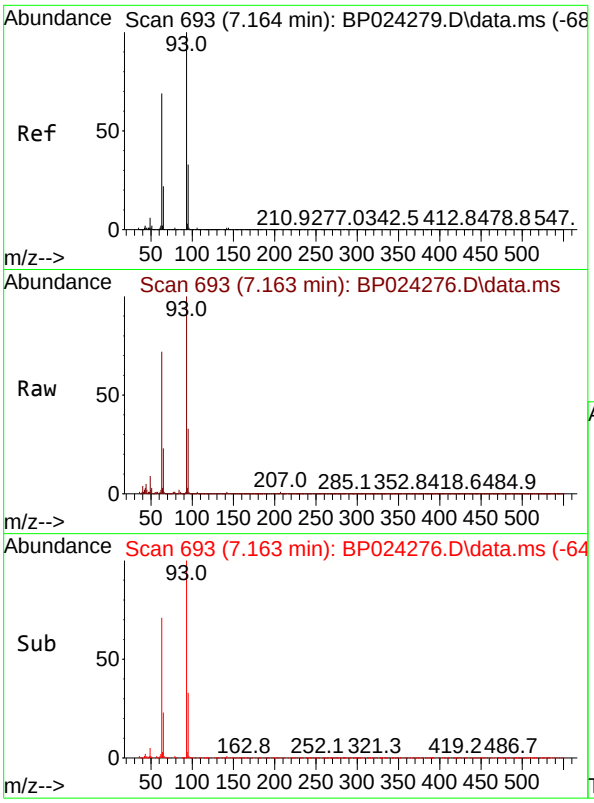


#10
Phenol
Concen: 4.431 ng
RT: 6.940 min Scan# 655
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion: 94 Resp: 82245

Ion	Ratio	Lower	Upper
94	100		
65	26.3	4.5	44.5
66	33.7	12.4	52.4



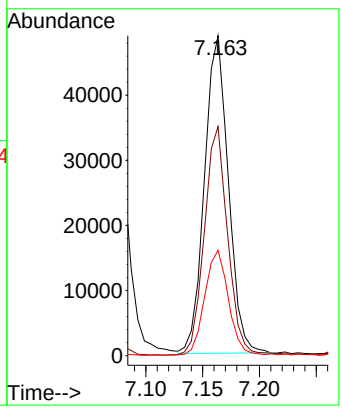


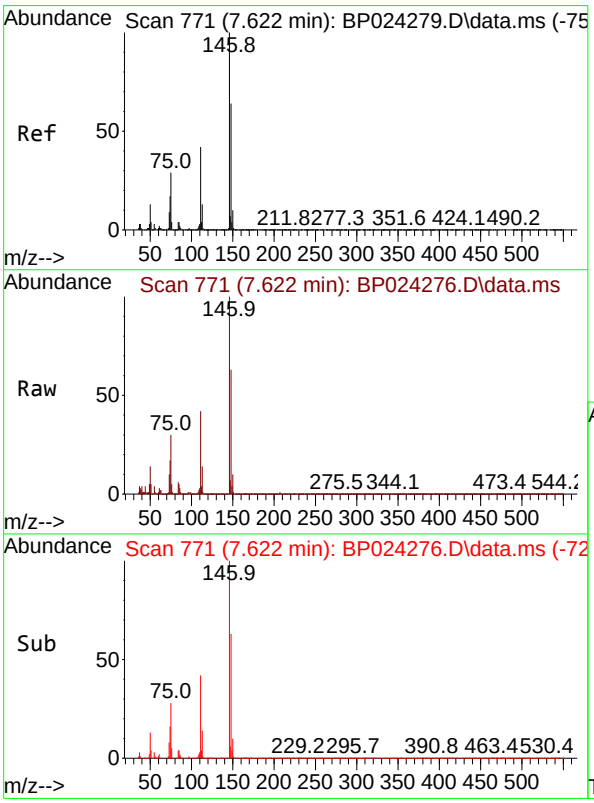
#11
bis(2-Chloroethyl)ether
Concen: 4.749 ng
RT: 7.163 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 71228

Ion	Ratio	Lower	Upper
93	100		
63	71.6	48.6	88.6
95	32.9	12.3	52.3

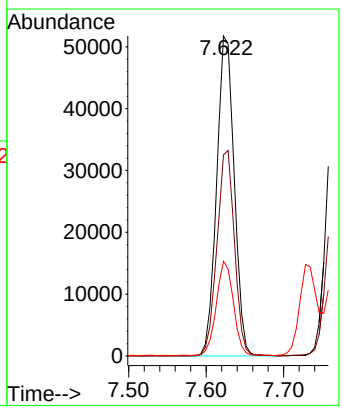


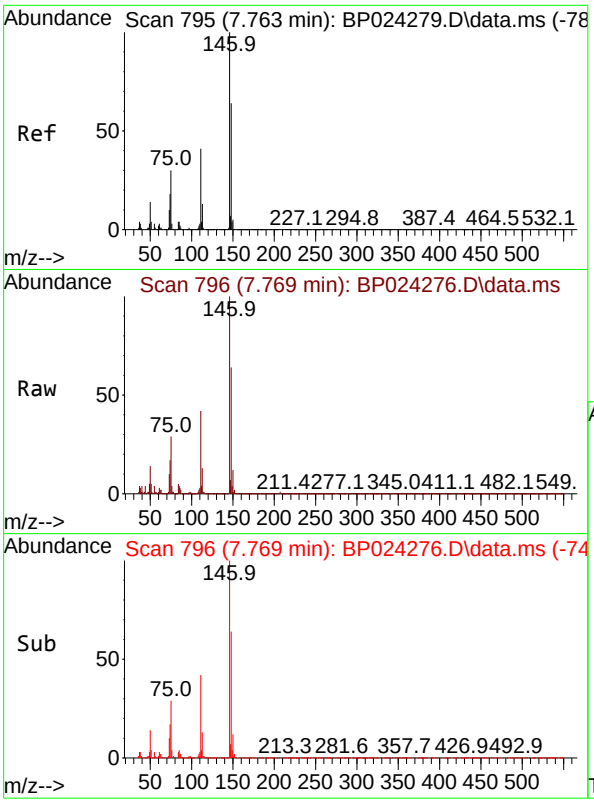


#12
1,3-Dichlorobenzene
Concen: 4.987 ng
RT: 7.622 min Scan# 771
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:146 Resp: 81600

Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.4	77.0
75	29.6	22.9	34.3



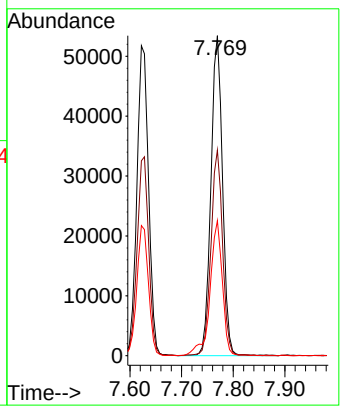


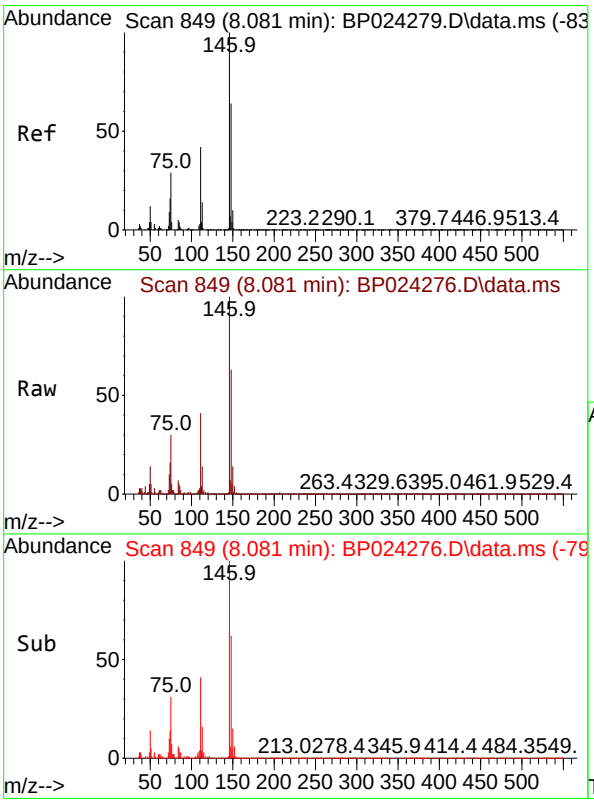
#13
1,4-Dichlorobenzene
Concen: 5.027 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 83408

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.1	76.7
111	42.2	32.6	48.8

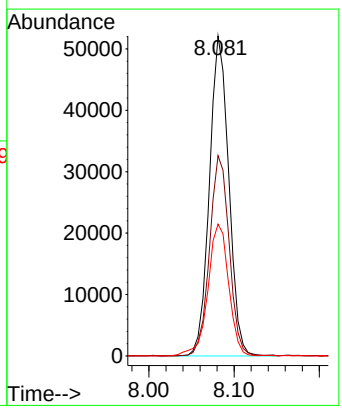


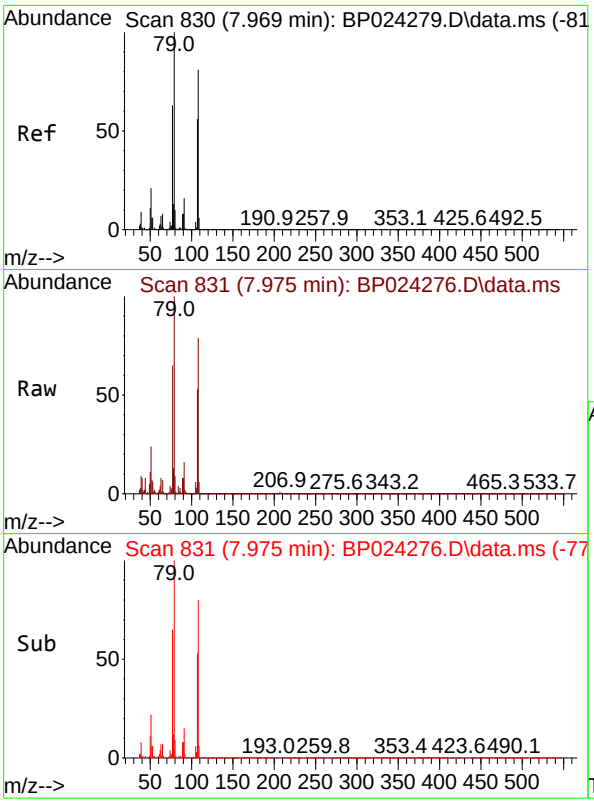


#14
1,2-Dichlorobenzene
Concen: 5.115 ng
RT: 8.081 min Scan# 849
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:146 Resp: 82066

Ion	Ratio	Lower	Upper
146	100		
148	62.6	51.0	76.4
111	41.2	33.8	50.8



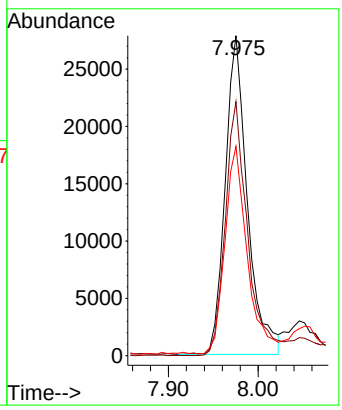


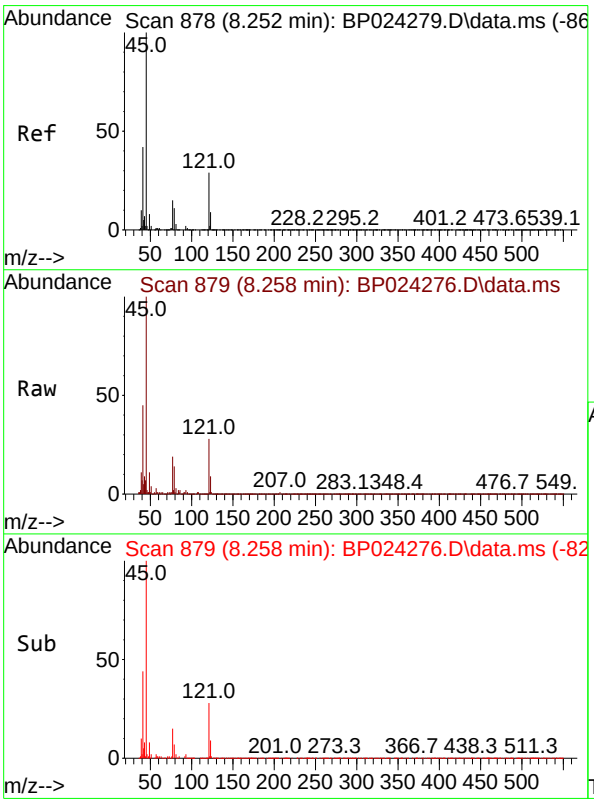
#15
Benzyl Alcohol
Concen: 4.032 ng
RT: 7.975 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 47777

Ion	Ratio	Lower	Upper
79	100		
108	79.4	65.1	97.7
77	65.4	50.7	76.1

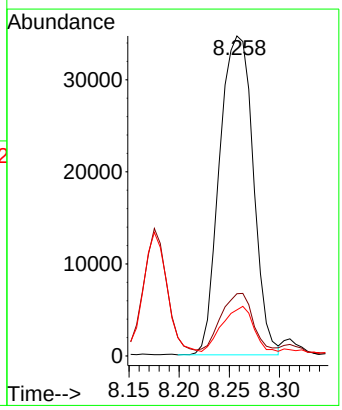


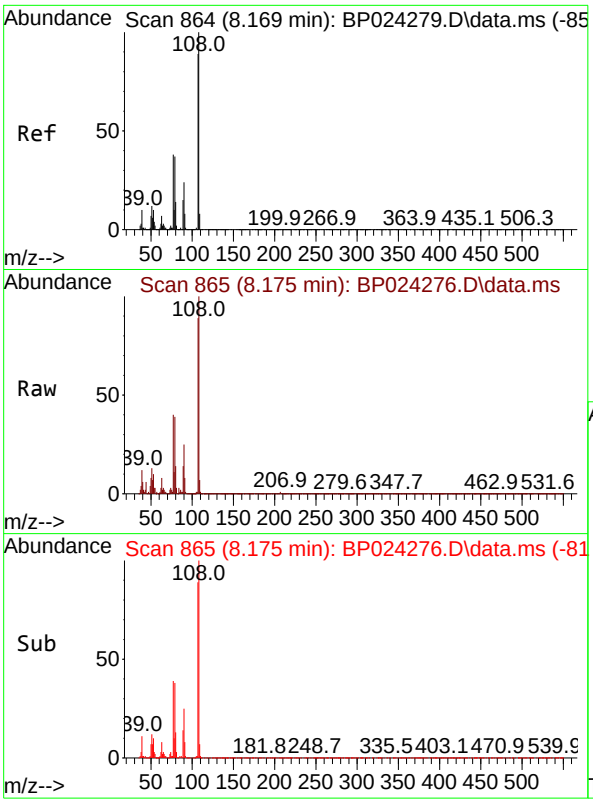


#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.962 ng
RT: 8.258 min Scan# 879
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion: 45 Resp: 80975

Ion	Ratio	Lower	Upper
45	100		
77	19.4	0.0	37.7
79	14.4	0.0	33.5



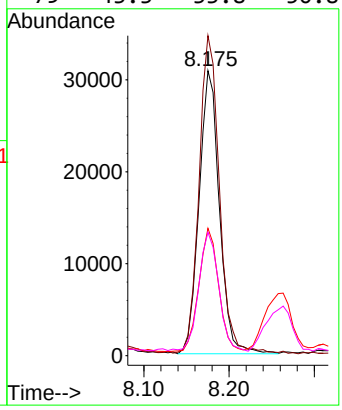


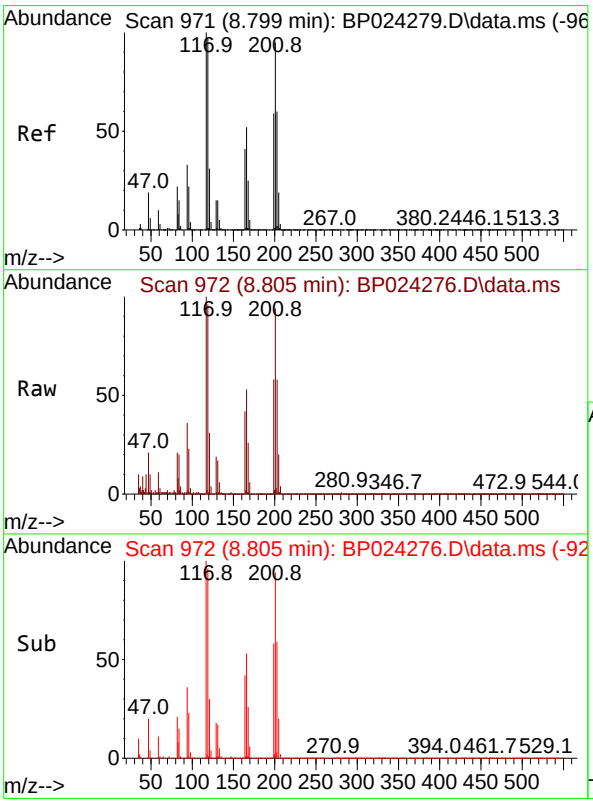
#17
2-Methylphenol
Concen: 4.267 ng
RT: 8.175 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:107 Resp: 51039

Ion	Ratio	Lower	Upper
107	100		
108	112.3	89.8	134.6
77	44.7	34.2	51.4
79	43.3	33.8	50.8

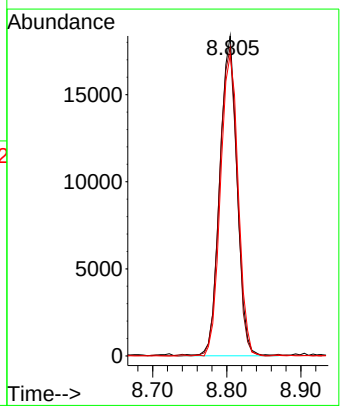


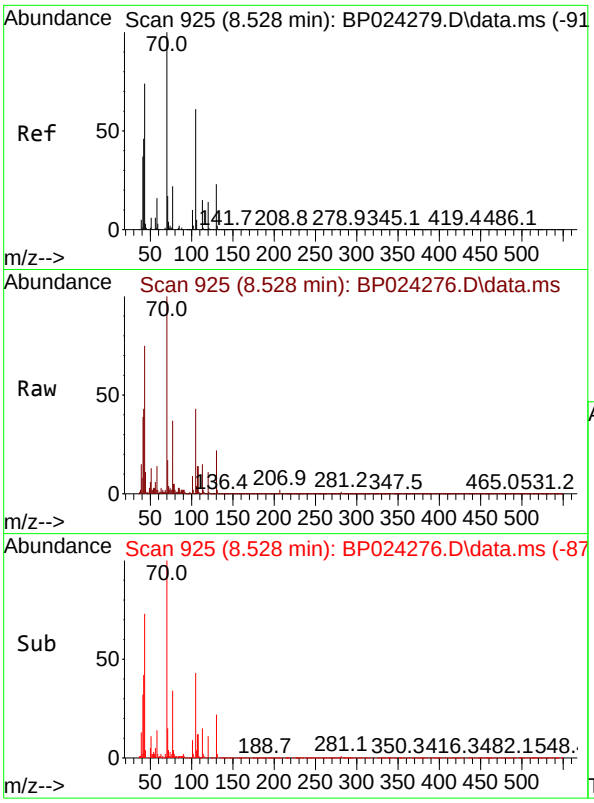


#18
Hexachloroethane
Concen: 4.950 ng
RT: 8.805 min Scan# 972
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:117 Resp: 29643

Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.8	116.6
201	96.8	75.9	113.9



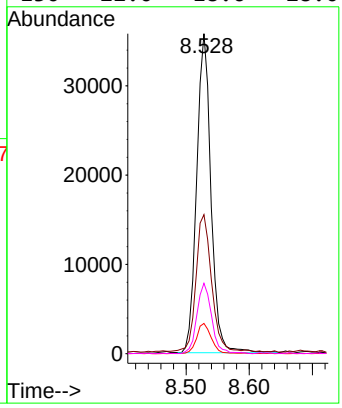


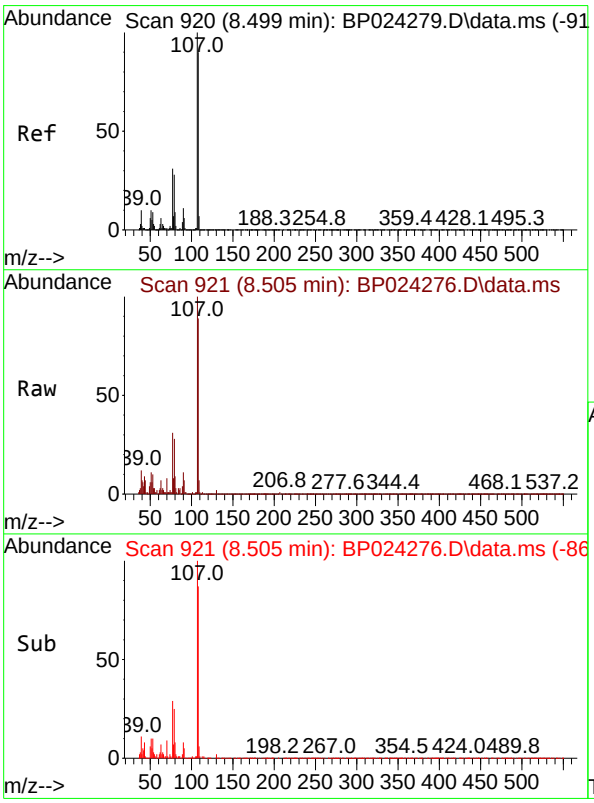
#19
n-Nitroso-di-n-propylamine
Concen: 4.896 ng
RT: 8.528 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 70 Resp: 56212

Ion	Ratio	Lower	Upper
70	100		
42	43.5	37.3	55.9
101	9.4	8.2	12.4
130	22.0	18.6	28.0

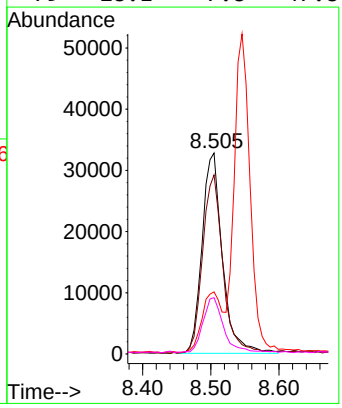


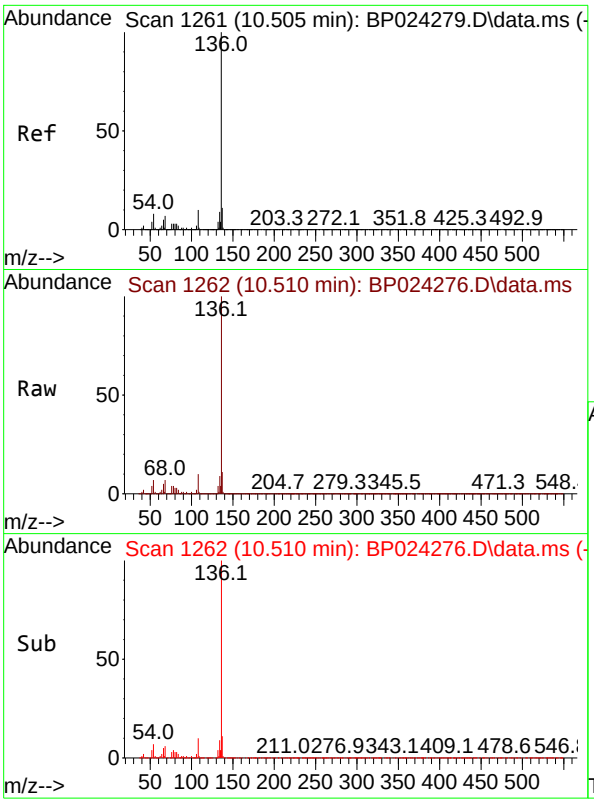


#20
3+4-Methylphenols
Concen: 4.120 ng
RT: 8.505 min Scan# 921
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:107 Resp: 68264

Ion	Ratio	Lower	Upper
107	100		
108	89.1	69.8	109.8
77	30.9	11.5	51.5
79	28.1	7.8	47.8



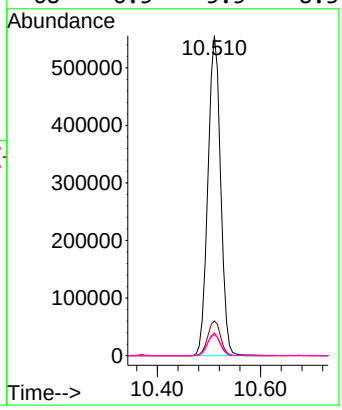


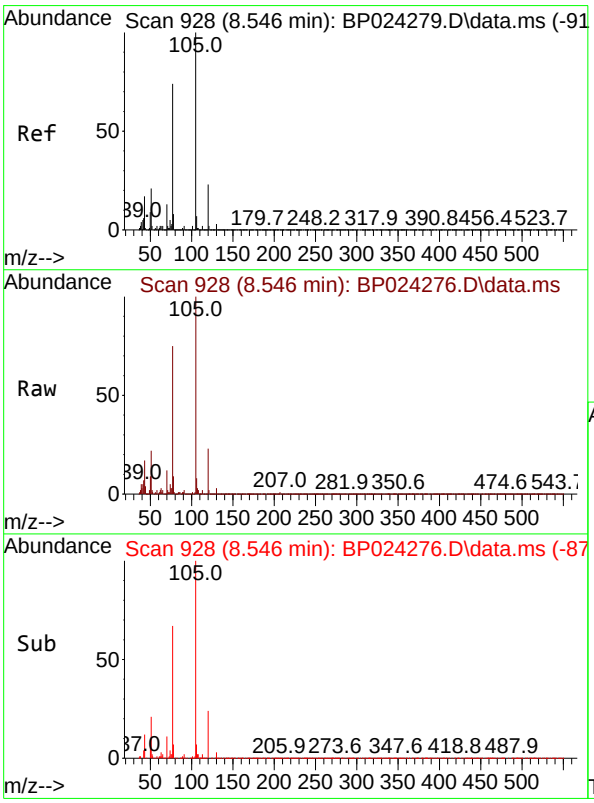
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.510 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:136 Resp: 946483

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	7.1	6.0	9.0
68	6.5	5.5	8.3

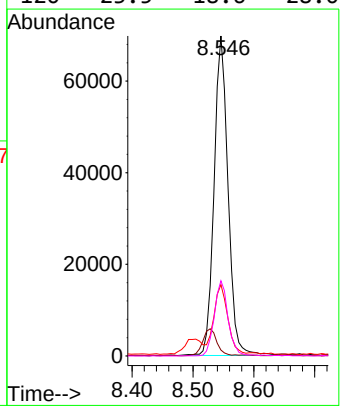


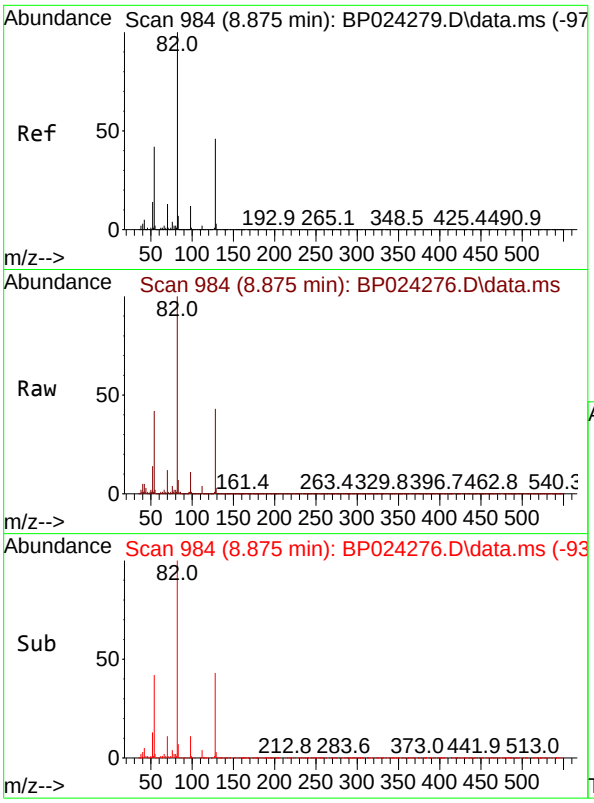


#22
Acetophenone
Concen: 4.725 ng
RT: 8.546 min Scan# 928
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:105 Resp: 111159

Ion	Ratio	Lower	Upper
105	100		
71	1.9	1.7	2.5
51	22.3	16.9	25.3
120	23.5	18.6	28.0



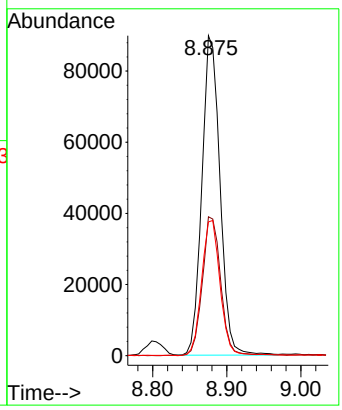


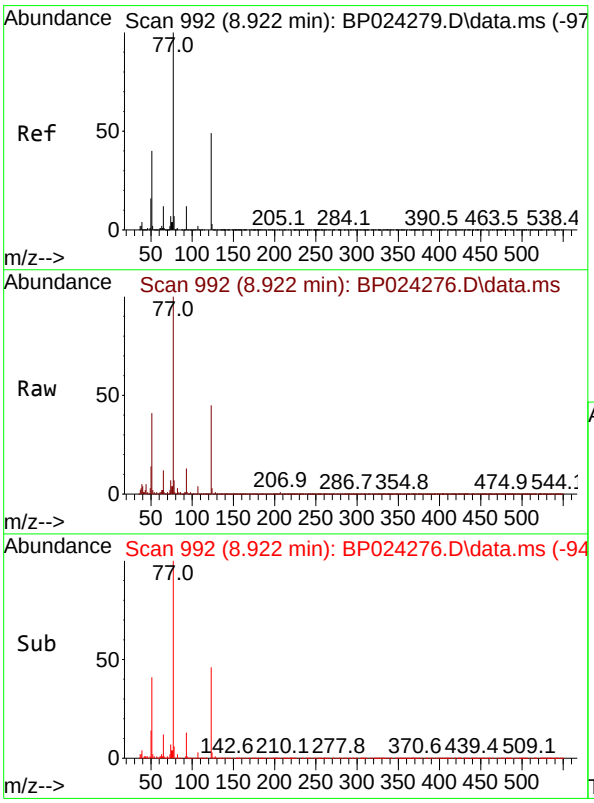
#23
Nitrobenzene-d5
Concen: 9.160 ng
RT: 8.875 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 152286

Ion	Ratio	Lower	Upper
82	100		
128	43.4	36.5	54.7
54	41.8	33.4	50.2

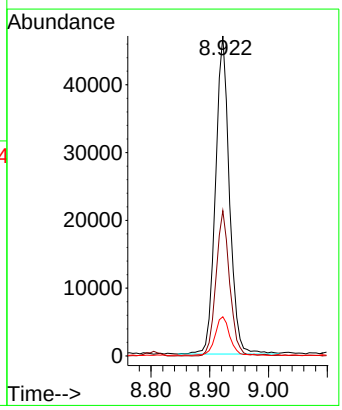


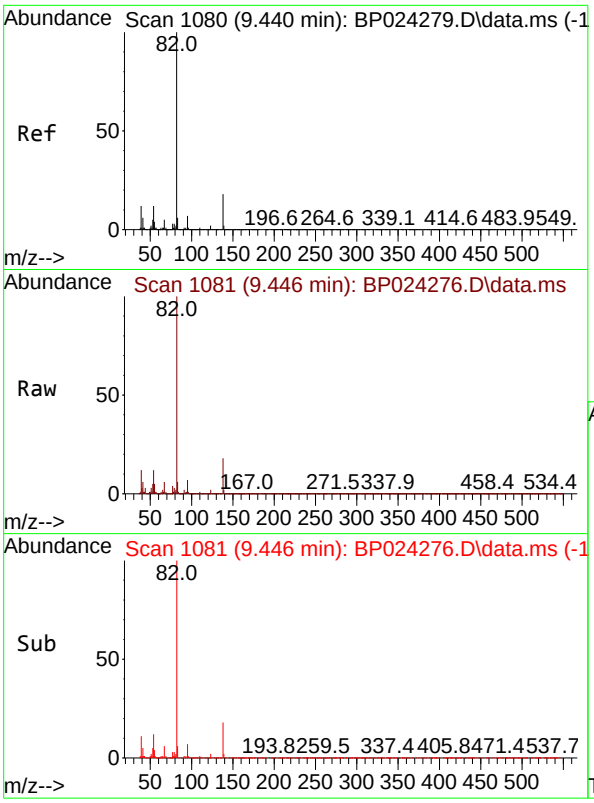


#24
Nitrobenzene
Concen: 4.709 ng
RT: 8.922 min Scan# 992
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion: 77 Resp: 77593

Ion	Ratio	Lower	Upper
77	100		
123	45.4	39.2	58.8
65	12.3	9.8	14.6



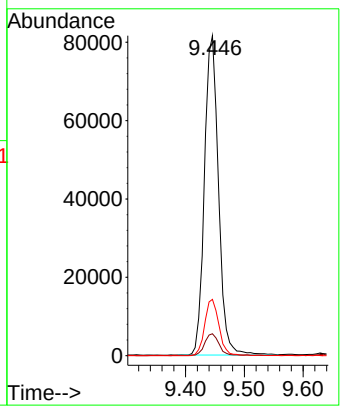


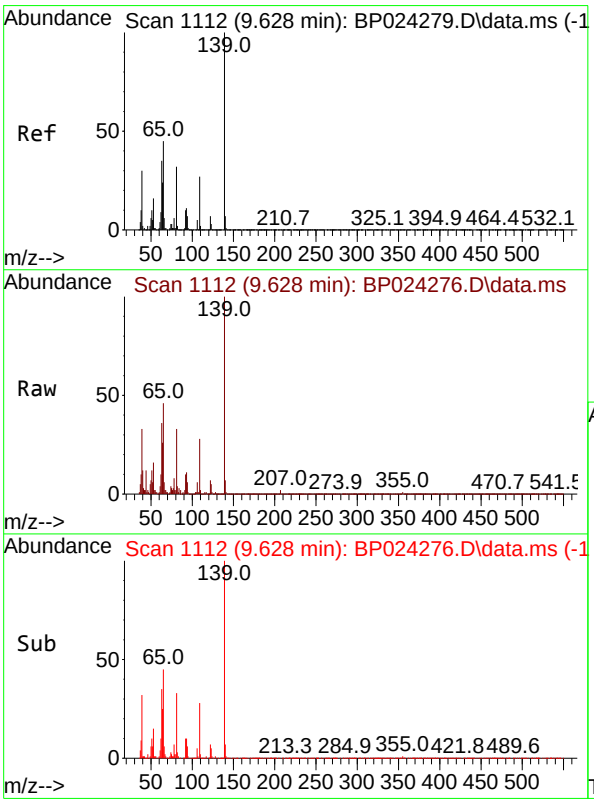
#25
Isophorone
Concen: 4.534 ng
RT: 9.446 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 136090

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.4	8.2
138	17.6	14.4	21.6

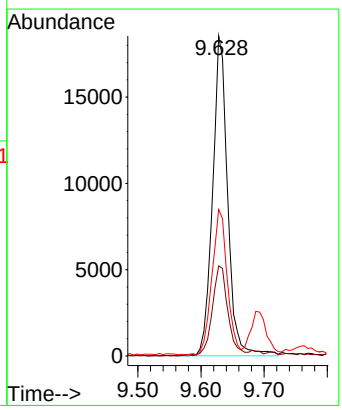


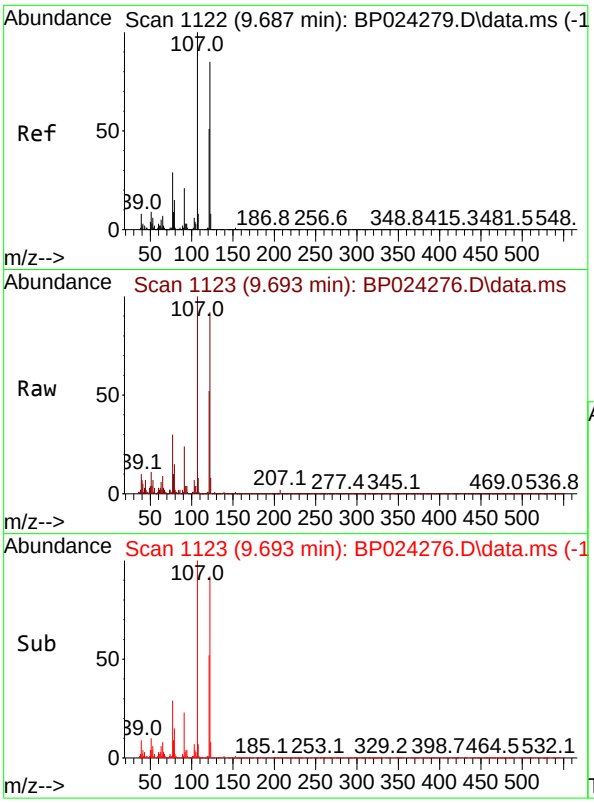


#26
2-Nitrophenol
Concen: 3.882 ng
RT: 9.628 min Scan# 1112
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:139 Resp: 30712

Ion	Ratio	Lower	Upper
139	100		
109	28.1	21.8	32.6
65	45.7	36.2	54.2



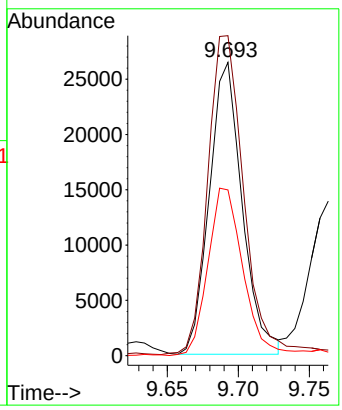


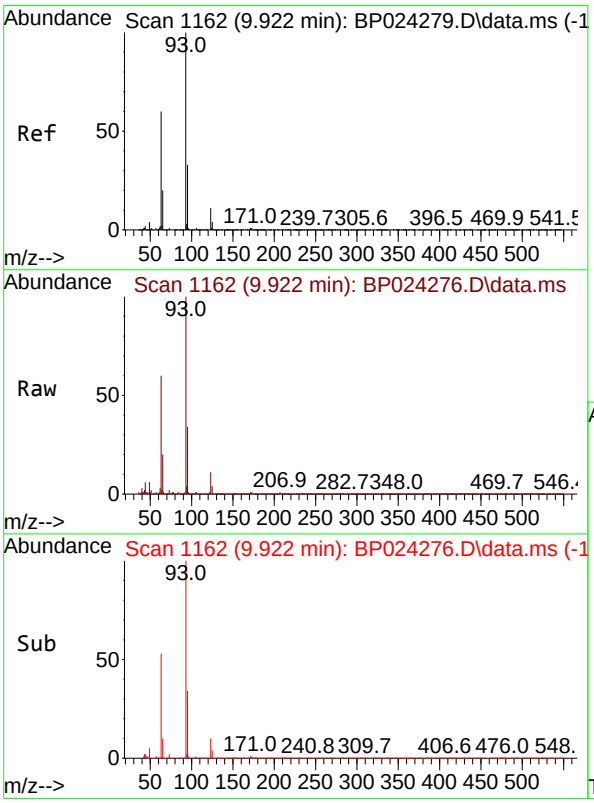
#27
2,4-Dimethylphenol
Concen: 4.239 ng
RT: 9.693 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:122 Resp: 42510

Ion	Ratio	Lower	Upper
122	100		
107	109.1	93.7	140.5
121	56.5	48.2	72.2

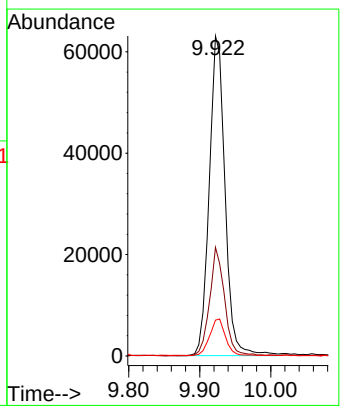


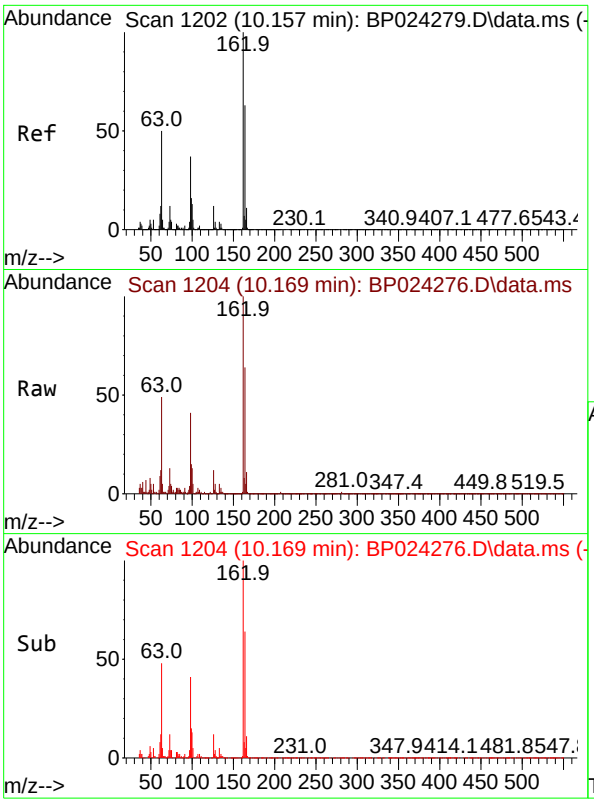


#28
bis(2-Chloroethoxy)methane
Concen: 4.774 ng
RT: 9.922 min Scan# 1162
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion: 93 Resp: 97512

Ion	Ratio	Lower	Upper
93	100		
95	34.0	26.0	39.0
123	11.2	9.1	13.7



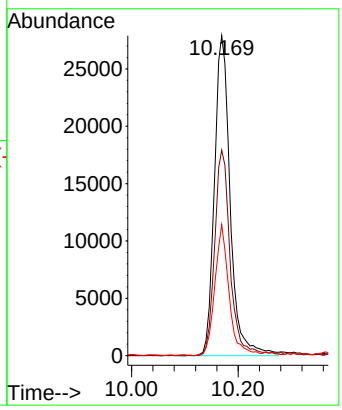


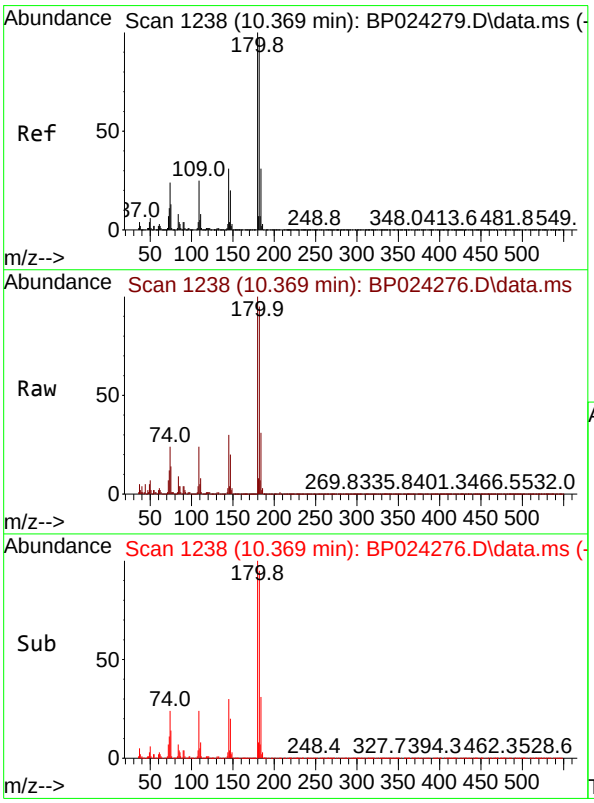
#29
2,4-Dichlorophenol
Concen: 4.193 ng
RT: 10.169 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 57301

Ion	Ratio	Lower	Upper
162	100		
164	64.2	43.3	83.3
98	41.0	16.6	56.6

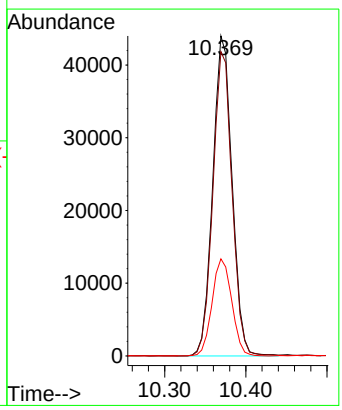


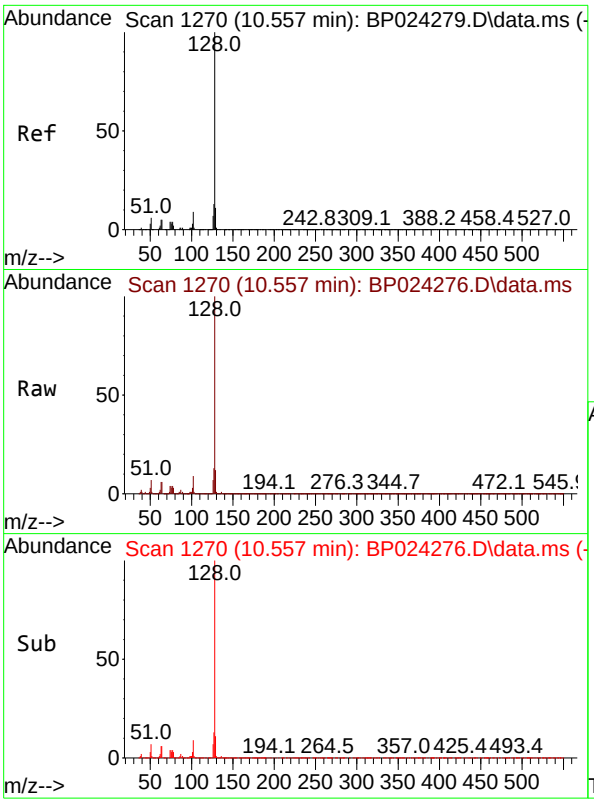


#30
1,2,4-Trichlorobenzene
Concen: 4.923 ng
RT: 10.369 min Scan# 1238
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:180 Resp: 72789

Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.3	115.9
145	30.3	25.1	37.7



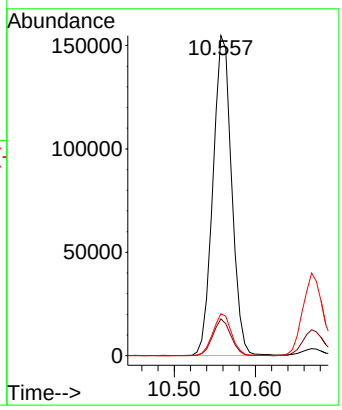


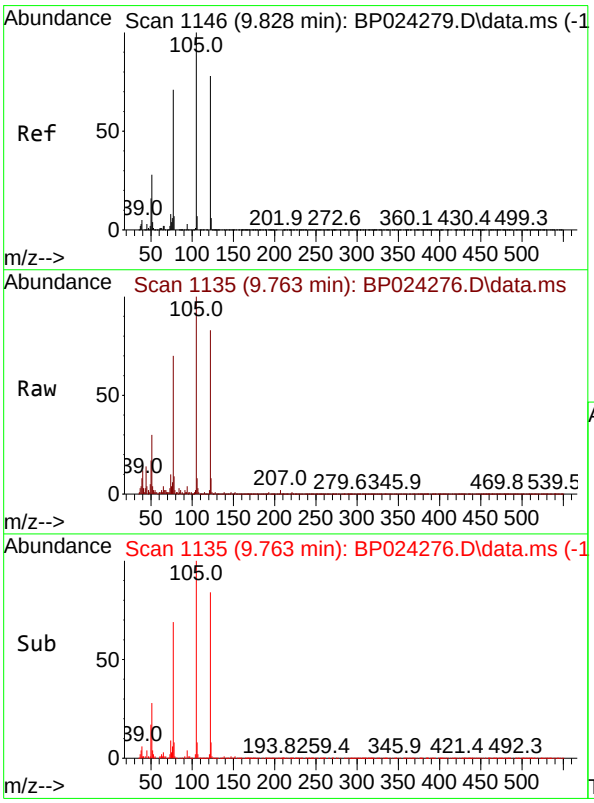
#31
Naphthalene
Concen: 4.930 ng
RT: 10.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 246999

Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.6	13.0
127	13.1	10.3	15.5

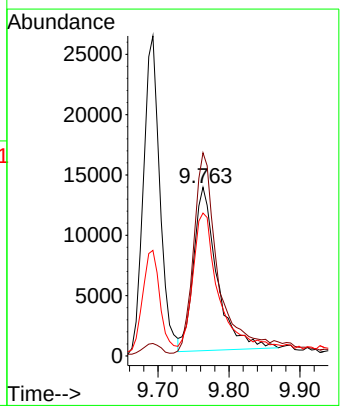


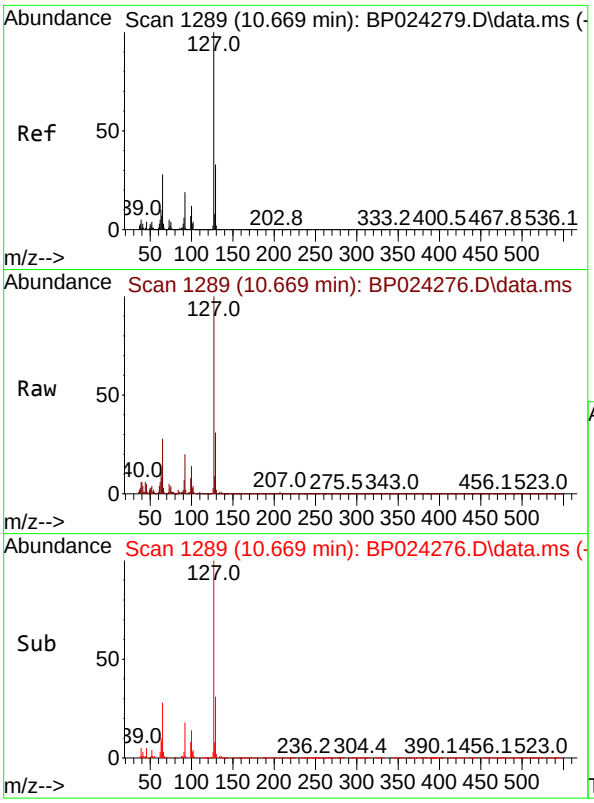


#32
Benzoic acid
Concen: 2.888 ng
RT: 9.763 min Scan# 1135
Delta R.T. -0.065 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:122 Resp: 31295

Ion	Ratio	Lower	Upper
122	100		
105	120.5	104.8	144.8
77	84.8	69.2	109.2



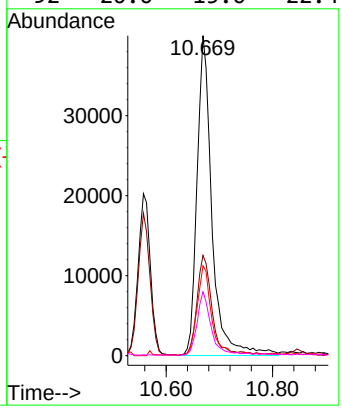


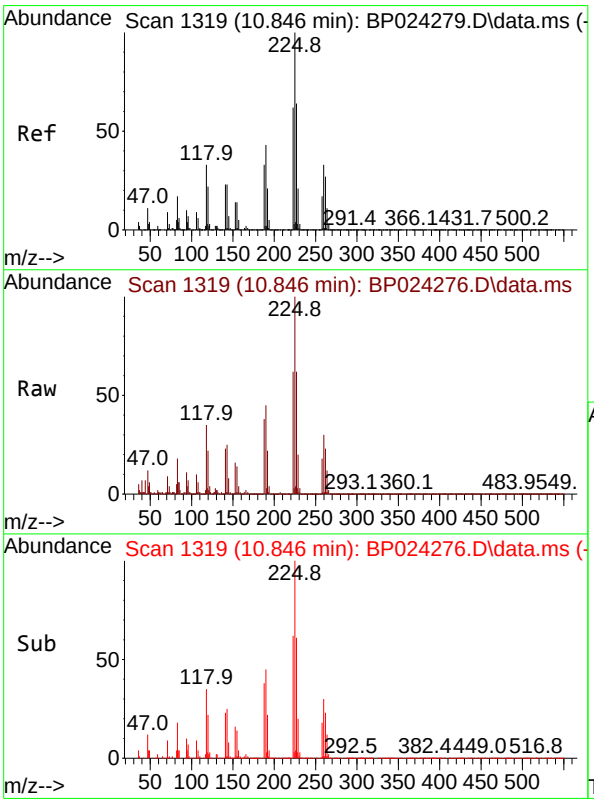
#33
4-Chloroaniline
Concen: 4.437 ng
RT: 10.669 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:127 Resp: 77667

Ion	Ratio	Lower	Upper
127	100		
129	31.4	26.1	39.1
65	28.1	22.1	33.1
92	20.0	15.0	22.4

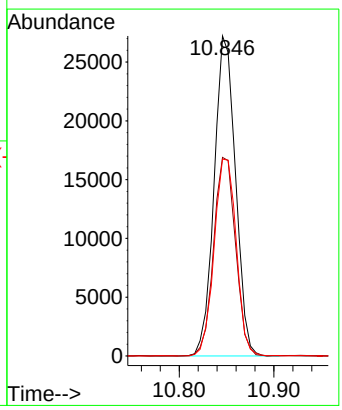


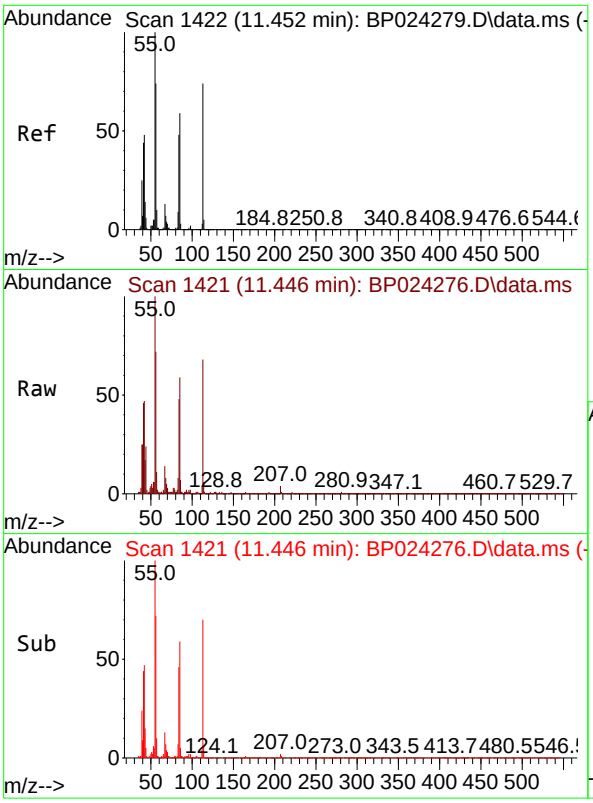


#34
Hexachlorobutadiene
Concen: 4.926 ng
RT: 10.846 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:225 Resp: 42723

Ion	Ratio	Lower	Upper
225	100		
223	62.1	49.5	74.3
227	61.5	50.9	76.3



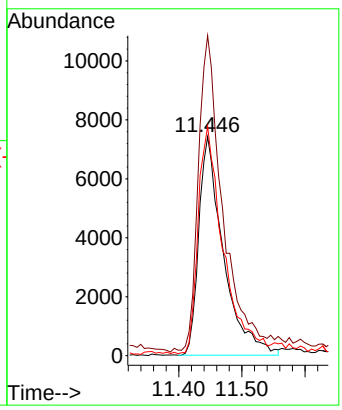


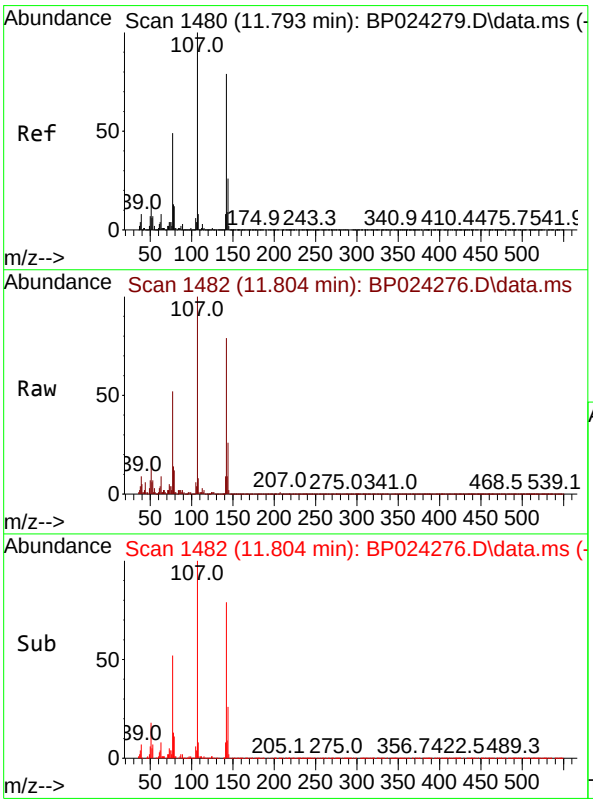
#35
Caprolactam
Concen: 4.002 ng
RT: 11.446 min Scan# 14
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:113 Resp: 20082

Ion	Ratio	Lower	Upper
113	100		
55	146.2	115.9	155.9
56	104.7	81.1	121.1

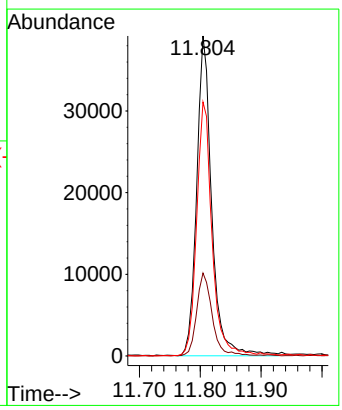


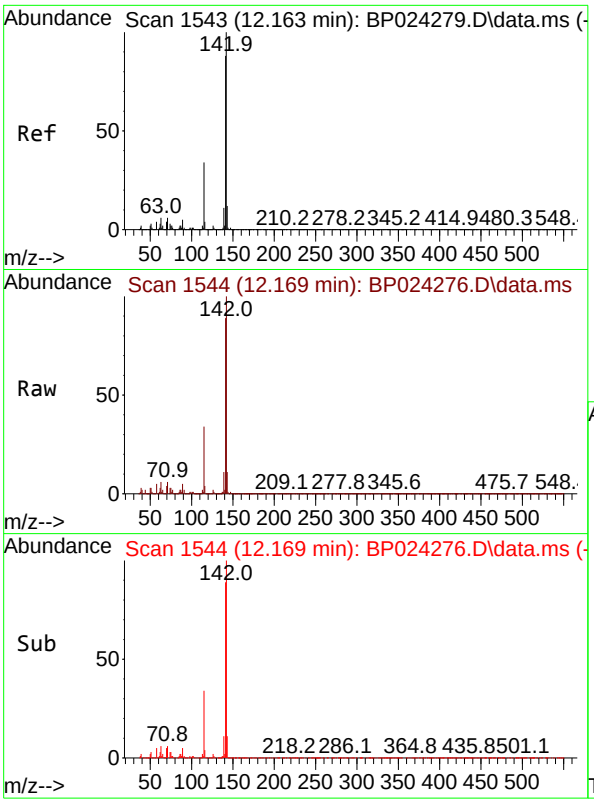


#36
4-Chloro-3-methylphenol
Concen: 4.214 ng
RT: 11.804 min Scan# 1482
Delta R.T. 0.012 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:107 Resp: 67116

Ion	Ratio	Lower	Upper
107	100		
144	25.9	20.5	30.7
142	79.3	63.4	95.2



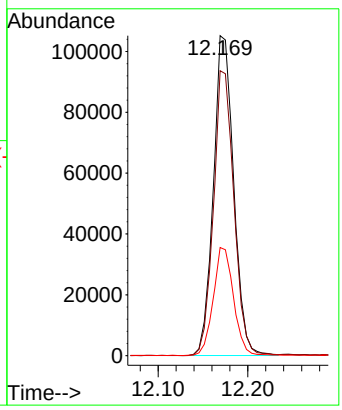


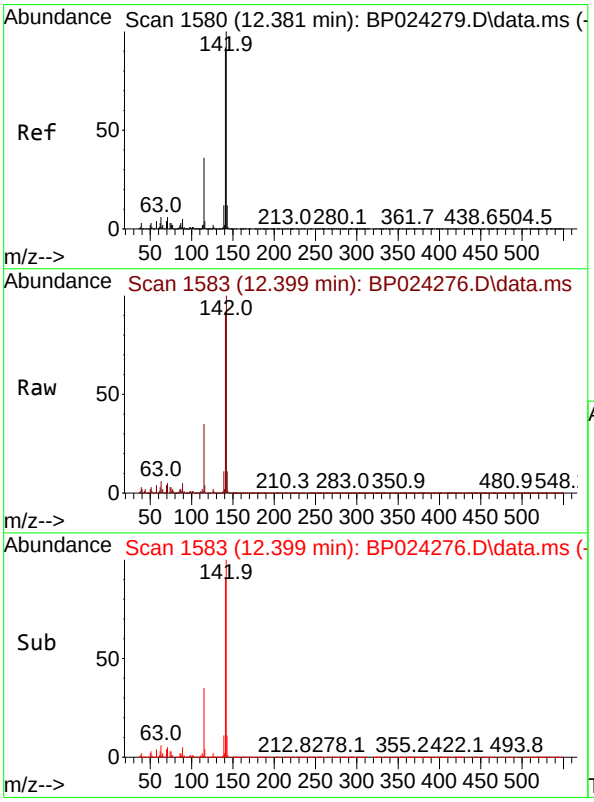
#37
2-Methylnaphthalene
Concen: 4.770 ng
RT: 12.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 165617

Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.3	105.5
115	33.8	26.9	40.3

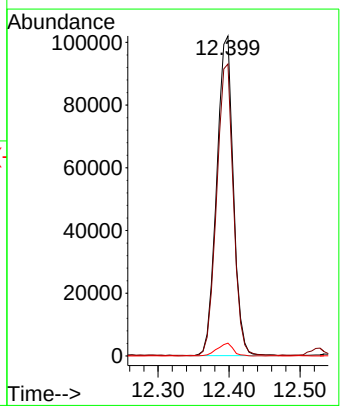


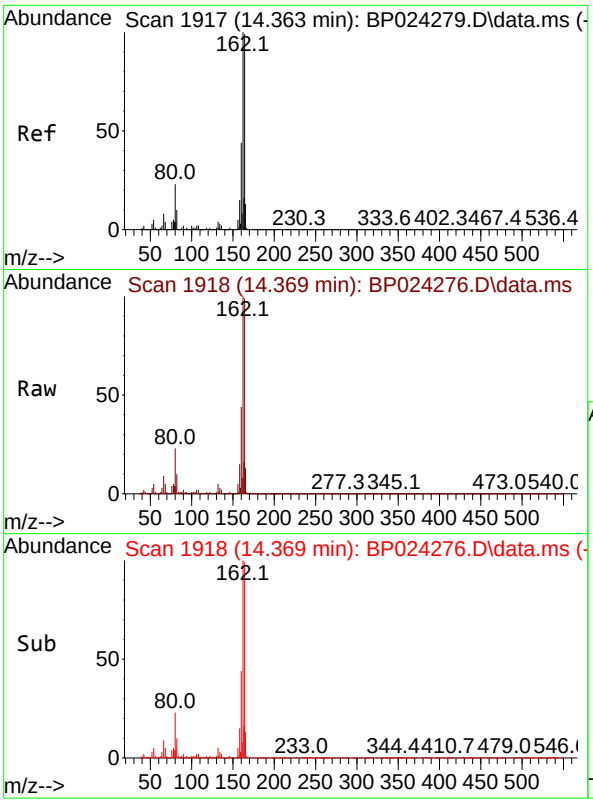


#38
1-Methylnaphthalene
Concen: 4.870 ng
RT: 12.399 min Scan# 1583
Delta R.T. 0.018 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:142 Resp: 165656

Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.6	110.4
116	4.0	3.0	4.6



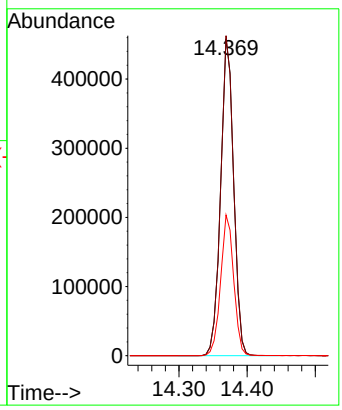


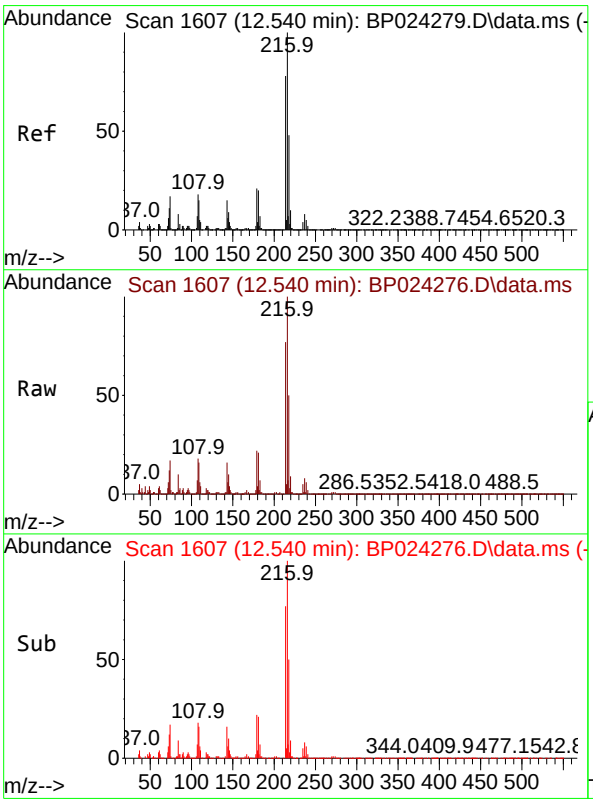
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.369 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:164 Resp: 609743

Ion	Ratio	Lower	Upper
164	100		
162	100.9	80.6	120.8
160	44.4	35.3	52.9

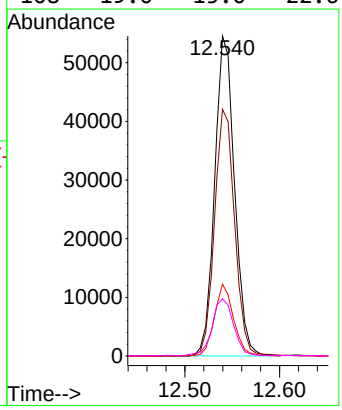


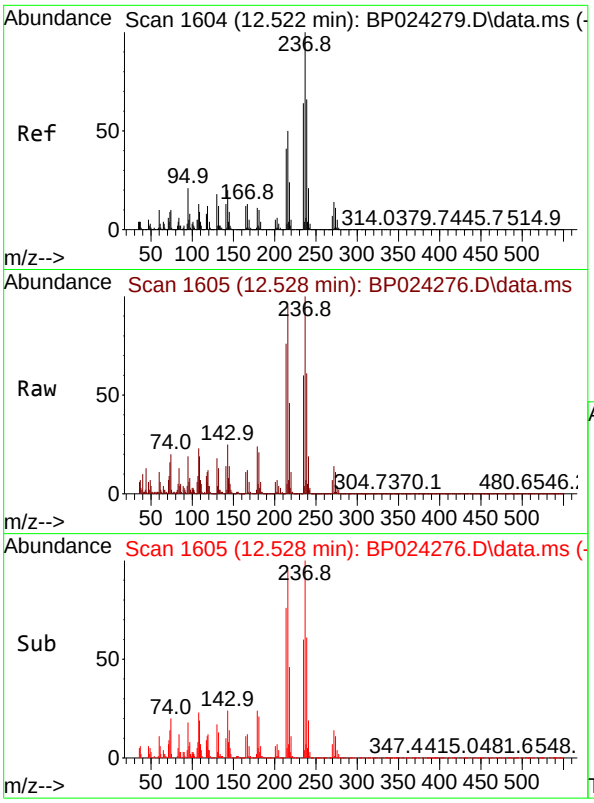


#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.744 ng
RT: 12.540 min Scan# 1607
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:216 Resp: 79501

Ion	Ratio	Lower	Upper
216	100		
214	78.0	62.6	93.8
179	21.7	17.2	25.8
108	19.0	15.0	22.6



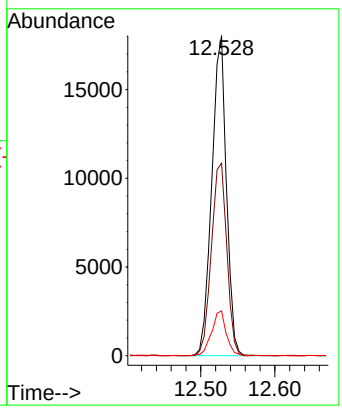


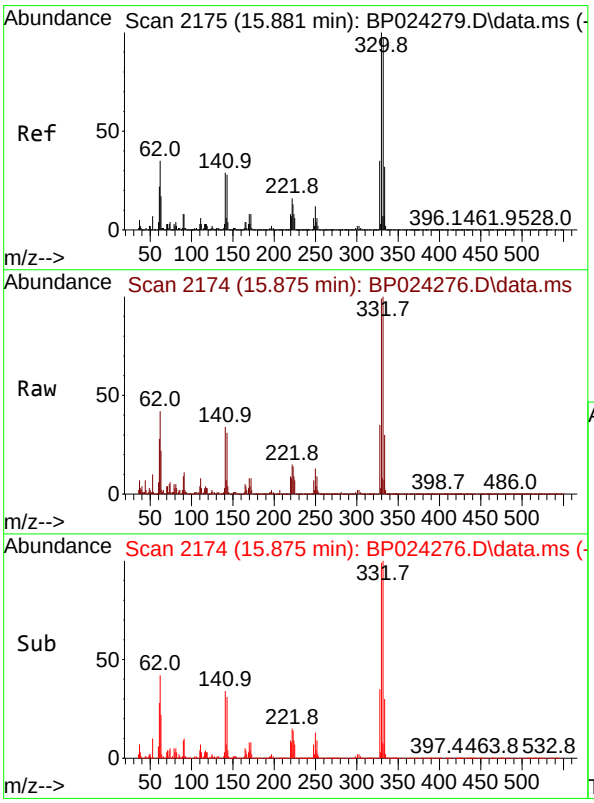
#41
Hexachlorocyclopentadiene
Concen: 4.198 ng
RT: 12.528 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:237 Resp: 24696

Ion	Ratio	Lower	Upper
237	100		
235	60.2	43.9	83.9
272	14.0	0.0	33.6

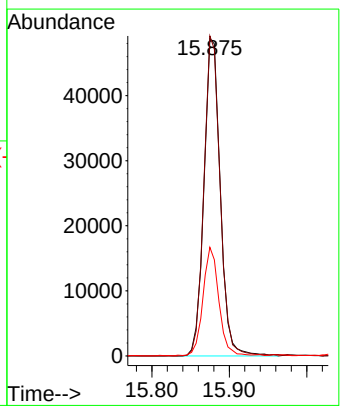


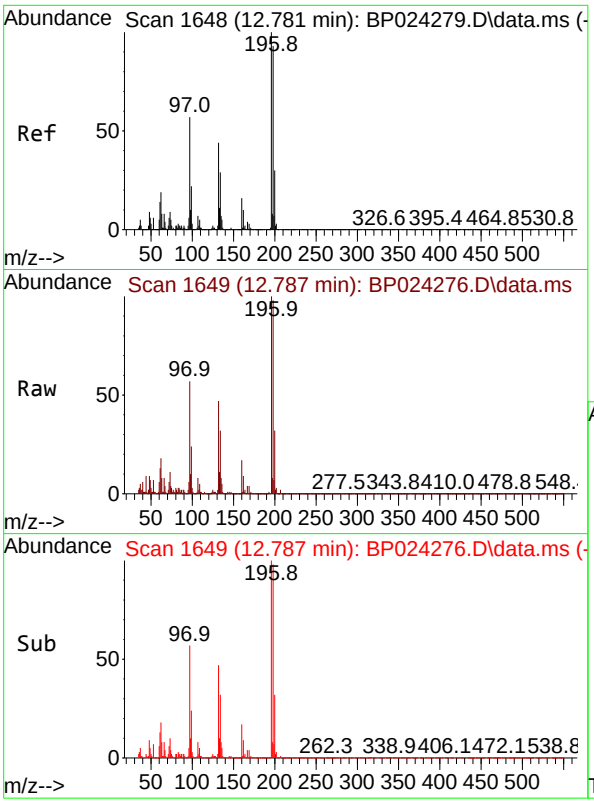


#42
2,4,6-Tribromophenol
Concen: 8.571 ng
RT: 15.875 min Scan# 2174
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:330 Resp: 71560

Ion	Ratio	Lower	Upper
330	100		
332	99.6	77.1	115.7
141	33.2	24.7	37.1



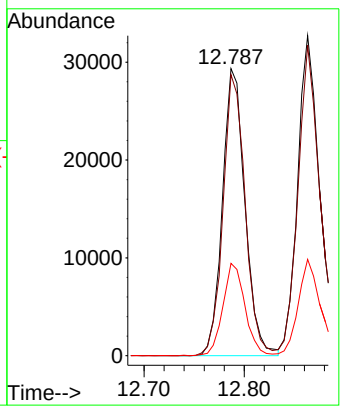


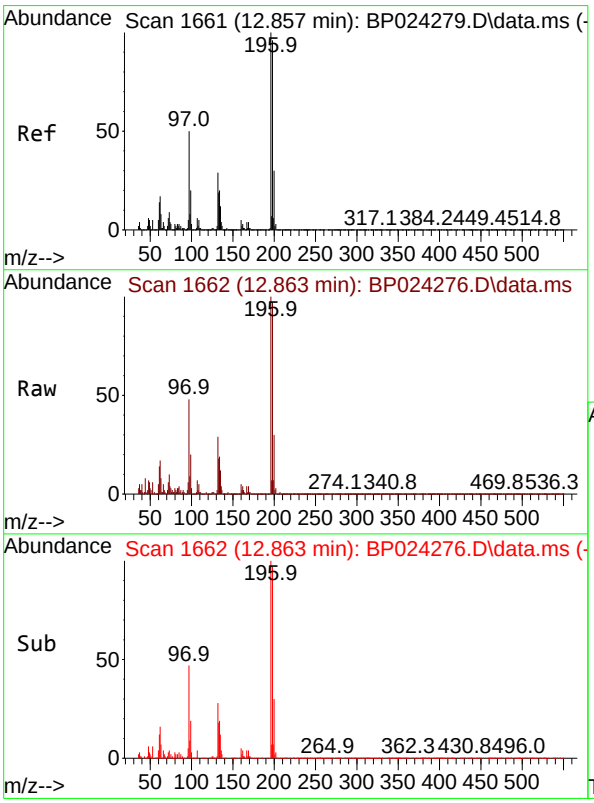
#43
2,4,6-Trichlorophenol
Concen: 4.165 ng
RT: 12.787 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:196 Resp: 45925

Ion	Ratio	Lower	Upper
196	100		
198	97.9	74.3	111.5
200	32.2	24.0	36.0

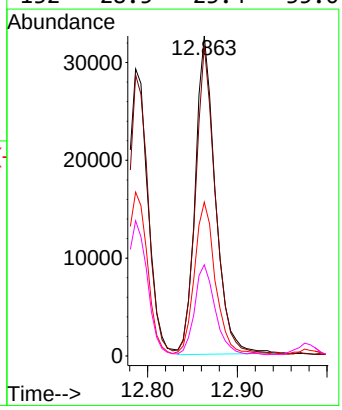


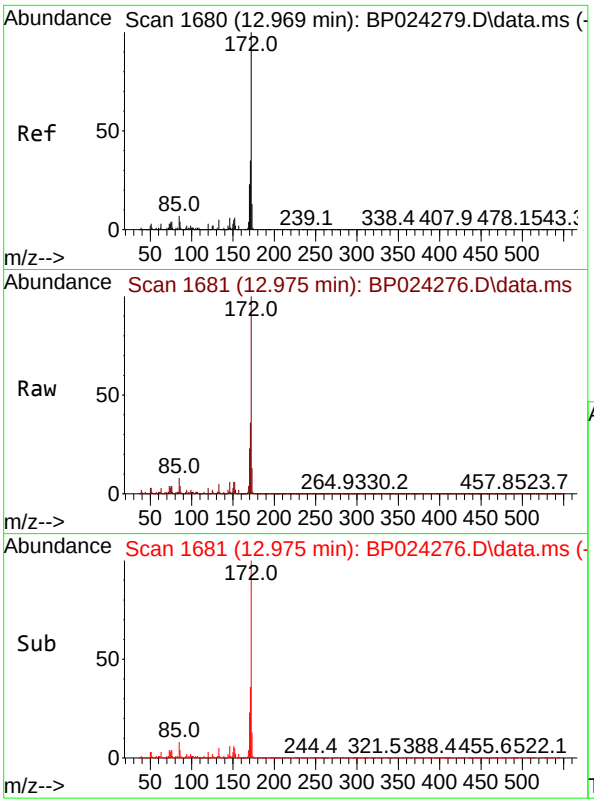


#44
2,4,5-Trichlorophenol
Concen: 4.147 ng
RT: 12.863 min Scan# 1662
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:196 Resp: 50675

Ion	Ratio	Lower	Upper
196	100		
198	97.0	77.3	115.9
97	48.1	40.4	60.6
132	28.5	23.4	35.0



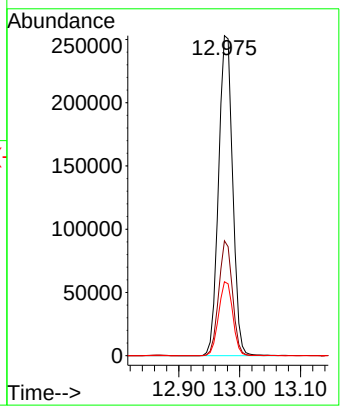


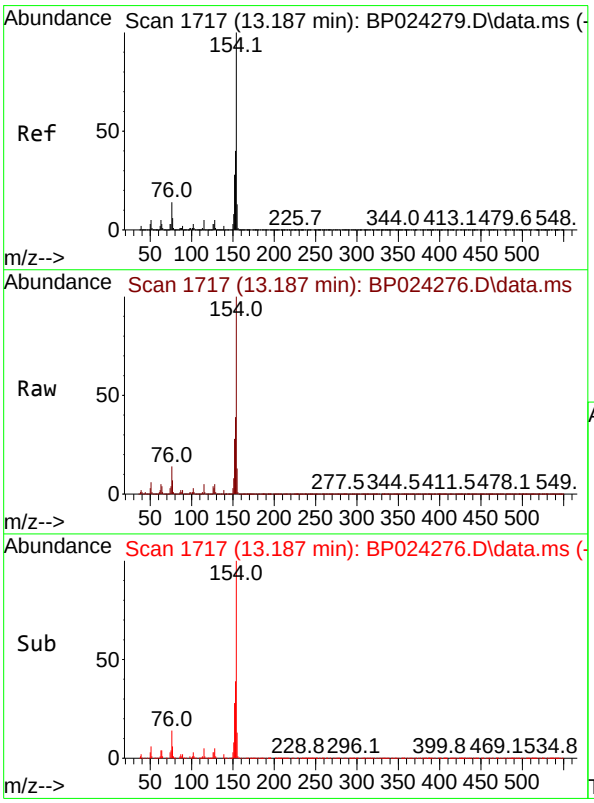
#45
2-Fluorobiphenyl
Concen: 10.111 ng
RT: 12.975 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:172 Resp: 406060

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.2	42.2
170	23.1	18.6	27.8

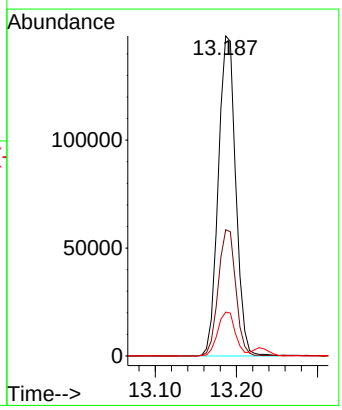


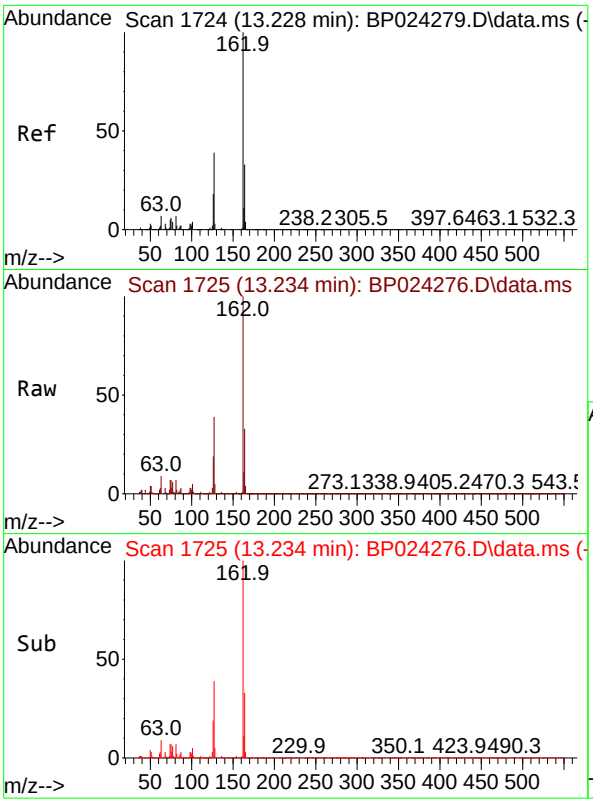


#46
1,1'-Biphenyl
Concen: 4.922 ng
RT: 13.187 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:154 Resp: 221653

Ion	Ratio	Lower	Upper
154	100		
153	39.5	20.3	60.3
76	13.7	0.0	33.5



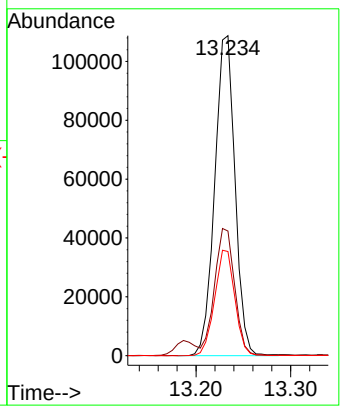


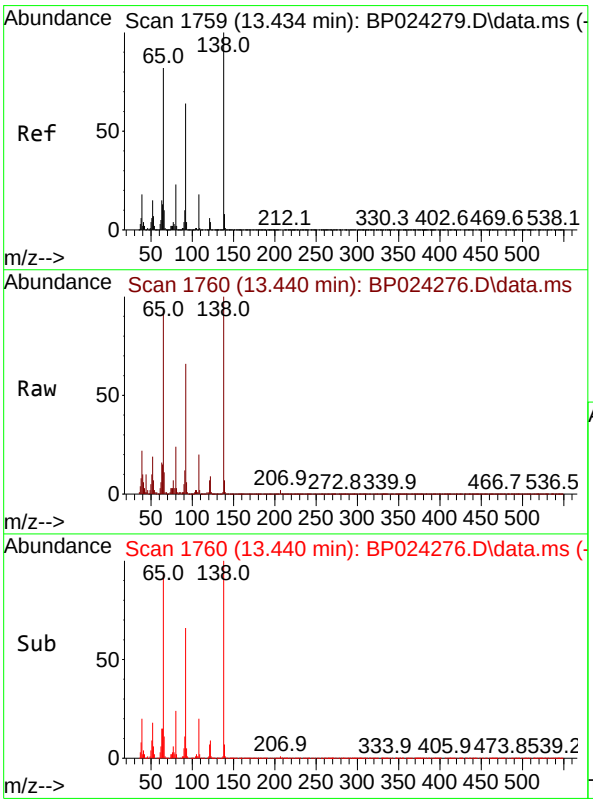
#47
2-Chloronaphthalene
Concen: 4.824 ng
RT: 13.234 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 162099

Ion	Ratio	Lower	Upper
162	100		
127	39.0	31.9	47.9
164	32.5	26.2	39.4

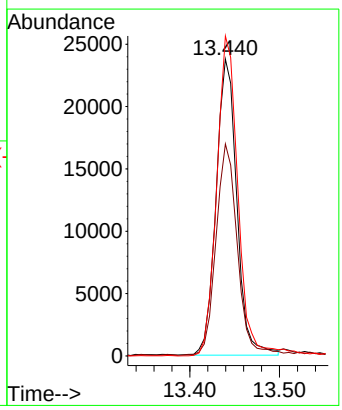


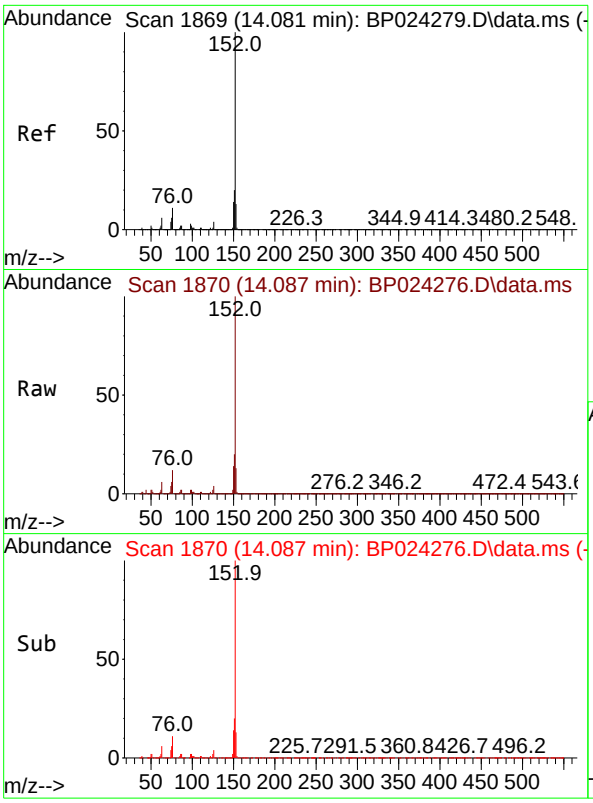


#48
2-Nitroaniline
Concen: 4.111 ng
RT: 13.440 min Scan# 1760
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion: 65 Resp: 38152

Ion	Ratio	Lower	Upper
65	100		
92	71.5	62.3	93.5
138	107.8	97.2	145.8



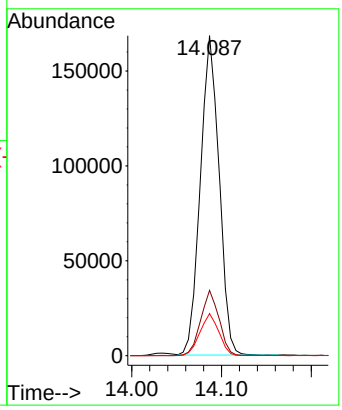


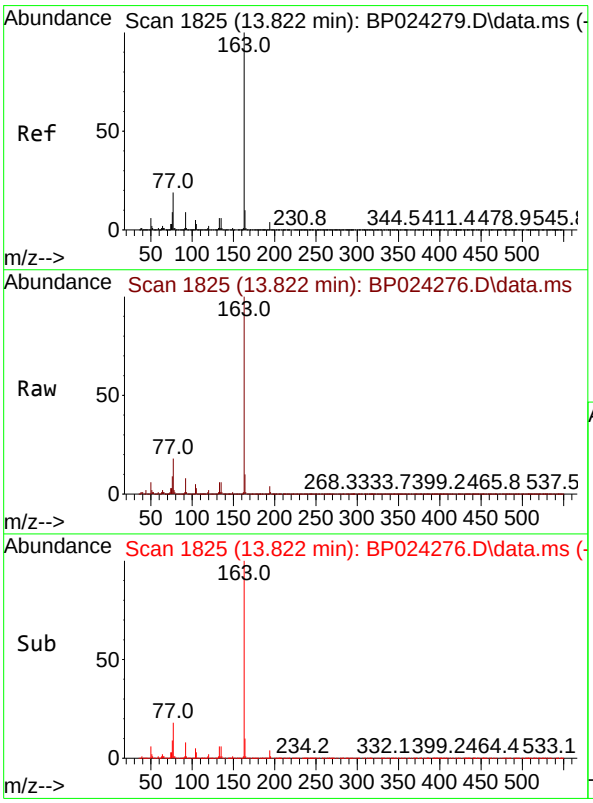
#49
Acenaphthylene
Concen: 4.637 ng
RT: 14.087 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 244566

Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.9	23.9
153	13.2	10.6	15.8

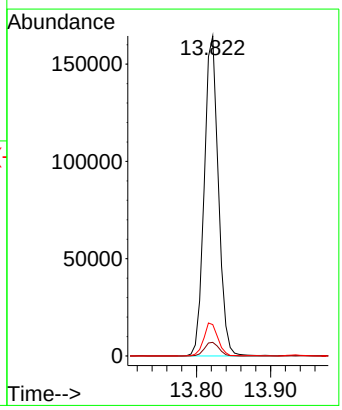


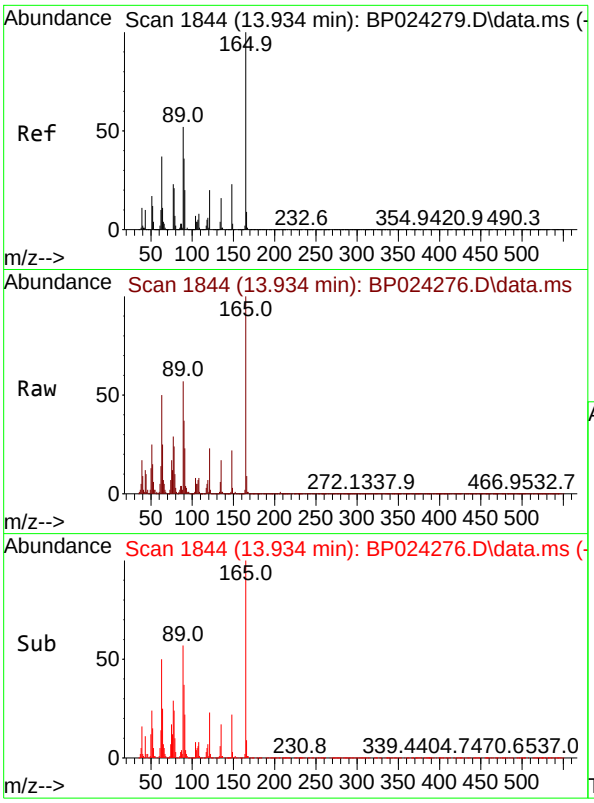


#50
Dimethylphthalate
Concen: 4.897 ng
RT: 13.822 min Scan# 1825
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:163 Resp: 217848

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	9.8	8.0	12.0



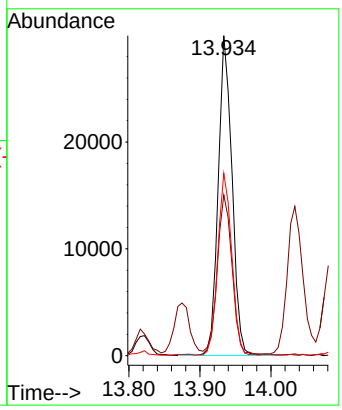


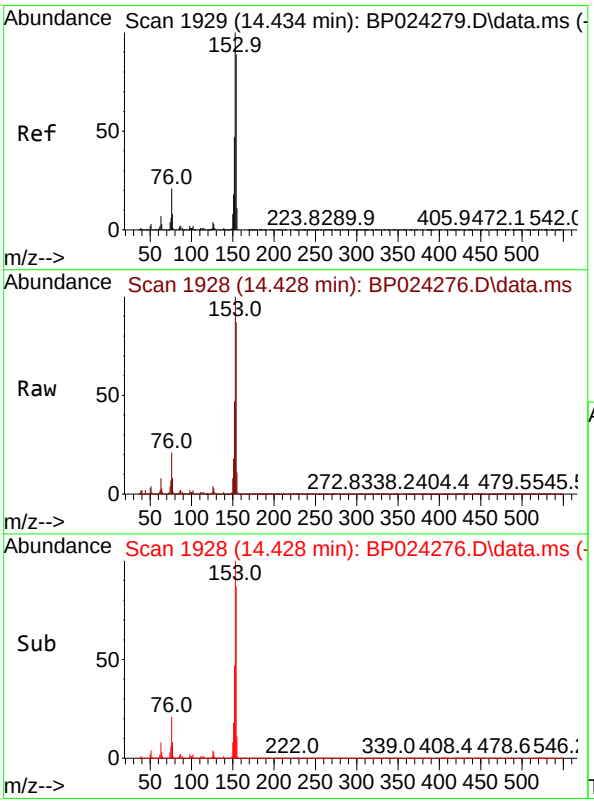
#51
2,6-Dinitrotoluene
Concen: 4.287 ng
RT: 13.934 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:165 Resp: 40182

Ion	Ratio	Lower	Upper
165	100		
63	50.3	38.0	57.0
89	57.0	41.7	62.5

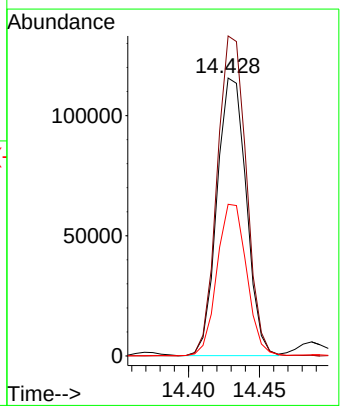


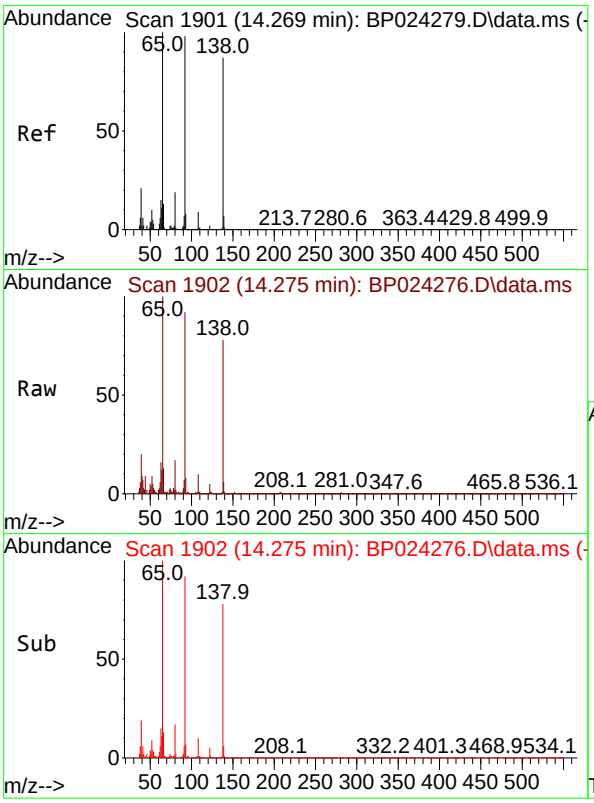


#52
Acenaphthene
Concen: 4.940 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:154 Resp: 165694

Ion	Ratio	Lower	Upper
154	100		
153	115.2	89.8	134.6
152	54.6	42.6	63.8



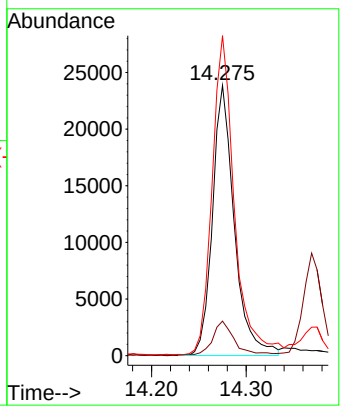


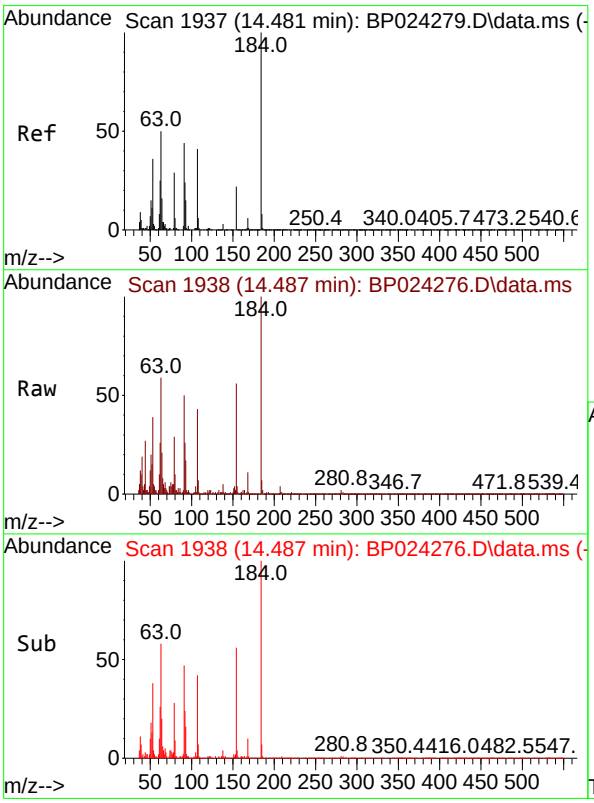
#53
3-Nitroaniline
Concen: 3.926 ng
RT: 14.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 38178

Ion	Ratio	Lower	Upper
138	100		
108	12.8	8.3	12.5#
92	118.4	89.8	134.8

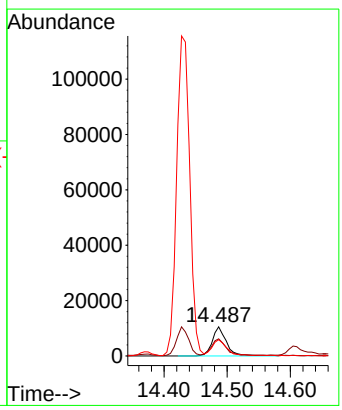


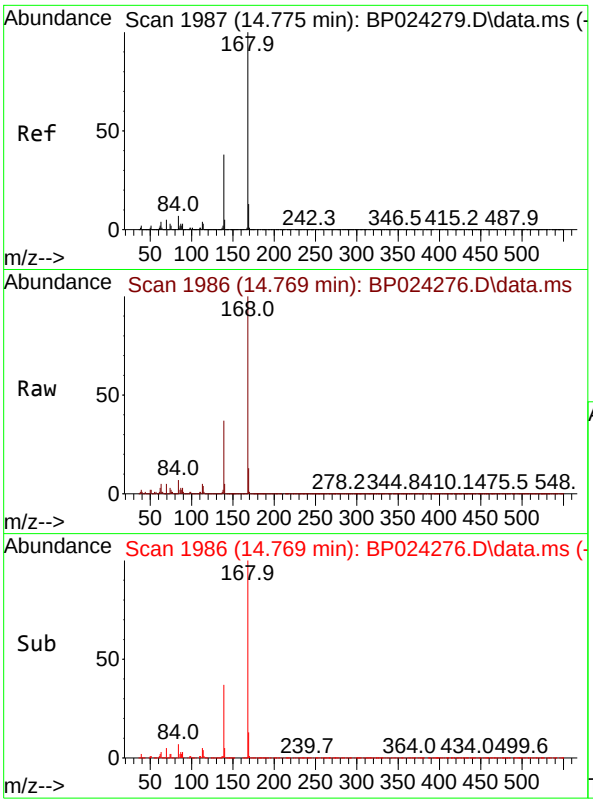


#54
2,4-Dinitrophenol
Concen: 3.254 ng
RT: 14.487 min Scan# 1938
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:184 Resp: 16331

Ion	Ratio	Lower	Upper
184	100		
63	59.1	42.6	64.0
154	56.0	47.2	70.8



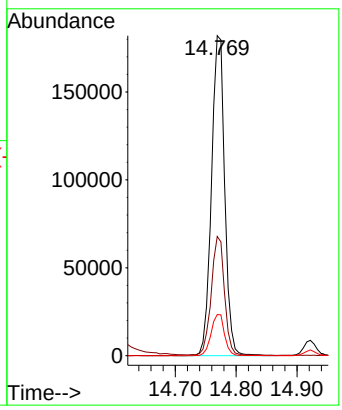


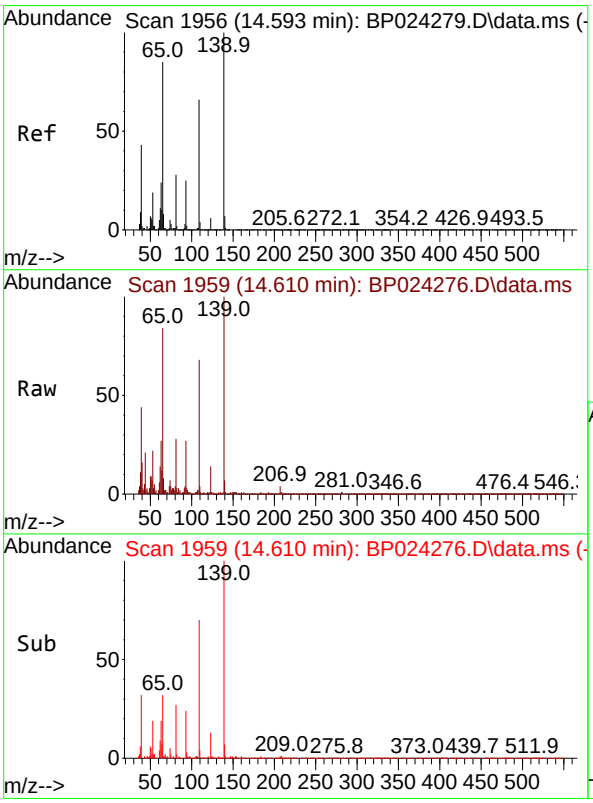
#55
Dibenzofuran
Concen: 4.991 ng
RT: 14.769 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:168 Resp: 274506

Ion	Ratio	Lower	Upper
168	100		
139	37.3	30.3	45.5
169	12.9	10.6	16.0

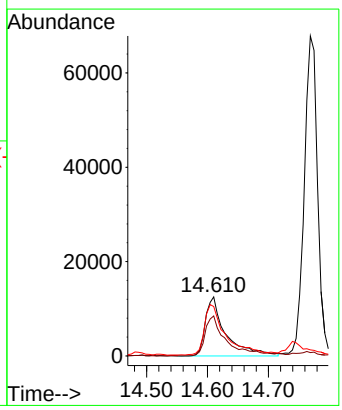


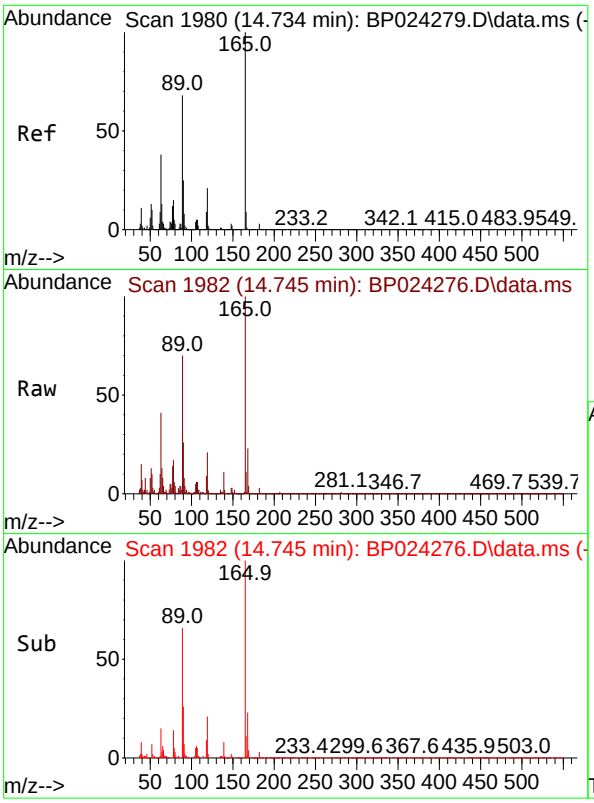


#56
4-Nitrophenol
Concen: 3.473 ng
RT: 14.610 min Scan# 1959
Delta R.T. 0.018 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:139 Resp: 29033

Ion	Ratio	Lower	Upper
139	100		
109	67.8	46.1	86.1
65	83.9	65.0	105.0



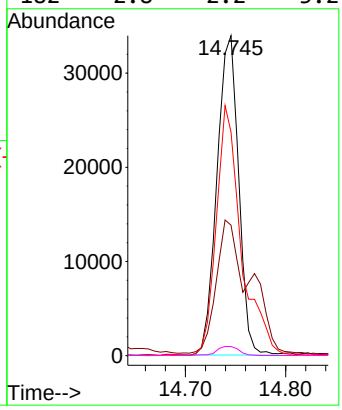


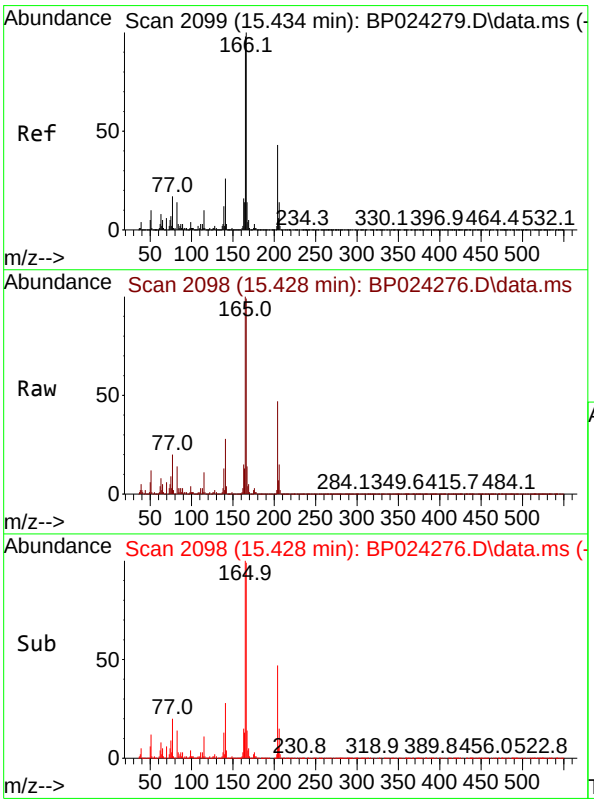
#57
2,4-Dinitrotoluene
Concen: 4.013 ng
RT: 14.745 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:165 Resp: 50843

Ion	Ratio	Lower	Upper
165	100		
63	40.8	30.4	45.6
89	69.9	54.6	82.0
182	2.8	2.2	3.2

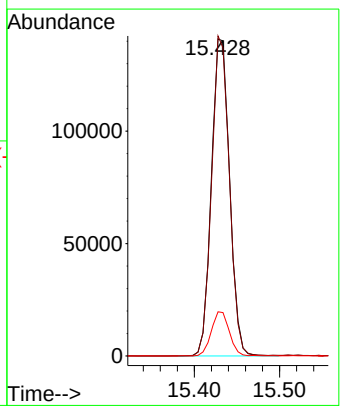


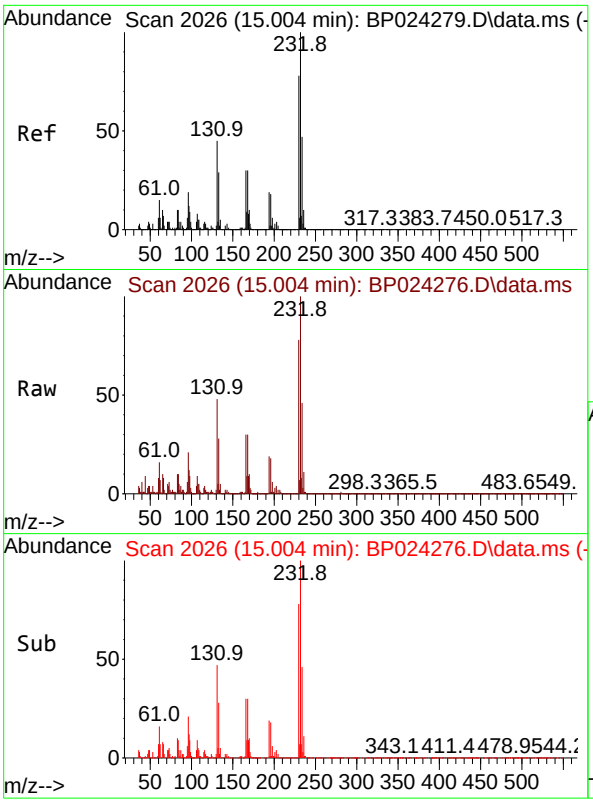


#58
Fluorene
Concen: 4.939 ng
RT: 15.428 min Scan# 2098
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:166 Resp: 209763

Ion	Ratio	Lower	Upper
166	100		
165	101.0	78.1	117.1
167	13.9	10.9	16.3



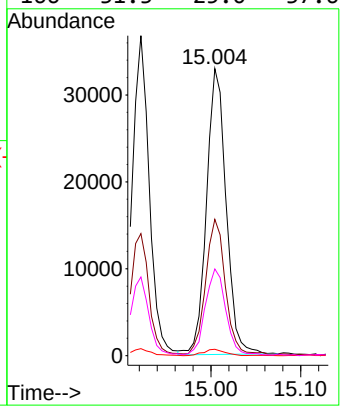


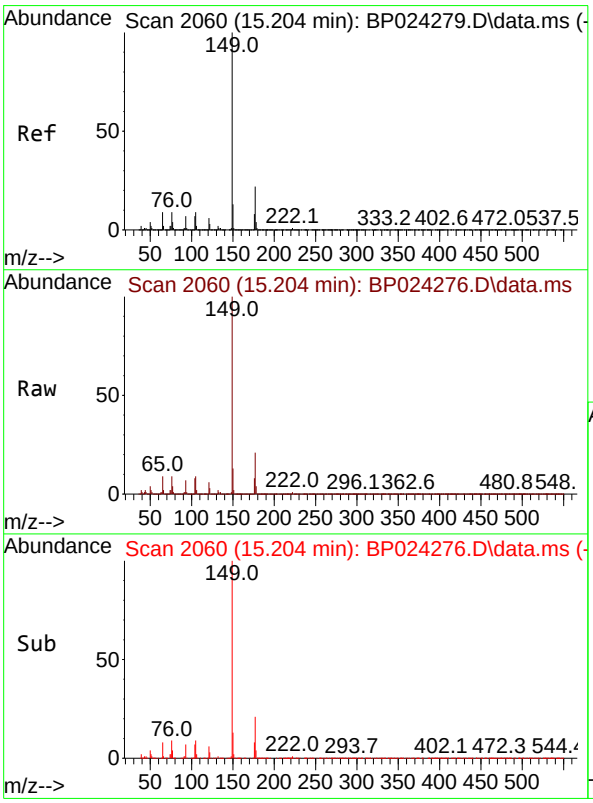
#59
2,3,4,6-Tetrachlorophenol
Concen: 4.415 ng
RT: 15.004 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:232 Resp: 49911

Ion	Ratio	Lower	Upper
232	100		
131	48.4	36.8	55.2
130	2.5	1.9	2.9
166	31.3	25.0	37.6

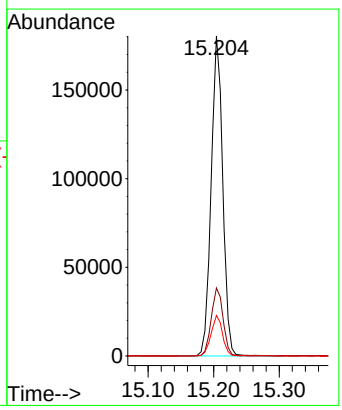


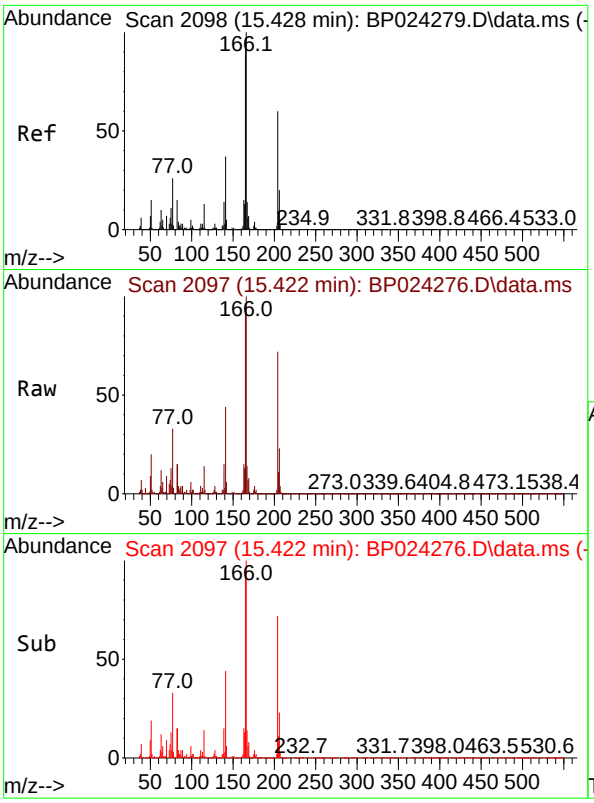


#60
Diethylphthalate
Concen: 4.830 ng
RT: 15.204 min Scan# 2060
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:149 Resp: 221119

Ion	Ratio	Lower	Upper
149	100		
177	21.3	17.4	26.2
150	12.7	10.1	15.1



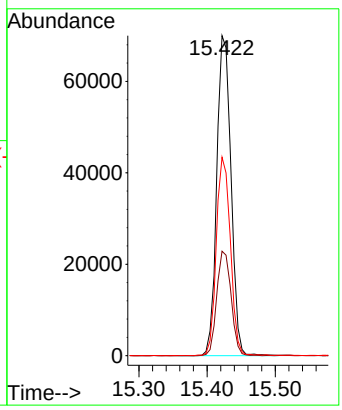


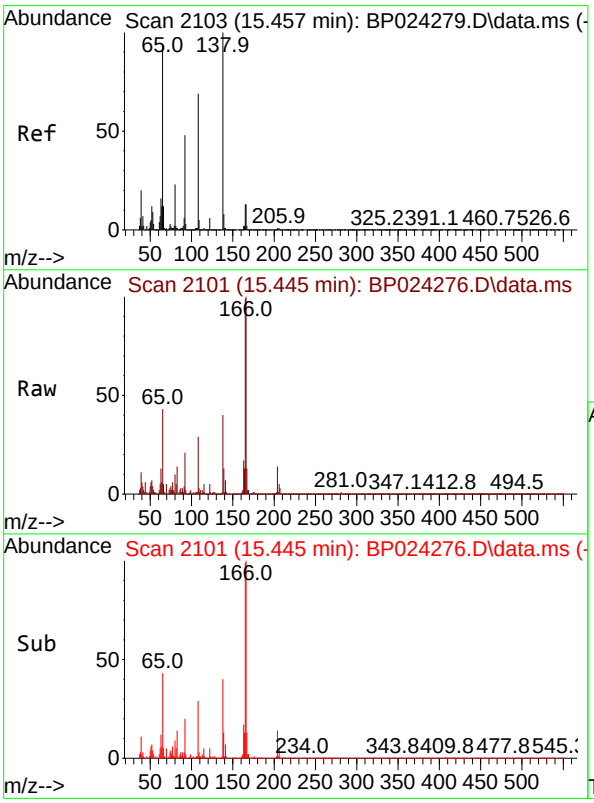
#61
4-Chlorophenyl-phenylether
Concen: 4.928 ng
RT: 15.422 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:204 Resp: 101636

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.5	39.7
141	62.0	49.4	74.0

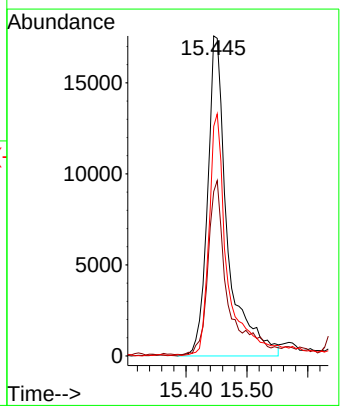


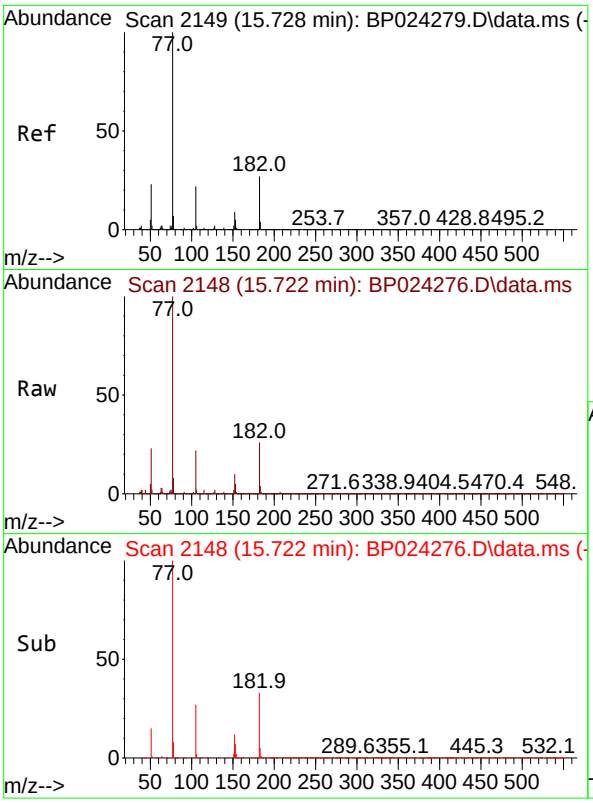


#62
4-Nitroaniline
Concen: 3.893 ng
RT: 15.445 min Scan# 2101
Delta R.T. -0.012 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:138 Resp: 40139

Ion	Ratio	Lower	Upper
138	100		
92	51.4	27.8	67.8
108	71.8	48.9	88.9



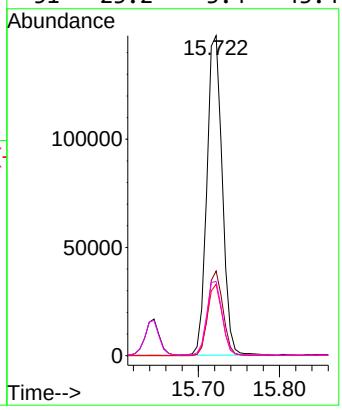


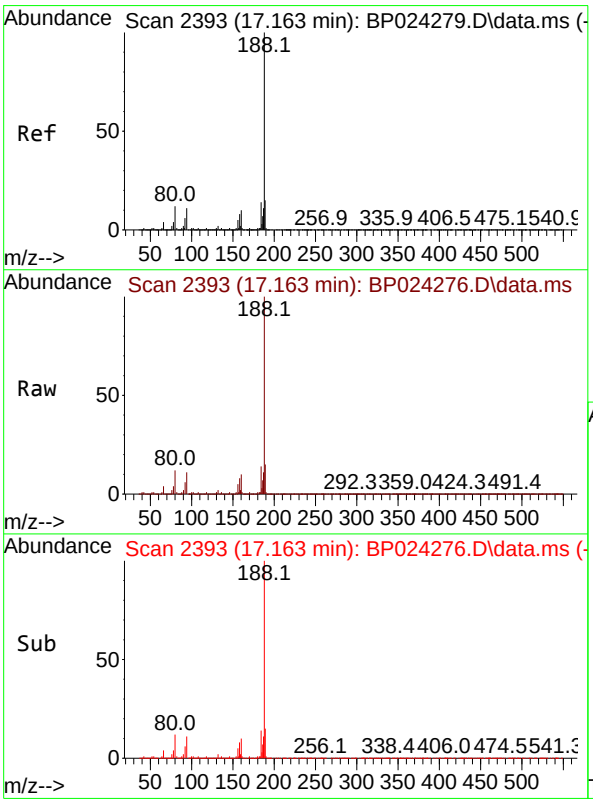
#63
Azobenzene
Concen: 4.586 ng
RT: 15.722 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 193402

Ion	Ratio	Lower	Upper
77	100		
182	26.4	7.3	47.3
105	22.3	2.3	42.3
51	23.2	3.4	43.4

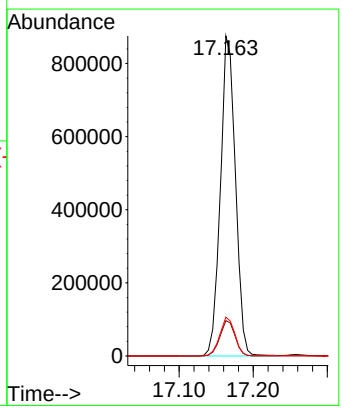


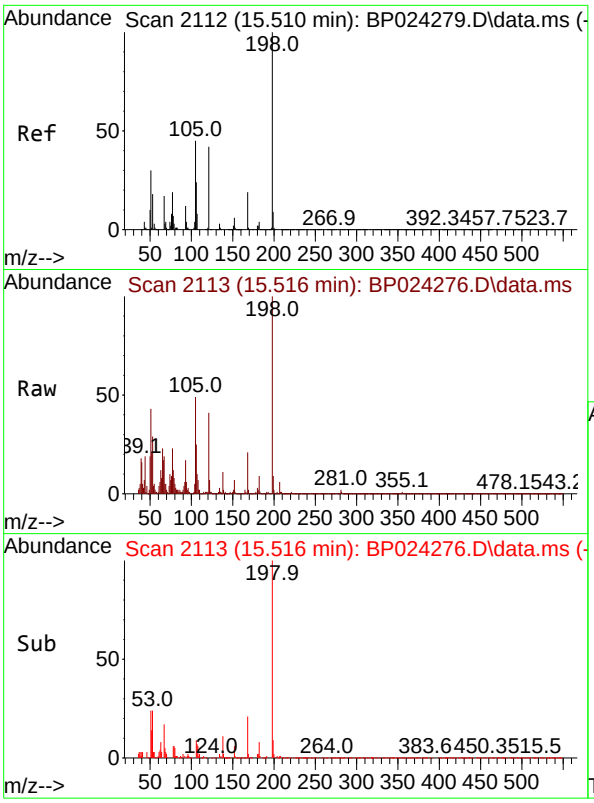


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2393
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:188 Resp: 1234074

Ion	Ratio	Lower	Upper
188	100		
94	11.1	8.6	13.0
80	12.1	9.8	14.6



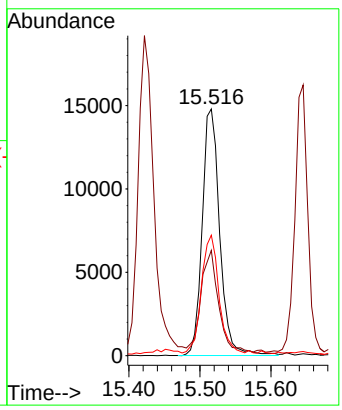


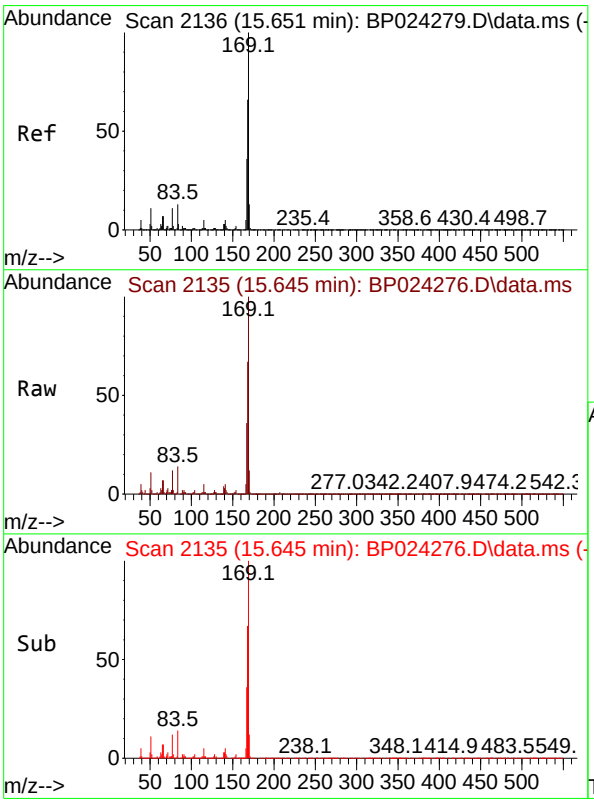
#65
4,6-Dinitro-2-methylphenol
Concen: 3.528 ng
RT: 15.516 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:198 Resp: 25438

Ion	Ratio	Lower	Upper
198	100		
51	42.7	18.4	58.4
105	48.8	26.5	66.5

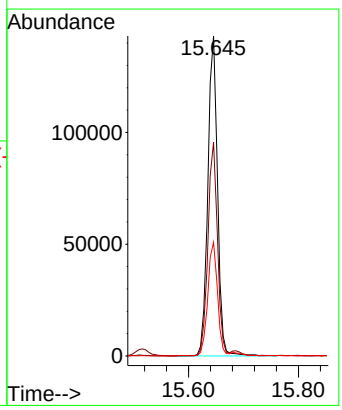


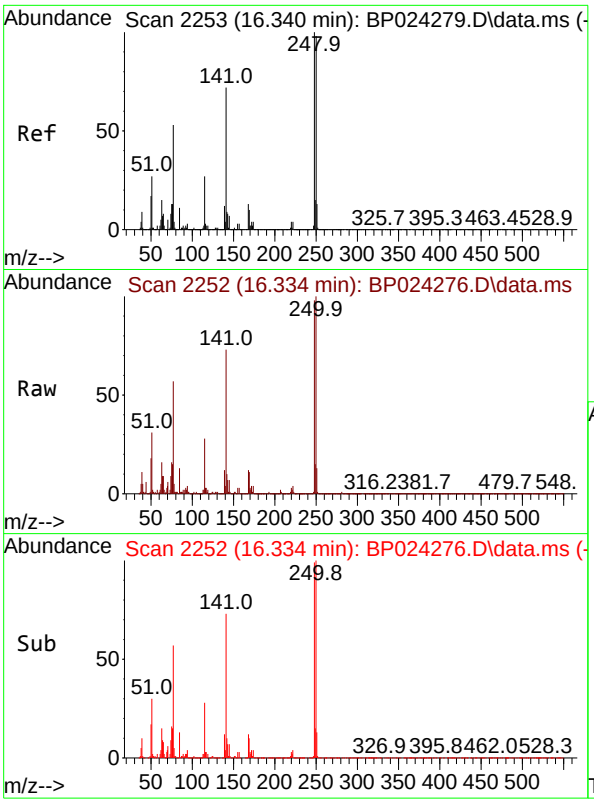


#66
n-Nitrosodiphenylamine
Concen: 4.726 ng
RT: 15.645 min Scan# 2135
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:169 Resp: 174867

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.0	79.4
167	35.6	28.9	43.3



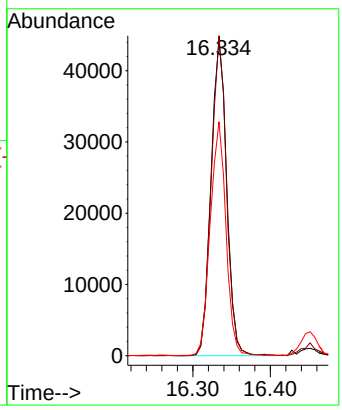


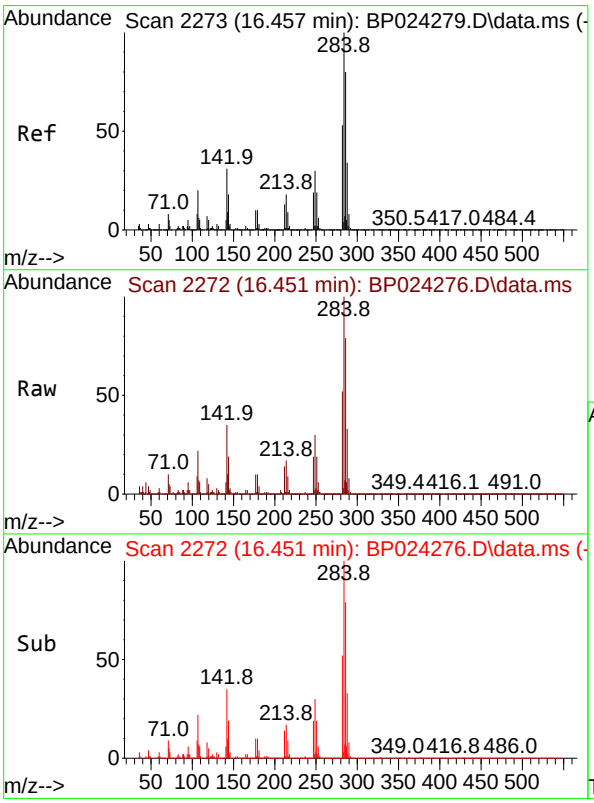
#67
4-Bromophenyl-phenylether
Concen: 4.647 ng
RT: 16.334 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:248 Resp: 62558

Ion	Ratio	Lower	Upper
248	100		
250	101.6	78.2	117.4
141	74.2	57.7	86.5

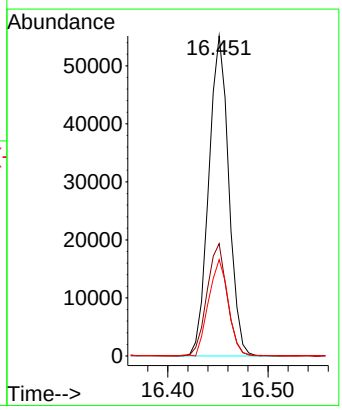


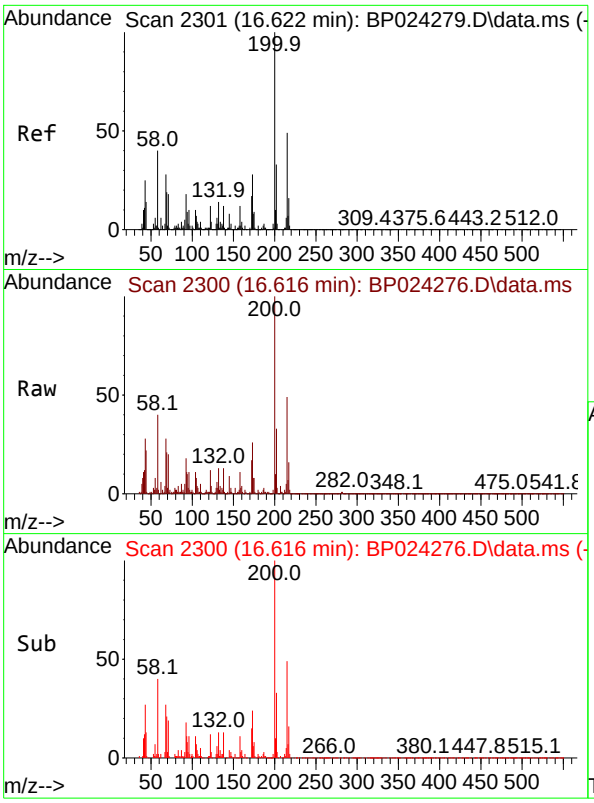


#68
Hexachlorobenzene
Concen: 4.766 ng
RT: 16.451 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:284 Resp: 76267

Ion	Ratio	Lower	Upper
284	100		
142	35.1	24.6	37.0
249	30.1	23.8	35.6



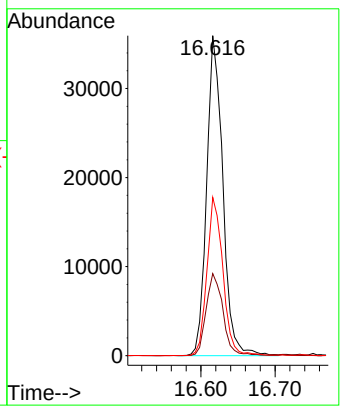


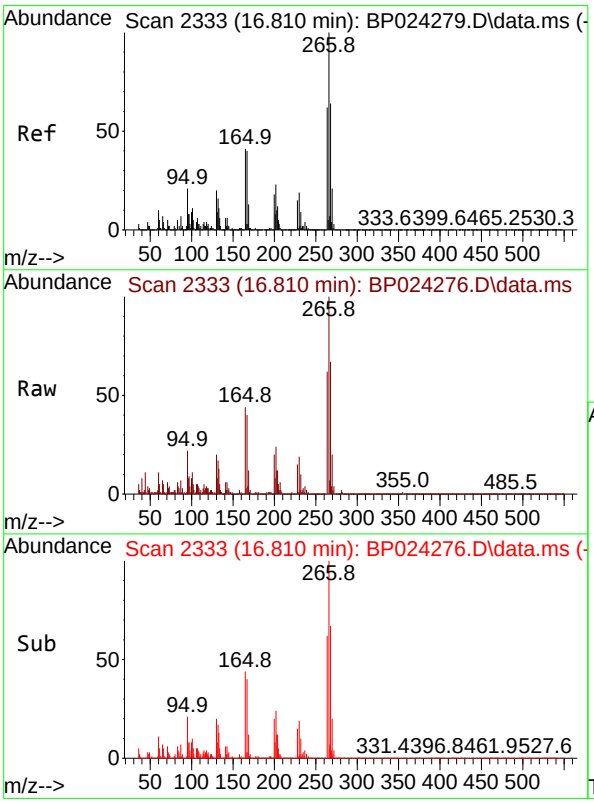
#69
Atrazine
Concen: 5.803 ng
RT: 16.616 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:200 Resp: 54439

Ion	Ratio	Lower	Upper
200	100		
173	25.6	7.5	47.5
215	49.4	28.8	68.8

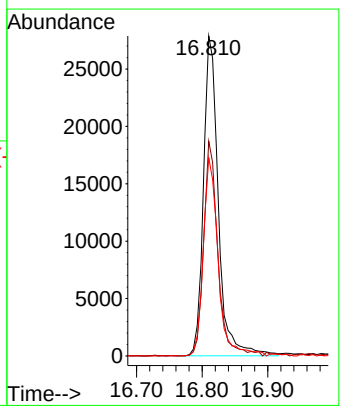


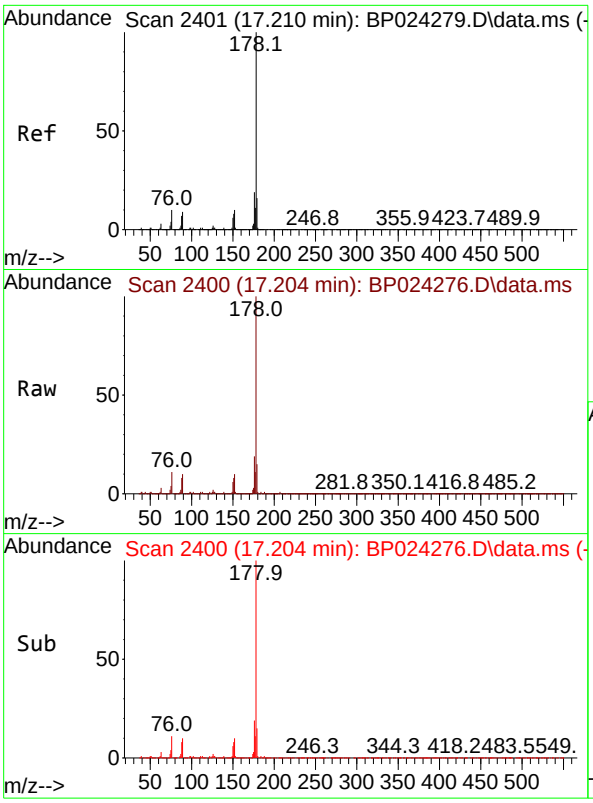


#70
Pentachlorophenol
Concen: 4.015 ng
RT: 16.810 min Scan# 2333
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:266 Resp: 44119

Ion	Ratio	Lower	Upper
266	100		
268	67.1	51.0	76.6
264	61.9	49.8	74.6



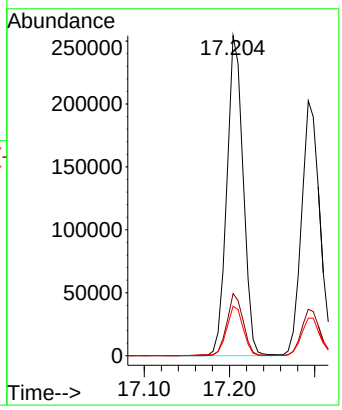


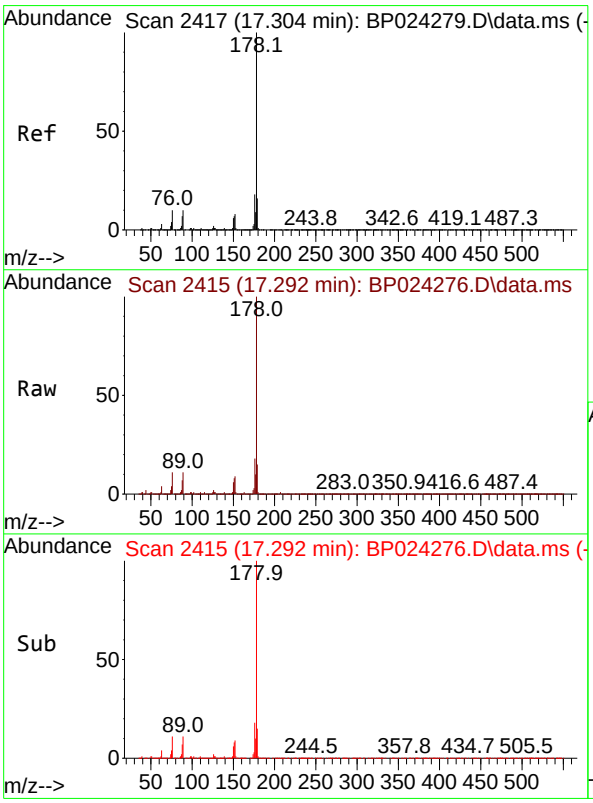
#71
Phenanthrene
Concen: 5.005 ng
RT: 17.204 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:178 Resp: 338611

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.5	12.5	18.7

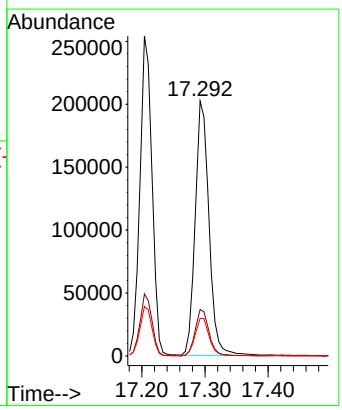


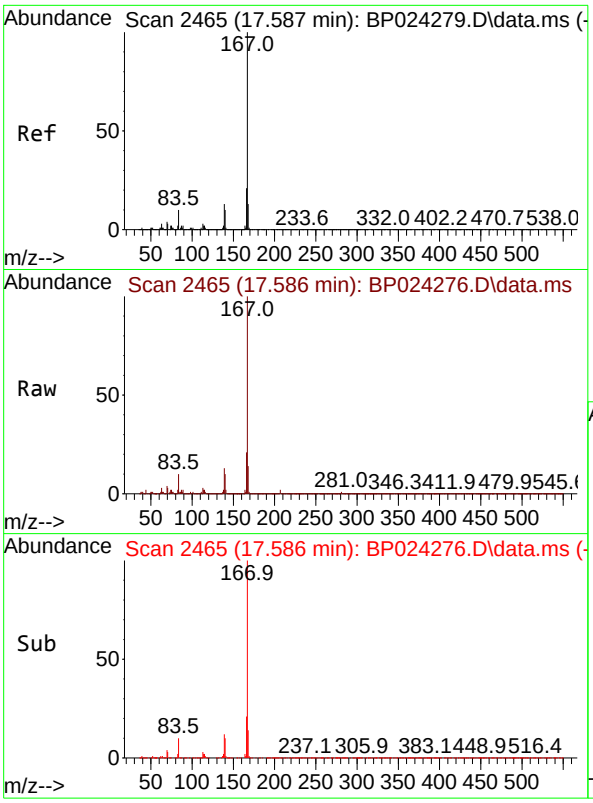


#72
Anthracene
Concen: 4.716 ng
RT: 17.292 min Scan# 2415
Delta R.T. -0.012 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:178 Resp: 307065

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.7	22.1
179	14.8	12.4	18.6



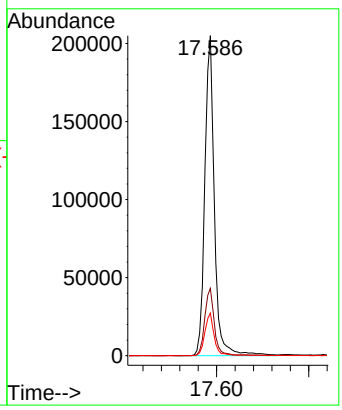


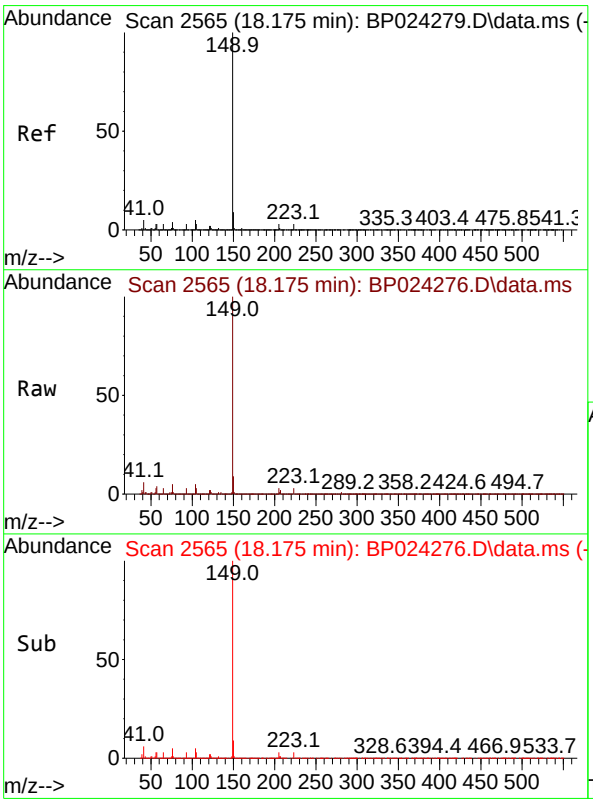
#73
Carbazole
Concen: 4.711 ng
RT: 17.586 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:167 Resp: 298495

Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.1	25.7
139	13.3	10.6	16.0

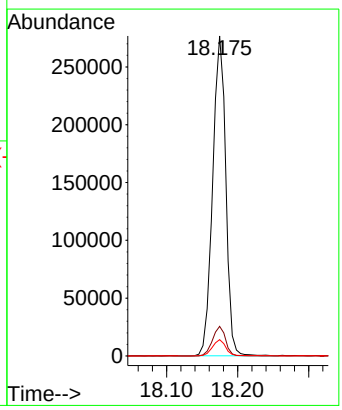


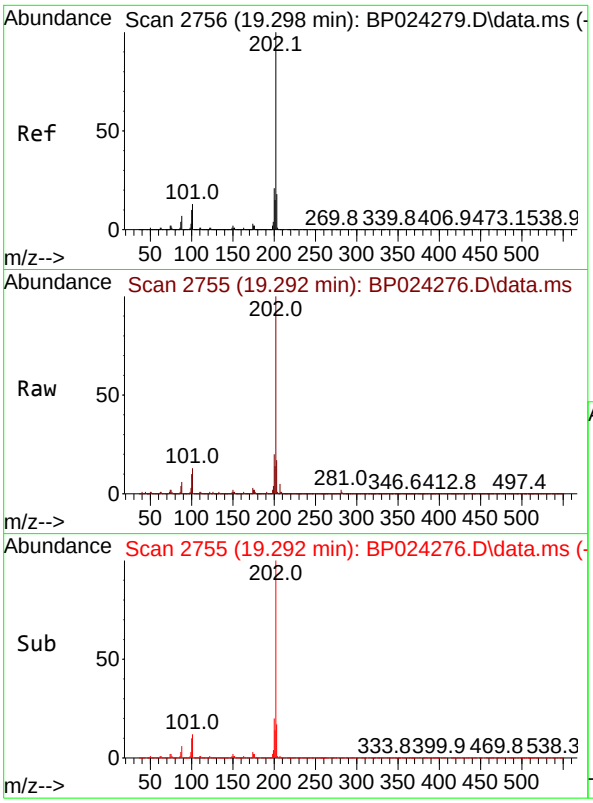


#74
Di-n-butylphthalate
Concen: 4.484 ng
RT: 18.175 min Scan# 2565
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:149 Resp: 354008

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.1	3.9	5.9



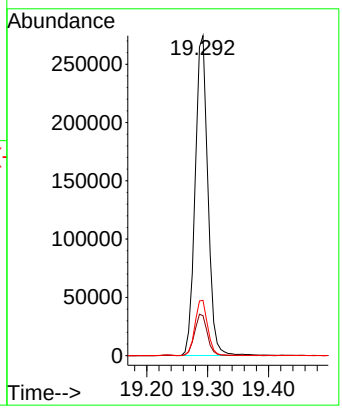


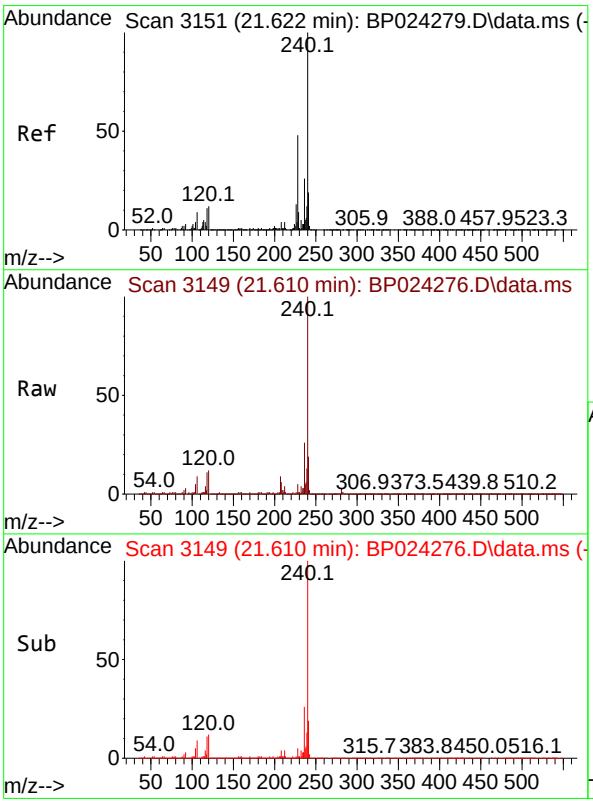
#75
Fluoranthene
Concen: 4.951 ng
RT: 19.292 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:202 Resp: 397601

Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	33.2
203	17.3	0.0	37.7

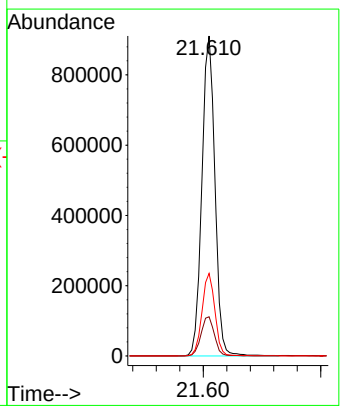


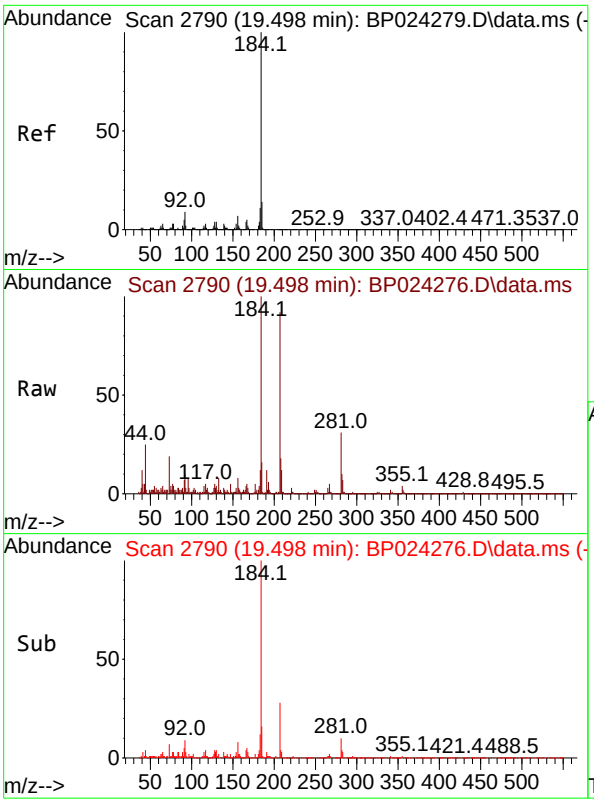


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.610 min Scan# 3149
Delta R.T. -0.012 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:240 Resp: 1401979

Ion	Ratio	Lower	Upper
240	100		
120	12.2	9.8	14.8
236	25.8	20.9	31.3



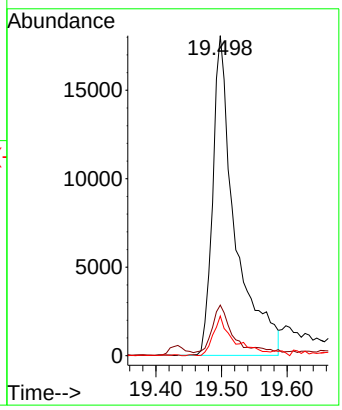


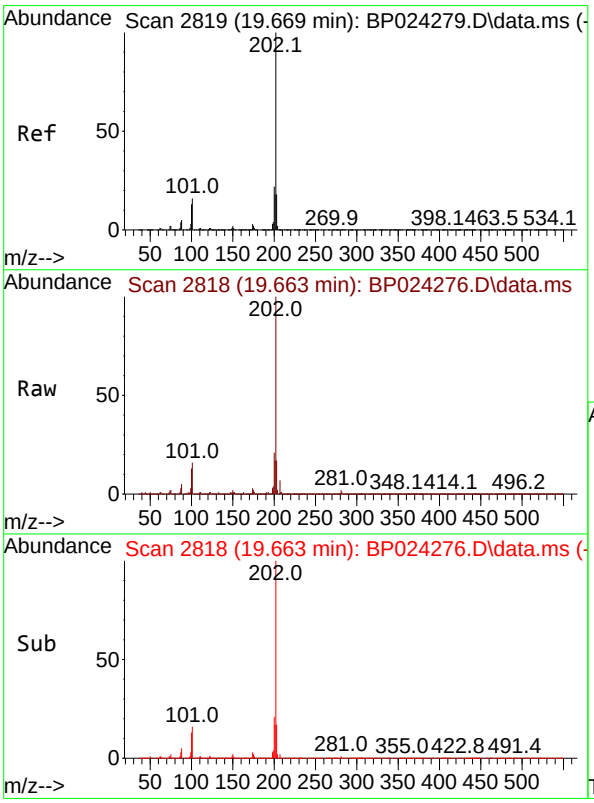
#77
Benzidine
Concen: 2.469 ng
RT: 19.498 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:184 Resp: 42733

Ion	Ratio	Lower	Upper
184	100		
185	15.8	11.6	17.4
183	12.4	9.2	13.8

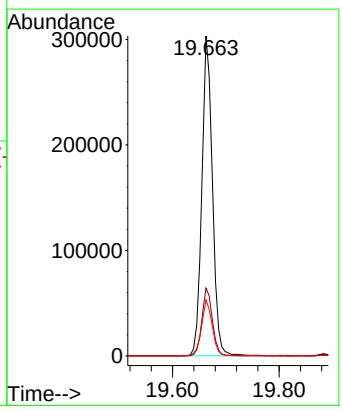


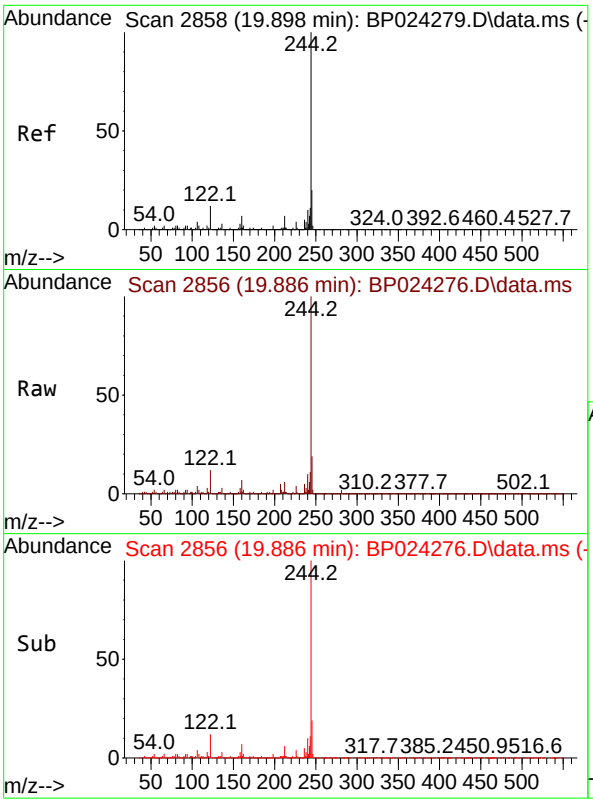


#78
Pyrene
Concen: 4.657 ng
RT: 19.663 min Scan# 2818
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:202 Resp: 417746

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.2	25.8
203	17.5	14.4	21.6



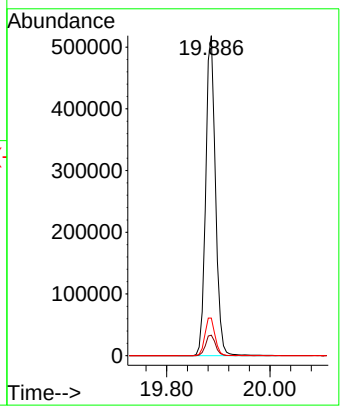


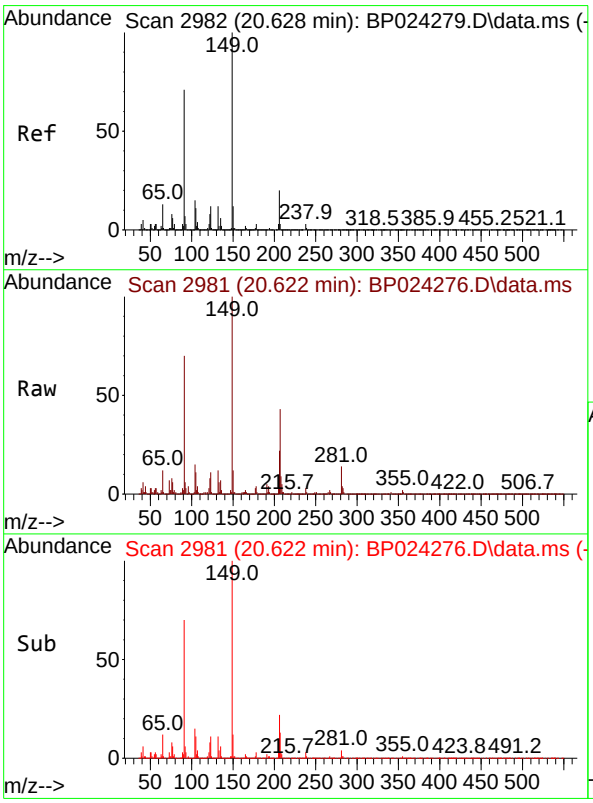
#79
Terphenyl-d14
Concen: 9.638 ng
RT: 19.886 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:244 Resp: 677812

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.6	8.4
122	11.7	9.4	14.0

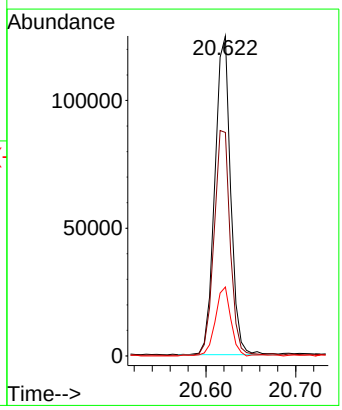


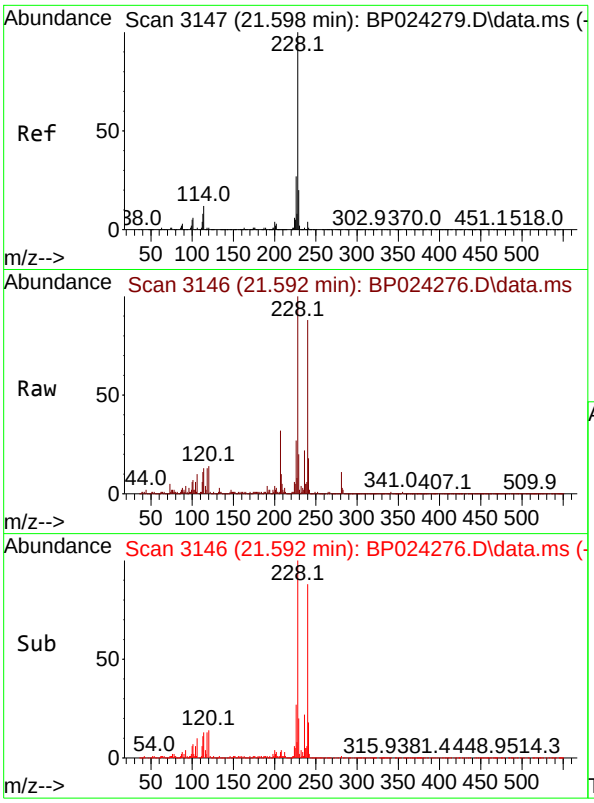


#80
Butylbenzylphthalate
Concen: 4.024 ng
RT: 20.622 min Scan# 2981
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:149 Resp: 152196

Ion	Ratio	Lower	Upper
149	100		
91	69.9	56.4	84.6
206	21.6	16.3	24.5



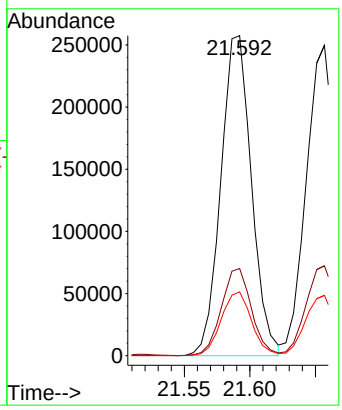


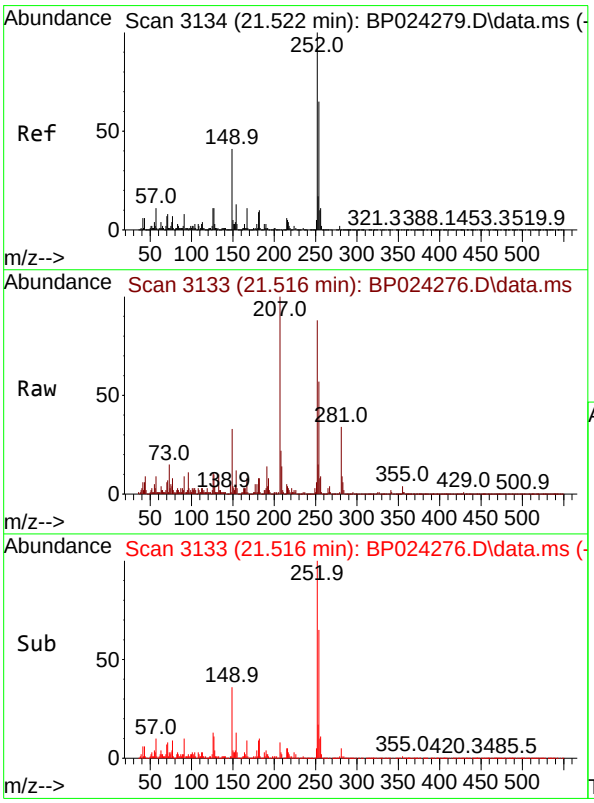
#81
Benzo(a)anthracene
Concen: 4.791 ng
RT: 21.592 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 418745

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	20.0	15.9	23.9

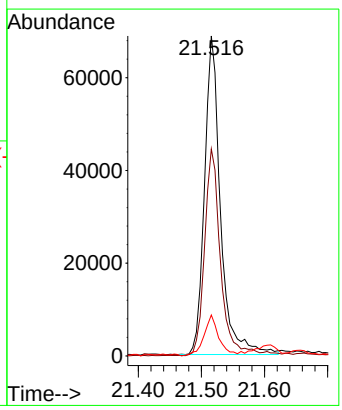


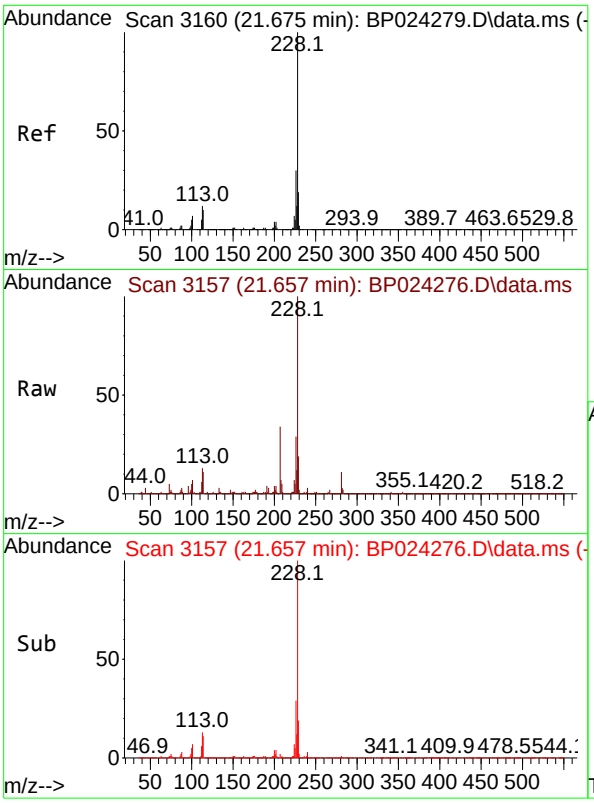


#82
3,3'-Dichlorobenzidine
Concen: 3.994 ng
RT: 21.516 min Scan# 3133
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:252 Resp: 121047

Ion	Ratio	Lower	Upper
252	100		
254	64.7	51.7	77.5
126	12.8	8.8	13.2



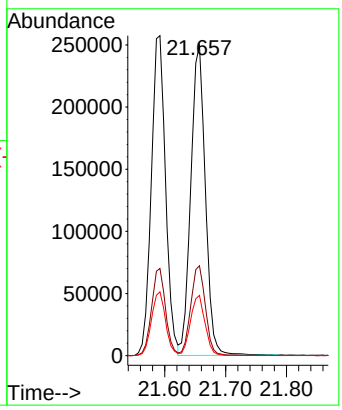


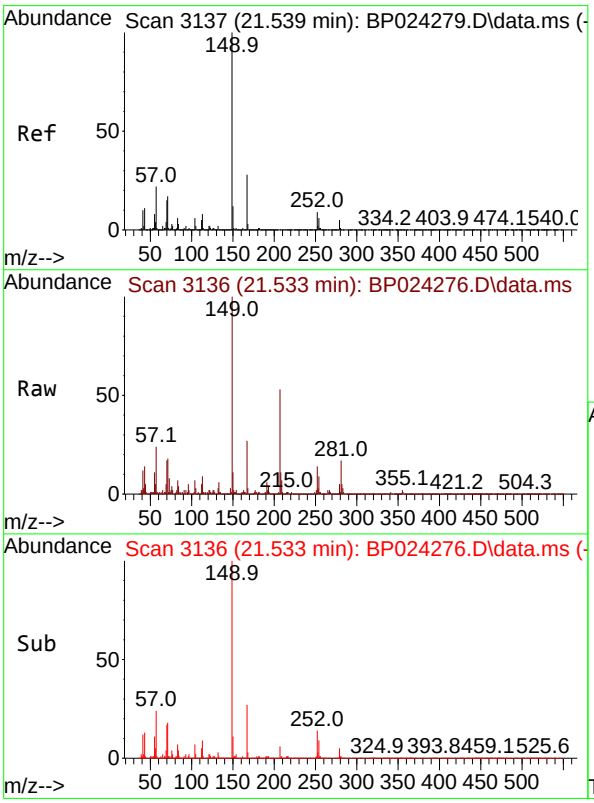
#83
Chrysene
Concen: 4.937 ng
RT: 21.657 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 413570

Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.2	36.2
229	19.4	15.6	23.4

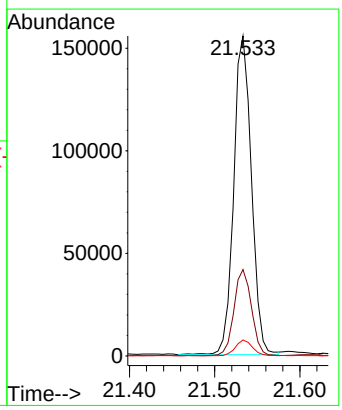


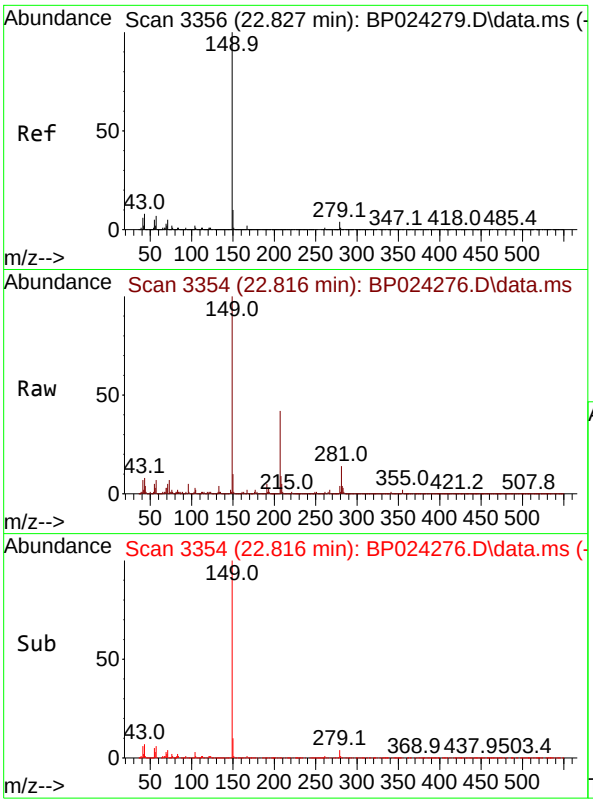


#84
Bis(2-ethylhexyl)phthalate
Concen: 4.021 ng
RT: 21.533 min Scan# 3136
Delta R.T. -0.006 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:149 Resp: 223960

Ion	Ratio	Lower	Upper
149	100		
167	27.0	22.4	33.6
279	5.0	4.0	6.0



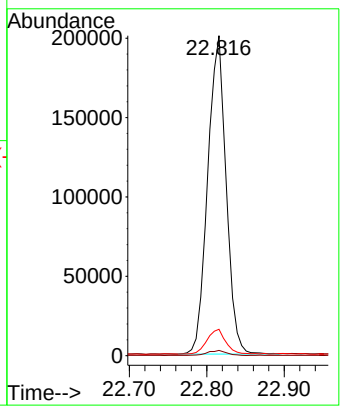


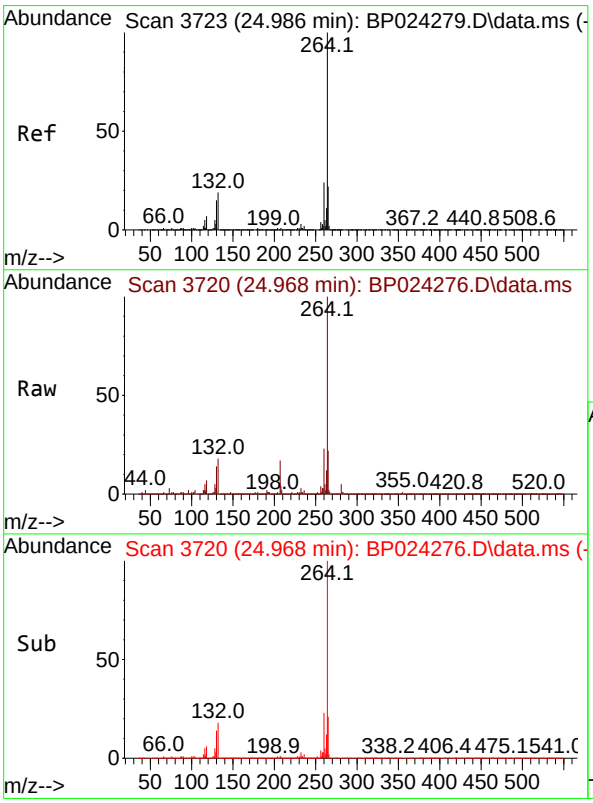
#85
Di-n-octyl phthalate
Concen: 3.712 ng
RT: 22.816 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 331185

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.9	6.0	9.0

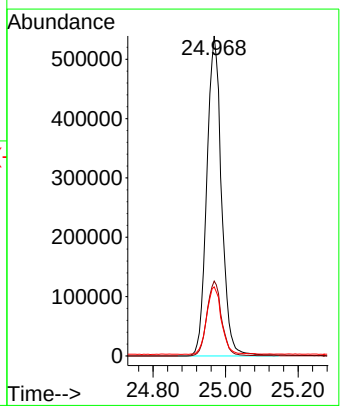


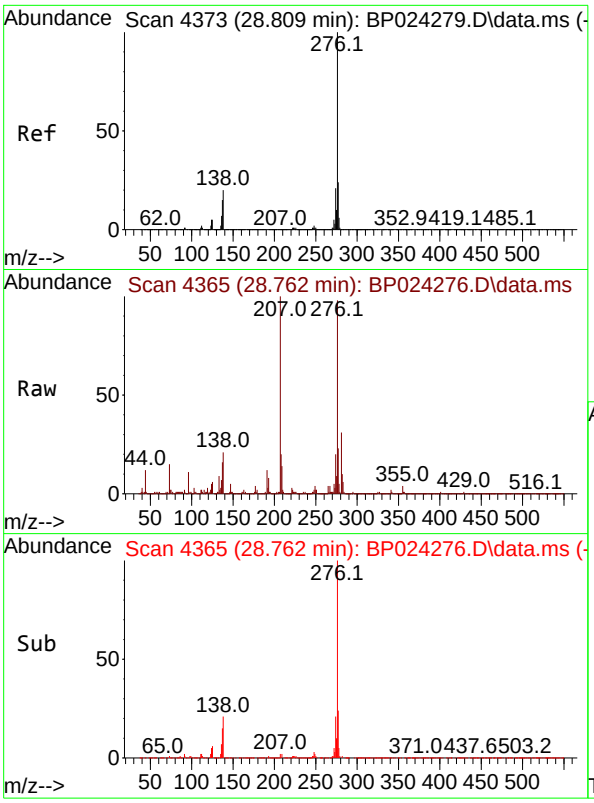


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.968 min Scan# 3720
Delta R.T. -0.018 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:264 Resp: 1519057

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.9	28.3
265	21.6	17.8	26.6



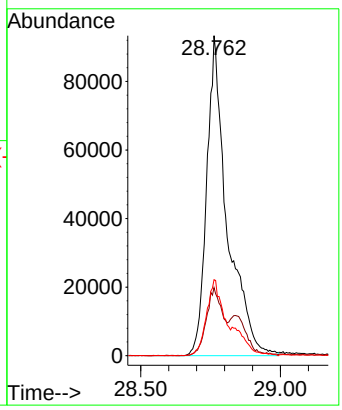


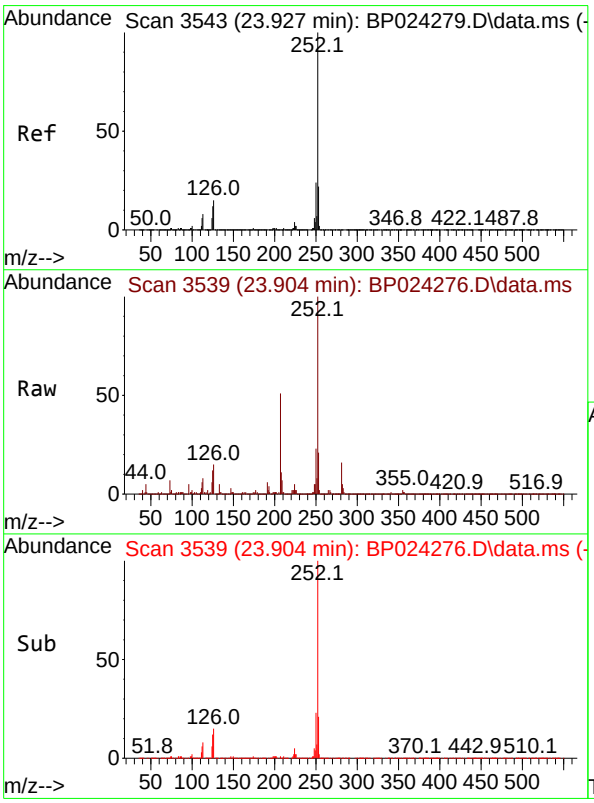
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.552 ng
RT: 28.762 min Scan# 4
Delta R.T. -0.047 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 475578

Ion	Ratio	Lower	Upper
276	100		
138	16.7	14.5	21.7
277	19.3	20.2	30.2#

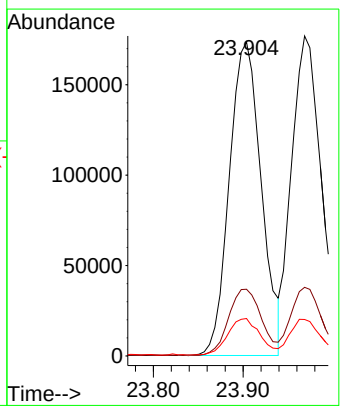


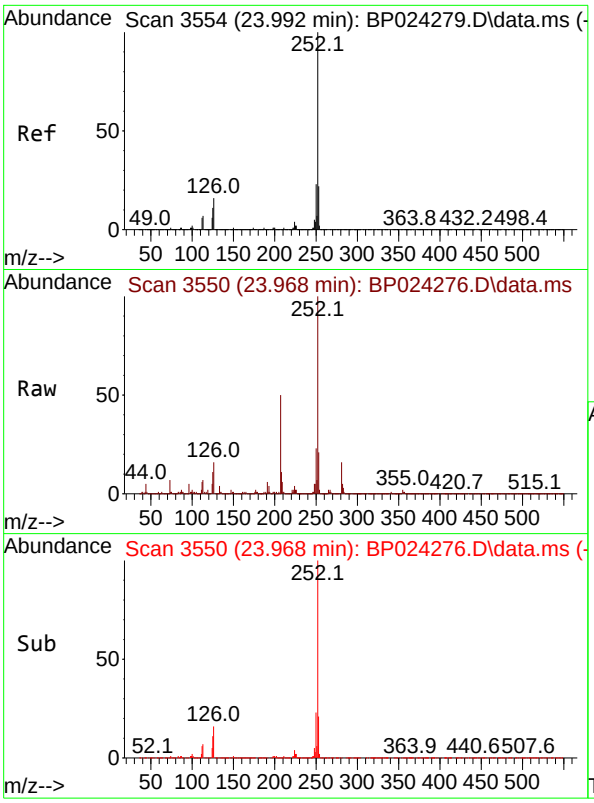


#88
Benzo(b)fluoranthene
Concen: 4.723 ng
RT: 23.904 min Scan# 3539
Delta R.T. -0.024 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:252 Resp: 429214

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.7	26.5
125	11.9	9.4	14.0



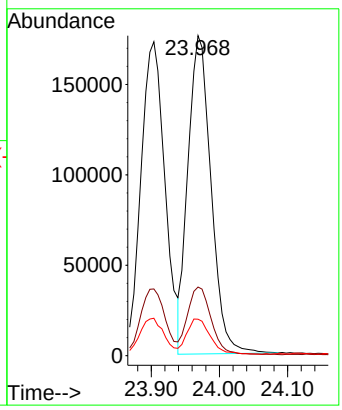


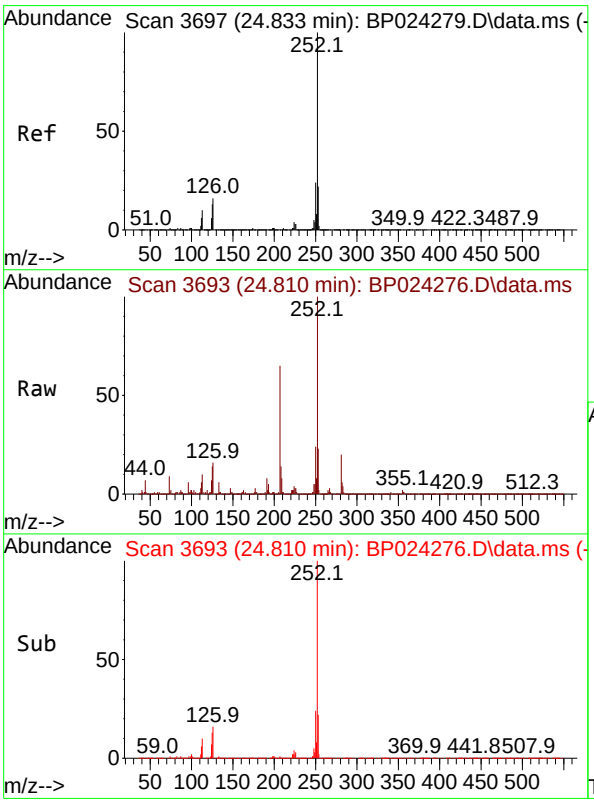
#89
Benzo(k)fluoranthene
Concen: 4.686 ng
RT: 23.968 min Scan# 3
Delta R.T. -0.024 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 413302

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.7	26.5
125	11.4	9.1	13.7

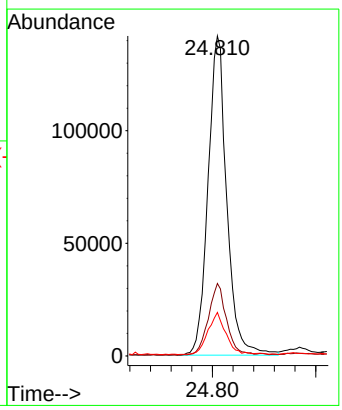


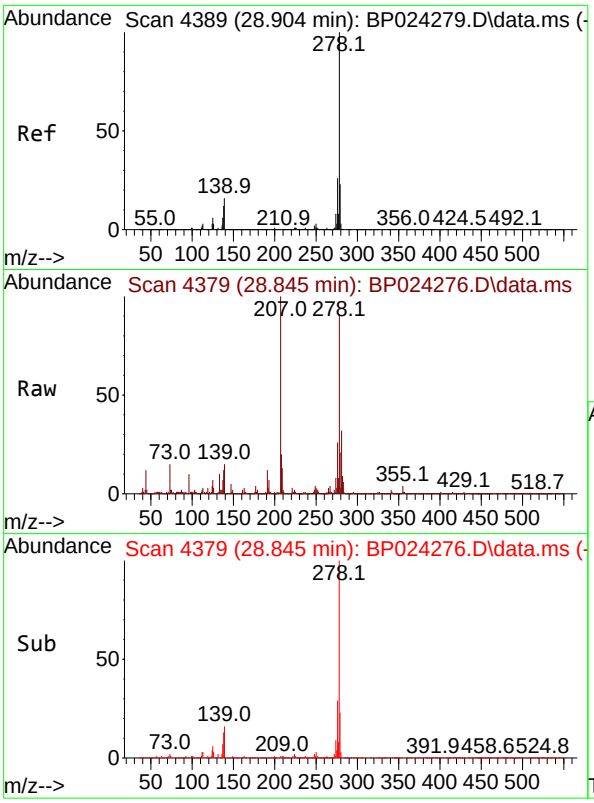


#90
Benzo(a)pyrene
Concen: 4.559 ng
RT: 24.810 min Scan# 3693
Delta R.T. -0.024 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:252 Resp: 356658

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.6	26.4
125	13.6	10.1	15.1



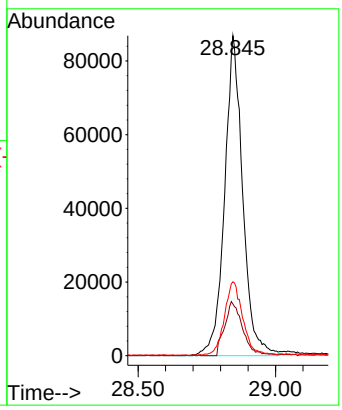


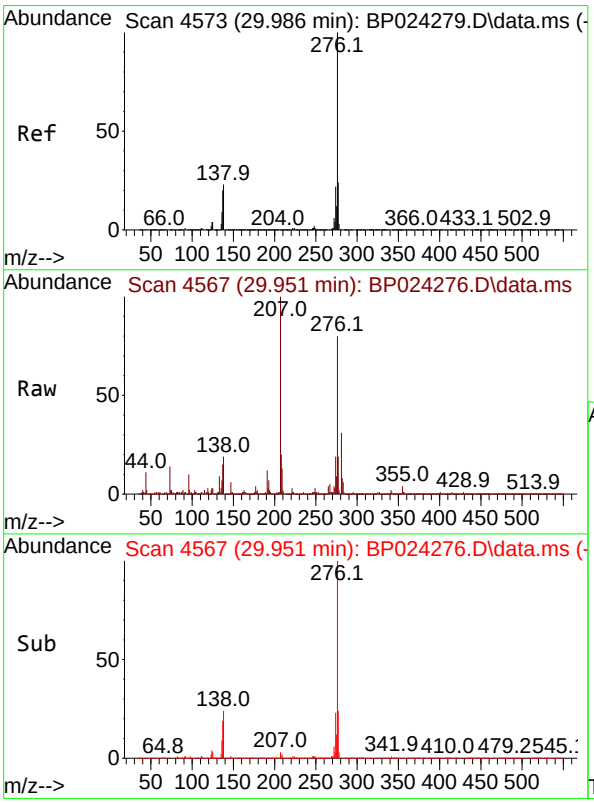
#91
Dibenzo(a,h)anthracene
Concen: 4.571 ng
RT: 28.845 min Scan# 4
Delta R.T. -0.059 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:278 Resp: 397247

Ion	Ratio	Lower	Upper
278	100		
139	16.2	12.6	19.0
279	23.1	18.5	27.7

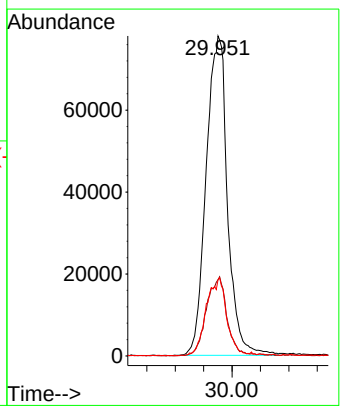




#92
Benzo(g,h,i)perylene
Concen: 4.607 ng
RT: 29.951 min Scan# 4567
Delta R.T. -0.035 min
Lab File: BP024276.D
Acq: 14 Apr 2025 11:47

Tgt Ion:276 Resp: 407522

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.9	28.3
138	23.8	18.7	28.1



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024277.D
Acq On : 14 Apr 2025 12:27
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Quant Time: Apr 14 17:26:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.734	152	237860	20.000	ng		0.00
21) Naphthalene-d8	10.510	136	1022895	20.000	ng		0.00
39) Acenaphthene-d10	14.363	164	658652	20.000	ng		0.00
64) Phenanthrene-d10	17.163	188	1310701	20.000	ng		0.00
76) Chrysene-d12	21.616	240	1408913	20.000	ng		0.00
86) Perylene-d12	24.980	264	1508235	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.352	112	272237	18.889	ng		0.00
7) Phenol-d6	6.910	99	369199	18.725	ng		0.00
23) Nitrobenzene-d5	8.881	82	345094	19.207	ng		0.00
42) 2,4,6-Tribromophenol	15.886	330	168790	18.715	ng		0.00
45) 2-Fluorobiphenyl	12.975	172	878366	20.247	ng		0.00
79) Terphenyl-d14	19.892	244	1405643	19.888	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.293	88	61433	9.984	ng		98
3) Pyridine	3.693	79	152243	9.506	ng		99
4) n-Nitrosodimethylamine	3.599	42	52702	9.868	ng	#	98
6) Aniline	7.069	93	176840	9.935	ng		99
8) 2-Chlorophenol	7.305	128	154194	9.573	ng		100
9) Benzaldehyde	6.887	77	113812	11.145	ng		98
10) Phenol	6.940	94	186113	9.401	ng		97
11) bis(2-Chloroethyl)ether	7.157	93	156684	9.794	ng		98
12) 1,3-Dichlorobenzene	7.622	146	176712	10.126	ng		97
13) 1,4-Dichlorobenzene	7.769	146	177067	10.006	ng		99
14) 1,2-Dichlorobenzene	8.081	146	171376	10.016	ng		99
15) Benzyl Alcohol	7.969	79	111176	8.797	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.252	45	177896	10.221	ng		98
17) 2-Methylphenol	8.175	107	119161	9.340	ng		98
18) Hexachloroethane	8.804	117	63912	10.007	ng		98
19) n-Nitroso-di-n-propyla...	8.528	70	119861	9.787	ng		100
20) 3+4-Methylphenols	8.499	107	162332	9.187	ng		99
22) Acetophenone	8.546	105	248823	9.787	ng		99
24) Nitrobenzene	8.922	77	170770	9.590	ng		98
25) Isophorone	9.446	82	307272	9.473	ng		99
26) 2-Nitrophenol	9.628	139	73320	8.575	ng		96
27) 2,4-Dimethylphenol	9.693	122	99186	9.152	ng		97
28) bis(2-Chloroethoxy)met...	9.922	93	217866	9.869	ng		99
29) 2,4-Dichlorophenol	10.163	162	136816	9.263	ng		99
30) 1,2,4-Trichlorobenzene	10.369	180	155965	9.760	ng		100
31) Naphthalene	10.557	128	538892	9.953	ng		99
32) Benzoic acid	9.781	122	82747	7.066	ng		98
33) 4-Chloroaniline	10.669	127	178451	9.433	ng		99
34) Hexachlorobutadiene	10.845	225	92662	9.885	ng		99
35) Caprolactam	11.440	113	47014	8.670	ng		98
36) 4-Chloro-3-methylphenol	11.798	107	158563	9.213	ng		99
37) 2-Methylnaphthalene	12.169	142	368122	9.810	ng		98
38) 1-Methylnaphthalene	12.387	142	365139	9.933	ng		100
40) 1,2,4,5-Tetrachloroben...	12.540	216	177188	9.789	ng		100
41) Hexachlorocyclopentadiene	12.516	237	60914	9.586	ng		96
43) 2,4,6-Trichlorophenol	12.781	196	110203	9.253	ng		99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024277.D
Acq On : 14 Apr 2025 12:27
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Quant Time: Apr 14 17:26:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.857	196	122104	9.251	ng		98
46) 1,1'-Biphenyl	13.187	154	490325	10.080	ng		100
47) 2-Chloronaphthalene	13.228	162	362419	9.985	ng		98
48) 2-Nitroaniline	13.434	65	88889	8.866	ng		95
49) Acenaphthylene	14.081	152	553215	9.711	ng		100
50) Dimethylphthalate	13.816	163	466314	9.704	ng		99
51) 2,6-Dinitrotoluene	13.934	165	95596	9.442	ng		96
52) Acenaphthene	14.428	154	357828	9.877	ng		99
53) 3-Nitroaniline	14.269	138	95237	9.067	ng		97
54) 2,4-Dinitrophenol	14.481	184	41132	7.588	ng		97
55) Dibenzofuran	14.769	168	594953	10.013	ng		99
56) 4-Nitrophenol	14.598	139	75995	8.416	ng		95
57) 2,4-Dinitrotoluene	14.734	165	121276	8.862	ng	#	95
58) Fluorene	15.428	166	459952	10.026	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.004	232	115645	9.470	ng		100
60) Diethylphthalate	15.198	149	488847	9.884	ng		100
61) 4-Chlorophenyl-phenyle...	15.428	204	222437	9.985	ng		97
62) 4-Nitroaniline	15.451	138	98638	8.857	ng		93
63) Azobenzene	15.722	77	455459	9.999	ng		96
65) 4,6-Dinitro-2-methylph...	15.516	198	62421	8.151	ng		96
66) n-Nitrosodiphenylamine	15.639	169	383558	9.759	ng		99
67) 4-Bromophenyl-phenylether	16.339	248	138724	9.703	ng		97
68) Hexachlorobenzene	16.457	284	161944	9.528	ng		98
69) Atrazine	16.628	200	109503	10.990	ng		98
70) Pentachlorophenol	16.810	266	101318	8.682	ng		96
71) Phenanthrene	17.210	178	711407	9.900	ng		99
72) Anthracene	17.304	178	666269	9.635	ng		100
73) Carbazole	17.586	167	654205	9.721	ng		99
74) Di-n-butylphthalate	18.180	149	806280	9.616	ng		99
75) Fluoranthene	19.292	202	835153	9.791	ng		98
77) Benzidine	19.498	184	99659	5.730	ng		99
78) Pyrene	19.669	202	870767	9.659	ng		99
80) Butylbenzylphthalate	20.627	149	343670	9.043	ng		99
81) Benzo(a)anthracene	21.598	228	854983	9.734	ng		98
82) 3,3'-Dichlorobenzidine	21.521	252	269772	8.857	ng		98
83) Chrysene	21.668	228	832263	9.887	ng		100
84) Bis(2-ethylhexyl)phtha...	21.539	149	517894	9.253	ng		99
85) Di-n-octyl phthalate	22.827	149	769654	8.584	ng		99
87) Indeno(1,2,3-cd)pyrene	28.792	276	983323	9.480	ng		99
88) Benzo(b)fluoranthene	23.915	252	885212	9.810	ng		99
89) Benzo(k)fluoranthene	23.986	252	852606	9.735	ng		99
90) Benzo(a)pyrene	24.815	252	732209	9.426	ng		99
91) Dibenzo(a,h)anthracene	28.862	278	821160	9.517	ng		99
92) Benzo(g,h,i)perylene	29.962	276	836993	9.530	ng		99

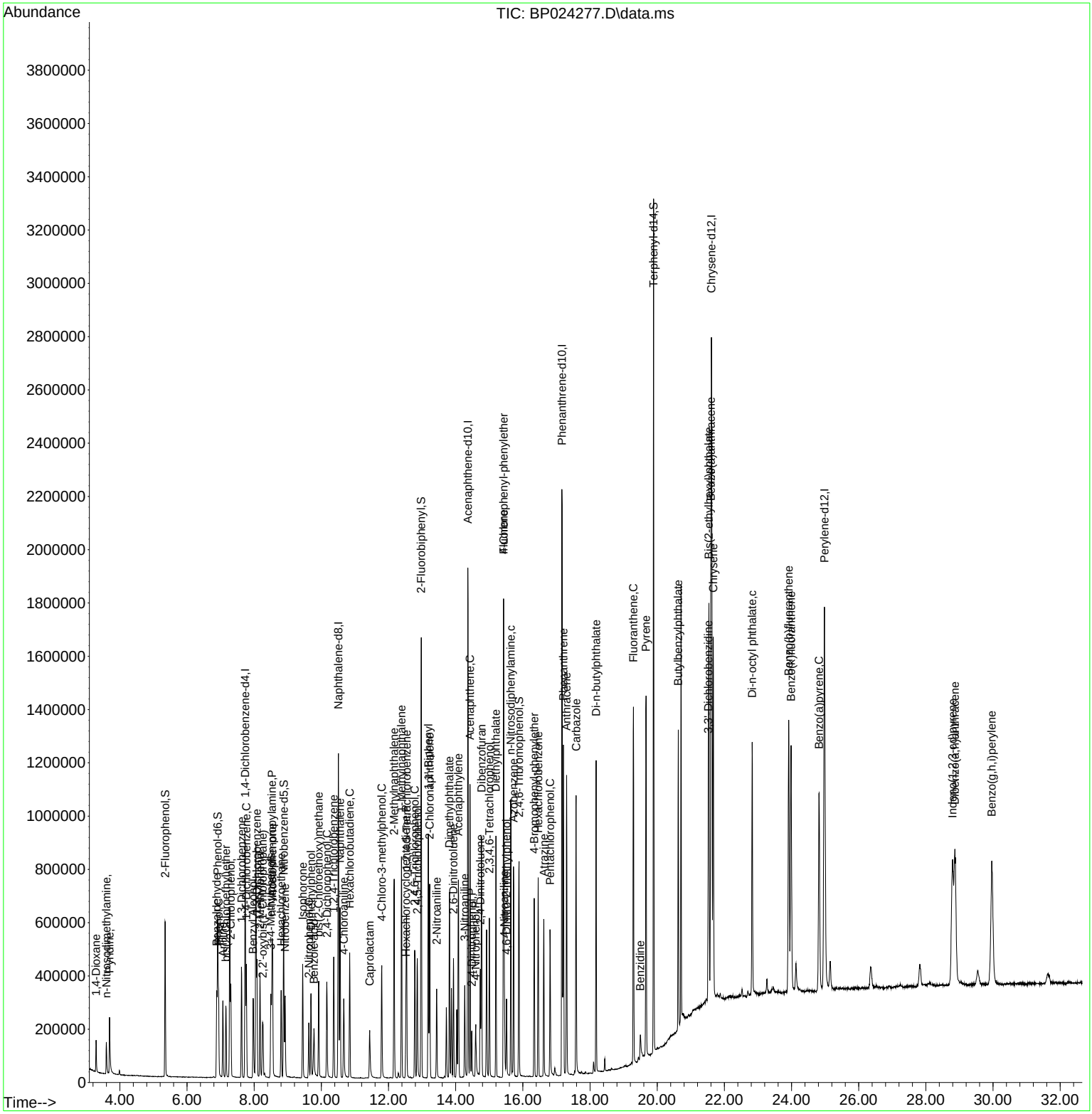
(#) = qualifier out of range (m) = manual integration (+) = signals summed

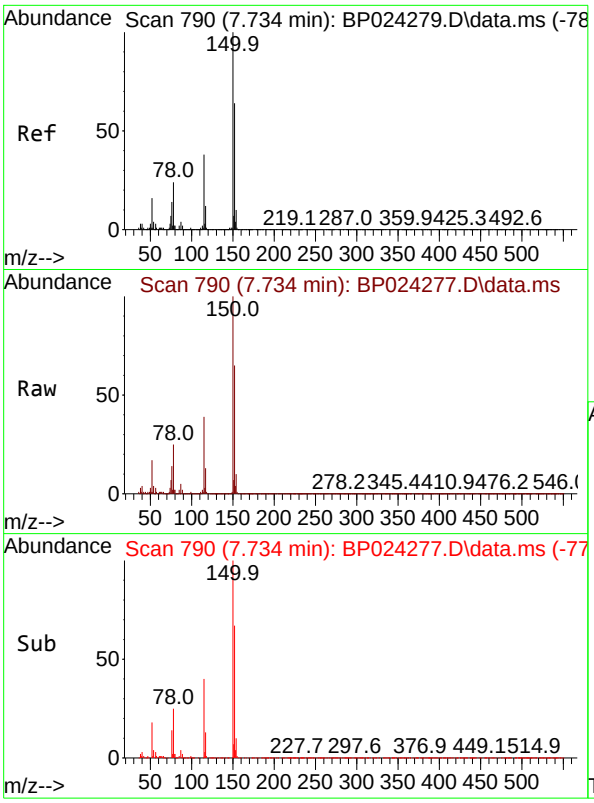
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024277.D
Acq On : 14 Apr 2025 12:27
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Quant Time: Apr 14 17:26:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration



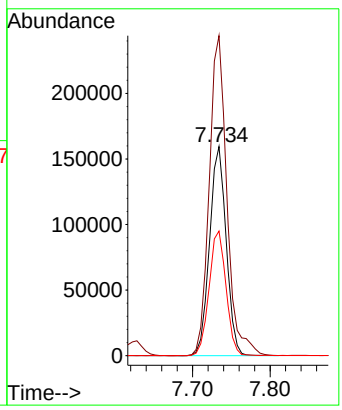


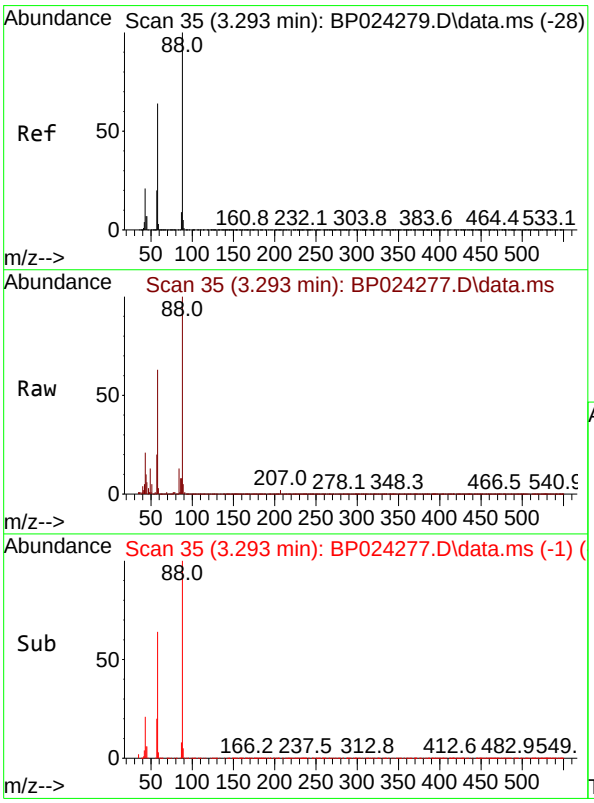
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.734 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 237860

Ion	Ratio	Lower	Upper
152	100		
150	153.1	124.9	187.3
115	59.6	47.7	71.5

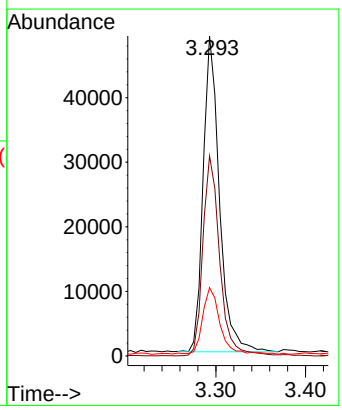


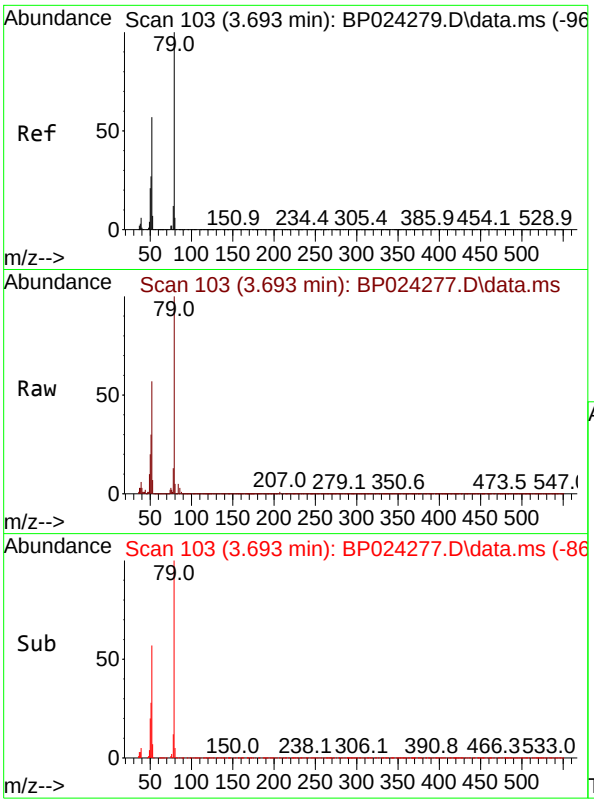


#2
1,4-Dioxane
Concen: 9.984 ng
RT: 3.293 min Scan# 35
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion: 88 Resp: 61433

Ion	Ratio	Lower	Upper
88	100		
58	65.6	51.4	77.2
43	22.9	17.1	25.7



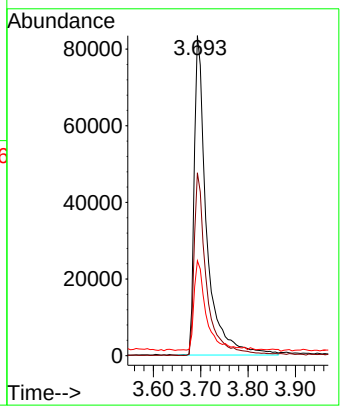


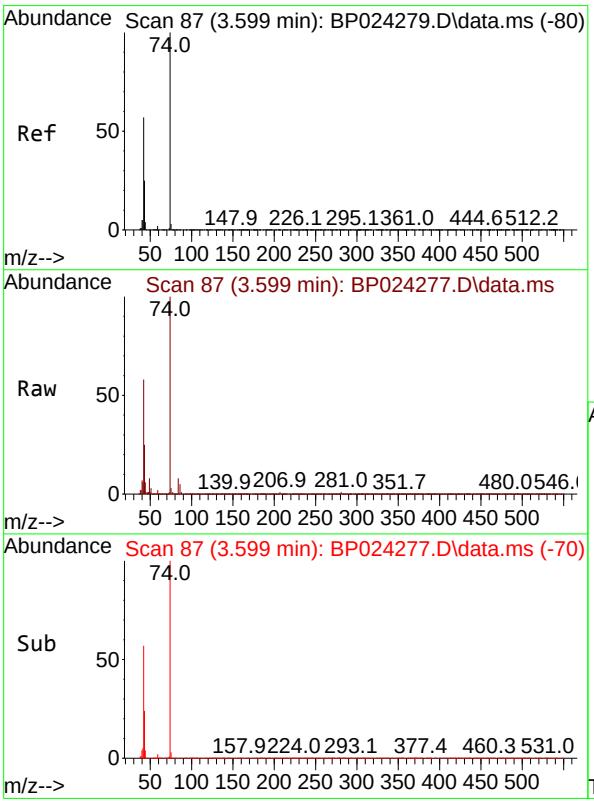
#3
Pyridine
Concen: 9.506 ng
RT: 3.693 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 152243

Ion	Ratio	Lower	Upper
79	100		
52	57.2	45.4	68.2
51	29.7	22.6	33.8

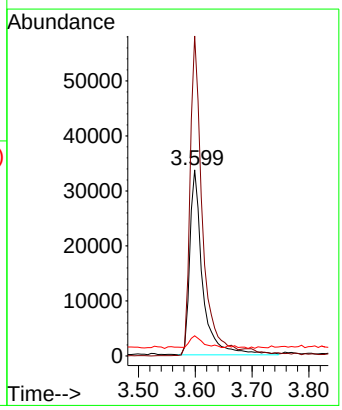


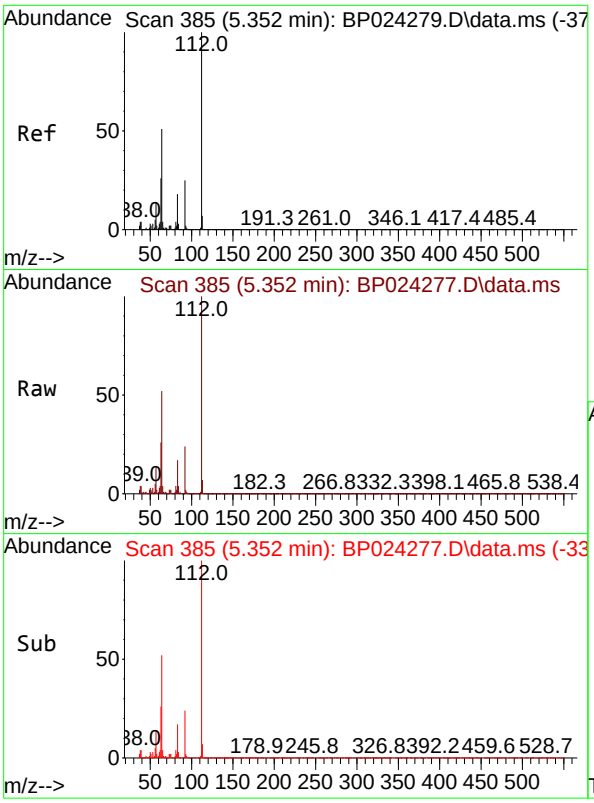


#4
n-Nitrosodimethylamine
Concen: 9.868 ng
RT: 3.599 min Scan# 87
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion: 42 Resp: 52702

Ion	Ratio	Lower	Upper
42	100		
74	172.0	139.5	209.3
44	10.8	5.8	8.8#



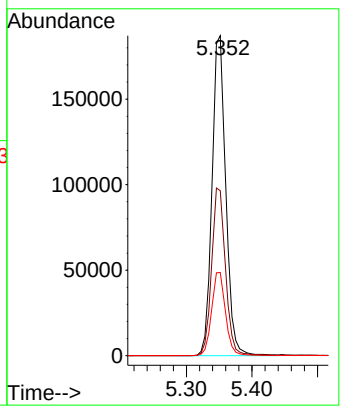


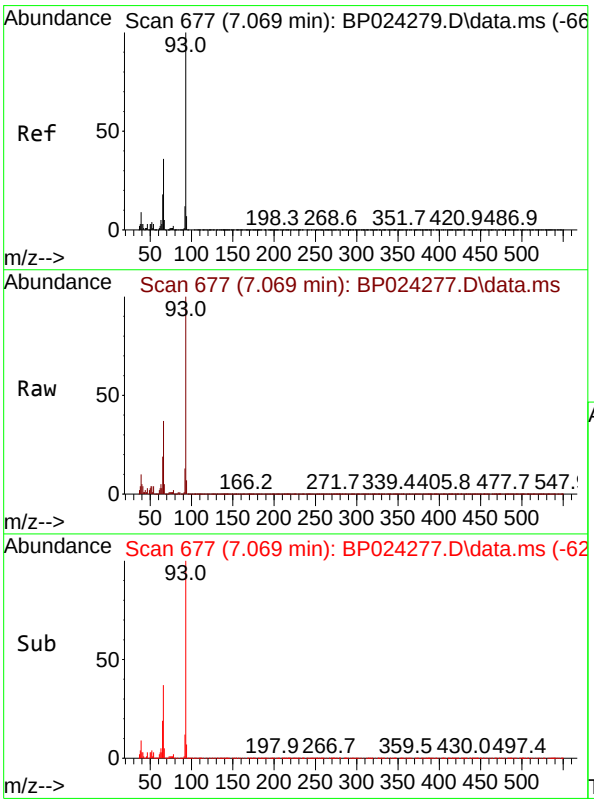
#5
2-Fluorophenol
Concen: 18.889 ng
RT: 5.352 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:112 Resp: 272237

Ion	Ratio	Lower	Upper
112	100		
64	51.6	41.1	61.7
63	26.0	20.6	30.8

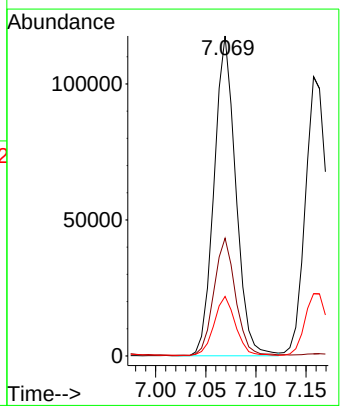


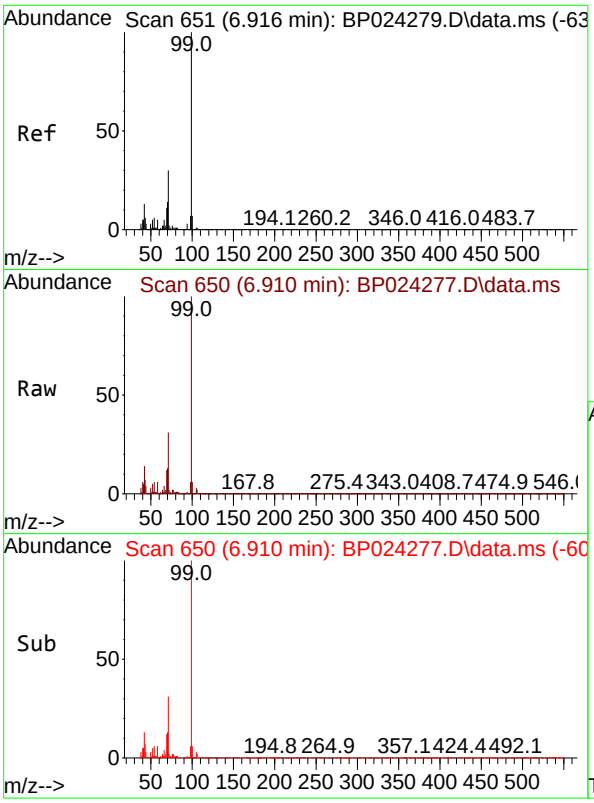


#6
Aniline
Concen: 9.935 ng
RT: 7.069 min Scan# 677
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion: 93 Resp: 176840

Ion	Ratio	Lower	Upper
93	100		
66	36.8	29.1	43.7
65	18.6	14.7	22.1



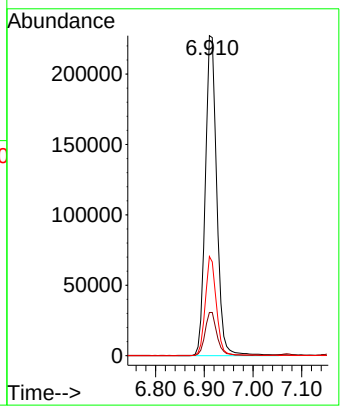


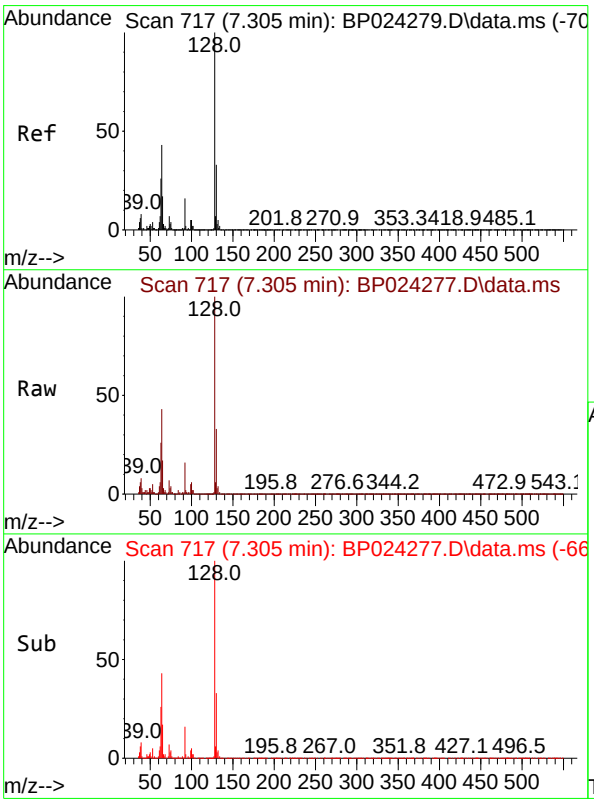
#7
Phenol-d6
Concen: 18.725 ng
RT: 6.910 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 369199

Ion	Ratio	Lower	Upper
99	100		
42	13.5	10.6	16.0
71	31.0	23.7	35.5

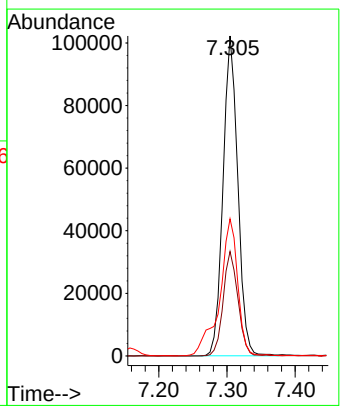


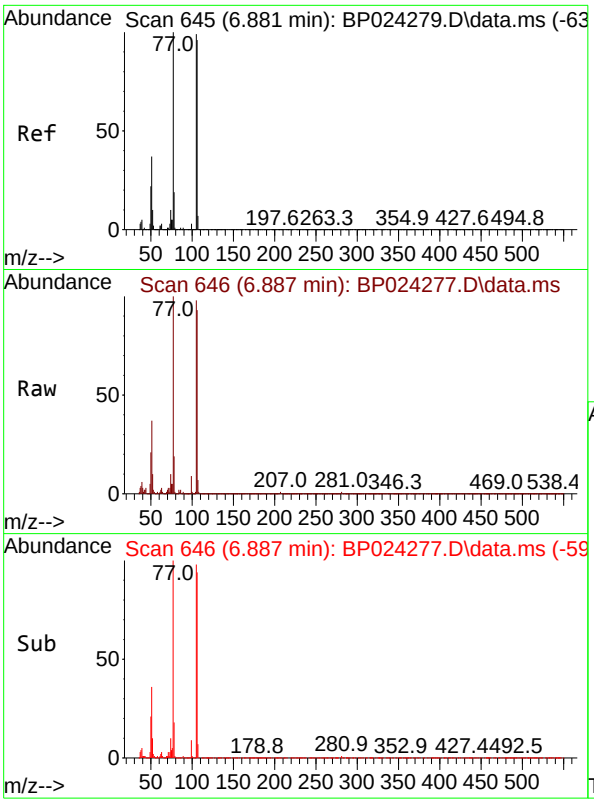


#8
2-Chlorophenol
Concen: 9.573 ng
RT: 7.305 min Scan# 717
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:128 Resp: 154194

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.9	52.9
64	42.8	22.7	62.7



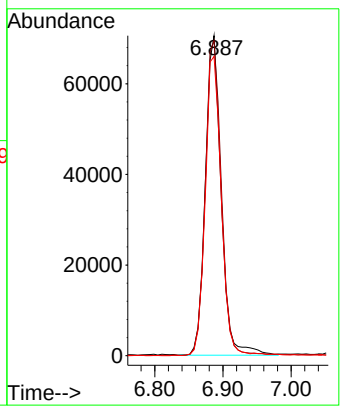


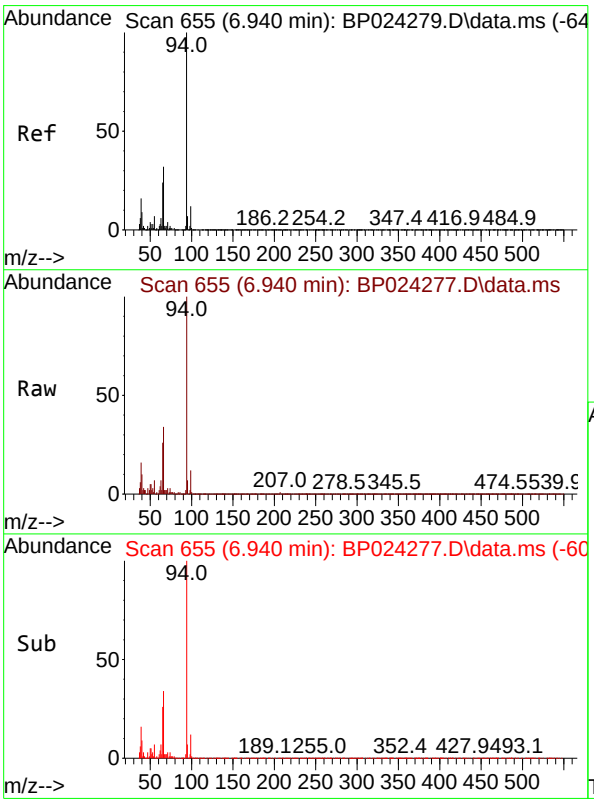
#9
Benzaldehyde
Concen: 11.145 ng
RT: 6.887 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 113812

Ion	Ratio	Lower	Upper
77	100		
105	98.4	79.2	119.2
106	93.5	76.2	116.2

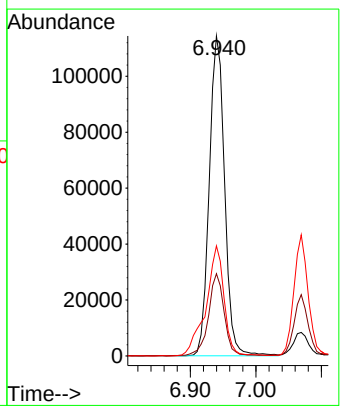


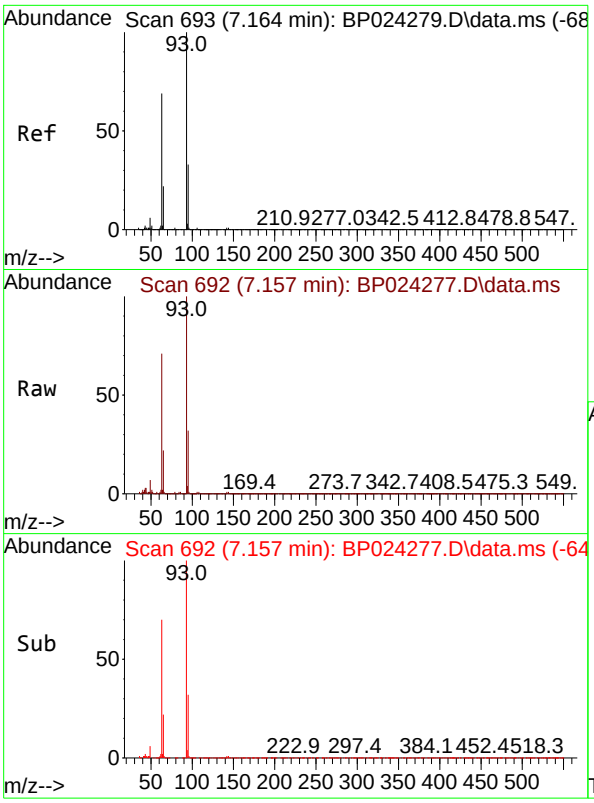


#10
Phenol
Concen: 9.401 ng
RT: 6.940 min Scan# 655
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion: 94 Resp: 186113

Ion	Ratio	Lower	Upper
94	100		
65	25.7	4.5	44.5
66	34.4	12.4	52.4



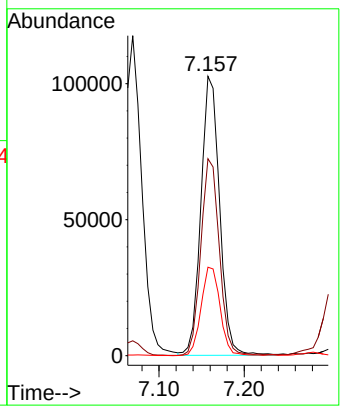


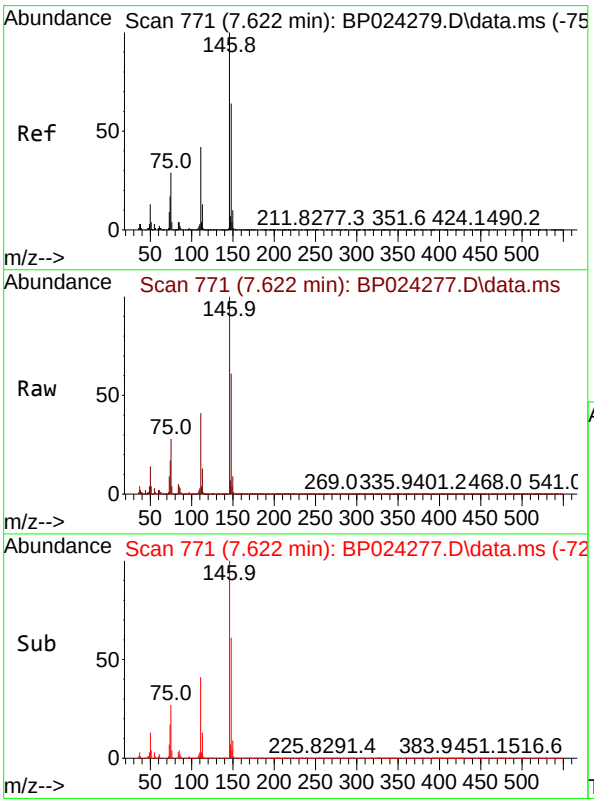
#11
bis(2-Chloroethyl)ether
Concen: 9.794 ng
RT: 7.157 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 156684

Ion	Ratio	Lower	Upper
93	100		
63	70.5	48.6	88.6
95	31.6	12.3	52.3

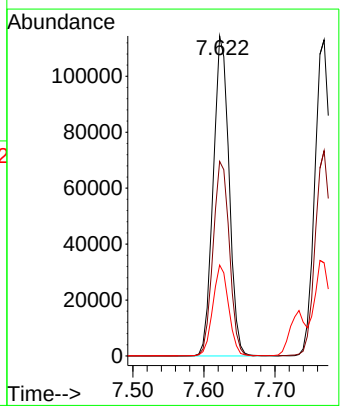


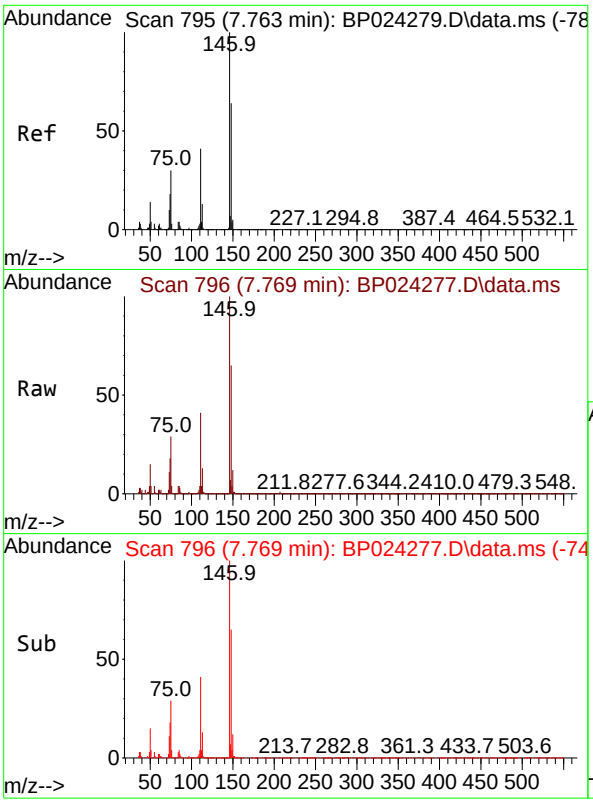


#12
1,3-Dichlorobenzene
Concen: 10.126 ng
RT: 7.622 min Scan# 771
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:146 Resp: 176712

Ion	Ratio	Lower	Upper
146	100		
148	60.8	51.4	77.0
75	28.4	22.9	34.3



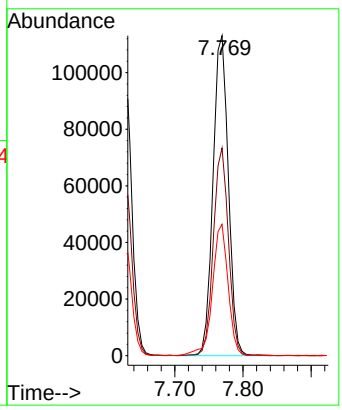


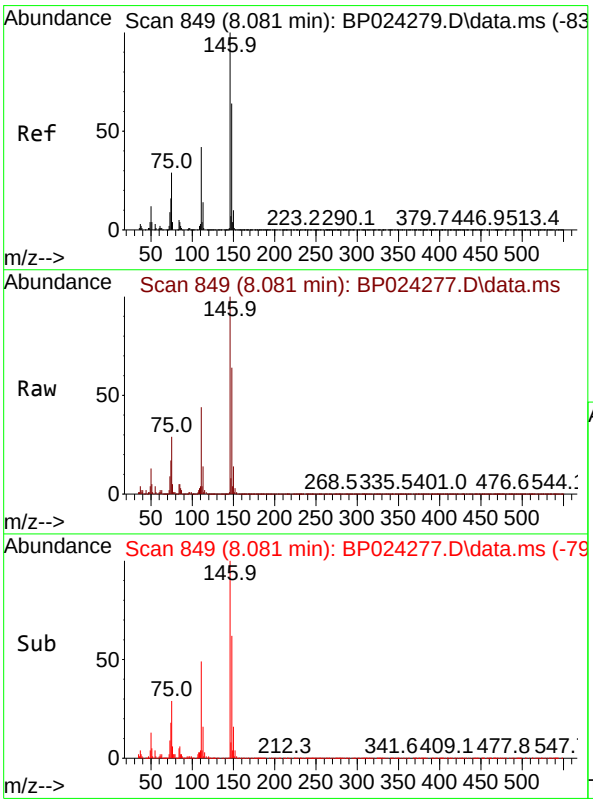
#13
1,4-Dichlorobenzene
Concen: 10.006 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:146 Resp: 177067

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.1	76.7
111	41.1	32.6	48.8

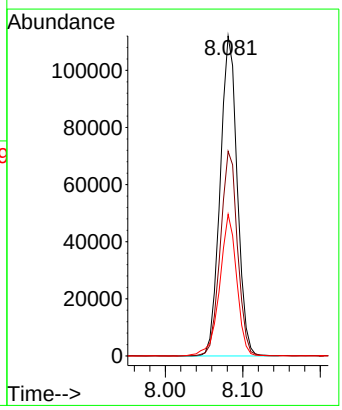


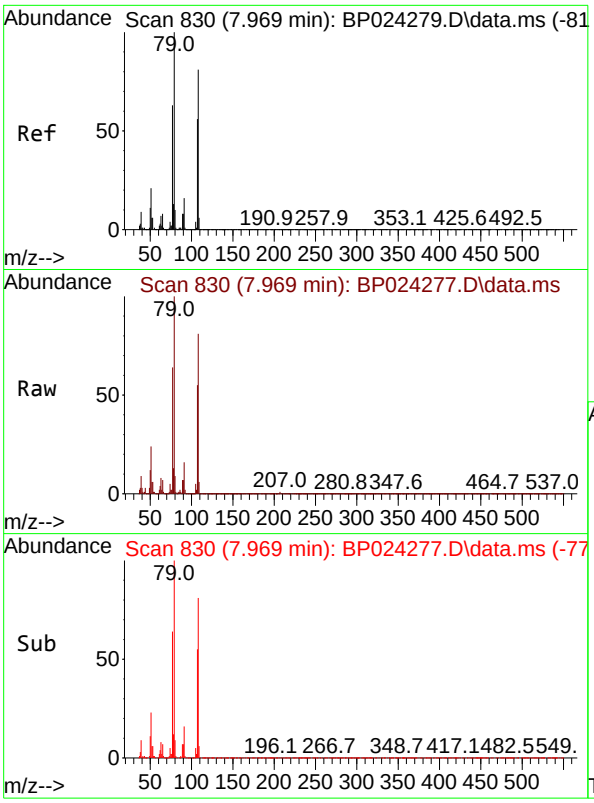


#14
1,2-Dichlorobenzene
Concen: 10.016 ng
RT: 8.081 min Scan# 849
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:146 Resp: 171376

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.0	76.4
111	44.3	33.8	50.8



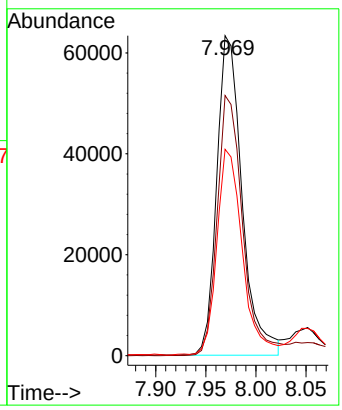


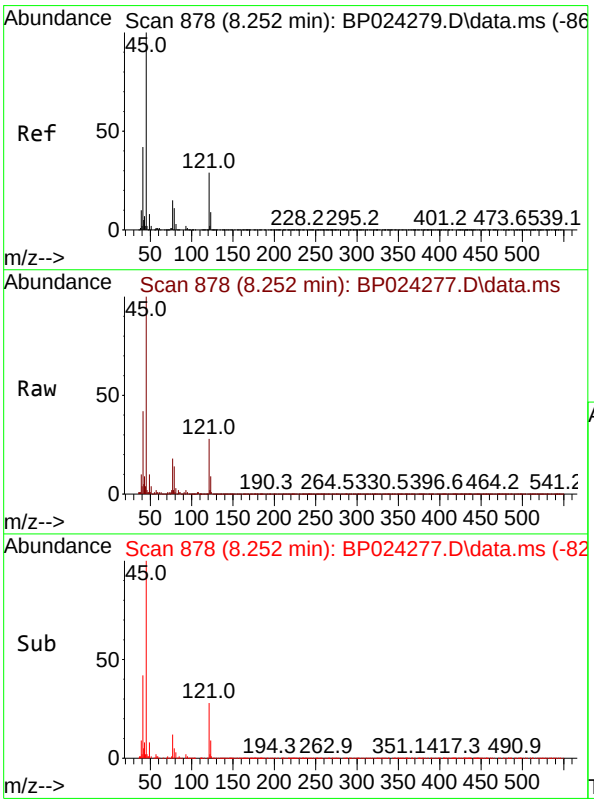
#15
Benzyl Alcohol
Concen: 8.797 ng
RT: 7.969 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 111176

Ion	Ratio	Lower	Upper
79	100		
108	81.3	65.1	97.7
77	64.5	50.7	76.1

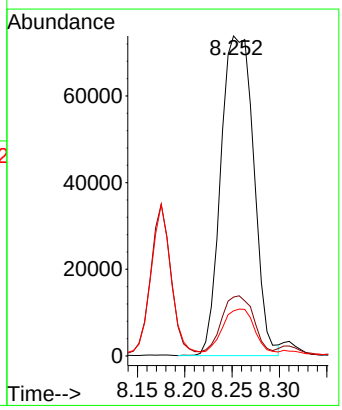


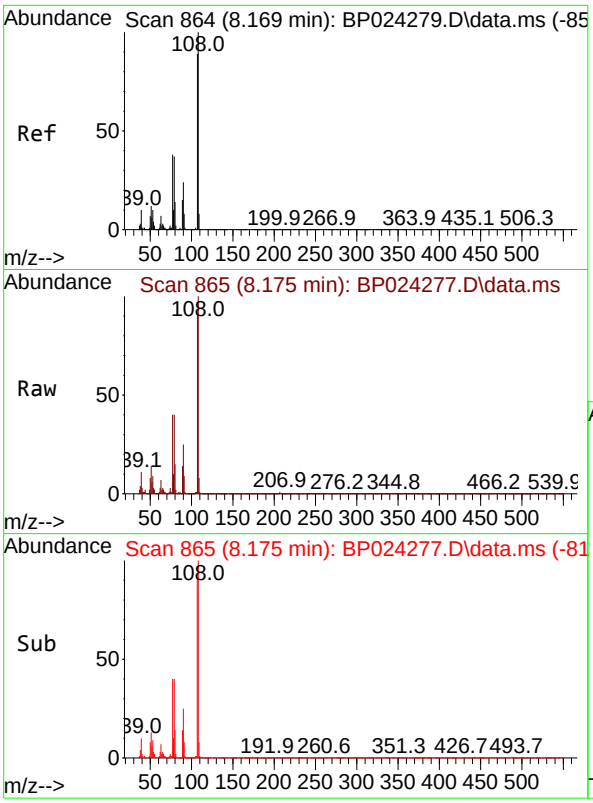


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.221 ng
RT: 8.252 min Scan# 878
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion: 45 Resp: 177896

Ion	Ratio	Lower	Upper
45	100		
77	18.4	0.0	37.7
79	14.1	0.0	33.5



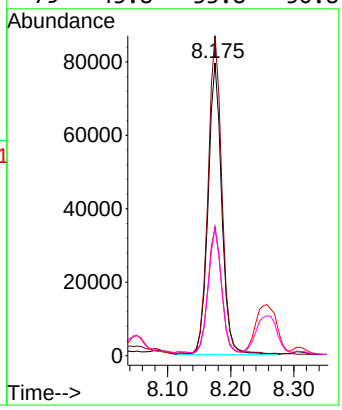


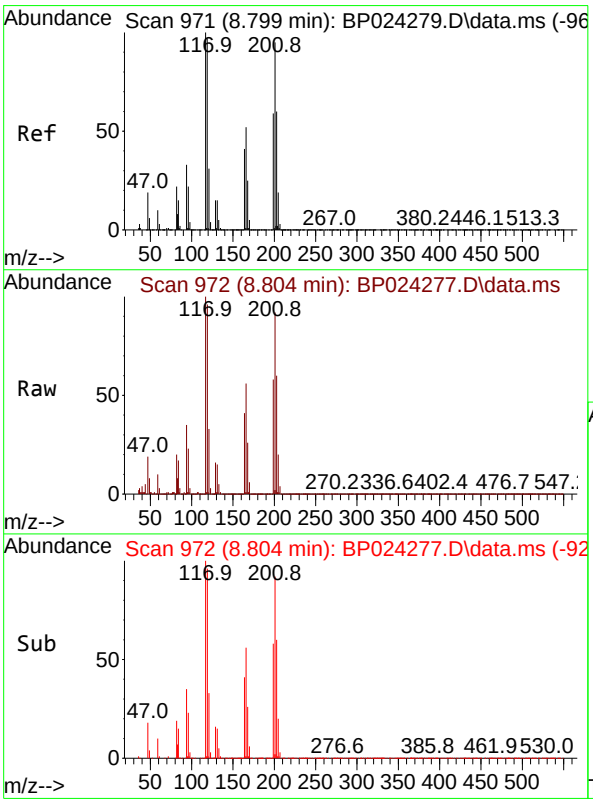
#17
2-Methylphenol
Concen: 9.340 ng
RT: 8.175 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:107 Resp: 119161

Ion	Ratio	Lower	Upper
107	100		
108	109.3	89.8	134.6
77	43.9	34.2	51.4
79	43.8	33.8	50.8

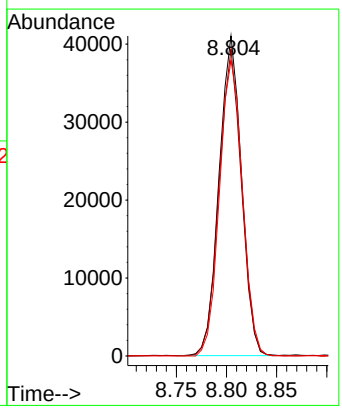


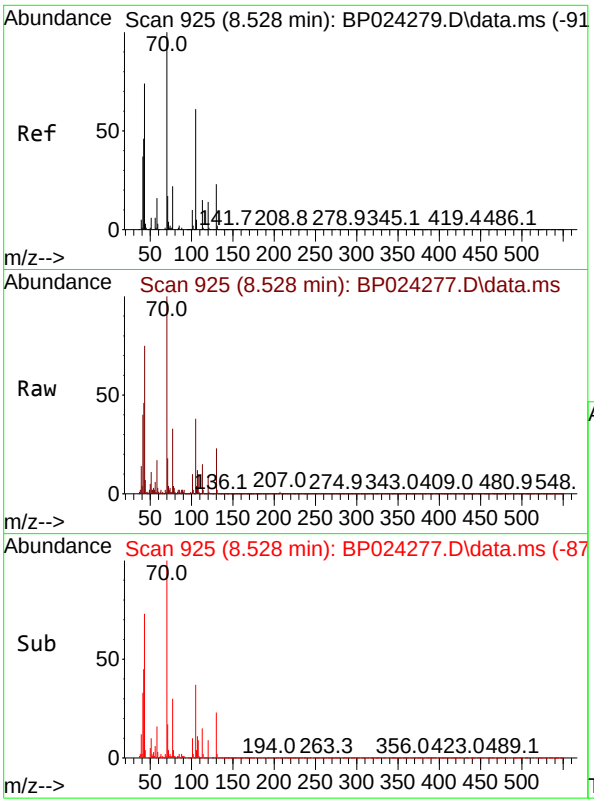


#18
Hexachloroethane
Concen: 10.007 ng
RT: 8.804 min Scan# 972
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:117 Resp: 63912

Ion	Ratio	Lower	Upper
117	100		
119	95.8	77.8	116.6
201	92.4	75.9	113.9



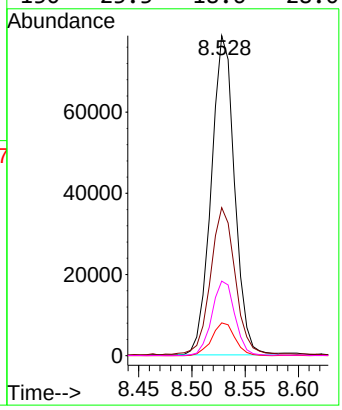


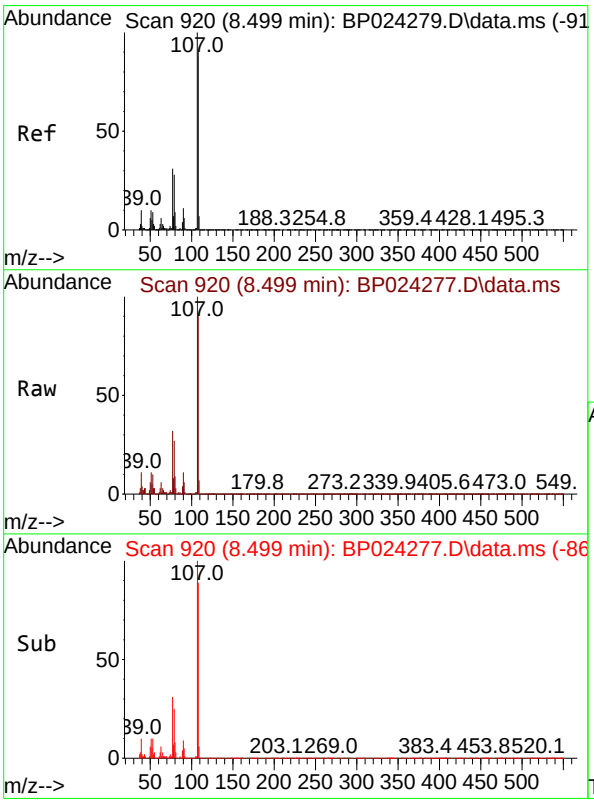
#19
n-Nitroso-di-n-propylamine
Concen: 9.787 ng
RT: 8.528 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 70 Resp: 119861

Ion	Ratio	Lower	Upper
70	100		
42	46.2	37.3	55.9
101	10.3	8.2	12.4
130	23.3	18.6	28.0

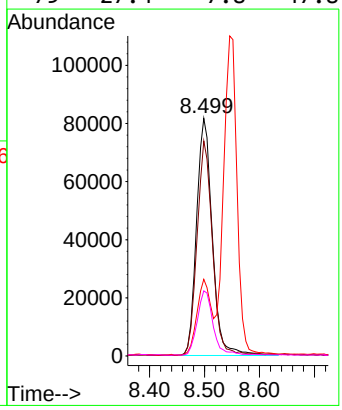


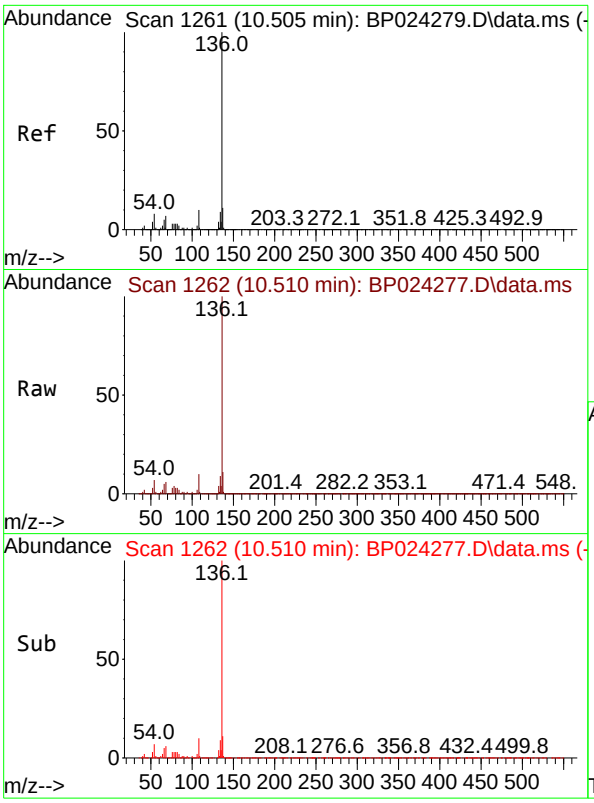


#20
3+4-Methylphenols
Concen: 9.187 ng
RT: 8.499 min Scan# 920
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:107 Resp: 162332

Ion	Ratio	Lower	Upper
107	100		
108	90.5	69.8	109.8
77	32.3	11.5	51.5
79	27.4	7.8	47.8



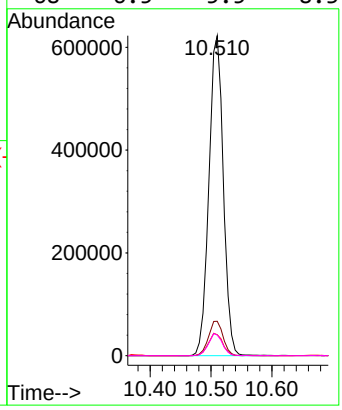


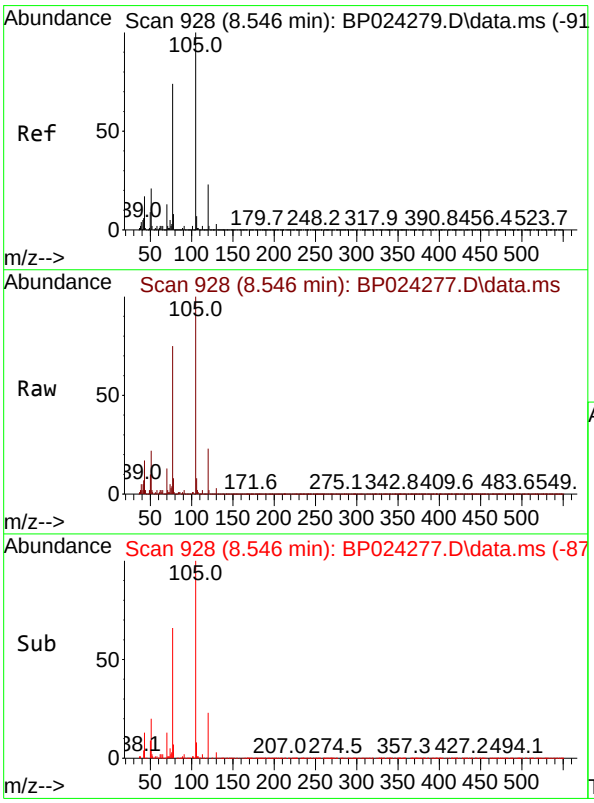
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.510 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:136 Resp: 1022895

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	6.6	6.0	9.0
68	6.5	5.5	8.3

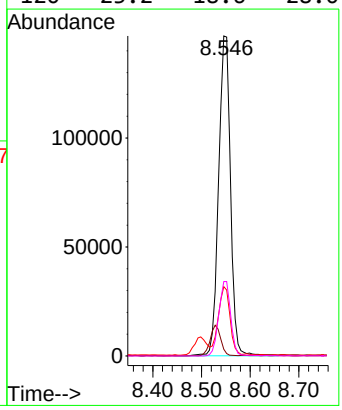


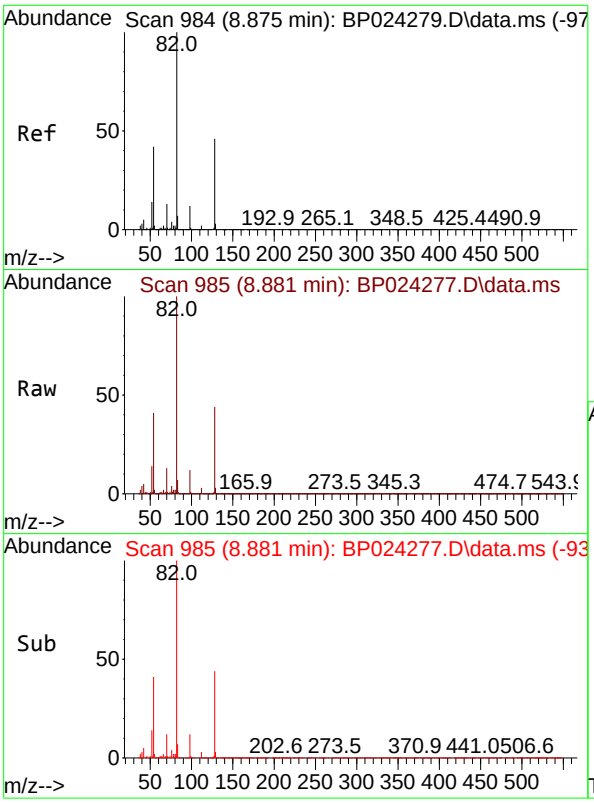


#22
Acetophenone
Concen: 9.787 ng
RT: 8.546 min Scan# 928
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:105 Resp: 248823

Ion	Ratio	Lower	Upper
105	100		
71	2.1	1.7	2.5
51	21.7	16.9	25.3
120	23.2	18.6	28.0



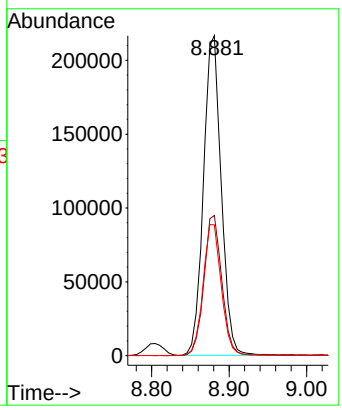


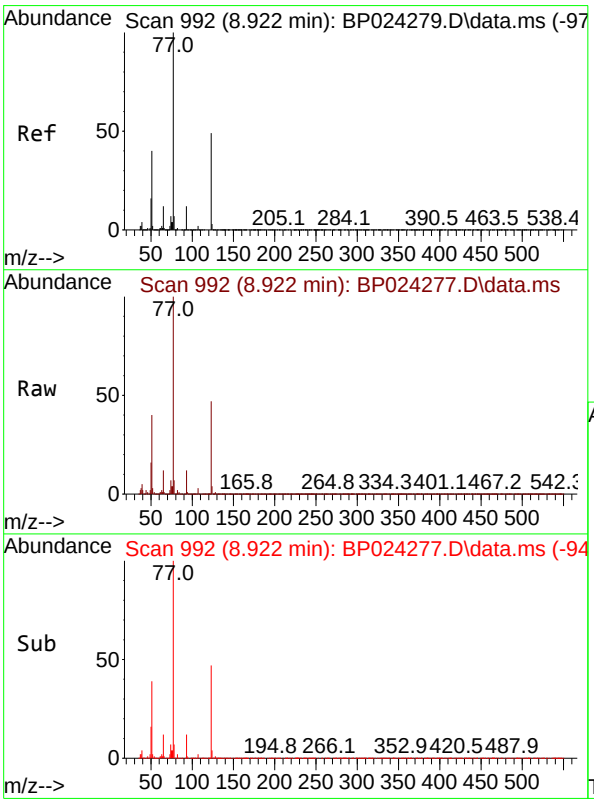
#23
Nitrobenzene-d5
Concen: 19.207 ng
RT: 8.881 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 345094

Ion	Ratio	Lower	Upper
82	100		
128	43.8	36.5	54.7
54	40.9	33.4	50.2

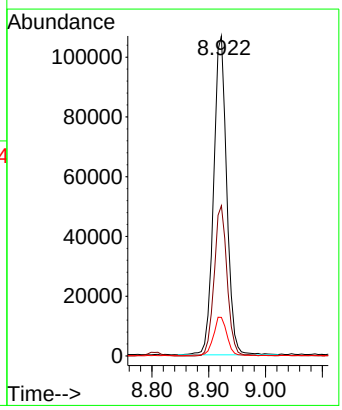


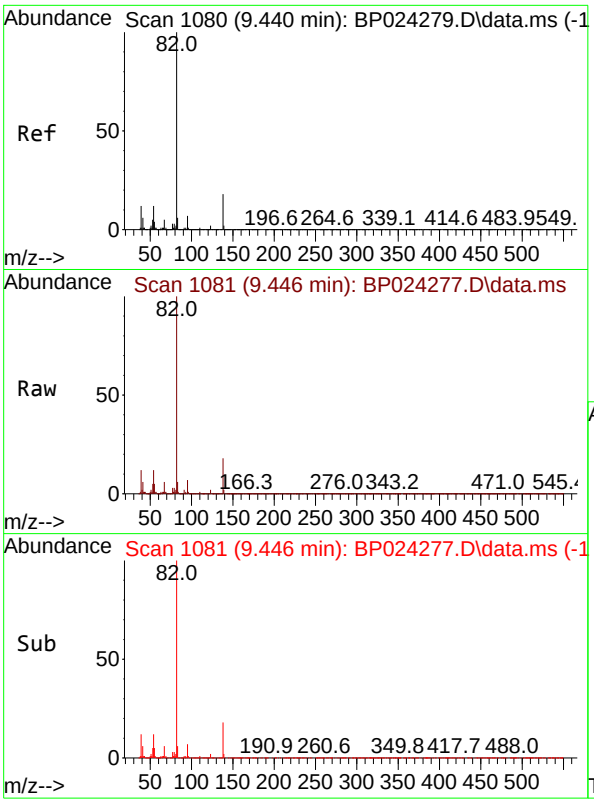


#24
Nitrobenzene
Concen: 9.590 ng
RT: 8.922 min Scan# 992
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion: 77 Resp: 170770

Ion	Ratio	Lower	Upper
77	100		
123	47.0	39.2	58.8
65	12.1	9.8	14.6



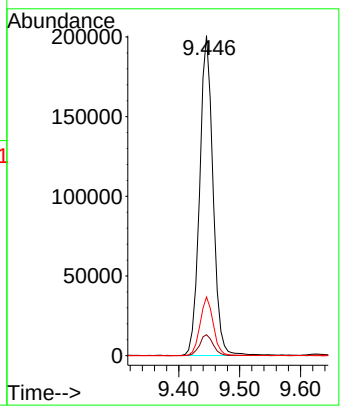


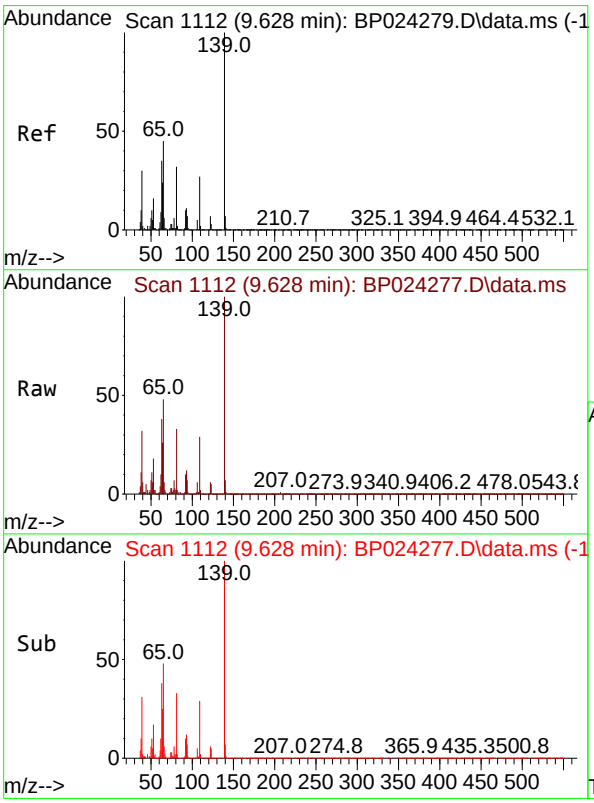
#25
Isophorone
Concen: 9.473 ng
RT: 9.446 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 307272

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.4	8.2
138	18.3	14.4	21.6

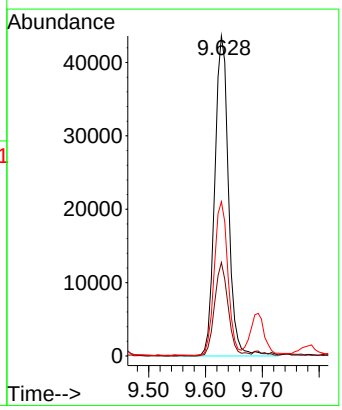


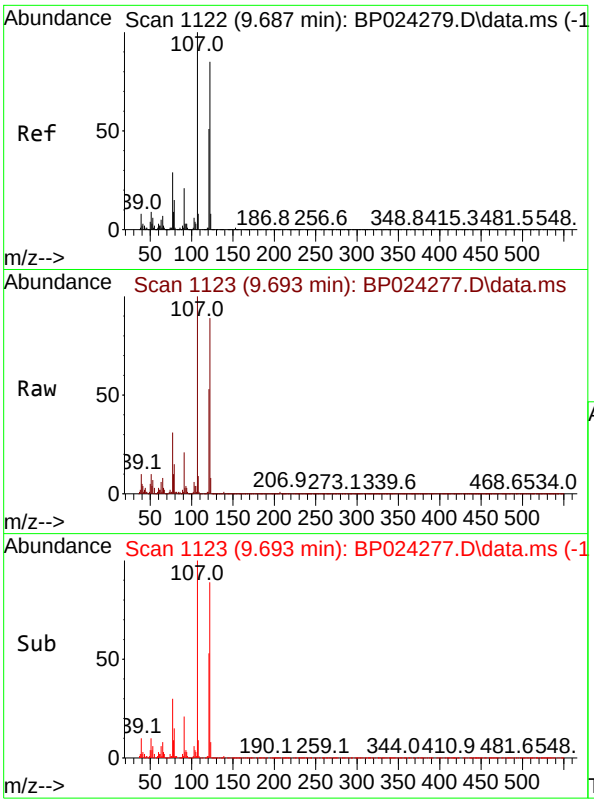


#26
2-Nitrophenol
Concen: 8.575 ng
RT: 9.628 min Scan# 1112
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:139 Resp: 73320

Ion	Ratio	Lower	Upper
139	100		
109	29.2	21.8	32.6
65	48.2	36.2	54.2



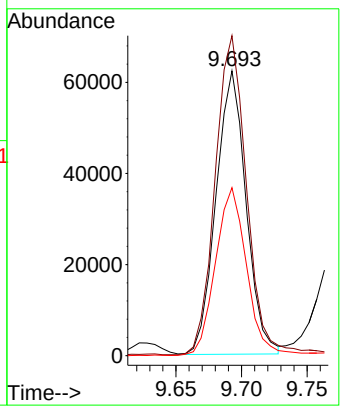


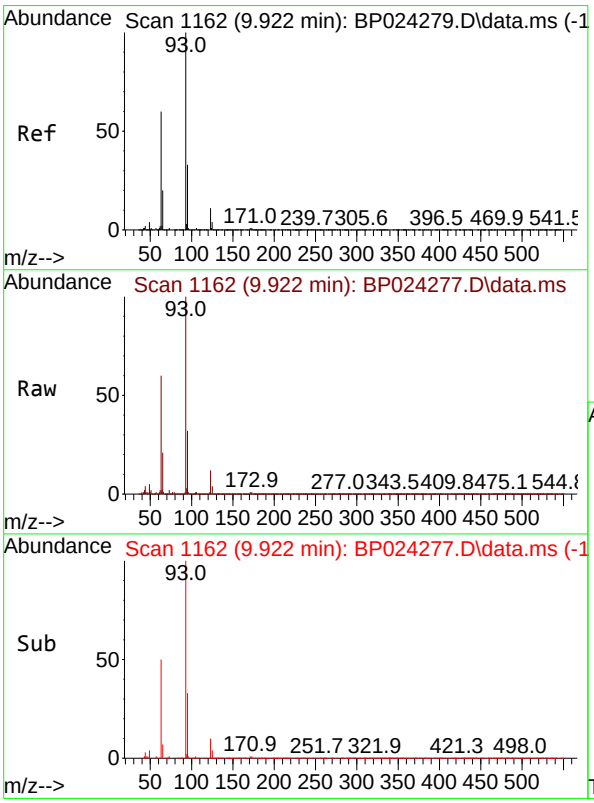
#27
2,4-Dimethylphenol
Concen: 9.152 ng
RT: 9.693 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:122 Resp: 99186

Ion	Ratio	Lower	Upper
122	100		
107	112.4	93.7	140.5
121	59.0	48.2	72.2

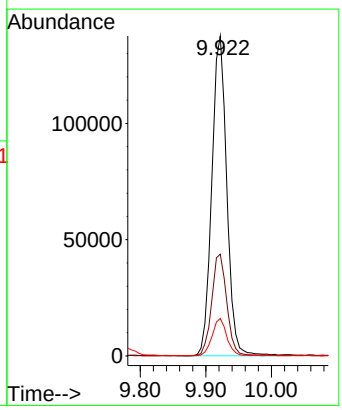


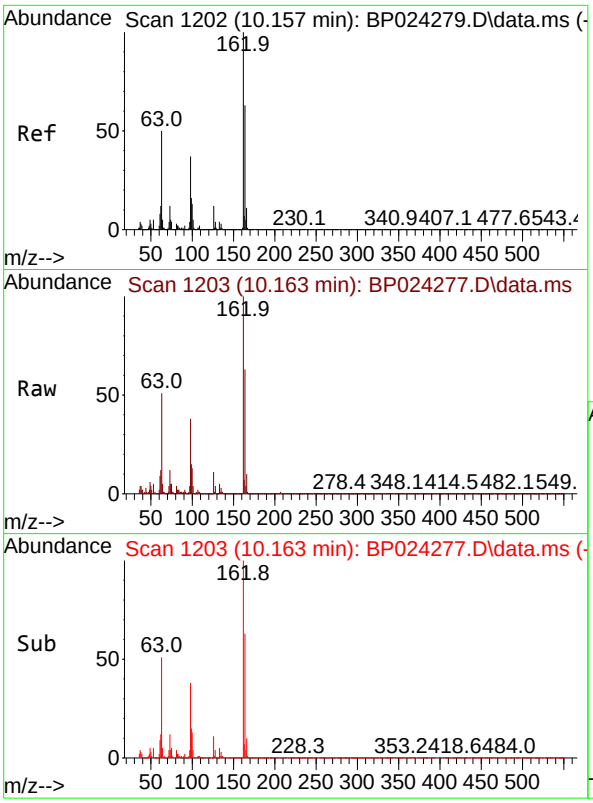


#28
bis(2-Chloroethoxy)methane
Concen: 9.869 ng
RT: 9.922 min Scan# 1162
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion: 93 Resp: 217866

Ion	Ratio	Lower	Upper
93	100		
95	31.8	26.0	39.0
123	11.7	9.1	13.7



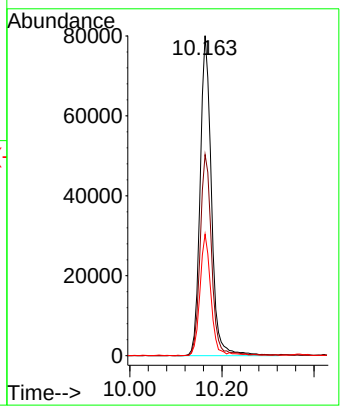


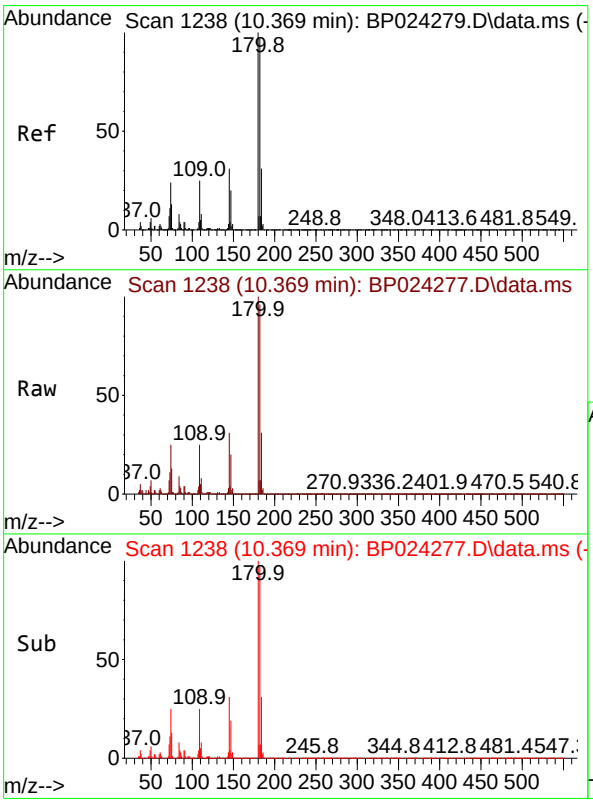
#29
2,4-Dichlorophenol
Concen: 9.263 ng
RT: 10.163 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 136816

Ion	Ratio	Lower	Upper
162	100		
164	62.8	43.3	83.3
98	37.9	16.6	56.6

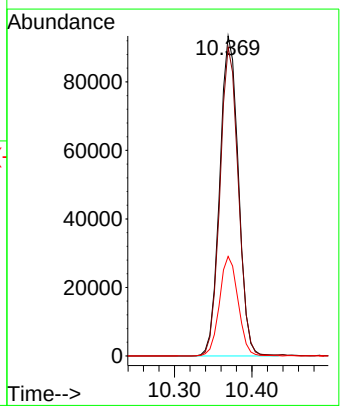


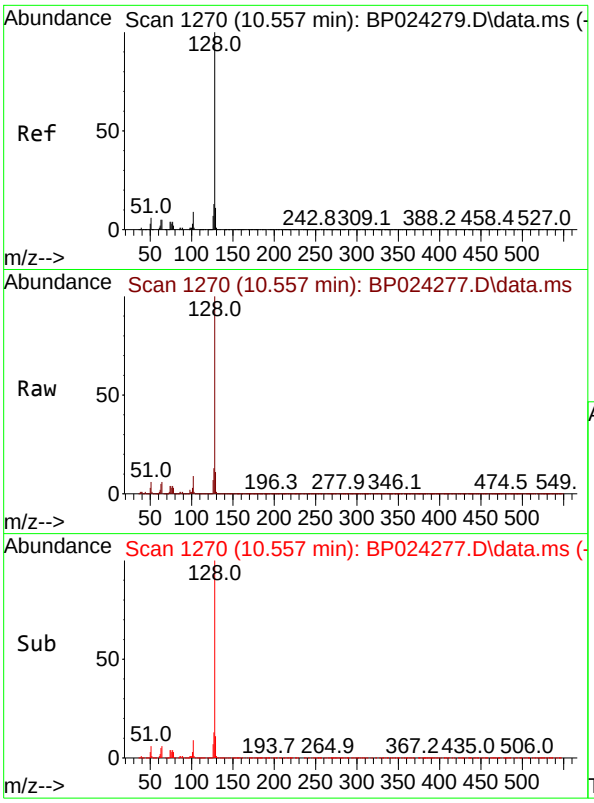


#30
1,2,4-Trichlorobenzene
Concen: 9.760 ng
RT: 10.369 min Scan# 1238
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:180 Resp: 155965

Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.3	115.9
145	31.1	25.1	37.7



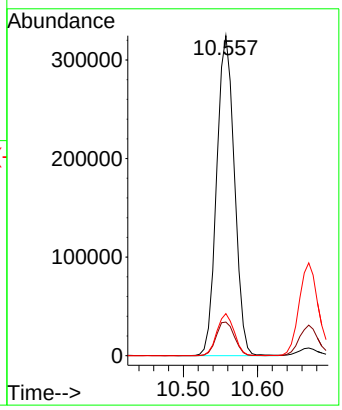


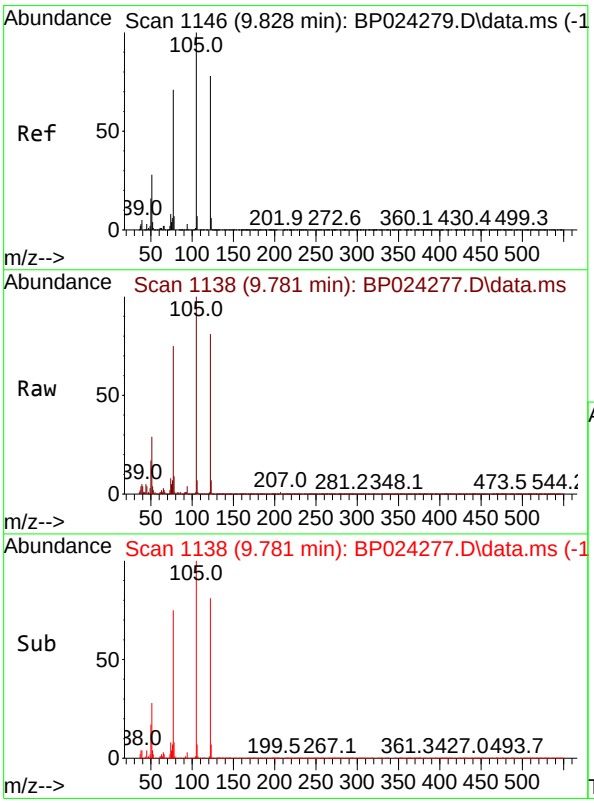
#31
Naphthalene
Concen: 9.953 ng
RT: 10.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 538892

Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.6	13.0
127	13.1	10.3	15.5

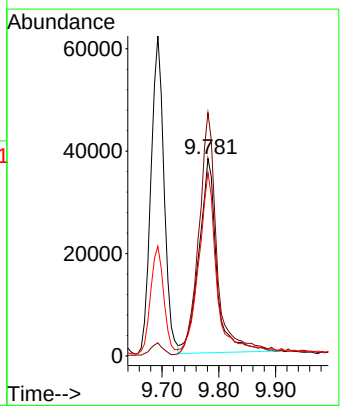


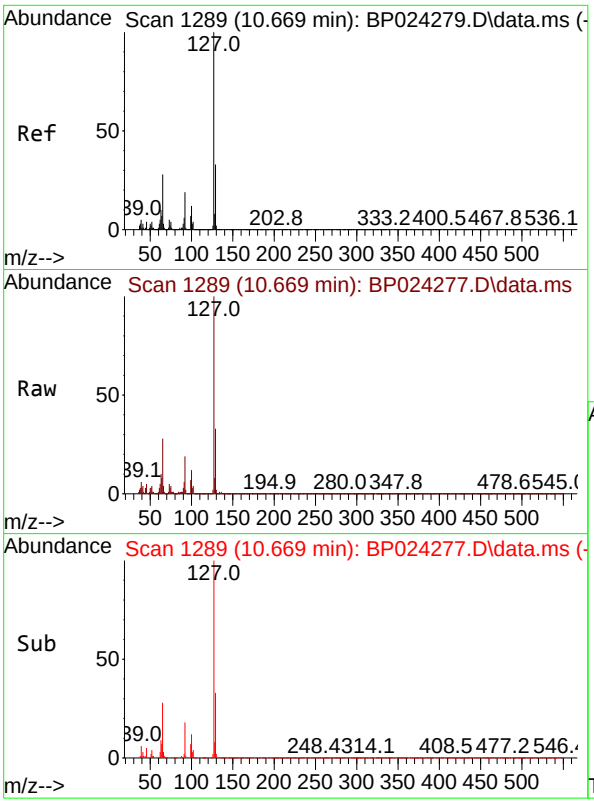


#32
Benzoic acid
Concen: 7.066 ng
RT: 9.781 min Scan# 1138
Delta R.T. -0.047 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:122 Resp: 82747

Ion	Ratio	Lower	Upper
122	100		
105	123.3	104.8	144.8
77	92.9	69.2	109.2



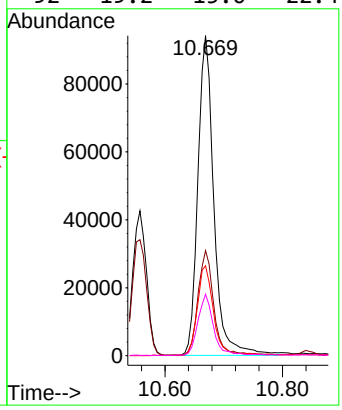


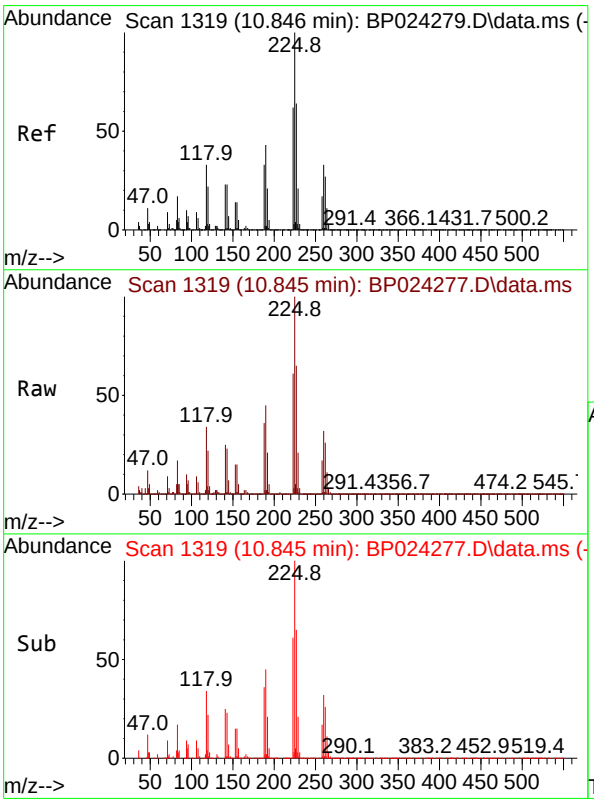
#33
4-Chloroaniline
Concen: 9.433 ng
RT: 10.669 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:127 Resp: 178451

Ion	Ratio	Lower	Upper
127	100		
129	32.9	26.1	39.1
65	28.1	22.1	33.1
92	19.2	15.0	22.4

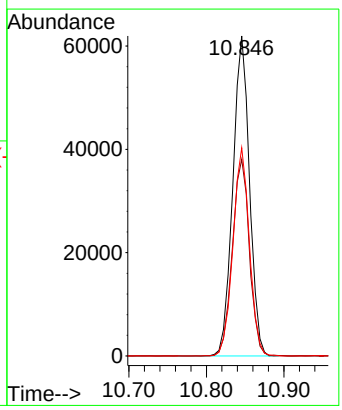


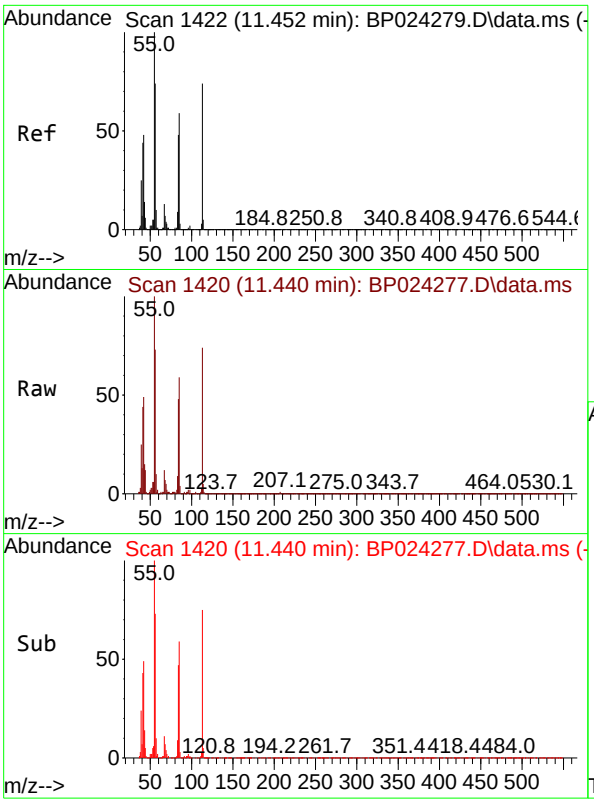


#34
Hexachlorobutadiene
Concen: 9.885 ng
RT: 10.845 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:225 Resp: 92662

Ion	Ratio	Lower	Upper
225	100		
223	61.4	49.5	74.3
227	65.0	50.9	76.3



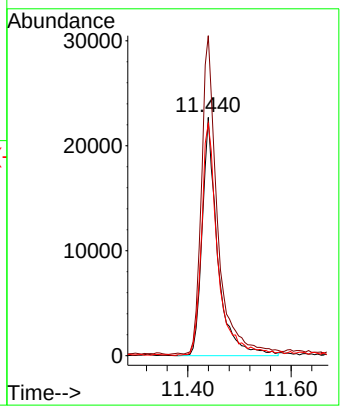


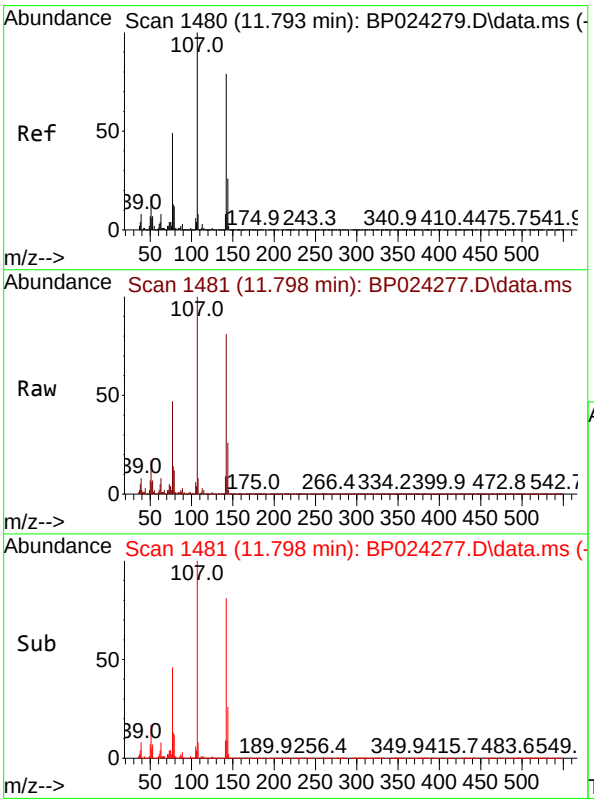
#35
Caprolactam
Concen: 8.670 ng
RT: 11.440 min Scan# 14
Delta R.T. -0.012 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:113 Resp: 47014

Ion	Ratio	Lower	Upper
113	100		
55	134.3	115.9	155.9
56	97.4	81.1	121.1

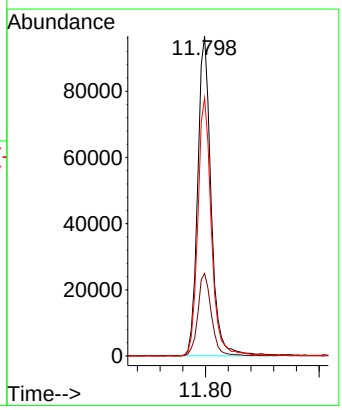


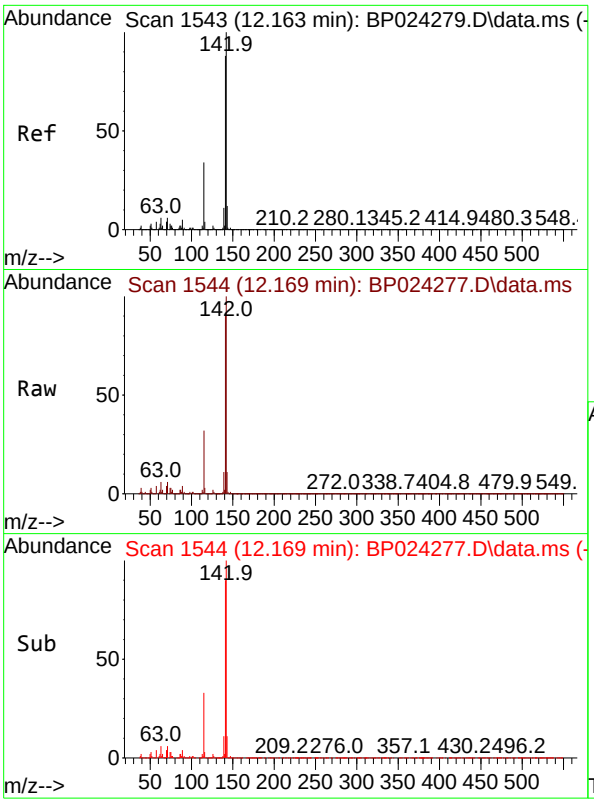


#36
4-Chloro-3-methylphenol
Concen: 9.213 ng
RT: 11.798 min Scan# 1481
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:107 Resp: 158563

Ion	Ratio	Lower	Upper
107	100		
144	25.8	20.5	30.7
142	80.6	63.4	95.2



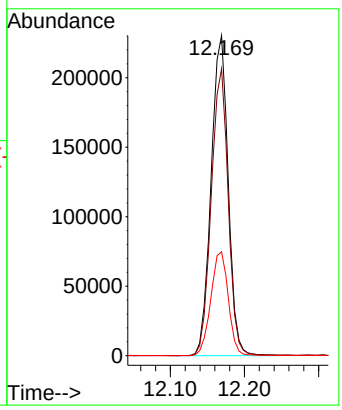


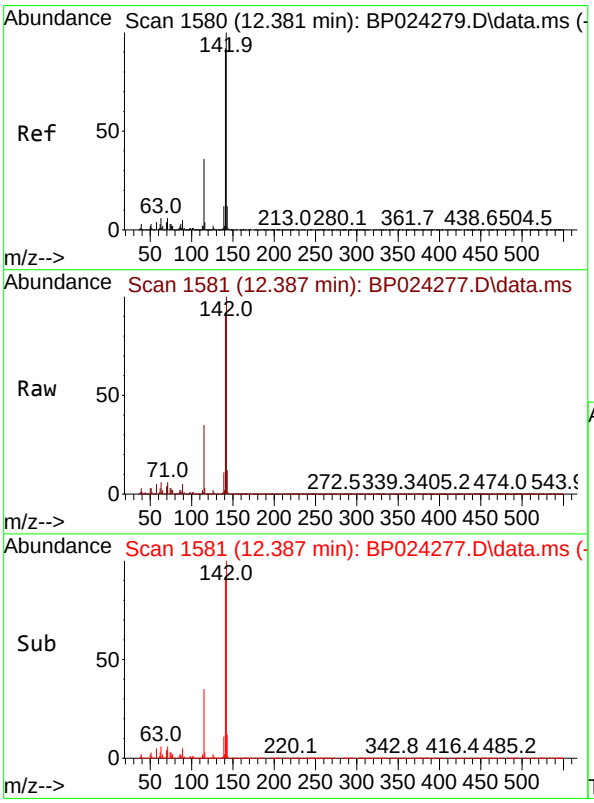
#37
2-Methylnaphthalene
Concen: 9.810 ng
RT: 12.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 368122

Ion	Ratio	Lower	Upper
142	100		
141	89.7	70.3	105.5
115	32.5	26.9	40.3

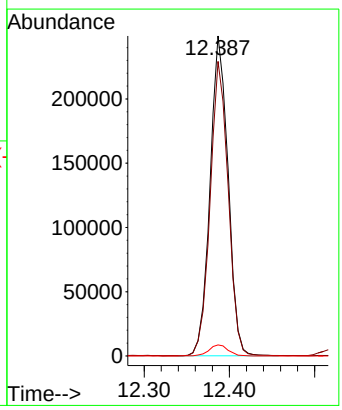


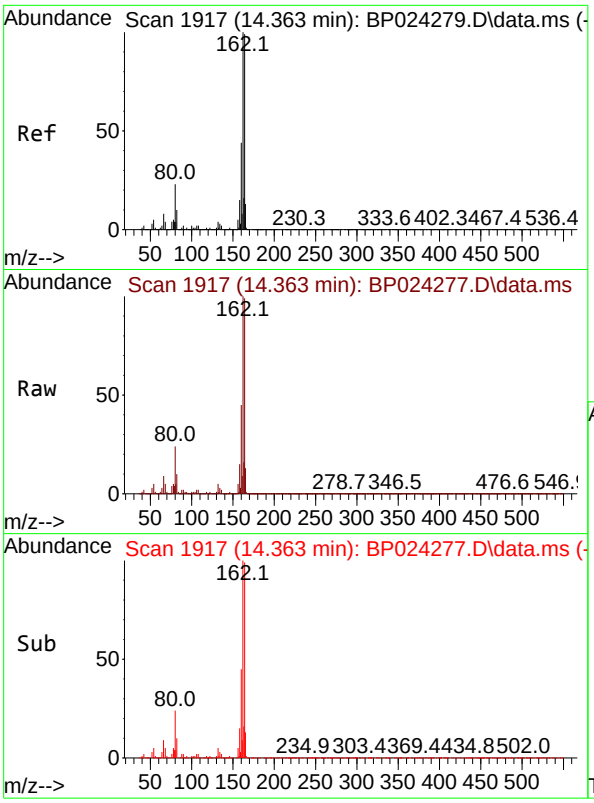


#38
1-Methylnaphthalene
Concen: 9.933 ng
RT: 12.387 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:142 Resp: 365139

Ion	Ratio	Lower	Upper
142	100		
141	92.1	73.6	110.4
116	3.5	3.0	4.6



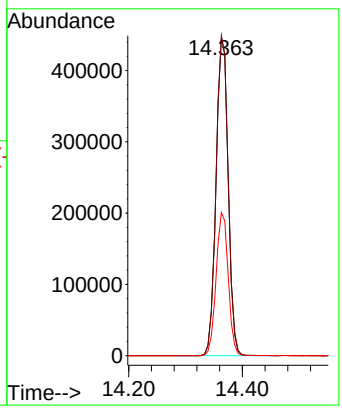


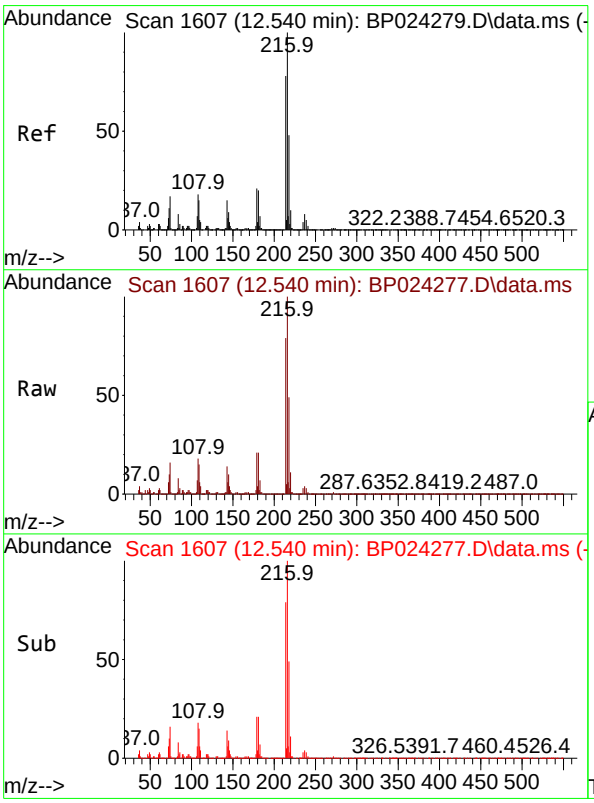
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.363 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:164 Resp: 658652

Ion	Ratio	Lower	Upper
164	100		
162	100.6	80.6	120.8
160	45.0	35.3	52.9

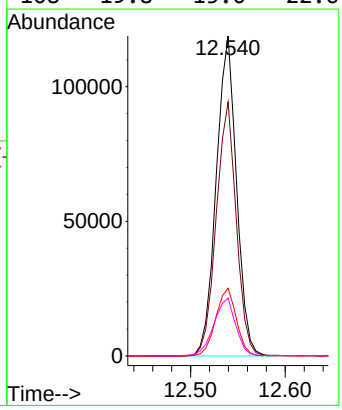


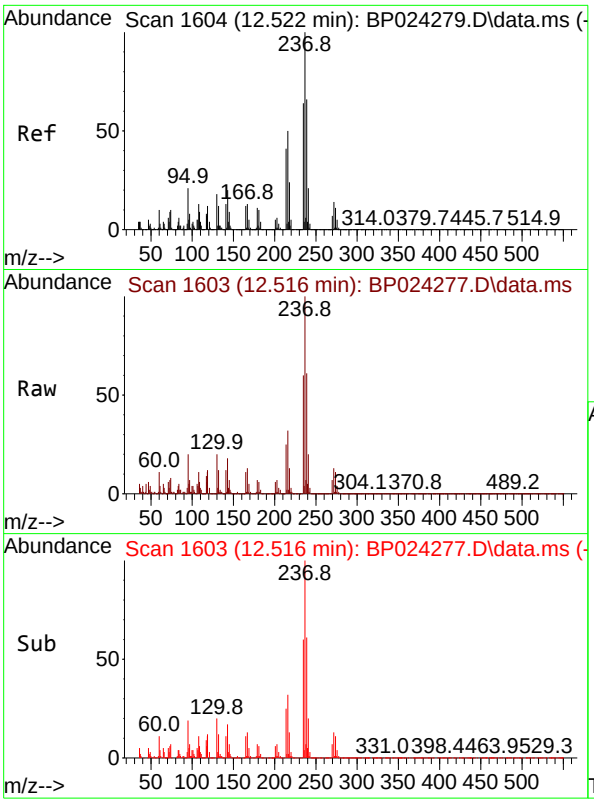


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.789 ng
RT: 12.540 min Scan# 1607
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:216 Resp: 177188

Ion	Ratio	Lower	Upper
216	100		
214	78.3	62.6	93.8
179	21.5	17.2	25.8
108	19.8	15.0	22.6



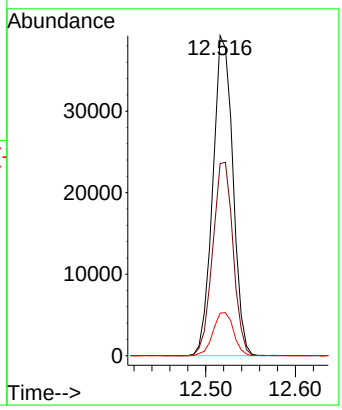


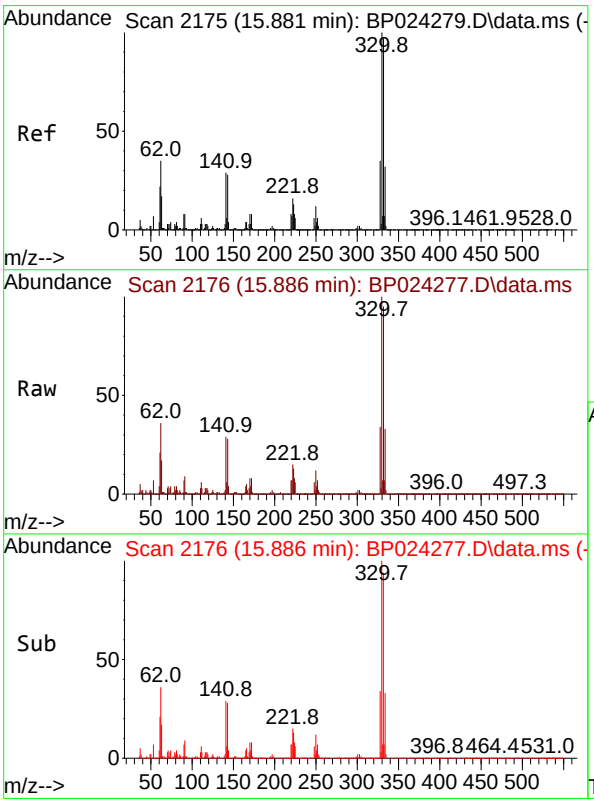
#41
Hexachlorocyclopentadiene
Concen: 9.586 ng
RT: 12.516 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 60914

Ion	Ratio	Lower	Upper
237	100		
235	60.0	43.9	83.9
272	13.3	0.0	33.6

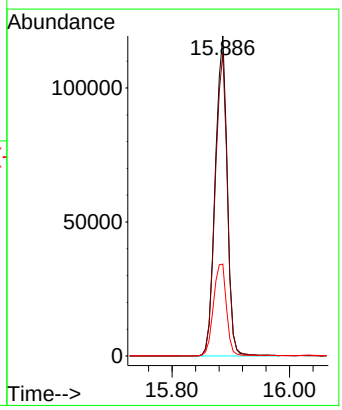


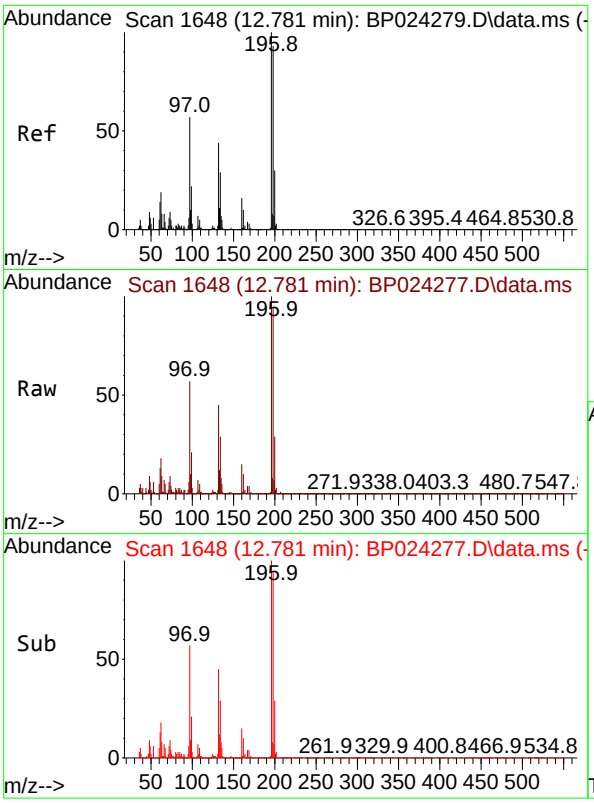


#42
2,4,6-Tribromophenol
Concen: 18.715 ng
RT: 15.886 min Scan# 2176
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:330 Resp: 168790

Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.1	115.7
141	31.2	24.7	37.1



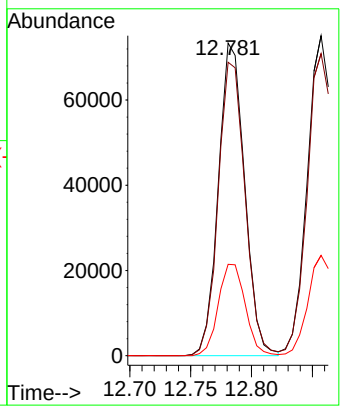


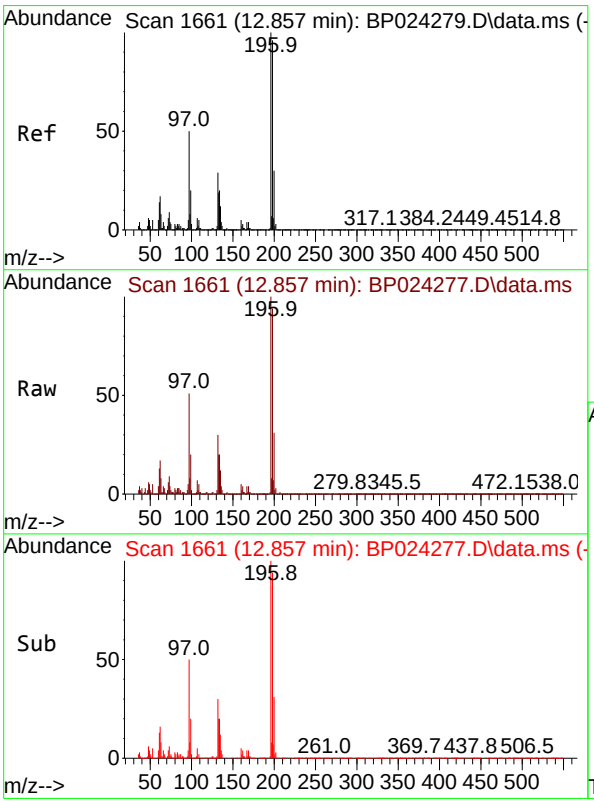
#43
2,4,6-Trichlorophenol
Concen: 9.253 ng
RT: 12.781 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:196 Resp: 110203

Ion	Ratio	Lower	Upper
196	100		
198	93.9	74.3	111.5
200	29.3	24.0	36.0

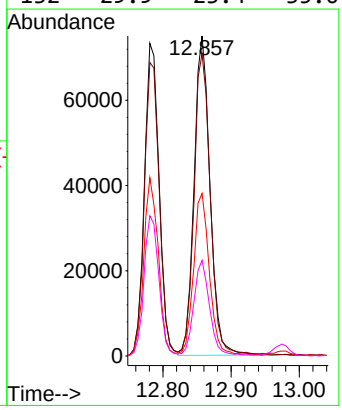


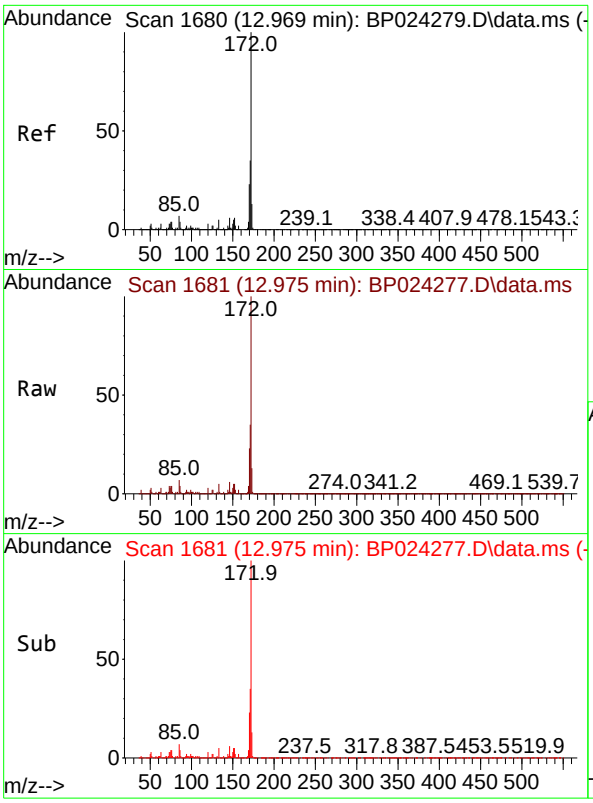


#44
2,4,5-Trichlorophenol
Concen: 9.251 ng
RT: 12.857 min Scan# 1661
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:196 Resp: 122104

Ion	Ratio	Lower	Upper
196	100		
198	94.4	77.3	115.9
97	50.8	40.4	60.6
132	29.9	23.4	35.0



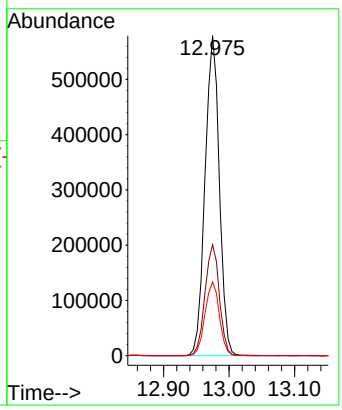


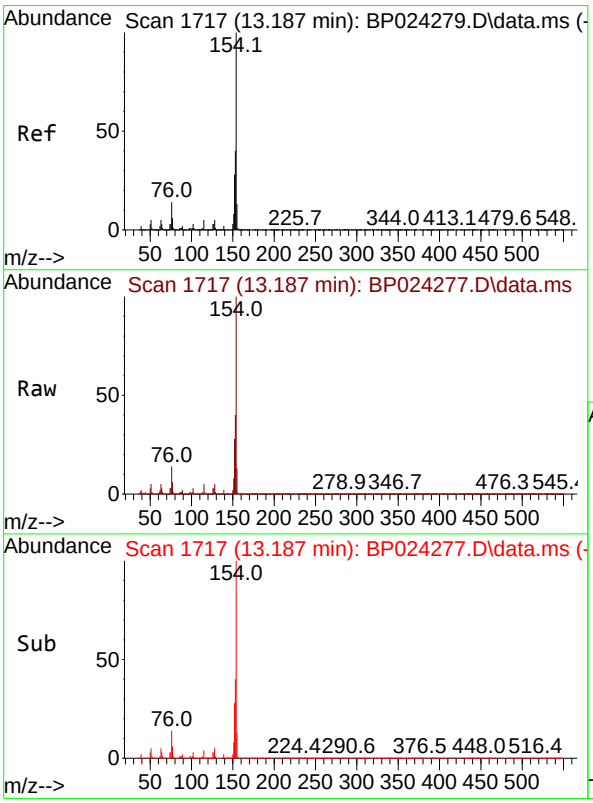
#45
2-Fluorobiphenyl
Concen: 20.247 ng
RT: 12.975 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:172 Resp: 878366

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.2	42.2
170	23.0	18.6	27.8

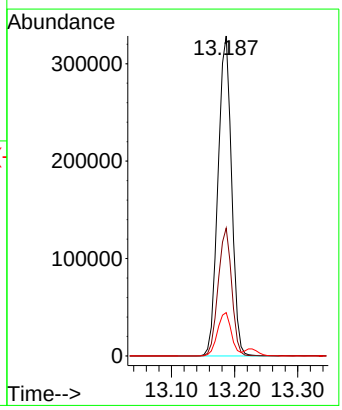


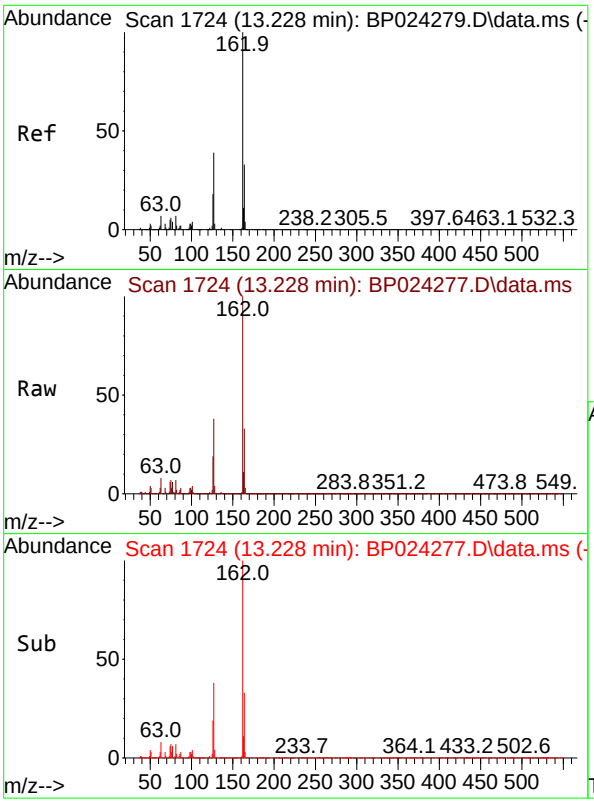


#46
1,1'-Biphenyl
Concen: 10.080 ng
RT: 13.187 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:154 Resp: 490325

Ion	Ratio	Lower	Upper
154	100		
153	40.0	20.3	60.3
76	13.6	0.0	33.5



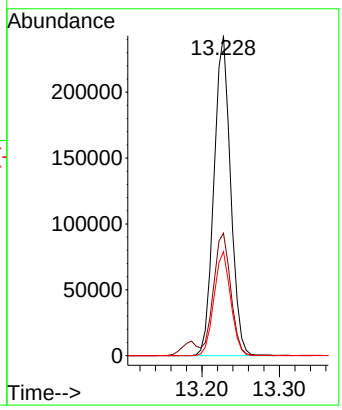


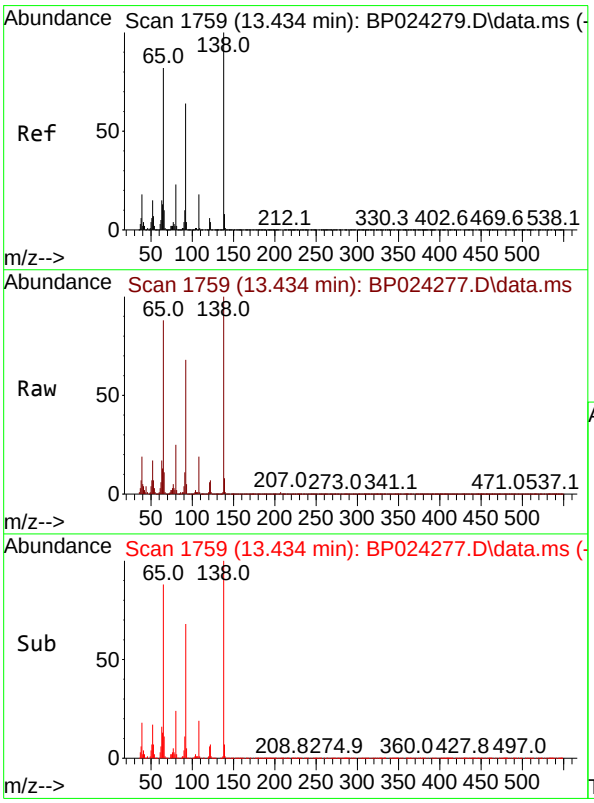
#47
2-Chloronaphthalene
Concen: 9.985 ng
RT: 13.228 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 362419

Ion	Ratio	Lower	Upper
162	100		
127	38.3	31.9	47.9
164	32.5	26.2	39.4

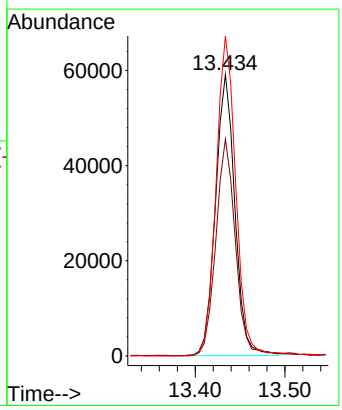


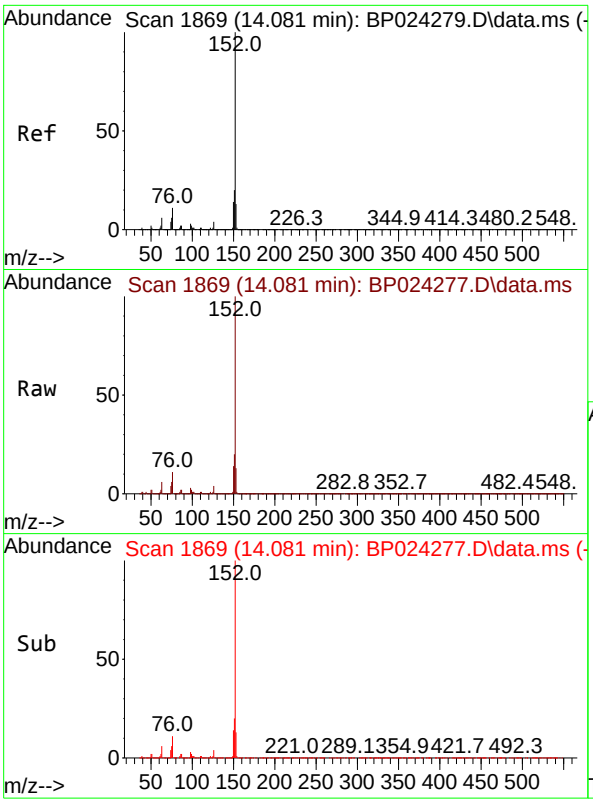


#48
2-Nitroaniline
Concen: 8.866 ng
RT: 13.434 min Scan# 1759
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion: 65 Resp: 88889

Ion	Ratio	Lower	Upper
65	100		
92	77.0	62.3	93.5
138	113.7	97.2	145.8



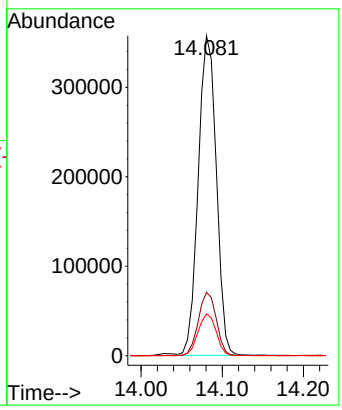


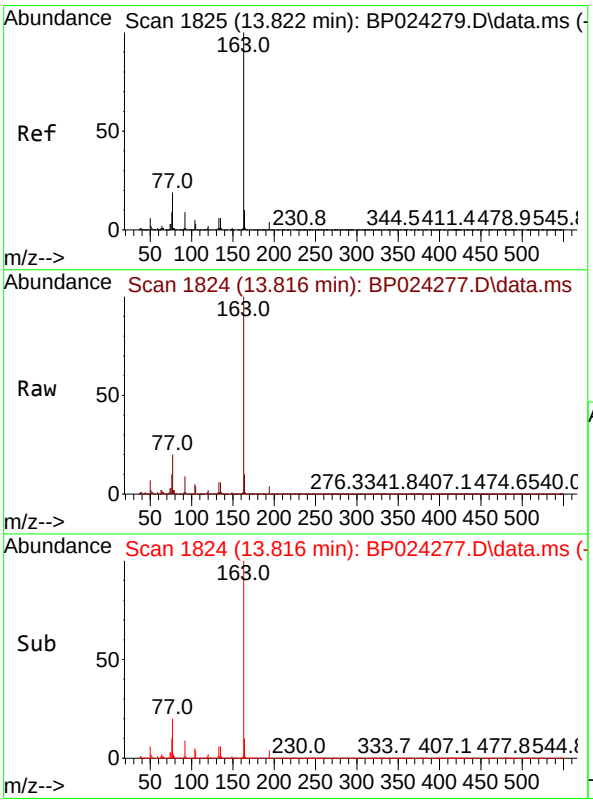
#49
Acenaphthylene
Concen: 9.711 ng
RT: 14.081 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 553215

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.9	23.9
153	13.1	10.6	15.8

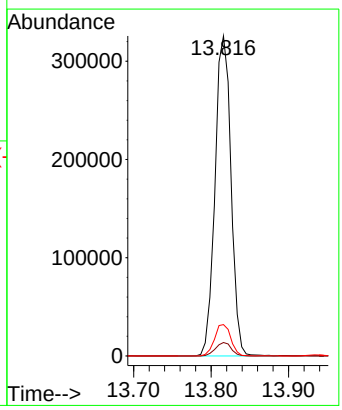


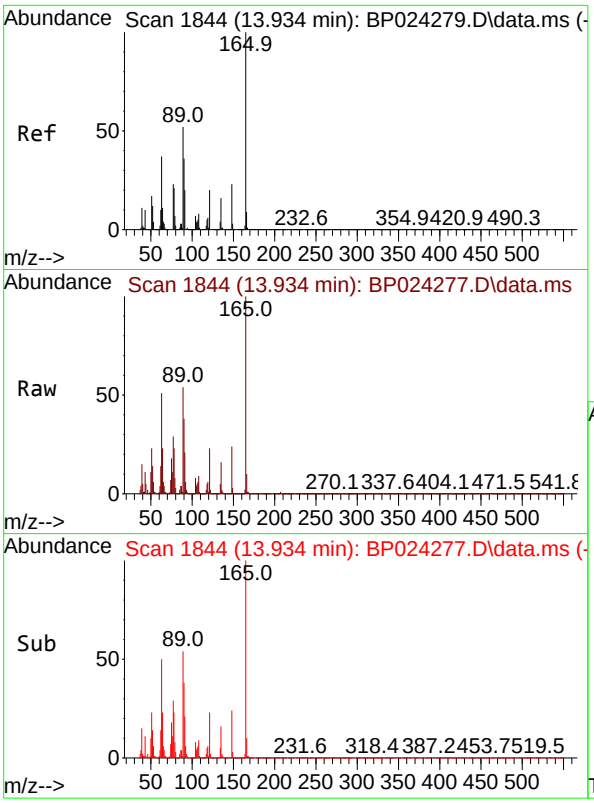


#50
Dimethylphthalate
Concen: 9.704 ng
RT: 13.816 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:163 Resp: 466314

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.5	5.3
164	9.8	8.0	12.0



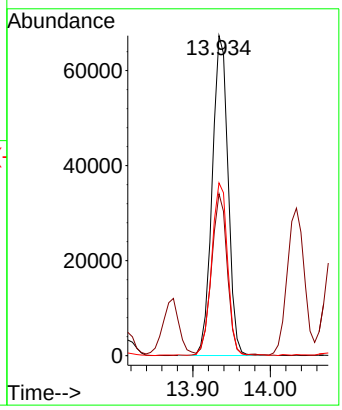


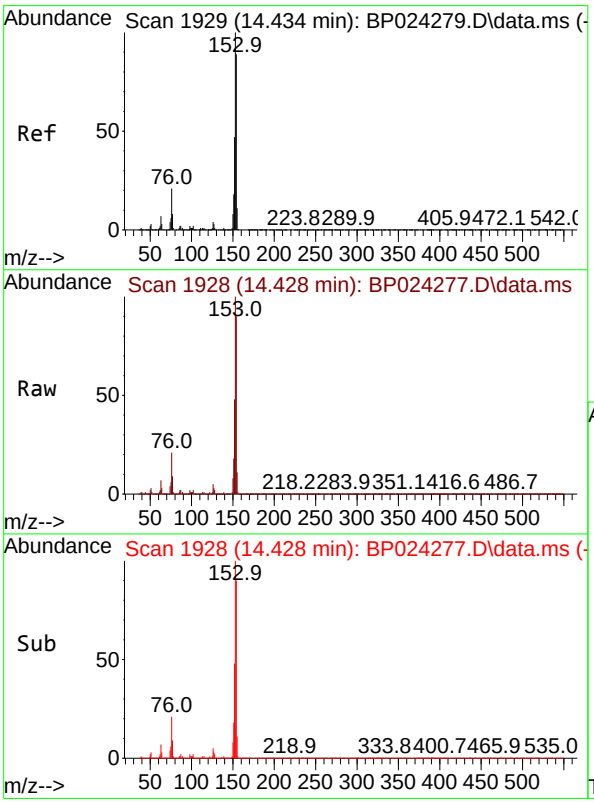
#51
2,6-Dinitrotoluene
Concen: 9.442 ng
RT: 13.934 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 95596

Ion	Ratio	Lower	Upper
165	100		
63	50.6	38.0	57.0
89	54.0	41.7	62.5

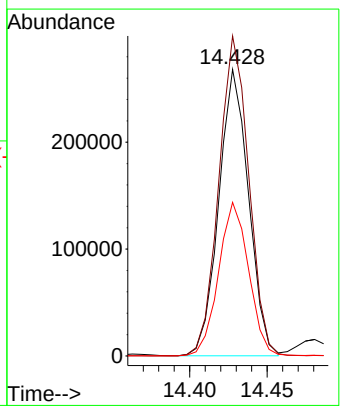


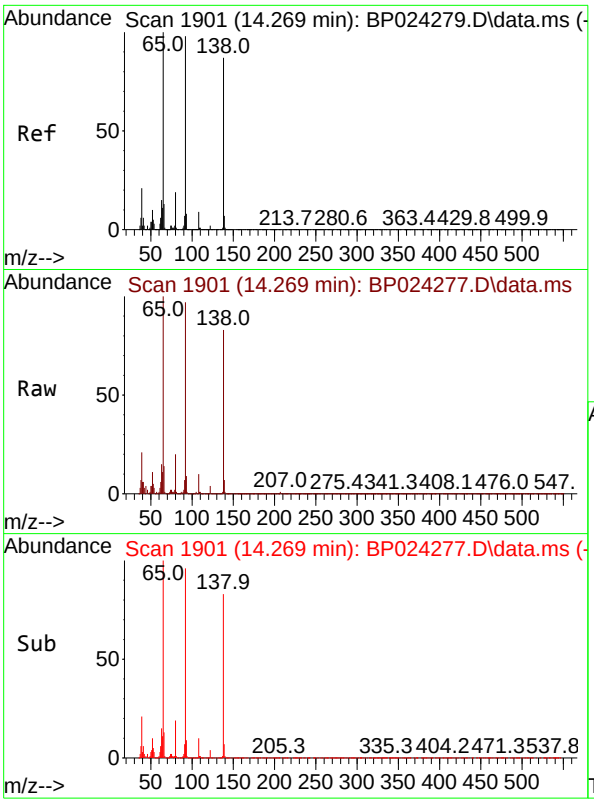


#52
Acenaphthene
Concen: 9.877 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:154 Resp: 357828

Ion	Ratio	Lower	Upper
154	100		
153	111.6	89.8	134.6
152	53.6	42.6	63.8



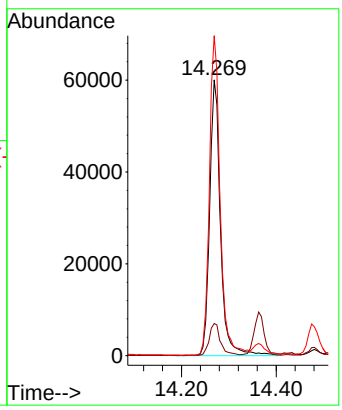


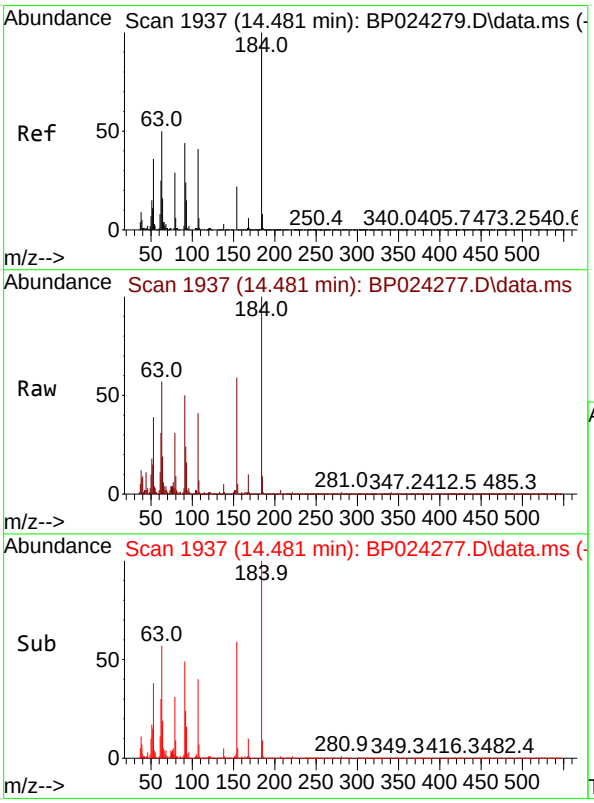
#53
3-Nitroaniline
Concen: 9.067 ng
RT: 14.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:138 Resp: 95237

Ion	Ratio	Lower	Upper
138	100		
108	11.7	8.3	12.5
92	116.0	89.8	134.8

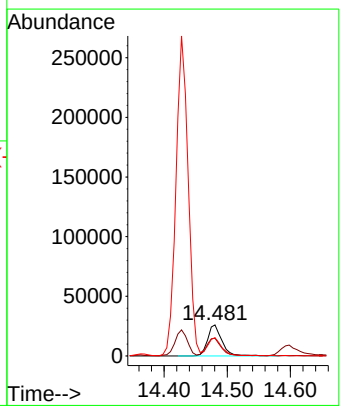


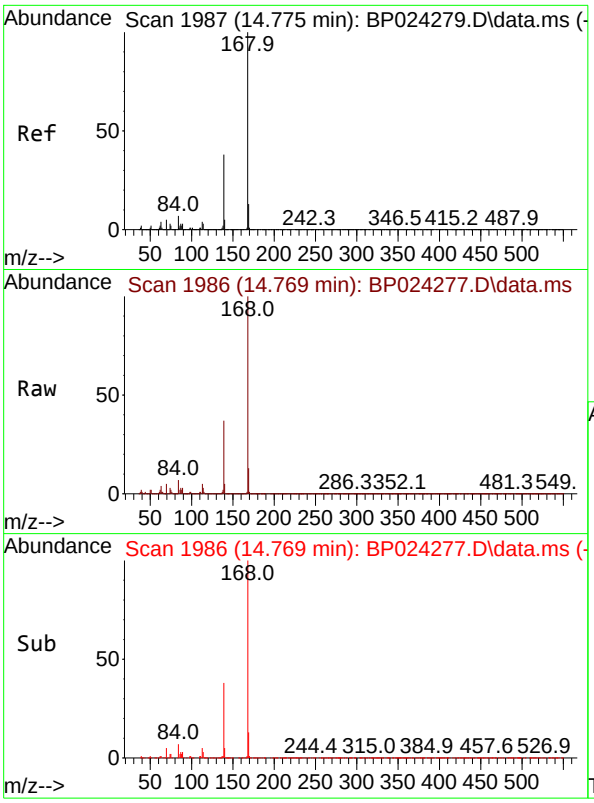


#54
2,4-Dinitrophenol
Concen: 7.588 ng
RT: 14.481 min Scan# 1937
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:184 Resp: 41132

Ion	Ratio	Lower	Upper
184	100		
63	57.2	42.6	64.0
154	58.9	47.2	70.8



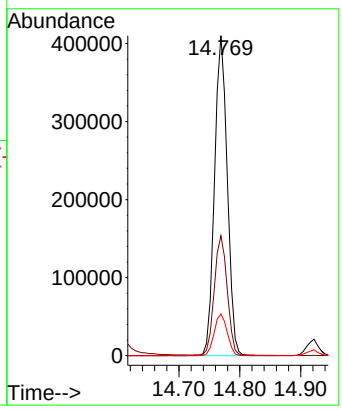


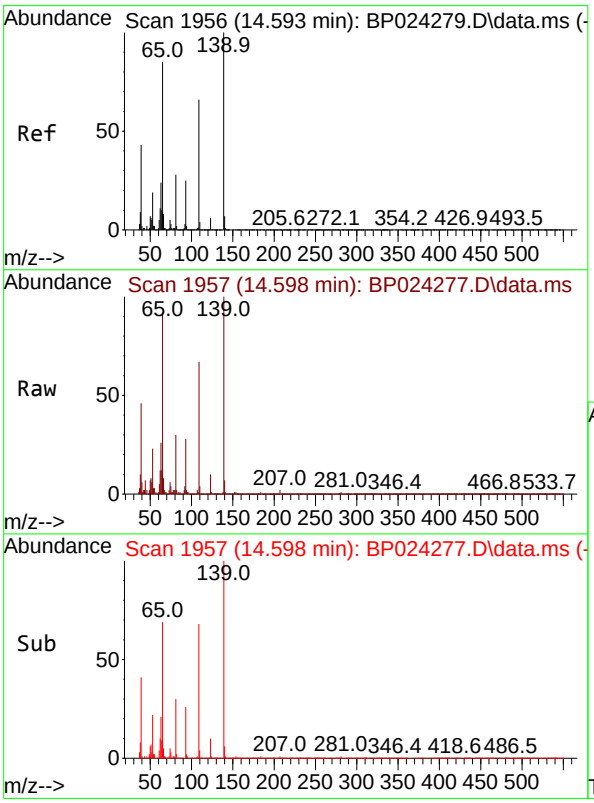
#55
Dibenzofuran
Concen: 10.013 ng
RT: 14.769 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:168 Resp: 594953

Ion	Ratio	Lower	Upper
168	100		
139	37.5	30.3	45.5
169	13.1	10.6	16.0

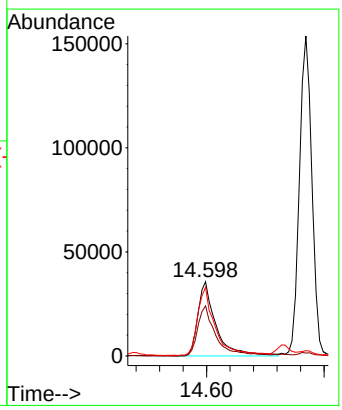


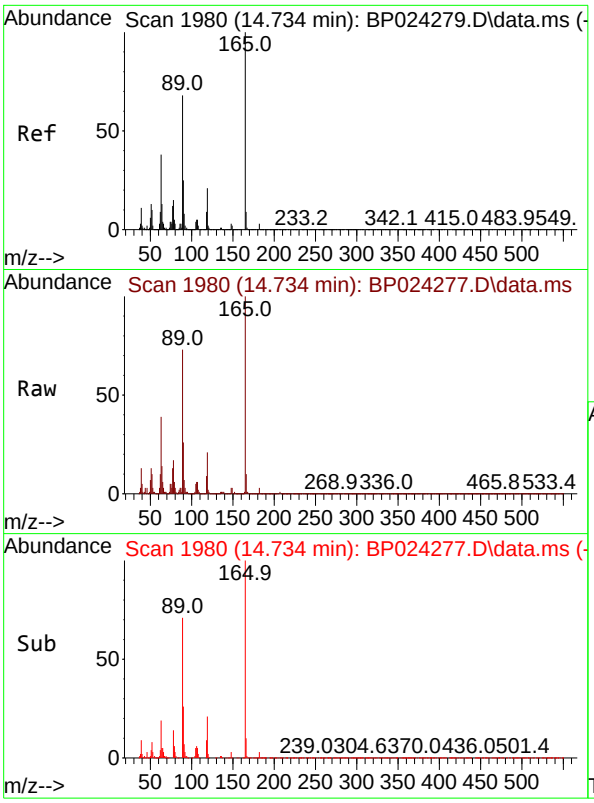


#56
4-Nitrophenol
Concen: 8.416 ng
RT: 14.598 min Scan# 1957
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:139 Resp: 75995

Ion	Ratio	Lower	Upper
139	100		
109	67.3	46.1	86.1
65	92.4	65.0	105.0



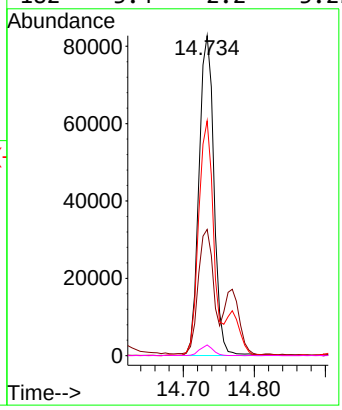


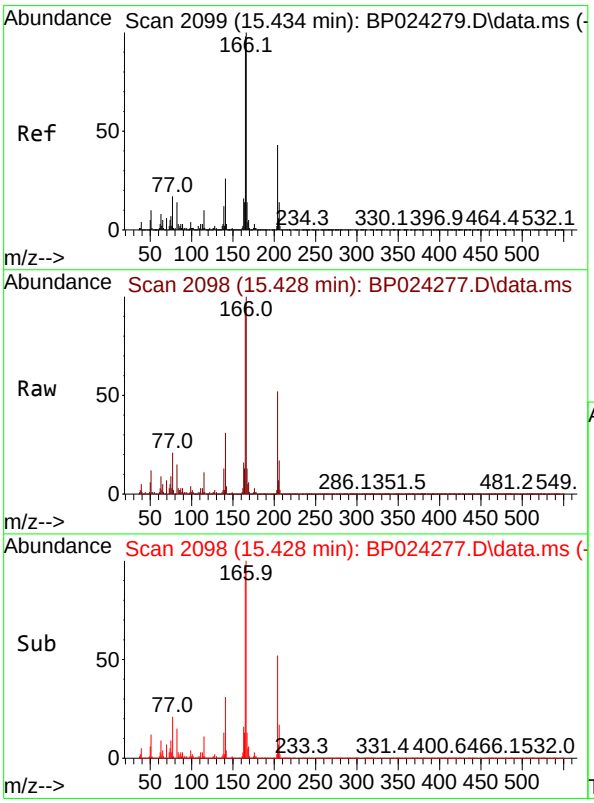
#57
2,4-Dinitrotoluene
Concen: 8.862 ng
RT: 14.734 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 121276

Ion	Ratio	Lower	Upper
165	100		
63	39.5	30.4	45.6
89	73.4	54.6	82.0
182	3.4	2.2	3.2#

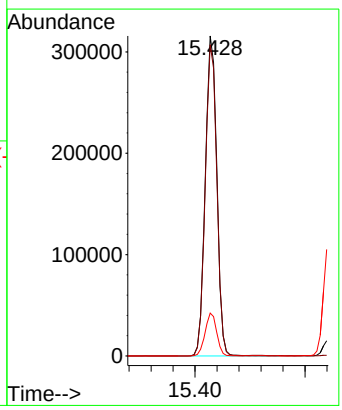


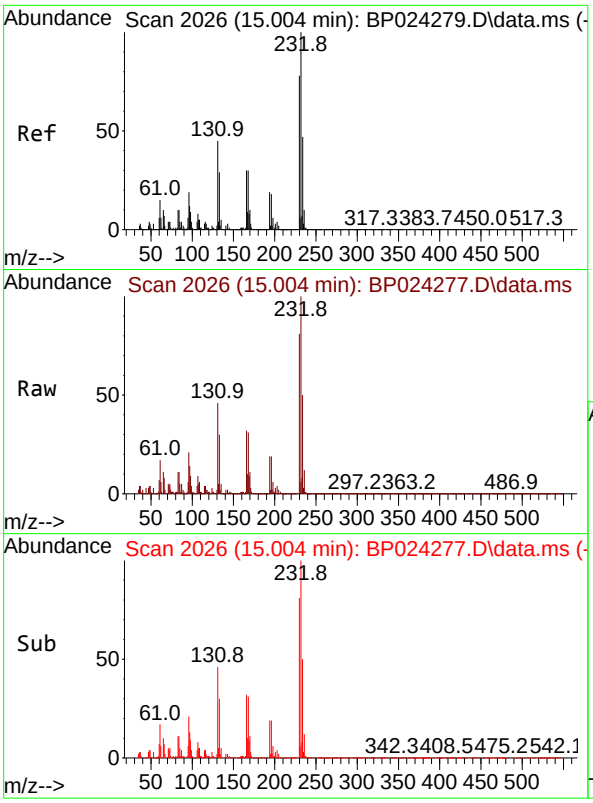


#58
Fluorene
Concen: 10.026 ng
RT: 15.428 min Scan# 2098
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:166 Resp: 459952

Ion	Ratio	Lower	Upper
166	100		
165	97.2	78.1	117.1
167	13.4	10.9	16.3



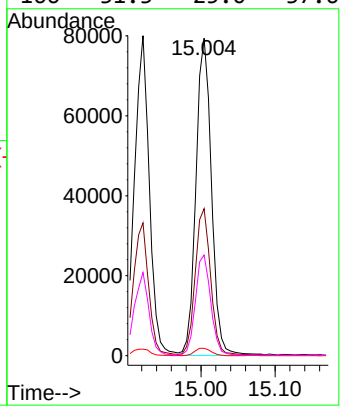


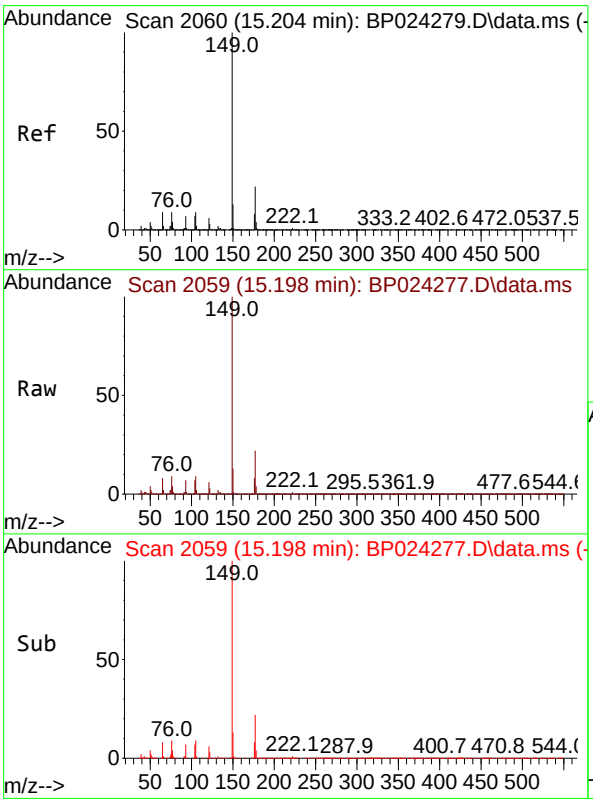
#59
2,3,4,6-Tetrachlorophenol
Concen: 9.470 ng
RT: 15.004 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:232 Resp: 115645

Ion	Ratio	Lower	Upper
232	100		
131	45.6	36.8	55.2
130	2.5	1.9	2.9
166	31.3	25.0	37.6

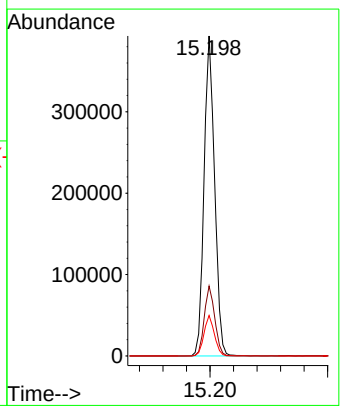


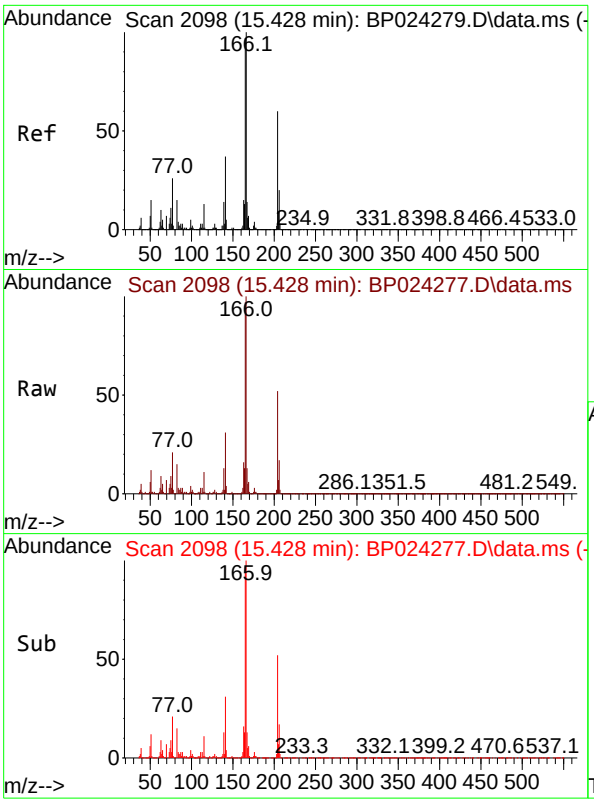


#60
Diethylphthalate
Concen: 9.884 ng
RT: 15.198 min Scan# 2059
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:149 Resp: 488847

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.4	26.2
150	12.6	10.1	15.1



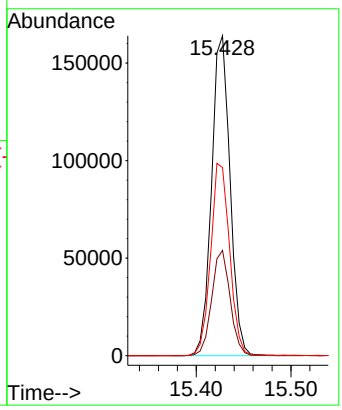


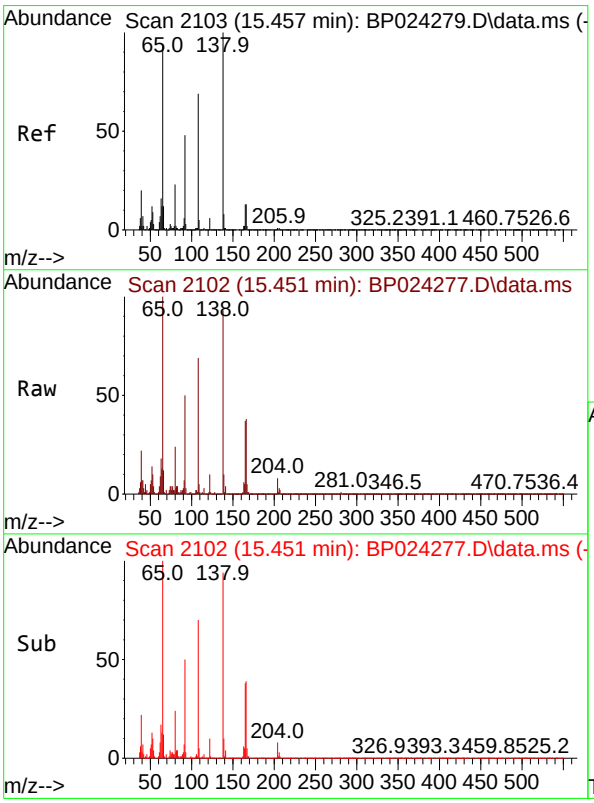
#61
4-Chlorophenyl-phenylether
Concen: 9.985 ng
RT: 15.428 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 222437

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.5	39.7
141	58.8	49.4	74.0

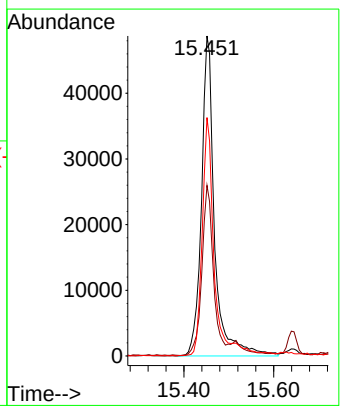


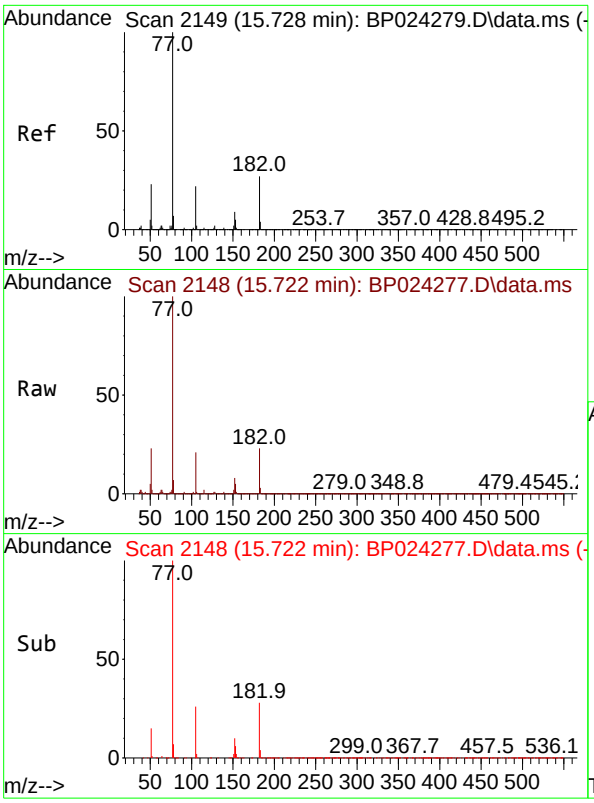


#62
4-Nitroaniline
Concen: 8.857 ng
RT: 15.451 min Scan# 2102
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:138 Resp: 98638

Ion	Ratio	Lower	Upper
138	100		
92	53.3	27.8	67.8
108	74.5	48.9	88.9



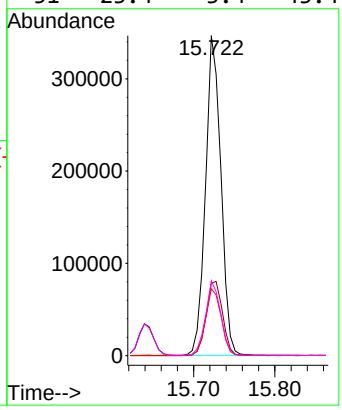


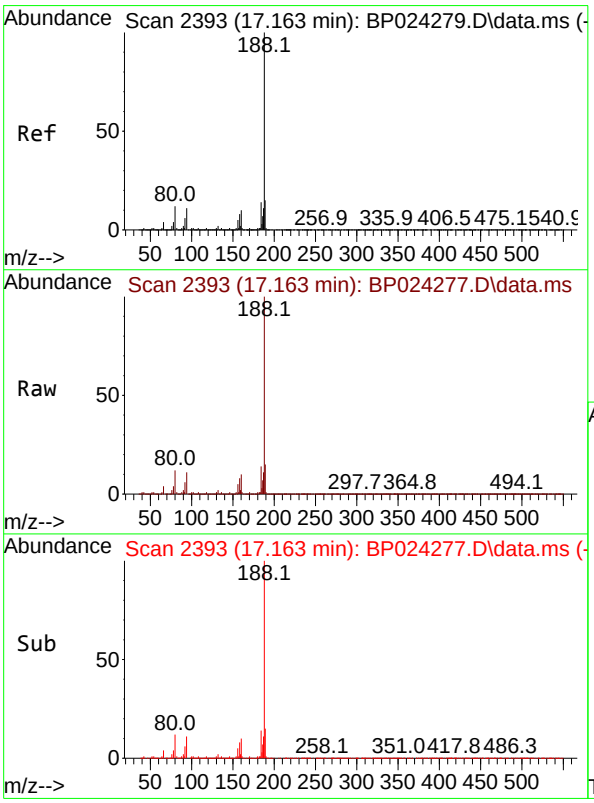
#63
Azobenzene
Concen: 9.999 ng
RT: 15.722 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 455459

Ion	Ratio	Lower	Upper
77	100		
182	22.7	7.3	47.3
105	20.9	2.3	42.3
51	23.4	3.4	43.4

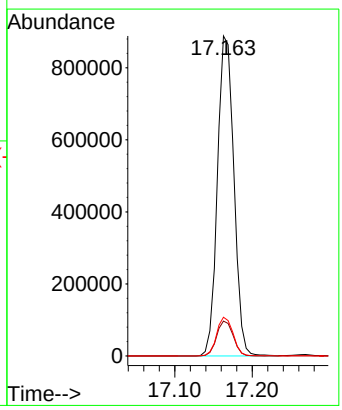


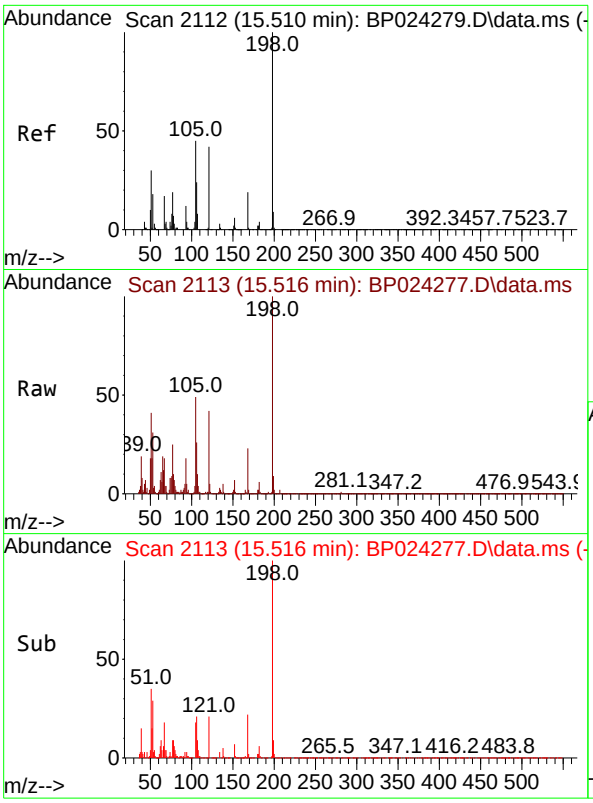


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2393
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:188 Resp: 1310701

Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.6	13.0
80	12.1	9.8	14.6



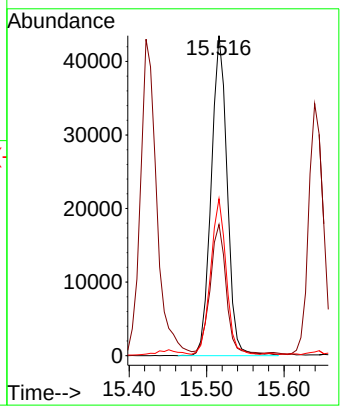


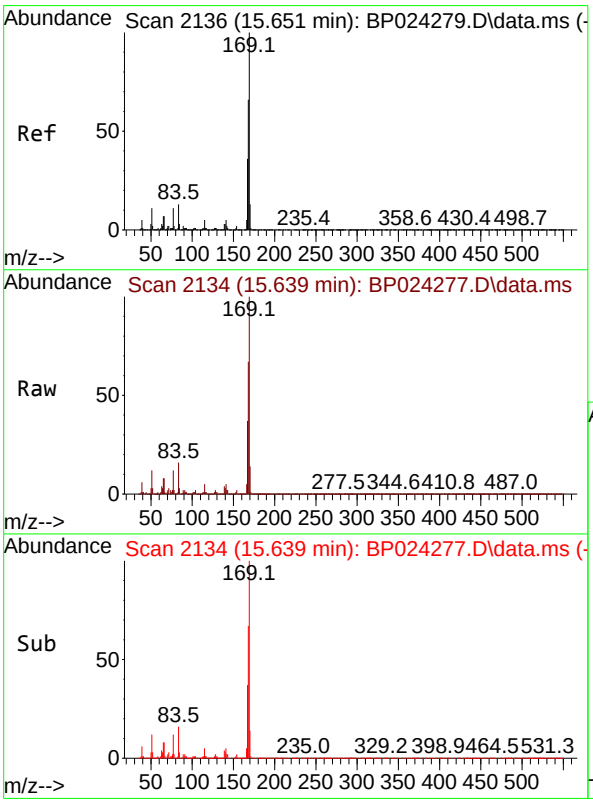
#65
4,6-Dinitro-2-methylphenol
Concen: 8.151 ng
RT: 15.516 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 62421

Ion	Ratio	Lower	Upper
198	100		
51	41.0	18.4	58.4
105	49.0	26.5	66.5

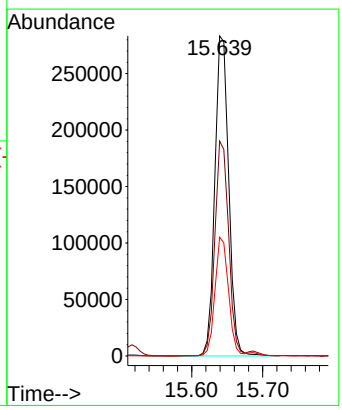


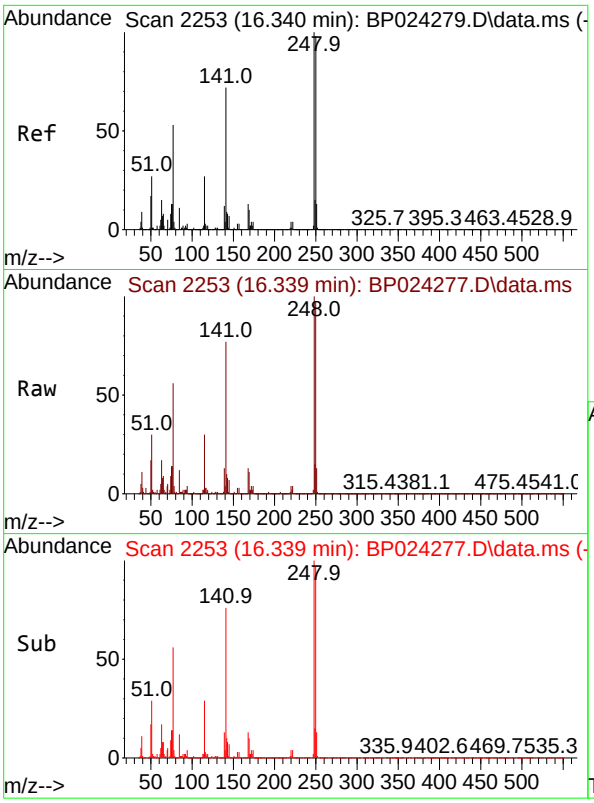


#66
n-Nitrosodiphenylamine
Concen: 9.759 ng
RT: 15.639 min Scan# 2134
Delta R.T. -0.012 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:169 Resp: 383558

Ion	Ratio	Lower	Upper
169	100		
168	67.2	53.0	79.4
167	37.1	28.9	43.3



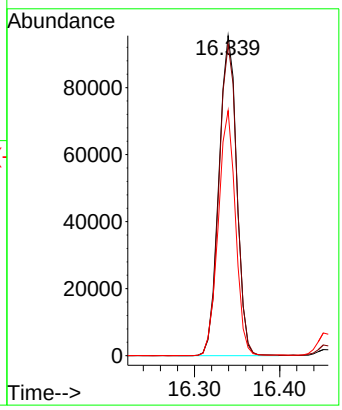


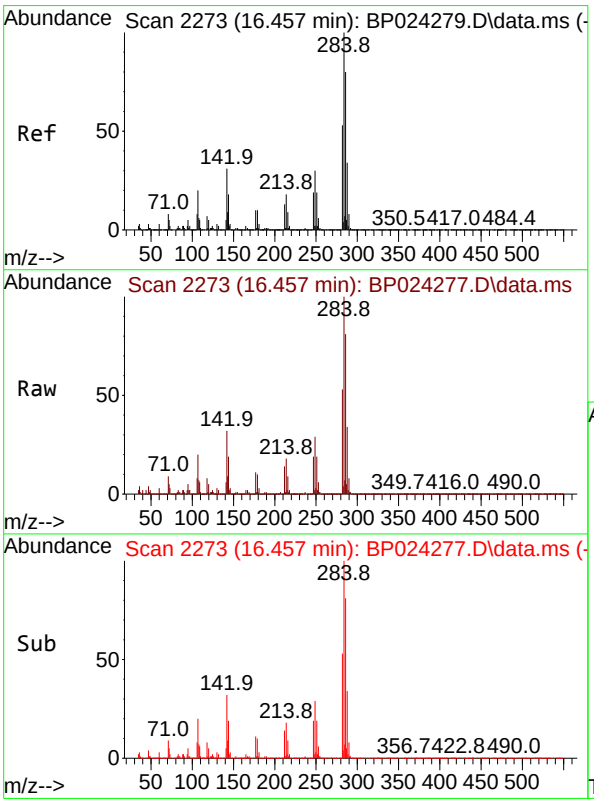
#67
4-Bromophenyl-phenylether
Concen: 9.703 ng
RT: 16.339 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:248 Resp: 138724

Ion	Ratio	Lower	Upper
248	100		
250	97.2	78.2	117.4
141	76.6	57.7	86.5

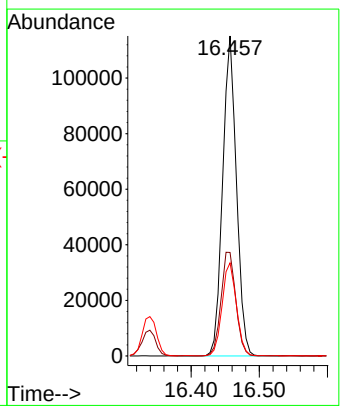


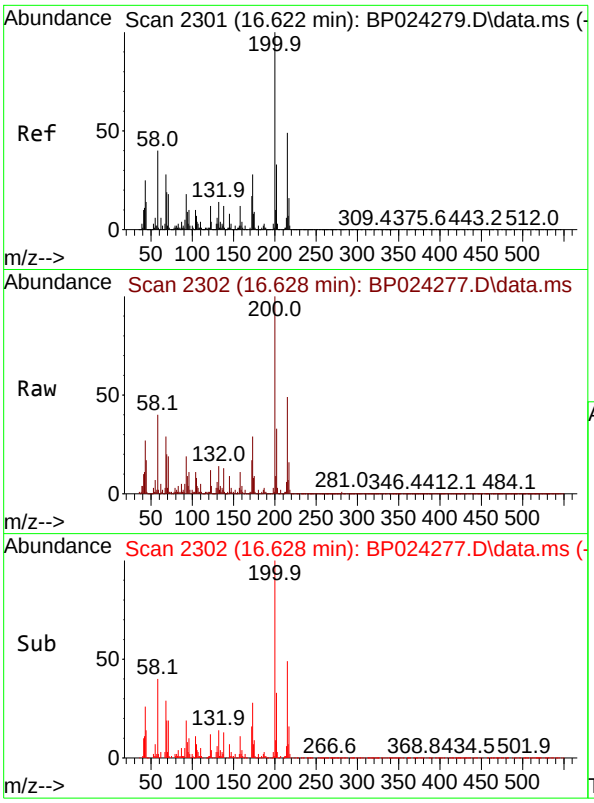


#68
Hexachlorobenzene
Concen: 9.528 ng
RT: 16.457 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:284 Resp: 161944

Ion	Ratio	Lower	Upper
284	100		
142	32.4	24.6	37.0
249	29.1	23.8	35.6



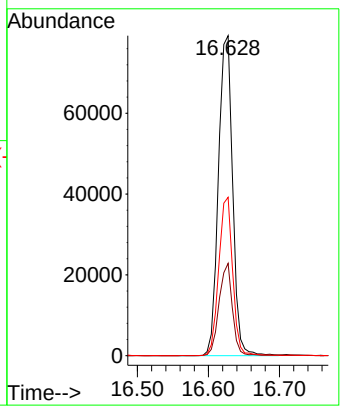


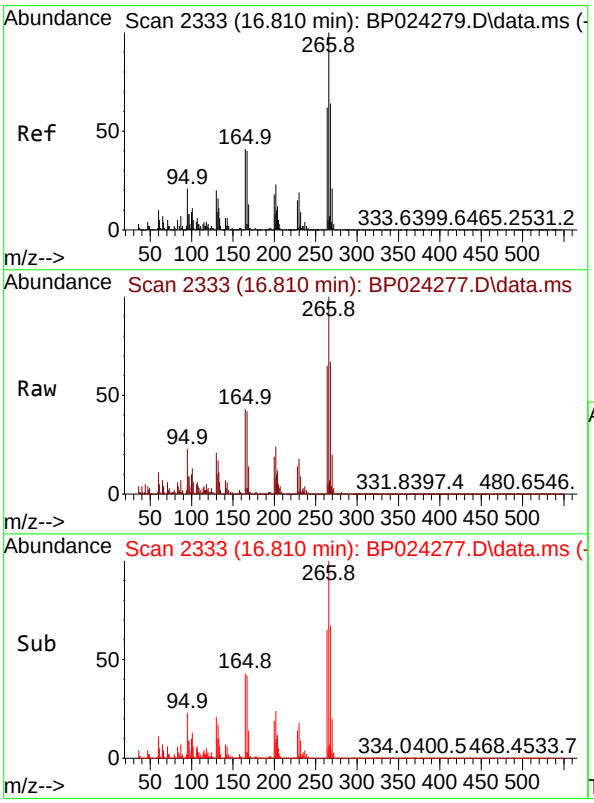
#69
Atrazine
Concen: 10.990 ng
RT: 16.628 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:200 Resp: 109503

Ion	Ratio	Lower	Upper
200	100		
173	28.8	7.5	47.5
215	49.5	28.8	68.8

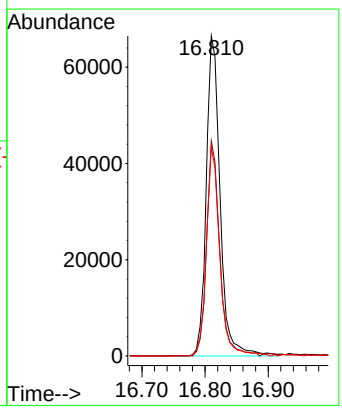


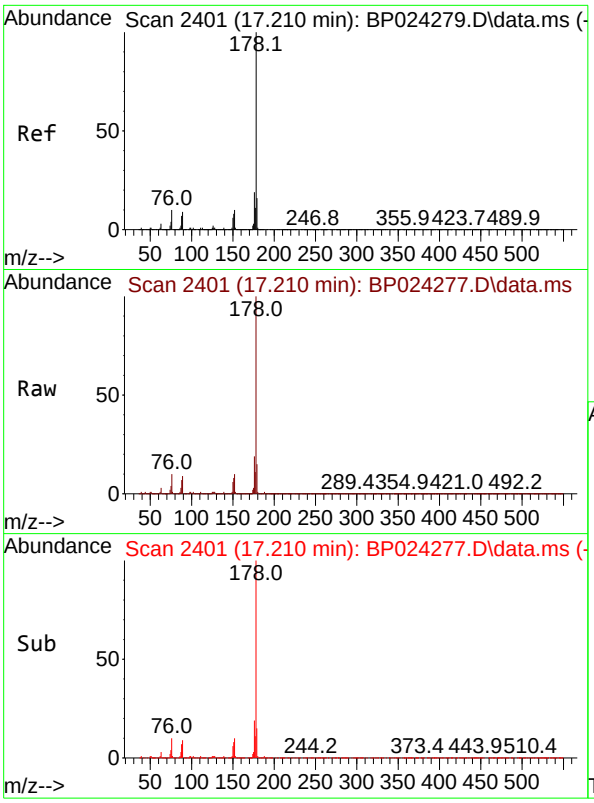


#70
Pentachlorophenol
Concen: 8.682 ng
RT: 16.810 min Scan# 2333
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:266 Resp: 101318

Ion	Ratio	Lower	Upper
266	100		
268	67.1	51.0	76.6
264	65.3	49.8	74.6



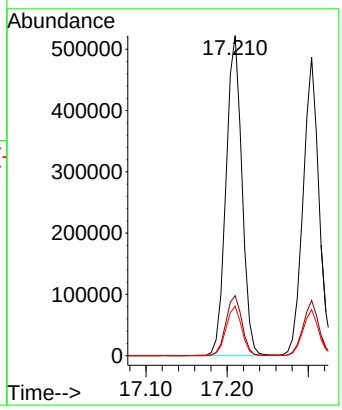


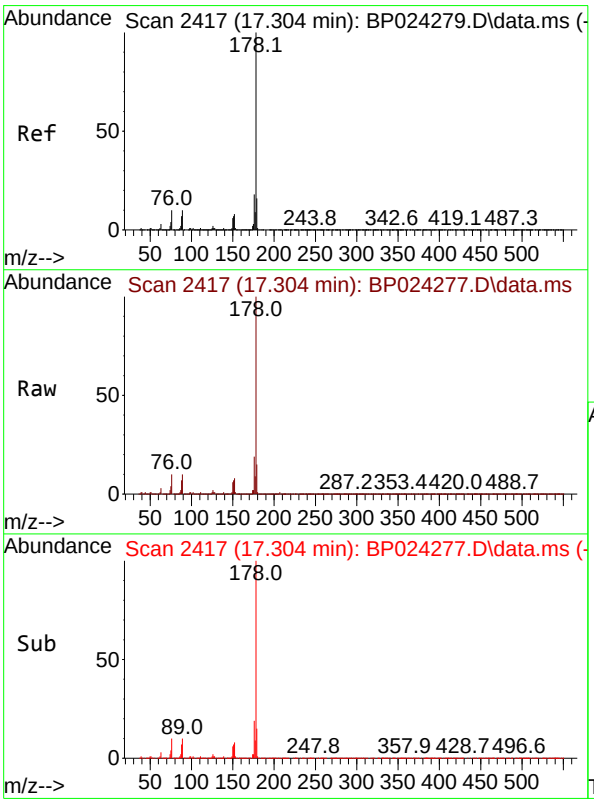
#71
Phenanthrene
Concen: 9.900 ng
RT: 17.210 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 711407

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.0
179	15.5	12.5	18.7

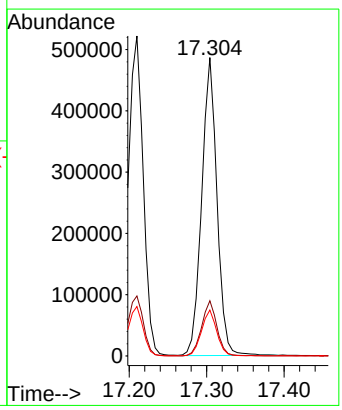


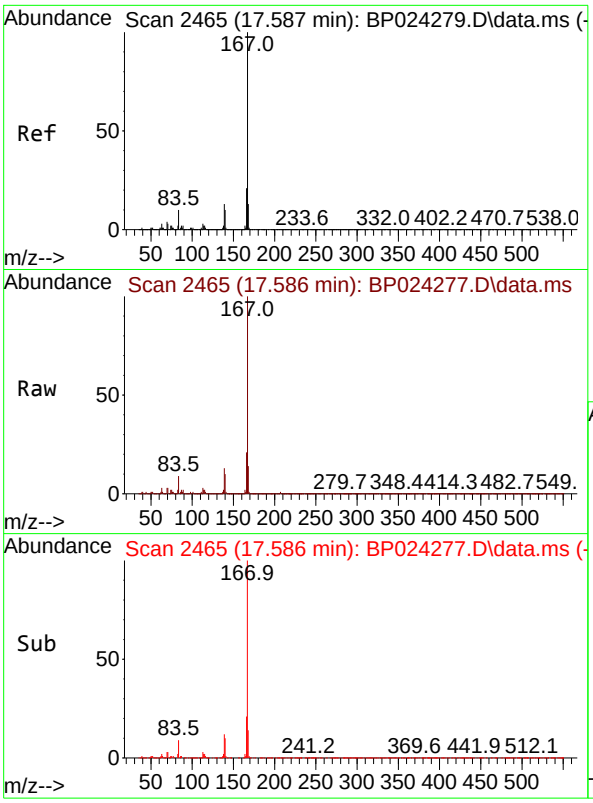


#72
Anthracene
Concen: 9.635 ng
RT: 17.304 min Scan# 2417
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:178 Resp: 666269

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.7	22.1
179	15.4	12.4	18.6



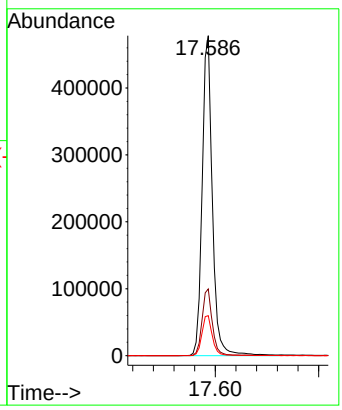


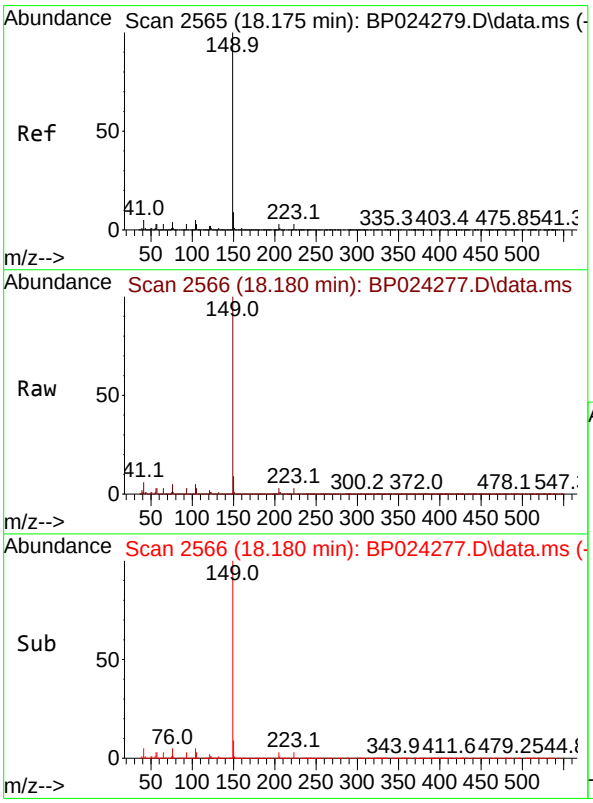
#73
Carbazole
Concen: 9.721 ng
RT: 17.586 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:167 Resp: 654205

Ion	Ratio	Lower	Upper
167	100		
166	20.8	17.1	25.7
139	12.5	10.6	16.0

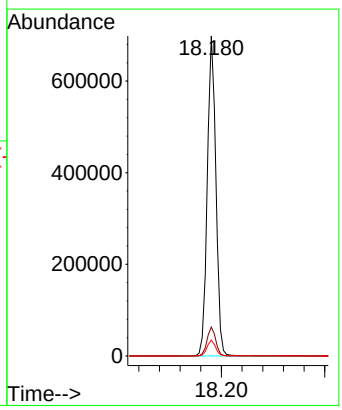


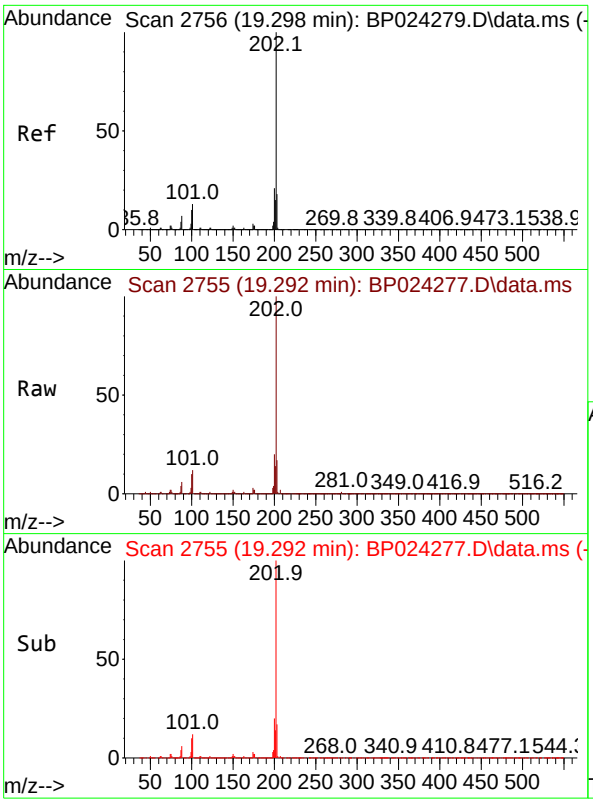


#74
Di-n-butylphthalate
Concen: 9.616 ng
RT: 18.180 min Scan# 2566
Delta R.T. 0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:149 Resp: 806280

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.2
104	4.9	3.9	5.9



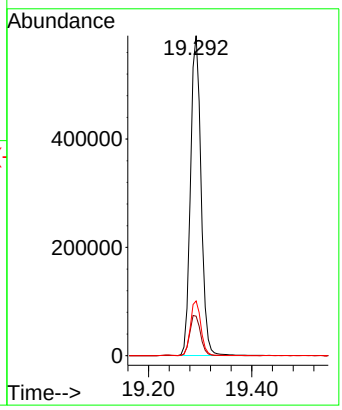


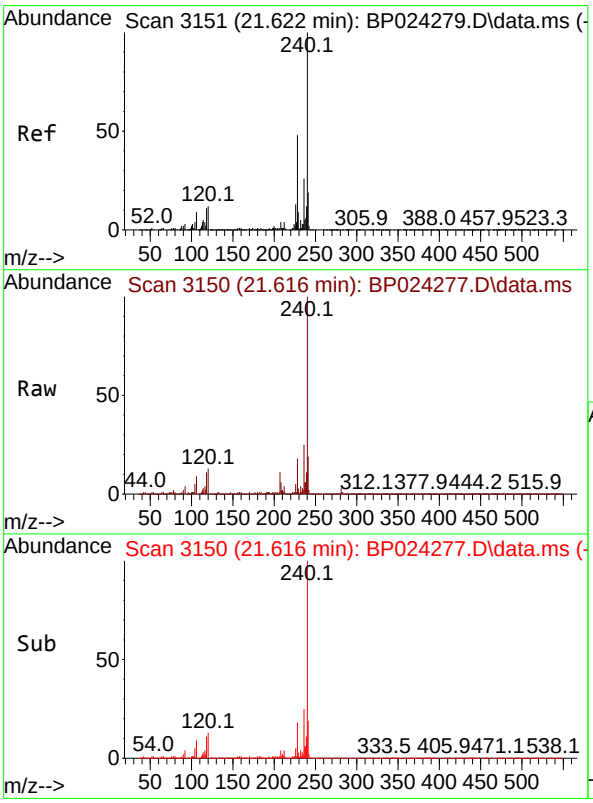
#75
Fluoranthene
Concen: 9.791 ng
RT: 19.292 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:202 Resp: 835153

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	33.2
203	17.1	0.0	37.7

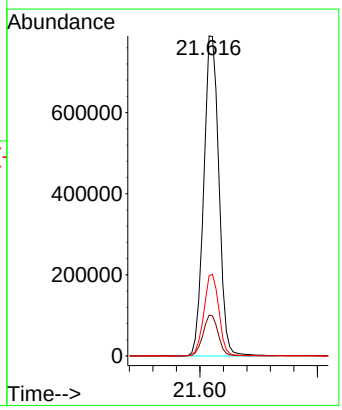


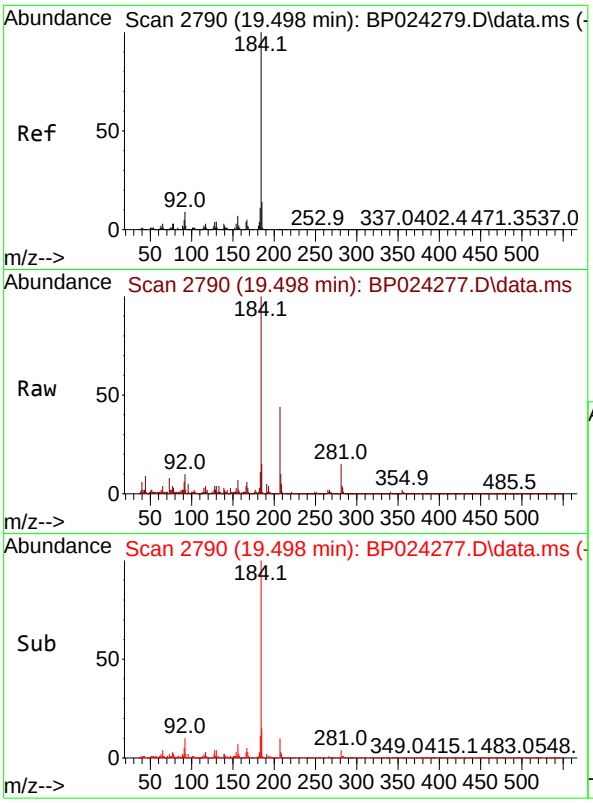


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.616 min Scan# 3150
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:240 Resp: 1408913

Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.8	14.8
236	25.0	20.9	31.3



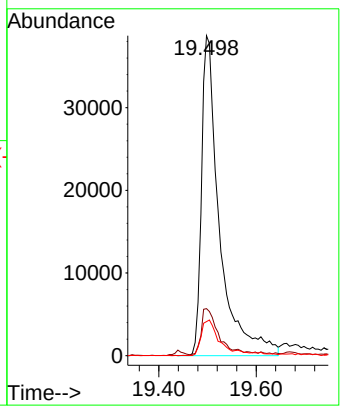


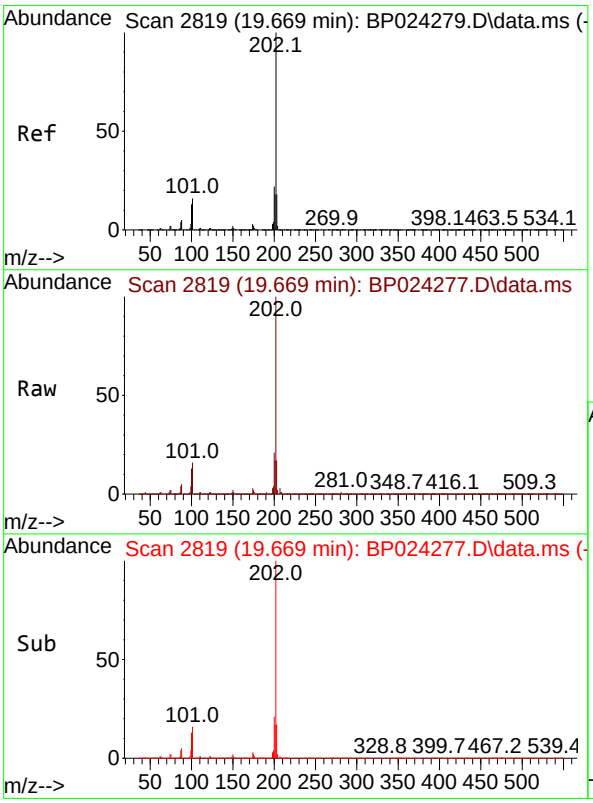
#77
Benzidine
Concen: 5.730 ng
RT: 19.498 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:184 Resp: 99659

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.6	17.4
183	10.6	9.2	13.8

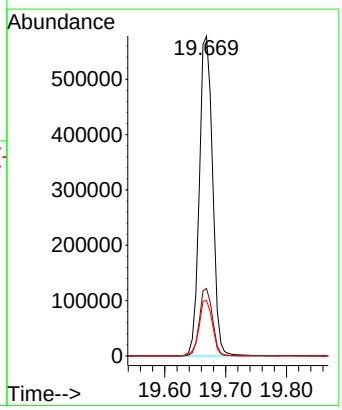


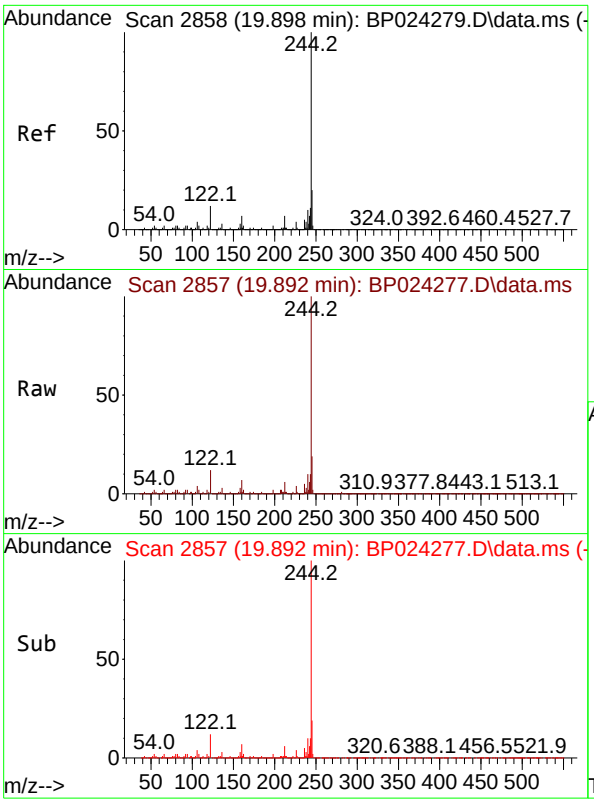


#78
Pyrene
Concen: 9.659 ng
RT: 19.669 min Scan# 2819
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:202 Resp: 870767

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.2	25.8
203	17.4	14.4	21.6



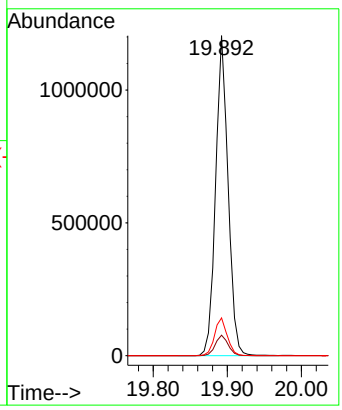


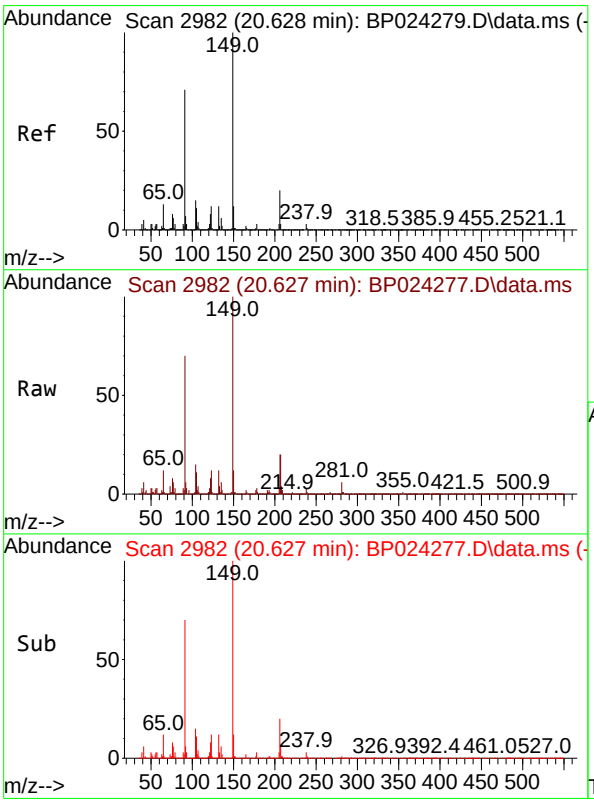
#79
Terphenyl-d14
Concen: 19.888 ng
RT: 19.892 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:244 Resp: 1405643

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.6	8.4
122	11.8	9.4	14.0

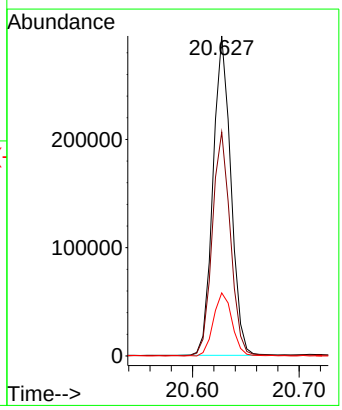


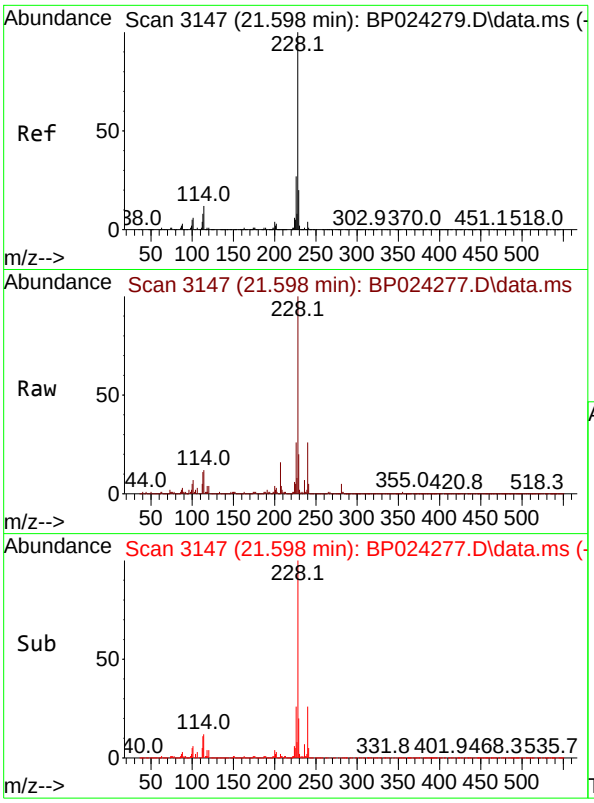


#80
Butylbenzylphthalate
Concen: 9.043 ng
RT: 20.627 min Scan# 2982
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:149 Resp: 343670

Ion	Ratio	Lower	Upper
149	100		
91	69.9	56.4	84.6
206	19.7	16.3	24.5



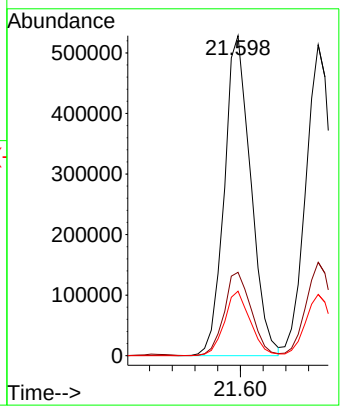


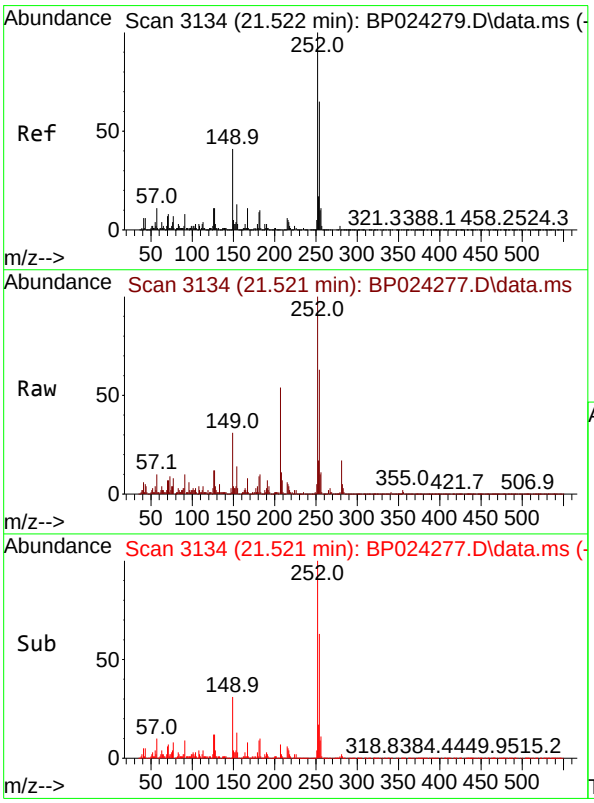
#81
Benzo(a)anthracene
Concen: 9.734 ng
RT: 21.598 min Scan# 31
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 854983

Ion	Ratio	Lower	Upper
228	100		
226	26.1	21.8	32.8
229	20.2	15.9	23.9

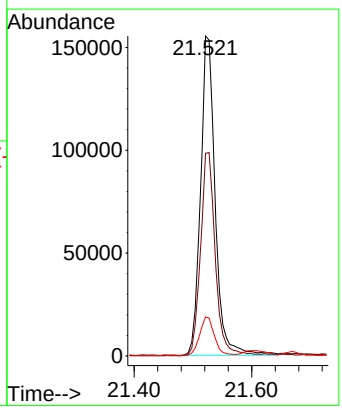


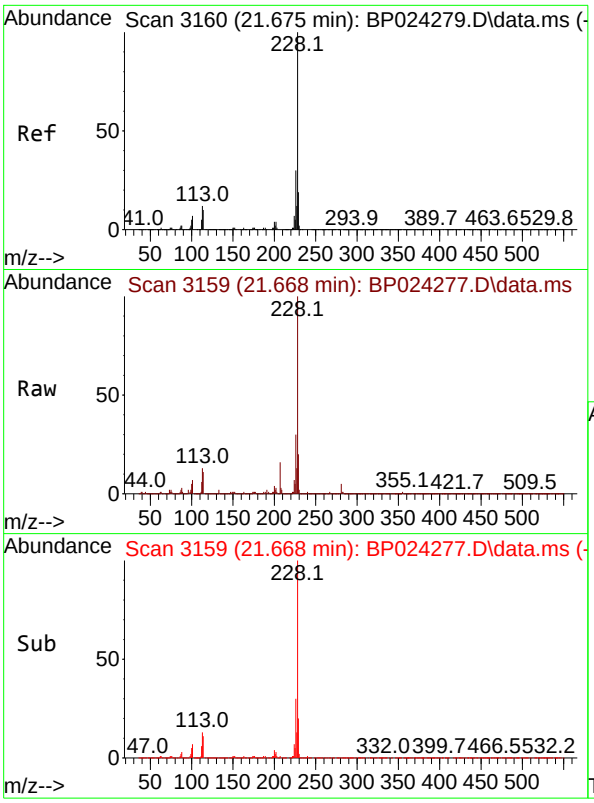


#82
3,3'-Dichlorobenzidine
Concen: 8.857 ng
RT: 21.521 min Scan# 3134
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:252 Resp: 269772

Ion	Ratio	Lower	Upper
252	100		
254	63.4	51.7	77.5
126	12.2	8.8	13.2



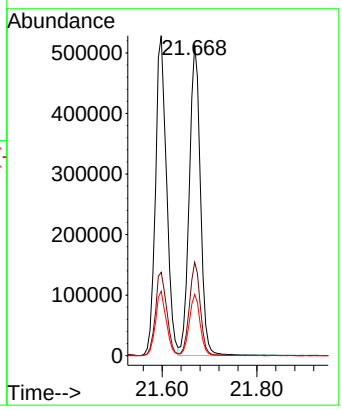


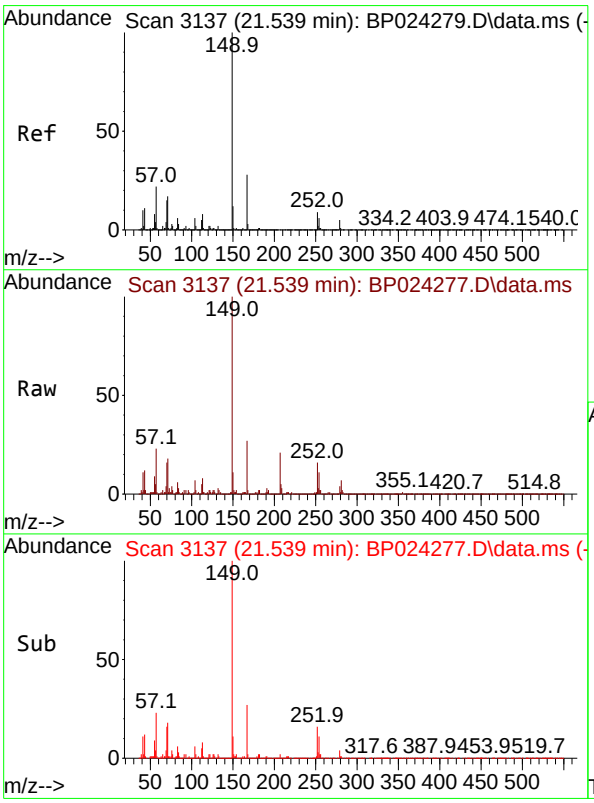
#83
Chrysene
Concen: 9.887 ng
RT: 21.668 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 832263

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.2	36.2
229	19.7	15.6	23.4

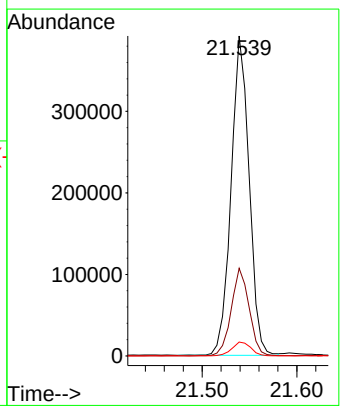


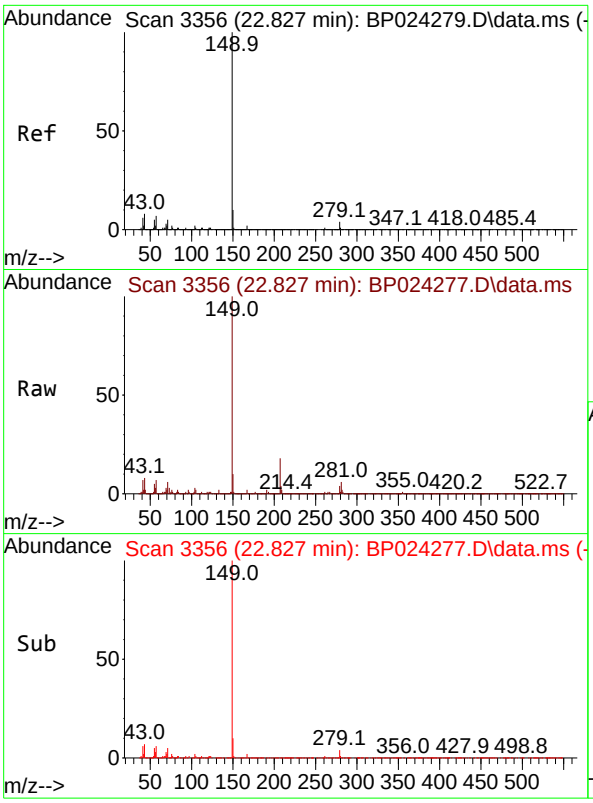


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.253 ng
RT: 21.539 min Scan# 3137
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:149 Resp: 517894

Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.4	33.6
279	4.4	4.0	6.0



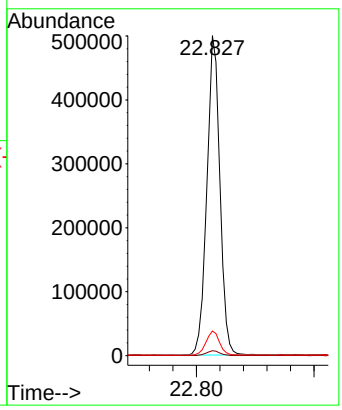


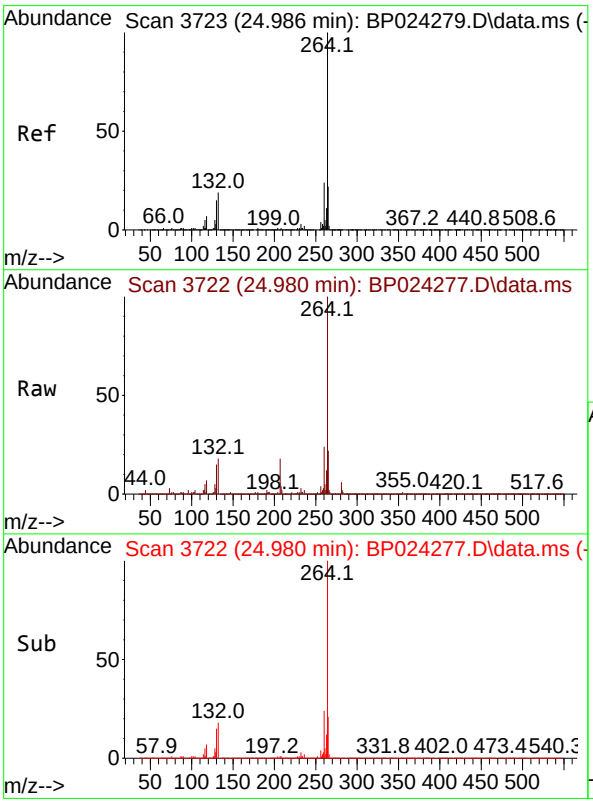
#85
Di-n-octyl phthalate
Concen: 8.584 ng
RT: 22.827 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:149 Resp: 769654

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.9	6.0	9.0

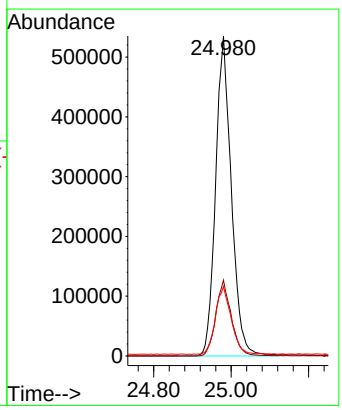


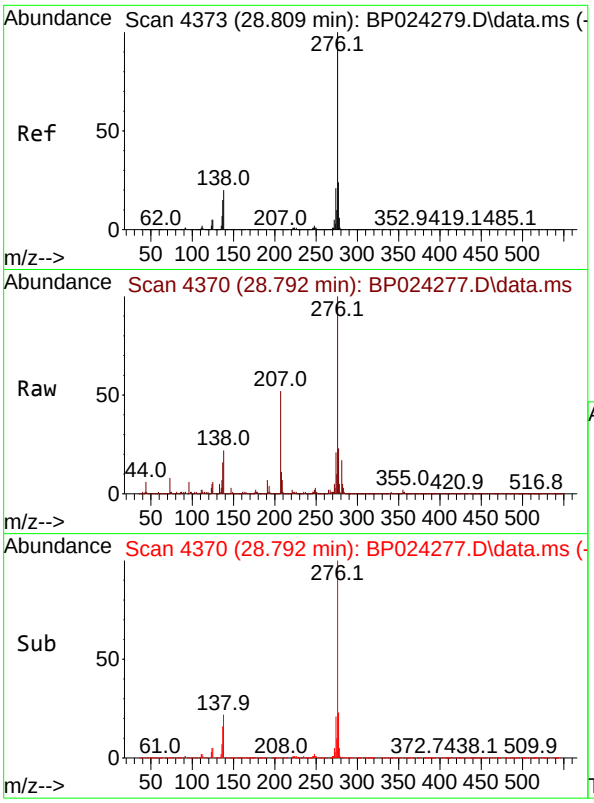


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.980 min Scan# 3722
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:264 Resp: 1508235

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.9	28.3
265	21.8	17.8	26.6



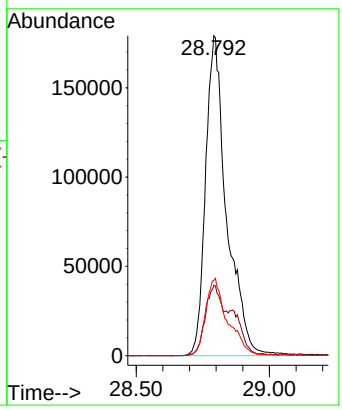


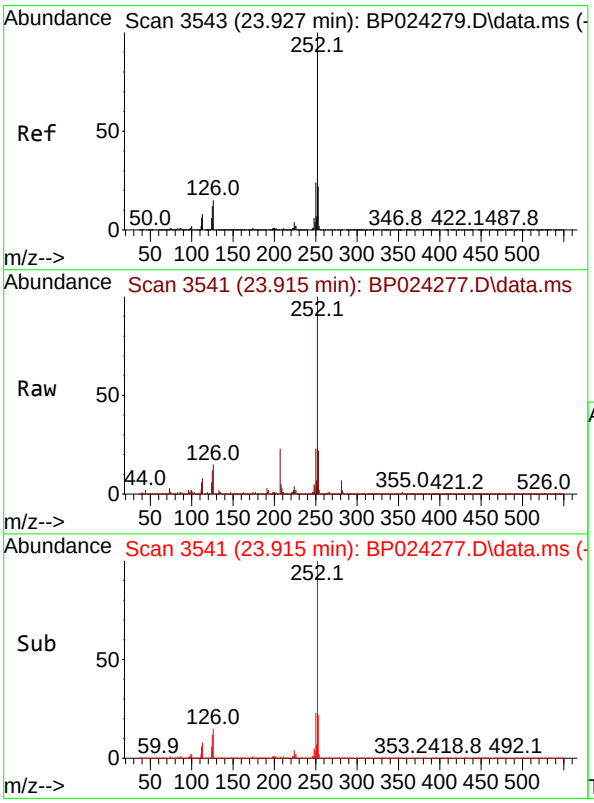
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.480 ng
RT: 28.792 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:276 Resp: 983323

Ion	Ratio	Lower	Upper
276	100		
138	19.2	14.5	21.7
277	25.4	20.2	30.2

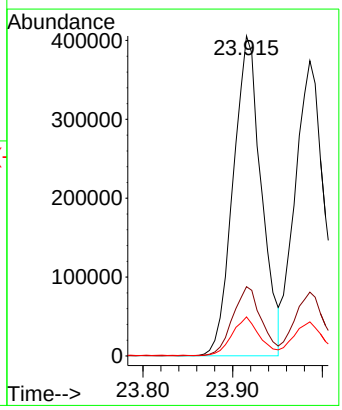


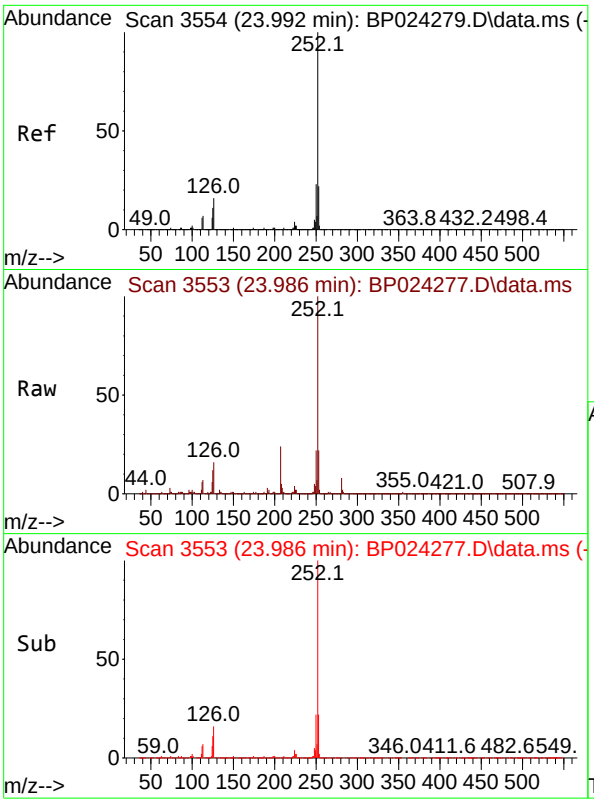


#88
Benzo(b)fluoranthene
Concen: 9.810 ng
RT: 23.915 min Scan# 3541
Delta R.T. -0.012 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:252 Resp: 885212

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	12.2	9.4	14.0



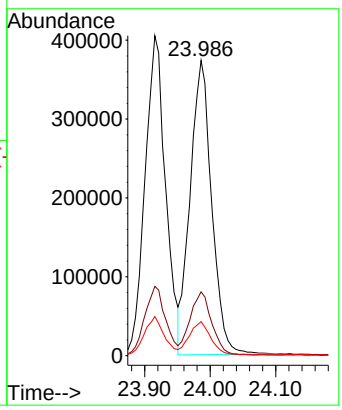


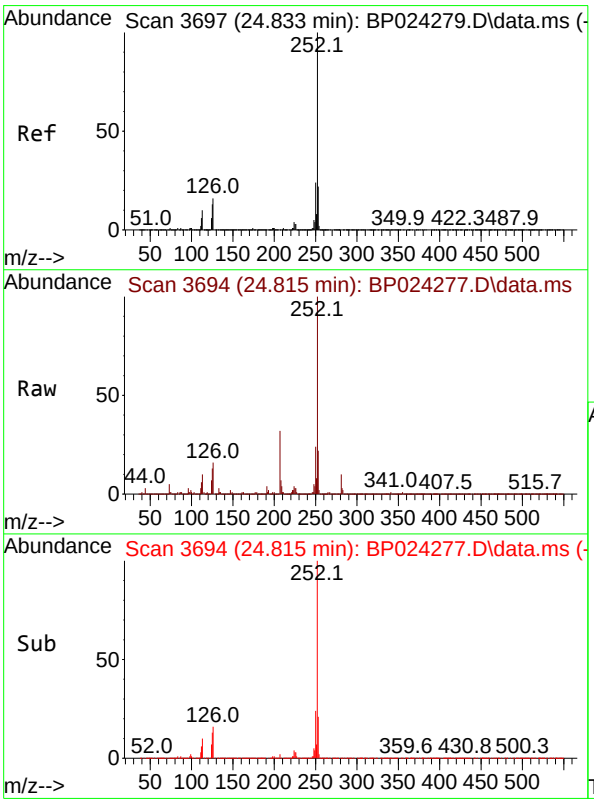
#89
Benzo(k)fluoranthene
Concen: 9.735 ng
RT: 23.986 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:252 Resp: 852606

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	11.5	9.1	13.7

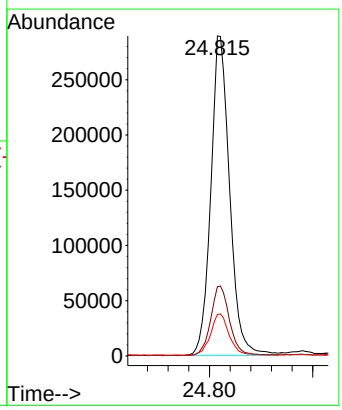


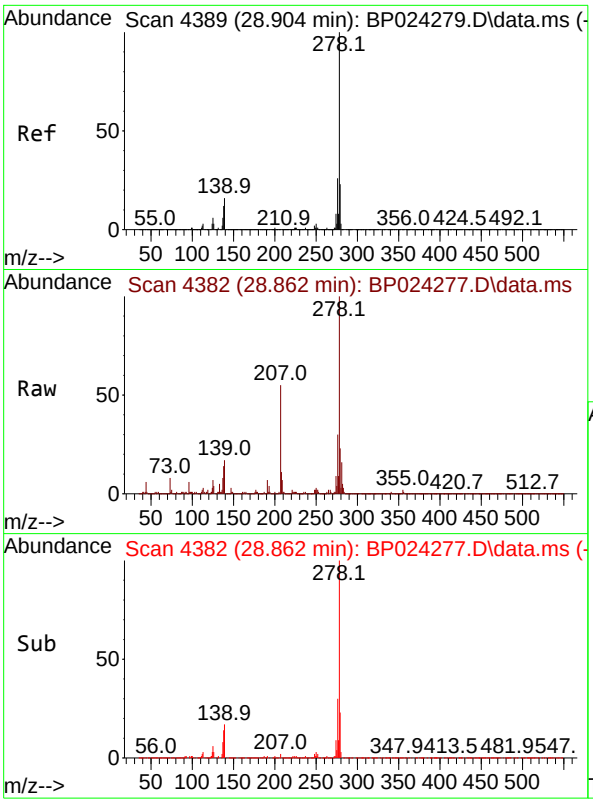


#90
Benzo(a)pyrene
Concen: 9.426 ng
RT: 24.815 min Scan# 3694
Delta R.T. -0.018 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:252 Resp: 732209

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.6	26.4
125	13.0	10.1	15.1



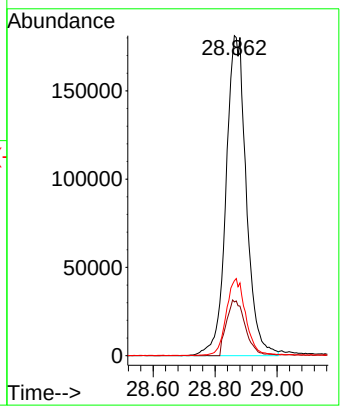


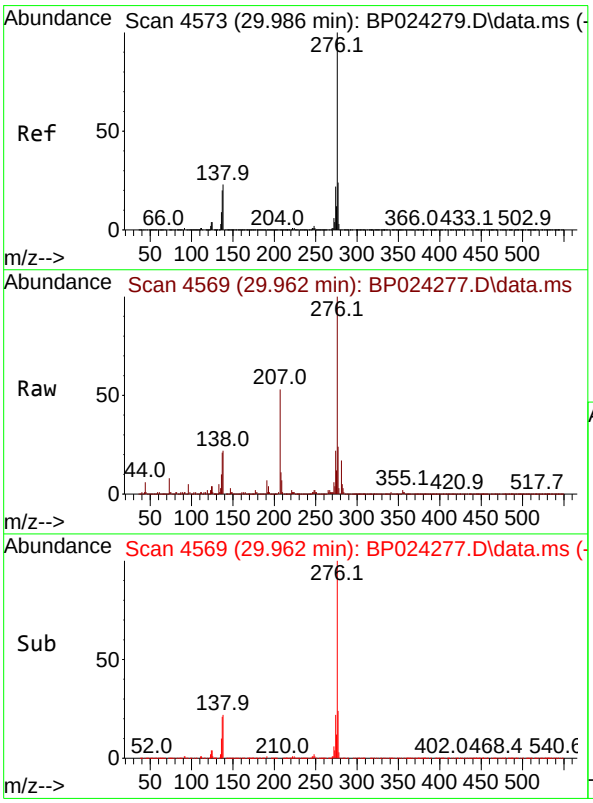
#91
Dibenzo(a,h)anthracene
Concen: 9.517 ng
RT: 28.862 min Scan# 4
Delta R.T. -0.041 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 821160

Ion	Ratio	Lower	Upper
278	100		
139	16.8	12.6	19.0
279	23.4	18.5	27.7

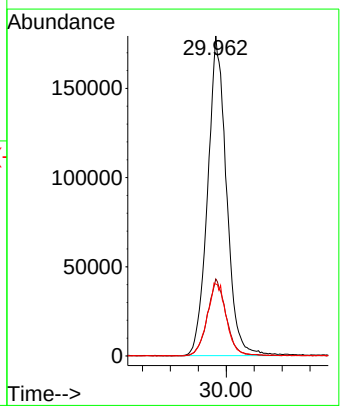




#92
Benzo(g,h,i)perylene
Concen: 9.530 ng
RT: 29.962 min Scan# 4569
Delta R.T. -0.024 min
Lab File: BP024277.D
Acq: 14 Apr 2025 12:27

Tgt Ion:276 Resp: 836993

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.9	28.3
138	22.5	18.7	28.1



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024278.D
Acq On : 14 Apr 2025 13:08
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Quant Time: Apr 14 17:26:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.734	152	251998	20.000	ng	0.00
21) Naphthalene-d8	10.505	136	1081087	20.000	ng	0.00
39) Acenaphthene-d10	14.369	164	688775	20.000	ng	0.00
64) Phenanthrene-d10	17.169	188	1378480	20.000	ng	0.00
76) Chrysene-d12	21.616	240	1415765	20.000	ng	0.00
86) Perylene-d12	24.986	264	1549781	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	636245	41.668	ng	0.00
7) Phenol-d6	6.911	99	866004	41.458	ng	0.00
23) Nitrobenzene-d5	8.875	82	794485	41.839	ng	0.00
42) 2,4,6-Tribromophenol	15.875	330	383088	40.617	ng	0.00
45) 2-Fluorobiphenyl	12.975	172	1871534	41.254	ng	0.00
79) Terphenyl-d14	19.898	244	2987245	42.062	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.293	88	139222	21.358	ng	99
3) Pyridine	3.693	79	358370	21.120	ng	99
4) n-Nitrosodimethylamine	3.599	42	118077	20.869	ng	98
6) Aniline	7.069	93	412168	21.857	ng	99
8) 2-Chlorophenol	7.305	128	355815	20.852	ng	99
9) Benzaldehyde	6.881	77	237371	21.940	ng	100
10) Phenol	6.940	94	433531	20.670	ng	98
11) bis(2-Chloroethyl)ether	7.164	93	352530	20.800	ng	100
12) 1,3-Dichlorobenzene	7.622	146	386470	20.903	ng	100
13) 1,4-Dichlorobenzene	7.763	146	390483	20.828	ng	100
14) 1,2-Dichlorobenzene	8.081	146	378518	20.880	ng	99
15) Benzyl Alcohol	7.969	79	278608	20.809	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.258	45	382308	20.734	ng	99
17) 2-Methylphenol	8.175	107	283057	20.942	ng	99
18) Hexachloroethane	8.805	117	140558	20.773	ng	99
19) n-Nitroso-di-n-propyla...	8.528	70	274118	21.127	ng	100
20) 3+4-Methylphenols	8.499	107	393131	20.999	ng	99
22) Acetophenone	8.546	105	563994	20.991	ng	99
24) Nitrobenzene	8.916	77	390911	20.770	ng	98
25) Isophorone	9.446	82	705771	20.588	ng	98
26) 2-Nitrophenol	9.628	139	185740	20.553	ng	99
27) 2,4-Dimethylphenol	9.687	122	236436	20.643	ng	98
28) bis(2-Chloroethoxy)met...	9.916	93	480036	20.575	ng	100
29) 2,4-Dichlorophenol	10.163	162	320579	20.536	ng	99
30) 1,2,4-Trichlorobenzene	10.369	180	343641	20.348	ng	99
31) Naphthalene	10.557	128	1179848	20.618	ng	100
32) Benzoic acid	9.805	122	224628	18.149	ng	99
33) 4-Chloroaniline	10.669	127	420086	21.010	ng	100
34) Hexachlorobutadiene	10.846	225	200785	20.267	ng	99
35) Caprolactam	11.446	113	119912	20.922	ng	98
36) 4-Chloro-3-methylphenol	11.799	107	377768	20.767	ng	99
37) 2-Methylnaphthalene	12.169	142	816314	20.583	ng	100
38) 1-Methylnaphthalene	12.387	142	796550	20.503	ng	100
40) 1,2,4,5-Tetrachloroben...	12.540	216	391241	20.669	ng	100
41) Hexachlorocyclopentadiene	12.522	237	135654	20.414	ng	97
43) 2,4,6-Trichlorophenol	12.787	196	254189	20.410	ng	97

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024278.D
Acq On : 14 Apr 2025 13:08
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Quant Time: Apr 14 17:26:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.863	196	281887	20.424	ng	99
46) 1,1'-Biphenyl	13.187	154	1052618	20.694	ng	100
47) 2-Chloronaphthalene	13.228	162	782040	20.603	ng	99
48) 2-Nitroaniline	13.440	65	218194	20.811	ng	99
49) Acenaphthylene	14.087	152	1234728	20.726	ng	99
50) Dimethylphthalate	13.822	163	1029599	20.489	ng	100
51) 2,6-Dinitrotoluene	13.940	165	219492	20.731	ng	98
52) Acenaphthene	14.434	154	785789	20.741	ng	99
53) 3-Nitroaniline	14.269	138	233006	21.212	ng	99
54) 2,4-Dinitrophenol	14.481	184	112157	19.785	ng	94
55) Dibenzofuran	14.769	168	1288363	20.735	ng	99
56) 4-Nitrophenol	14.593	139	199315	21.109	ng	99
57) 2,4-Dinitrotoluene	14.734	165	302332	21.126	ng	98
58) Fluorene	15.428	166	1001515	20.876	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.998	232	262077	20.523	ng	99
60) Diethylphthalate	15.198	149	1052183	20.344	ng	100
61) 4-Chlorophenyl-phenyle...	15.422	204	481631	20.675	ng	98
62) 4-Nitroaniline	15.445	138	243257	20.888	ng	96
63) Azobenzene	15.722	77	995912	20.907	ng	100
65) 4,6-Dinitro-2-methylph...	15.510	198	162501	20.176	ng	98
66) n-Nitrosodiphenylamine	15.640	169	849476	20.552	ng	100
67) 4-Bromophenyl-phenylether	16.334	248	302601	20.125	ng	99
68) Hexachlorobenzene	16.451	284	358889	20.077	ng	100
69) Atrazine	16.616	200	184151	17.573	ng	98
70) Pentachlorophenol	16.810	266	241815	19.702	ng	98
71) Phenanthrene	17.210	178	1540112	20.378	ng	100
72) Anthracene	17.298	178	1494006	20.543	ng	99
73) Carbazole	17.581	167	1461729	20.653	ng	100
74) Di-n-butylphthalate	18.175	149	1727074	19.585	ng	100
75) Fluoranthene	19.292	202	1813662	20.218	ng	99
77) Benzidine	19.498	184	154964	8.867	ng	99
78) Pyrene	19.669	202	1904884	21.028	ng	99
80) Butylbenzylphthalate	20.633	149	772776	20.235	ng	96
81) Benzo(a)anthracene	21.598	228	1829798	20.732	ng	99
82) 3,3'-Dichlorobenzidine	21.527	252	610749	19.956	ng	99
83) Chrysene	21.669	228	1739548	20.565	ng	99
84) Bis(2-ethylhexyl)phtha...	21.545	149	1103263	19.616	ng	99
85) Di-n-octyl phthalate	22.827	149	1730436	19.207	ng	100
87) Indeno(1,2,3-cd)pyrene	28.792	276	2180177	20.454	ng	99
88) Benzo(b)fluoranthene	23.916	252	1885654	20.337	ng	99
89) Benzo(k)fluoranthene	23.980	252	1885747	20.955	ng	99
90) Benzo(a)pyrene	24.816	252	1637648	20.518	ng	98
91) Dibenzo(a,h)anthracene	28.868	278	1815743	20.480	ng	98
92) Benzo(g,h,i)perylene	29.951	276	1856380	20.571	ng	99

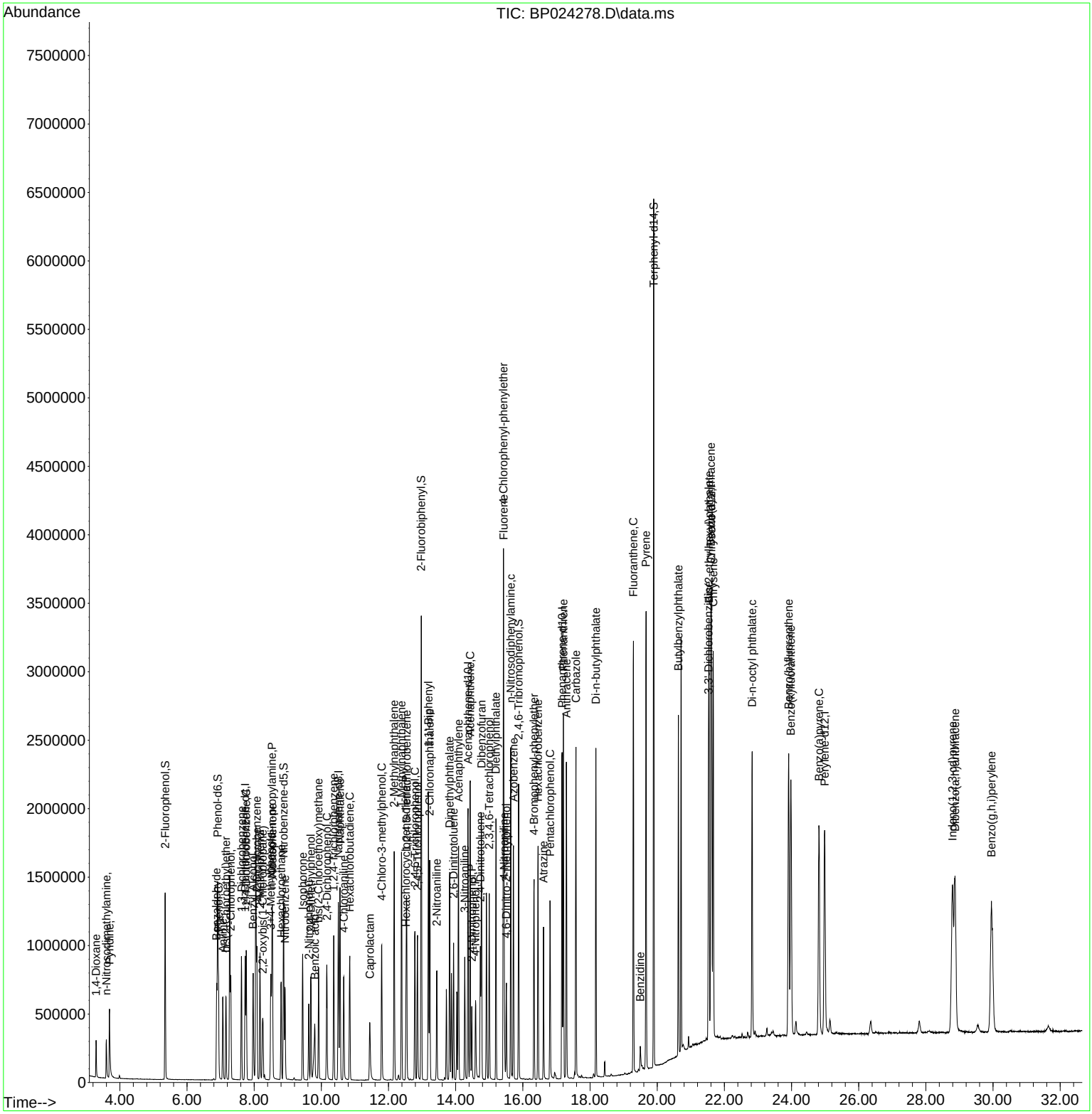
(#) = qualifier out of range (m) = manual integration (+) = signals summed

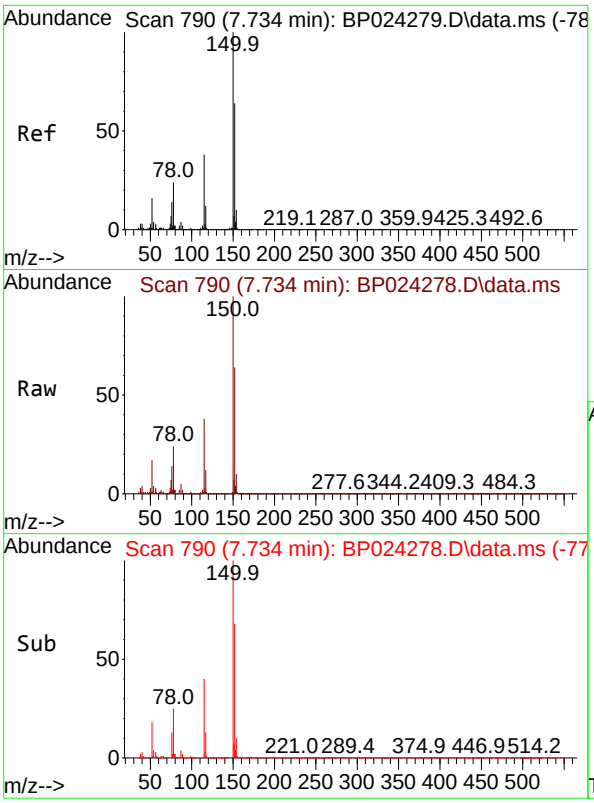
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024278.D
Acq On : 14 Apr 2025 13:08
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Quant Time: Apr 14 17:26:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration



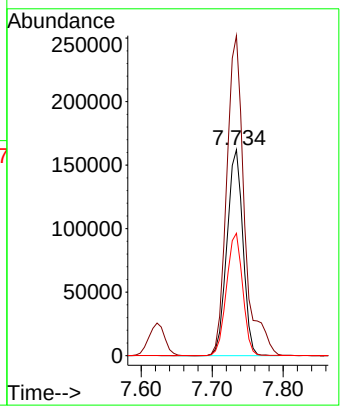


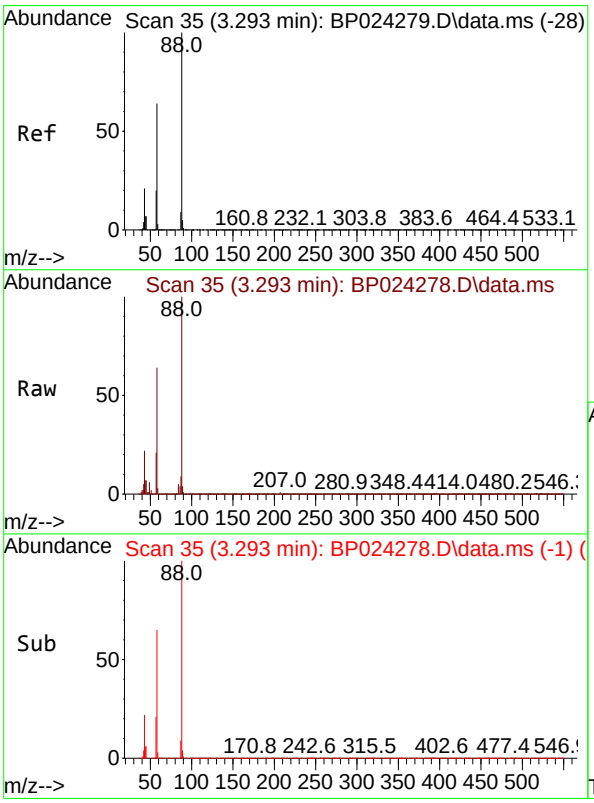
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.734 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 251998

Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.9	187.3
115	59.4	47.7	71.5

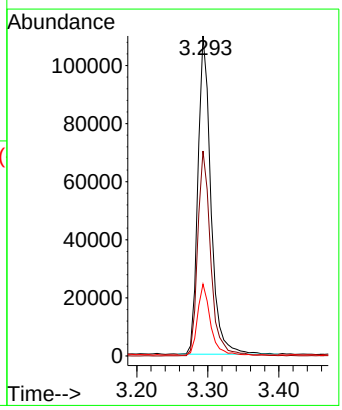


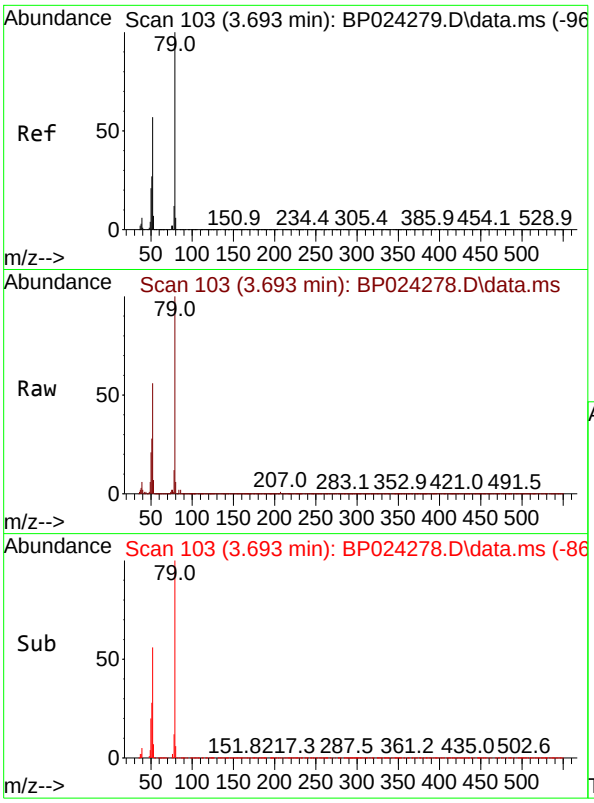


#2
1,4-Dioxane
Concen: 21.358 ng
RT: 3.293 min Scan# 35
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion: 88 Resp: 139222

Ion	Ratio	Lower	Upper
88	100		
58	64.8	51.4	77.2
43	22.2	17.1	25.7



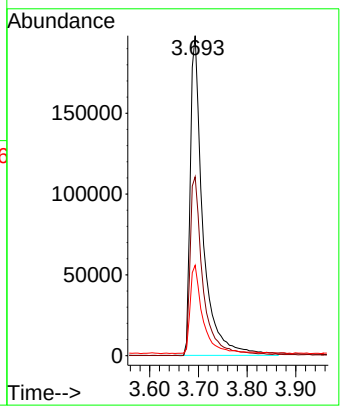


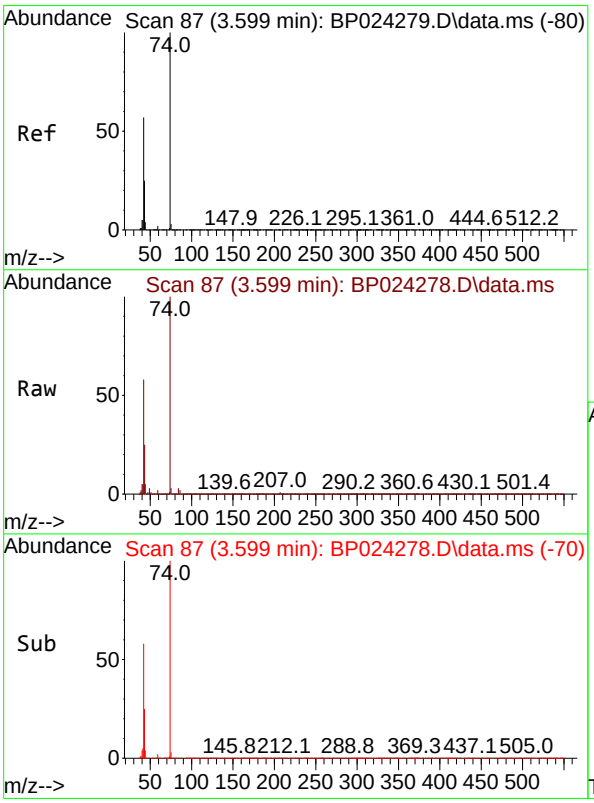
#3
Pyridine
Concen: 21.120 ng
RT: 3.693 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 358370

Ion	Ratio	Lower	Upper
79	100		
52	55.9	45.4	68.2
51	28.3	22.6	33.8

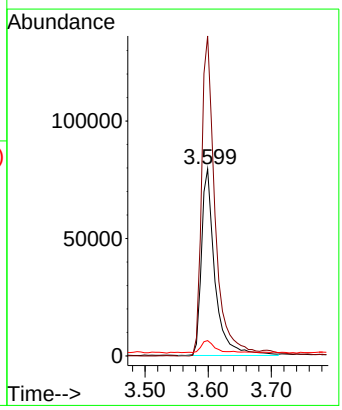


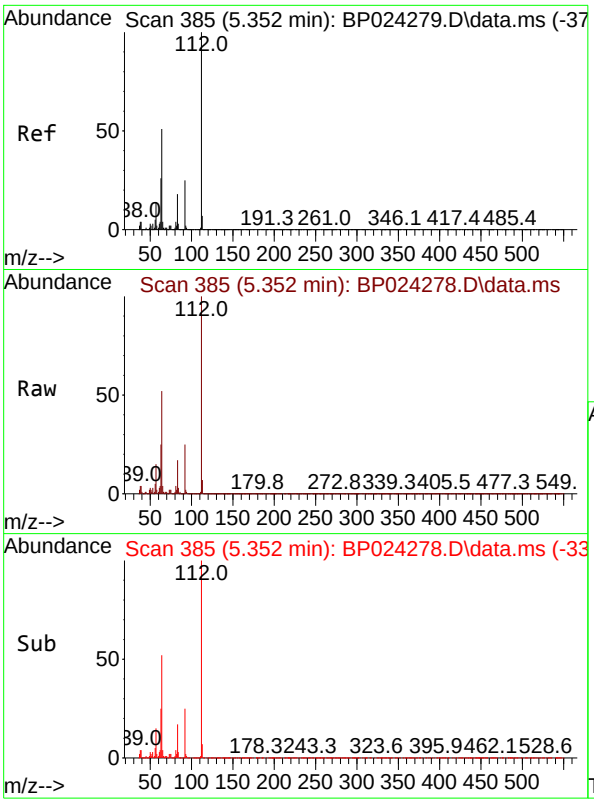


#4
n-Nitrosodimethylamine
Concen: 20.869 ng
RT: 3.599 min Scan# 87
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion: 42 Resp: 118077

Ion	Ratio	Lower	Upper
42	100		
74	171.1	139.5	209.3
44	8.3	5.8	8.8



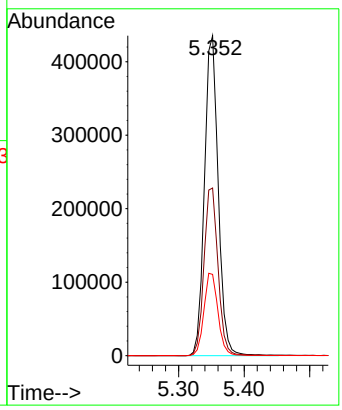


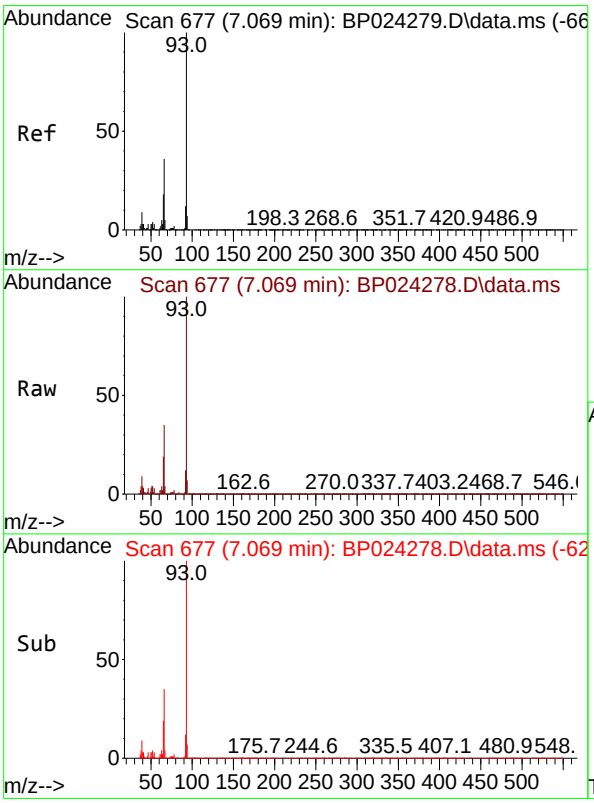
#5
2-Fluorophenol
Concen: 41.668 ng
RT: 5.352 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 636245

Ion	Ratio	Lower	Upper
112	100		
64	52.4	41.1	61.7
63	25.4	20.6	30.8

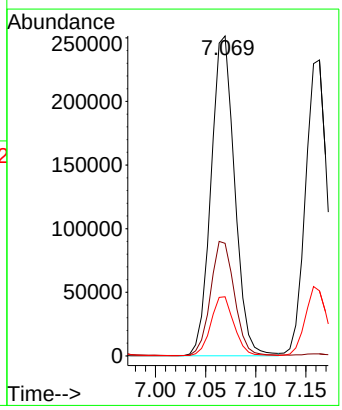


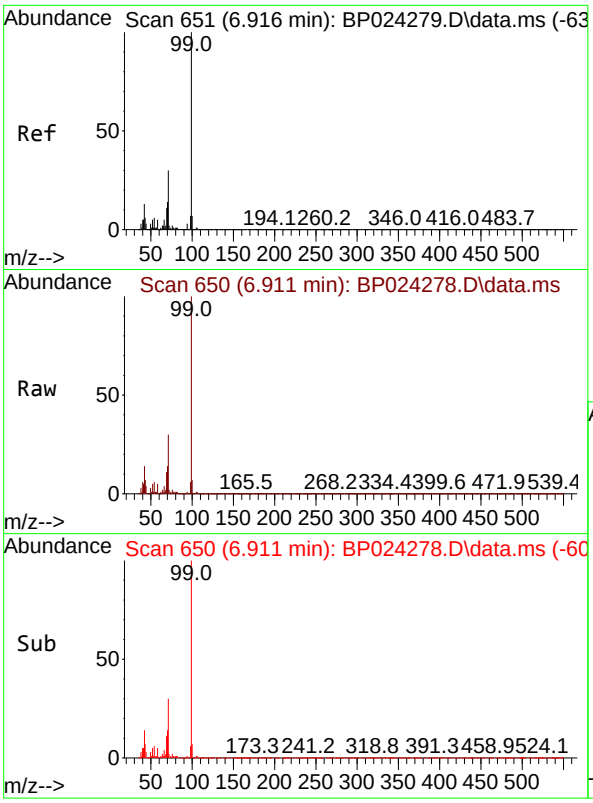


#6
Aniline
Concen: 21.857 ng
RT: 7.069 min Scan# 677
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion: 93 Resp: 412168

Ion	Ratio	Lower	Upper
93	100		
66	35.2	29.1	43.7
65	18.5	14.7	22.1



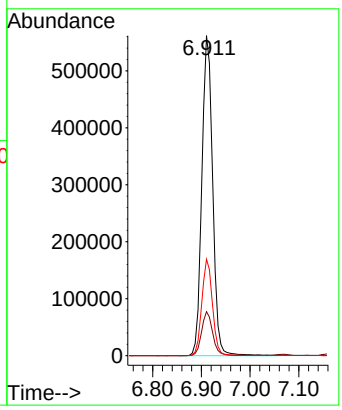


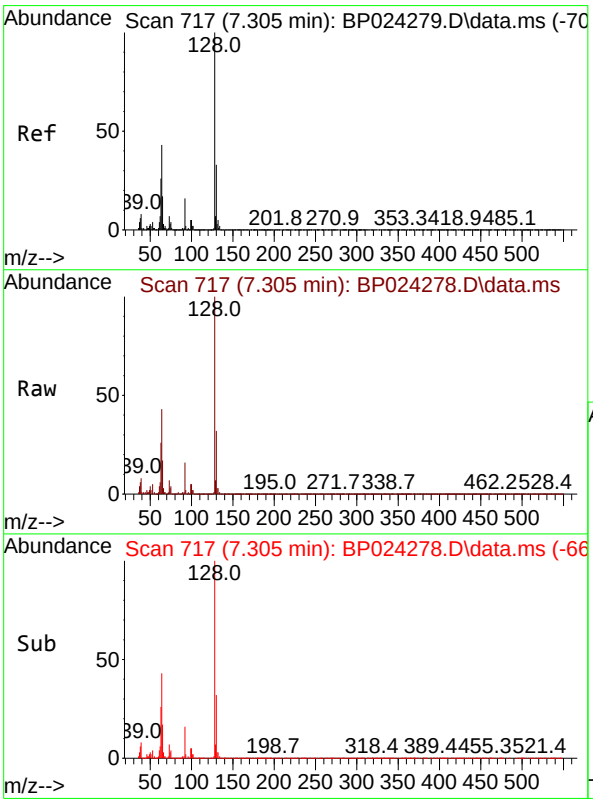
#7
Phenol-d6
Concen: 41.458 ng
RT: 6.911 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 866004

Ion	Ratio	Lower	Upper
99	100		
42	13.7	10.6	16.0
71	30.2	23.7	35.5

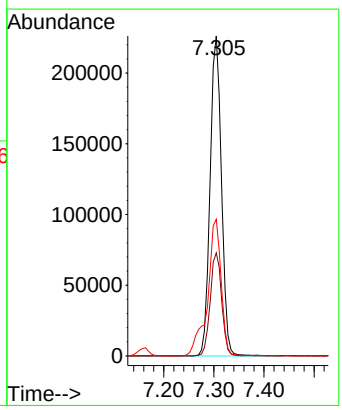


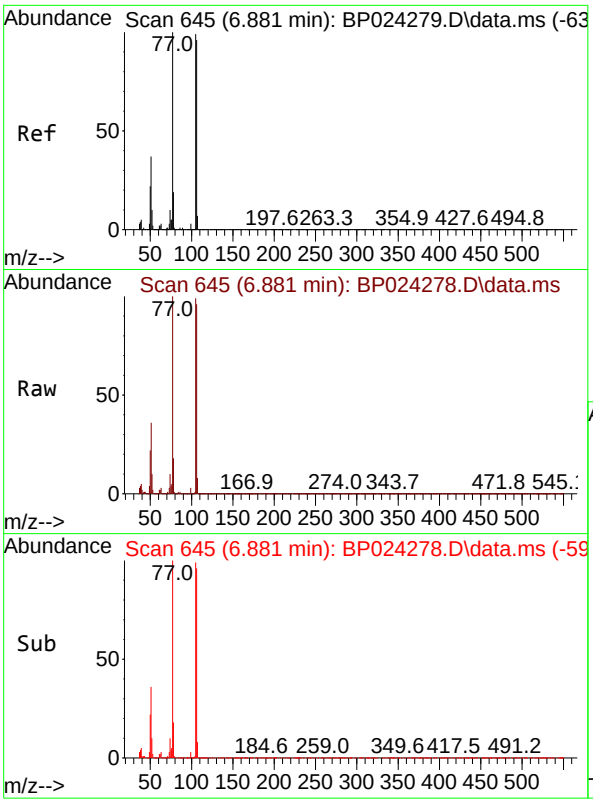


#8
2-Chlorophenol
Concen: 20.852 ng
RT: 7.305 min Scan# 717
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:128 Resp: 355815

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.9	52.9
64	42.7	22.7	62.7



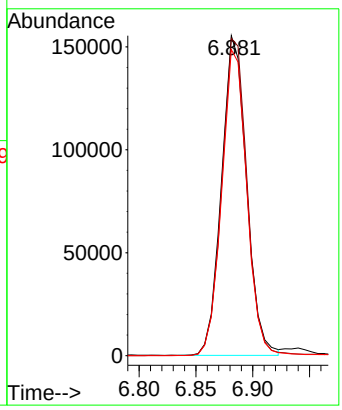


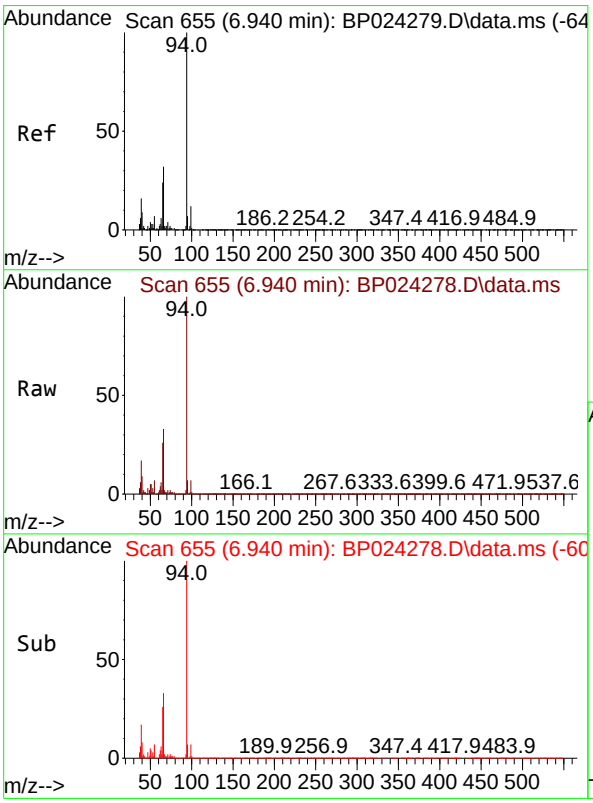
#9
Benzaldehyde
Concen: 21.940 ng
RT: 6.881 min Scan# 64
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 237371

Ion	Ratio	Lower	Upper
77	100		
105	99.1	79.2	119.2
106	95.6	76.2	116.2

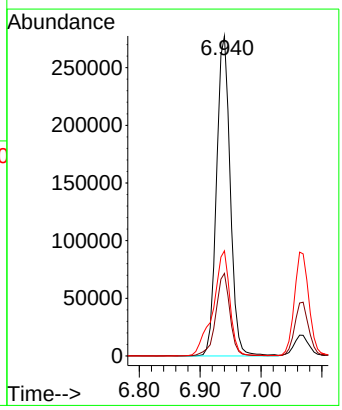


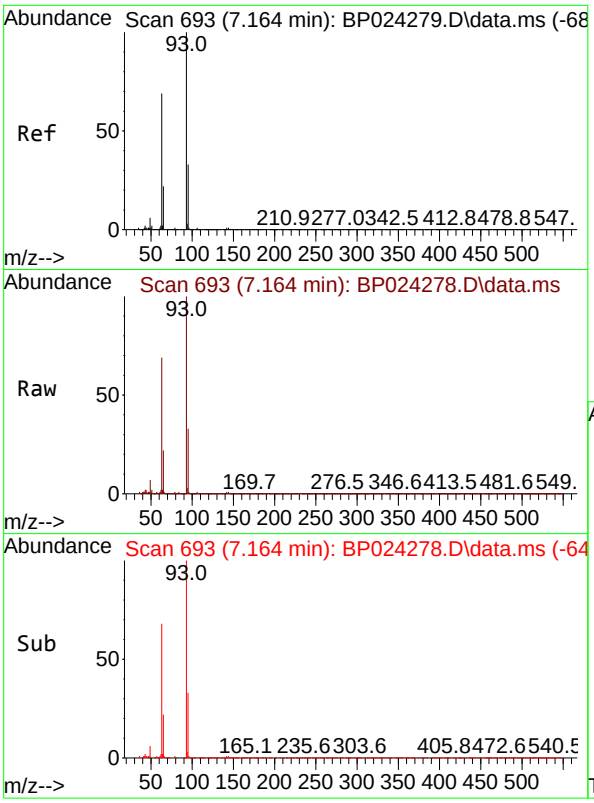


#10
Phenol
Concen: 20.670 ng
RT: 6.940 min Scan# 655
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion: 94 Resp: 433531

Ion	Ratio	Lower	Upper
94	100		
65	25.8	4.5	44.5
66	32.8	12.4	52.4



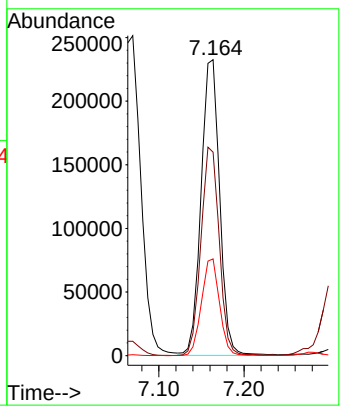


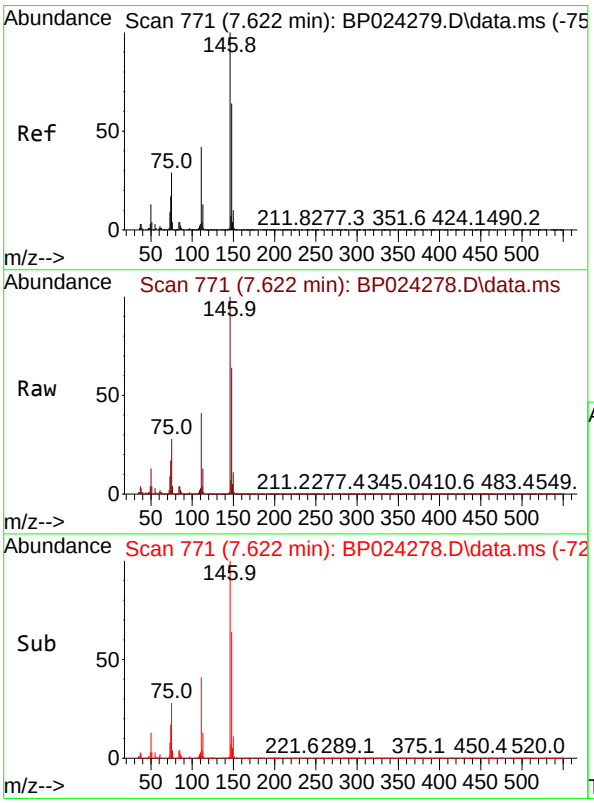
#11
bis(2-Chloroethyl)ether
Concen: 20.800 ng
RT: 7.164 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 352530

Ion	Ratio	Lower	Upper
93	100		
63	68.7	48.6	88.6
95	32.7	12.3	52.3

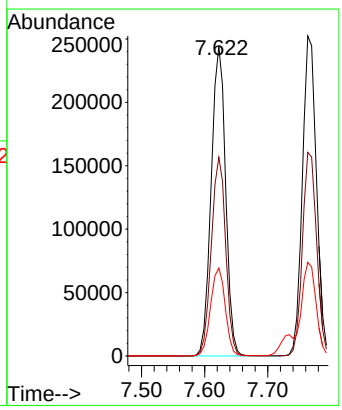


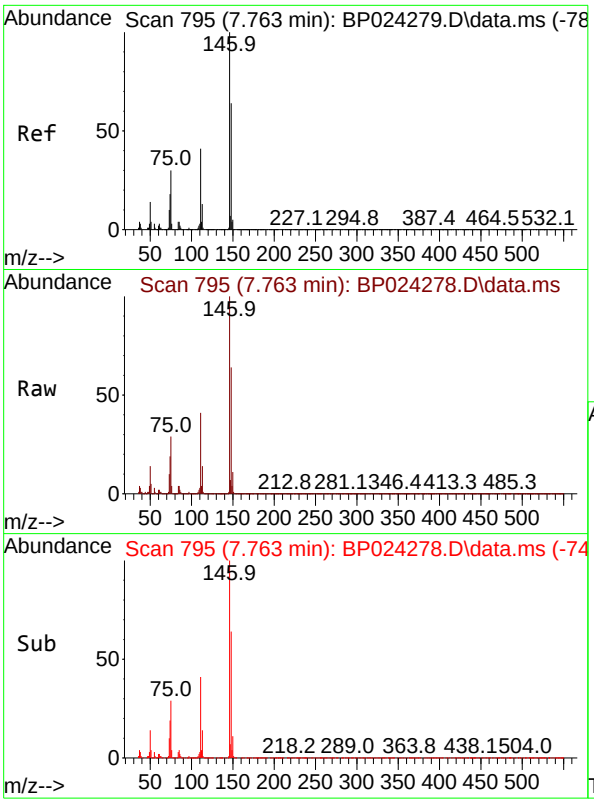


#12
1,3-Dichlorobenzene
Concen: 20.903 ng
RT: 7.622 min Scan# 771
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:146 Resp: 386470

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.4	77.0
75	28.4	22.9	34.3



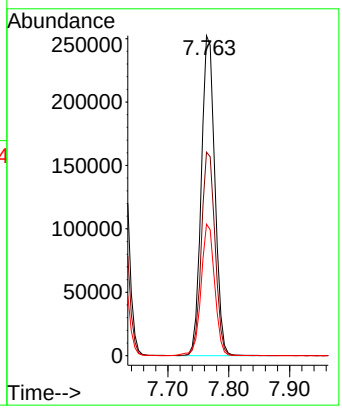


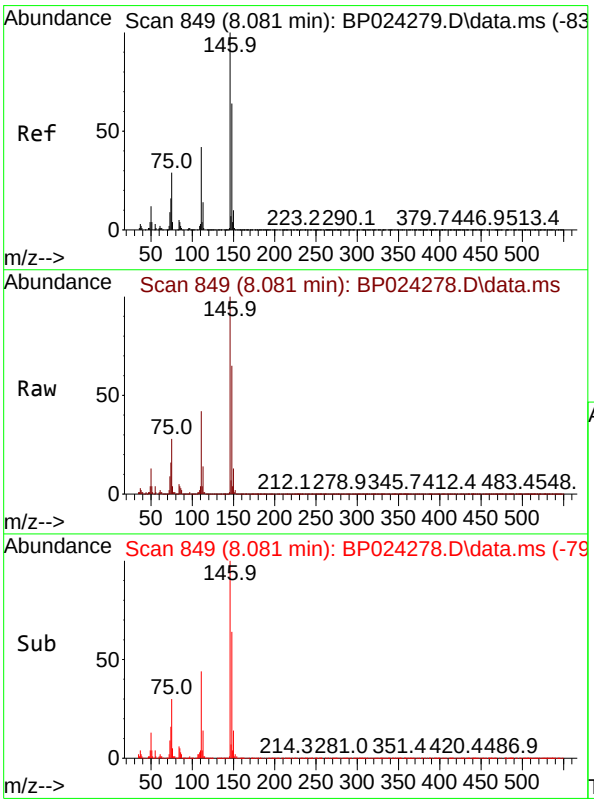
#13
1,4-Dichlorobenzene
Concen: 20.828 ng
RT: 7.763 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 390483

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.1	76.7
111	41.1	32.6	48.8

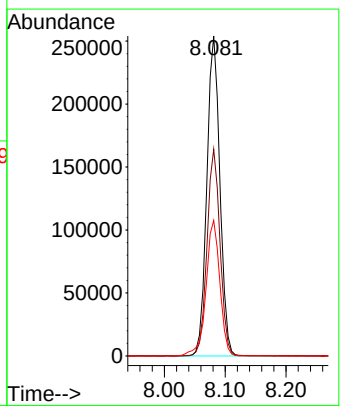


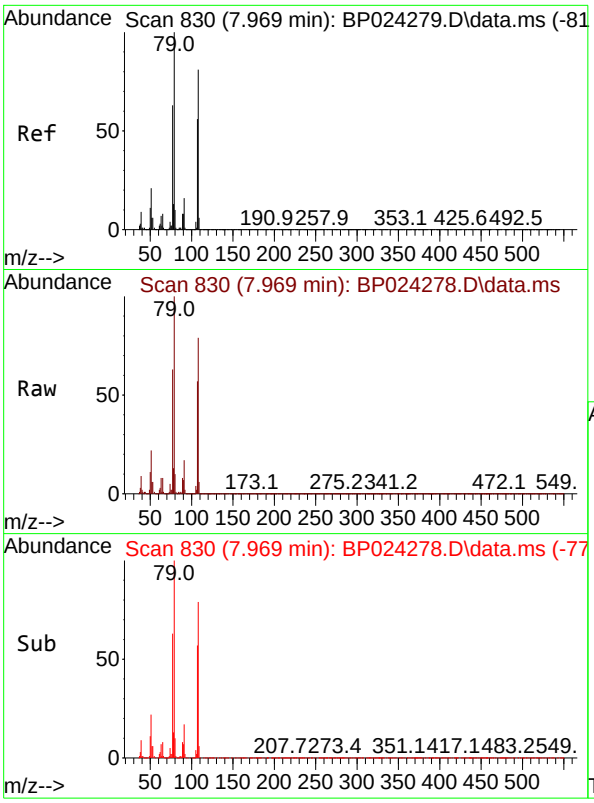


#14
1,2-Dichlorobenzene
Concen: 20.880 ng
RT: 8.081 min Scan# 849
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:146 Resp: 378518

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.0	76.4
111	42.3	33.8	50.8



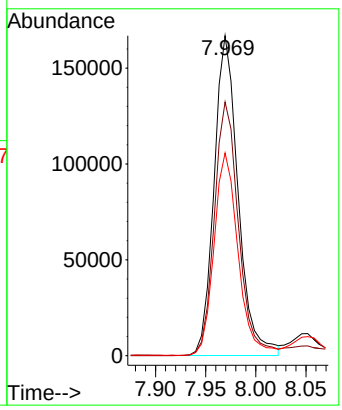


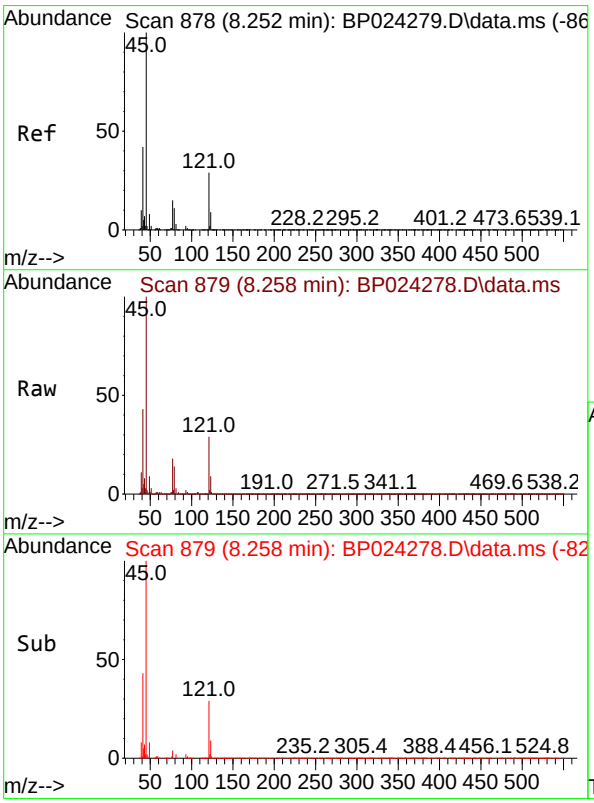
#15
Benzyl Alcohol
Concen: 20.809 ng
RT: 7.969 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 278608

Ion	Ratio	Lower	Upper
79	100		
108	79.3	65.1	97.7
77	63.4	50.7	76.1

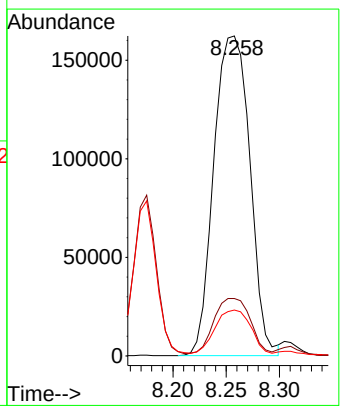


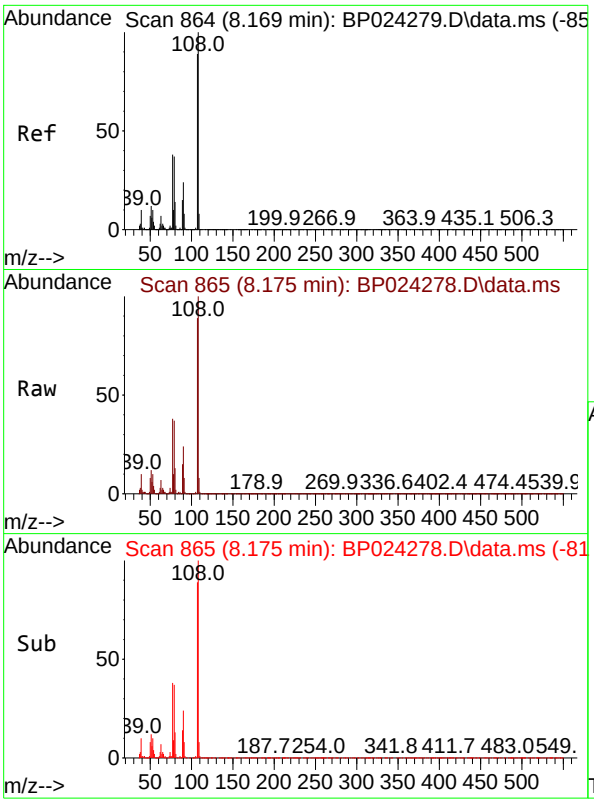


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.734 ng
RT: 8.258 min Scan# 879
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion: 45 Resp: 382308

Ion	Ratio	Lower	Upper
45	100		
77	18.0	0.0	37.7
79	14.4	0.0	33.5



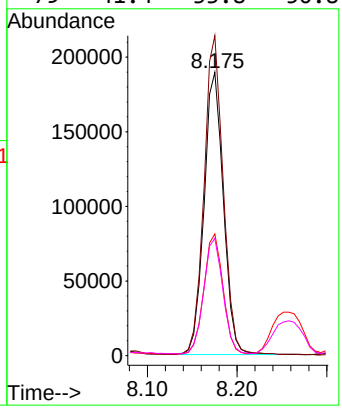


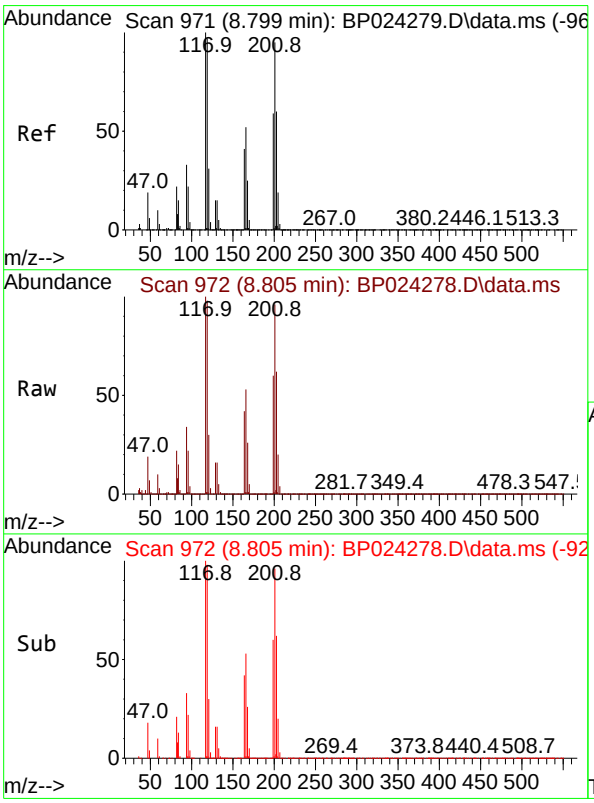
#17
2-Methylphenol
Concen: 20.942 ng
RT: 8.175 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 283057

Ion	Ratio	Lower	Upper
107	100		
108	112.9	89.8	134.6
77	43.0	34.2	51.4
79	41.4	33.8	50.8

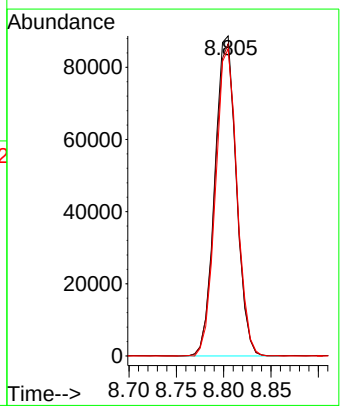


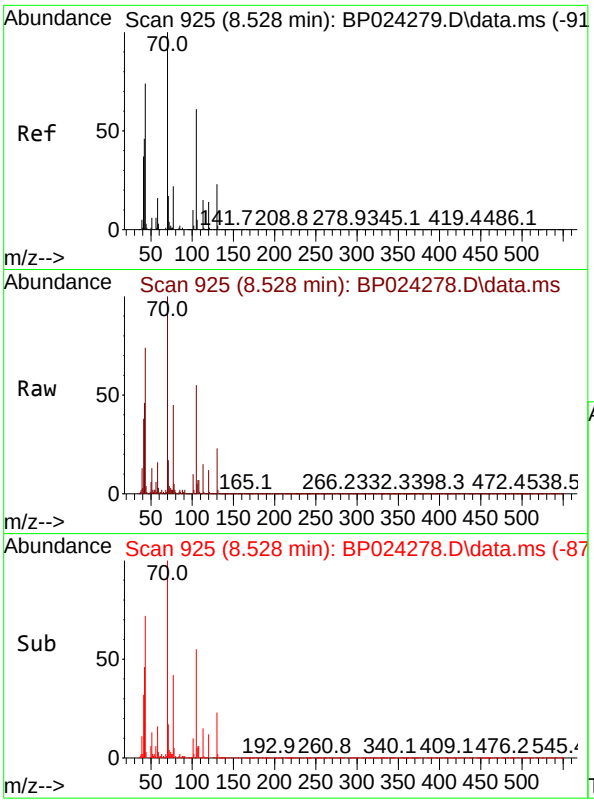


#18
Hexachloroethane
Concen: 20.773 ng
RT: 8.805 min Scan# 972
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:117 Resp: 140558

Ion	Ratio	Lower	Upper
117	100		
119	97.5	77.8	116.6
201	96.0	75.9	113.9



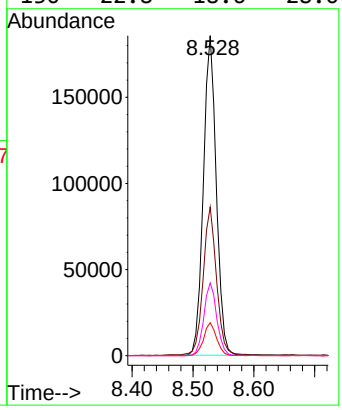


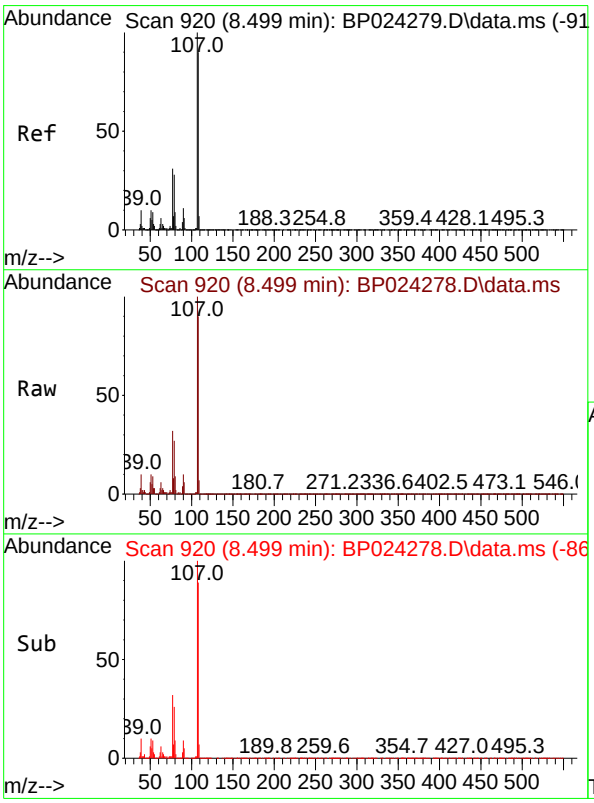
#19
n-Nitroso-di-n-propylamine
Concen: 21.127 ng
RT: 8.528 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 274118

Ion	Ratio	Lower	Upper
70	100		
42	46.5	37.3	55.9
101	10.3	8.2	12.4
130	22.8	18.6	28.0

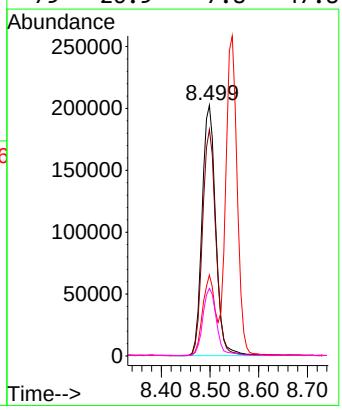


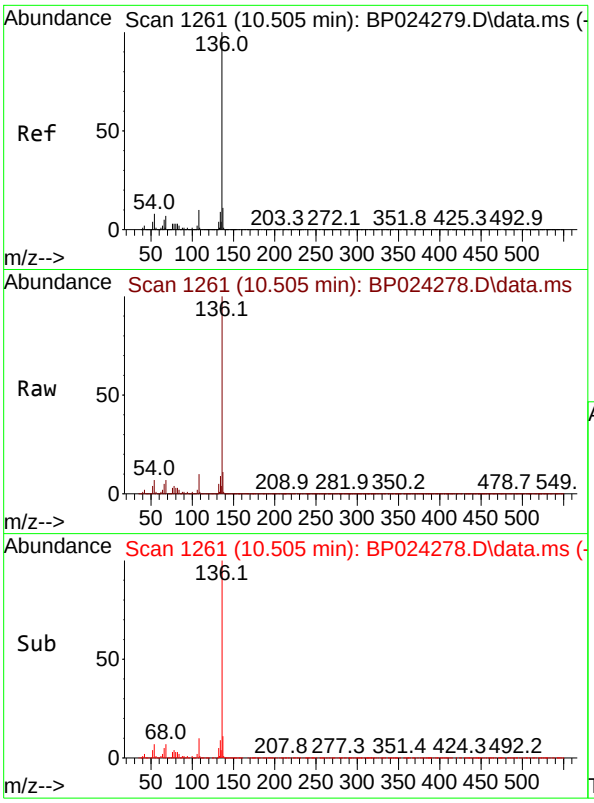


#20
3+4-Methylphenols
Concen: 20.999 ng
RT: 8.499 min Scan# 920
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:107 Resp: 393131

Ion	Ratio	Lower	Upper
107	100		
108	90.3	69.8	109.8
77	32.3	11.5	51.5
79	26.9	7.8	47.8



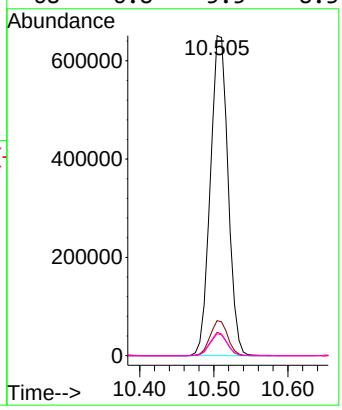


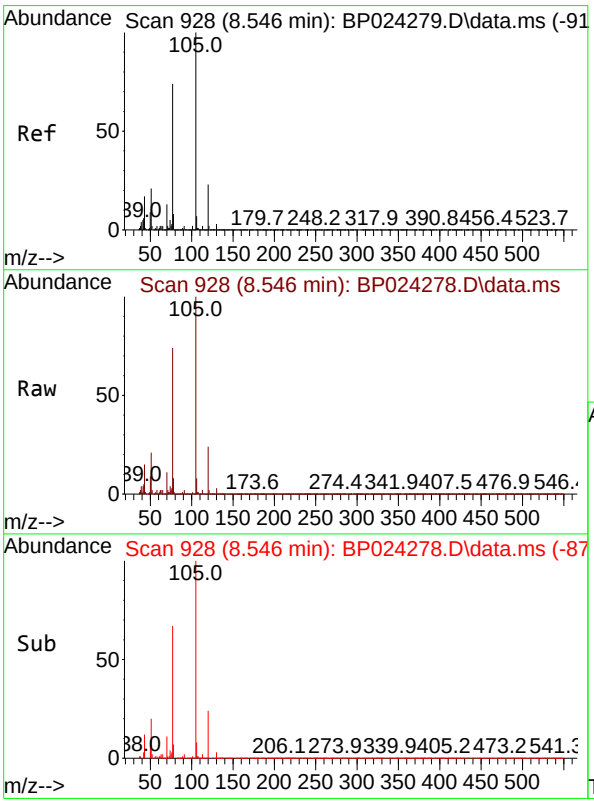
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.505 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 1081087

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	7.3	6.0	9.0
68	6.8	5.5	8.3

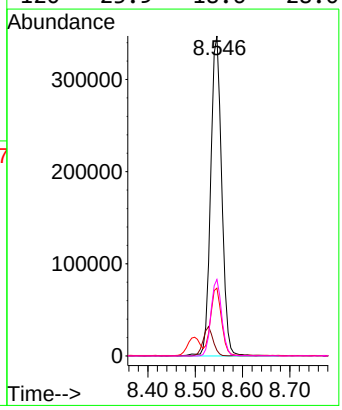


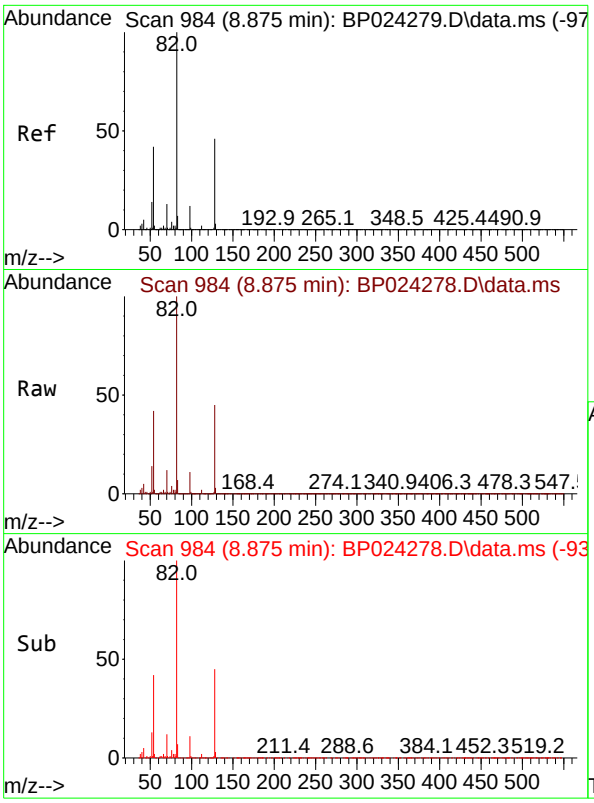


#22
Acetophenone
Concen: 20.991 ng
RT: 8.546 min Scan# 928
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:105 Resp: 563994

Ion	Ratio	Lower	Upper
105	100		
71	1.7	1.7	2.5
51	21.2	16.9	25.3
120	23.9	18.6	28.0



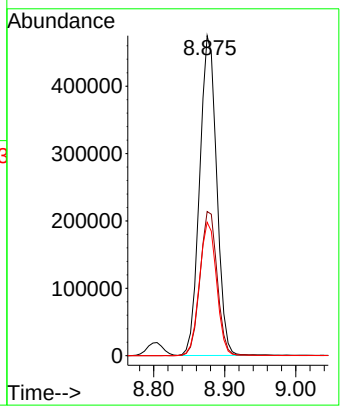


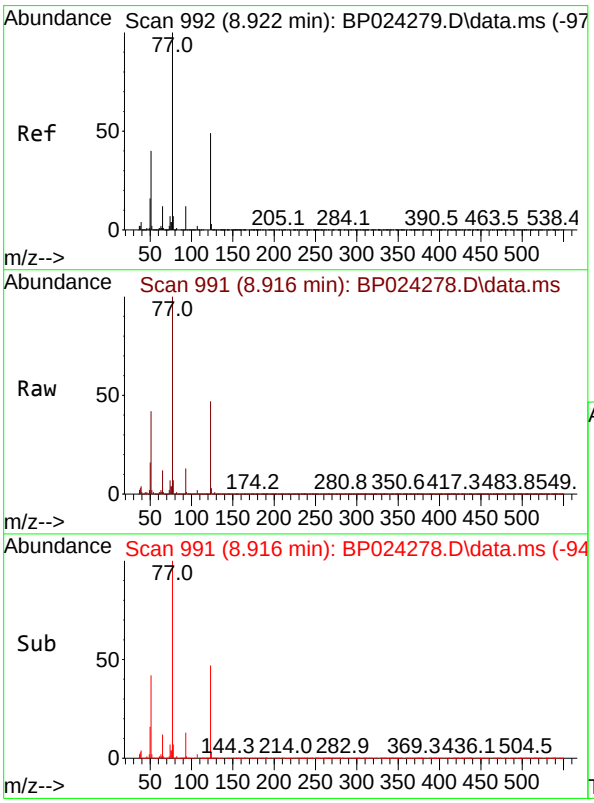
#23
Nitrobenzene-d5
Concen: 41.839 ng
RT: 8.875 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 794485

Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.5	54.7
54	41.7	33.4	50.2

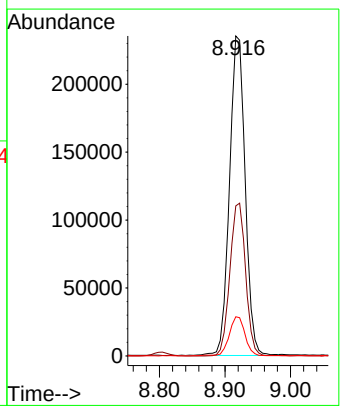


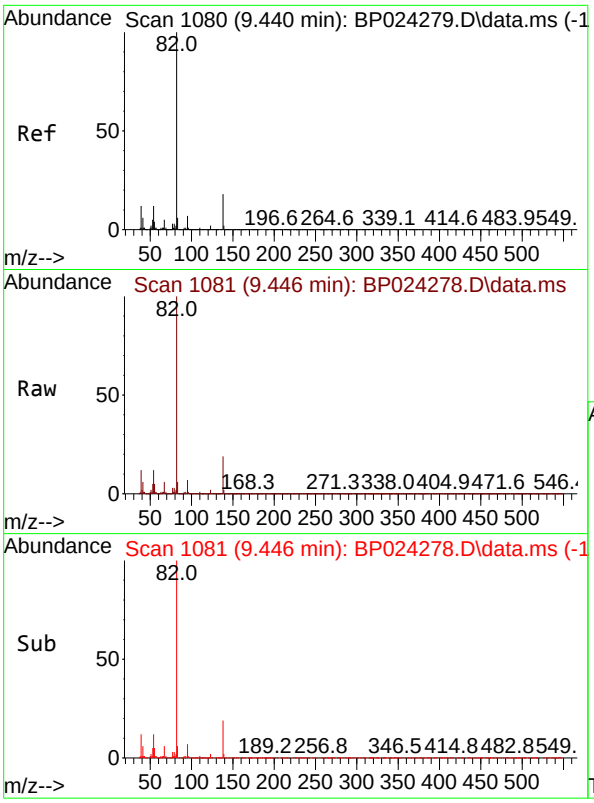


#24
Nitrobenzene
Concen: 20.770 ng
RT: 8.916 min Scan# 991
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion: 77 Resp: 390911

Ion	Ratio	Lower	Upper
77	100		
123	46.9	39.2	58.8
65	12.3	9.8	14.6



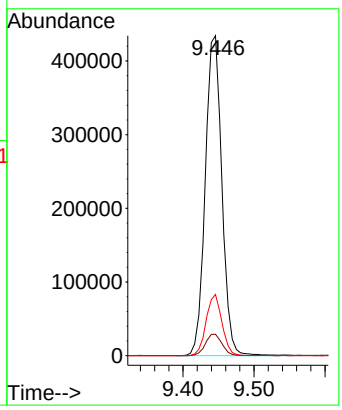


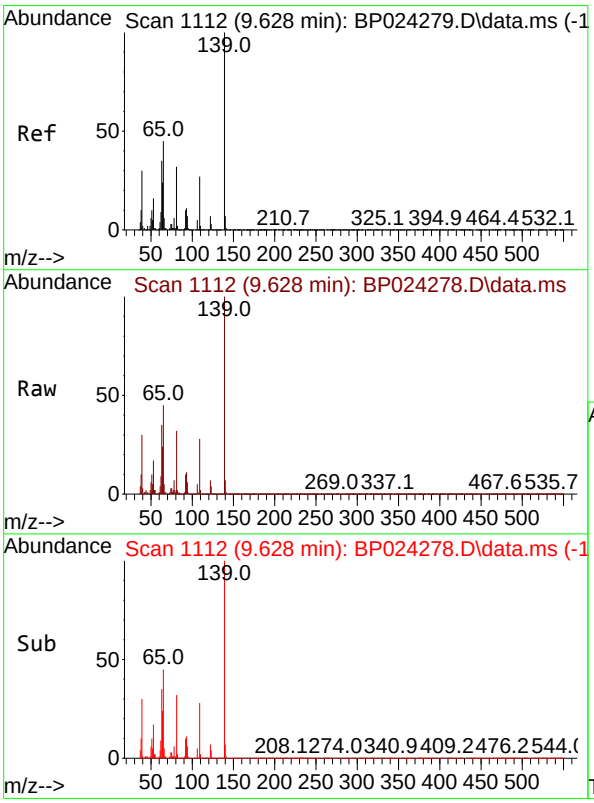
#25
Isophorone
Concen: 20.588 ng
RT: 9.446 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 705771

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.4	8.2
138	19.2	14.4	21.6

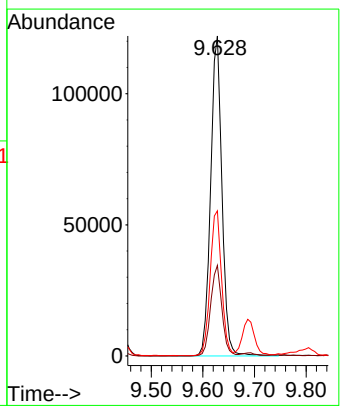


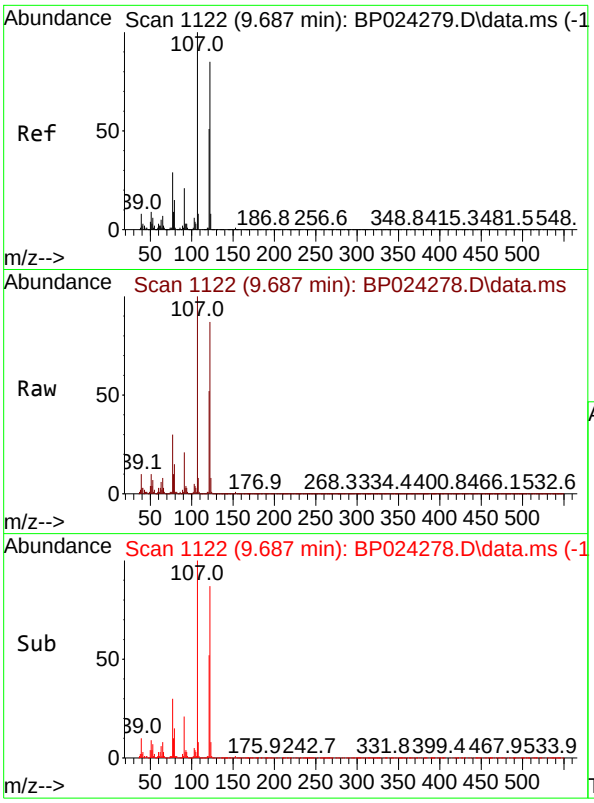


#26
2-Nitrophenol
Concen: 20.553 ng
RT: 9.628 min Scan# 1112
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:139 Resp: 185740

Ion	Ratio	Lower	Upper
139	100		
109	28.3	21.8	32.6
65	45.4	36.2	54.2



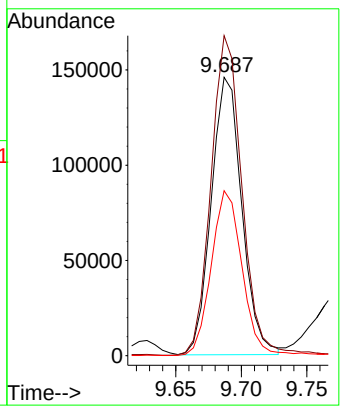


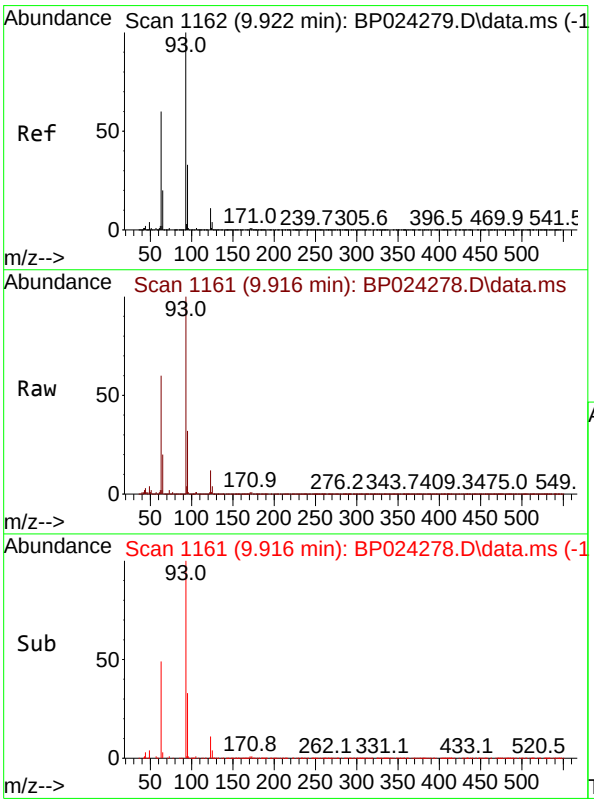
#27
2,4-Dimethylphenol
Concen: 20.643 ng
RT: 9.687 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 236436

Ion	Ratio	Lower	Upper
122	100		
107	114.9	93.7	140.5
121	59.2	48.2	72.2

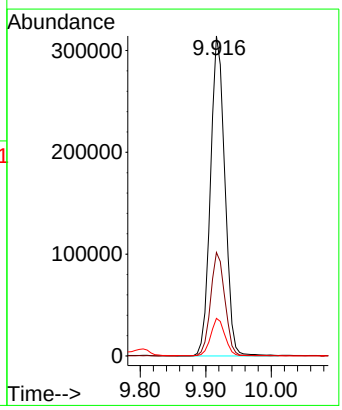


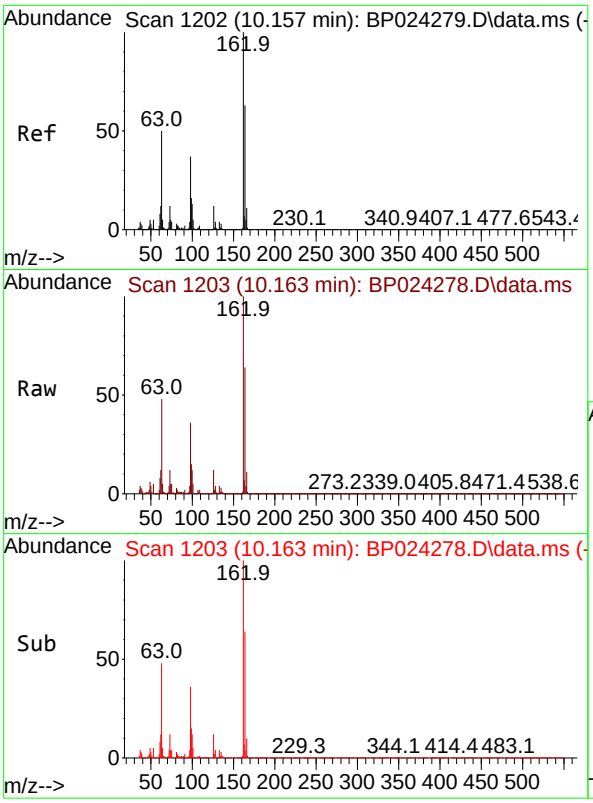


#28
bis(2-Chloroethoxy)methane
Concen: 20.575 ng
RT: 9.916 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion: 93 Resp: 480036

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.0	39.0
123	11.8	9.1	13.7



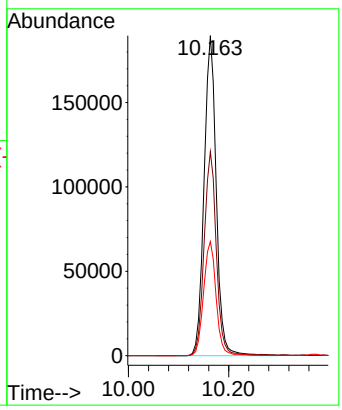


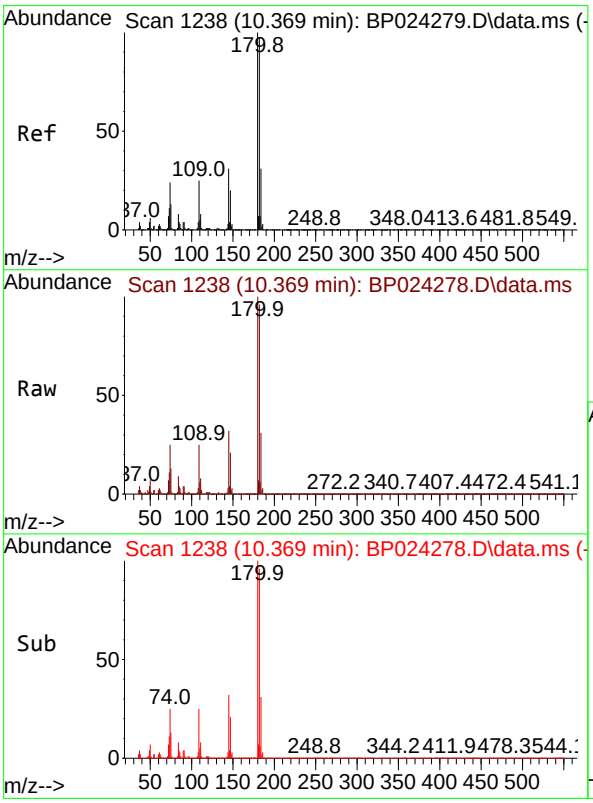
#29
2,4-Dichlorophenol
Concen: 20.536 ng
RT: 10.163 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 320579

Ion	Ratio	Lower	Upper
162	100		
164	63.7	43.3	83.3
98	35.6	16.6	56.6

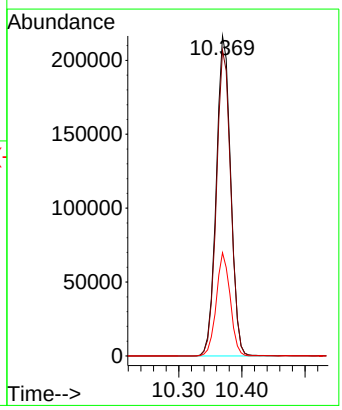


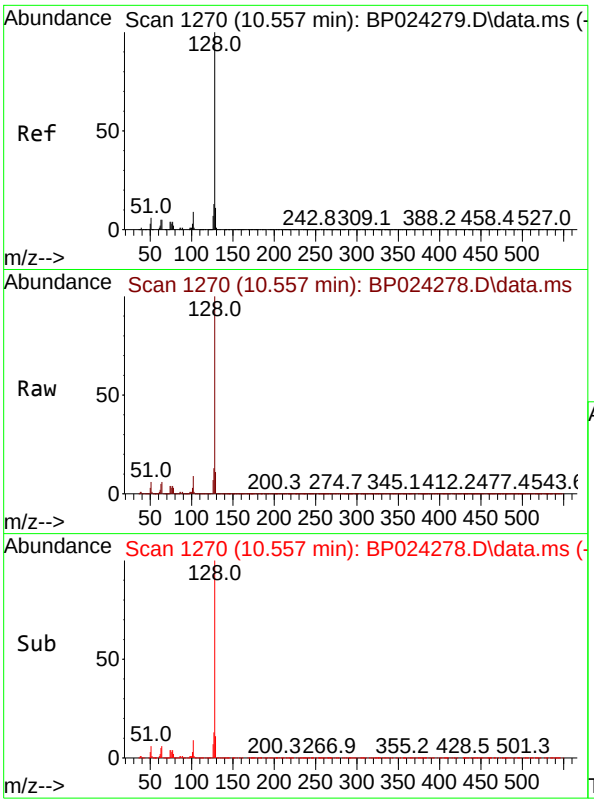


#30
1,2,4-Trichlorobenzene
Concen: 20.348 ng
RT: 10.369 min Scan# 1238
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:180 Resp: 343641

Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.3	115.9
145	32.3	25.1	37.7



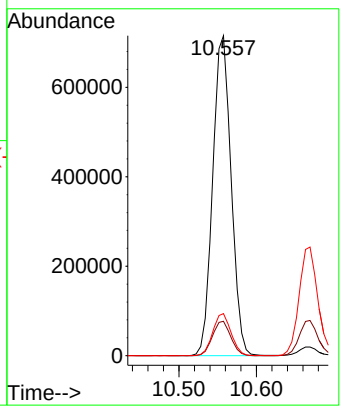


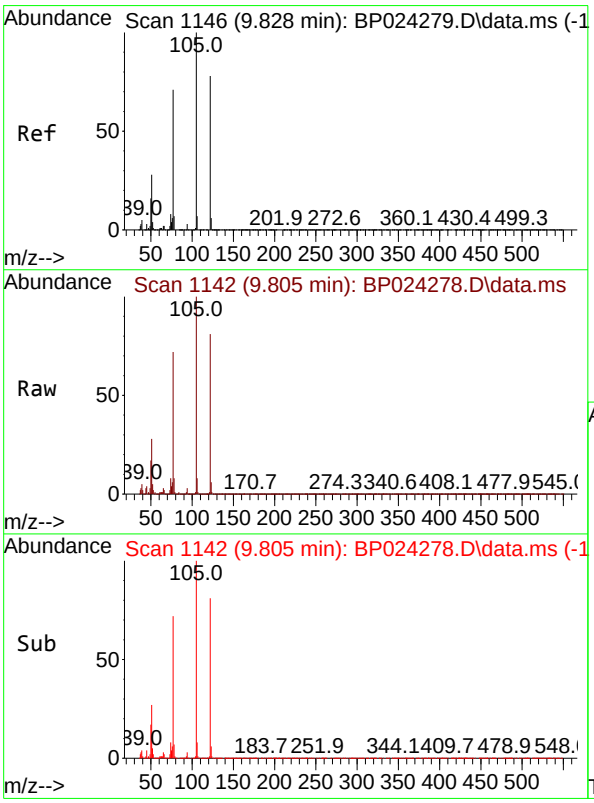
#31
Naphthalene
Concen: 20.618 ng
RT: 10.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 1179848

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	13.2	10.3	15.5

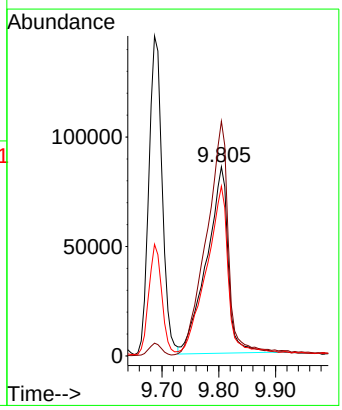


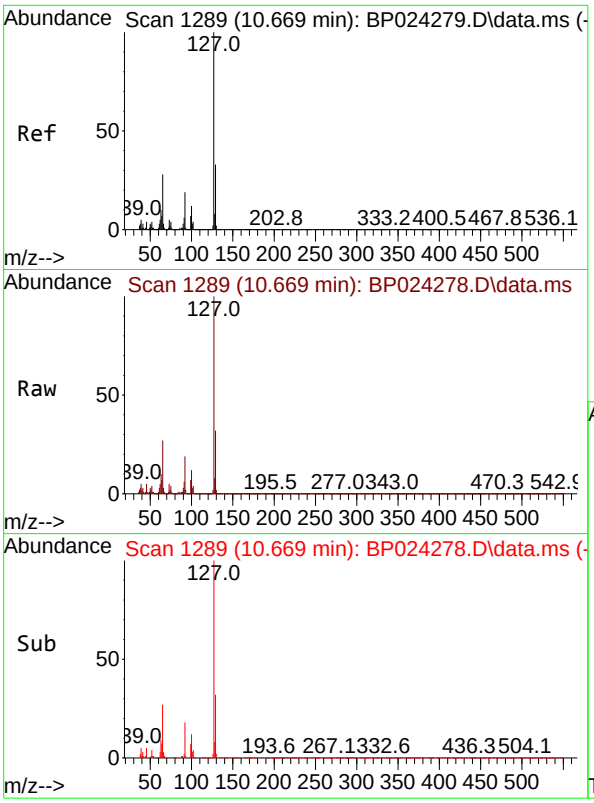


#32
Benzoic acid
Concen: 18.149 ng
RT: 9.805 min Scan# 1142
Delta R.T. -0.024 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:122 Resp: 224628

Ion	Ratio	Lower	Upper
122	100		
105	124.1	104.8	144.8
77	89.8	69.2	109.2



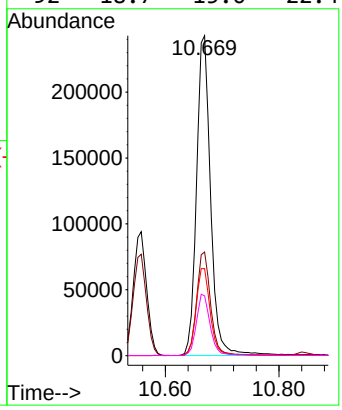


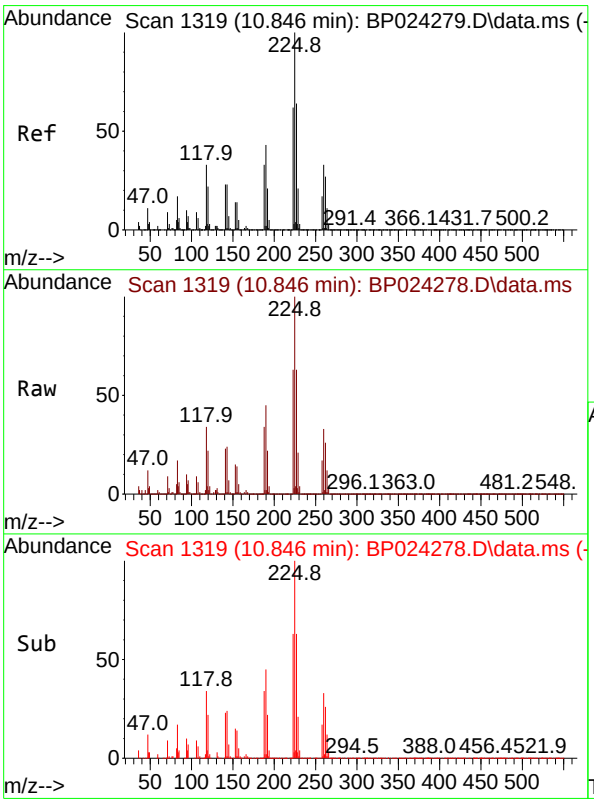
#33
4-Chloroaniline
Concen: 21.010 ng
RT: 10.669 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 420086

Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.1	39.1
65	27.2	22.1	33.1
92	18.7	15.0	22.4

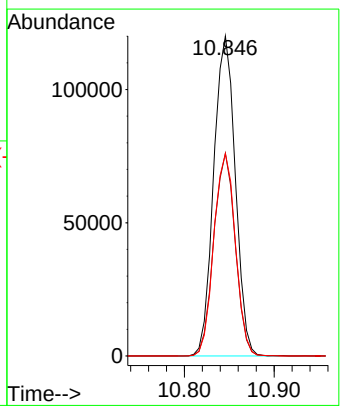


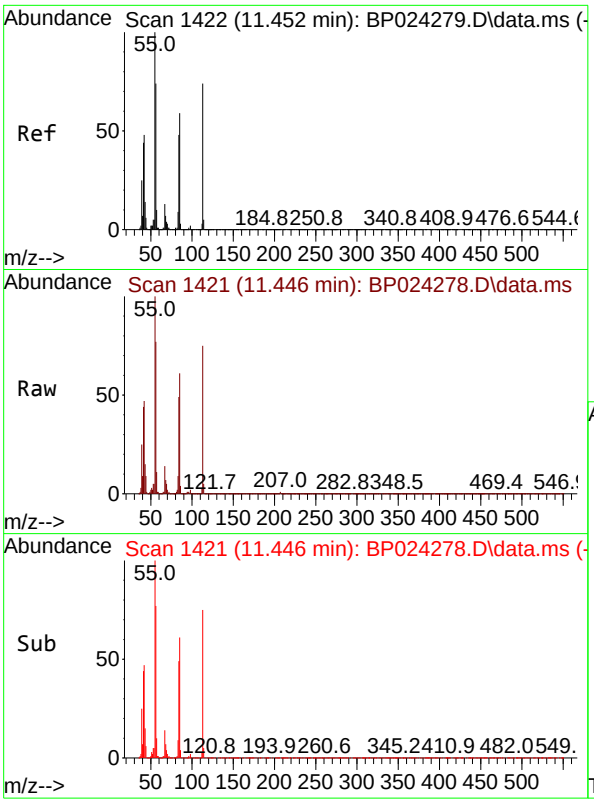


#34
Hexachlorobutadiene
Concen: 20.267 ng
RT: 10.846 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:225 Resp: 200785

Ion	Ratio	Lower	Upper
225	100		
223	63.4	49.5	74.3
227	63.3	50.9	76.3



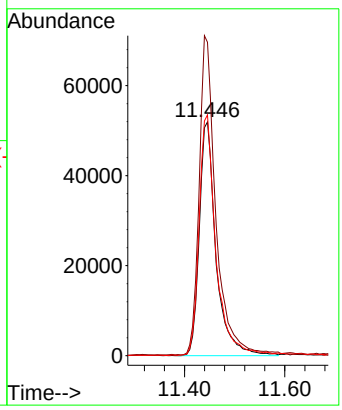


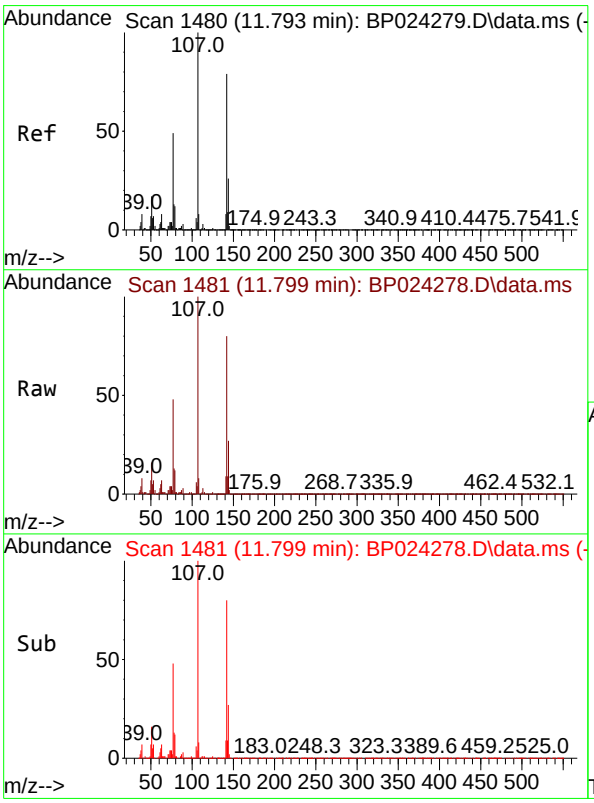
#35
Caprolactam
Concen: 20.922 ng
RT: 11.446 min Scan# 14
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 119912

Ion	Ratio	Lower	Upper
113	100		
55	134.1	115.9	155.9
56	103.0	81.1	121.1

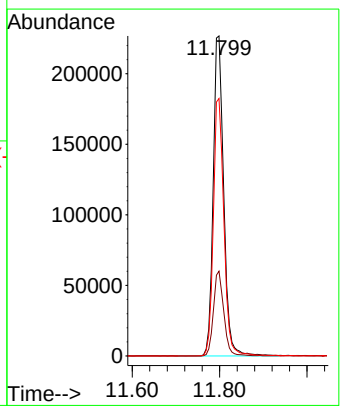


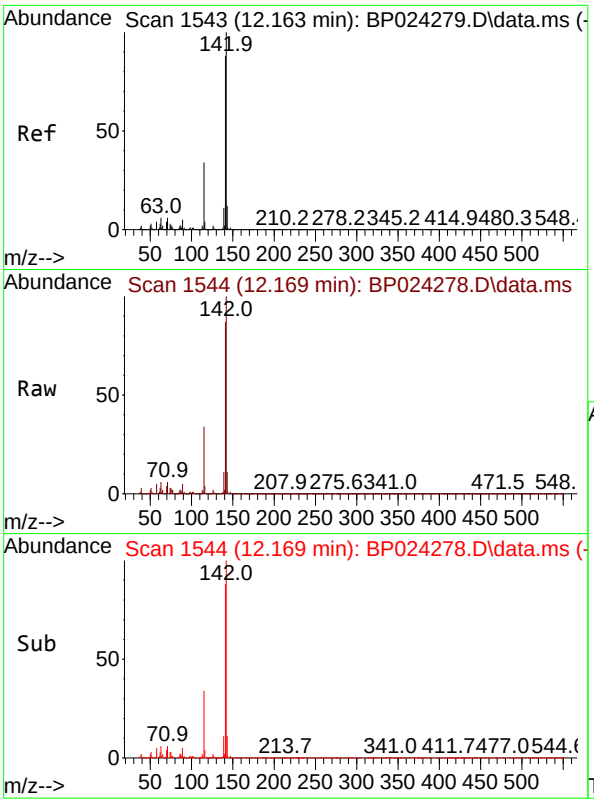


#36
4-Chloro-3-methylphenol
Concen: 20.767 ng
RT: 11.799 min Scan# 1481
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:107 Resp: 377768

Ion	Ratio	Lower	Upper
107	100		
144	26.5	20.5	30.7
142	80.4	63.4	95.2



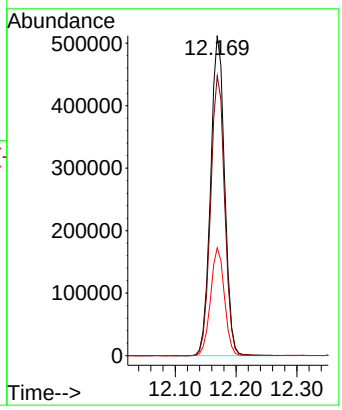


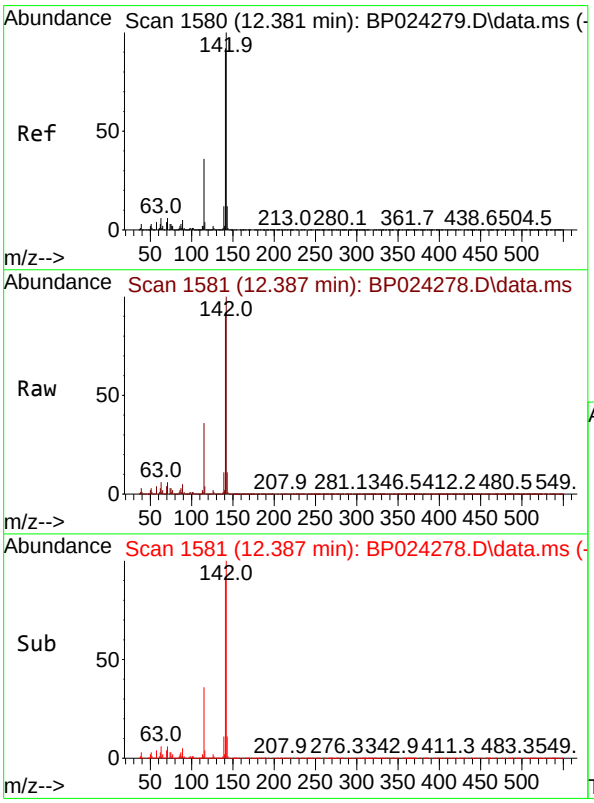
#37
2-Methylnaphthalene
Concen: 20.583 ng
RT: 12.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 816314

Ion	Ratio	Lower	Upper
142	100		
141	87.5	70.3	105.5
115	33.7	26.9	40.3

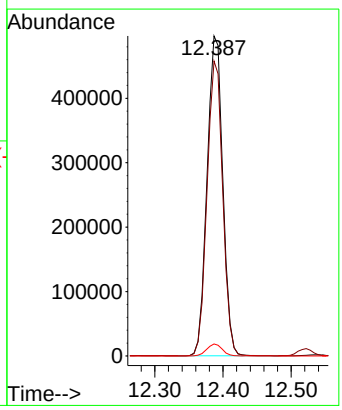


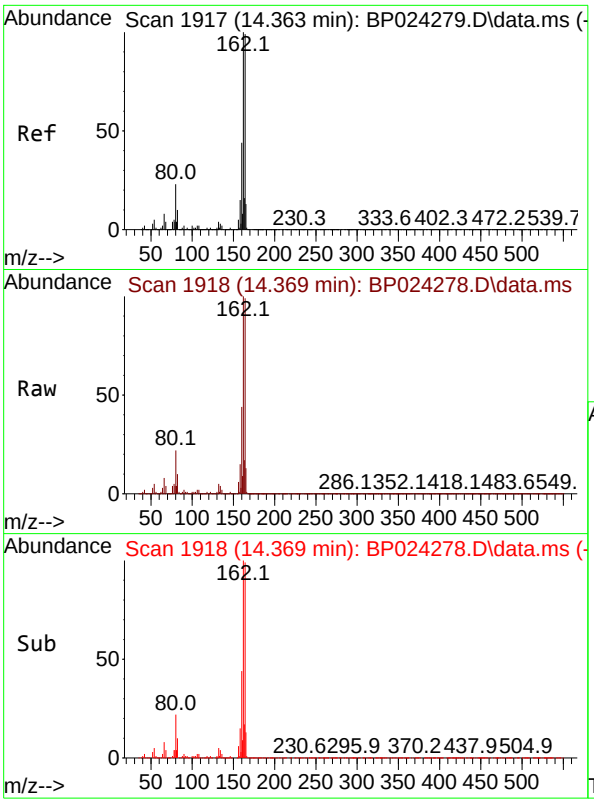


#38
1-Methylnaphthalene
Concen: 20.503 ng
RT: 12.387 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:142 Resp: 796550

Ion	Ratio	Lower	Upper
142	100		
141	92.2	73.6	110.4
116	3.8	3.0	4.6



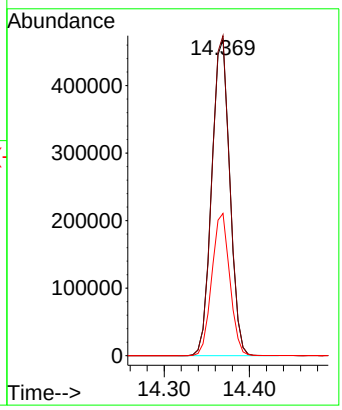


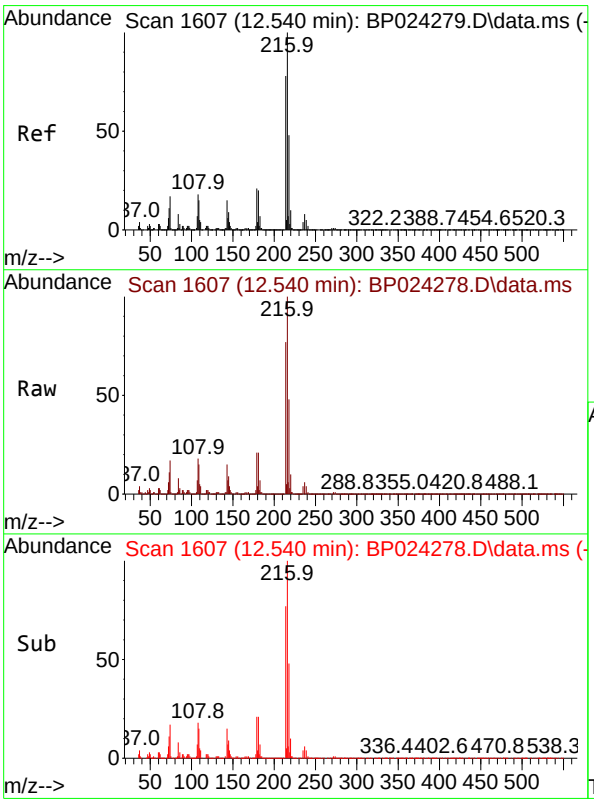
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.369 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 688775

Ion	Ratio	Lower	Upper
164	100		
162	101.2	80.6	120.8
160	45.0	35.3	52.9

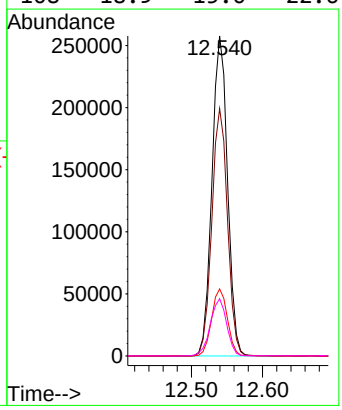


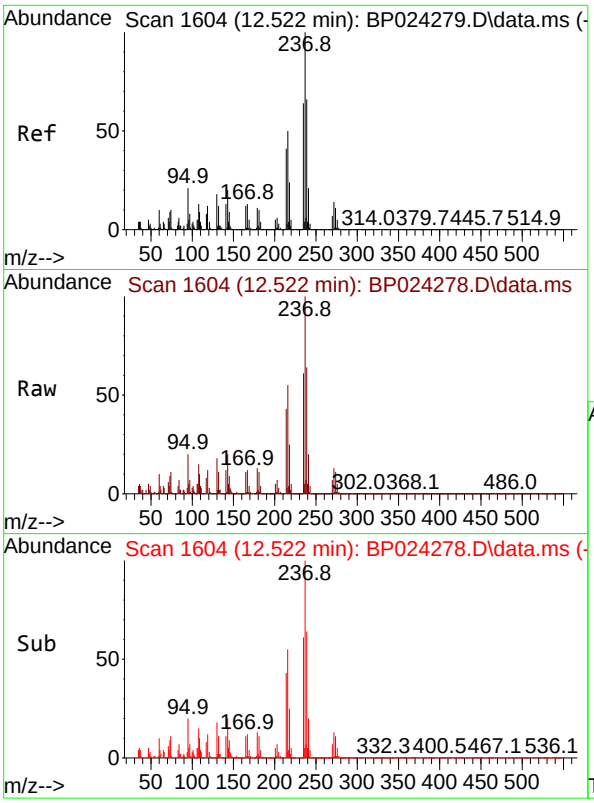


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.669 ng
RT: 12.540 min Scan# 1607
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:216 Resp: 391241

Ion	Ratio	Lower	Upper
216	100		
214	77.8	62.6	93.8
179	21.2	17.2	25.8
108	18.9	15.0	22.6



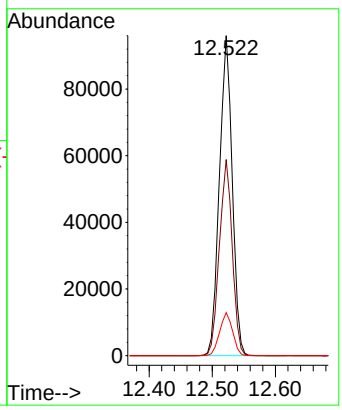


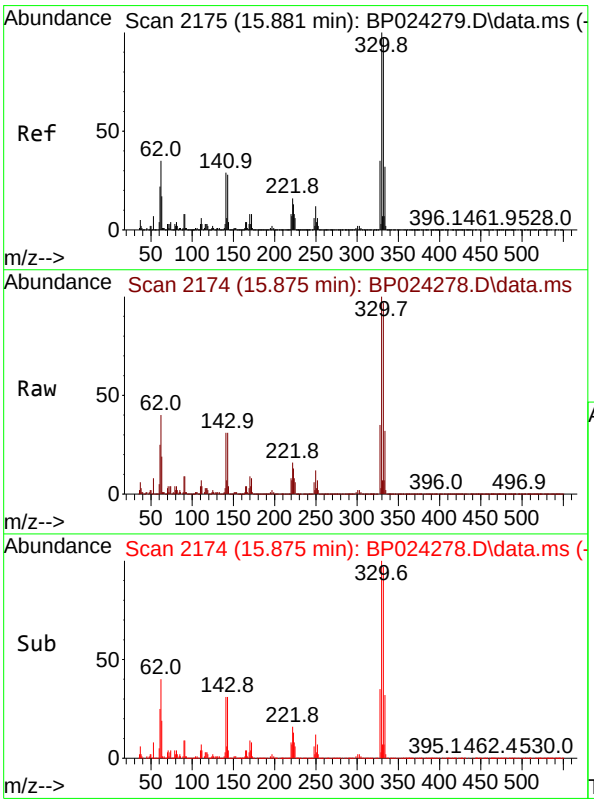
#41
Hexachlorocyclopentadiene
Concen: 20.414 ng
RT: 12.522 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 135654

Ion	Ratio	Lower	Upper
237	100		
235	61.3	43.9	83.9
272	13.5	0.0	33.6

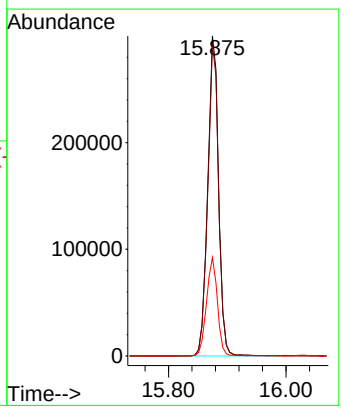


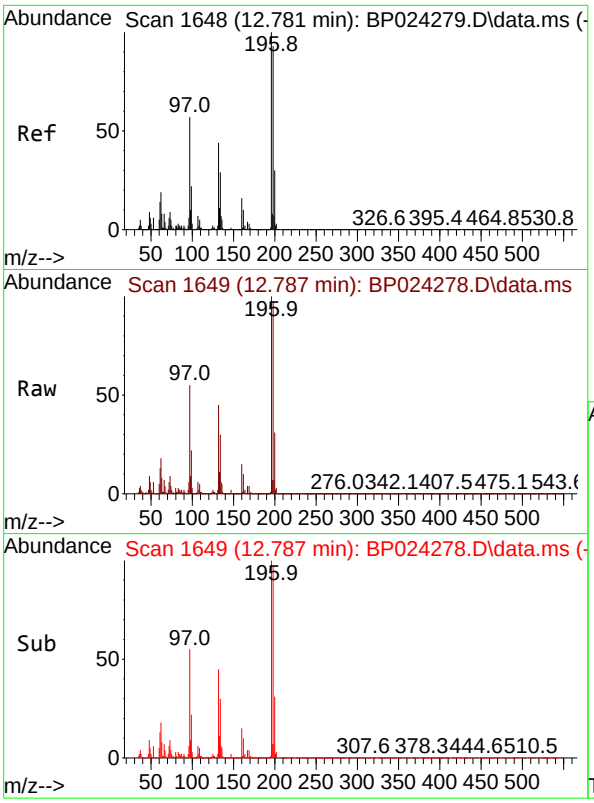


#42
2,4,6-Tribromophenol
Concen: 40.617 ng
RT: 15.875 min Scan# 2174
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:330 Resp: 383088

Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.1	115.7
141	30.9	24.7	37.1



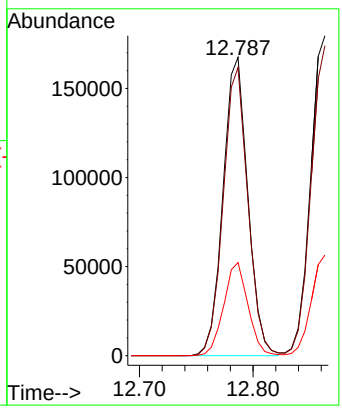


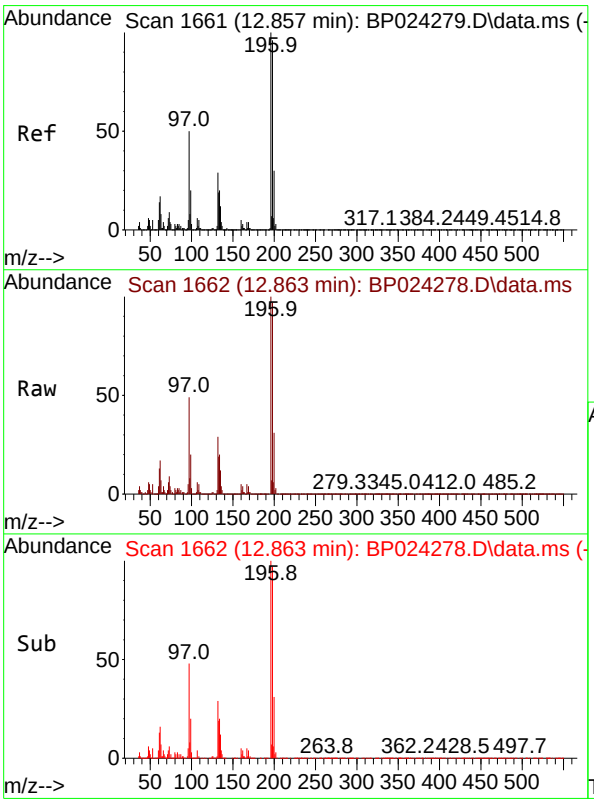
#43
2,4,6-Trichlorophenol
Concen: 20.410 ng
RT: 12.787 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 254189

Ion	Ratio	Lower	Upper
196	100		
198	96.6	74.3	111.5
200	31.2	24.0	36.0

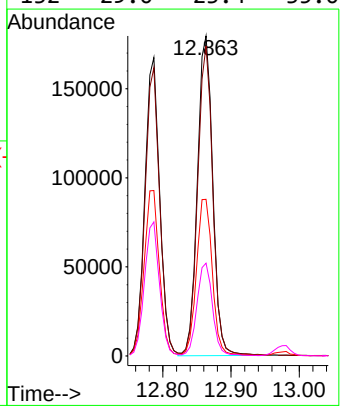


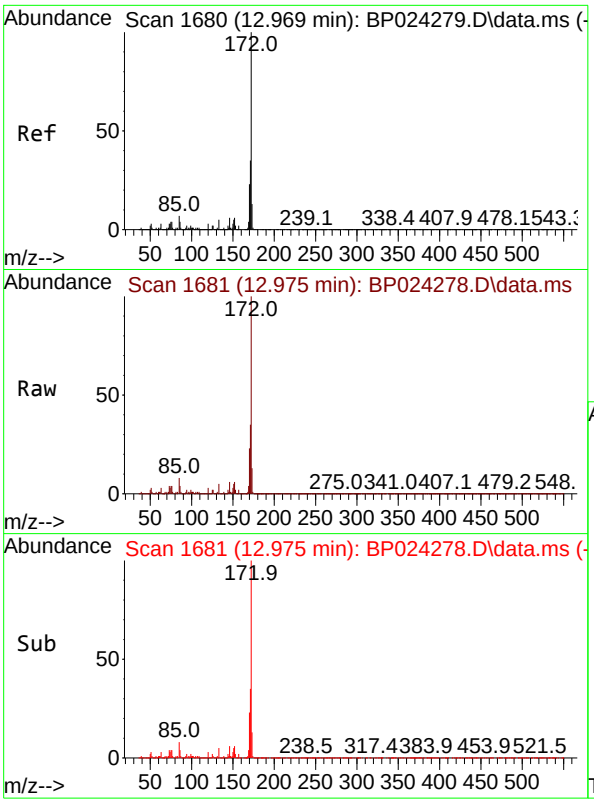


#44
2,4,5-Trichlorophenol
Concen: 20.424 ng
RT: 12.863 min Scan# 1662
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:196 Resp: 281887

Ion	Ratio	Lower	Upper
196	100		
198	96.9	77.3	115.9
97	48.9	40.4	60.6
132	29.0	23.4	35.0



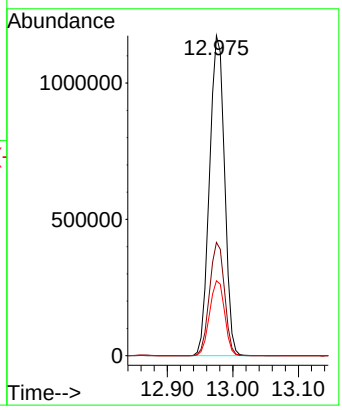


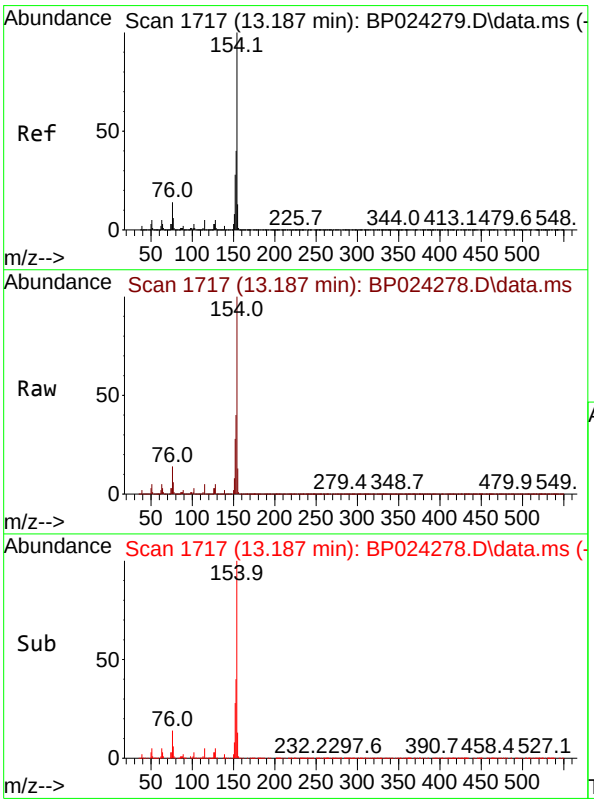
#45
2-Fluorobiphenyl
Concen: 41.254 ng
RT: 12.975 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 1871534

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.2	42.2
170	23.4	18.6	27.8

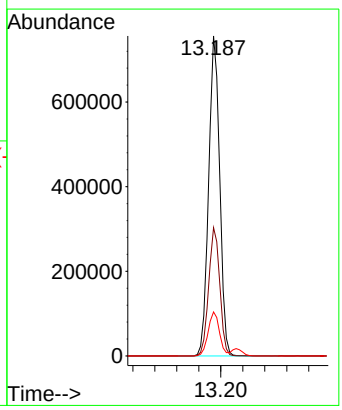


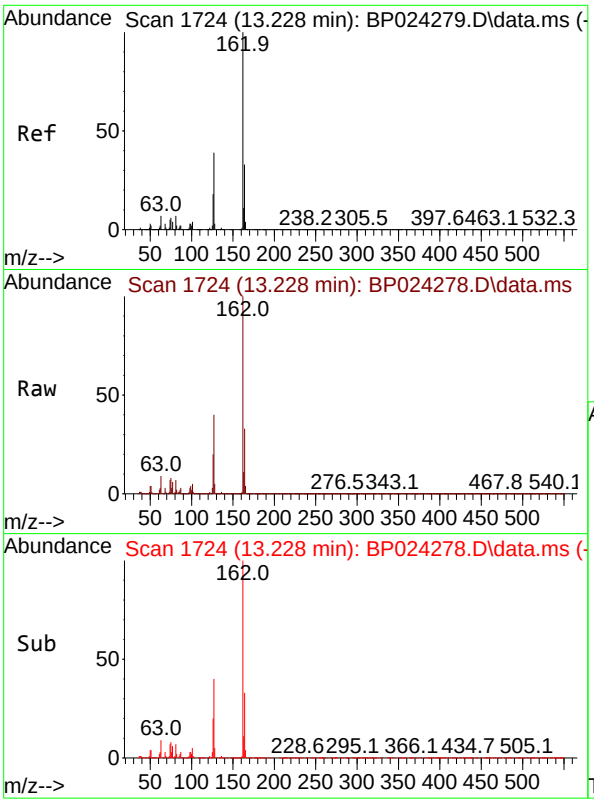


#46
1,1'-Biphenyl
Concen: 20.694 ng
RT: 13.187 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:154 Resp: 1052618

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.3	60.3
76	13.7	0.0	33.5



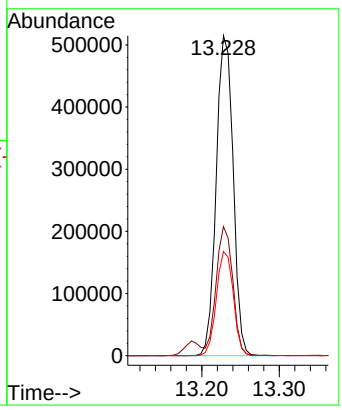


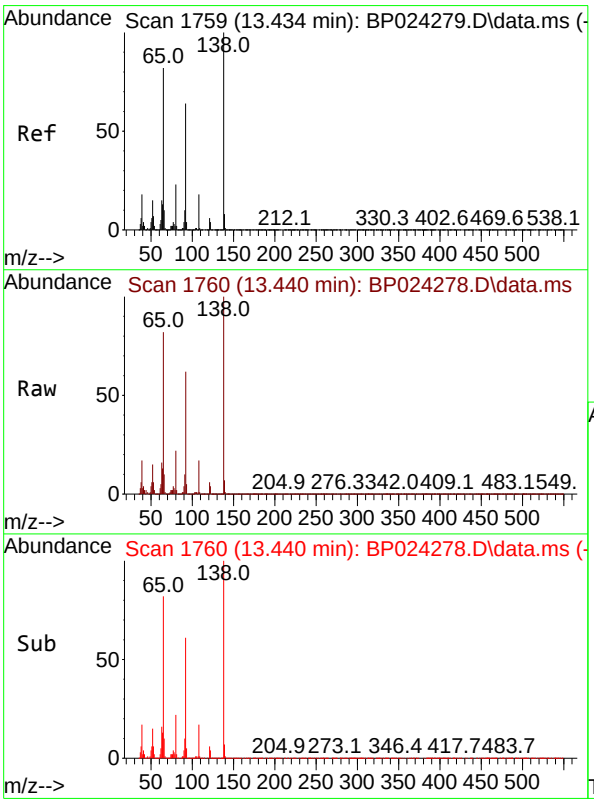
#47
2-Chloronaphthalene
Concen: 20.603 ng
RT: 13.228 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 782040

Ion	Ratio	Lower	Upper
162	100		
127	40.4	31.9	47.9
164	32.6	26.2	39.4

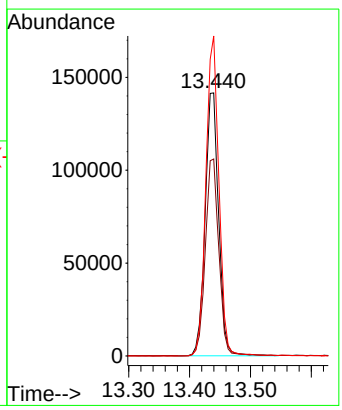


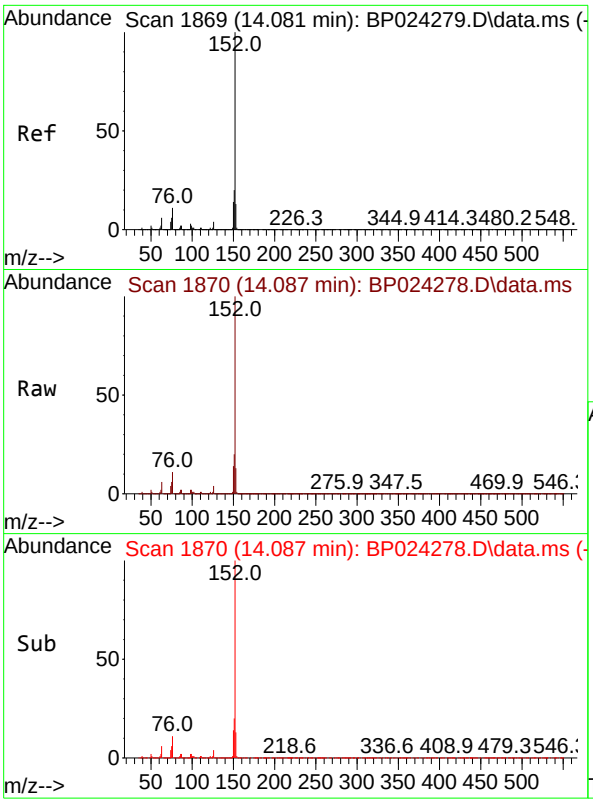


#48
2-Nitroaniline
Concen: 20.811 ng
RT: 13.440 min Scan# 1760
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion: 65 Resp: 218194

Ion	Ratio	Lower	Upper
65	100		
92	74.9	62.3	93.5
138	121.6	97.2	145.8



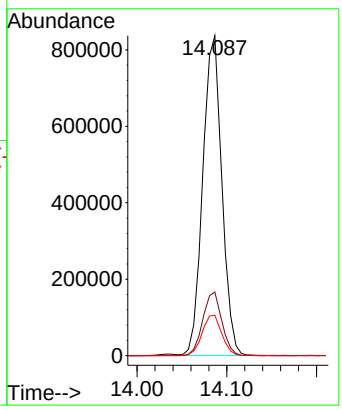


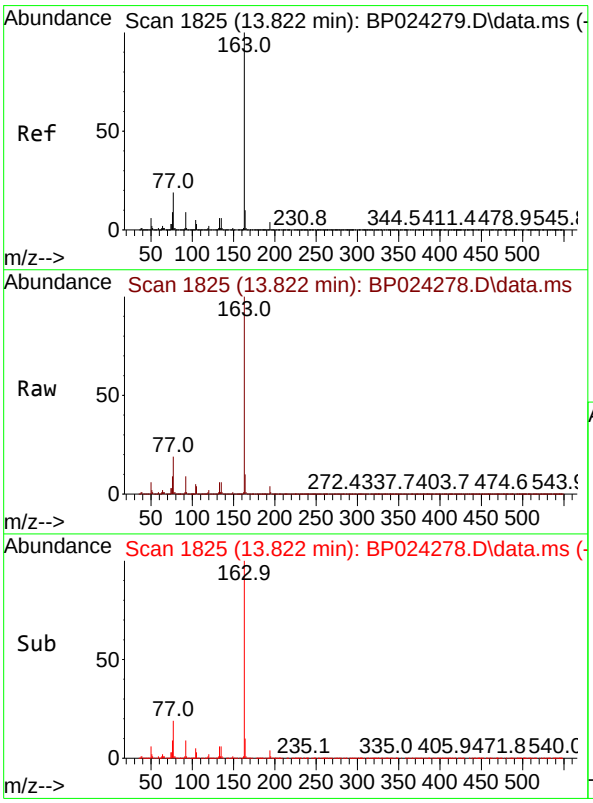
#49
Acenaphthylene
Concen: 20.726 ng
RT: 14.087 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 1234728

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	12.7	10.6	15.8

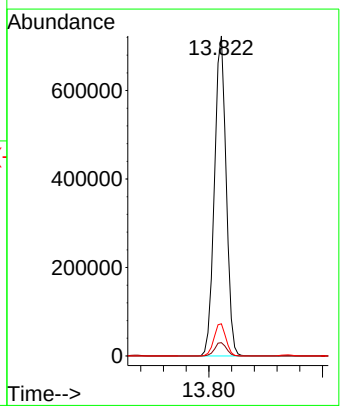


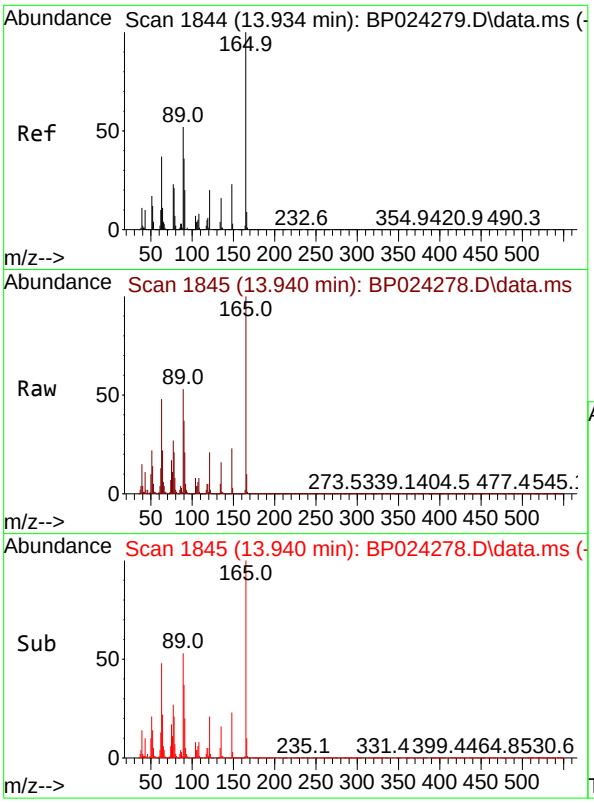


#50
Dimethylphthalate
Concen: 20.489 ng
RT: 13.822 min Scan# 1825
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:163 Resp: 1029599

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.5	5.3
164	10.1	8.0	12.0



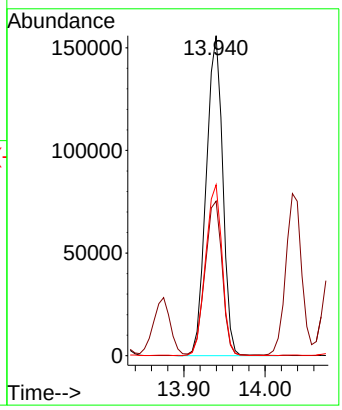


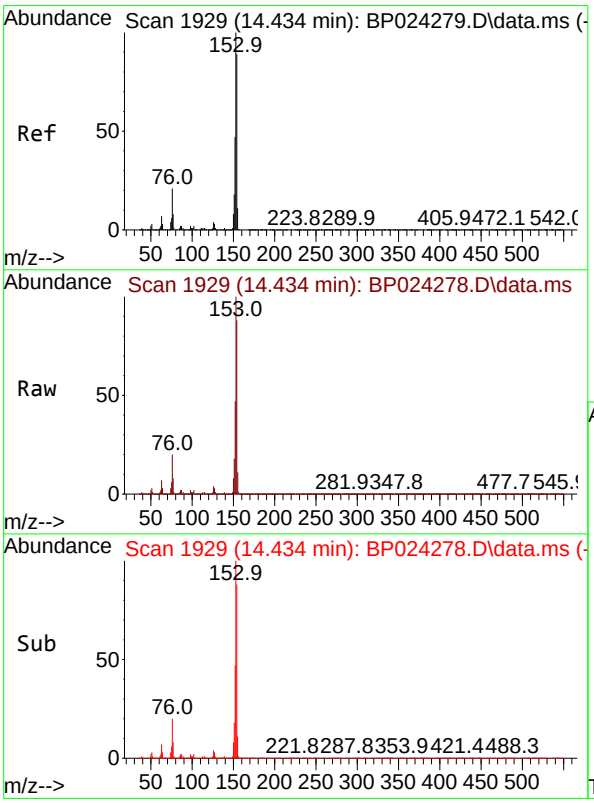
#51
2,6-Dinitrotoluene
Concen: 20.731 ng
RT: 13.940 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 219492

Ion	Ratio	Lower	Upper
165	100		
63	48.3	38.0	57.0
89	53.4	41.7	62.5

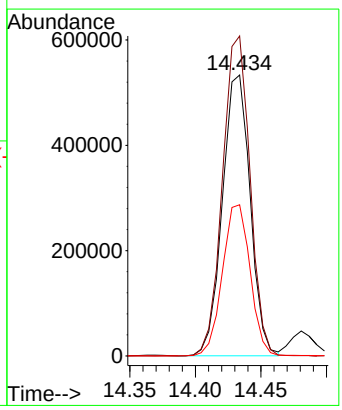


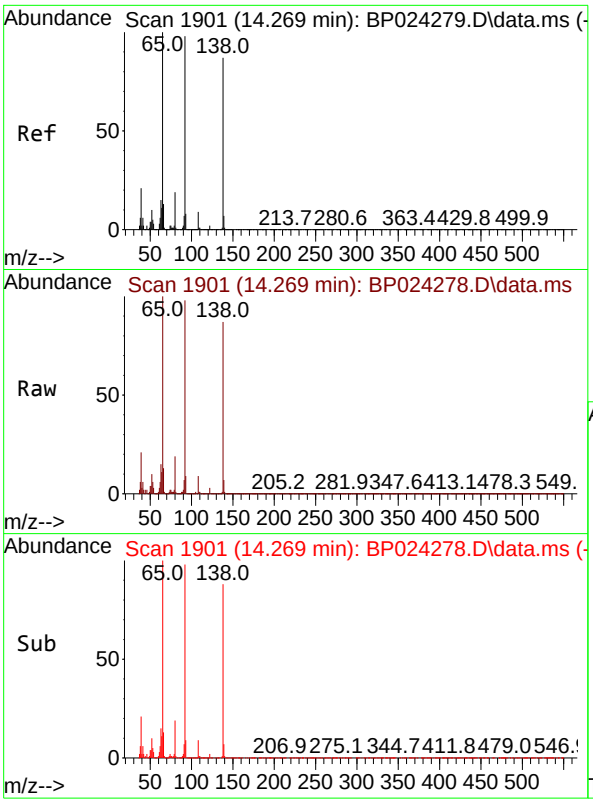


#52
Acenaphthene
Concen: 20.741 ng
RT: 14.434 min Scan# 1929
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:154 Resp: 785789

Ion	Ratio	Lower	Upper
154	100		
153	113.9	89.8	134.6
152	53.8	42.6	63.8



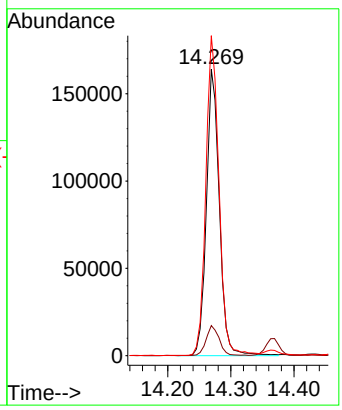


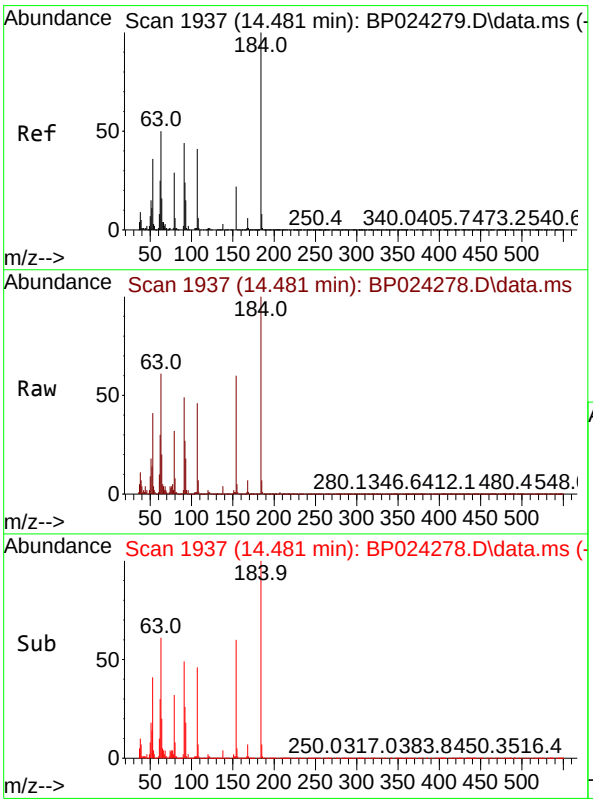
#53
3-Nitroaniline
Concen: 21.212 ng
RT: 14.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 233006

Ion	Ratio	Lower	Upper
138	100		
108	10.5	8.3	12.5
92	111.7	89.8	134.8

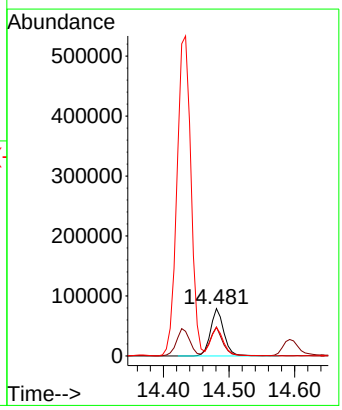


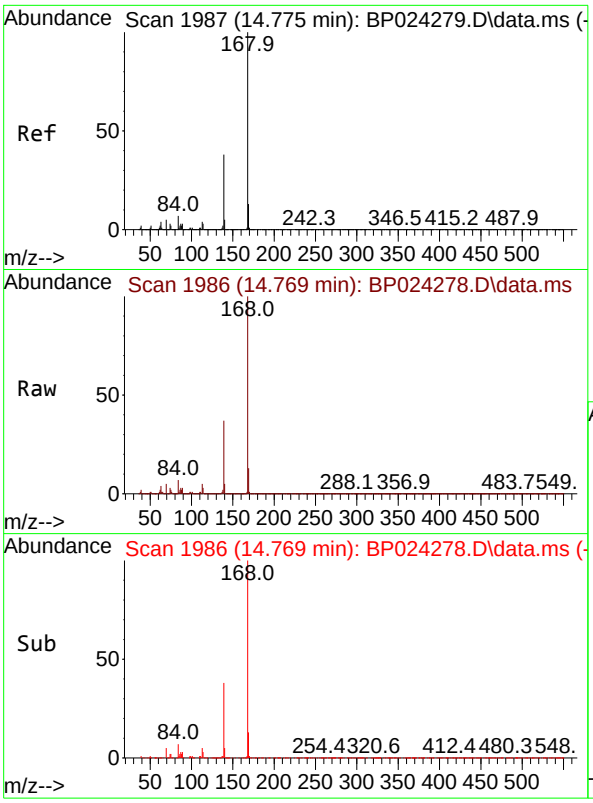


#54
2,4-Dinitrophenol
Concen: 19.785 ng
RT: 14.481 min Scan# 1937
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:184 Resp: 112157

Ion	Ratio	Lower	Upper
184	100		
63	61.0	42.6	64.0
154	60.0	47.2	70.8



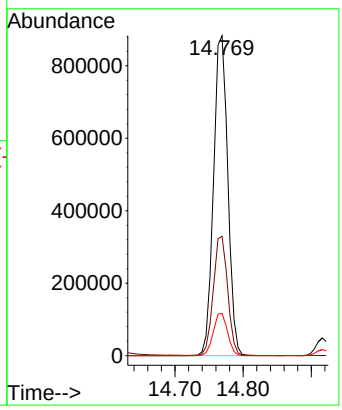


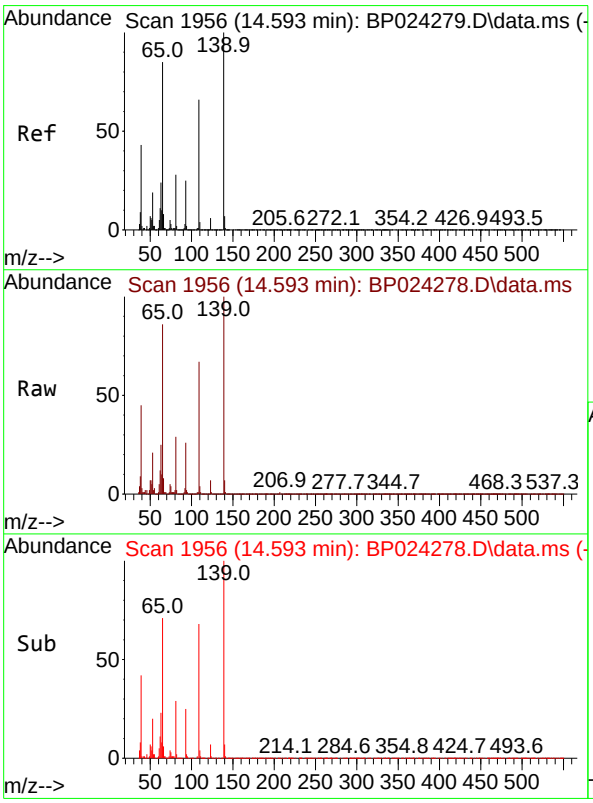
#55
Dibenzofuran
Concen: 20.735 ng
RT: 14.769 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 1288363

Ion	Ratio	Lower	Upper
168	100		
139	37.3	30.3	45.5
169	13.2	10.6	16.0

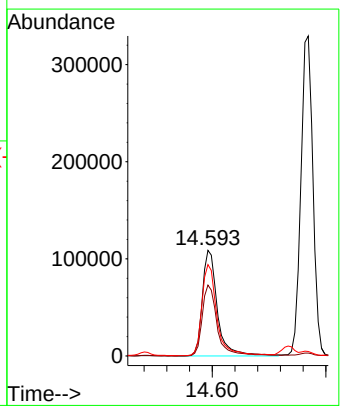


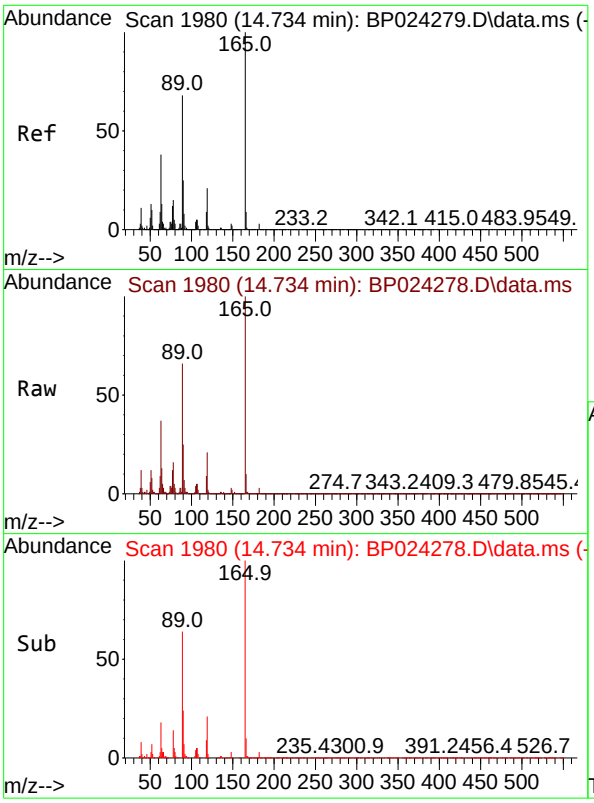


#56
4-Nitrophenol
Concen: 21.109 ng
RT: 14.593 min Scan# 1956
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:139 Resp: 199315

Ion	Ratio	Lower	Upper
139	100		
109	67.0	46.1	86.1
65	86.5	65.0	105.0



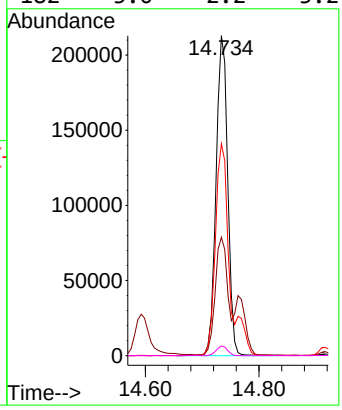


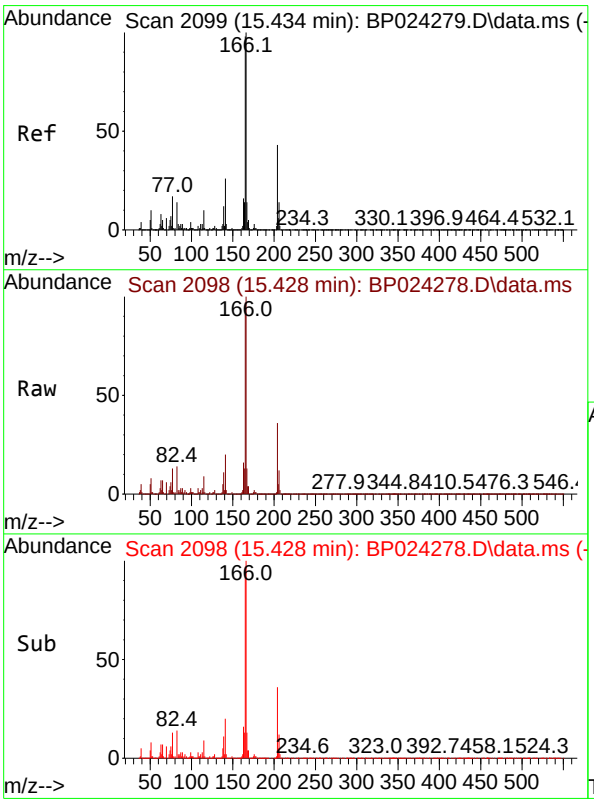
#57
2,4-Dinitrotoluene
Concen: 21.126 ng
RT: 14.734 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 302332

Ion	Ratio	Lower	Upper
165	100		
63	37.0	30.4	45.6
89	66.2	54.6	82.0
182	3.0	2.2	3.2

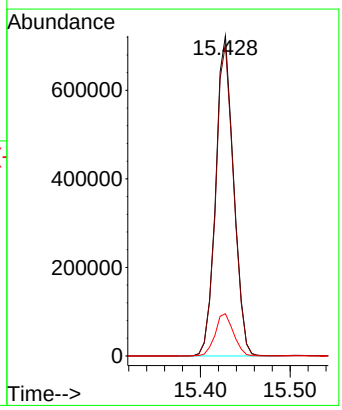


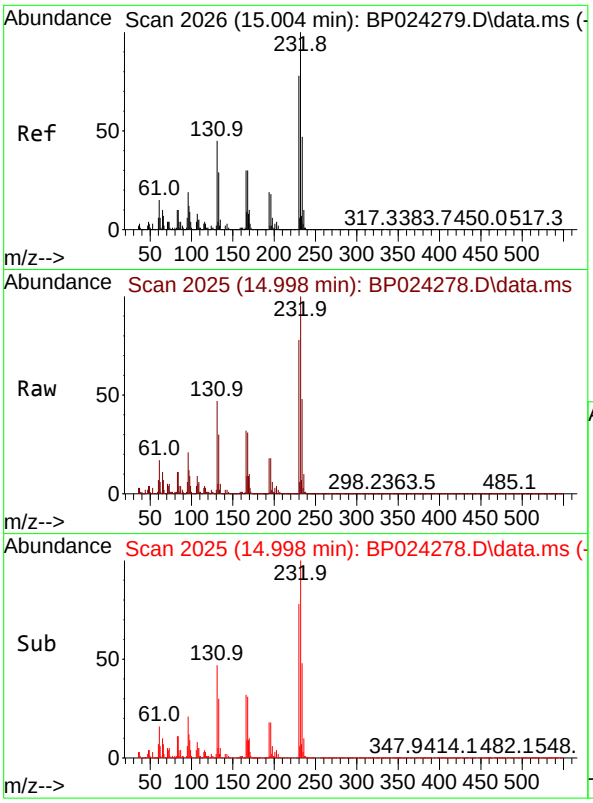


#58
Fluorene
Concen: 20.876 ng
RT: 15.428 min Scan# 2098
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:166 Resp: 1001515

Ion	Ratio	Lower	Upper
166	100		
165	97.3	78.1	117.1
167	13.2	10.9	16.3



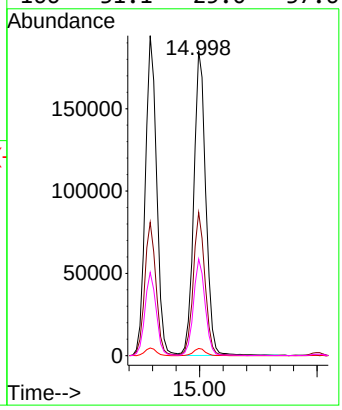


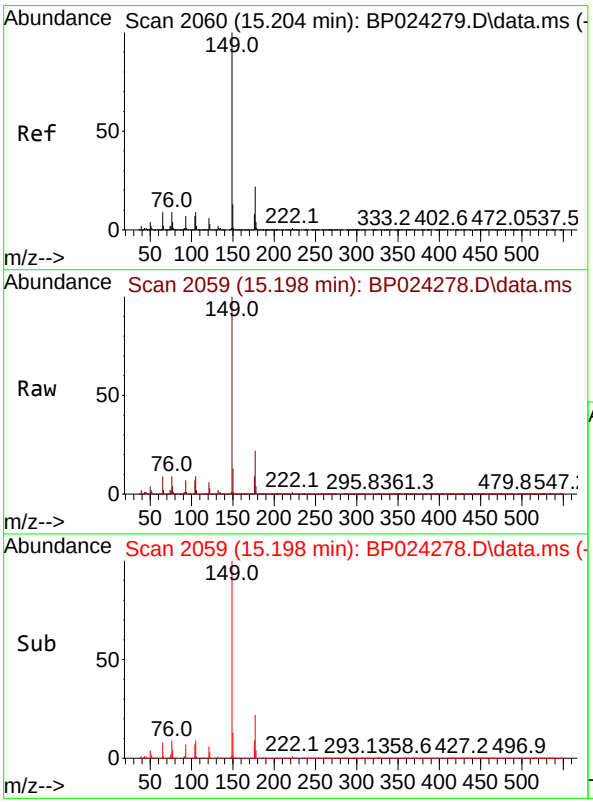
#59
2,3,4,6-Tetrachlorophenol
Concen: 20.523 ng
RT: 14.998 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 262077

Ion	Ratio	Lower	Upper
232	100		
131	45.5	36.8	55.2
130	2.4	1.9	2.9
166	31.1	25.0	37.6

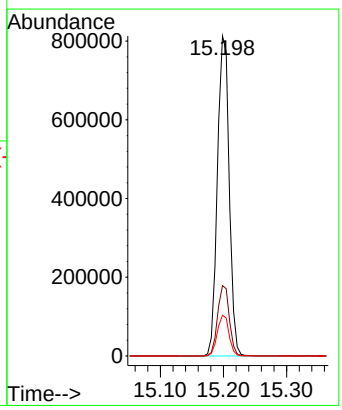


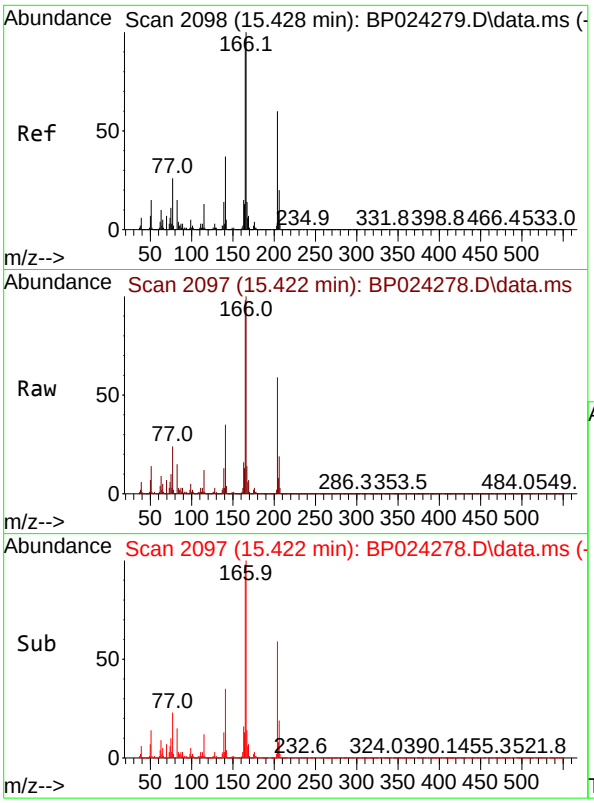


#60
Diethylphthalate
Concen: 20.344 ng
RT: 15.198 min Scan# 2059
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:149 Resp: 1052183

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.4	26.2
150	12.8	10.1	15.1



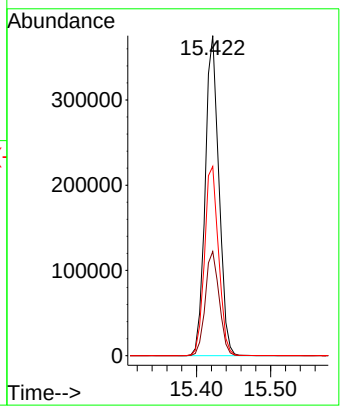


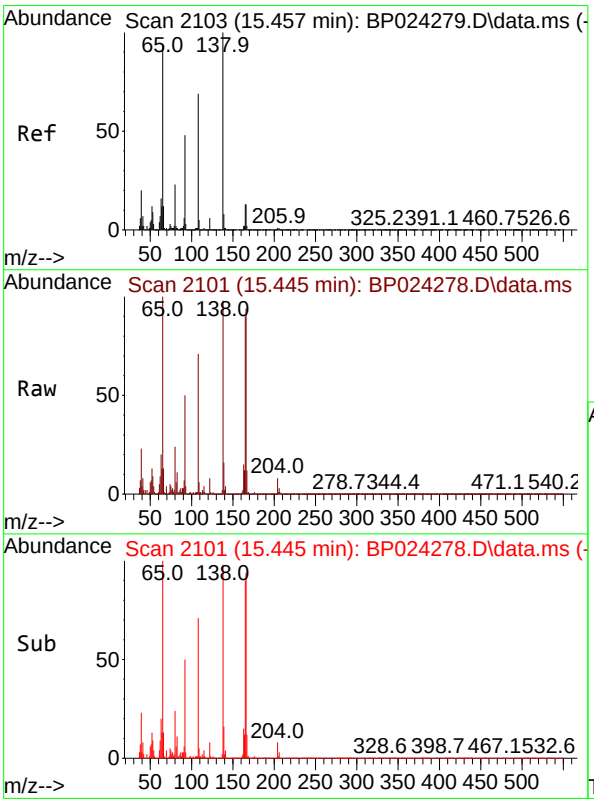
#61
4-Chlorophenyl-phenylether
Concen: 20.675 ng
RT: 15.422 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 481631

Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.5	39.7
141	59.2	49.4	74.0

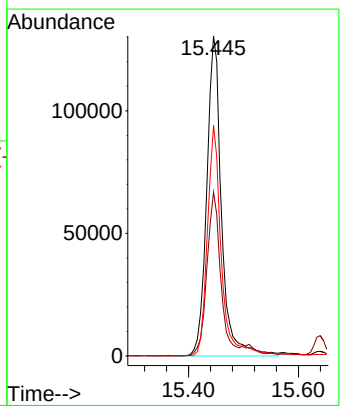


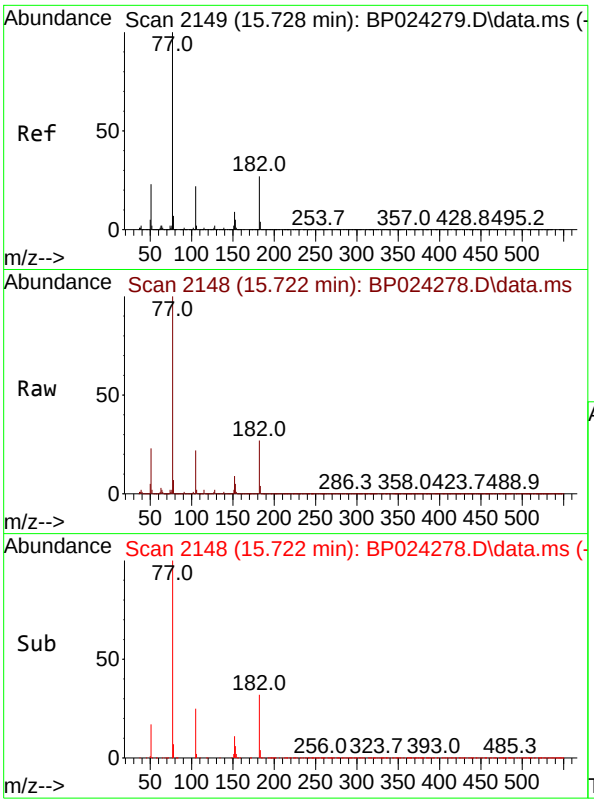


#62
4-Nitroaniline
Concen: 20.888 ng
RT: 15.445 min Scan# 2101
Delta R.T. -0.012 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:138 Resp: 243257

Ion	Ratio	Lower	Upper
138	100		
92	51.2	27.8	67.8
108	72.0	48.9	88.9



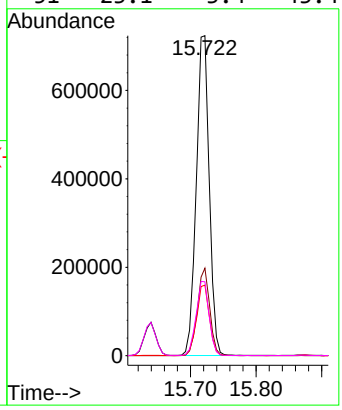


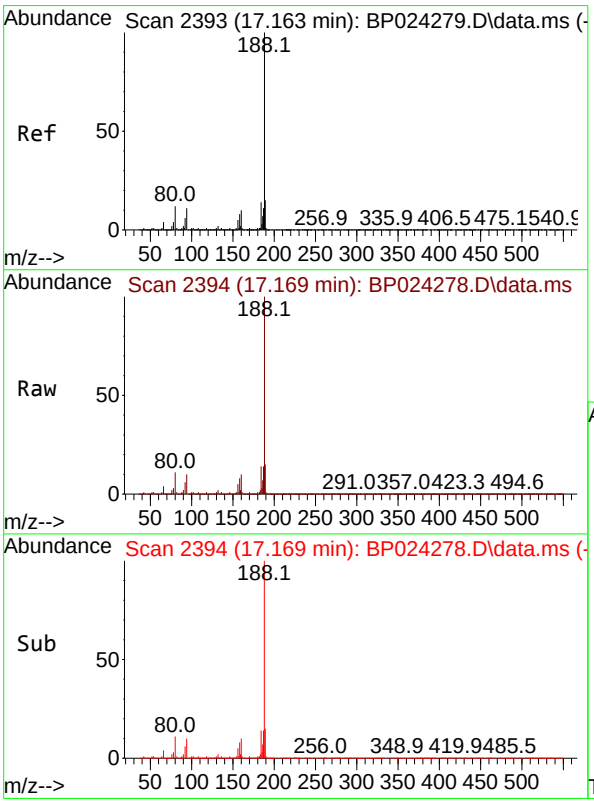
#63
Azobenzene
Concen: 20.907 ng
RT: 15.722 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 995912

Ion	Ratio	Lower	Upper
77	100		
182	27.3	7.3	47.3
105	22.0	2.3	42.3
51	23.1	3.4	43.4

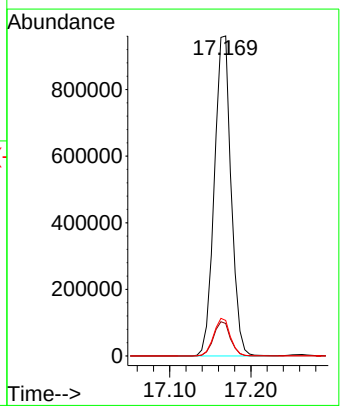


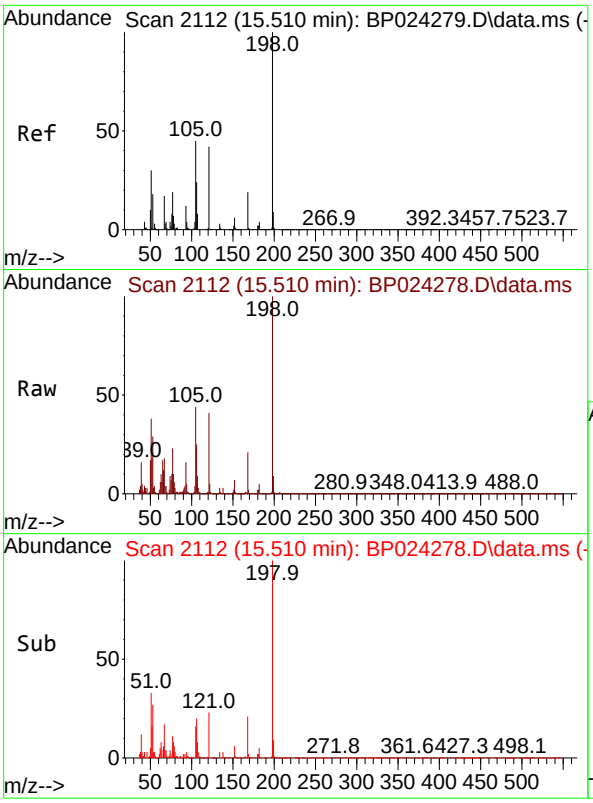


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.169 min Scan# 2394
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:188 Resp: 1378480

Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.6	13.0
80	11.1	9.8	14.6



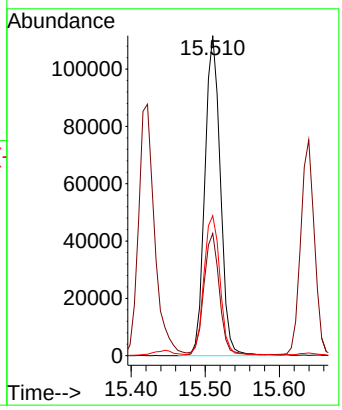


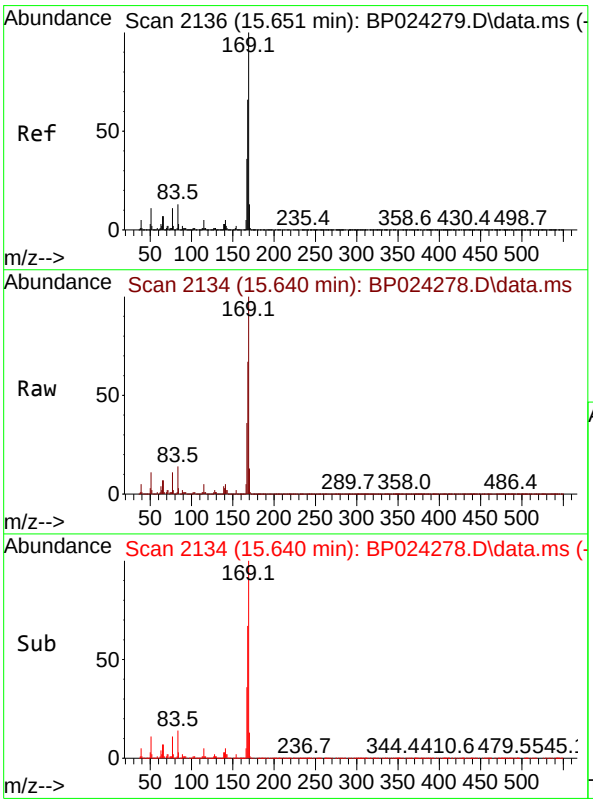
#65
4,6-Dinitro-2-methylphenol
Concen: 20.176 ng
RT: 15.510 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 162501

Ion	Ratio	Lower	Upper
198	100		
51	38.2	18.4	58.4
105	43.8	26.5	66.5

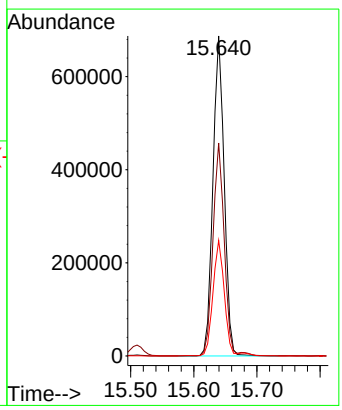


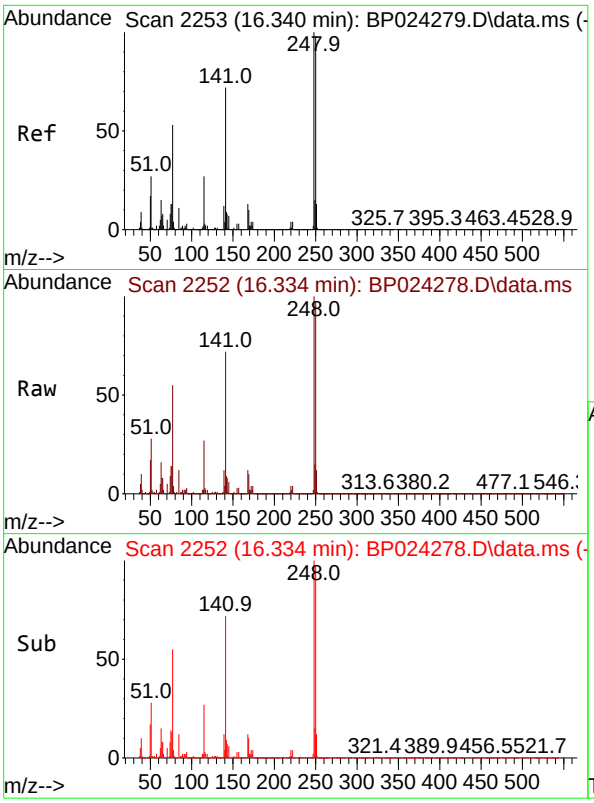


#66
n-Nitrosodiphenylamine
Concen: 20.552 ng
RT: 15.640 min Scan# 2134
Delta R.T. -0.012 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:169 Resp: 849476

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.0	79.4
167	36.1	28.9	43.3



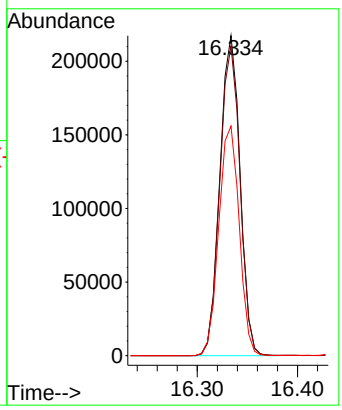


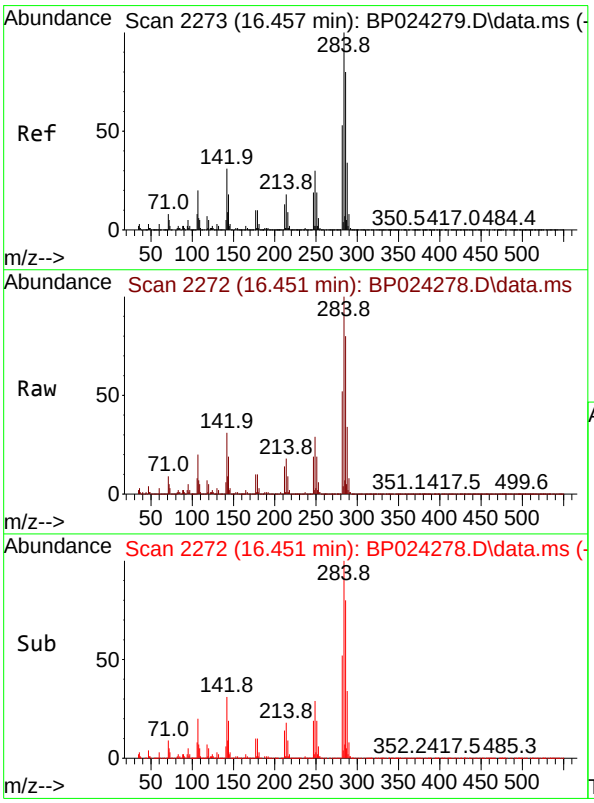
#67
4-Bromophenyl-phenylether
Concen: 20.125 ng
RT: 16.334 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 302601

Ion	Ratio	Lower	Upper
248	100		
250	96.8	78.2	117.4
141	71.8	57.7	86.5

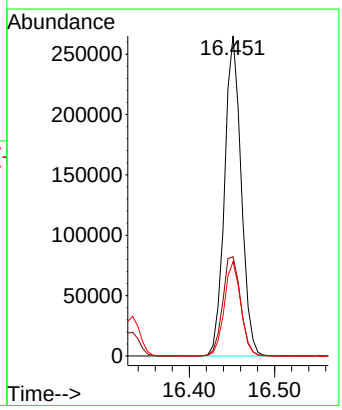


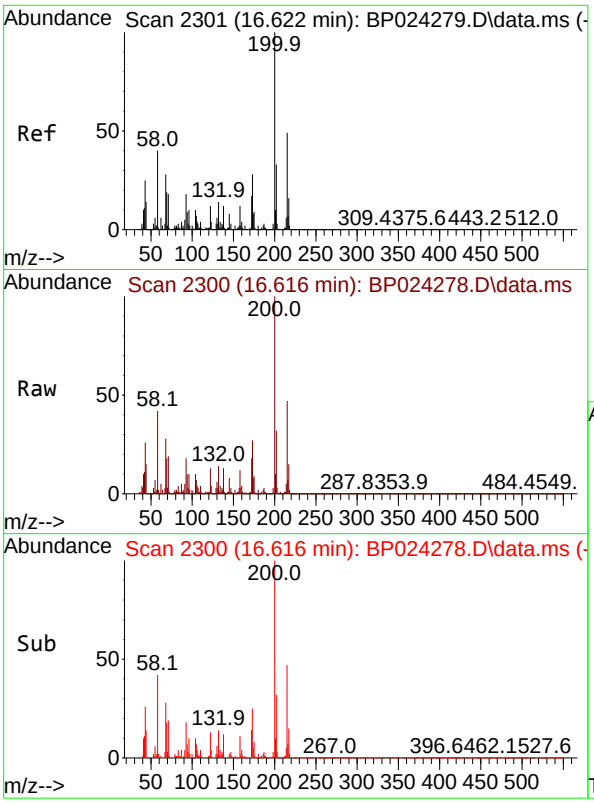


#68
Hexachlorobenzene
Concen: 20.077 ng
RT: 16.451 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:284 Resp: 358889

Ion	Ratio	Lower	Upper
284	100		
142	31.0	24.6	37.0
249	29.5	23.8	35.6



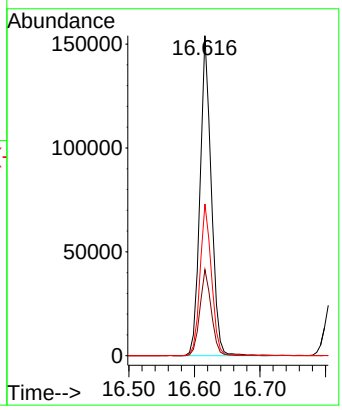


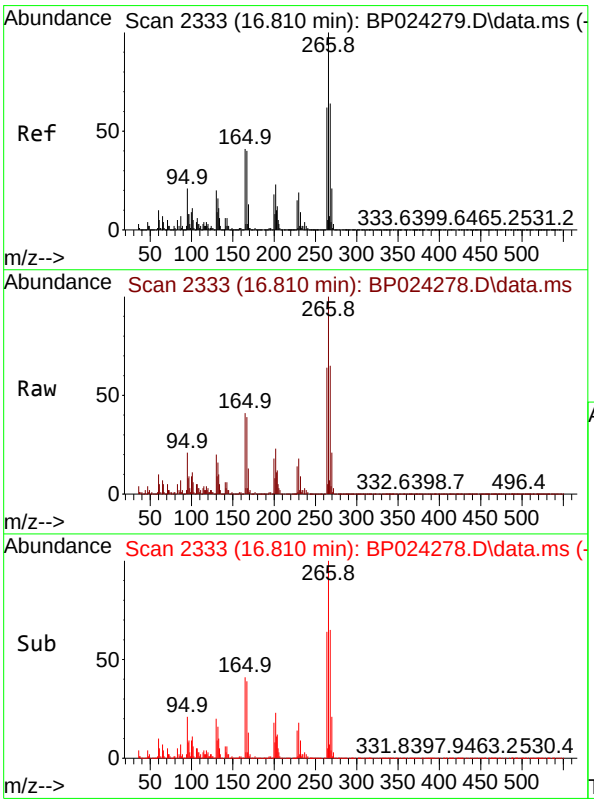
#69
Atrazine
Concen: 17.573 ng
RT: 16.616 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 184151

Ion	Ratio	Lower	Upper
200	100		
173	26.9	7.5	47.5
215	47.4	28.8	68.8

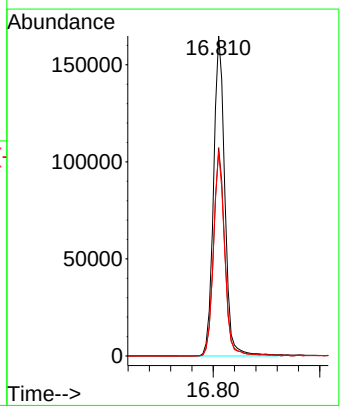


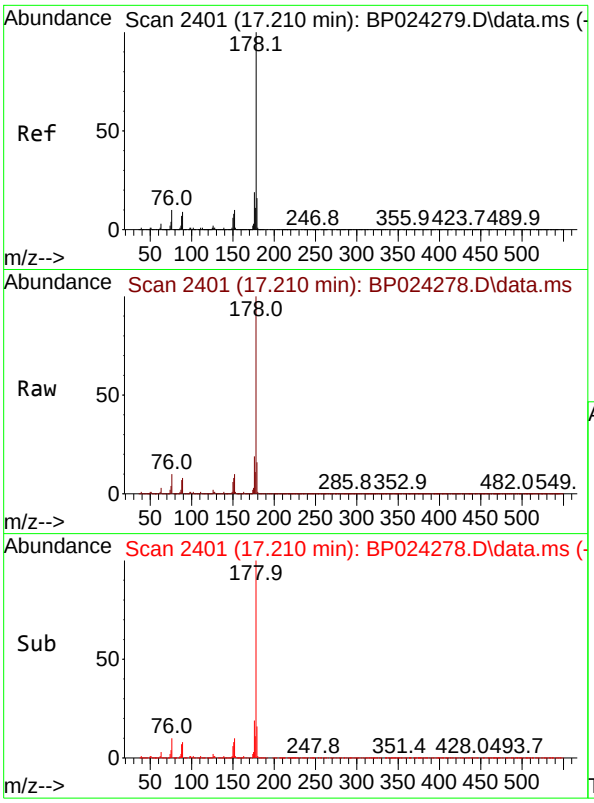


#70
Pentachlorophenol
Concen: 19.702 ng
RT: 16.810 min Scan# 2333
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:266 Resp: 241815

Ion	Ratio	Lower	Upper
266	100		
268	65.1	51.0	76.6
264	63.6	49.8	74.6



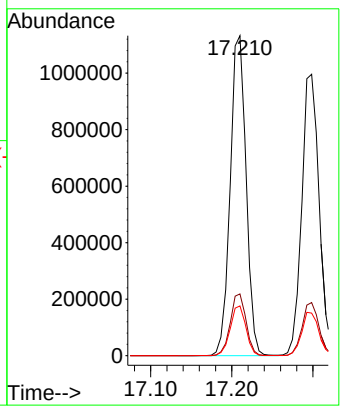


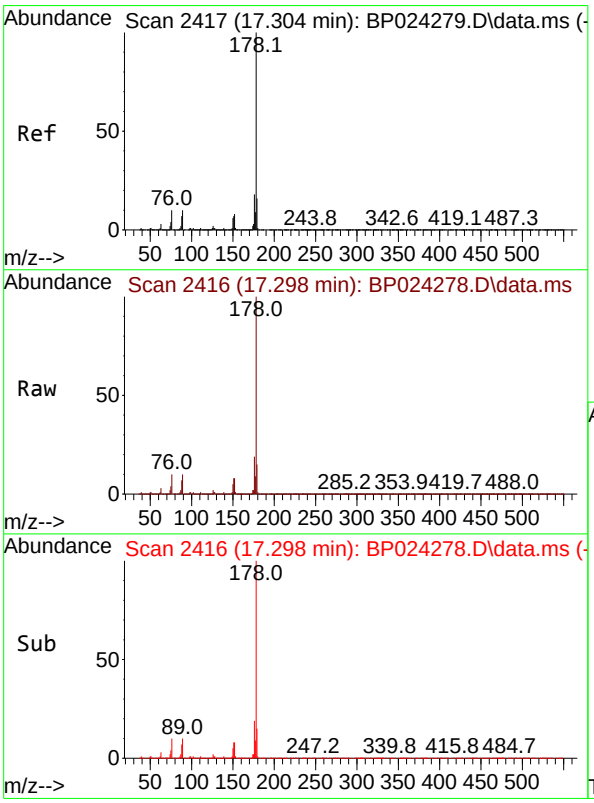
#71
Phenanthrene
Concen: 20.378 ng
RT: 17.210 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 1540112

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.6	12.5	18.7

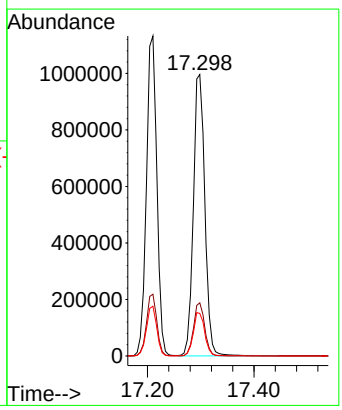


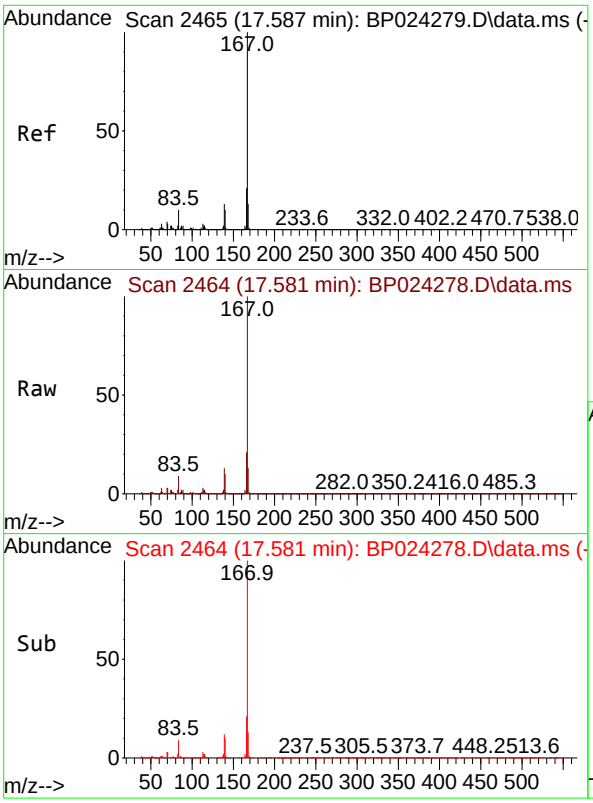


#72
Anthracene
Concen: 20.543 ng
RT: 17.298 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:178 Resp: 1494006

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.7	22.1
179	15.1	12.4	18.6



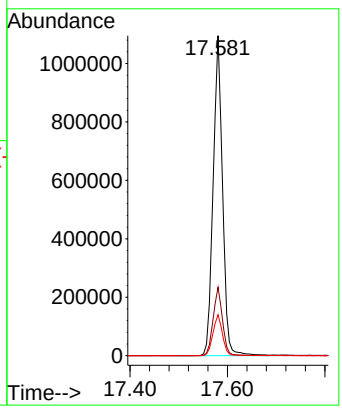


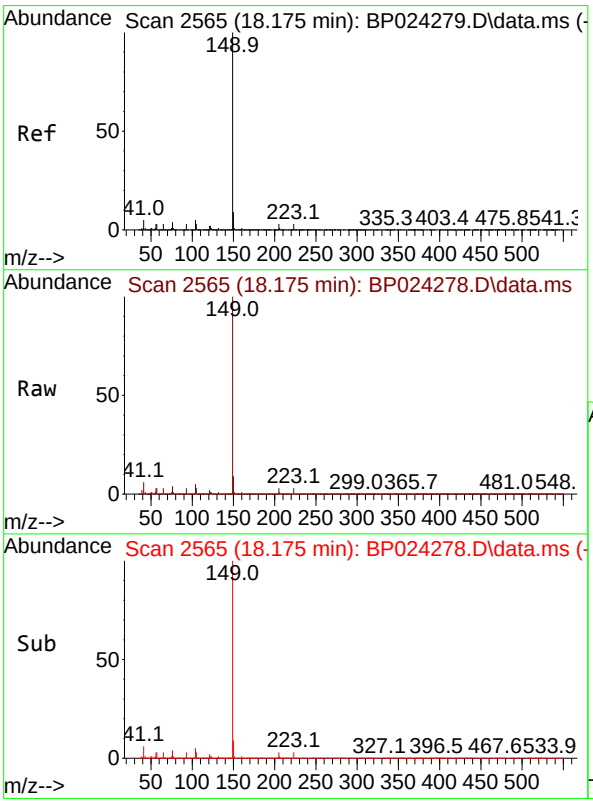
#73
Carbazole
Concen: 20.653 ng
RT: 17.581 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 1461729

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.1	25.7
139	12.8	10.6	16.0

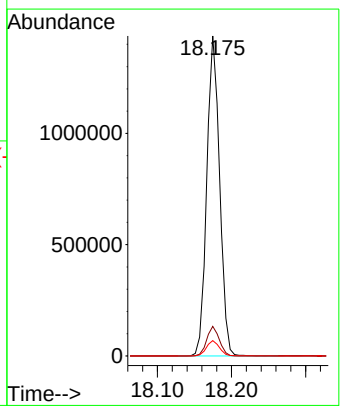


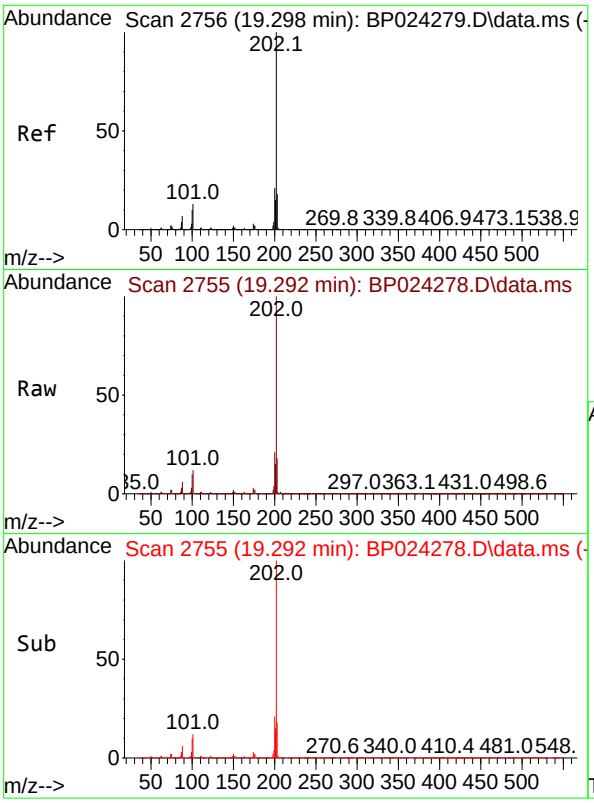


#74
Di-n-butylphthalate
Concen: 19.585 ng
RT: 18.175 min Scan# 2565
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:149 Resp: 1727074

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	4.8	3.9	5.9



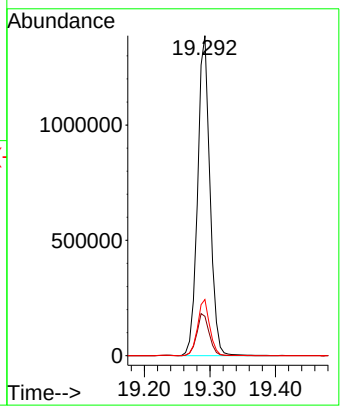


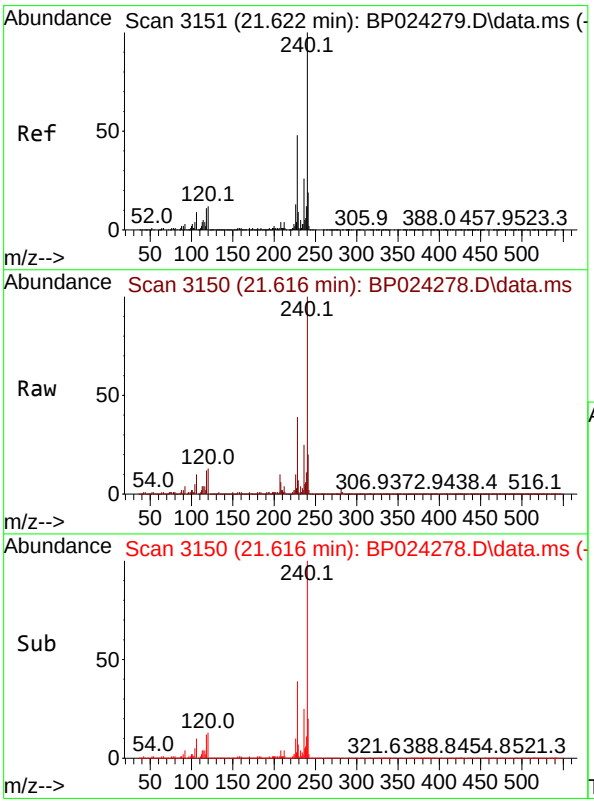
#75
Fluoranthene
Concen: 20.218 ng
RT: 19.292 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 1813662

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	33.2
203	17.6	0.0	37.7

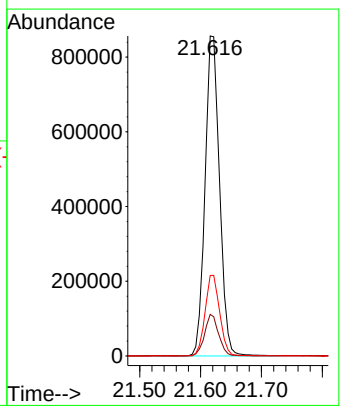


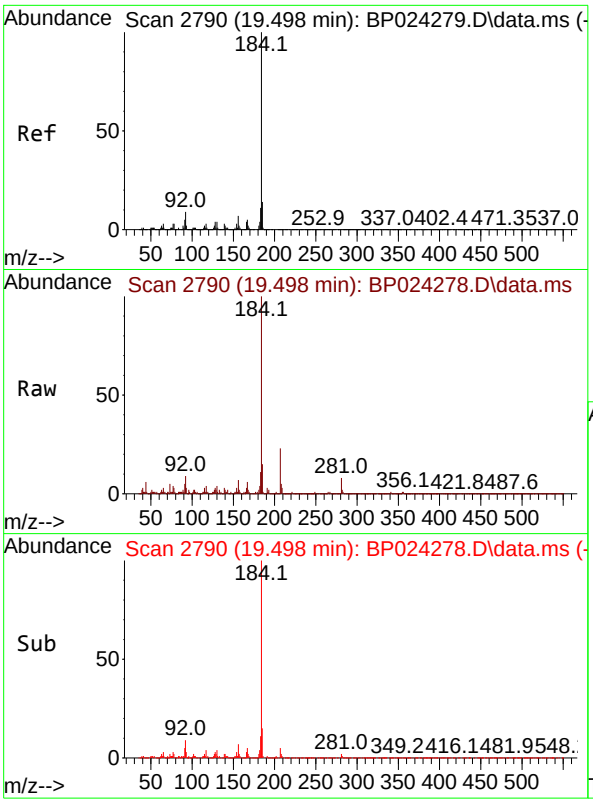


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.616 min Scan# 3150
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:240 Resp: 1415765

Ion	Ratio	Lower	Upper
240	100		
120	13.0	9.8	14.8
236	25.2	20.9	31.3



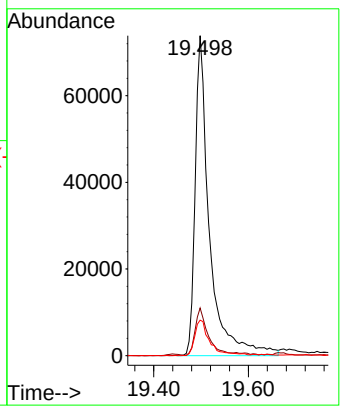


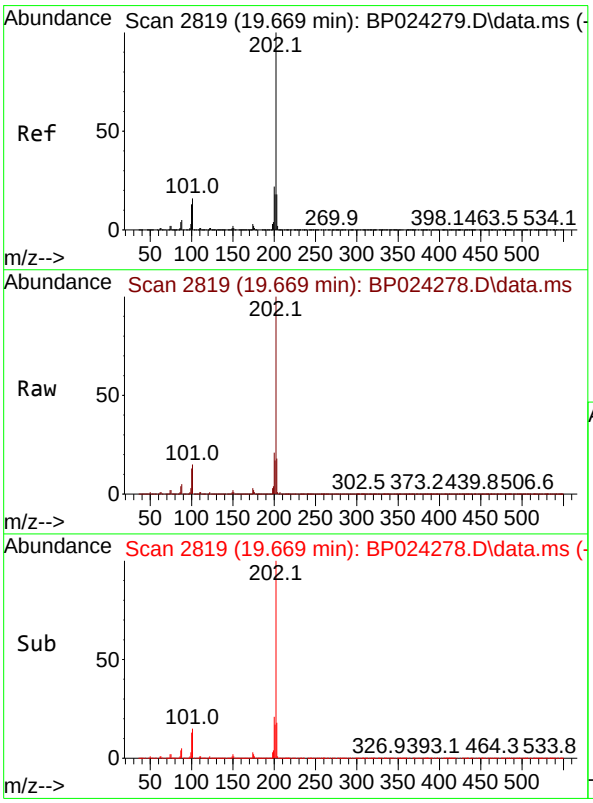
#77
Benzidine
Concen: 8.867 ng
RT: 19.498 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 154964

Ion	Ratio	Lower	Upper
184	100		
185	14.9	11.6	17.4
183	11.1	9.2	13.8

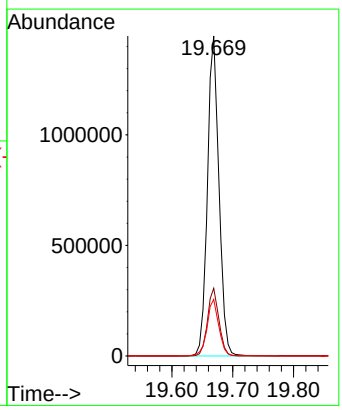


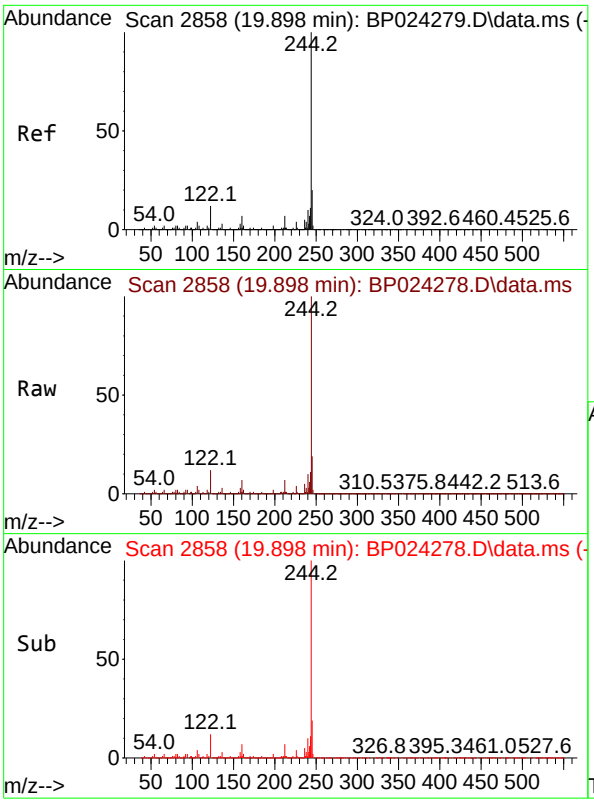


#78
Pyrene
Concen: 21.028 ng
RT: 19.669 min Scan# 2819
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:202 Resp: 1904884

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.2	25.8
203	17.6	14.4	21.6



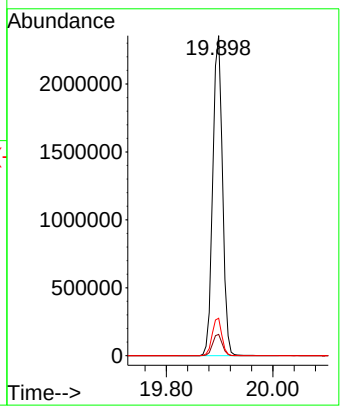


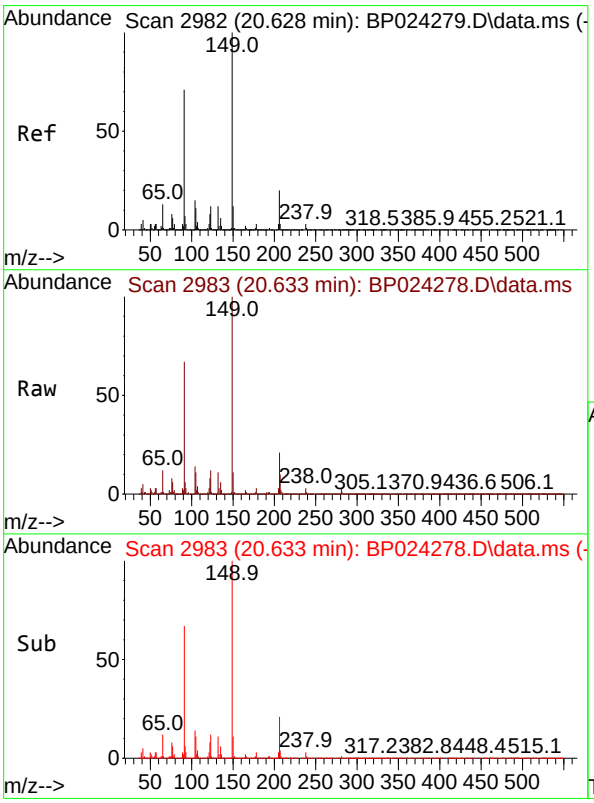
#79
Terphenyl-d14
Concen: 42.062 ng
RT: 19.898 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 2987245

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.6	8.4
122	11.7	9.4	14.0

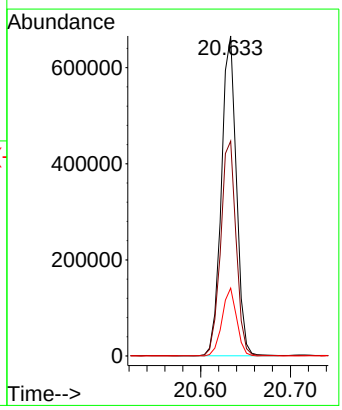


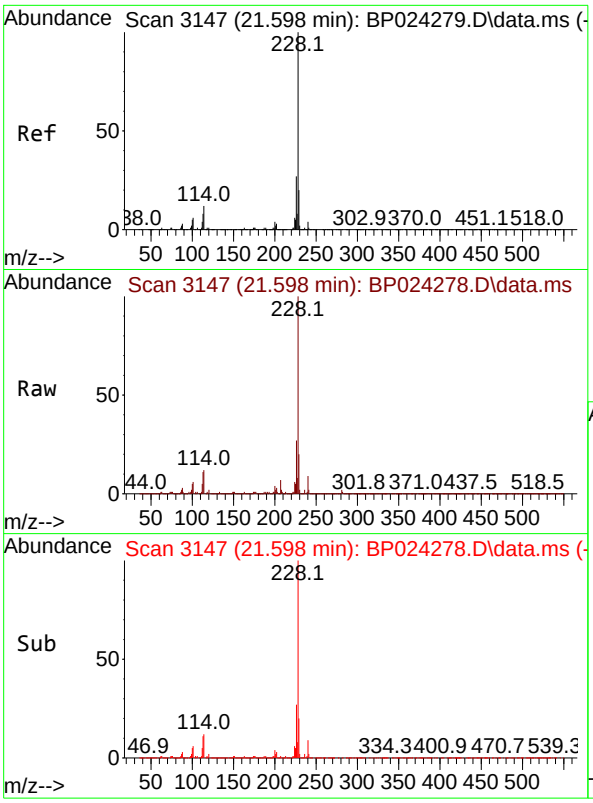


#80
Butylbenzylphthalate
Concen: 20.235 ng
RT: 20.633 min Scan# 2983
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:149 Resp: 772776

Ion	Ratio	Lower	Upper
149	100		
91	67.1	56.4	84.6
206	21.2	16.3	24.5



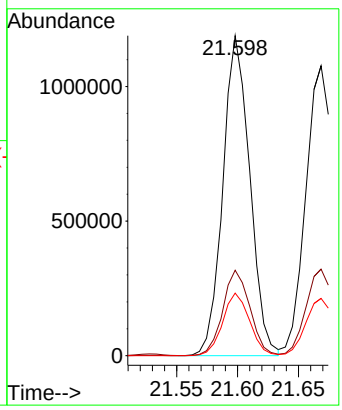


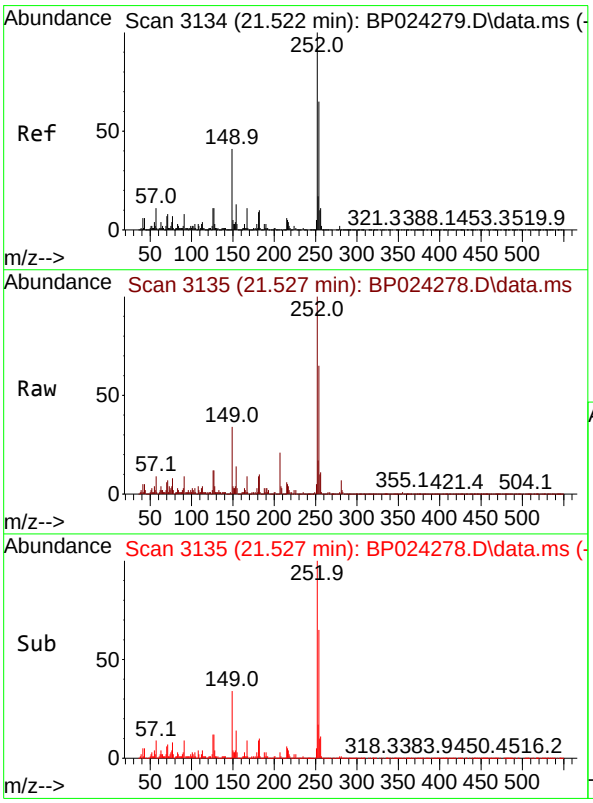
#81
Benzo(a)anthracene
Concen: 20.732 ng
RT: 21.598 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 1829798

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.8	32.8
229	19.6	15.9	23.9

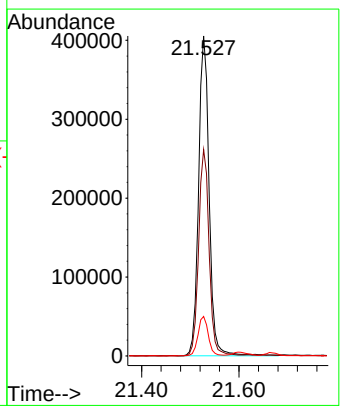


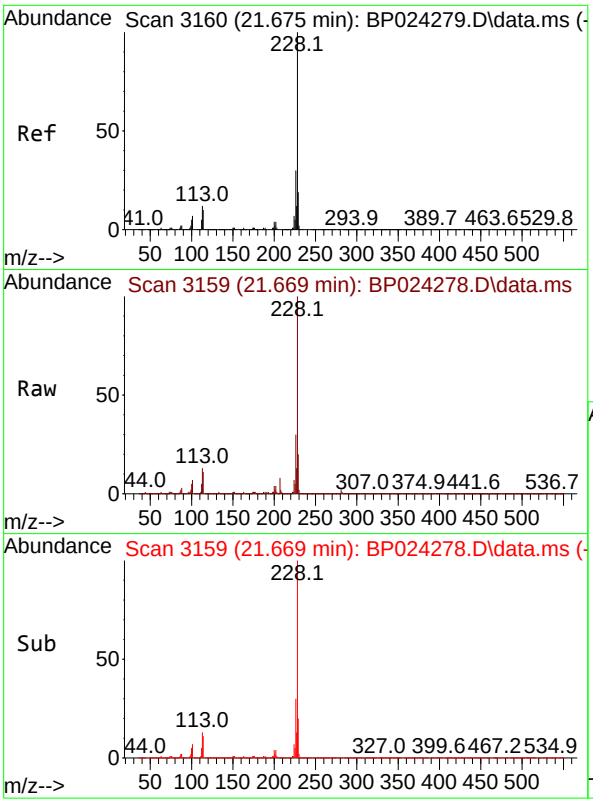


#82
3,3'-Dichlorobenzidine
Concen: 19.956 ng
RT: 21.527 min Scan# 3135
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:252 Resp: 610749

Ion	Ratio	Lower	Upper
252	100		
254	64.5	51.7	77.5
126	12.4	8.8	13.2



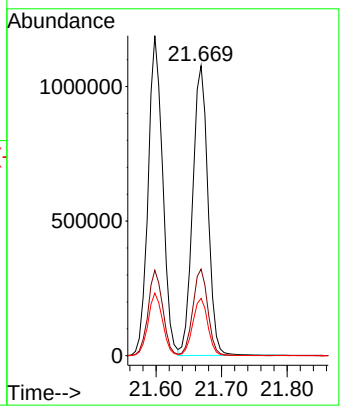


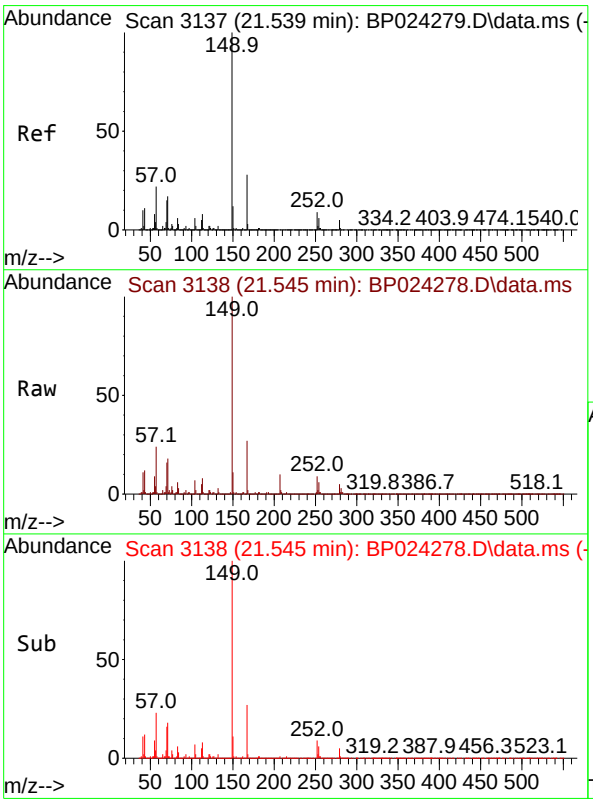
#83
Chrysene
Concen: 20.565 ng
RT: 21.669 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 1739548

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.2	36.2
229	19.8	15.6	23.4

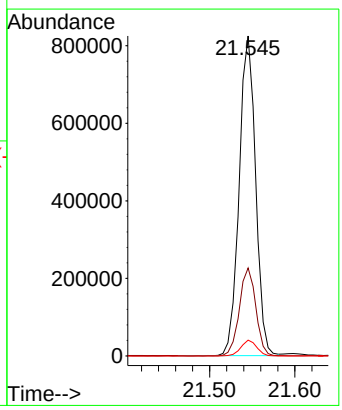


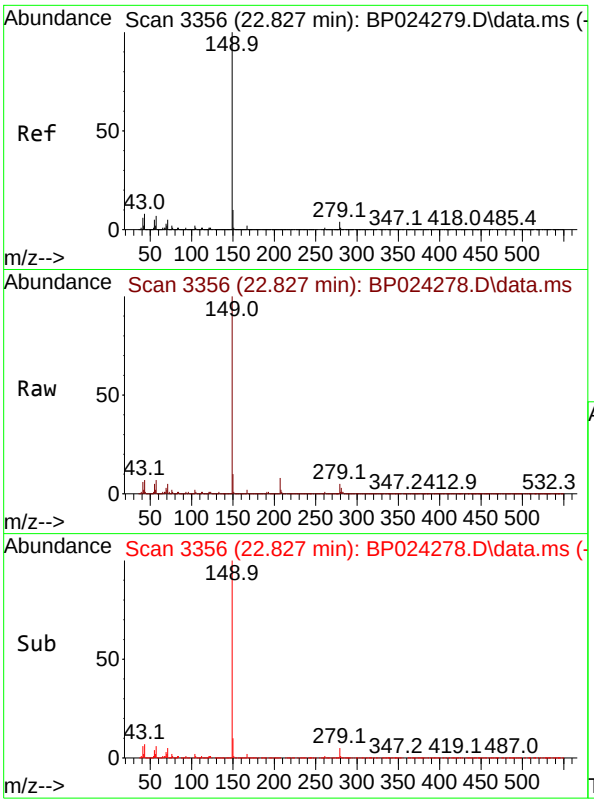


#84
Bis(2-ethylhexyl)phthalate
Concen: 19.616 ng
RT: 21.545 min Scan# 3138
Delta R.T. 0.006 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:149 Resp: 1103263

Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.4	33.6
279	4.9	4.0	6.0



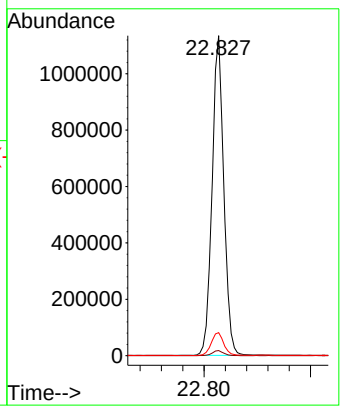


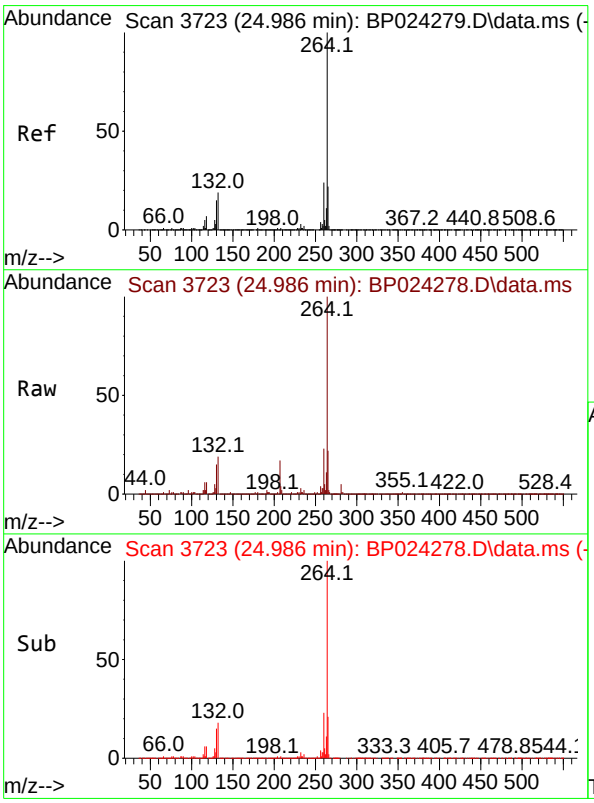
#85
Di-n-octyl phthalate
Concen: 19.207 ng
RT: 22.827 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 1730436

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	7.7	6.0	9.0

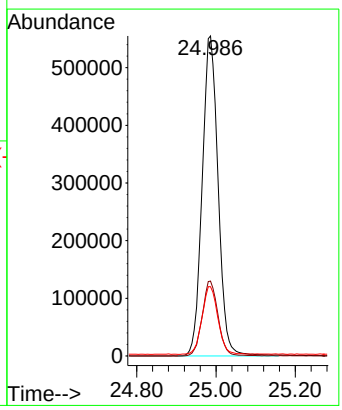


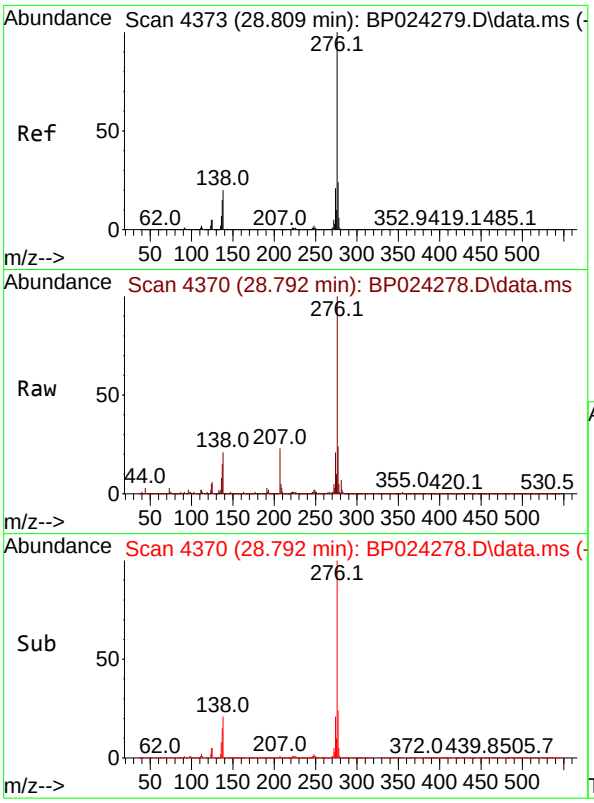


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.986 min Scan# 3723
Delta R.T. -0.000 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:264 Resp: 1549781

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.9	28.3
265	21.7	17.8	26.6



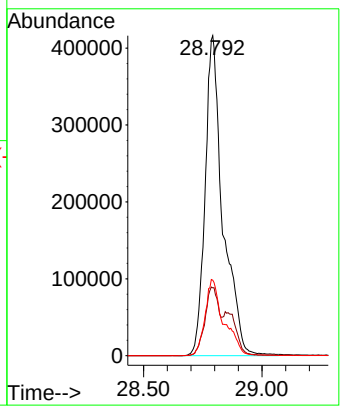


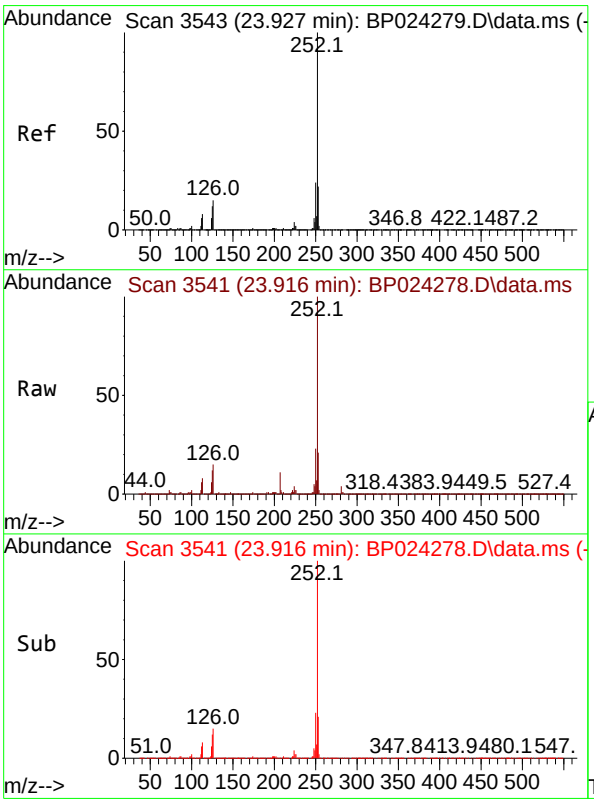
#87
Indeno(1,2,3-cd)pyrene
Concen: 20.454 ng
RT: 28.792 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 2180177

Ion	Ratio	Lower	Upper
276	100		
138	16.7	14.5	21.7
277	25.2	20.2	30.2

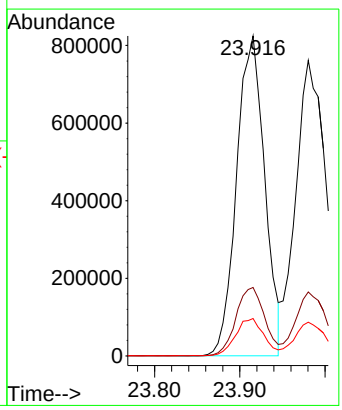


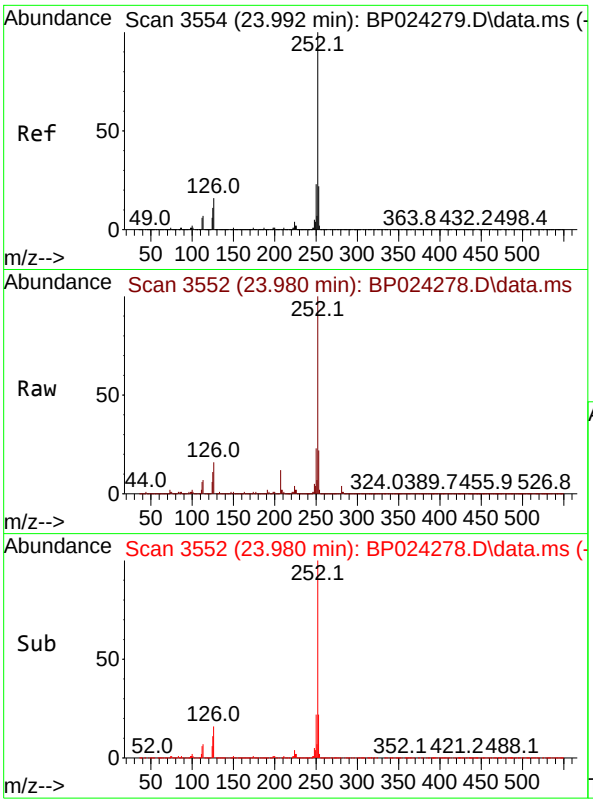


#88
Benzo(b)fluoranthene
Concen: 20.337 ng
RT: 23.916 min Scan# 3541
Delta R.T. -0.012 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:252 Resp: 1885654

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.7	26.5
125	11.7	9.4	14.0



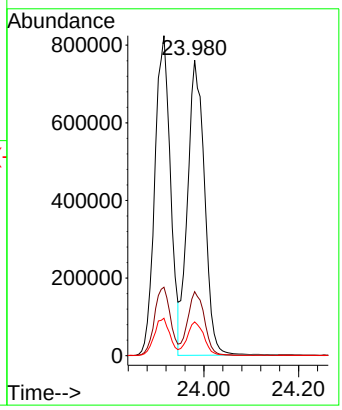


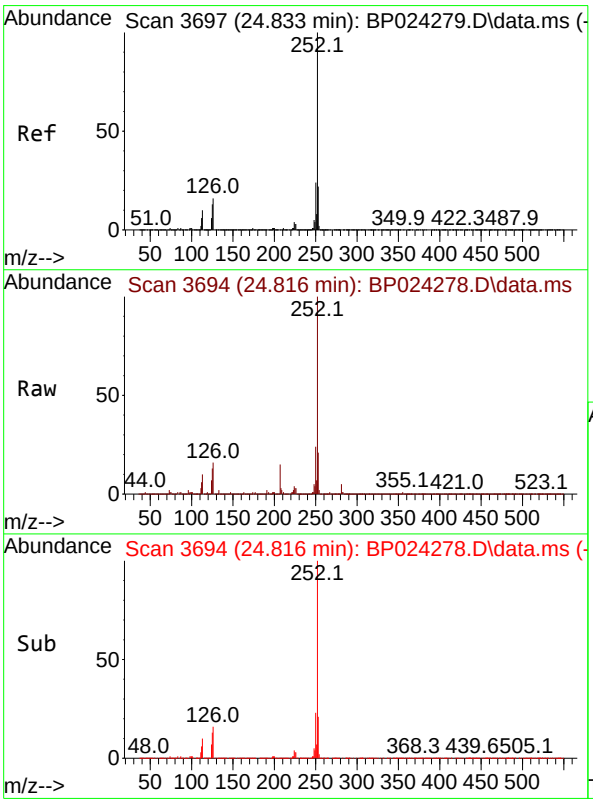
#89
Benzo(k)fluoranthene
Concen: 20.955 ng
RT: 23.980 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 1885747

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	11.4	9.1	13.7

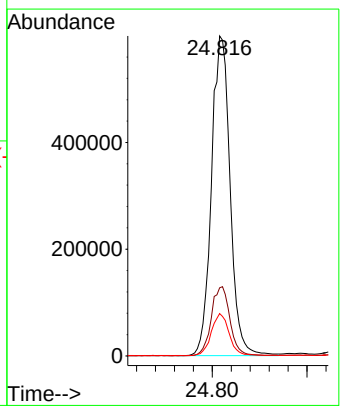


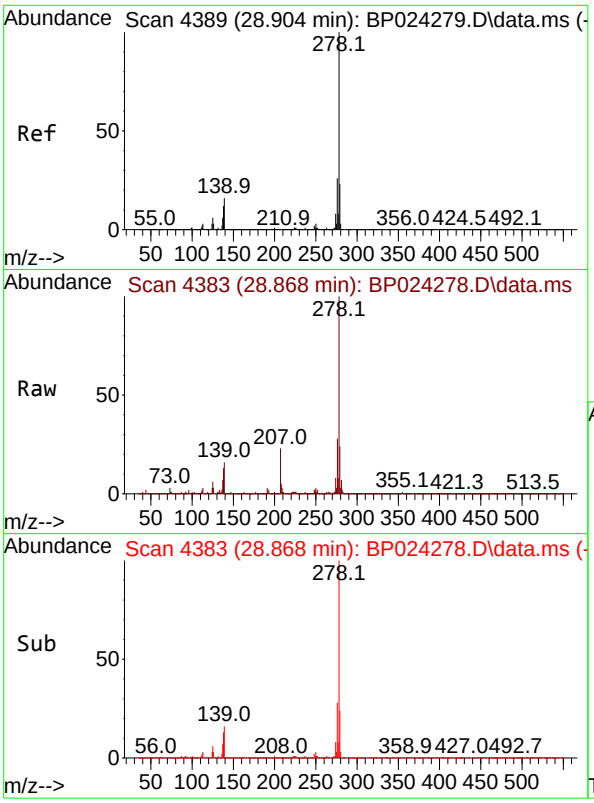


#90
Benzo(a)pyrene
Concen: 20.518 ng
RT: 24.816 min Scan# 3694
Delta R.T. -0.018 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:252 Resp: 1637648

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.6	26.4
125	13.2	10.1	15.1



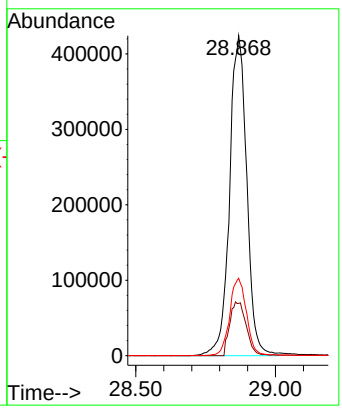


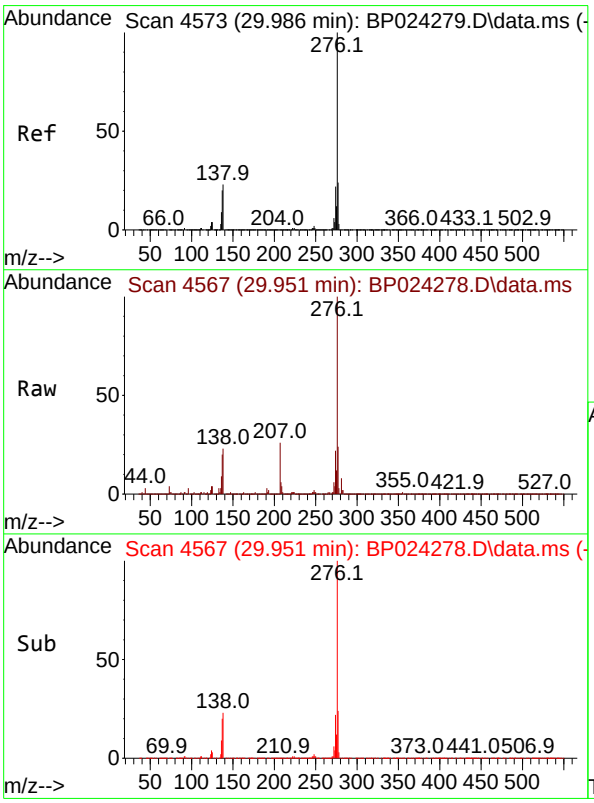
#91
Dibenzo(a,h)anthracene
Concen: 20.480 ng
RT: 28.868 min Scan# 4
Delta R.T. -0.035 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 1815743

Ion	Ratio	Lower	Upper
278	100		
139	16.4	12.6	19.0
279	24.2	18.5	27.7

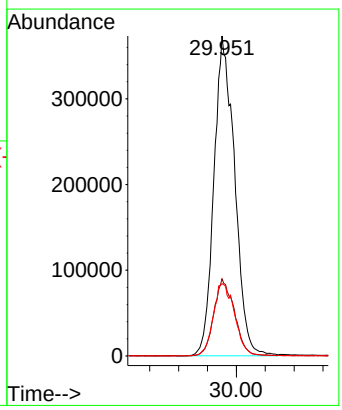




#92
Benzo(g,h,i)perylene
Concen: 20.571 ng
RT: 29.951 min Scan# 4567
Delta R.T. -0.035 min
Lab File: BP024278.D
Acq: 14 Apr 2025 13:08

Tgt Ion:276 Resp: 1856380

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.9	28.3
138	22.6	18.7	28.1



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024280.D
Acq On : 14 Apr 2025 15:10
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: Apr 14 17:26:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.734	152	277364	20.000	ng		0.00
21) Naphthalene-d8	10.504	136	1176925	20.000	ng		0.00
39) Acenaphthene-d10	14.363	164	760235	20.000	ng		0.00
64) Phenanthrene-d10	17.163	188	1505097	20.000	ng		0.00
76) Chrysene-d12	21.616	240	1527193	20.000	ng		0.00
86) Perylene-d12	24.986	264	1706545	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.352	112	1677842	99.834	ng		0.00
7) Phenol-d6	6.916	99	2353543	102.366	ng		0.00
23) Nitrobenzene-d5	8.881	82	2100100	101.588	ng		0.00
42) 2,4,6-Tribromophenol	15.881	330	1098486	105.521	ng		0.00
45) 2-Fluorobiphenyl	12.975	172	4800845	95.877	ng		0.00
79) Terphenyl-d14	19.898	244	7671902	100.142	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.293	88	333474	46.479	ng		100
3) Pyridine	3.687	79	738765	39.556	ng		98
4) n-Nitrosodimethylamine	3.593	42	306279	49.180	ng		99
6) Aniline	7.075	93	972988	46.879	ng		100
8) 2-Chlorophenol	7.310	128	942078	50.160	ng		99
9) Benzaldehyde	6.887	77	507606	42.627	ng		97
10) Phenol	6.946	94	1177623	51.012	ng		99
11) bis(2-Chloroethyl)ether	7.163	93	915679	49.085	ng		100
12) 1,3-Dichlorobenzene	7.622	146	972089	47.770	ng		100
13) 1,4-Dichlorobenzene	7.769	146	995872	48.262	ng		99
14) 1,2-Dichlorobenzene	8.087	146	944314	47.327	ng		99
15) Benzyl Alcohol	7.975	79	791998	53.745	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.257	45	973910	47.988	ng		99
17) 2-Methylphenol	8.175	107	766536	51.526	ng		100
18) Hexachloroethane	8.805	117	360999	48.472	ng		98
19) n-Nitroso-di-n-propyla...	8.534	70	722064	50.562	ng		98
20) 3+4-Methylphenols	8.505	107	1086273	52.718	ng		99
22) Acetophenone	8.546	105	1441728	49.289	ng	#	99
24) Nitrobenzene	8.922	77	1025983	50.074	ng		99
25) Isophorone	9.446	82	1913172	51.264	ng		99
26) 2-Nitrophenol	9.622	139	541332	55.024	ng		98
27) 2,4-Dimethylphenol	9.687	122	662183	53.106	ng		99
28) bis(2-Chloroethoxy)met...	9.922	93	1265001	49.803	ng		100
29) 2,4-Dichlorophenol	10.157	162	904519	53.225	ng		100
30) 1,2,4-Trichlorobenzene	10.369	180	908732	49.426	ng		98
31) Naphthalene	10.557	128	3049887	48.957	ng		100
32) Benzoic acid	9.851	122	794832	58.988	ng		99
33) 4-Chloroaniline	10.669	127	1110772	51.030	ng		99
34) Hexachlorobutadiene	10.840	225	533336	49.450	ng		99
35) Caprolactam	11.463	113	339834	54.466	ng		100
36) 4-Chloro-3-methylphenol	11.798	107	1046795	52.860	ng		99
37) 2-Methylnaphthalene	12.169	142	2156247	49.942	ng		99
38) 1-Methylnaphthalene	12.393	142	2095184	49.538	ng		99
40) 1,2,4,5-Tetrachloroben...	12.540	216	1034638	49.522	ng		99
41) Hexachlorocyclopentadiene	12.522	237	378578	51.614	ng		99
43) 2,4,6-Trichlorophenol	12.787	196	732902	53.315	ng		96

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024280.D
Acq On : 14 Apr 2025 15:10
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: Apr 14 17:26:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

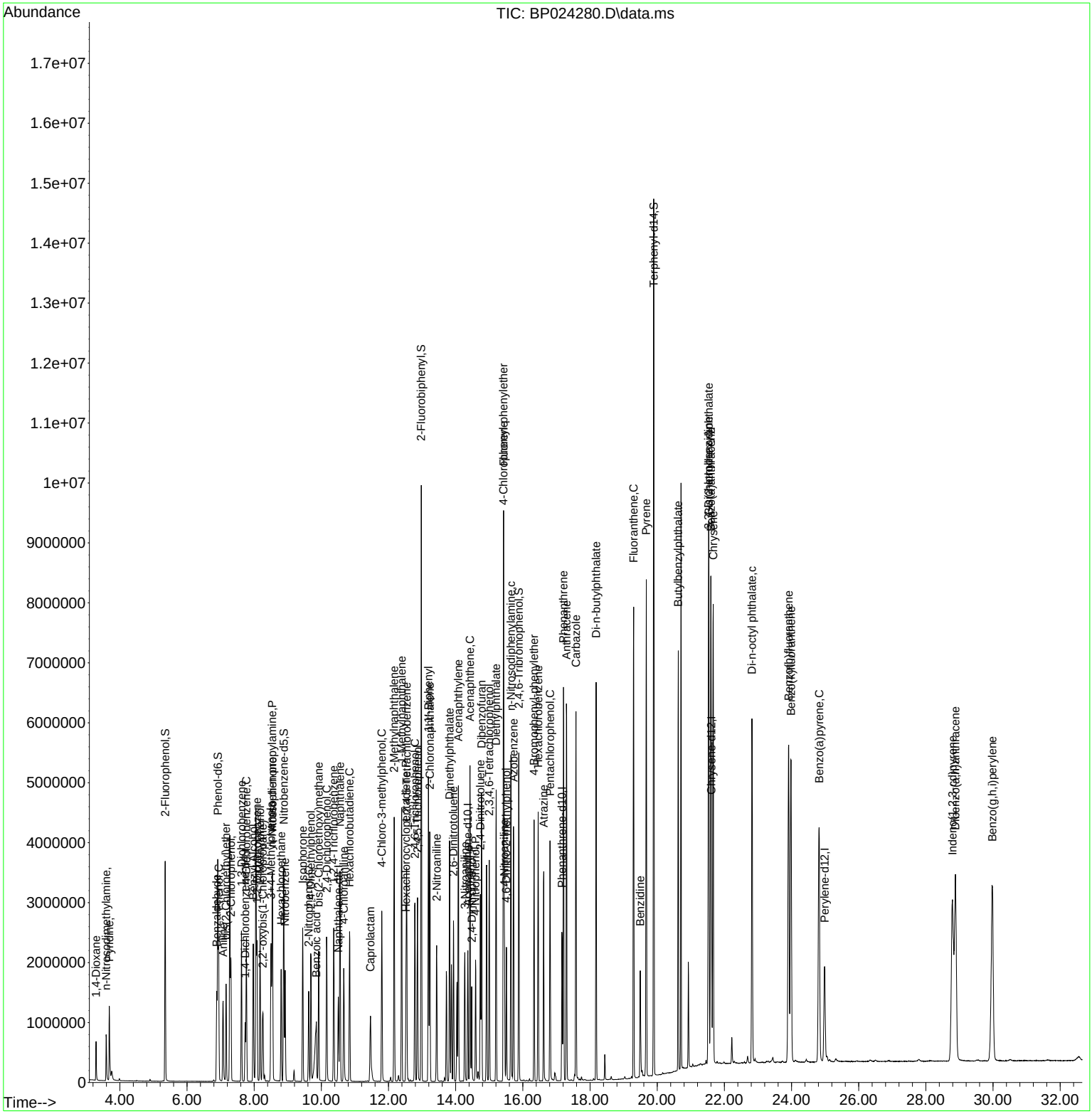
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.863	196	814885	53.491	ng	98
46) 1,1'-Biphenyl	13.187	154	2725840	48.551	ng	99
47) 2-Chloronaphthalene	13.234	162	2062098	49.220	ng	100
48) 2-Nitroaniline	13.434	65	616599	53.282	ng	98
49) Acenaphthylene	14.081	152	3279666	49.877	ng	100
50) Dimethylphthalate	13.822	163	2775759	50.046	ng	100
51) 2,6-Dinitrotoluene	13.934	165	606525	51.903	ng	98
52) Acenaphthene	14.428	154	2054333	49.128	ng	100
53) 3-Nitroaniline	14.275	138	649071	53.536	ng	98
54) 2,4-Dinitrophenol	14.481	184	373165	59.640	ng	99
55) Dibenzofuran	14.769	168	3318798	48.392	ng	100
56) 4-Nitrophenol	14.592	139	581023	55.750	ng	97
57) 2,4-Dinitrotoluene	14.734	165	839701	53.160	ng	99
58) Fluorene	15.428	166	2599105	49.085	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.998	232	734741	52.128	ng	100
60) Diethylphthalate	15.204	149	2849294	49.914	ng	100
61) 4-Chlorophenyl-phenyle...	15.422	204	1267291	49.287	ng	99
62) 4-Nitroaniline	15.451	138	691081	53.764	ng	96
63) Azobenzene	15.722	77	2632843	50.076	ng	99
65) 4,6-Dinitro-2-methylph...	15.510	198	503765	57.285	ng	97
66) n-Nitrosodiphenylamine	15.645	169	2225475	49.312	ng	100
67) 4-Bromophenyl-phenylether	16.334	248	827245	50.389	ng	99
68) Hexachlorobenzene	16.457	284	983768	50.405	ng	98
69) Atrazine	16.622	200	610479	53.356	ng	100
70) Pentachlorophenol	16.810	266	739779	55.203	ng	99
71) Phenanthrene	17.210	178	4024282	48.768	ng	100
72) Anthracene	17.298	178	3960913	49.883	ng	100
73) Carbazole	17.581	167	3814743	49.364	ng	100
74) Di-n-butylphthalate	18.180	149	4930617	51.208	ng	100
75) Fluoranthene	19.298	202	4815021	49.160	ng	99
77) Benzidine	19.498	184	1272924	67.525	ng	99
78) Pyrene	19.675	202	4942328	50.577	ng	100
80) Butylbenzylphthalate	20.627	149	2215843	53.788	ng	97
81) Benzo(a)anthracene	21.598	228	4711301	49.485	ng	99
82) 3,3'-Dichlorobenzidine	21.527	252	1768950	53.582	ng	99
83) Chrysene	21.669	228	4480150	49.099	ng	100
84) Bis(2-ethylhexyl)phtha...	21.539	149	3256722	53.679	ng	99
85) Di-n-octyl phthalate	22.821	149	5458484	56.166	ng	99
87) Indeno(1,2,3-cd)pyrene	28.792	276	5183145	44.161	ng	96
88) Benzo(b)fluoranthene	23.915	252	5102465	49.975	ng	99
89) Benzo(k)fluoranthene	23.986	252	4923203	49.683	ng	99
90) Benzo(a)pyrene	24.821	252	4490517	51.093	ng	100
91) Dibenzo(a,h)anthracene	28.880	278	4987219	51.084	ng	98
92) Benzo(g,h,i)perylene	29.980	276	5033807	50.656	ng	99

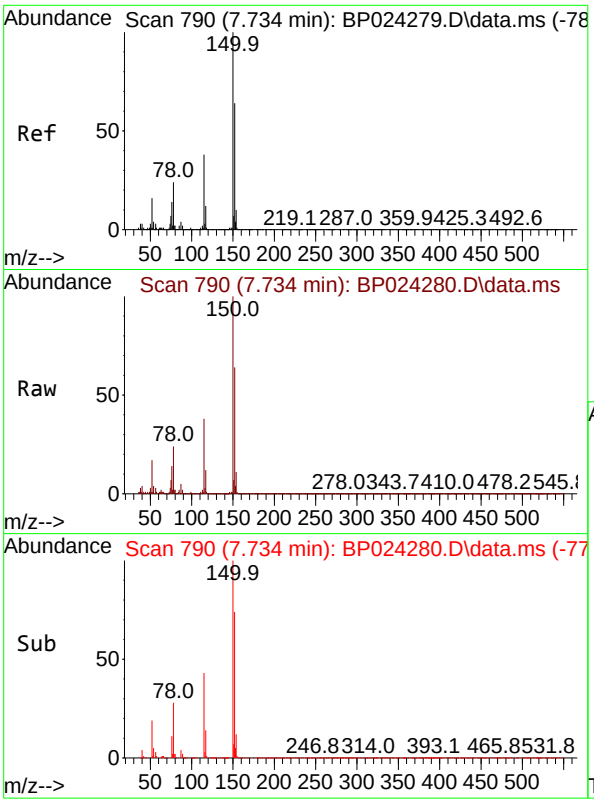
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024280.D
Acq On : 14 Apr 2025 15:10
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: Apr 14 17:26:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration



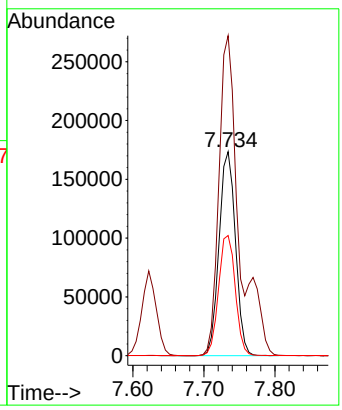


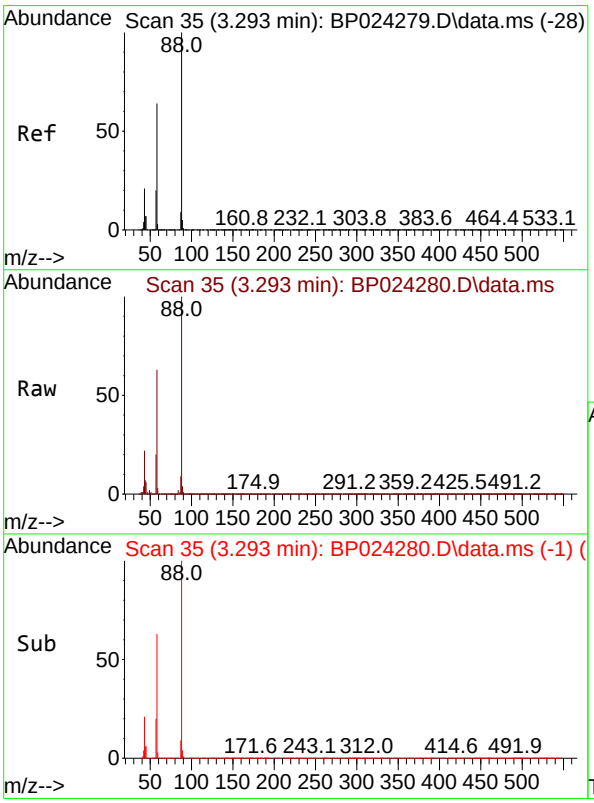
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.734 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 277364

Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.9	187.3
115	58.9	47.7	71.5

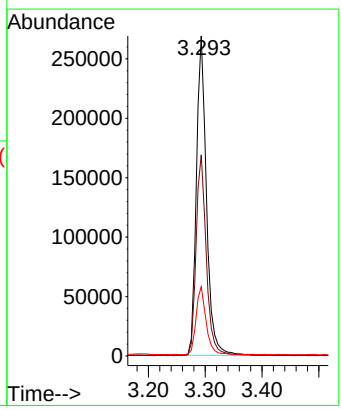


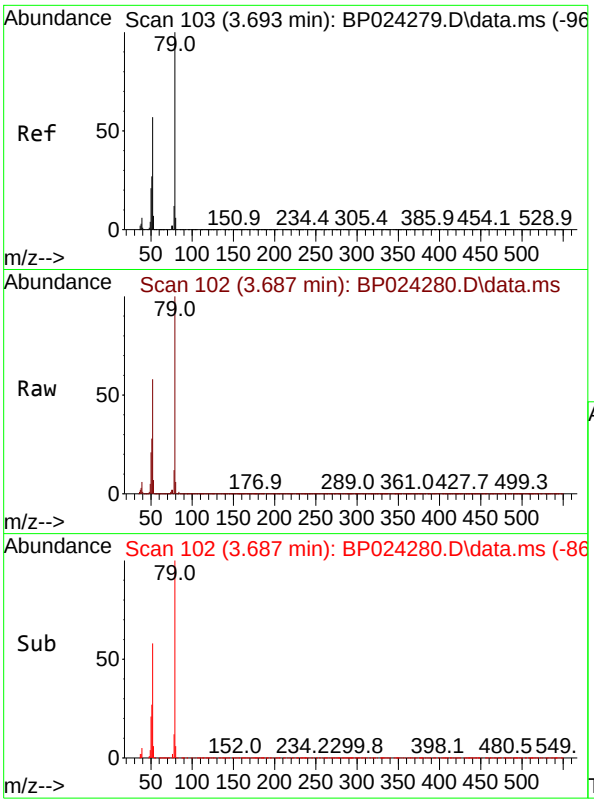


#2
1,4-Dioxane
Concen: 46.479 ng
RT: 3.293 min Scan# 35
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion: 88 Resp: 333474

Ion	Ratio	Lower	Upper
88	100		
58	64.0	51.4	77.2
43	21.2	17.1	25.7



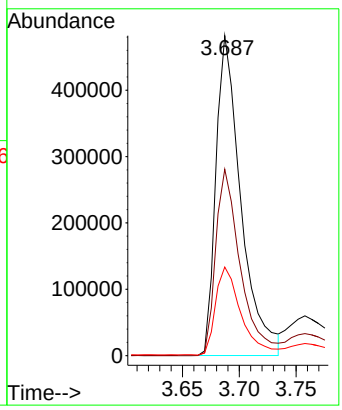


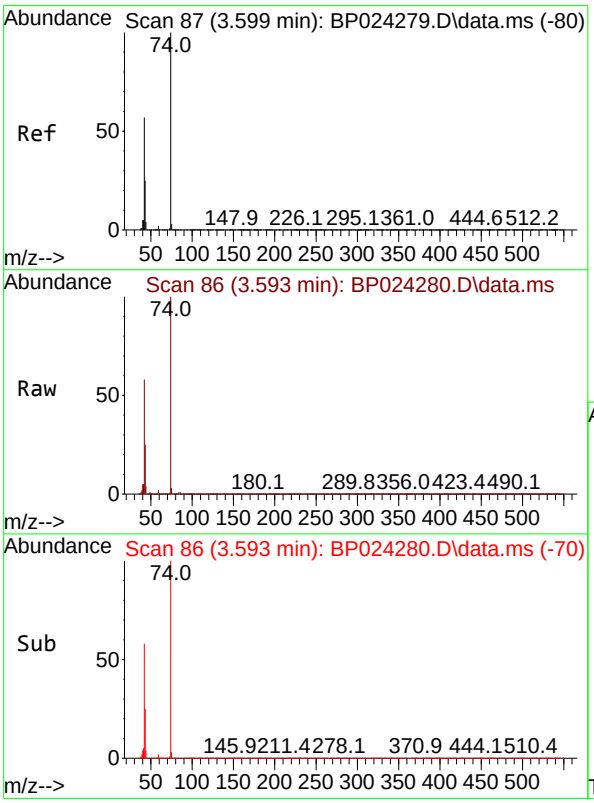
#3
Pyridine
Concen: 39.556 ng
RT: 3.687 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 738765

Ion	Ratio	Lower	Upper
79	100		
52	58.2	45.4	68.2
51	27.7	22.6	33.8

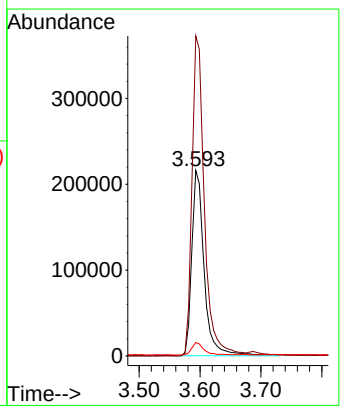


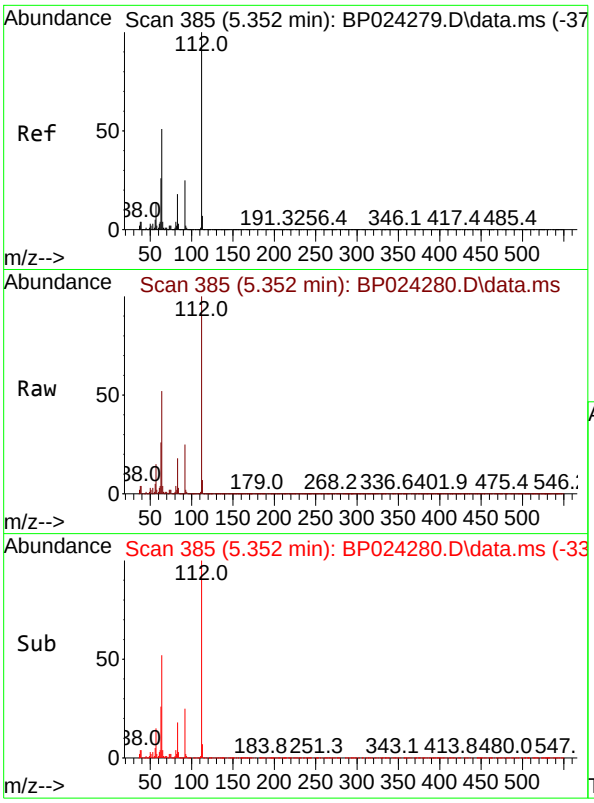


#4
n-Nitrosodimethylamine
Concen: 49.180 ng
RT: 3.593 min Scan# 86
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion: 42 Resp: 306279

Ion	Ratio	Lower	Upper
42	100		
74	172.6	139.5	209.3
44	7.3	5.8	8.8



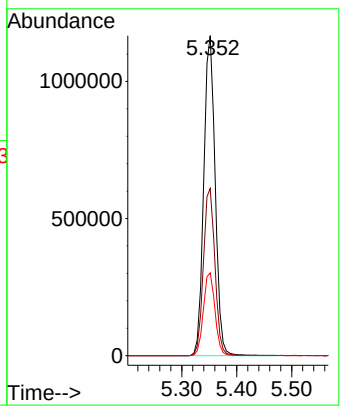


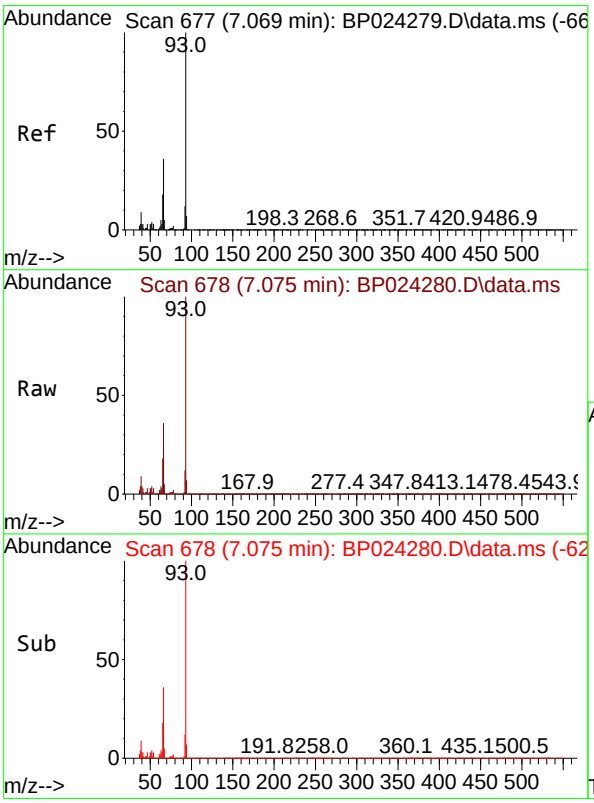
#5
2-Fluorophenol
Concen: 99.834 ng
RT: 5.352 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 1677842

Ion	Ratio	Lower	Upper
112	100		
64	52.2	41.1	61.7
63	25.9	20.6	30.8

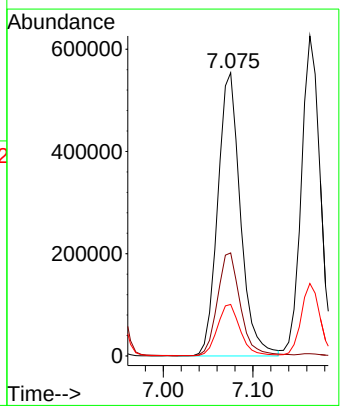


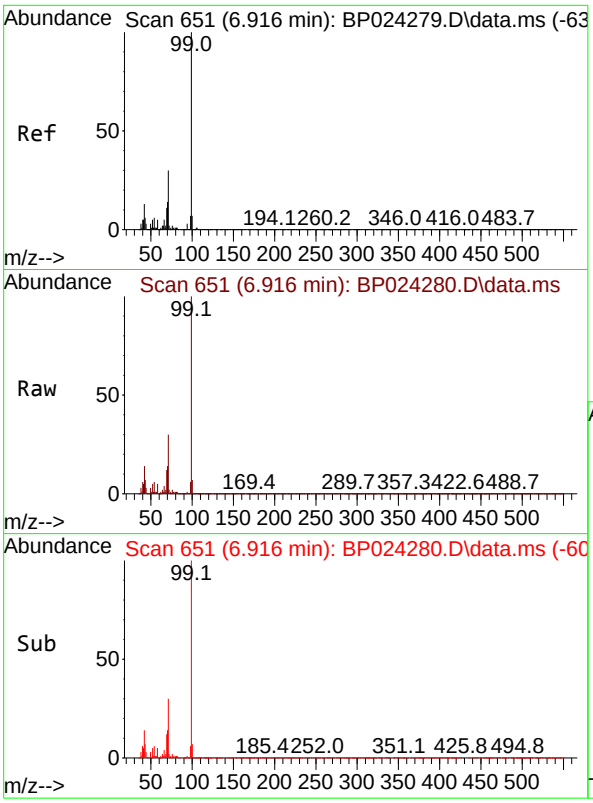


#6
Aniline
Concen: 46.879 ng
RT: 7.075 min Scan# 678
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion: 93 Resp: 972988

Ion	Ratio	Lower	Upper
93	100		
66	36.4	29.1	43.7
65	18.2	14.7	22.1



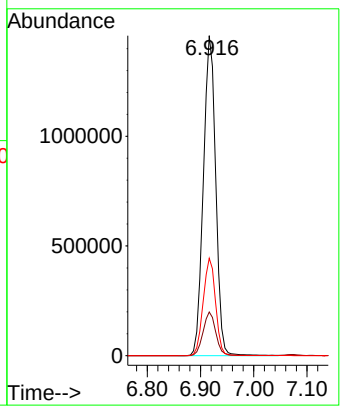


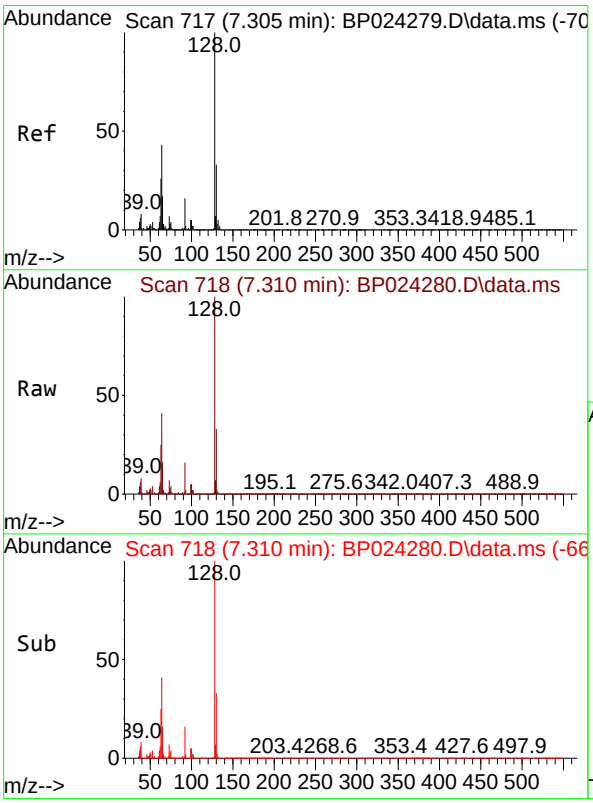
#7
Phenol-d6
Concen: 102.366 ng
RT: 6.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 2353543

Ion	Ratio	Lower	Upper
99	100		
42	13.7	10.6	16.0
71	30.4	23.7	35.5

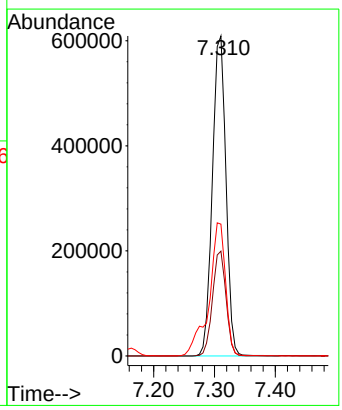


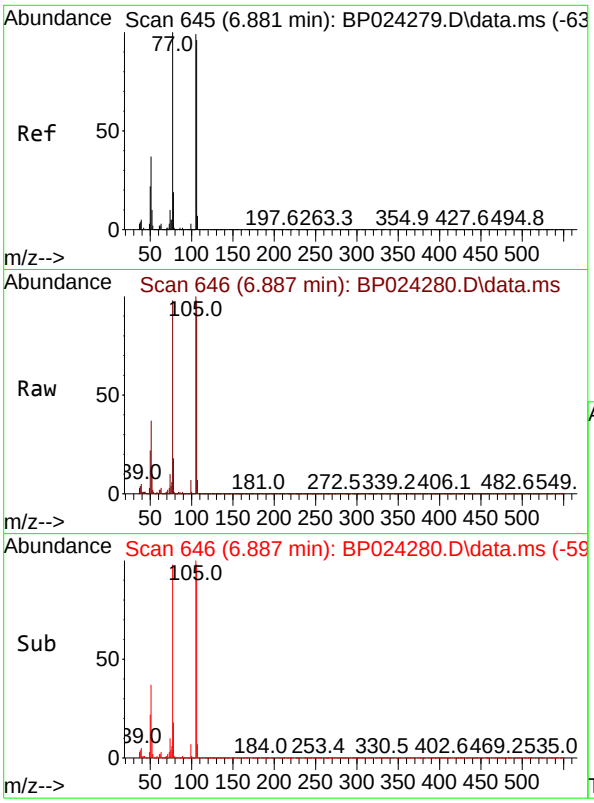


#8
2-Chlorophenol
Concen: 50.160 ng
RT: 7.310 min Scan# 718
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:128 Resp: 942078

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.9	52.9
64	41.2	22.7	62.7



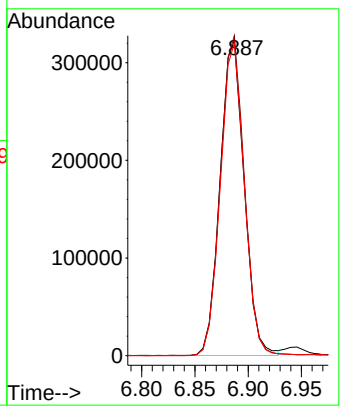


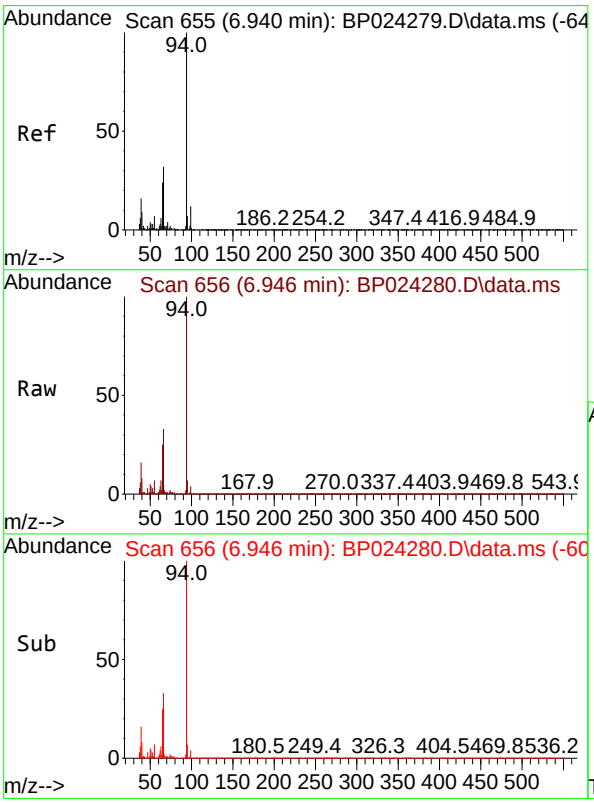
#9
Benzaldehyde
Concen: 42.627 ng
RT: 6.887 min Scan# 64
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 507606

Ion	Ratio	Lower	Upper
77	100		
105	101.5	79.2	119.2
106	99.2	76.2	116.2

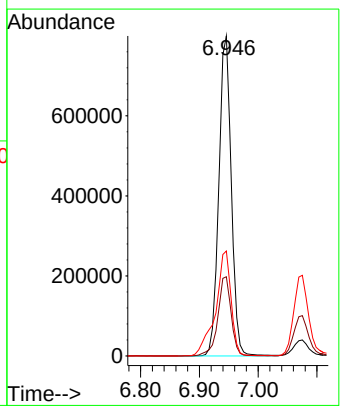


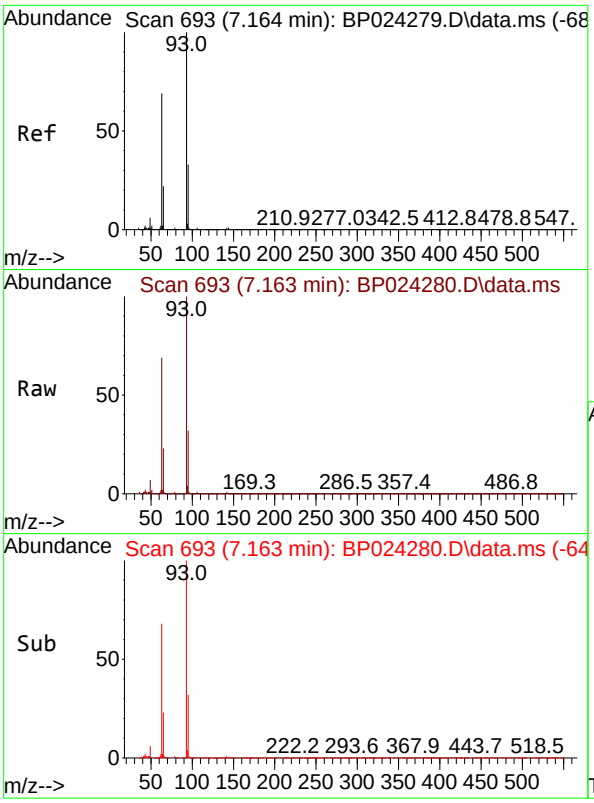


#10
Phenol
Concen: 51.012 ng
RT: 6.946 min Scan# 656
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion: 94 Resp: 1177623

Ion	Ratio	Lower	Upper
94	100		
65	24.8	4.5	44.5
66	32.8	12.4	52.4



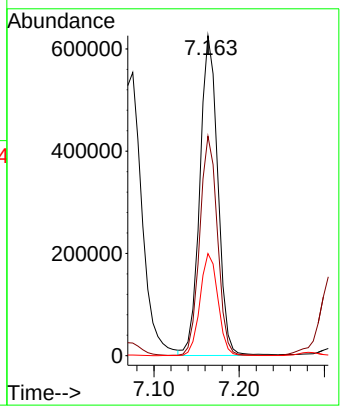


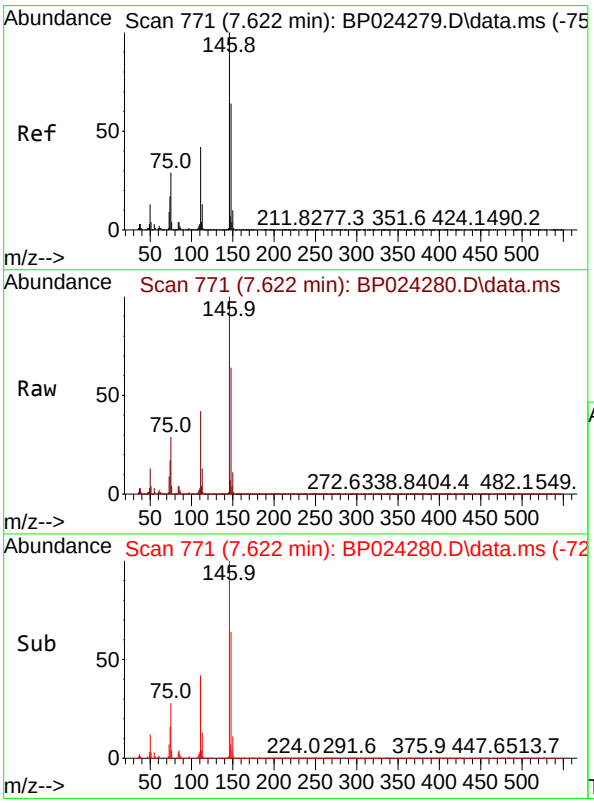
#11
bis(2-Chloroethyl)ether
Concen: 49.085 ng
RT: 7.163 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 915679

Ion	Ratio	Lower	Upper
93	100		
63	68.6	48.6	88.6
95	31.9	12.3	52.3

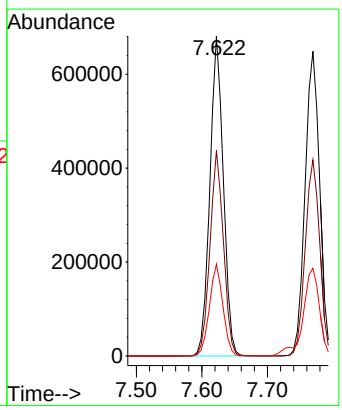


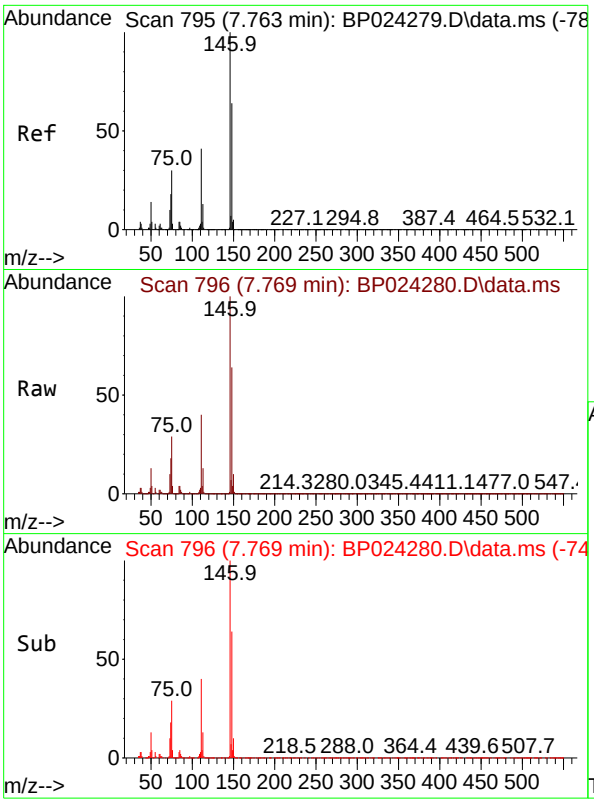


#12
1,3-Dichlorobenzene
Concen: 47.770 ng
RT: 7.622 min Scan# 771
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:146 Resp: 972089

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.4	77.0
75	28.7	22.9	34.3



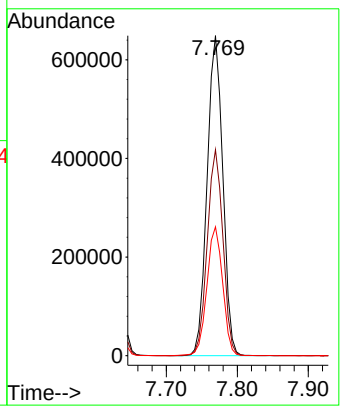


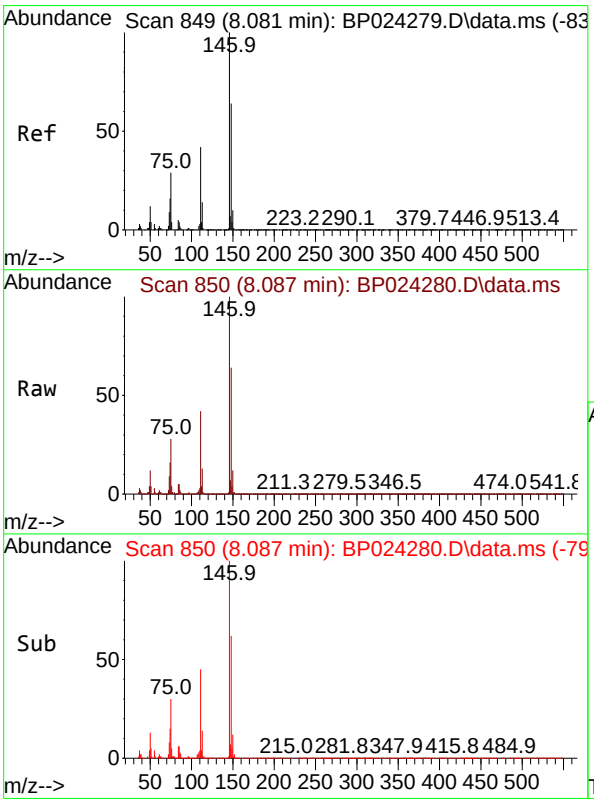
#13
1,4-Dichlorobenzene
Concen: 48.262 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 995872

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.1	76.7
111	40.3	32.6	48.8

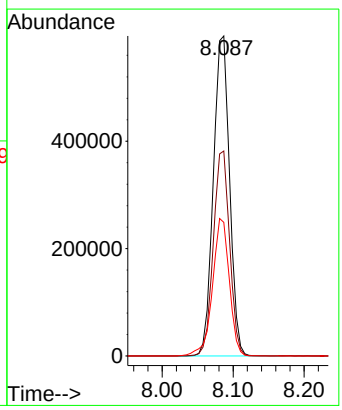


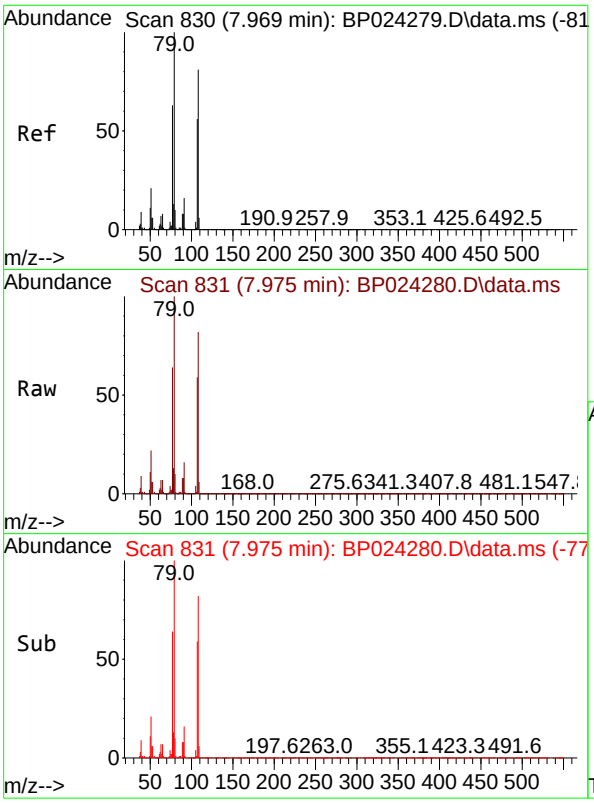


#14
1,2-Dichlorobenzene
Concen: 47.327 ng
RT: 8.087 min Scan# 850
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:146 Resp: 944314

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.0	76.4
111	41.8	33.8	50.8



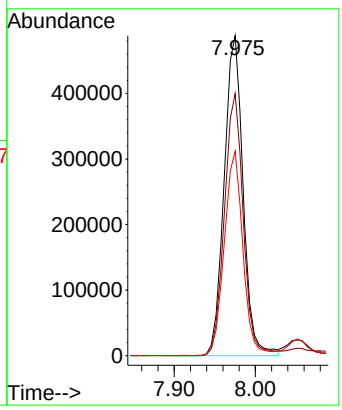


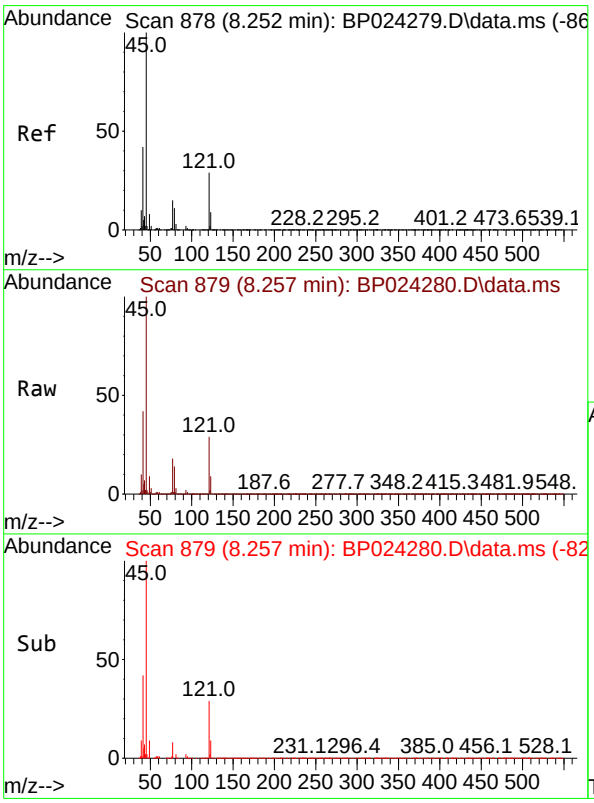
#15
Benzyl Alcohol
Concen: 53.745 ng
RT: 7.975 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 791998

Ion	Ratio	Lower	Upper
79	100		
108	81.9	65.1	97.7
77	63.9	50.7	76.1

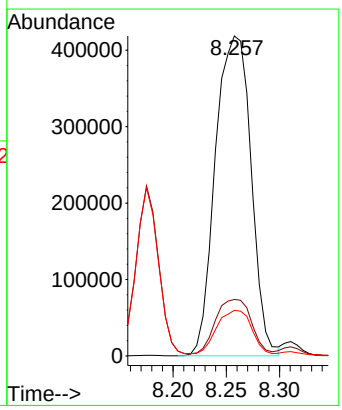


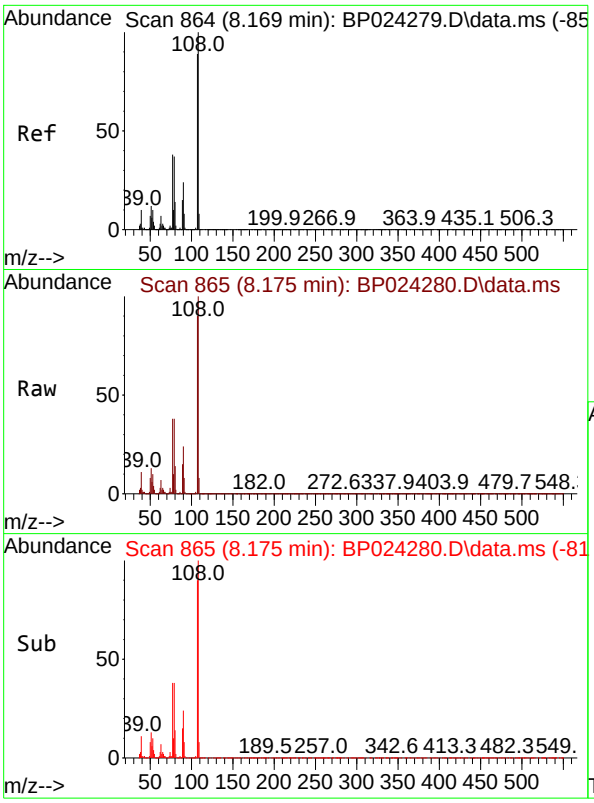


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.988 ng
RT: 8.257 min Scan# 879
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion: 45 Resp: 973910

Ion	Ratio	Lower	Upper
45	100		
77	17.6	0.0	37.7
79	14.2	0.0	33.5



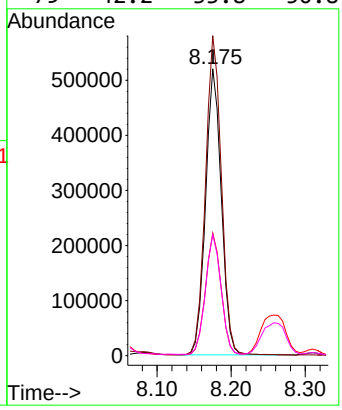


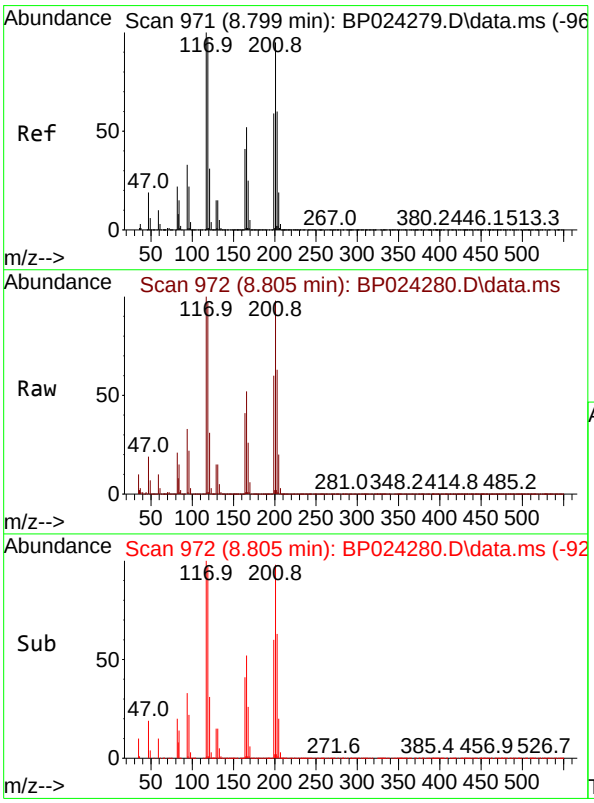
#17
2-Methylphenol
Concen: 51.526 ng
RT: 8.175 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 766536

Ion	Ratio	Lower	Upper
107	100		
108	111.5	89.8	134.6
77	42.7	34.2	51.4
79	42.2	33.8	50.8

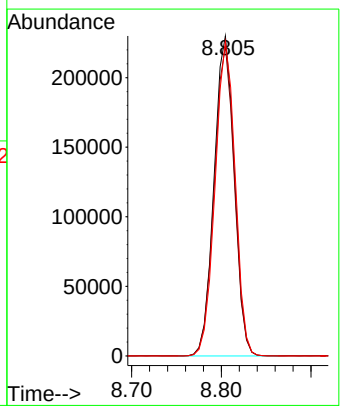


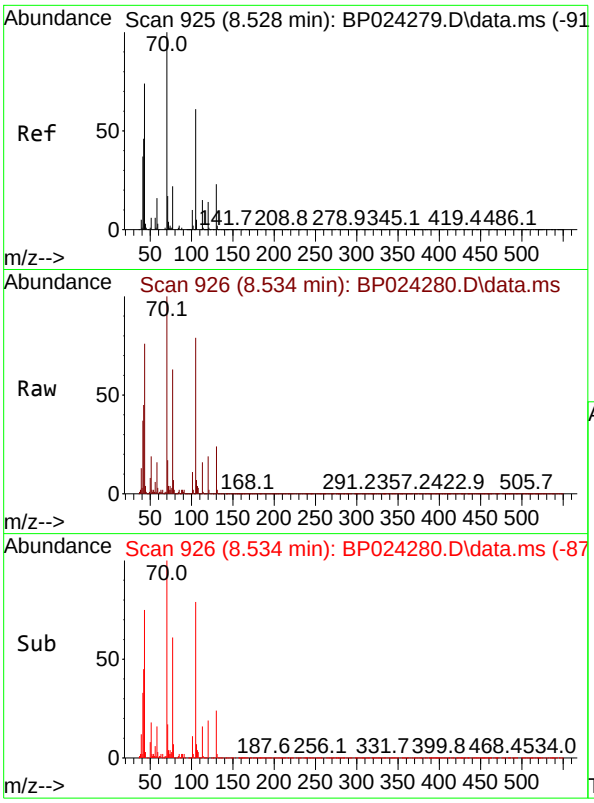


#18
Hexachloroethane
Concen: 48.472 ng
RT: 8.805 min Scan# 972
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:117 Resp: 360999

Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.8	116.6
201	98.2	75.9	113.9



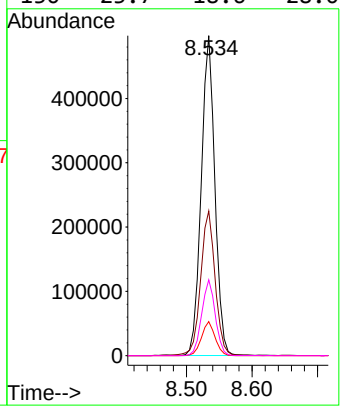


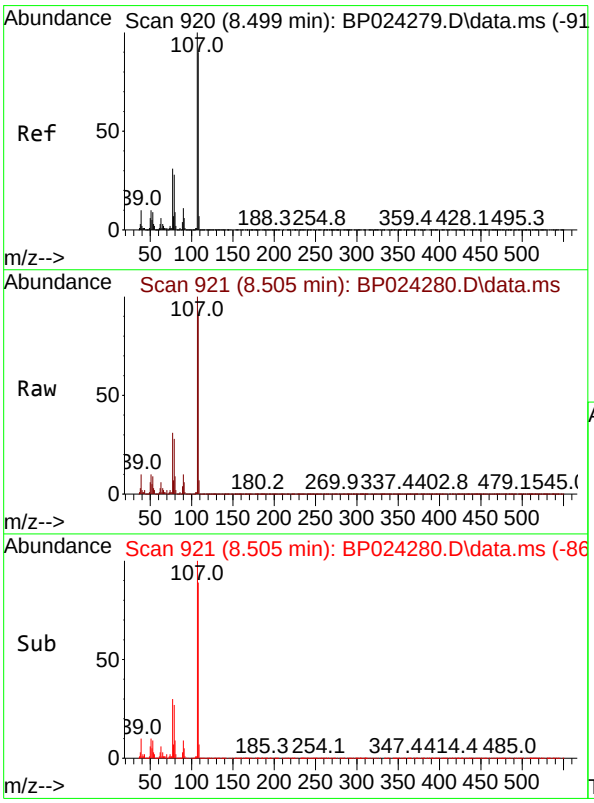
#19
n-Nitroso-di-n-propylamine
Concen: 50.562 ng
RT: 8.534 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 722064

Ion	Ratio	Lower	Upper
70	100		
42	45.2	37.3	55.9
101	10.6	8.2	12.4
130	23.7	18.6	28.0

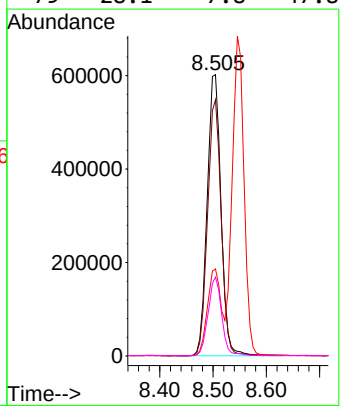


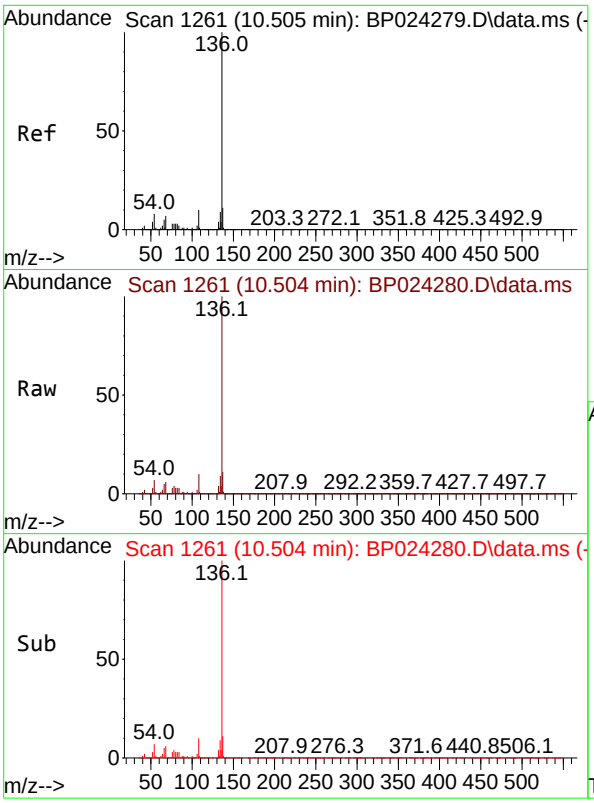


#20
3+4-Methylphenols
Concen: 52.718 ng
RT: 8.505 min Scan# 921
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:107 Resp: 1086273

Ion	Ratio	Lower	Upper
107	100		
108	91.1	69.8	109.8
77	31.0	11.5	51.5
79	28.1	7.8	47.8



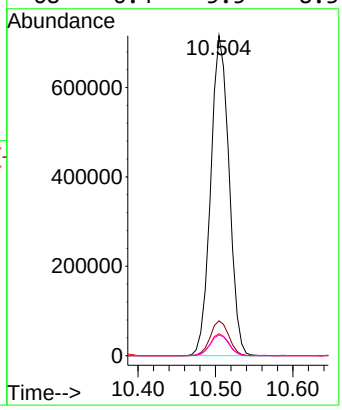


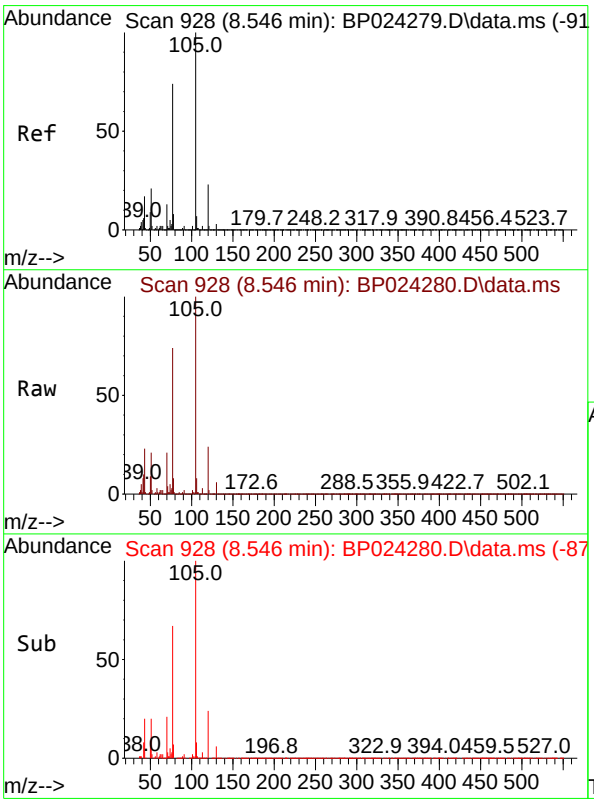
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.504 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 1176925

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	6.9	6.0	9.0
68	6.4	5.5	8.3

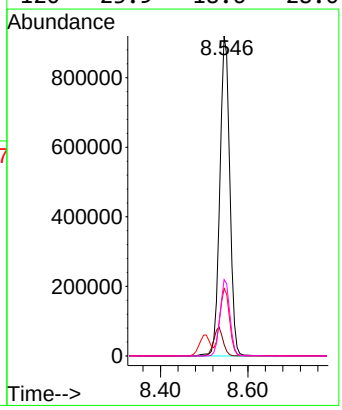


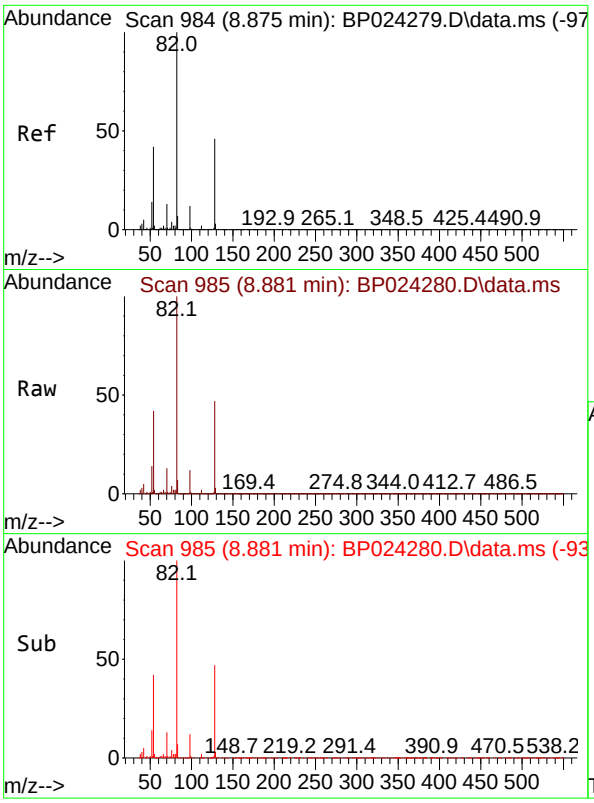


#22
Acetophenone
Concen: 49.289 ng
RT: 8.546 min Scan# 928
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:105 Resp: 1441728

Ion	Ratio	Lower	Upper
105	100		
71	3.6	1.7	2.5#
51	21.1	16.9	25.3
120	23.9	18.6	28.0



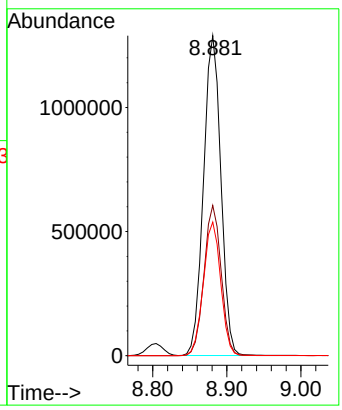


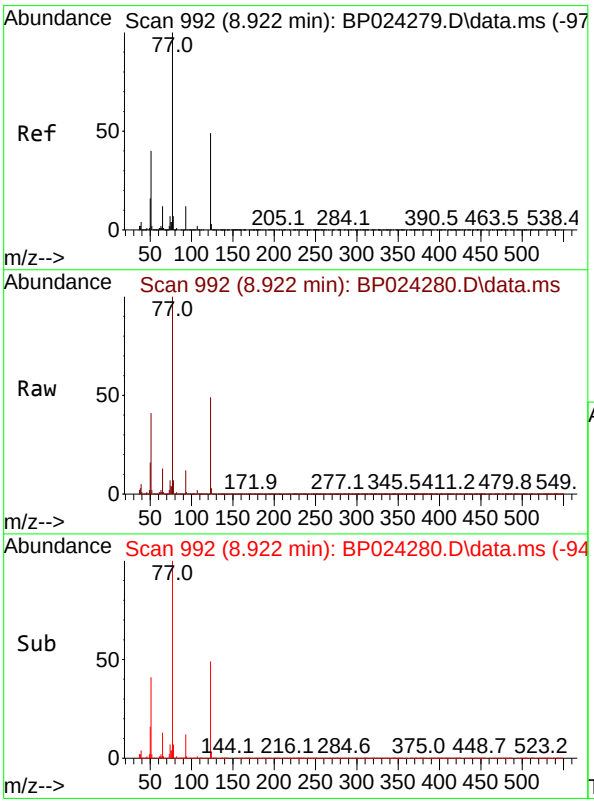
#23
Nitrobenzene-d5
Concen: 101.588 ng
RT: 8.881 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 2100100

Ion	Ratio	Lower	Upper
82	100		
128	46.9	36.5	54.7
54	41.8	33.4	50.2

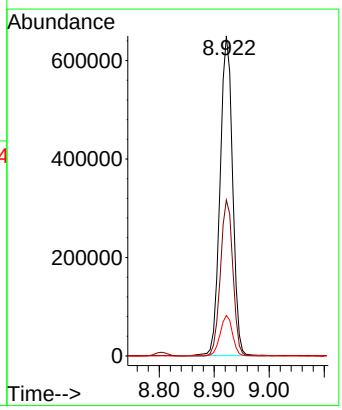


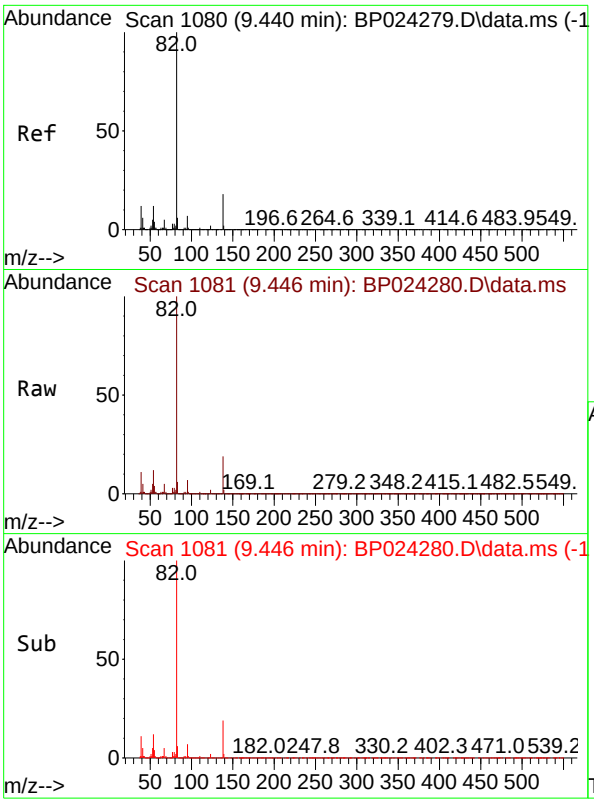


#24
Nitrobenzene
Concen: 50.074 ng
RT: 8.922 min Scan# 992
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion: 77 Resp: 1025983

Ion	Ratio	Lower	Upper
77	100		
123	48.7	39.2	58.8
65	12.7	9.8	14.6



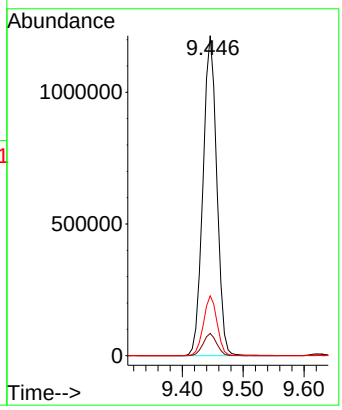


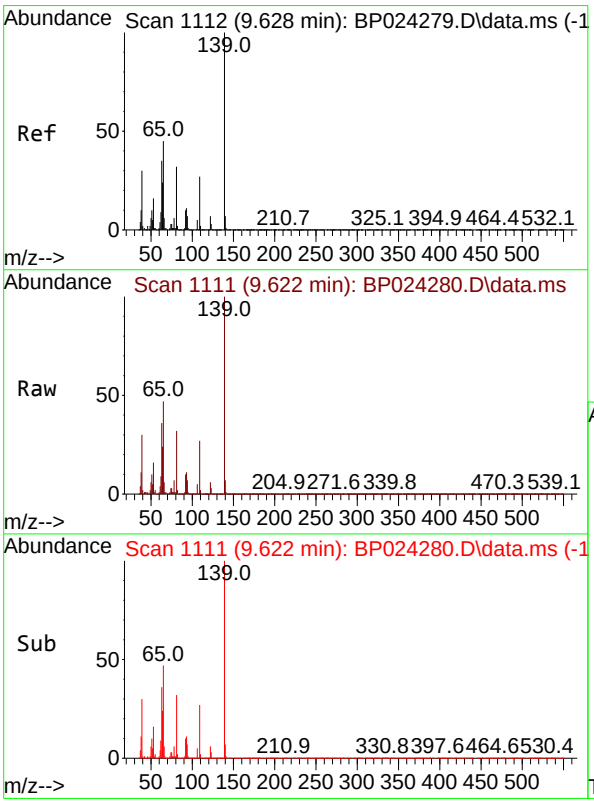
#25
Isophorone
Concen: 51.264 ng
RT: 9.446 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1913172

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.4	8.2
138	18.7	14.4	21.6

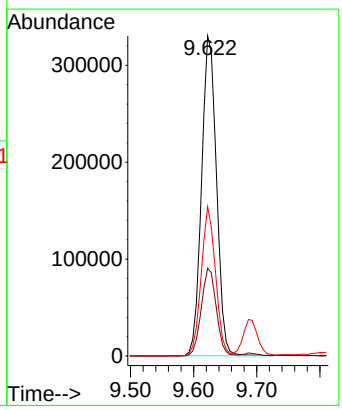


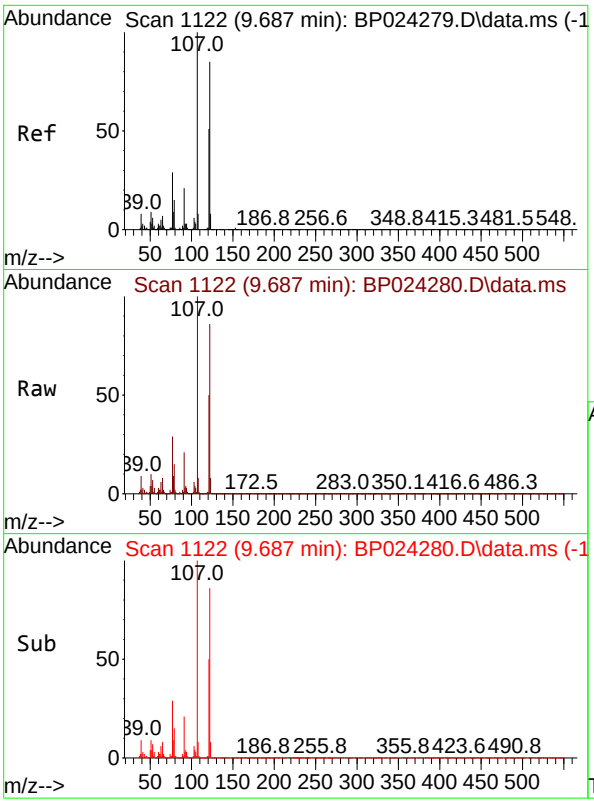


#26
2-Nitrophenol
Concen: 55.024 ng
RT: 9.622 min Scan# 1111
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:139 Resp: 541332

Ion	Ratio	Lower	Upper
139	100		
109	27.5	21.8	32.6
65	46.7	36.2	54.2



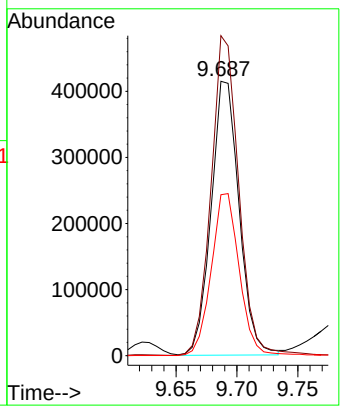


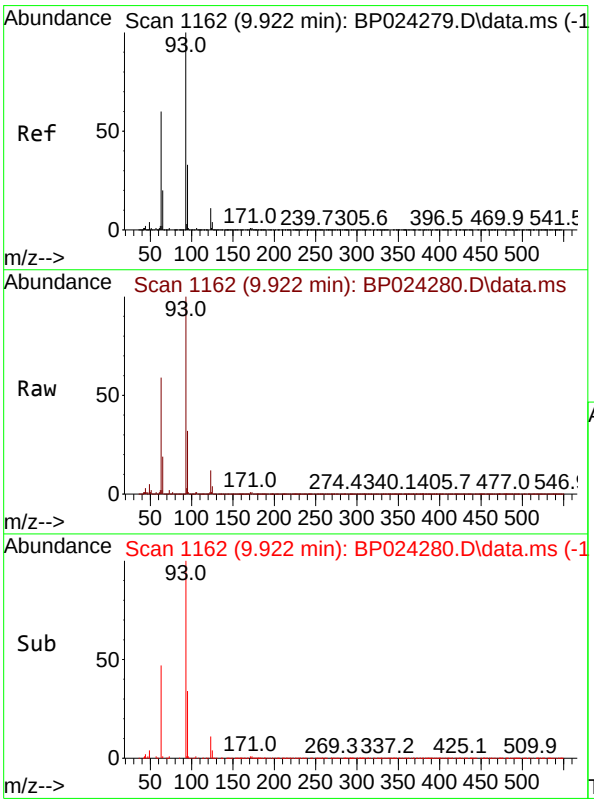
#27
2,4-Dimethylphenol
Concen: 53.106 ng
RT: 9.687 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 662183

Ion	Ratio	Lower	Upper
122	100		
107	116.6	93.7	140.5
121	58.7	48.2	72.2

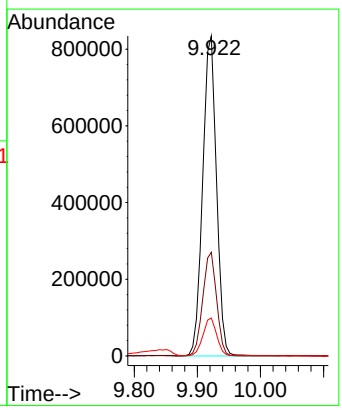


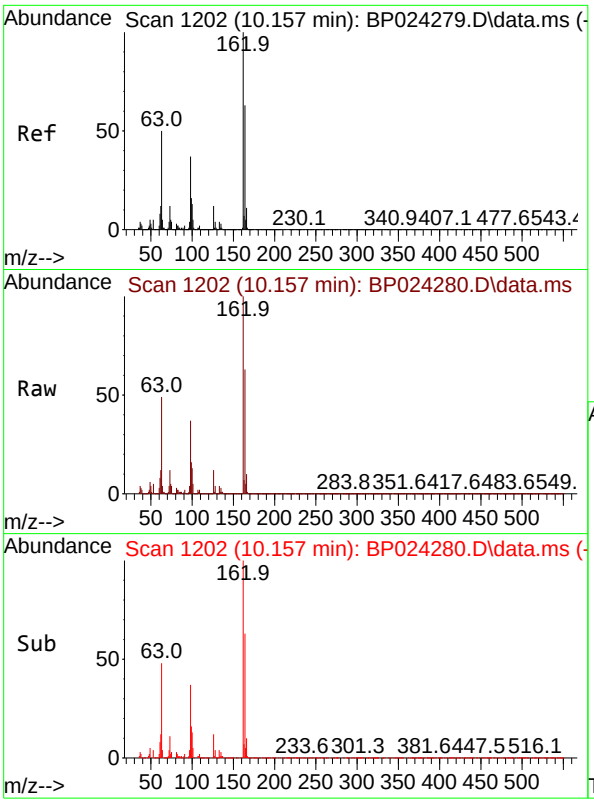


#28
bis(2-Chloroethoxy)methane
Concen: 49.803 ng
RT: 9.922 min Scan# 1162
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion: 93 Resp: 1265001

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.0	39.0
123	11.8	9.1	13.7



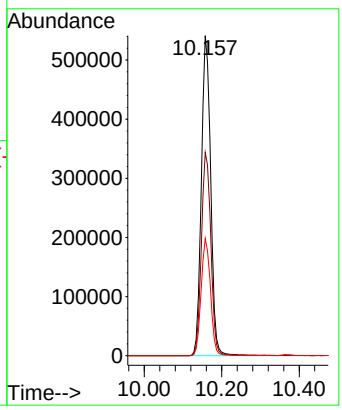


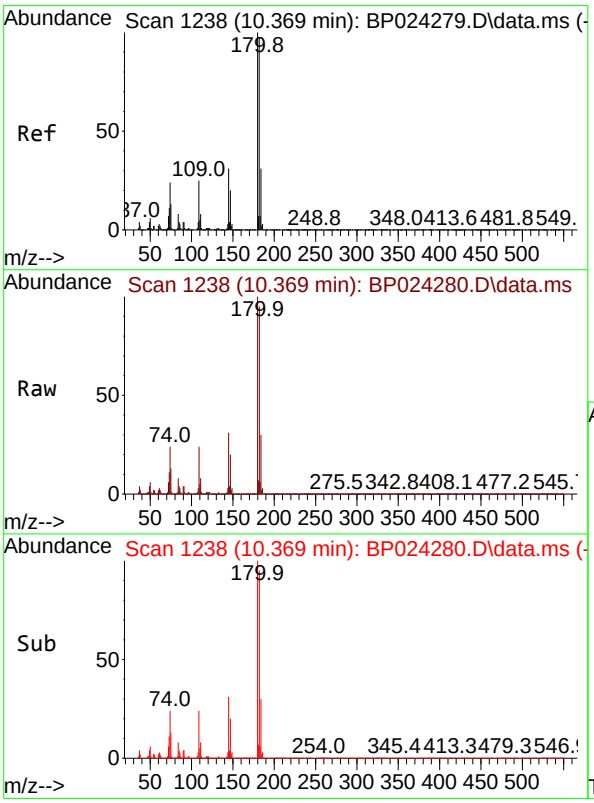
#29
2,4-Dichlorophenol
Concen: 53.225 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 904519

Ion	Ratio	Lower	Upper
162	100		
164	63.5	43.3	83.3
98	36.6	16.6	56.6

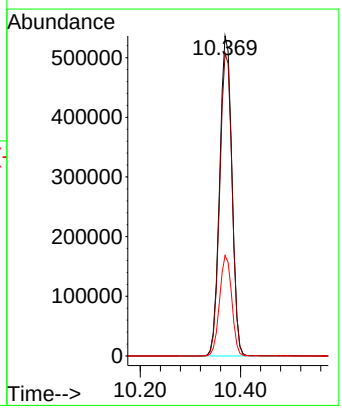


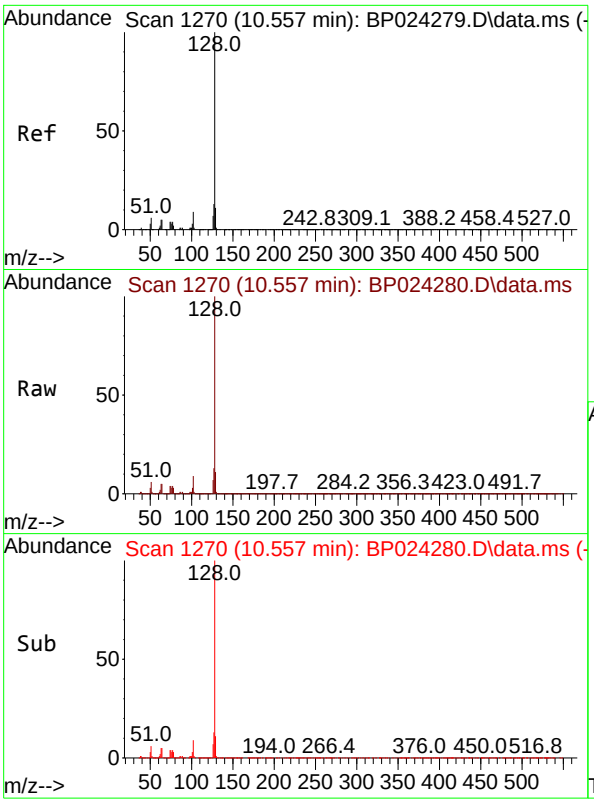


#30
1,2,4-Trichlorobenzene
Concen: 49.426 ng
RT: 10.369 min Scan# 1238
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:180 Resp: 908732

Ion	Ratio	Lower	Upper
180	100		
182	94.5	77.3	115.9
145	31.4	25.1	37.7



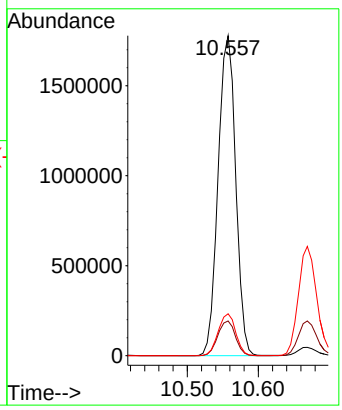


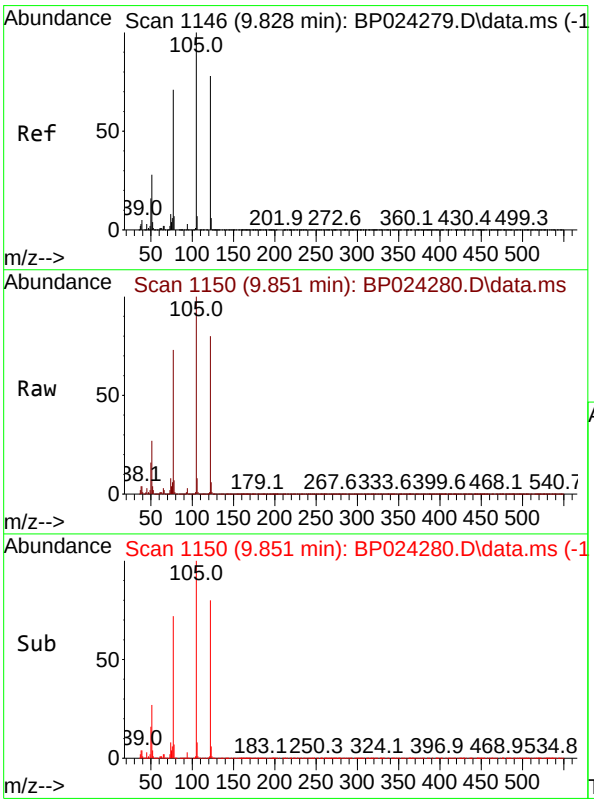
#31
Naphthalene
Concen: 48.957 ng
RT: 10.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 3049887

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	13.1	10.3	15.5

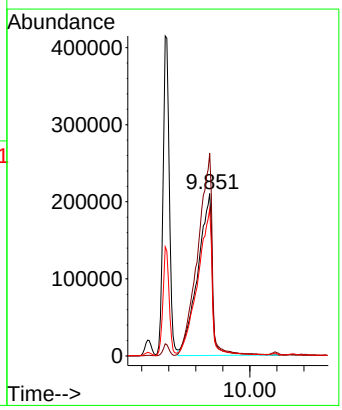


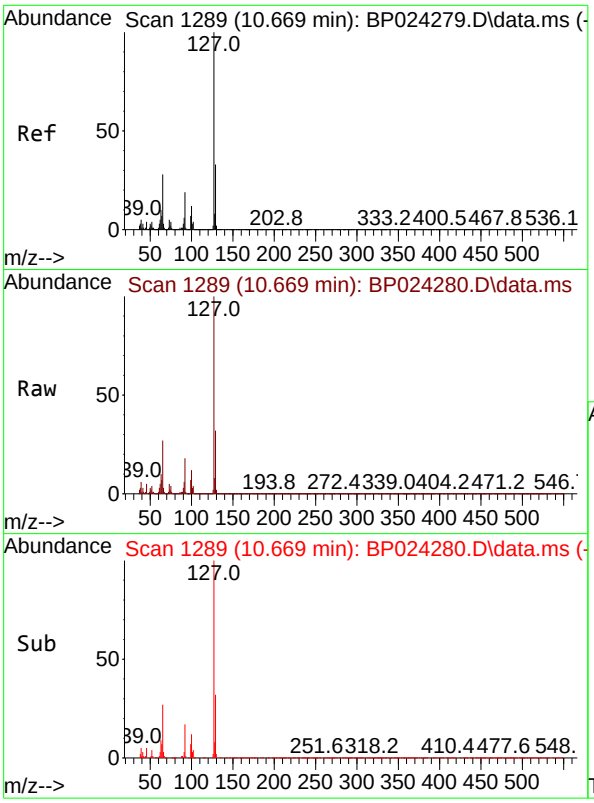


#32
Benzoic acid
Concen: 58.988 ng
RT: 9.851 min Scan# 1150
Delta R.T. 0.023 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:122 Resp: 794832

Ion	Ratio	Lower	Upper
122	100		
105	124.7	104.8	144.8
77	90.5	69.2	109.2



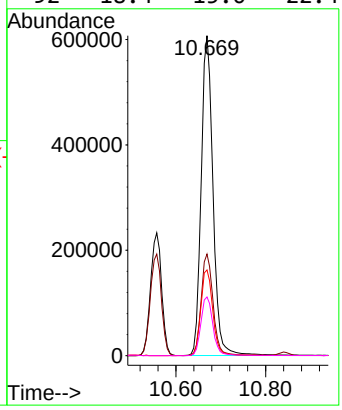


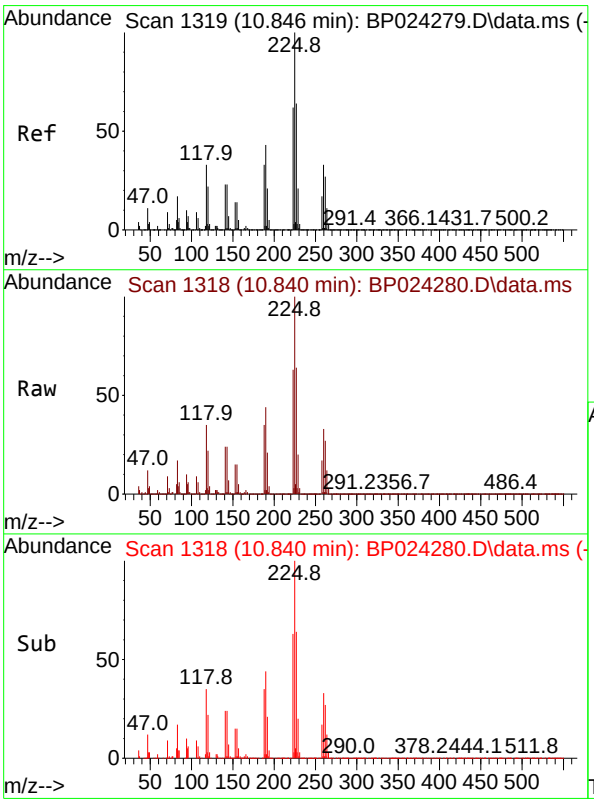
#33
4-Chloroaniline
Concen: 51.030 ng
RT: 10.669 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 1110772

Ion	Ratio	Lower	Upper
127	100		
129	31.7	26.1	39.1
65	26.8	22.1	33.1
92	18.4	15.0	22.4

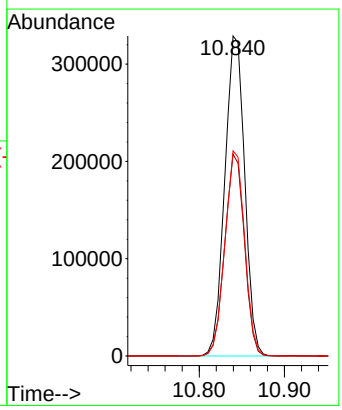


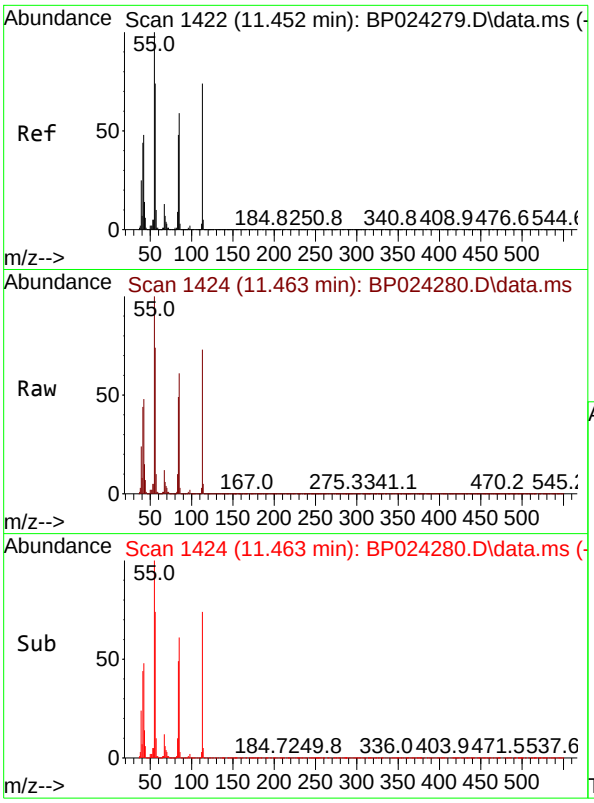


#34
Hexachlorobutadiene
Concen: 49.450 ng
RT: 10.840 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:225 Resp: 533336

Ion	Ratio	Lower	Upper
225	100		
223	63.1	49.5	74.3
227	64.1	50.9	76.3



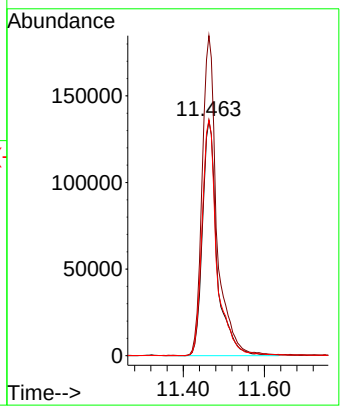


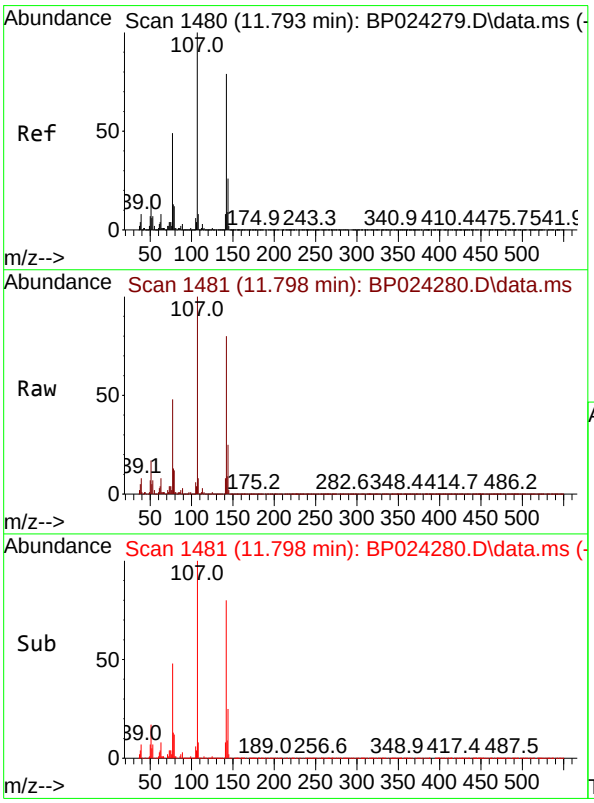
#35
Caprolactam
Concen: 54.466 ng
RT: 11.463 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 339834

Ion	Ratio	Lower	Upper
113	100		
55	136.1	115.9	155.9
56	100.2	81.1	121.1

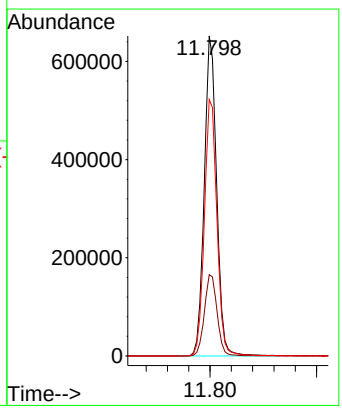


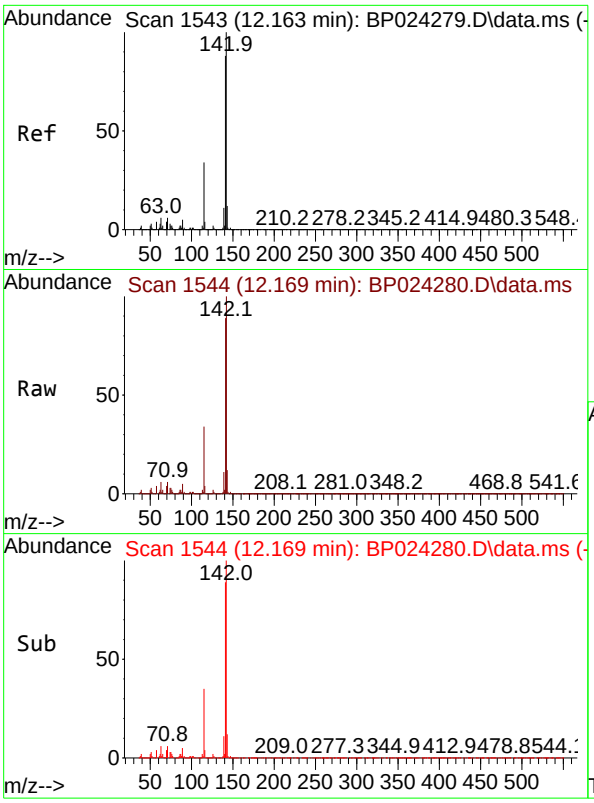


#36
4-Chloro-3-methylphenol
Concen: 52.860 ng
RT: 11.798 min Scan# 1481
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:107 Resp: 1046795

Ion	Ratio	Lower	Upper
107	100		
144	25.4	20.5	30.7
142	80.1	63.4	95.2



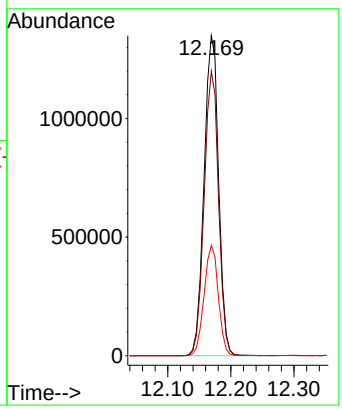


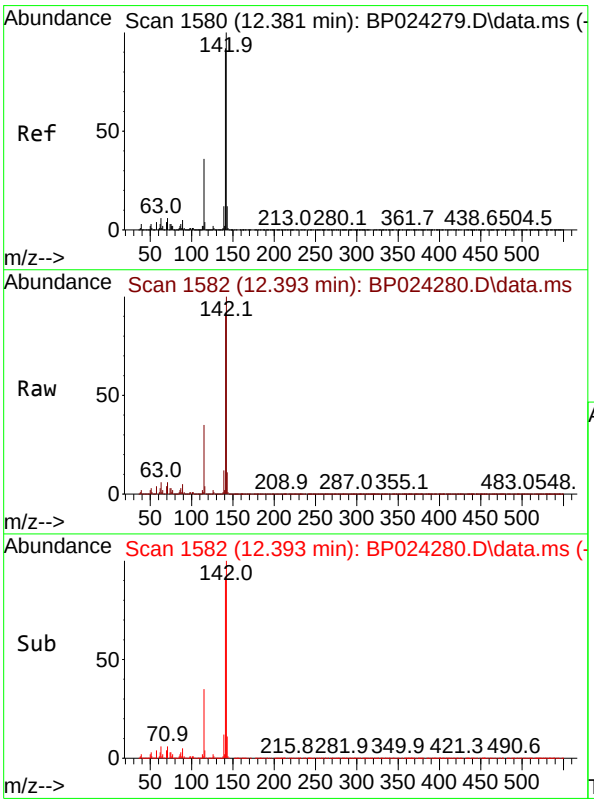
#37
2-Methylnaphthalene
Concen: 49.942 ng
RT: 12.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 2156247

Ion	Ratio	Lower	Upper
142	100		
141	88.8	70.3	105.5
115	34.5	26.9	40.3

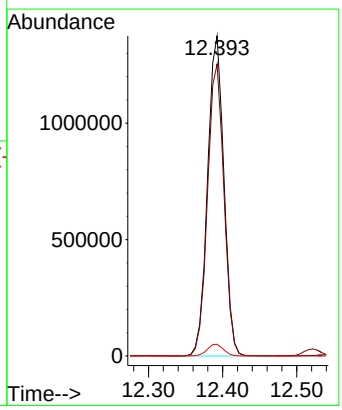


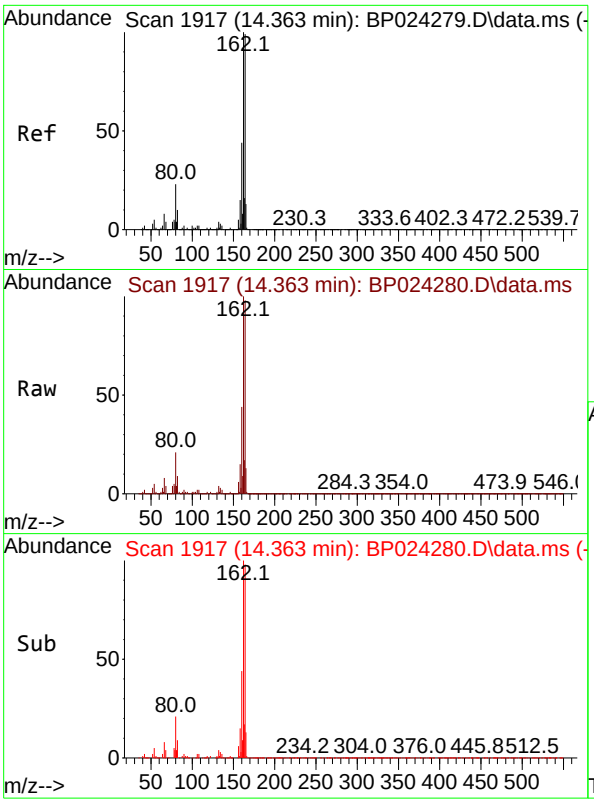


#38
1-Methylnaphthalene
Concen: 49.538 ng
RT: 12.393 min Scan# 1582
Delta R.T. 0.012 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:142 Resp: 2095184

Ion	Ratio	Lower	Upper
142	100		
141	91.2	73.6	110.4
116	3.7	3.0	4.6



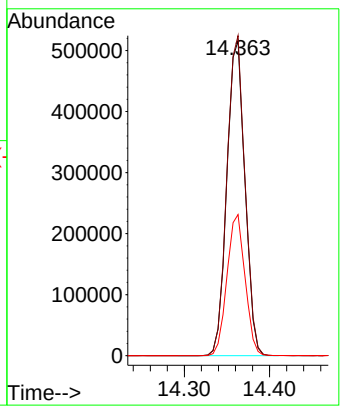


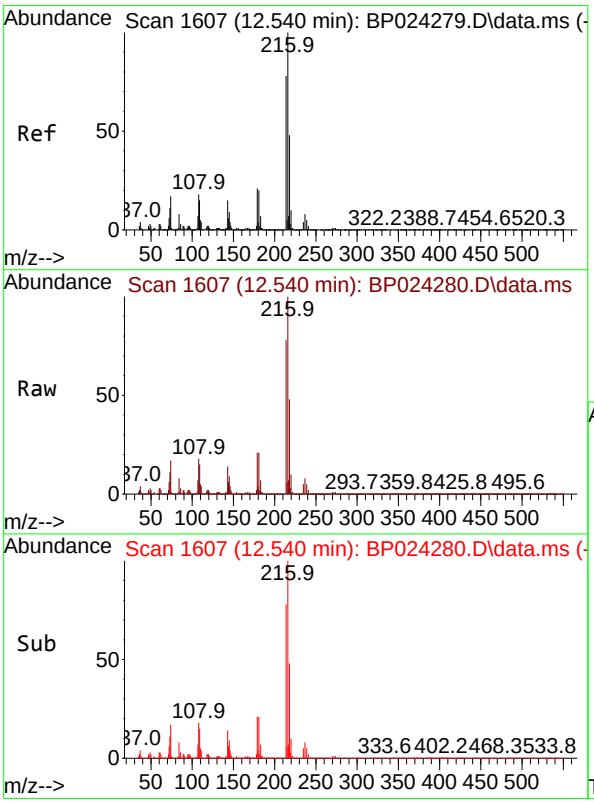
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.363 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 760235

Ion	Ratio	Lower	Upper
164	100		
162	101.6	80.6	120.8
160	44.8	35.3	52.9

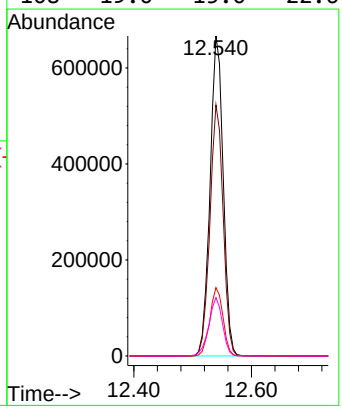


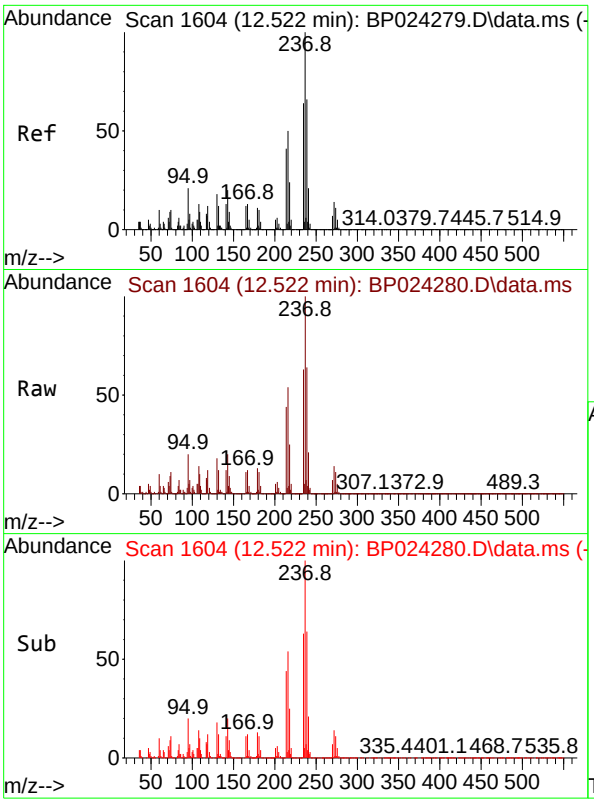


#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.522 ng
RT: 12.540 min Scan# 1607
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:216 Resp: 1034638

Ion	Ratio	Lower	Upper
216	100		
214	78.9	62.6	93.8
179	21.4	17.2	25.8
108	19.0	15.0	22.6



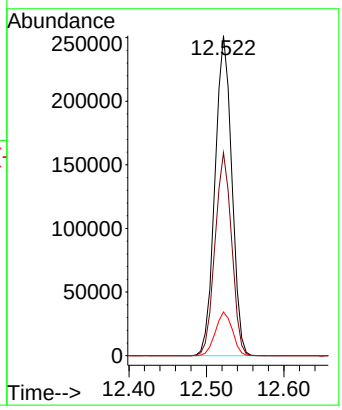


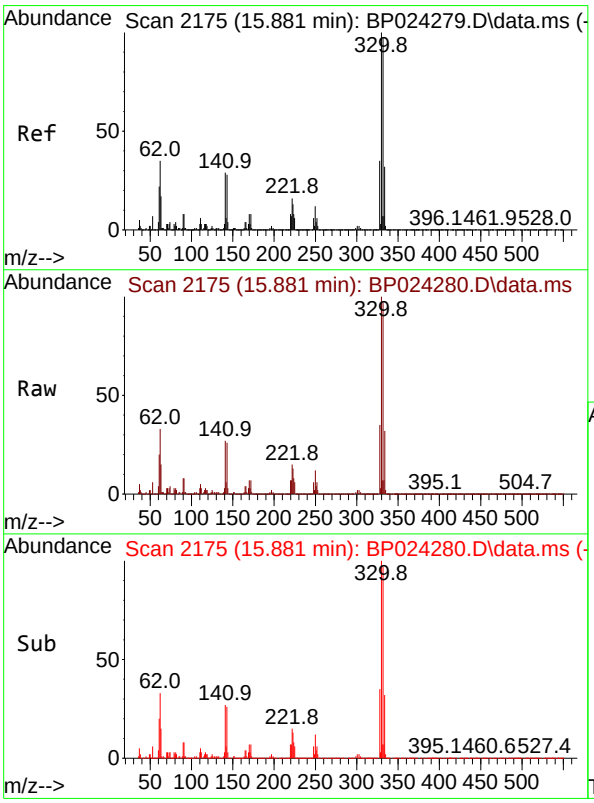
#41
Hexachlorocyclopentadiene
Concen: 51.614 ng
RT: 12.522 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 378578

Ion	Ratio	Lower	Upper
237	100		
235	63.4	43.9	83.9
272	13.7	0.0	33.6

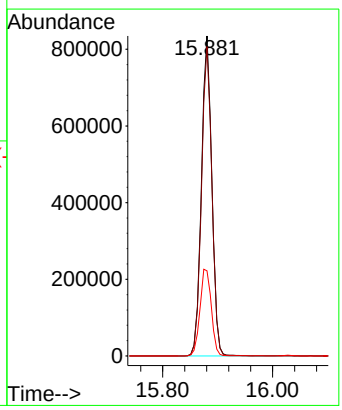


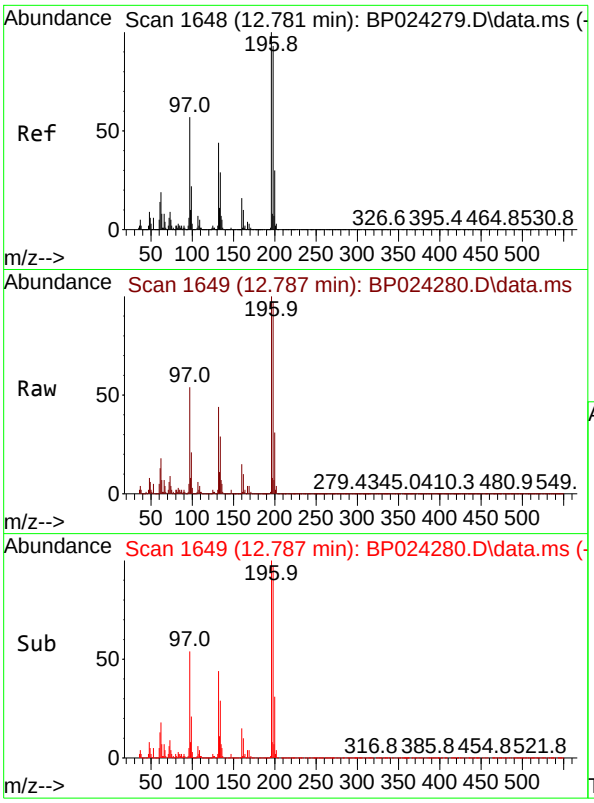


#42
2,4,6-Tribromophenol
Concen: 105.521 ng
RT: 15.881 min Scan# 2175
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:330 Resp: 1098486

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.1	115.7
141	29.5	24.7	37.1



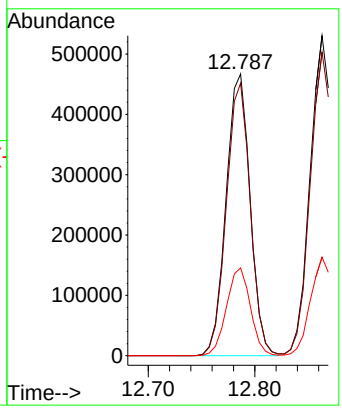


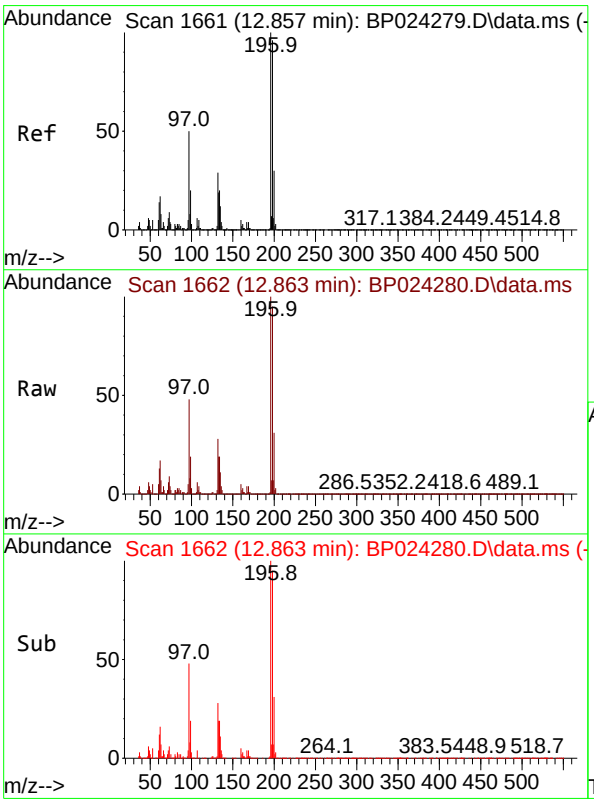
#43
2,4,6-Trichlorophenol
Concen: 53.315 ng
RT: 12.787 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 732902

Ion	Ratio	Lower	Upper
196	100		
198	96.7	74.3	111.5
200	31.2	24.0	36.0

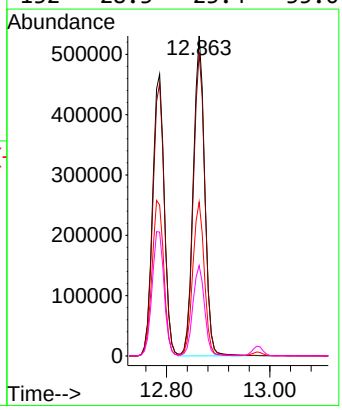


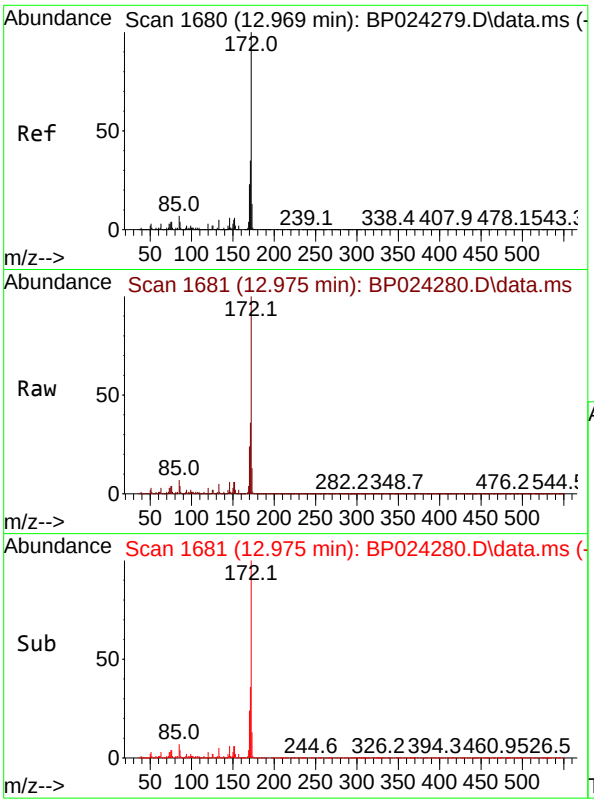


#44
2,4,5-Trichlorophenol
Concen: 53.491 ng
RT: 12.863 min Scan# 1662
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:196 Resp: 814885

Ion	Ratio	Lower	Upper
196	100		
198	94.8	77.3	115.9
97	48.1	40.4	60.6
132	28.3	23.4	35.0



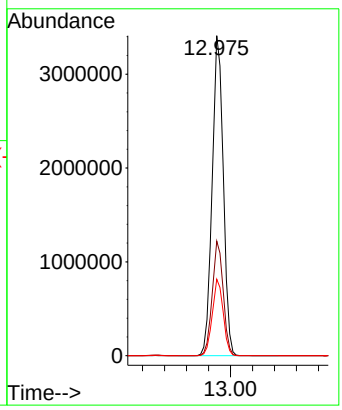


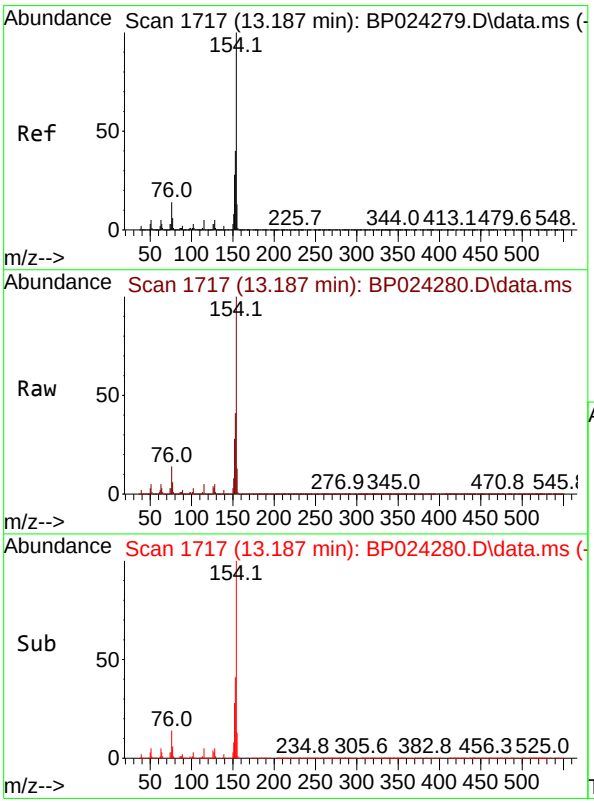
#45
2-Fluorobiphenyl
Concen: 95.877 ng
RT: 12.975 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 4800845

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.2	42.2
170	23.9	18.6	27.8

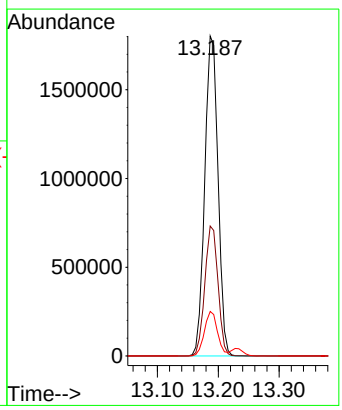


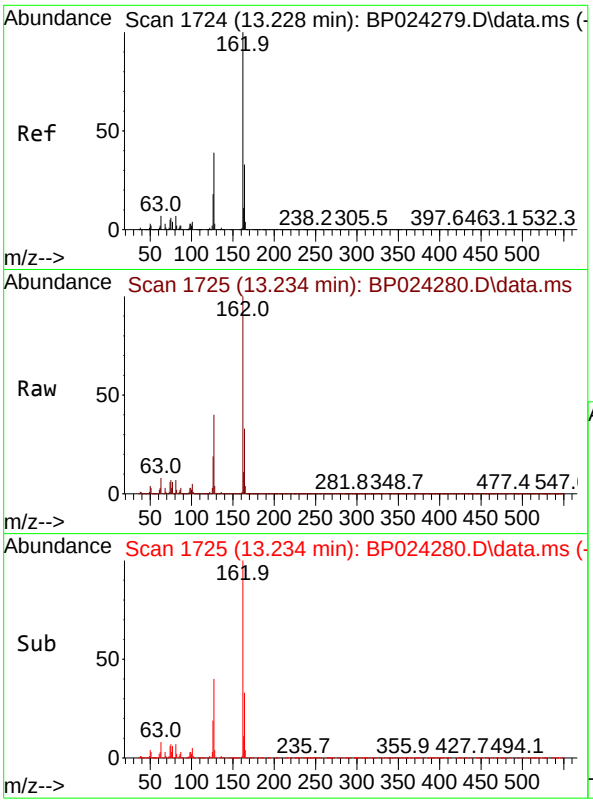


#46
1,1'-Biphenyl
Concen: 48.551 ng
RT: 13.187 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:154 Resp: 2725840

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.3	60.3
76	13.9	0.0	33.5



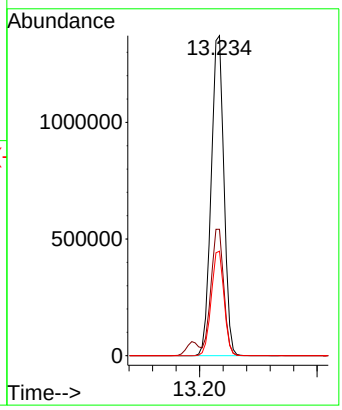


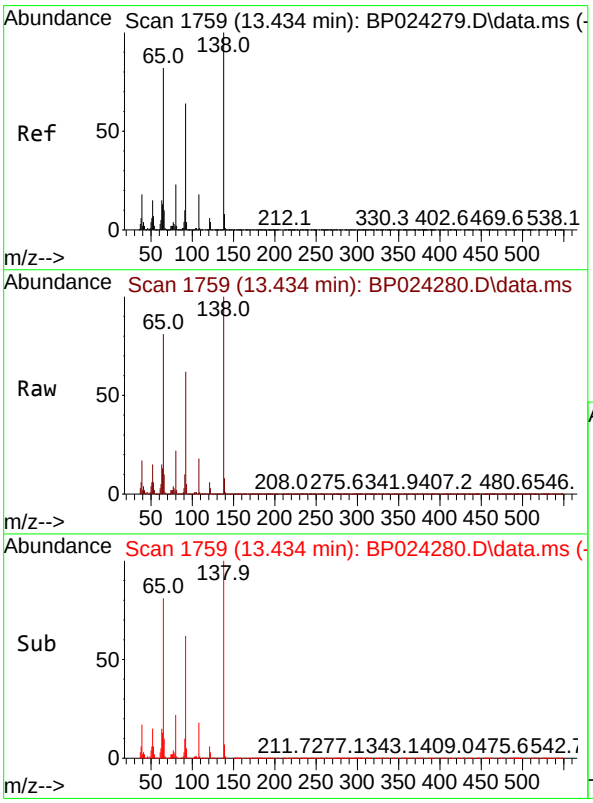
#47
2-Chloronaphthalene
Concen: 49.220 ng
RT: 13.234 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 2062098

Ion	Ratio	Lower	Upper
162	100		
127	39.5	31.9	47.9
164	32.7	26.2	39.4

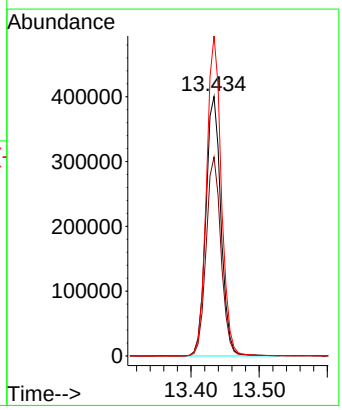


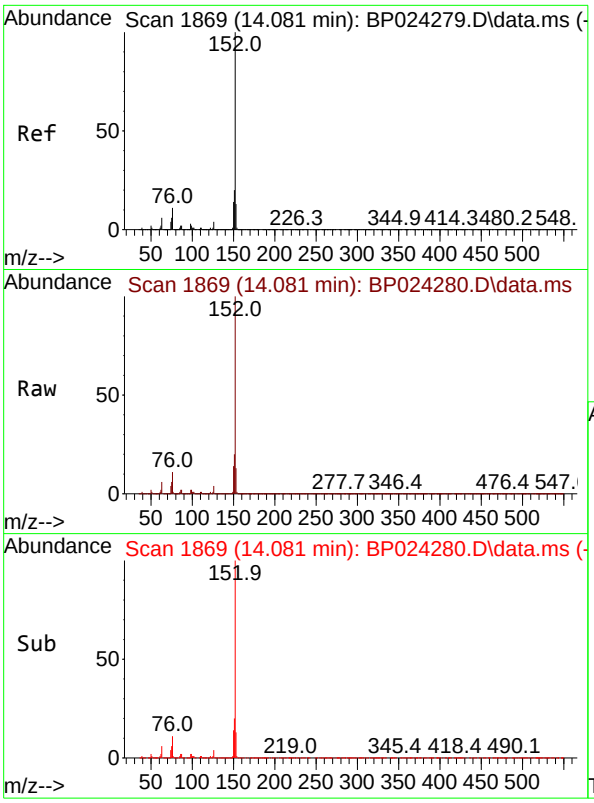


#48
2-Nitroaniline
Concen: 53.282 ng
RT: 13.434 min Scan# 1759
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion: 65 Resp: 616599

Ion	Ratio	Lower	Upper
65	100		
92	76.6	62.3	93.5
138	123.3	97.2	145.8



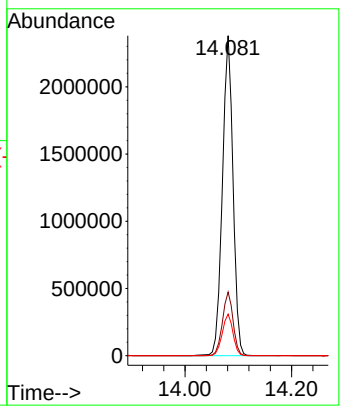


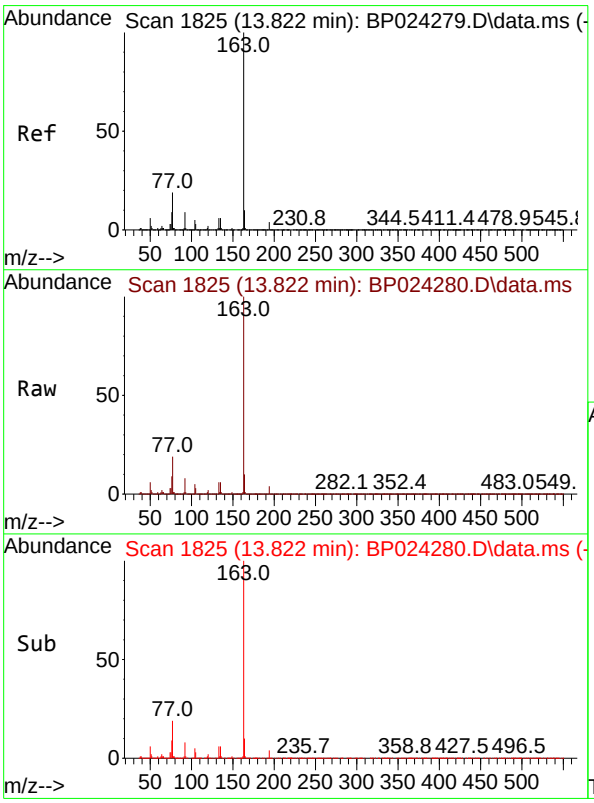
#49
Acenaphthylene
Concen: 49.877 ng
RT: 14.081 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 3279666

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.0	10.6	15.8

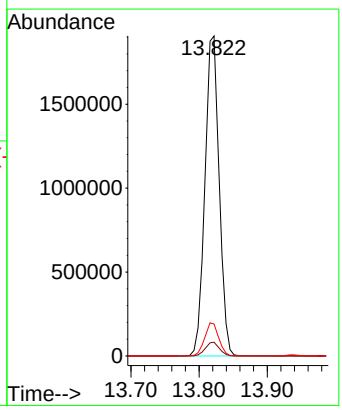


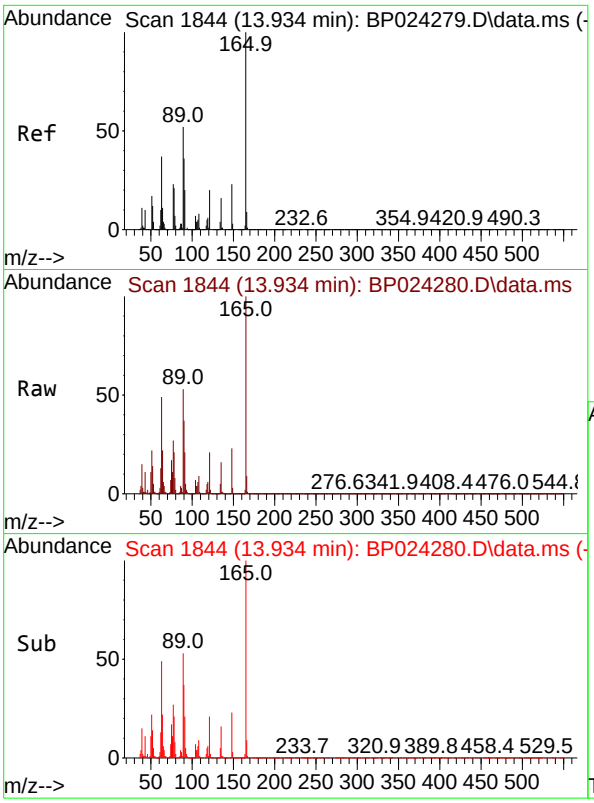


#50
Dimethylphthalate
Concen: 50.046 ng
RT: 13.822 min Scan# 1825
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:163 Resp: 2775759

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.0	8.0	12.0



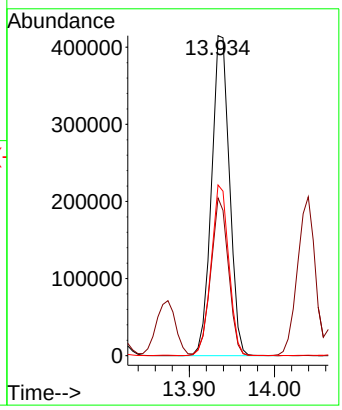


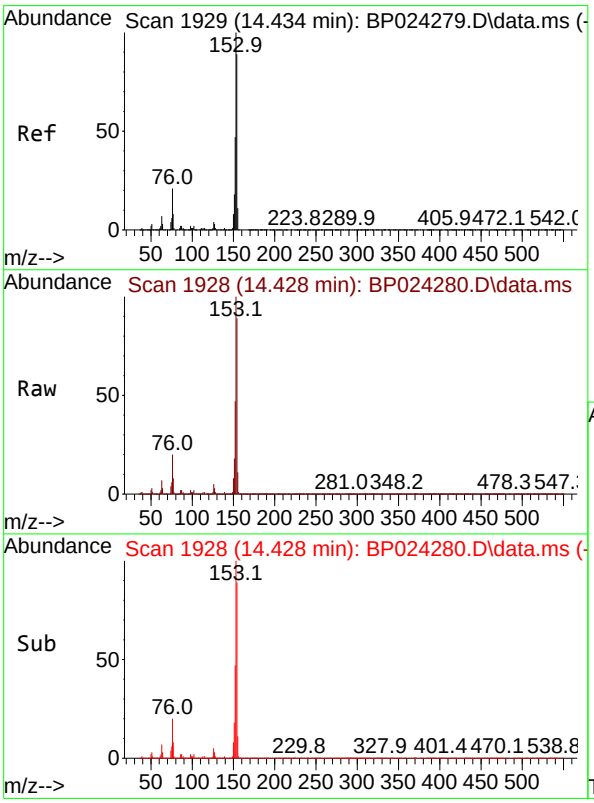
#51
2,6-Dinitrotoluene
Concen: 51.903 ng
RT: 13.934 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 606525

Ion	Ratio	Lower	Upper
165	100		
63	49.3	38.0	57.0
89	53.4	41.7	62.5

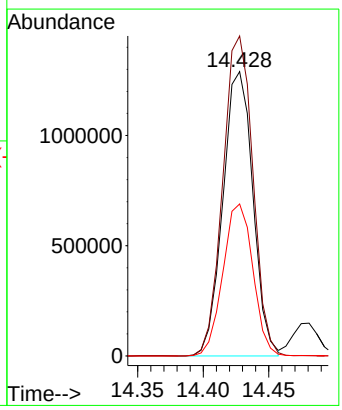


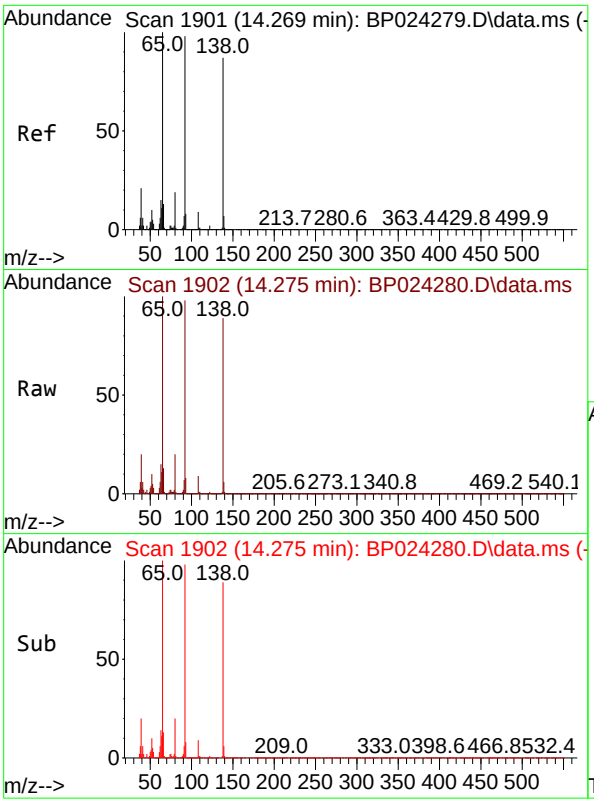


#52
Acenaphthene
Concen: 49.128 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:154 Resp: 2054333

Ion	Ratio	Lower	Upper
154	100		
153	112.5	89.8	134.6
152	53.4	42.6	63.8



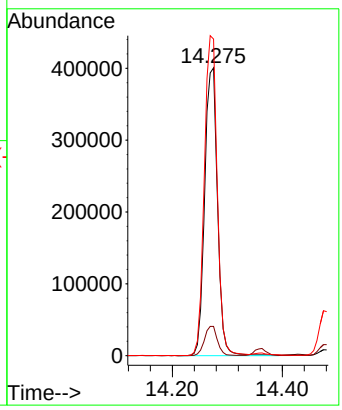


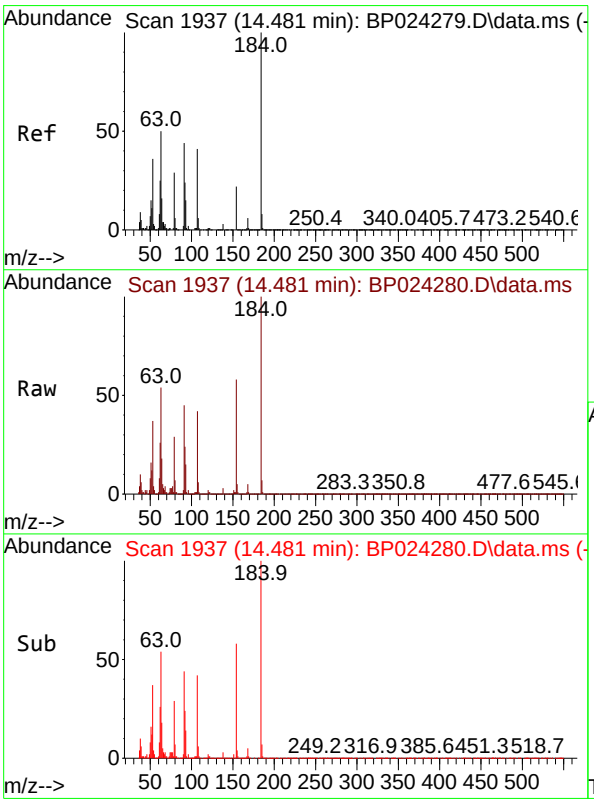
#53
3-Nitroaniline
Concen: 53.536 ng
RT: 14.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 649071

Ion	Ratio	Lower	Upper
138	100		
108	10.2	8.3	12.5
92	110.0	89.8	134.8

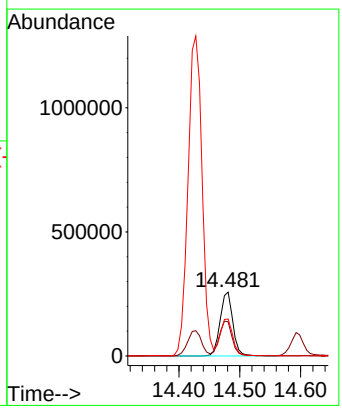


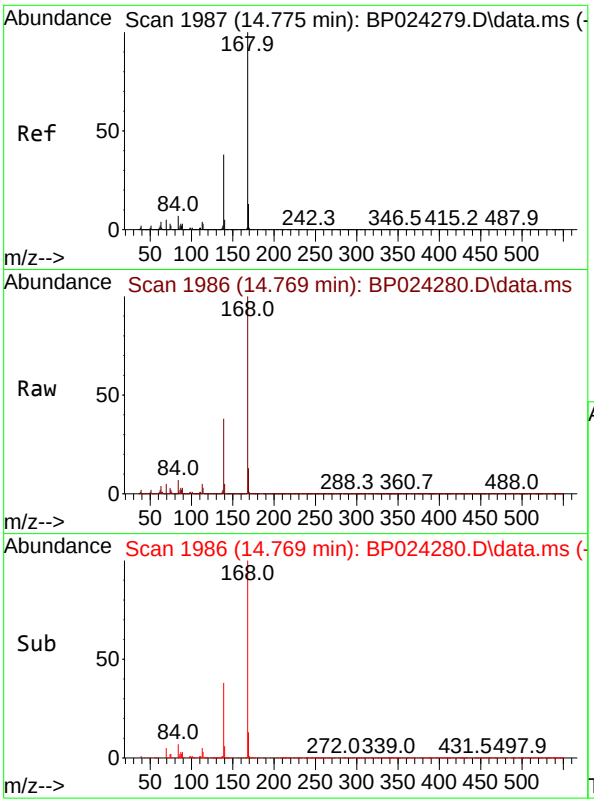


#54
2,4-Dinitrophenol
Concen: 59.640 ng
RT: 14.481 min Scan# 1937
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:184 Resp: 373165

Ion	Ratio	Lower	Upper
184	100		
63	53.7	42.6	64.0
154	57.8	47.2	70.8



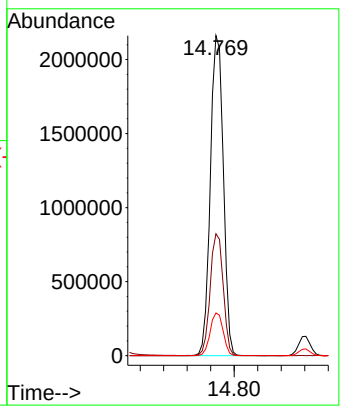


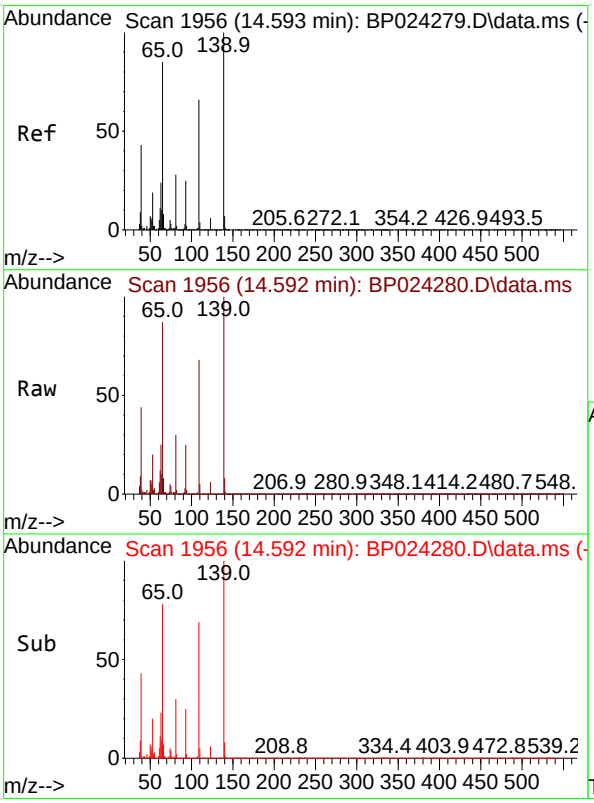
#55
Dibenzofuran
Concen: 48.392 ng
RT: 14.769 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 3318798

Ion	Ratio	Lower	Upper
168	100		
139	38.1	30.3	45.5
169	13.4	10.6	16.0

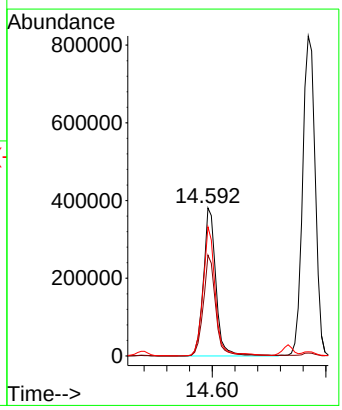


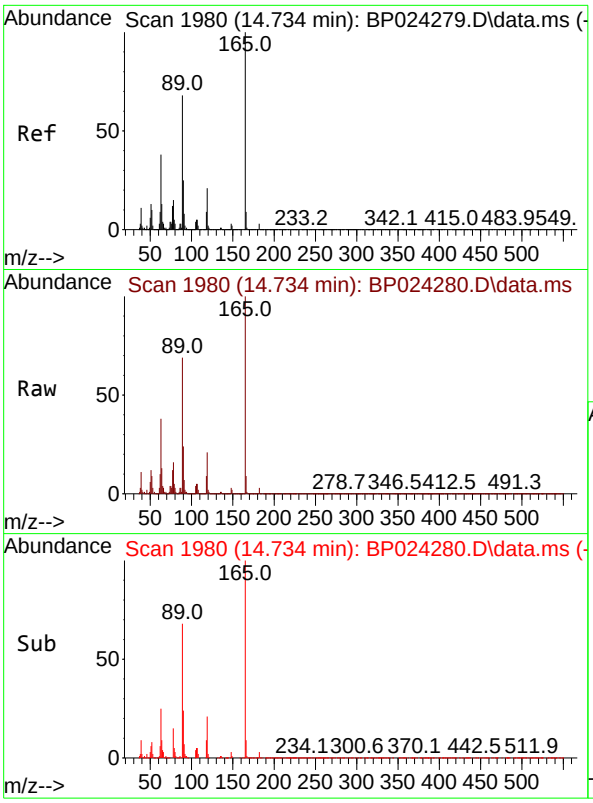


#56
4-Nitrophenol
Concen: 55.750 ng
RT: 14.592 min Scan# 1956
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:139 Resp: 581023

Ion	Ratio	Lower	Upper
139	100		
109	68.1	46.1	86.1
65	87.3	65.0	105.0



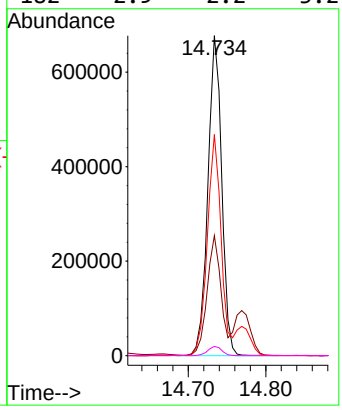


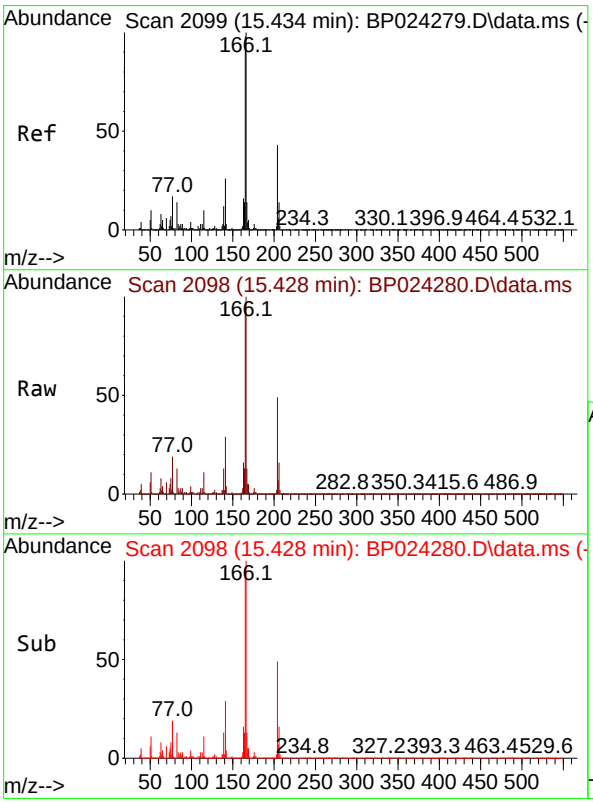
#57
2,4-Dinitrotoluene
Concen: 53.160 ng
RT: 14.734 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 839701

Ion	Ratio	Lower	Upper
165	100		
63	37.5	30.4	45.6
89	69.1	54.6	82.0
182	2.9	2.2	3.2

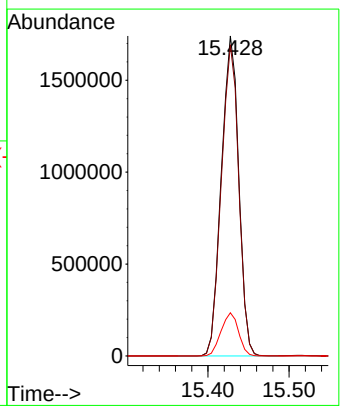


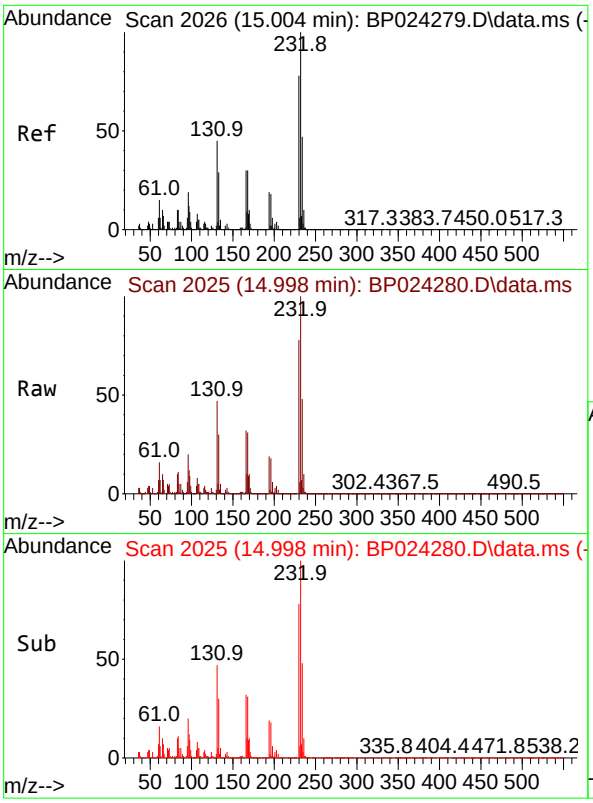


#58
Fluorene
Concen: 49.085 ng
RT: 15.428 min Scan# 2098
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:166 Resp: 2599105

Ion	Ratio	Lower	Upper
166	100		
165	97.2	78.1	117.1
167	13.5	10.9	16.3



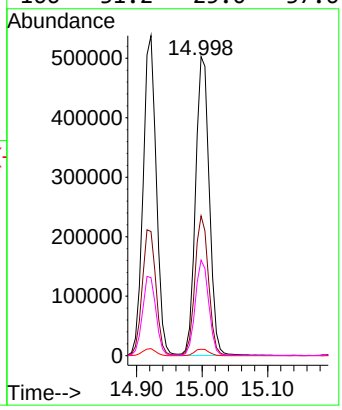


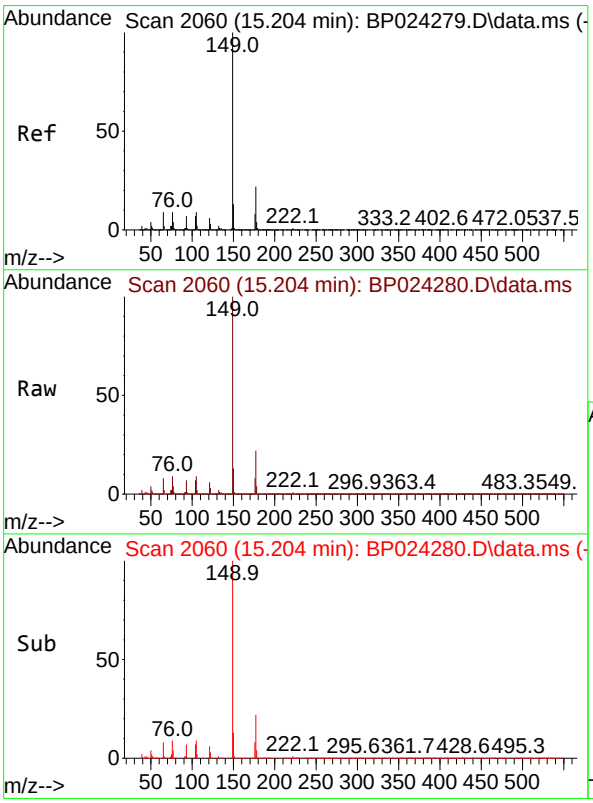
#59
2,3,4,6-Tetrachlorophenol
Concen: 52.128 ng
RT: 14.998 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 734741

Ion	Ratio	Lower	Upper
232	100		
131	46.0	36.8	55.2
130	2.3	1.9	2.9
166	31.2	25.0	37.6

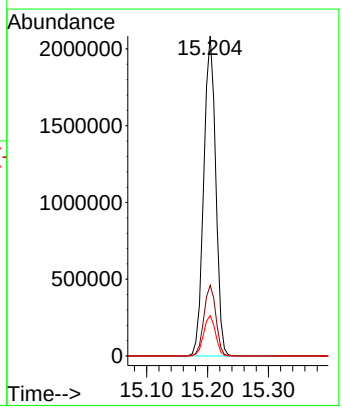


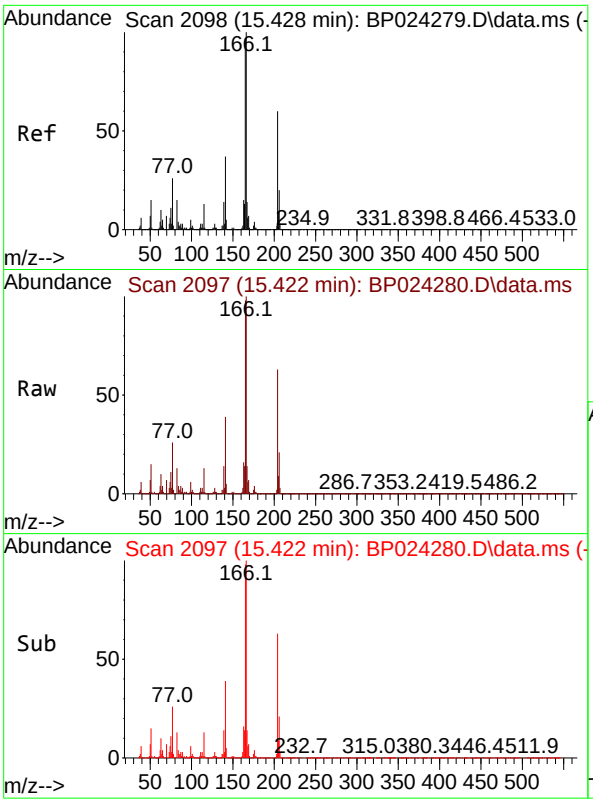


#60
Diethylphthalate
Concen: 49.914 ng
RT: 15.204 min Scan# 2060
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:149 Resp: 2849294

Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.4	26.2
150	12.6	10.1	15.1



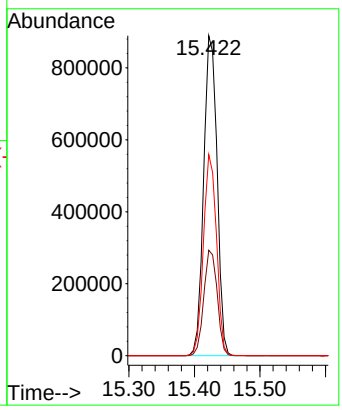


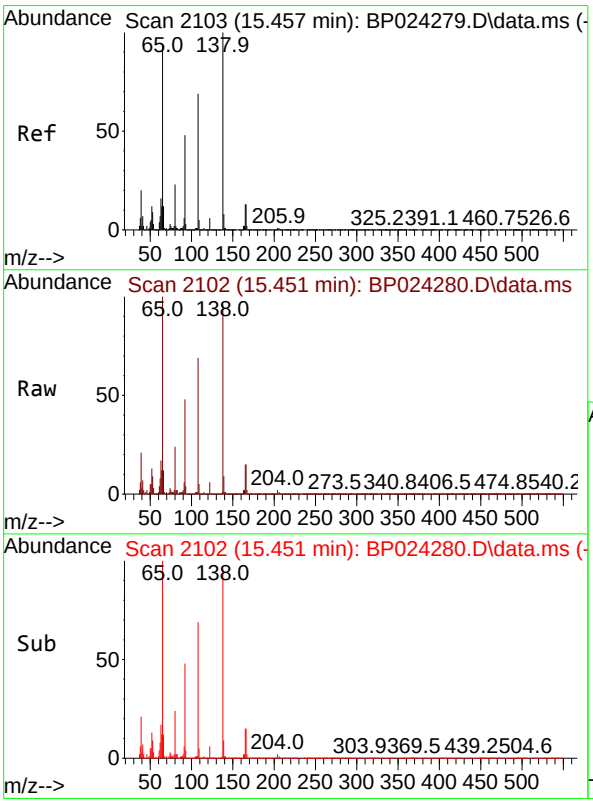
#61
4-Chlorophenyl-phenylether
Concen: 49.287 ng
RT: 15.422 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 1267291

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.5	39.7
141	62.8	49.4	74.0

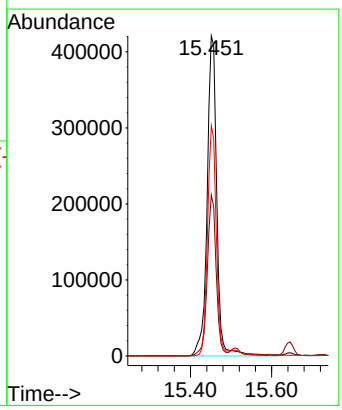


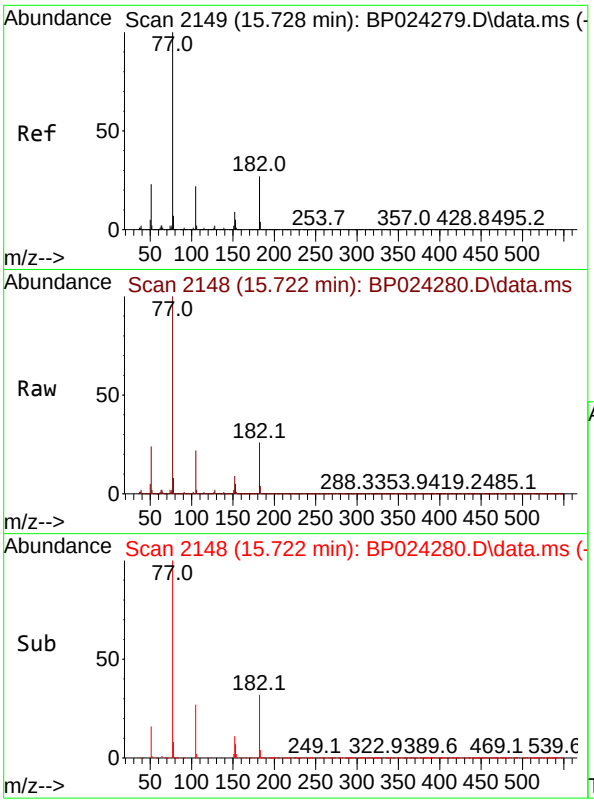


#62
4-Nitroaniline
Concen: 53.764 ng
RT: 15.451 min Scan# 2102
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:138 Resp: 691081

Ion	Ratio	Lower	Upper
138	100		
92	50.2	27.8	67.8
108	72.0	48.9	88.9



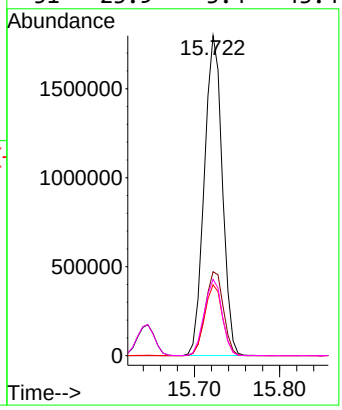


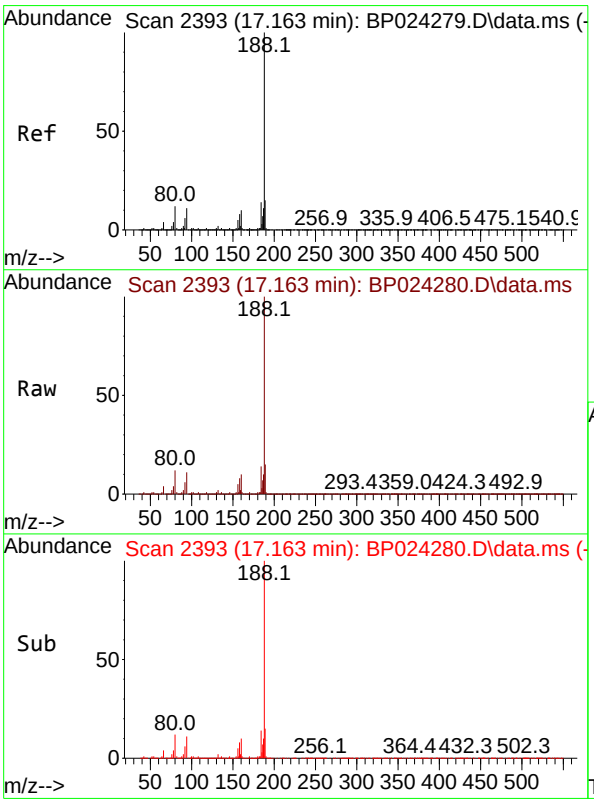
#63
Azobenzene
Concen: 50.076 ng
RT: 15.722 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 2632843

Ion	Ratio	Lower	Upper
77	100		
182	26.3	7.3	47.3
105	22.1	2.3	42.3
51	23.9	3.4	43.4

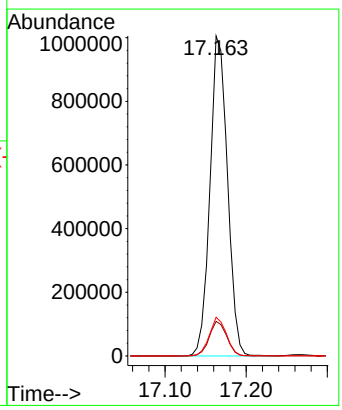


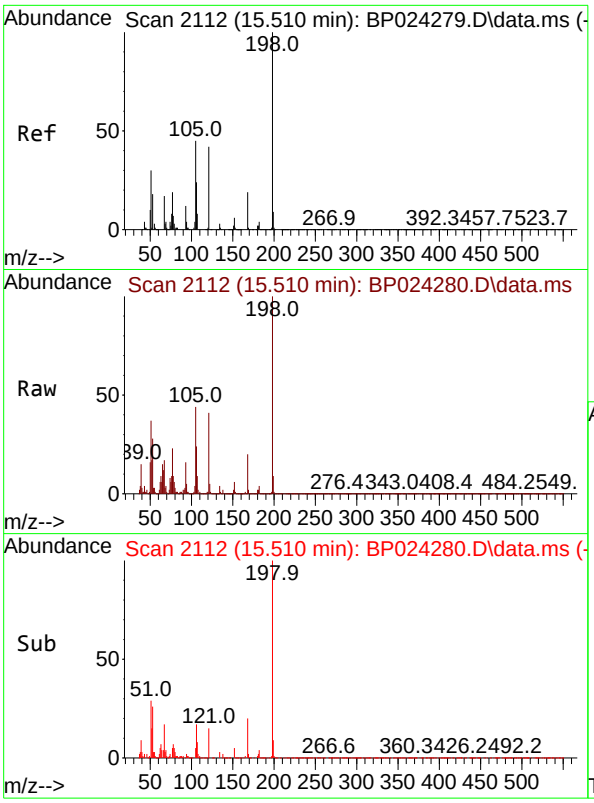


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2393
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:188 Resp: 1505097

Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.6	13.0
80	12.1	9.8	14.6



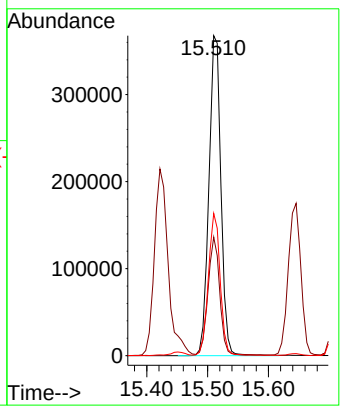


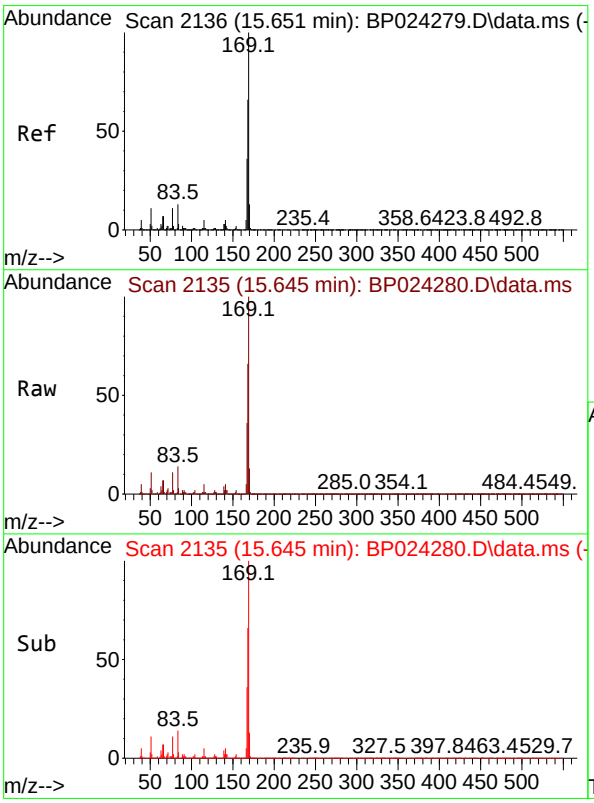
#65
4,6-Dinitro-2-methylphenol
Concen: 57.285 ng
RT: 15.510 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 503765

Ion	Ratio	Lower	Upper
198	100		
51	37.1	18.4	58.4
105	44.5	26.5	66.5

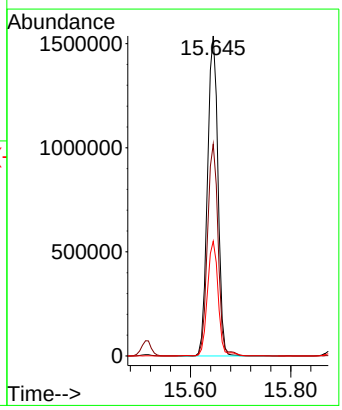


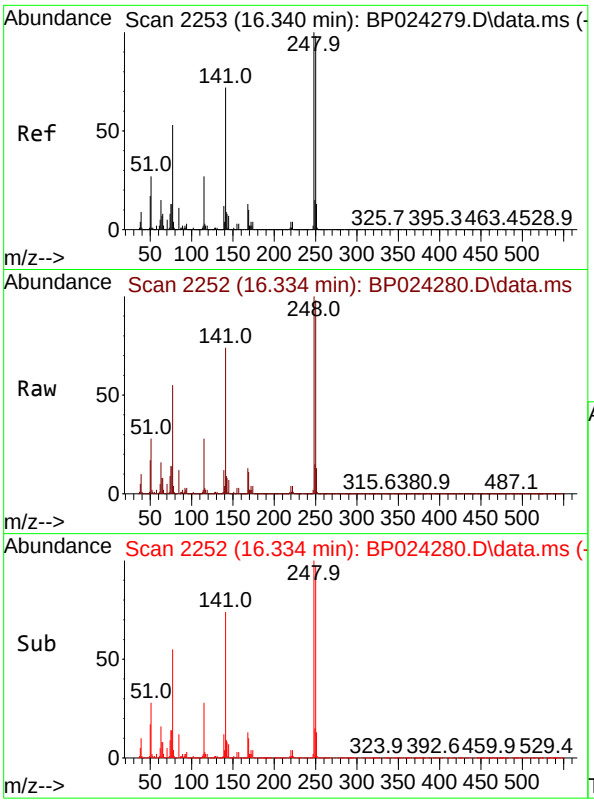


#66
n-Nitrosodiphenylamine
Concen: 49.312 ng
RT: 15.645 min Scan# 2135
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:169 Resp: 2225475

Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.0	79.4
167	35.9	28.9	43.3



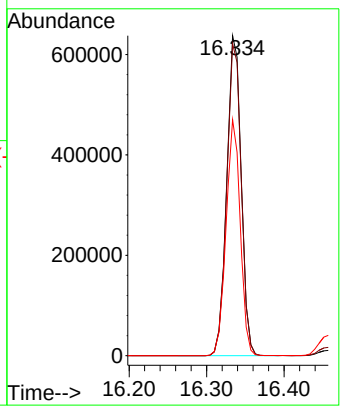


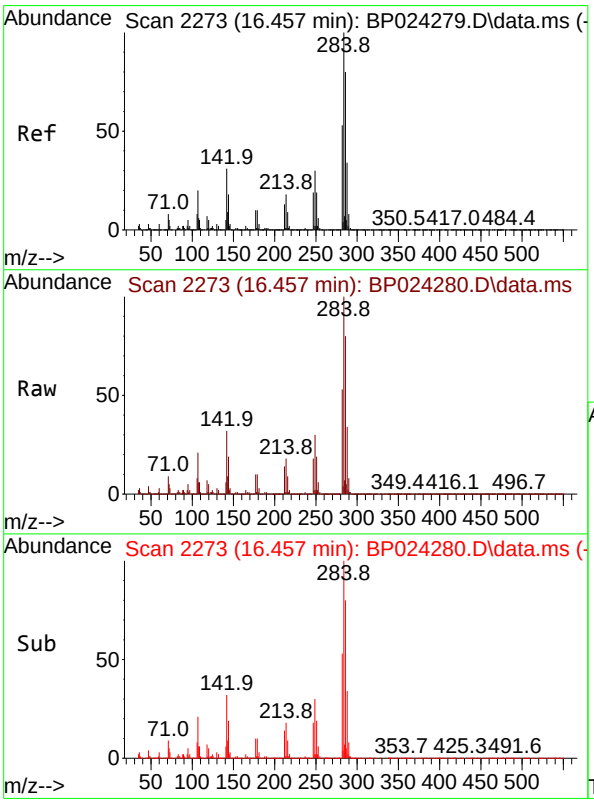
#67
4-Bromophenyl-phenylether
Concen: 50.389 ng
RT: 16.334 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 827245

Ion	Ratio	Lower	Upper
248	100		
250	97.5	78.2	117.4
141	73.8	57.7	86.5

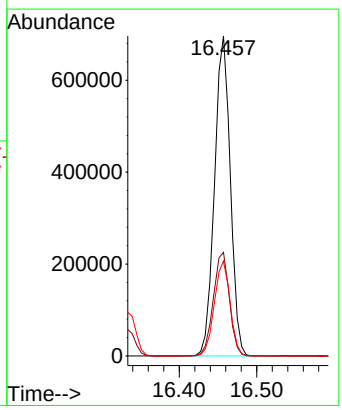


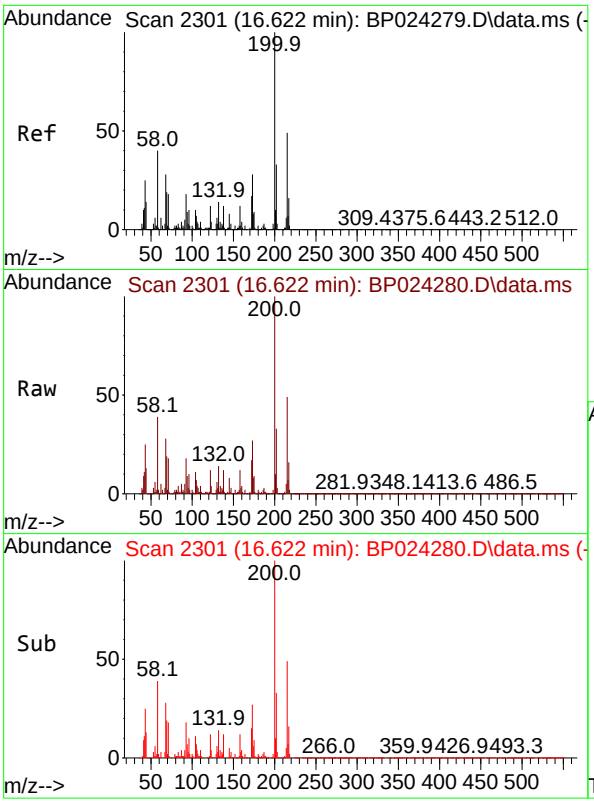


#68
Hexachlorobenzene
Concen: 50.405 ng
RT: 16.457 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:284 Resp: 983768

Ion	Ratio	Lower	Upper
284	100		
142	32.4	24.6	37.0
249	29.7	23.8	35.6



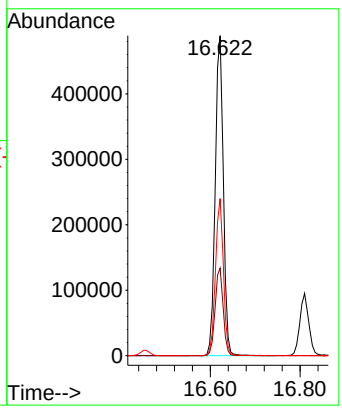


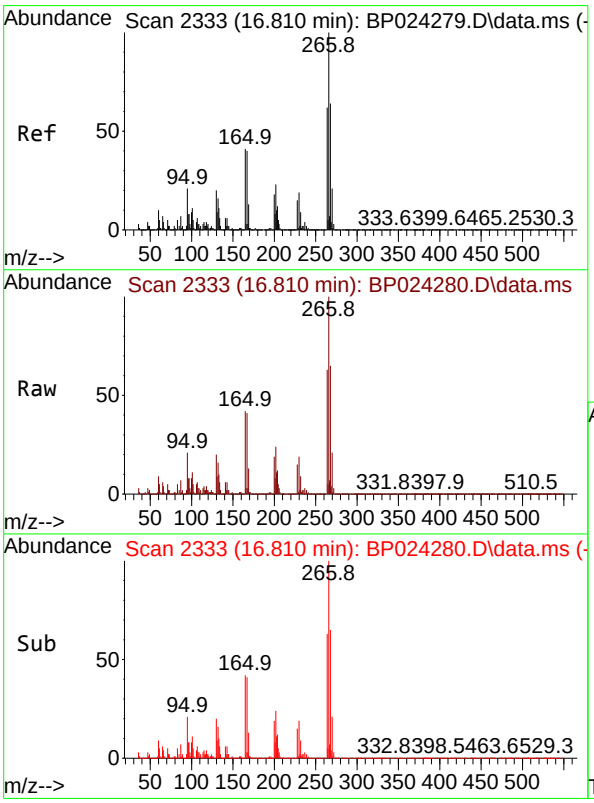
#69
Atrazine
Concen: 53.356 ng
RT: 16.622 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 610479

Ion	Ratio	Lower	Upper
200	100		
173	27.4	7.5	47.5
215	49.1	28.8	68.8

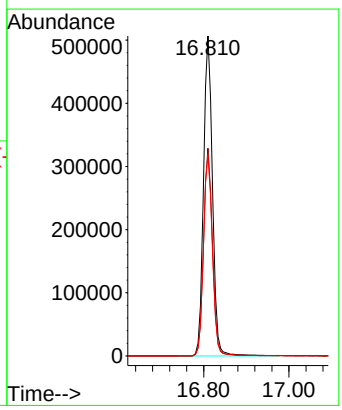


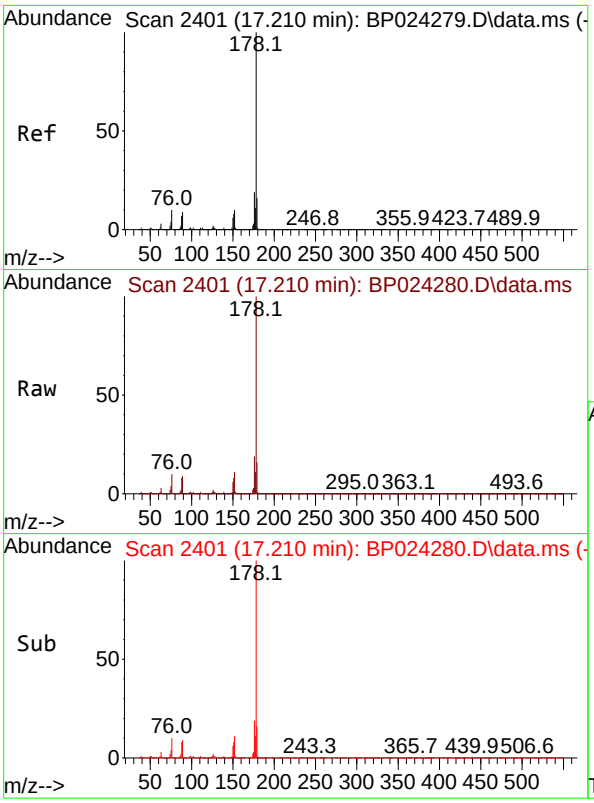


#70
Pentachlorophenol
Concen: 55.203 ng
RT: 16.810 min Scan# 2333
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:266 Resp: 739779

Ion	Ratio	Lower	Upper
266	100		
268	64.9	51.0	76.6
264	62.9	49.8	74.6



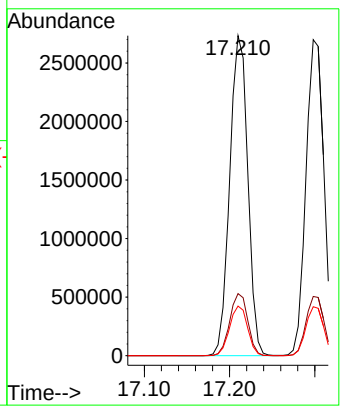


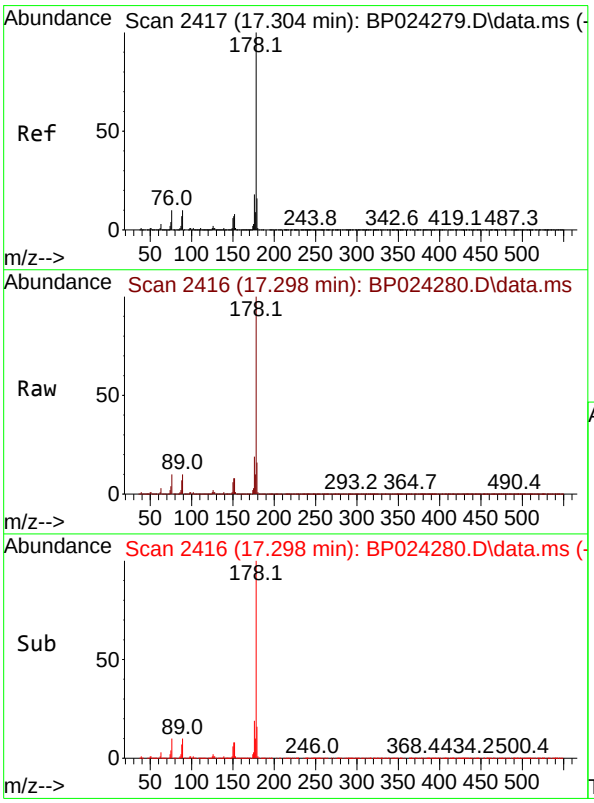
#71
Phenanthrene
Concen: 48.768 ng
RT: 17.210 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 4024282

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.5	12.5	18.7

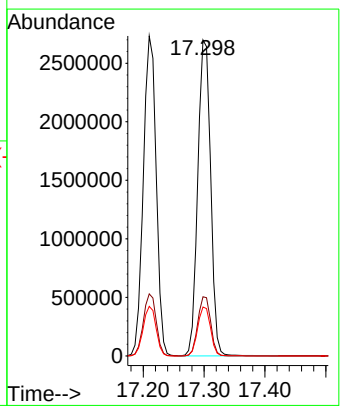


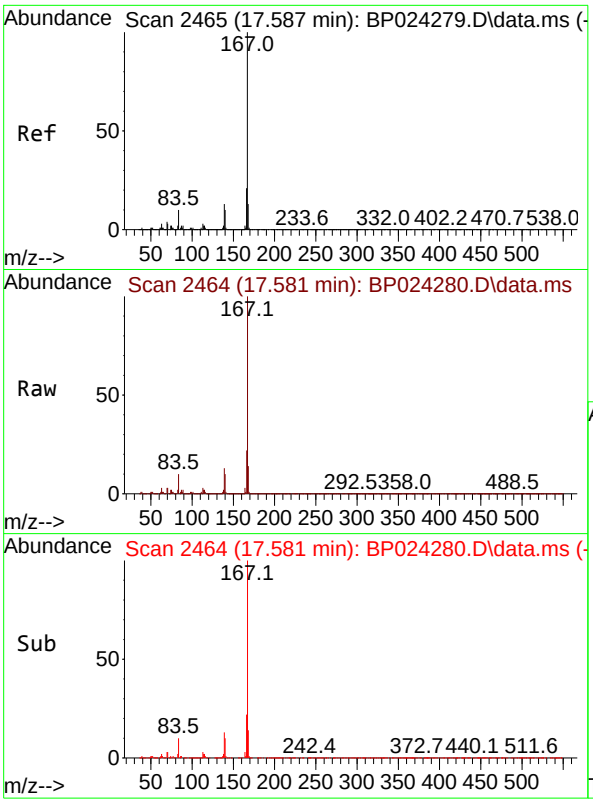


#72
Anthracene
Concen: 49.883 ng
RT: 17.298 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:178 Resp: 3960913

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.7	22.1
179	15.5	12.4	18.6



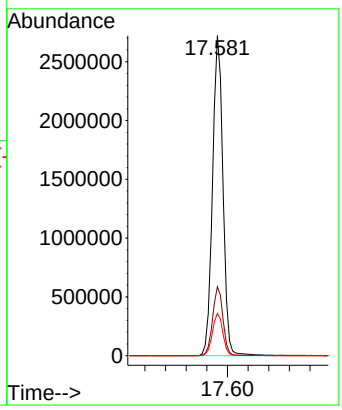


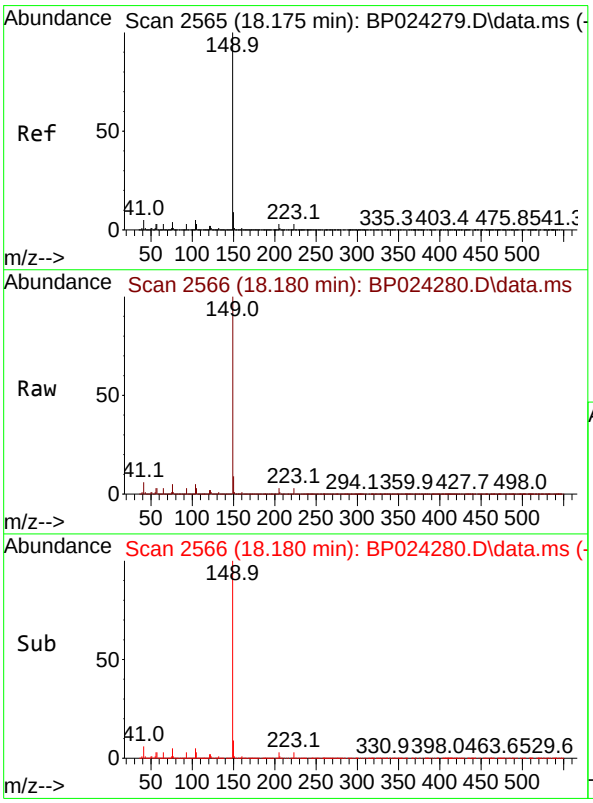
#73
Carbazole
Concen: 49.364 ng
RT: 17.581 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 3814743

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.1	25.7
139	13.3	10.6	16.0

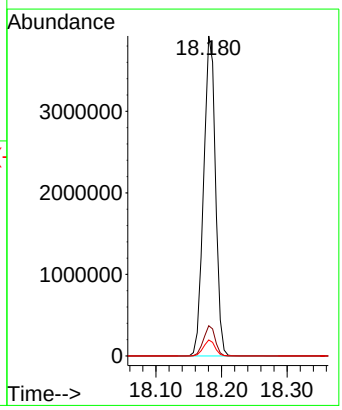


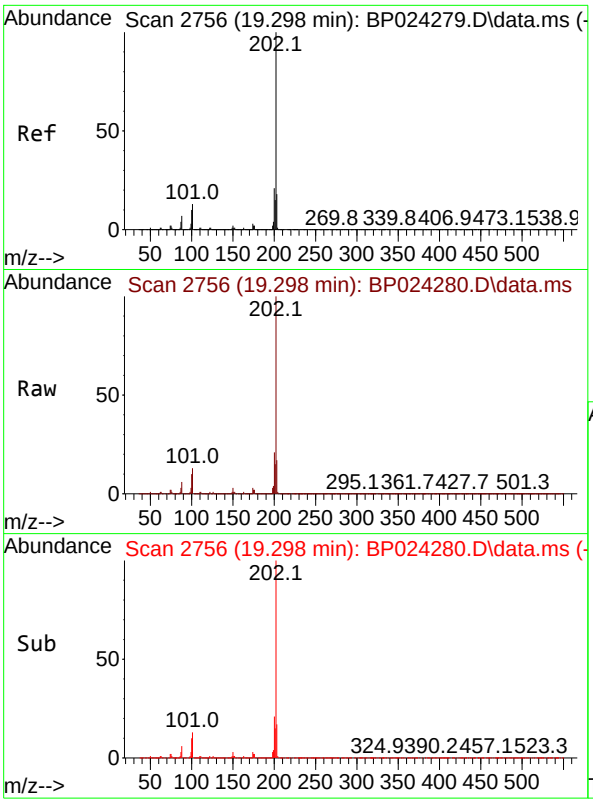


#74
Di-n-butylphthalate
Concen: 51.208 ng
RT: 18.180 min Scan# 2566
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:149 Resp: 4930617

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	5.0	3.9	5.9



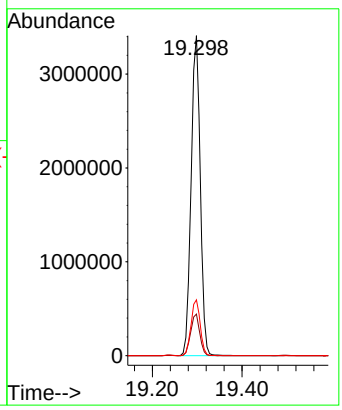


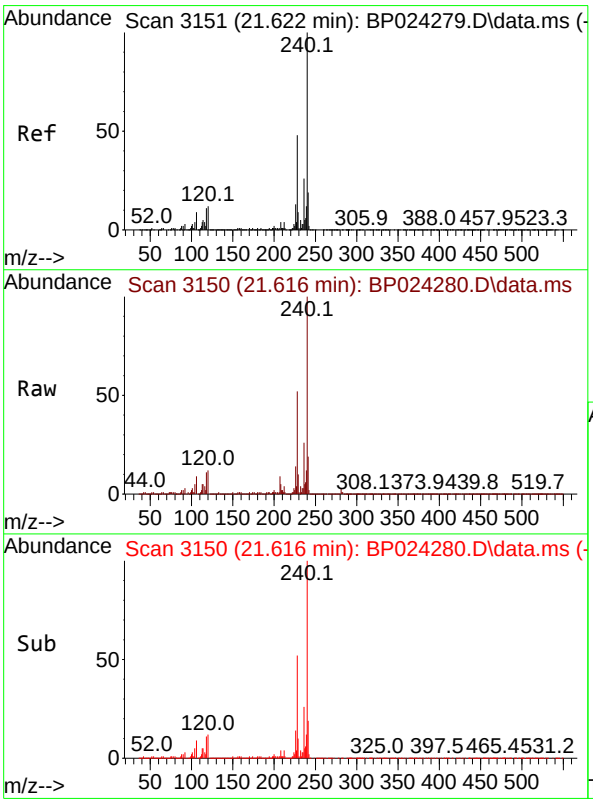
#75
Fluoranthene
Concen: 49.160 ng
RT: 19.298 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 4815021

Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	33.2
203	17.4	0.0	37.7

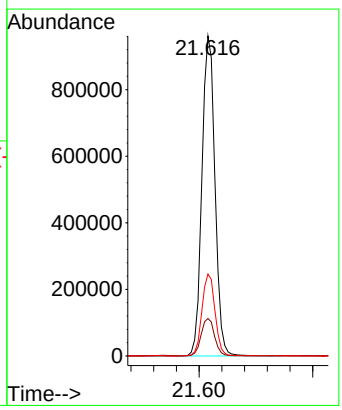


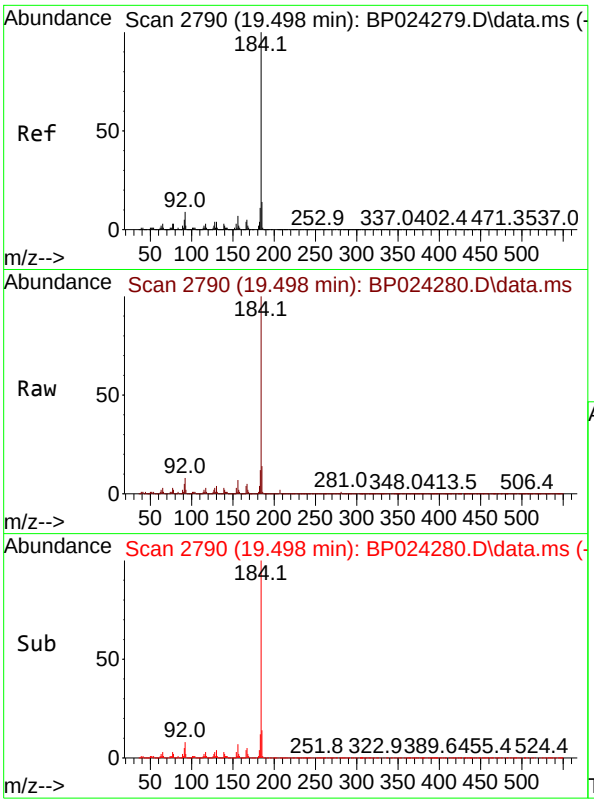


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.616 min Scan# 3150
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:240 Resp: 1527193

Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.8	14.8
236	25.6	20.9	31.3



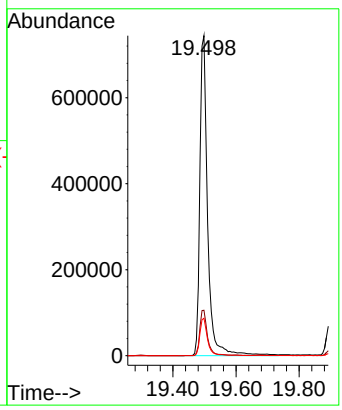


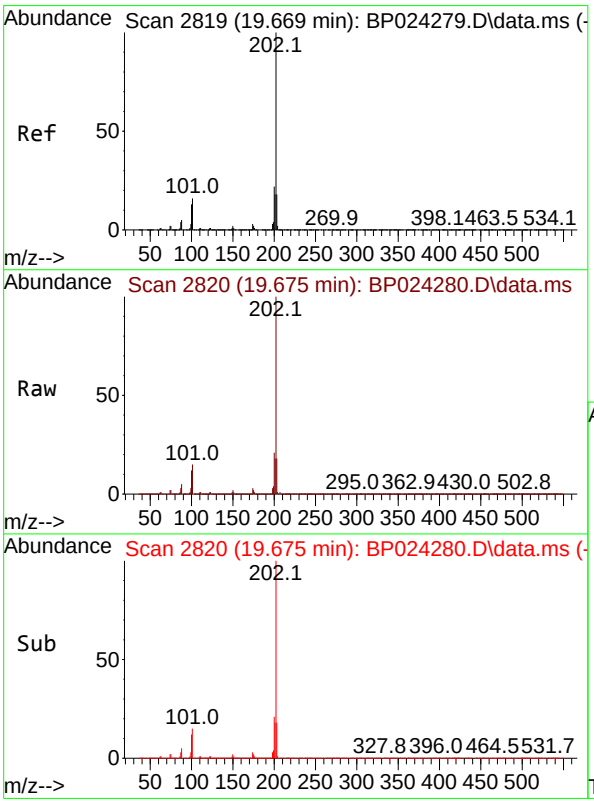
#77
Benzidine
Concen: 67.525 ng
RT: 19.498 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 1272924

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.6	17.4
183	11.7	9.2	13.8

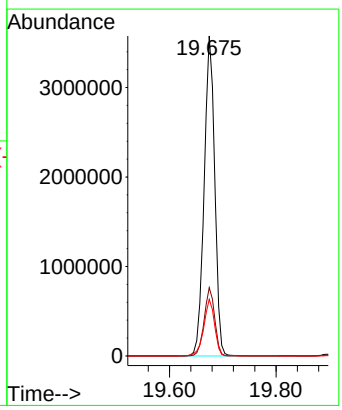


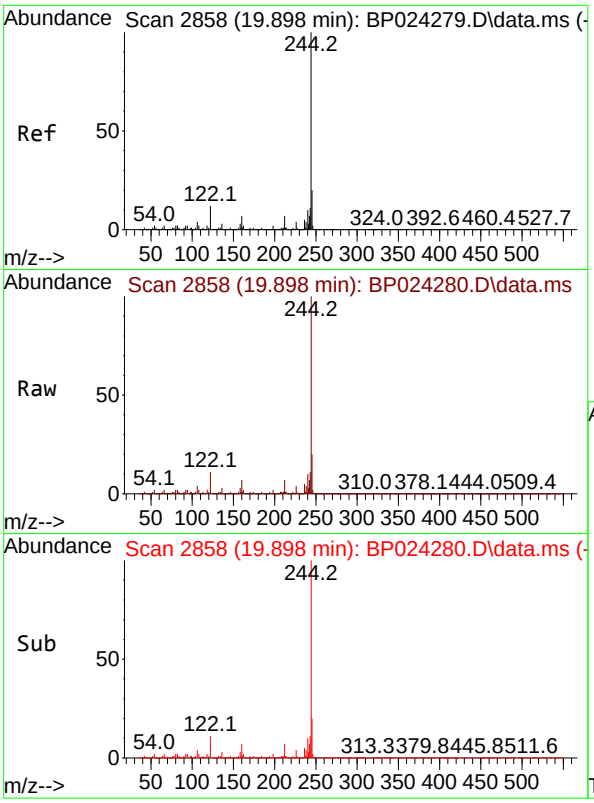


#78
Pyrene
Concen: 50.577 ng
RT: 19.675 min Scan# 2820
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:202 Resp: 4942328

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.2	25.8
203	17.7	14.4	21.6



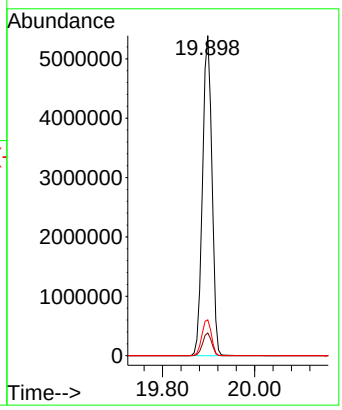


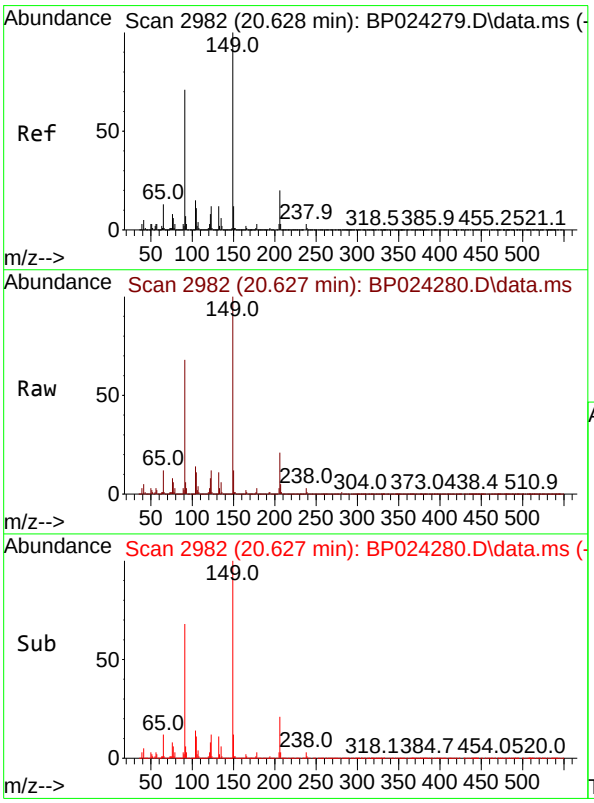
#79
Terphenyl-d14
Concen: 100.142 ng
RT: 19.898 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 7671902

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	11.2	9.4	14.0

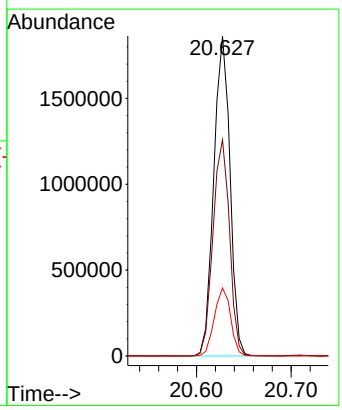


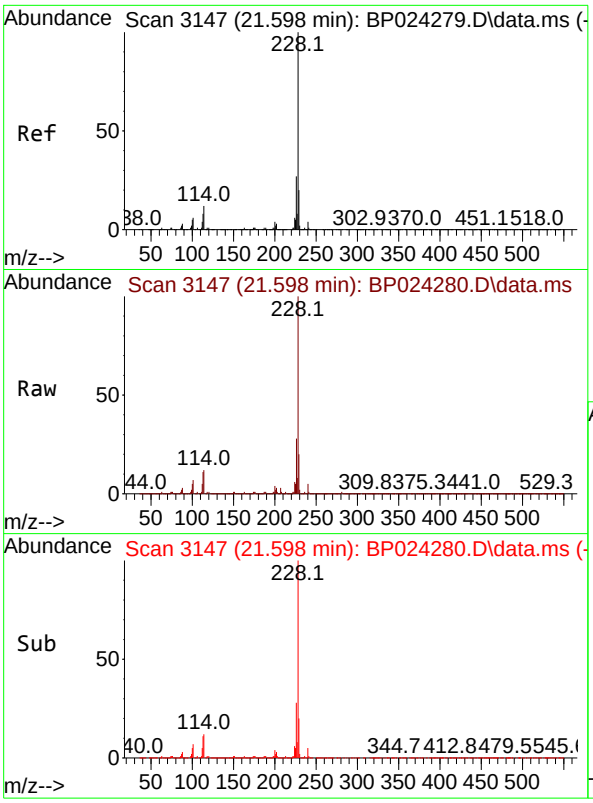


#80
Butylbenzylphthalate
Concen: 53.788 ng
RT: 20.627 min Scan# 2982
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:149 Resp: 2215843

Ion	Ratio	Lower	Upper
149	100		
91	67.6	56.4	84.6
206	21.3	16.3	24.5



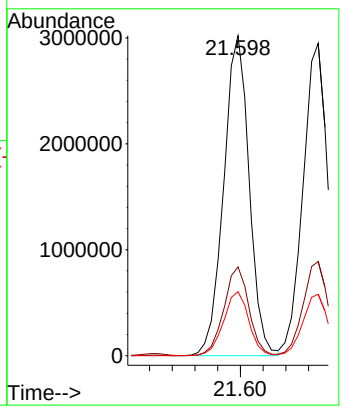


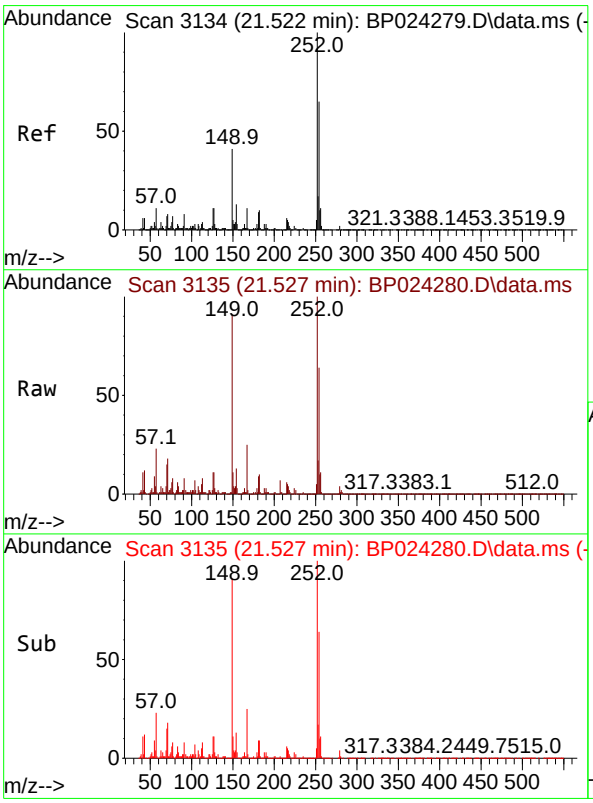
#81
Benzo(a)anthracene
Concen: 49.485 ng
RT: 21.598 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 4711301

Ion	Ratio	Lower	Upper
228	100		
226	27.7	21.8	32.8
229	20.0	15.9	23.9

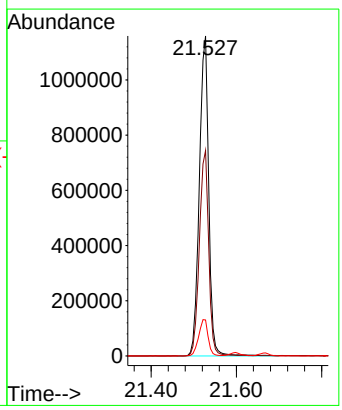


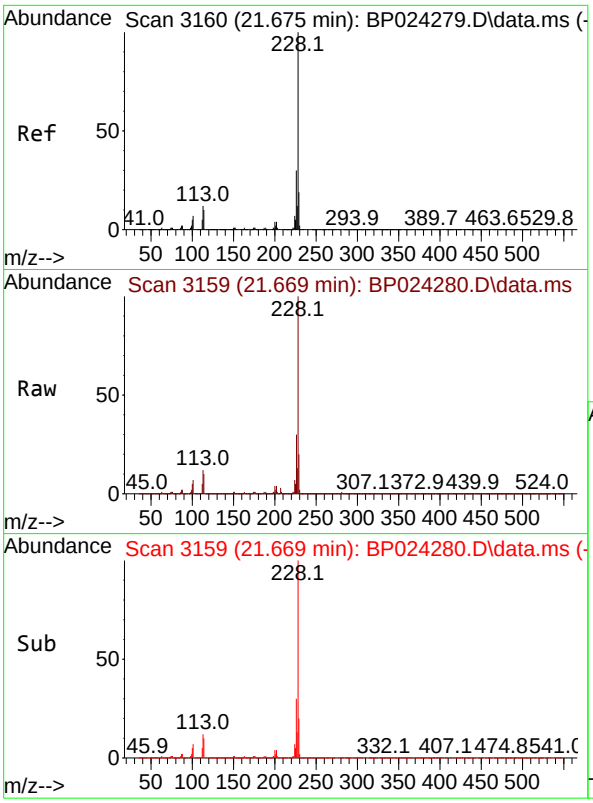


#82
3,3'-Dichlorobenzidine
Concen: 53.582 ng
RT: 21.527 min Scan# 3135
Delta R.T. 0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:252 Resp: 1768950

Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.7	77.5
126	11.3	8.8	13.2



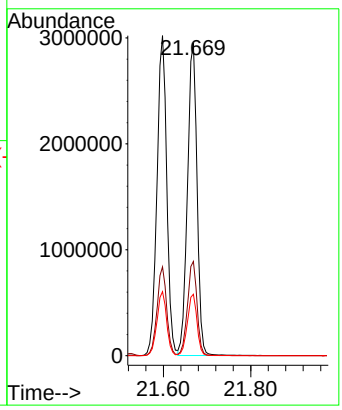


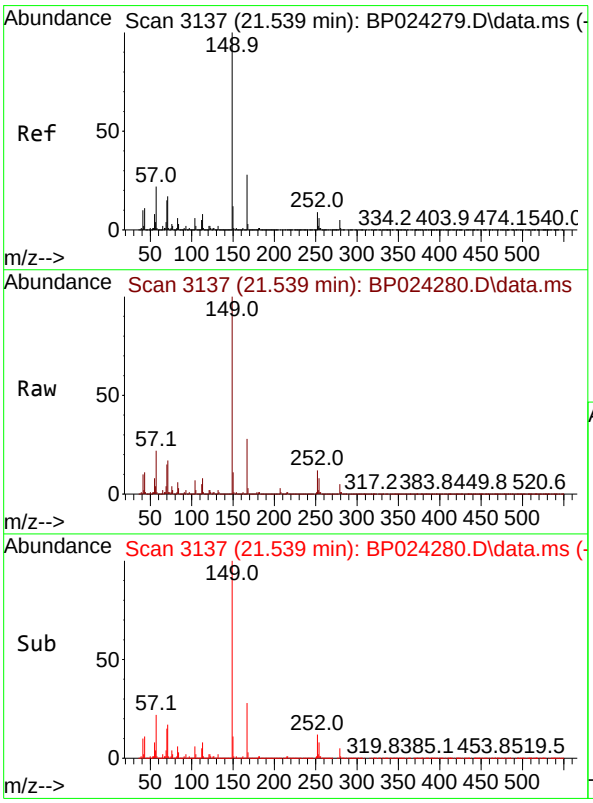
#83
Chrysene
Concen: 49.099 ng
RT: 21.669 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 4480150

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.2	36.2
229	19.7	15.6	23.4

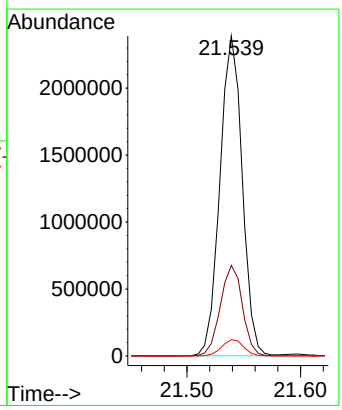


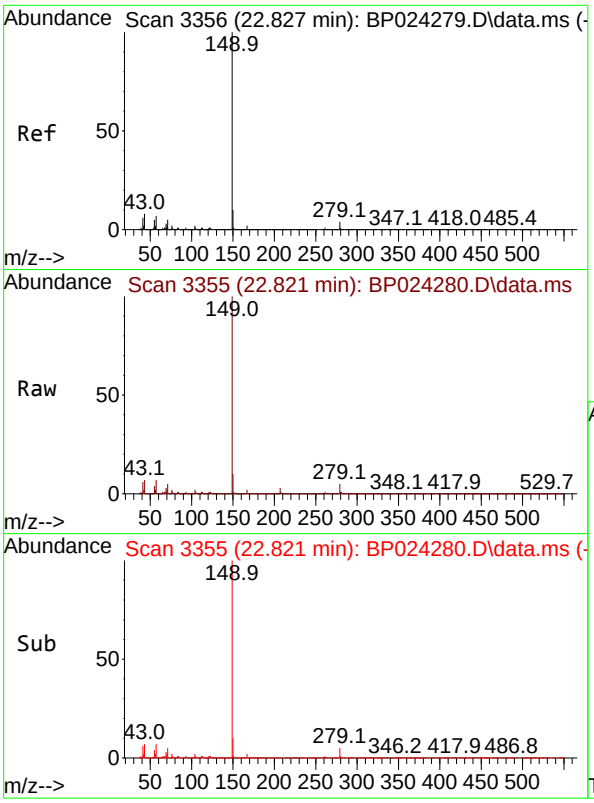


#84
Bis(2-ethylhexyl)phthalate
Concen: 53.679 ng
RT: 21.539 min Scan# 3137
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:149 Resp: 3256722

Ion	Ratio	Lower	Upper
149	100		
167	28.3	22.4	33.6
279	5.1	4.0	6.0



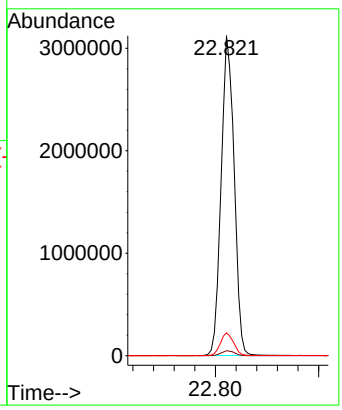


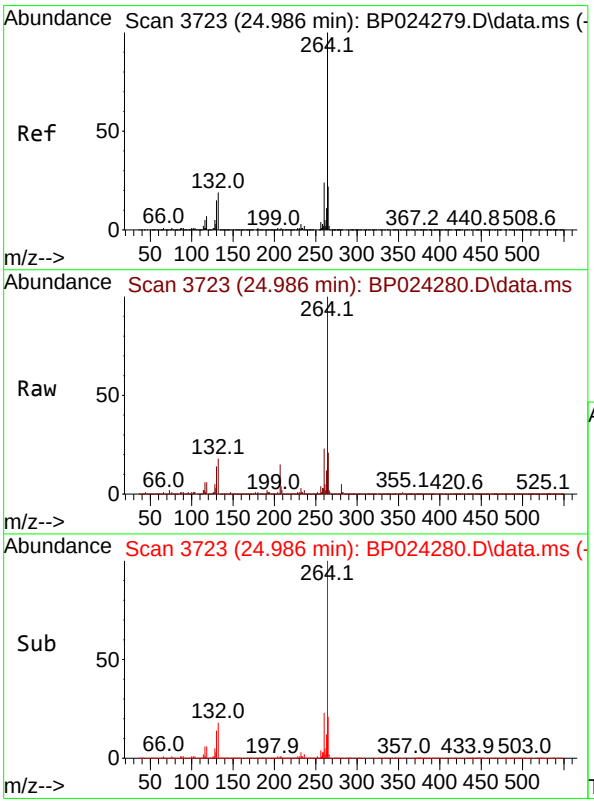
#85
Di-n-octyl phthalate
Concen: 56.166 ng
RT: 22.821 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 5458484

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.2	6.0	9.0

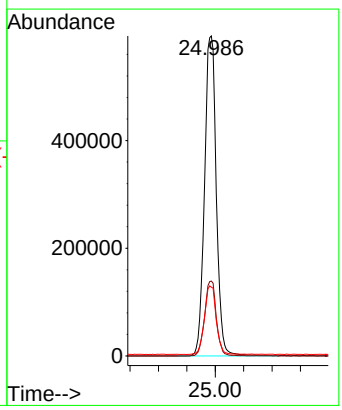


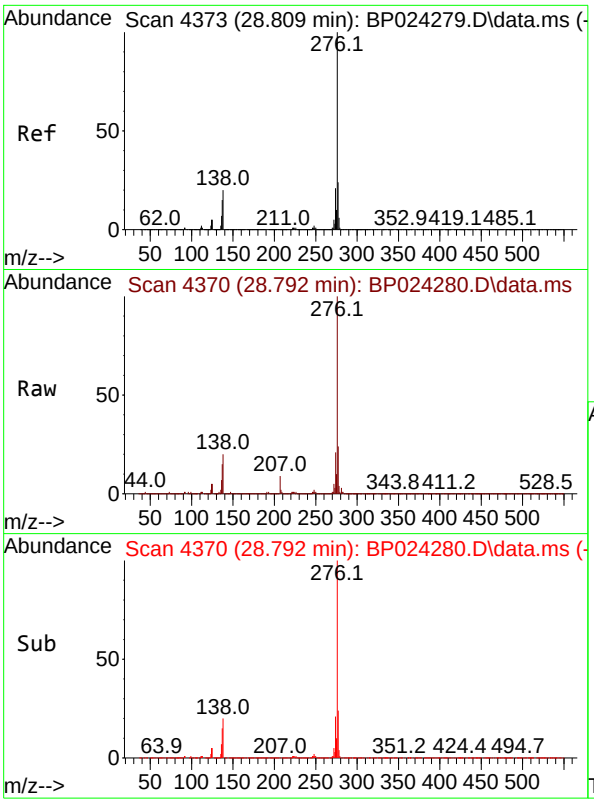


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.986 min Scan# 3723
Delta R.T. -0.000 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:264 Resp: 1706545

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.9	28.3
265	21.5	17.8	26.6



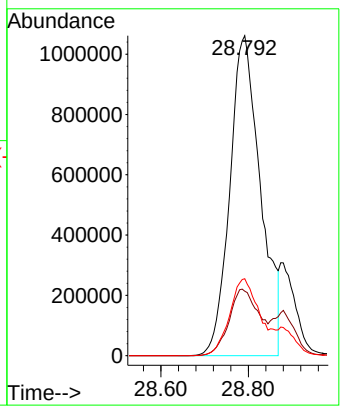


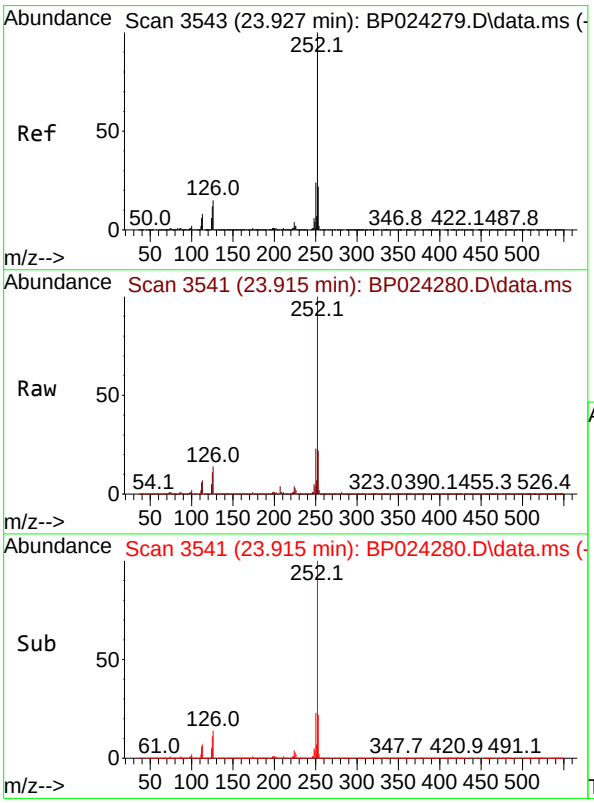
#87
Indeno(1,2,3-cd)pyrene
Concen: 44.161 ng
RT: 28.792 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 5183145

Ion	Ratio	Lower	Upper
276	100		
138	20.4	14.5	21.7
277	24.0	20.2	30.2

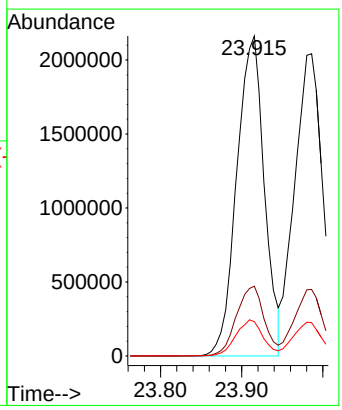


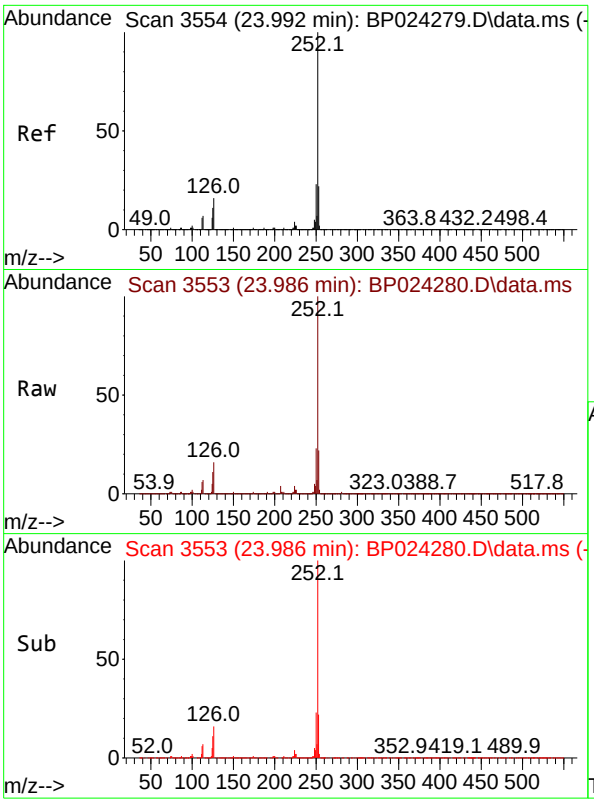


#88
Benzo(b)fluoranthene
Concen: 49.975 ng
RT: 23.915 min Scan# 3541
Delta R.T. -0.012 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:252 Resp: 5102465

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	10.7	9.4	14.0



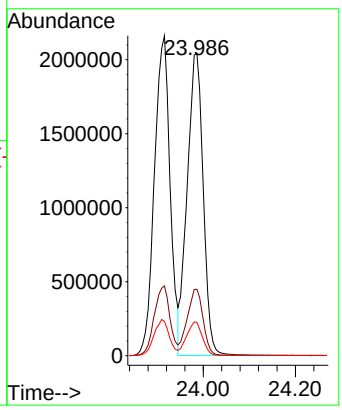


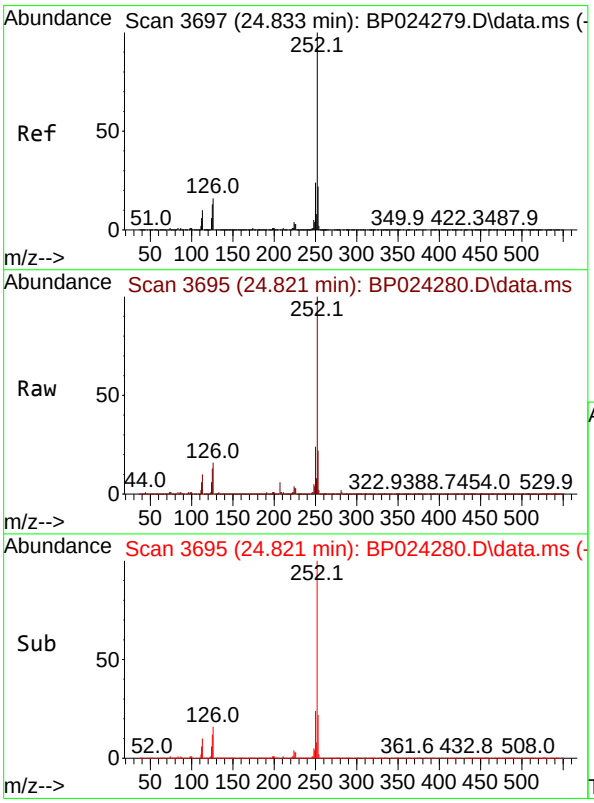
#89
Benzo(k)fluoranthene
Concen: 49.683 ng
RT: 23.986 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 4923203

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	11.0	9.1	13.7

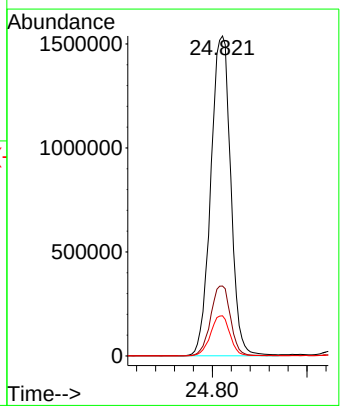


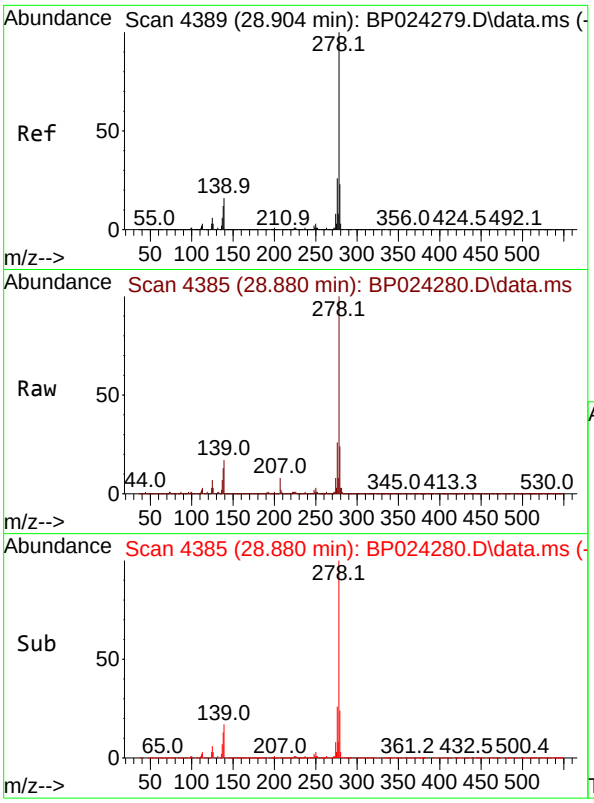


#90
Benzo(a)pyrene
Concen: 51.093 ng
RT: 24.821 min Scan# 3695
Delta R.T. -0.012 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:252 Resp: 4490517

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	12.5	10.1	15.1



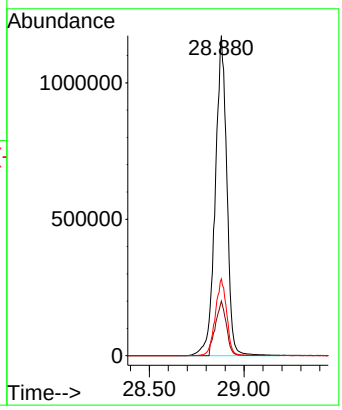


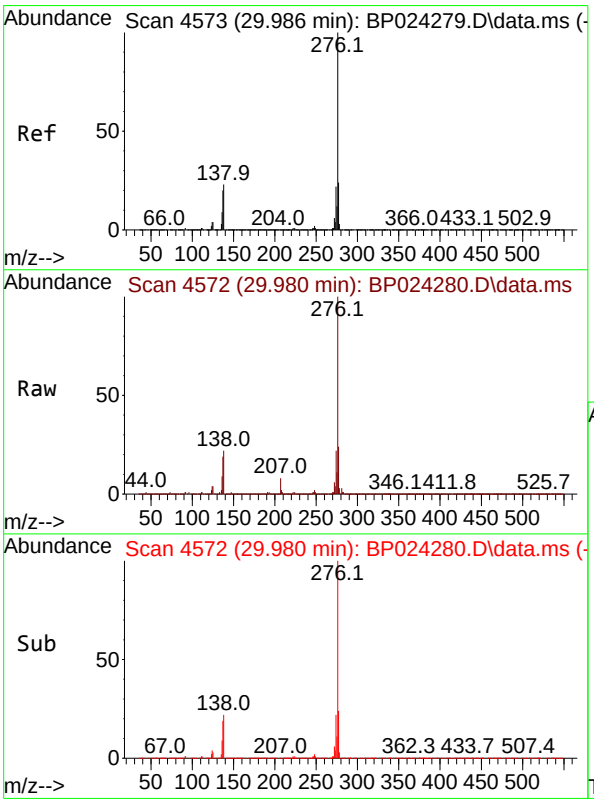
#91
Dibenzo(a,h)anthracene
Concen: 51.084 ng
RT: 28.880 min Scan# 4
Delta R.T. -0.024 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 4987219

Ion	Ratio	Lower	Upper
278	100		
139	17.1	12.6	19.0
279	24.0	18.5	27.7

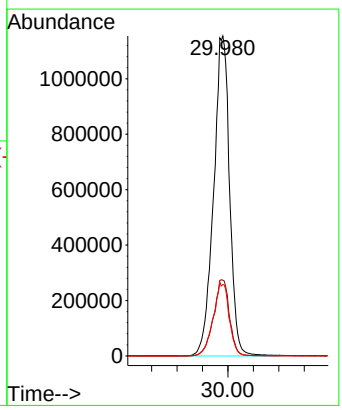




#92
Benzo(g,h,i)perylene
Concen: 50.656 ng
RT: 29.980 min Scan# 4572
Delta R.T. -0.006 min
Lab File: BP024280.D
Acq: 14 Apr 2025 15:10

Tgt Ion:276 Resp: 5033807

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.9	28.3
138	22.4	18.7	28.1



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024281.D
Acq On : 14 Apr 2025 16:32
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Apr 14 17:27:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.728	152	283549	20.000	ng		0.00
21) Naphthalene-d8	10.510	136	1206231	20.000	ng		0.00
39) Acenaphthene-d10	14.363	164	777459	20.000	ng		0.00
64) Phenanthrene-d10	17.169	188	1536805	20.000	ng		0.00
76) Chrysene-d12	21.621	240	1596148	20.000	ng		0.00
86) Perylene-d12	24.986	264	1858365	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.352	112	2173071	126.481	ng		0.00
7) Phenol-d6	6.916	99	3009690	128.049	ng		0.00
23) Nitrobenzene-d5	8.881	82	2579126	121.729	ng		0.00
42) 2,4,6-Tribromophenol	15.881	330	1382037	129.818	ng		0.00
45) 2-Fluorobiphenyl	12.975	172	5835791	113.964	ng		0.00
79) Terphenyl-d14	19.898	244	9228969	115.262	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.293	88	417124	56.869	ng		100
3) Pyridine	3.687	79	923747	48.382	ng		99
4) n-Nitrosodimethylamine	3.599	42	391176	61.443	ng		99
6) Aniline	7.069	93	1214636	57.245	ng		100
8) 2-Chlorophenol	7.305	128	1190812	62.021	ng		99
9) Benzaldehyde	6.881	77	617878	50.755	ng		99
10) Phenol	6.946	94	1513303	64.123	ng		99
11) bis(2-Chloroethyl)ether	7.163	93	1155297	60.579	ng		100
12) 1,3-Dichlorobenzene	7.622	146	1218832	58.589	ng		100
13) 1,4-Dichlorobenzene	7.763	146	1244205	58.981	ng		100
14) 1,2-Dichlorobenzene	8.081	146	1199988	58.830	ng		100
15) Benzyl Alcohol	7.975	79	1002308	66.533	ng		100
16) 2,2'-oxybis(1-Chloropr...	8.257	45	1187992	57.259	ng		99
17) 2-Methylphenol	8.175	107	978531	64.342	ng		99
18) Hexachloroethane	8.804	117	453349	59.545	ng		98
19) n-Nitroso-di-n-propyla...	8.534	70	883042	60.486	ng		99
20) 3+4-Methylphenols	8.499	107	1367005	64.895	ng		99
22) Acetophenone	8.546	105	1792666	59.797	ng	#	99
24) Nitrobenzene	8.922	77	1276229	60.775	ng		100
25) Isophorone	9.446	82	2365423	61.842	ng		99
26) 2-Nitrophenol	9.628	139	690735	68.504	ng		99
27) 2,4-Dimethylphenol	9.693	122	826335	64.660	ng		98
28) bis(2-Chloroethoxy)met...	9.922	93	1539129	59.124	ng		99
29) 2,4-Dichlorophenol	10.157	162	1124170	64.543	ng		99
30) 1,2,4-Trichlorobenzene	10.369	180	1138896	60.440	ng		99
31) Naphthalene	10.557	128	3790924	59.373	ng		99
32) Benzoic acid	9.869	122	999194	72.353	ng		99
33) 4-Chloroaniline	10.675	127	1372601	61.527	ng		100
34) Hexachlorobutadiene	10.845	225	660129	59.719	ng		99
35) Caprolactam	11.475	113	437691	68.445	ng		99
36) 4-Chloro-3-methylphenol	11.804	107	1314421	64.762	ng		98
37) 2-Methylnaphthalene	12.169	142	2676555	60.487	ng		99
38) 1-Methylnaphthalene	12.387	142	2599119	59.960	ng		100
40) 1,2,4,5-Tetrachloroben...	12.540	216	1281552	59.981	ng		100
41) Hexachlorocyclopentadiene	12.522	237	459486	61.257	ng		99
43) 2,4,6-Trichlorophenol	12.787	196	909999	64.732	ng		98

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024281.D
Acq On : 14 Apr 2025 16:32
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Apr 14 17:27:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

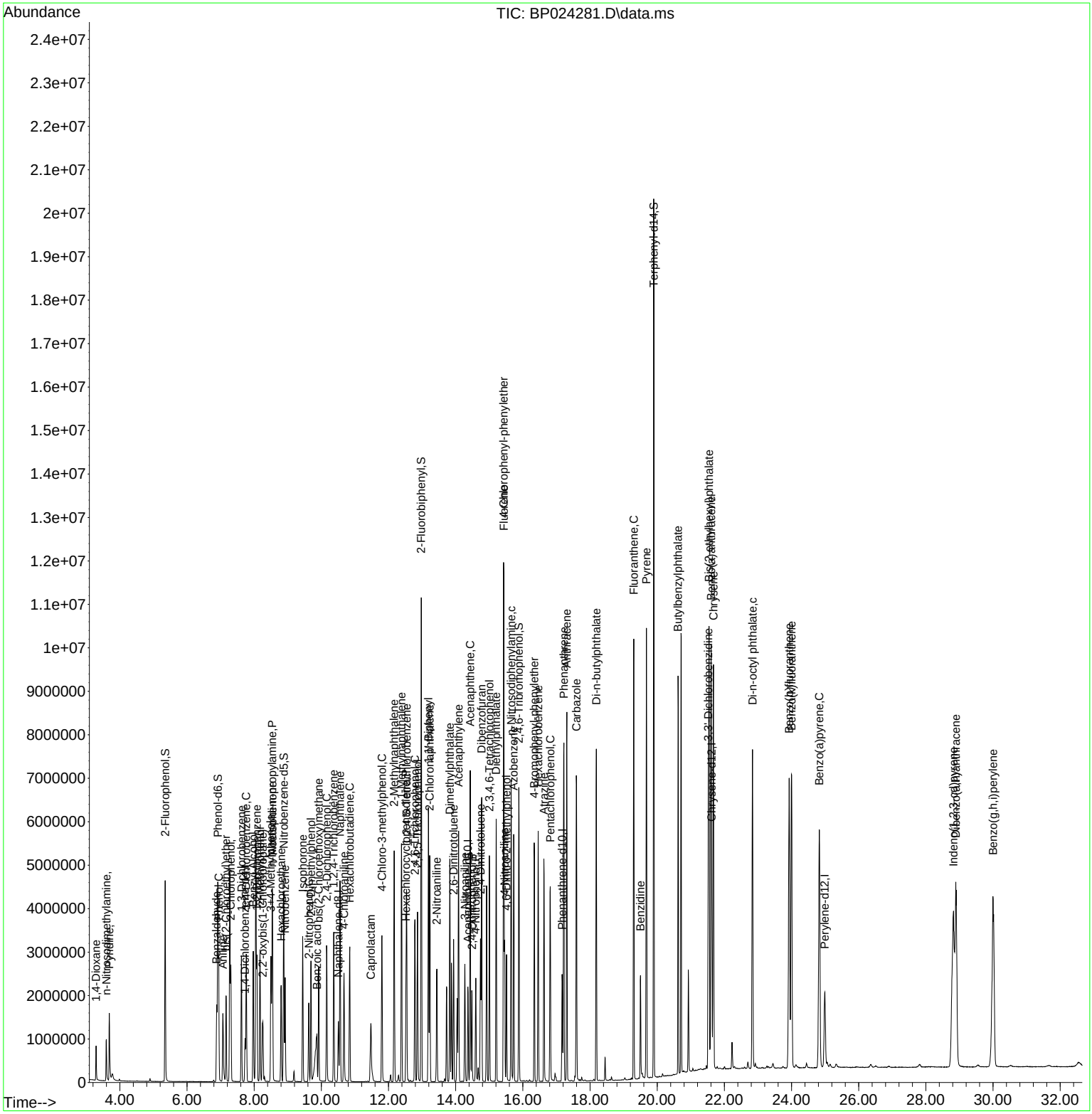
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.863	196	1017414	65.306	ng	99
46) 1,1'-Biphenyl	13.187	154	3330176	58.001	ng	99
47) 2-Chloronaphthalene	13.228	162	2542212	59.336	ng	99
48) 2-Nitroaniline	13.439	65	781584	66.042	ng	98
49) Acenaphthylene	14.087	152	4111553	61.143	ng	99
50) Dimethylphthalate	13.828	163	3404463	60.022	ng	100
51) 2,6-Dinitrotoluene	13.939	165	764810	63.998	ng	98
52) Acenaphthene	14.434	154	2516981	58.858	ng	99
53) 3-Nitroaniline	14.275	138	793796	64.022	ng	99
54) 2,4-Dinitrophenol	14.486	184	490497	76.655	ng	97
55) Dibenzofuran	14.775	168	4124640	58.810	ng	100
56) 4-Nitrophenol	14.598	139	754038	70.748	ng	99
57) 2,4-Dinitrotoluene	14.739	165	1079633	66.836	ng	98
58) Fluorene	15.434	166	3184960	58.817	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.004	232	909497	63.097	ng	100
60) Diethylphthalate	15.204	149	3495577	59.879	ng	100
61) 4-Chlorophenyl-phenyle...	15.428	204	1563042	59.442	ng	99
62) 4-Nitroaniline	15.457	138	886163	67.414	ng	98
63) Azobenzene	15.728	77	3229873	60.070	ng	98
65) 4,6-Dinitro-2-methylph...	15.516	198	647253	72.083	ng	94
66) n-Nitrosodiphenylamine	15.651	169	2805137	60.874	ng	100
67) 4-Bromophenyl-phenylether	16.339	248	1038071	61.926	ng	98
68) Hexachlorobenzene	16.457	284	1239550	62.200	ng	97
69) Atrazine	16.628	200	1019081	87.230	ng	100
70) Pentachlorophenol	16.816	266	936562	68.445	ng	100
71) Phenanthrene	17.222	178	4988840	59.209	ng	99
72) Anthracene	17.310	178	4938117	60.907	ng	99
73) Carbazole	17.592	167	4780408	60.584	ng	99
74) Di-n-butylphthalate	18.186	149	6167206	62.730	ng	100
75) Fluoranthene	19.304	202	6009748	60.092	ng	98
77) Benzidine	19.504	184	1446166	73.401	ng	100
78) Pyrene	19.680	202	6250781	61.204	ng	100
80) Butylbenzylphthalate	20.621	149	2840001	65.961	ng	98
81) Benzo(a)anthracene	21.604	228	6002059	60.318	ng	99
82) 3,3'-Dichlorobenzidine	21.521	252	2323294	67.333	ng	100
83) Chrysene	21.674	228	5714775	59.924	ng	99
84) Bis(2-ethylhexyl)phtha...	21.545	149	4153128	65.497	ng	99
85) Di-n-octyl phthalate	22.839	149	7116217	70.060	ng	99
87) Indeno(1,2,3-cd)pyrene	28.821	276	6931333	54.232	ng	96
88) Benzo(b)fluoranthene	23.927	252	6715444	60.400	ng	99
89) Benzo(k)fluoranthene	24.004	252	6500782	60.244	ng	99
90) Benzo(a)pyrene	24.827	252	5964163	62.316	ng	99
91) Dibenzo(a,h)anthracene	28.892	278	6614173	62.214	ng	98
92) Benzo(g,h,i)perylene	30.003	276	6740929	62.294	ng	98

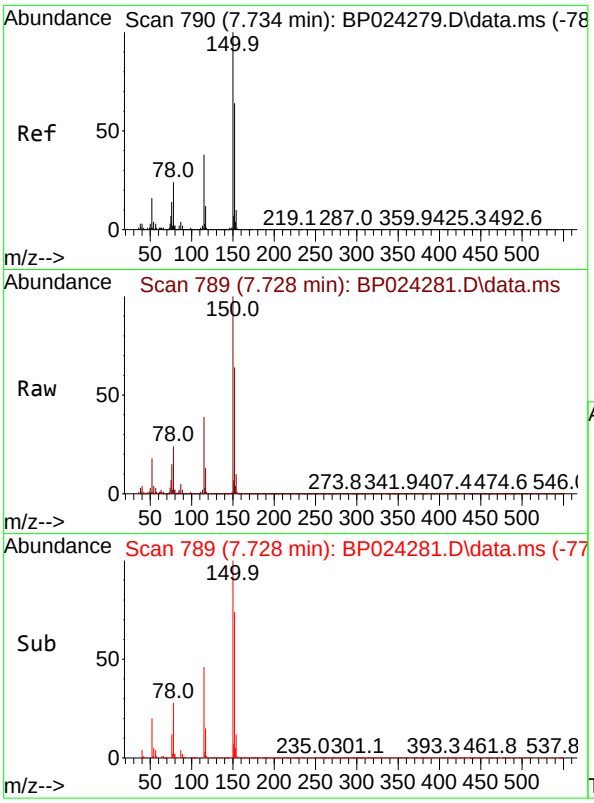
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024281.D
Acq On : 14 Apr 2025 16:32
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Apr 14 17:27:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration



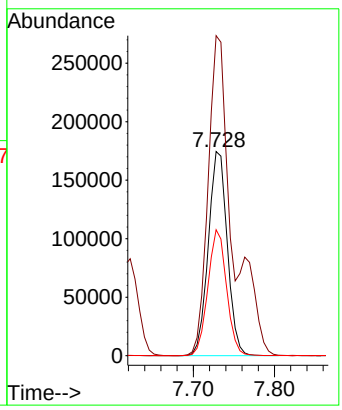


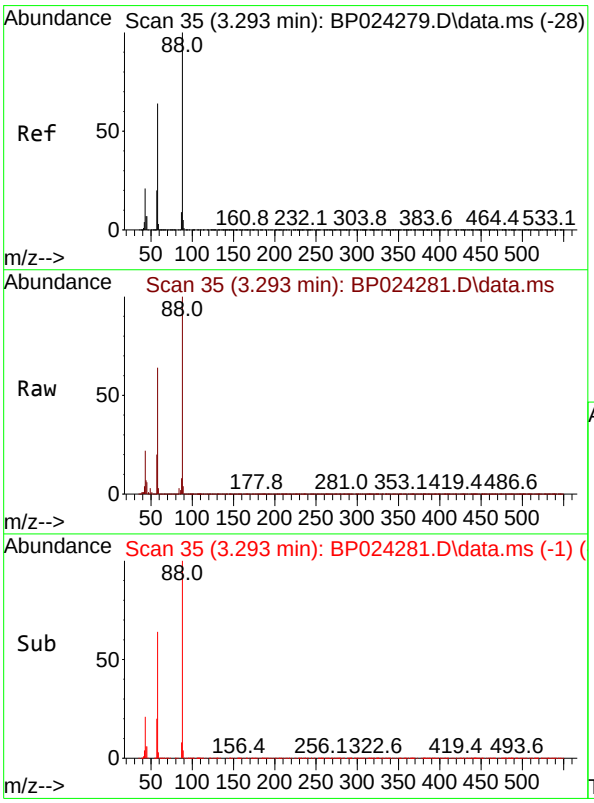
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.728 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 283549

Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.9	187.3
115	61.7	47.7	71.5

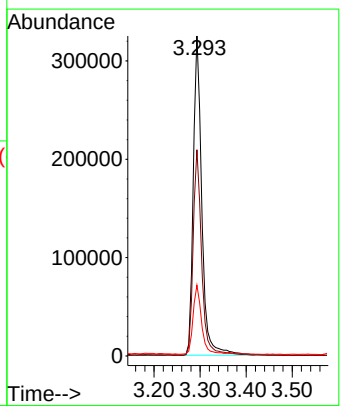


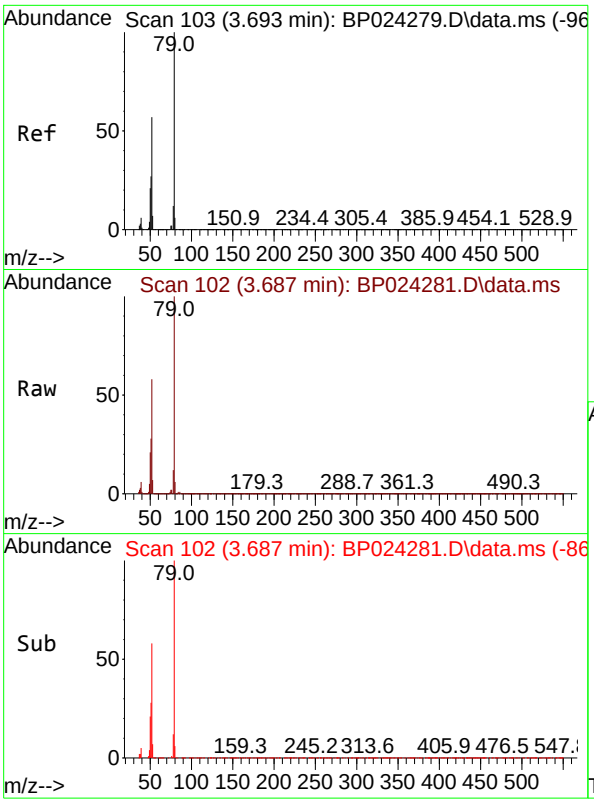


#2
1,4-Dioxane
Concen: 56.869 ng
RT: 3.293 min Scan# 35
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion: 88 Resp: 417124

Ion	Ratio	Lower	Upper
88	100		
58	64.4	51.4	77.2
43	21.4	17.1	25.7



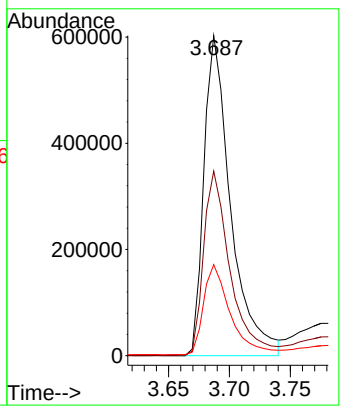


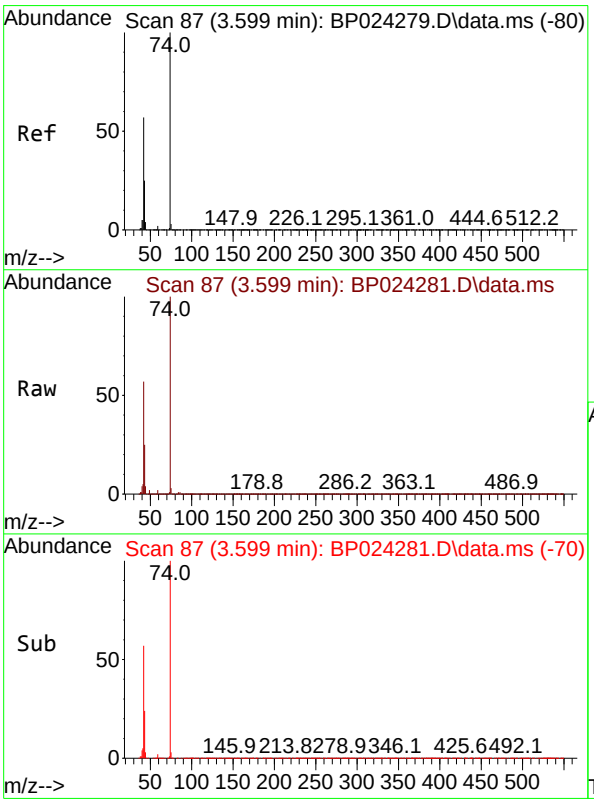
#3
Pyridine
Concen: 48.382 ng
RT: 3.687 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 923747

Ion	Ratio	Lower	Upper
79	100		
52	57.7	45.4	68.2
51	28.4	22.6	33.8

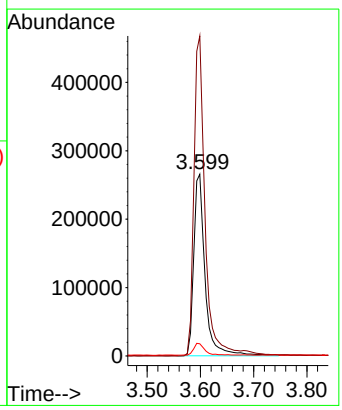


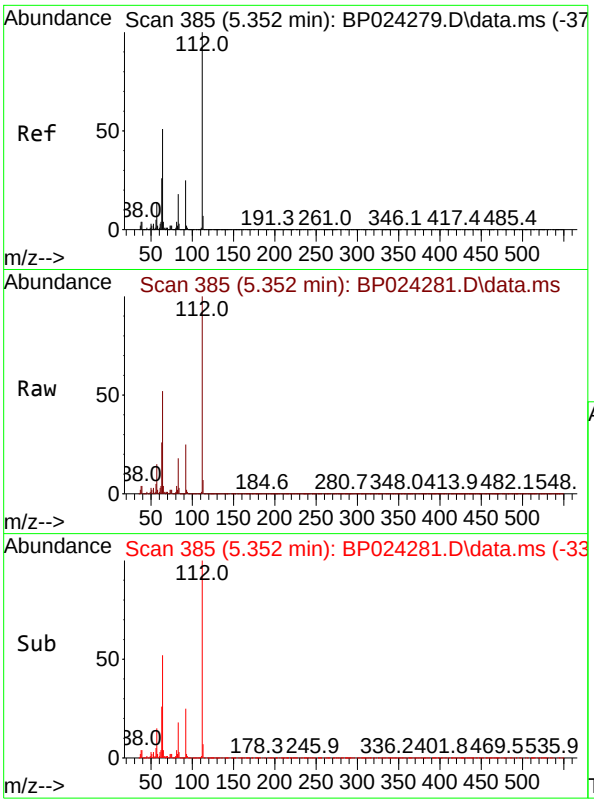


#4
n-Nitrosodimethylamine
Concen: 61.443 ng
RT: 3.599 min Scan# 87
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion: 42 Resp: 391176

Ion	Ratio	Lower	Upper
42	100		
74	176.0	139.5	209.3
44	6.7	5.8	8.8



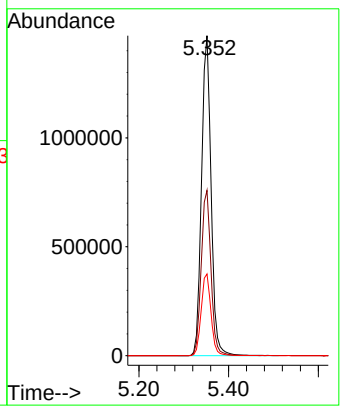


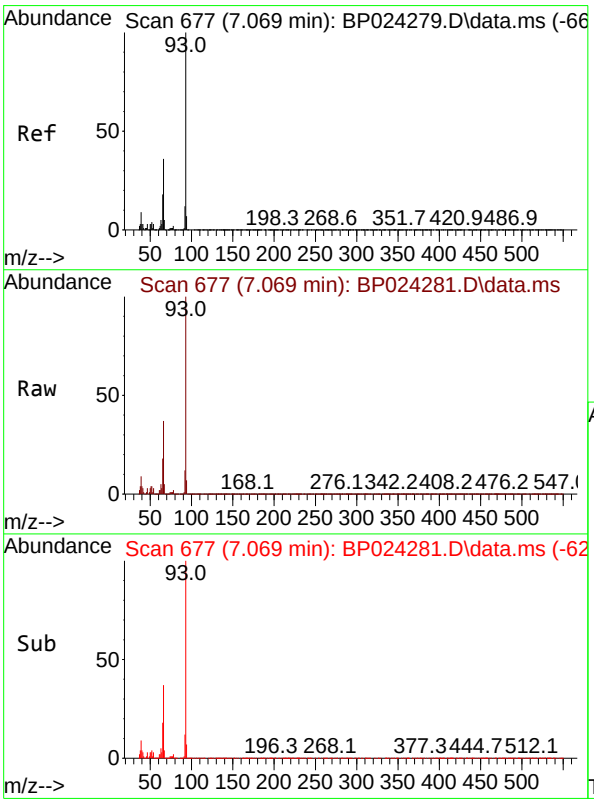
#5
2-Fluorophenol
Concen: 126.481 ng
RT: 5.352 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 2173071

Ion	Ratio	Lower	Upper
112	100		
64	51.6	41.1	61.7
63	25.5	20.6	30.8

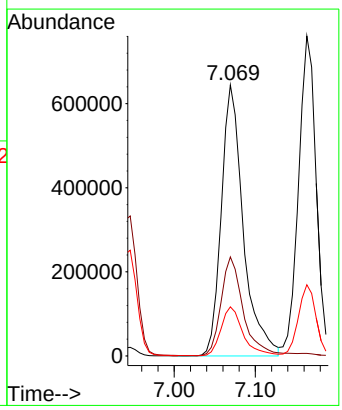


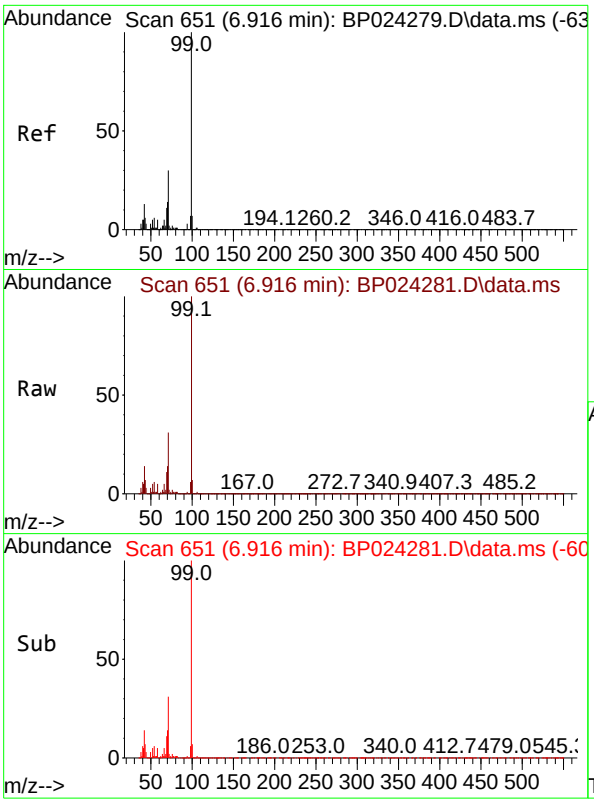


#6
Aniline
Concen: 57.245 ng
RT: 7.069 min Scan# 677
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion: 93 Resp: 1214636

Ion	Ratio	Lower	Upper
93	100		
66	36.6	29.1	43.7
65	18.1	14.7	22.1



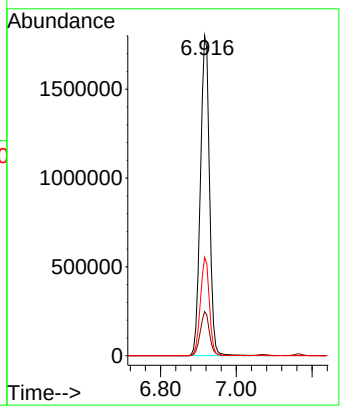


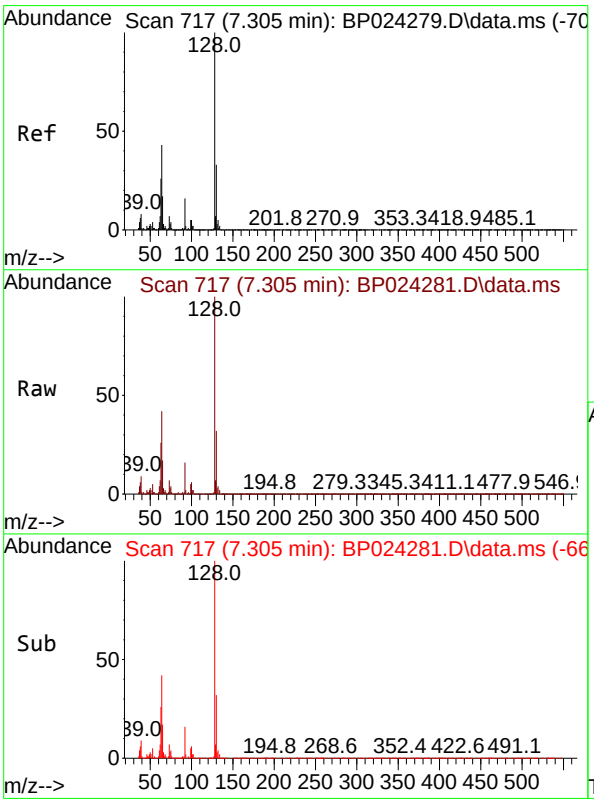
#7
Phenol-d6
Concen: 128.049 ng
RT: 6.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 3009690

Ion	Ratio	Lower	Upper
99	100		
42	13.8	10.6	16.0
71	30.8	23.7	35.5

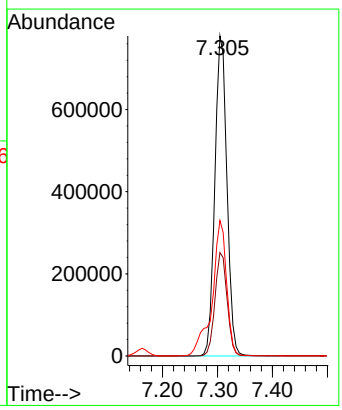


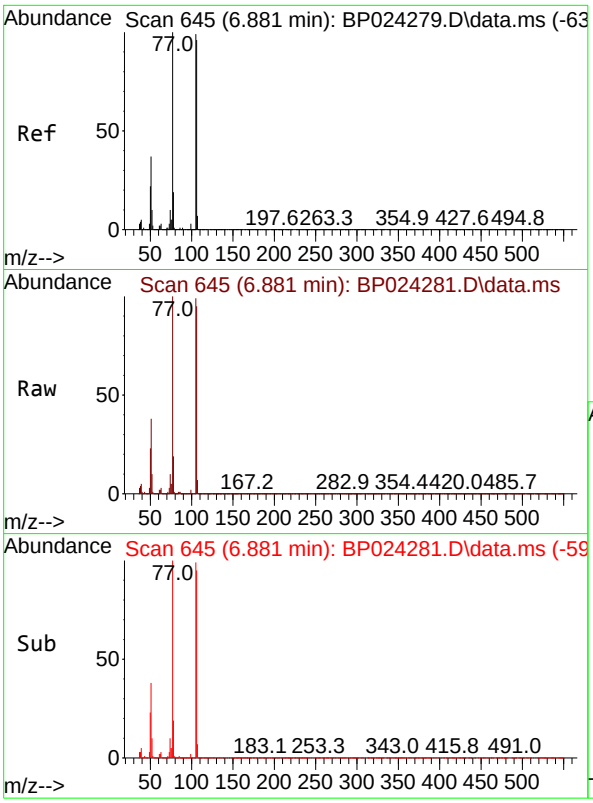


#8
2-Chlorophenol
Concen: 62.021 ng
RT: 7.305 min Scan# 717
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:128 Resp: 1190812

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.9	52.9
64	42.3	22.7	62.7



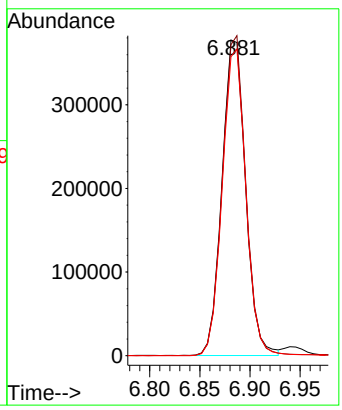


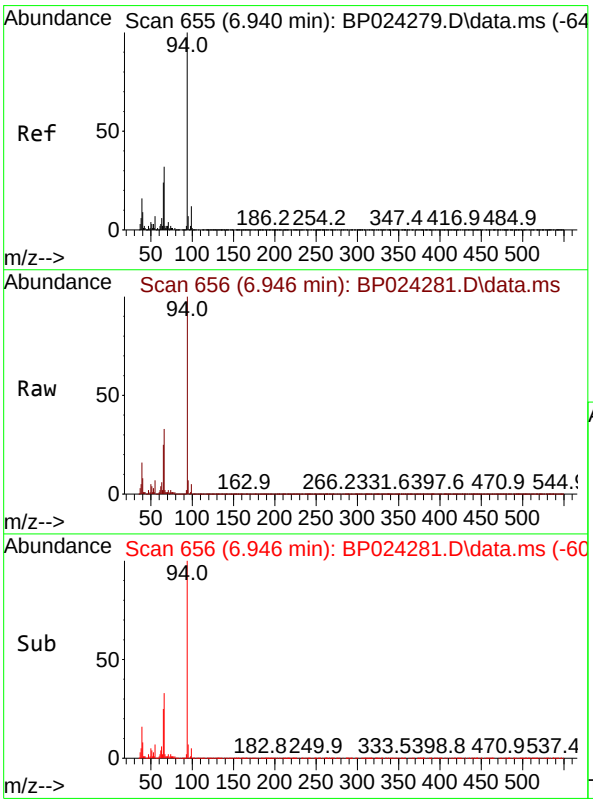
#9
Benzaldehyde
Concen: 50.755 ng
RT: 6.881 min Scan# 64
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 617878

Ion	Ratio	Lower	Upper
77	100		
105	98.5	79.2	119.2
106	94.7	76.2	116.2

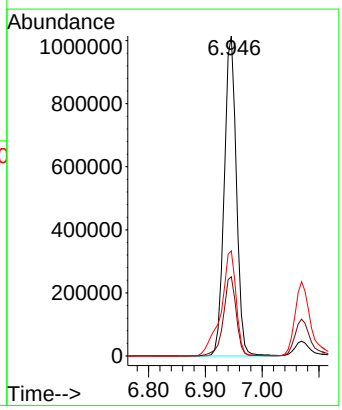


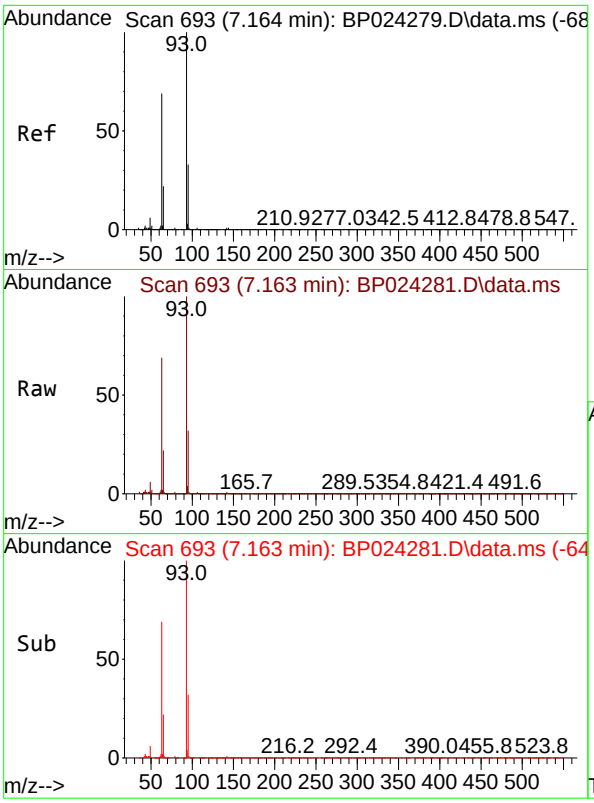


#10
Phenol
Concen: 64.123 ng
RT: 6.946 min Scan# 656
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion: 94 Resp: 1513303

Ion	Ratio	Lower	Upper
94	100		
65	24.8	4.5	44.5
66	32.8	12.4	52.4



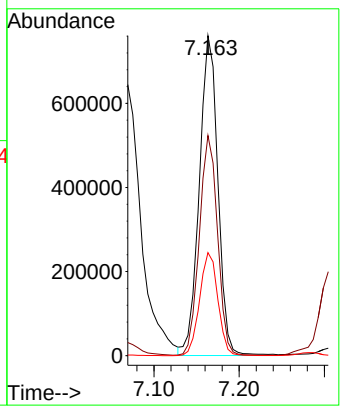


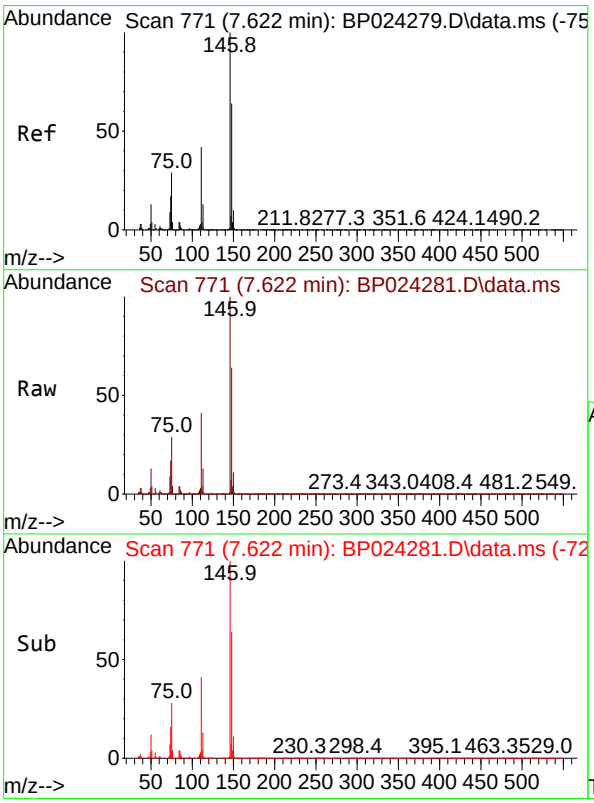
#11
bis(2-Chloroethyl)ether
Concen: 60.579 ng
RT: 7.163 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 1155297

Ion	Ratio	Lower	Upper
93	100		
63	68.8	48.6	88.6
95	32.2	12.3	52.3

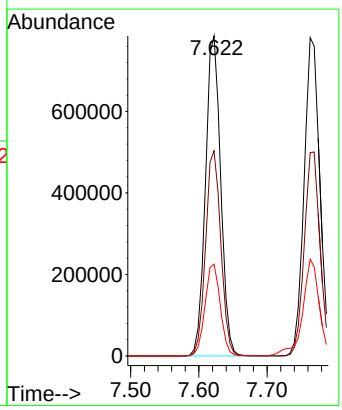


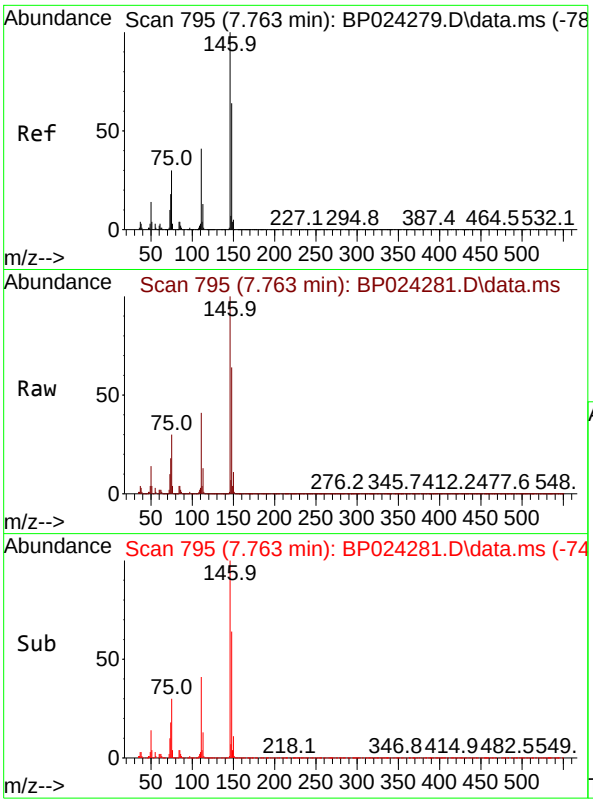


#12
1,3-Dichlorobenzene
Concen: 58.589 ng
RT: 7.622 min Scan# 771
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:146 Resp: 1218832

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.4	77.0
75	28.7	22.9	34.3



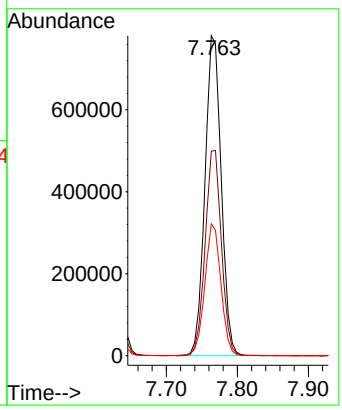


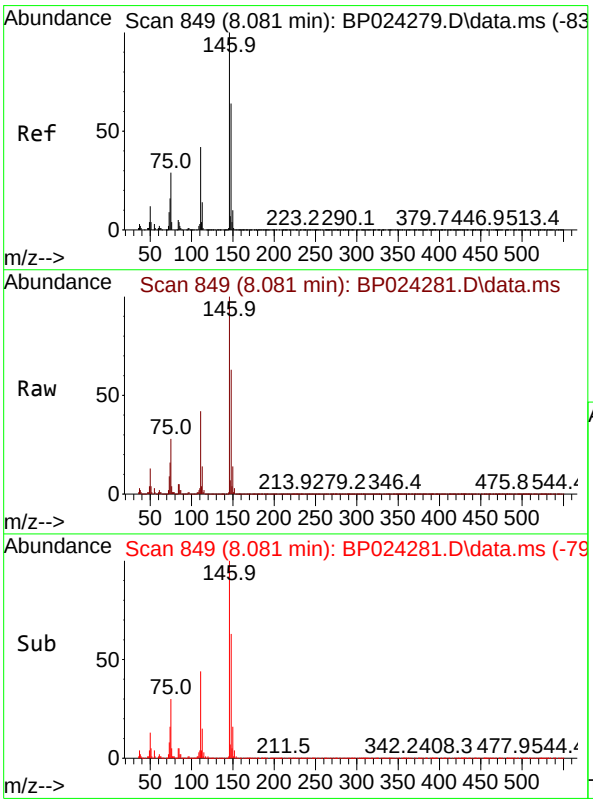
#13
1,4-Dichlorobenzene
Concen: 58.981 ng
RT: 7.763 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 1244205

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.1	76.7
111	41.2	32.6	48.8

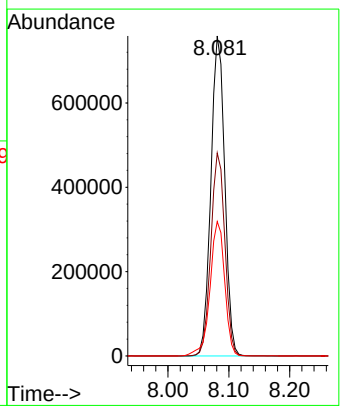


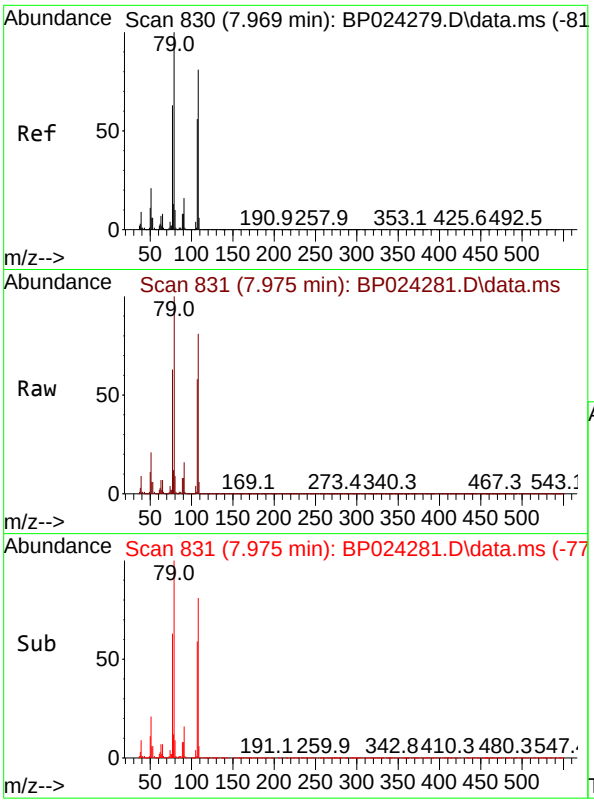


#14
1,2-Dichlorobenzene
Concen: 58.830 ng
RT: 8.081 min Scan# 849
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:146 Resp: 1199988

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.0	76.4
111	42.0	33.8	50.8



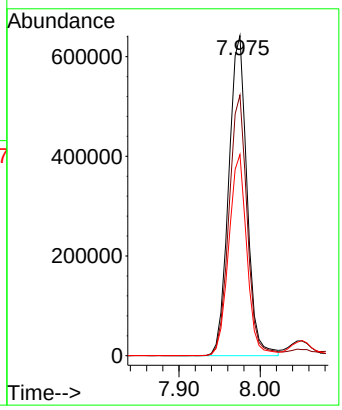


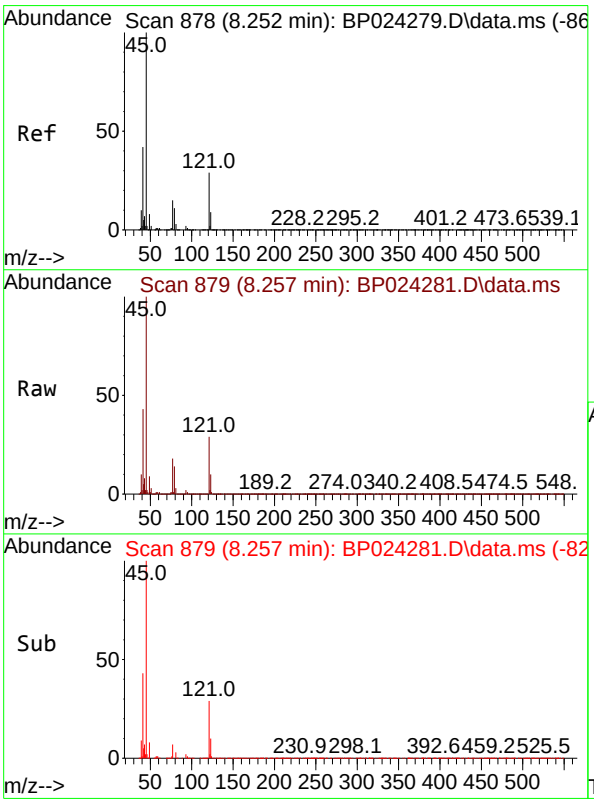
#15
Benzyl Alcohol
Concen: 66.533 ng
RT: 7.975 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 1002308

Ion	Ratio	Lower	Upper
79	100		
108	81.4	65.1	97.7
77	62.9	50.7	76.1

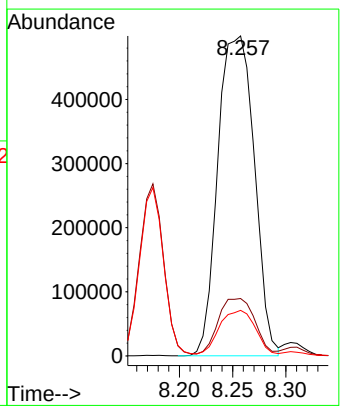


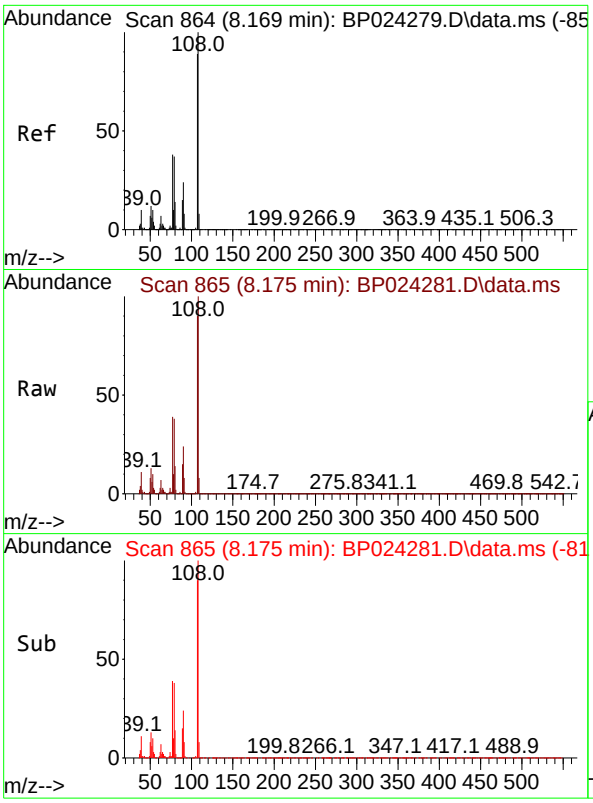


#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.259 ng
RT: 8.257 min Scan# 879
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion: 45 Resp: 1187992

Ion	Ratio	Lower	Upper
45	100		
77	17.9	0.0	37.7
79	14.3	0.0	33.5



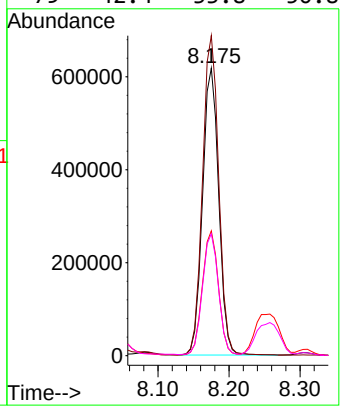


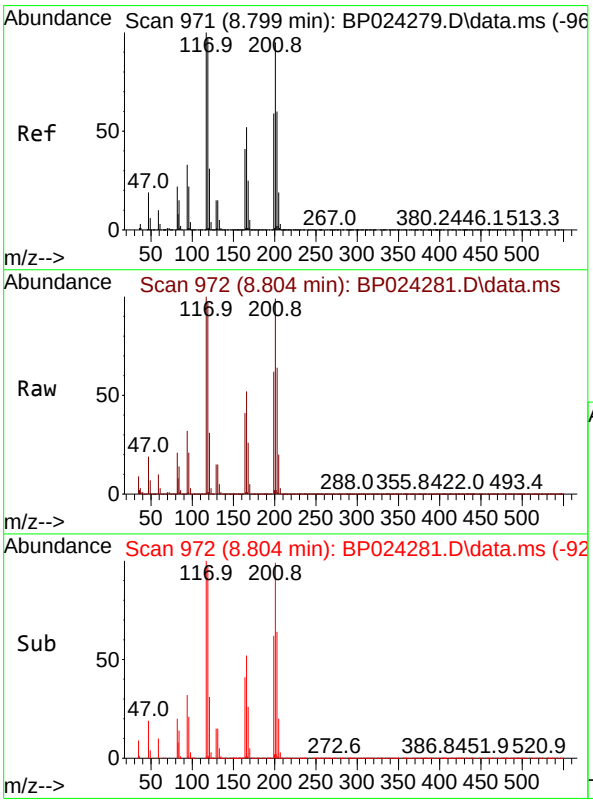
#17
2-Methylphenol
Concen: 64.342 ng
RT: 8.175 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 978531

Ion	Ratio	Lower	Upper
107	100		
108	111.3	89.8	134.6
77	43.4	34.2	51.4
79	42.4	33.8	50.8

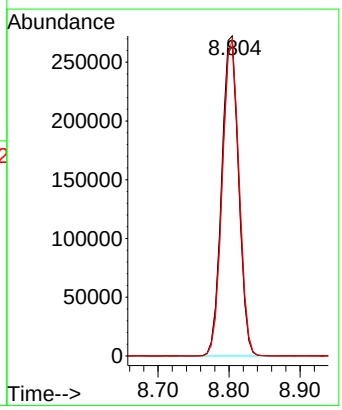


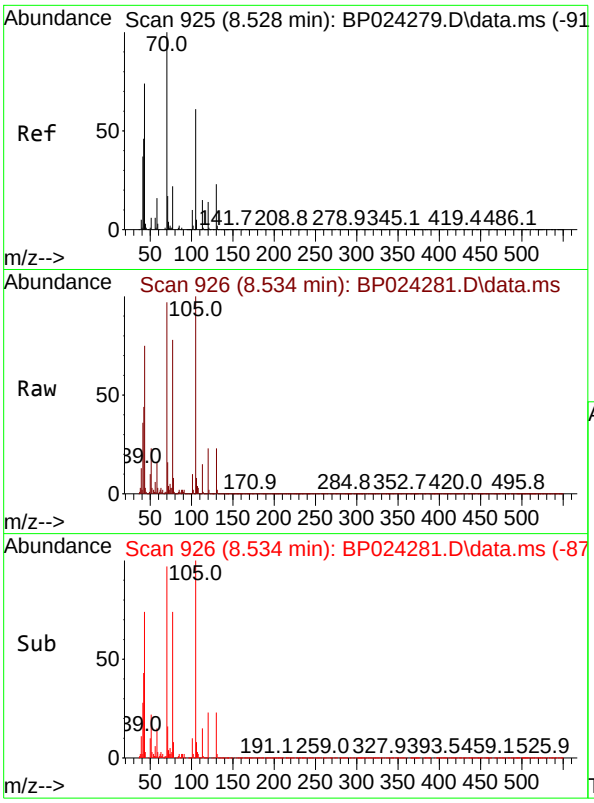


#18
Hexachloroethane
Concen: 59.545 ng
RT: 8.804 min Scan# 972
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:117 Resp: 453349

Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.8	116.6
201	99.1	75.9	113.9



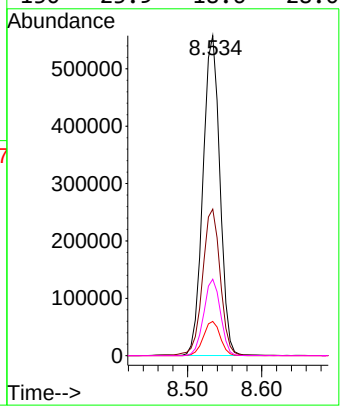


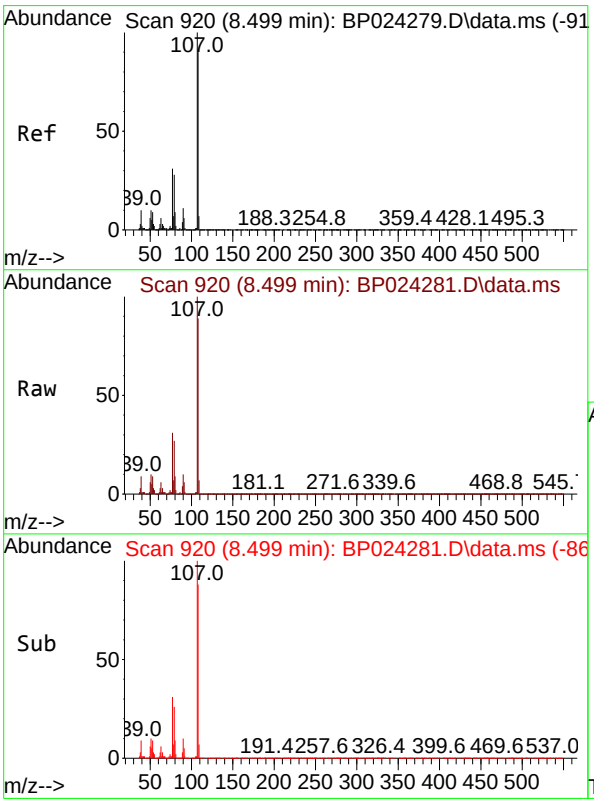
#19
n-Nitroso-di-n-propylamine
Concen: 60.486 ng
RT: 8.534 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 883042

Ion	Ratio	Lower	Upper
70	100		
42	45.8	37.3	55.9
101	10.7	8.2	12.4
130	23.9	18.6	28.0

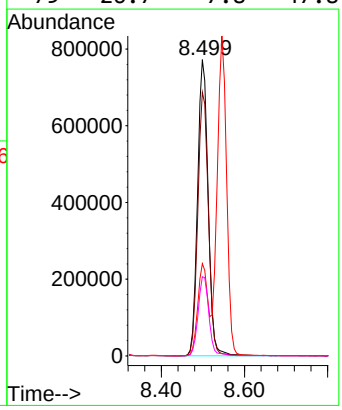


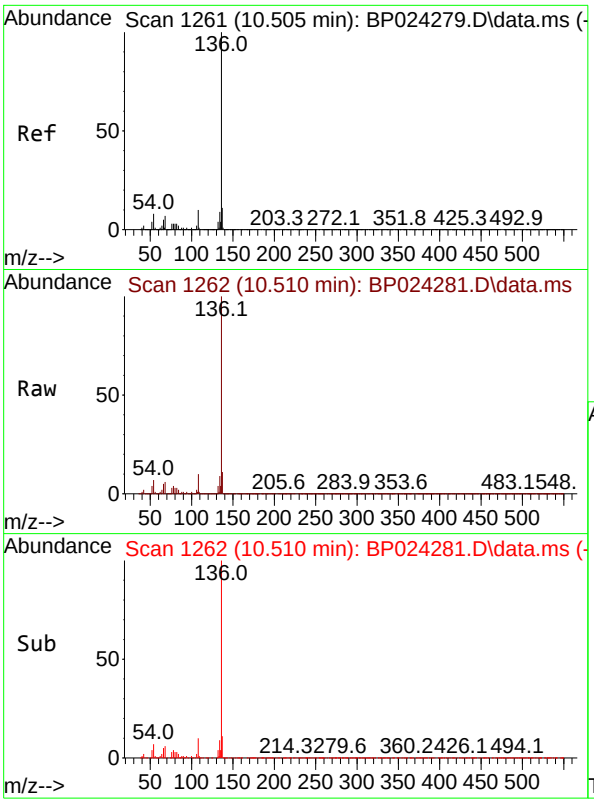


#20
3+4-Methylphenols
Concen: 64.895 ng
RT: 8.499 min Scan# 920
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:107 Resp: 1367005

Ion	Ratio	Lower	Upper
107	100		
108	89.0	69.8	109.8
77	31.1	11.5	51.5
79	26.7	7.8	47.8



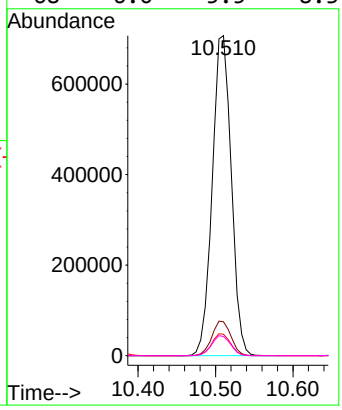


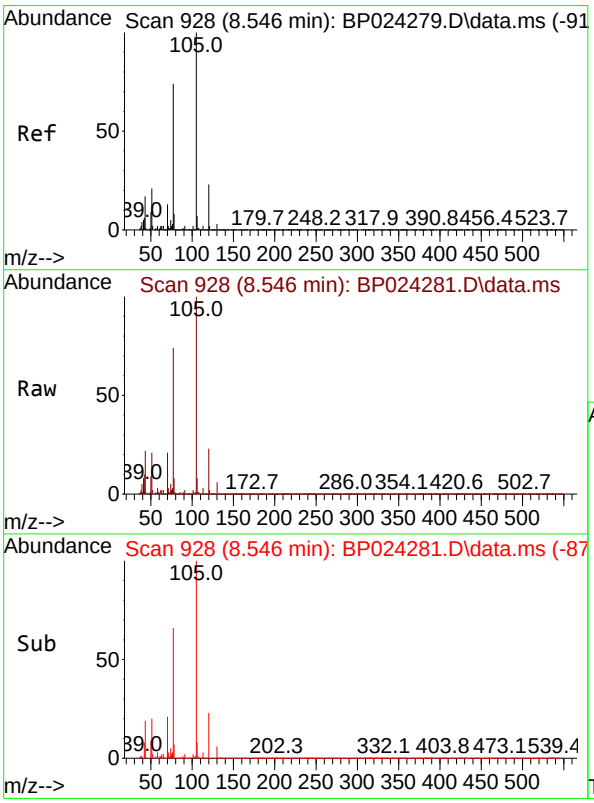
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.510 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 1206231

Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	6.7	6.0	9.0
68	6.0	5.5	8.3

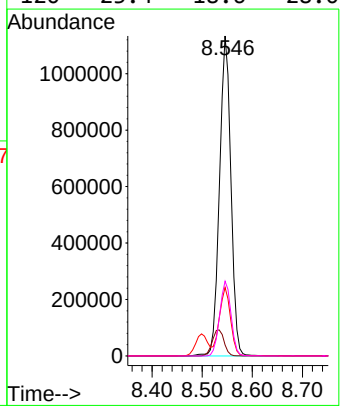


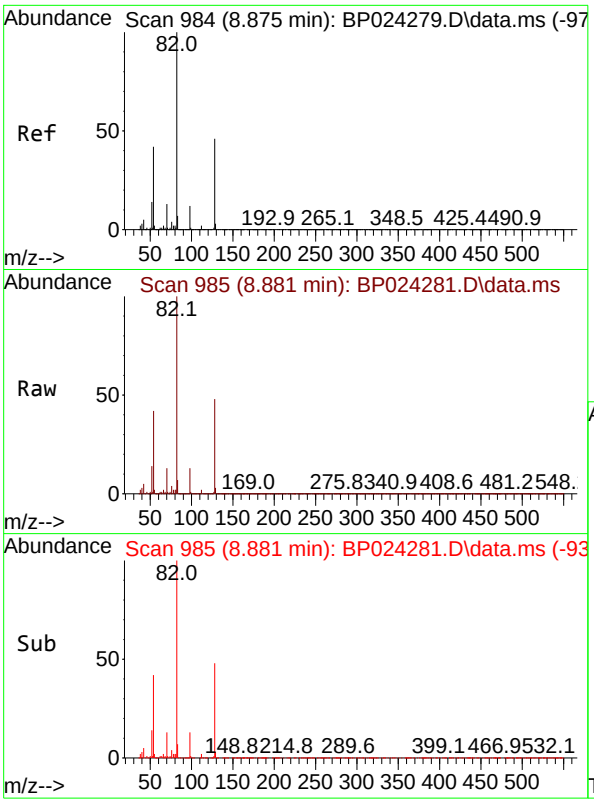


#22
Acetophenone
Concen: 59.797 ng
RT: 8.546 min Scan# 928
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:105 Resp: 1792666

Ion	Ratio	Lower	Upper
105	100		
71	3.4	1.7	2.5#
51	21.4	16.9	25.3
120	23.4	18.6	28.0



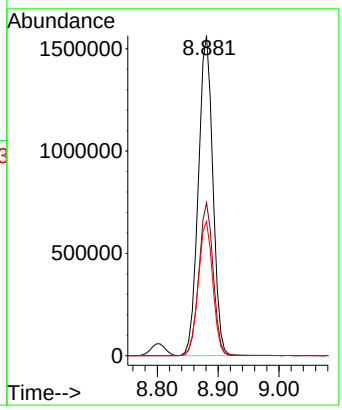


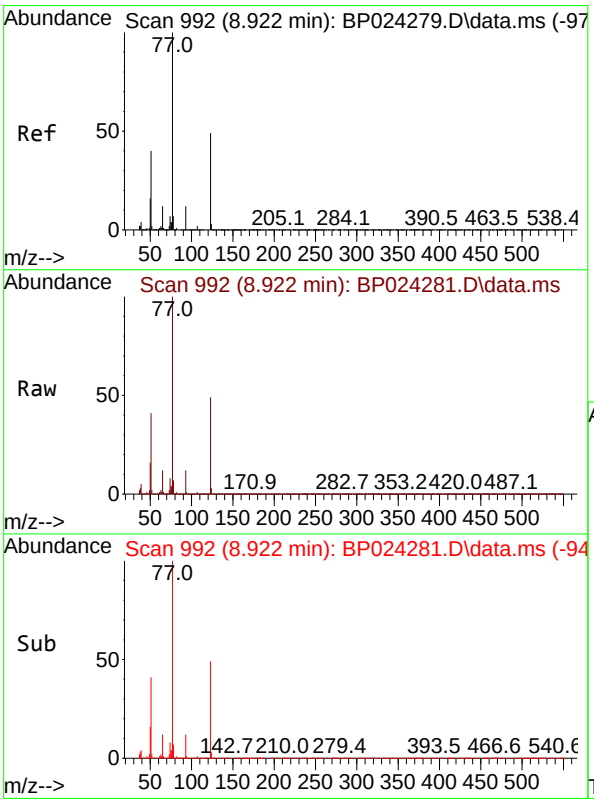
#23
Nitrobenzene-d5
Concen: 121.729 ng
RT: 8.881 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 2579126

Ion	Ratio	Lower	Upper
82	100		
128	47.8	36.5	54.7
54	41.9	33.4	50.2

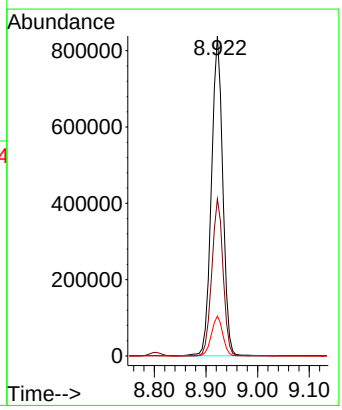


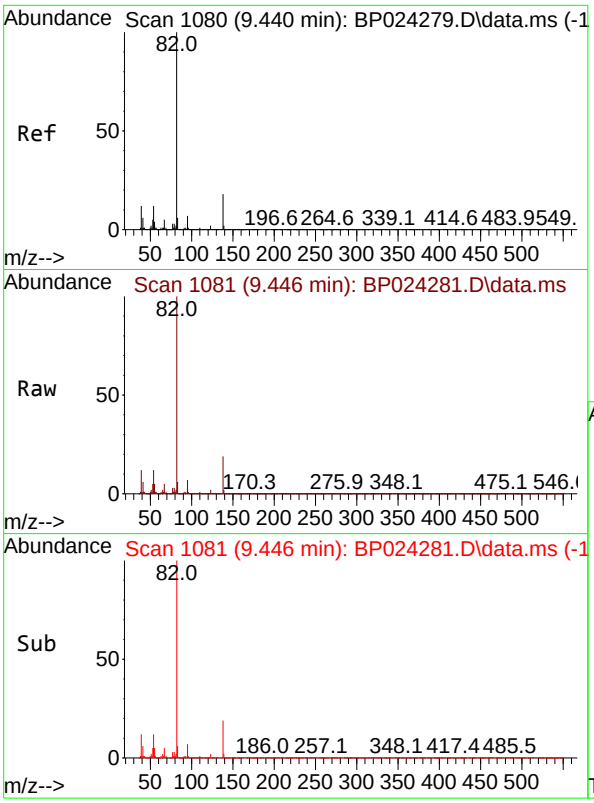


#24
Nitrobenzene
Concen: 60.775 ng
RT: 8.922 min Scan# 992
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion: 77 Resp: 1276229

Ion	Ratio	Lower	Upper
77	100		
123	49.1	39.2	58.8
65	12.4	9.8	14.6



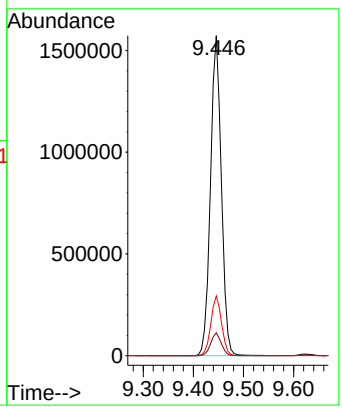


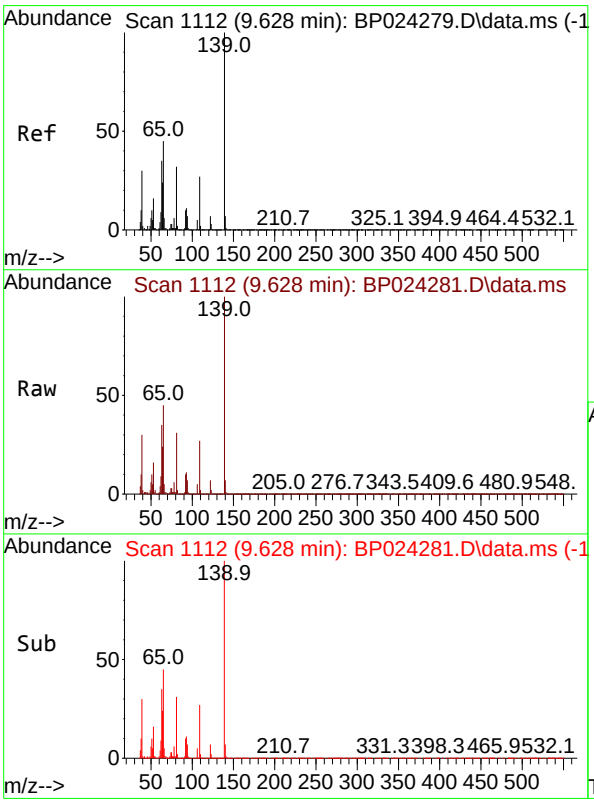
#25
Isophorone
Concen: 61.842 ng
RT: 9.446 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 2365423

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.4	8.2
138	18.7	14.4	21.6

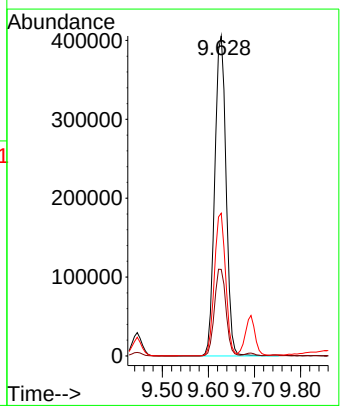


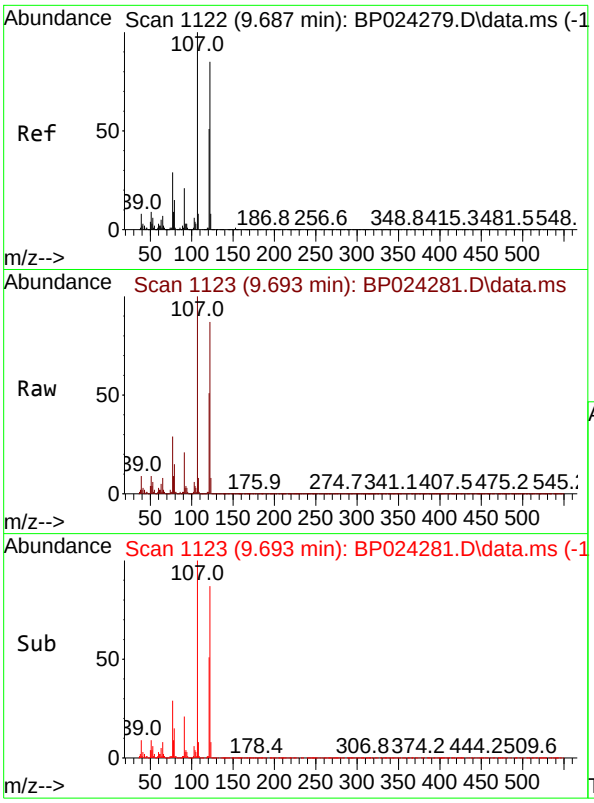


#26
2-Nitrophenol
Concen: 68.504 ng
RT: 9.628 min Scan# 1112
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:139 Resp: 690735

Ion	Ratio	Lower	Upper
139	100		
109	27.1	21.8	32.6
65	44.6	36.2	54.2



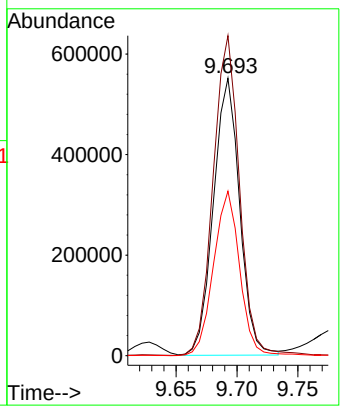


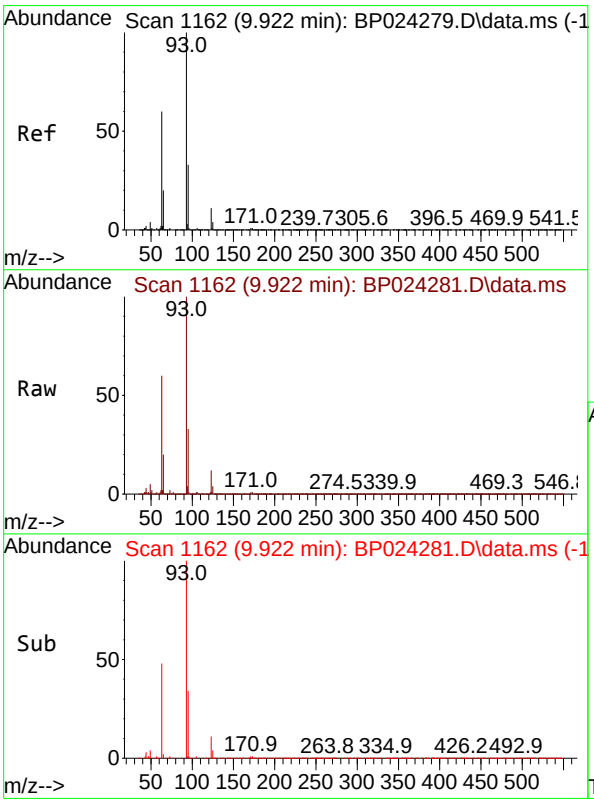
#27
2,4-Dimethylphenol
Concen: 64.660 ng
RT: 9.693 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 826335

Ion	Ratio	Lower	Upper
122	100		
107	115.3	93.7	140.5
121	59.3	48.2	72.2

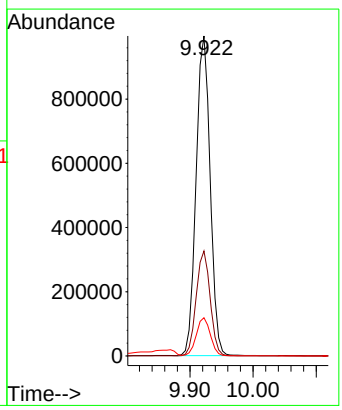


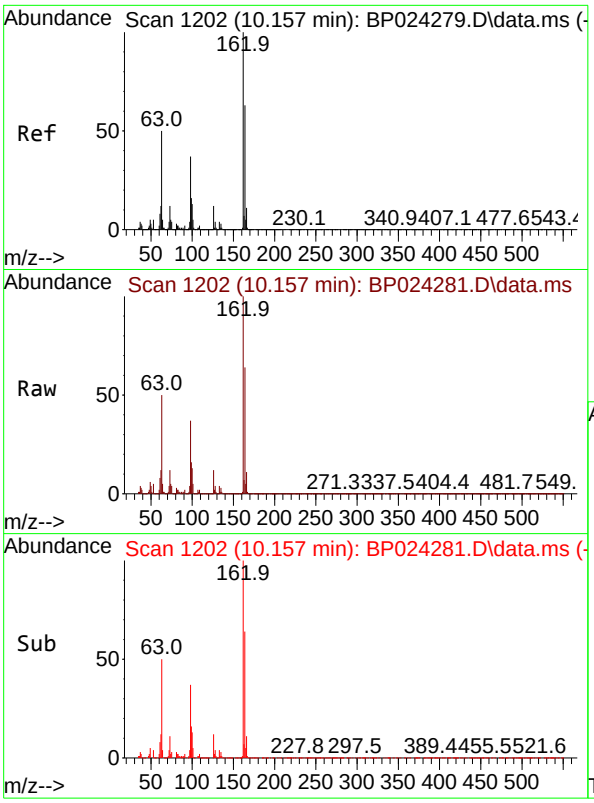


#28
bis(2-Chloroethoxy)methane
Concen: 59.124 ng
RT: 9.922 min Scan# 1162
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion: 93 Resp: 1539129

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.0	39.0
123	11.9	9.1	13.7



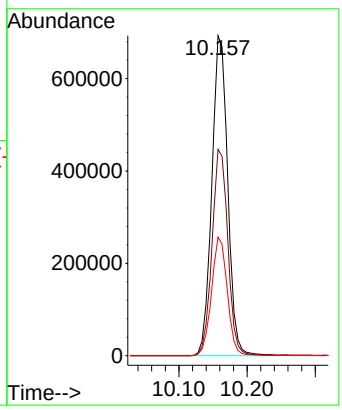


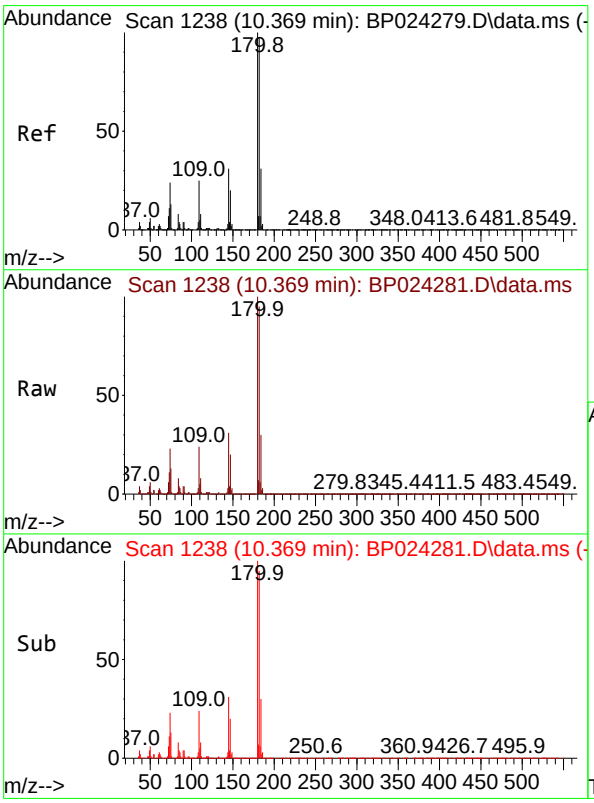
#29
2,4-Dichlorophenol
Concen: 64.543 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 1124170

Ion	Ratio	Lower	Upper
162	100		
164	64.5	43.3	83.3
98	37.0	16.6	56.6

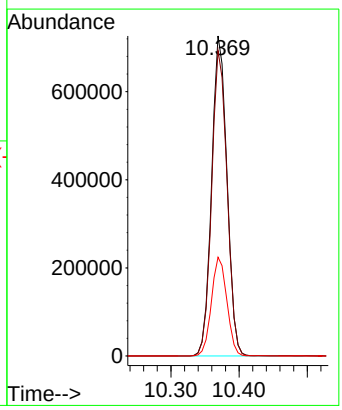


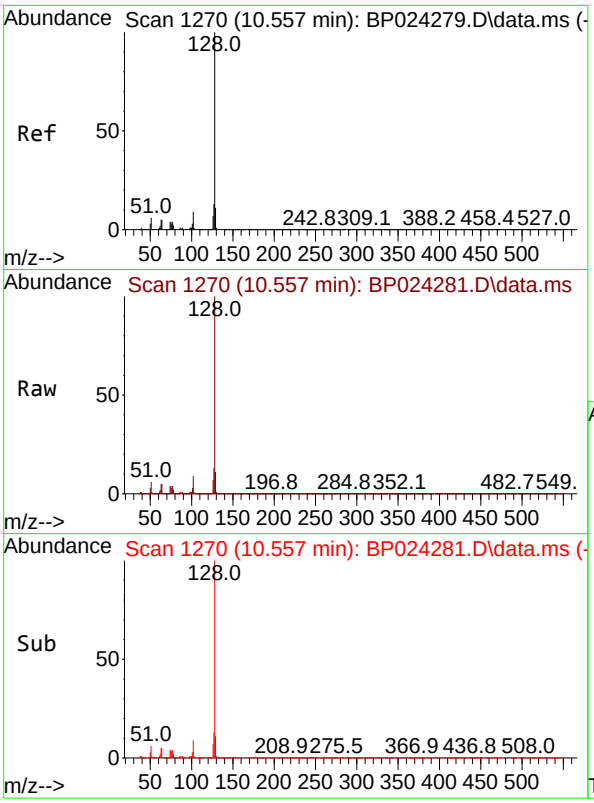


#30
1,2,4-Trichlorobenzene
Concen: 60.440 ng
RT: 10.369 min Scan# 1238
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:180 Resp: 1138896

Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.3	115.9
145	30.8	25.1	37.7



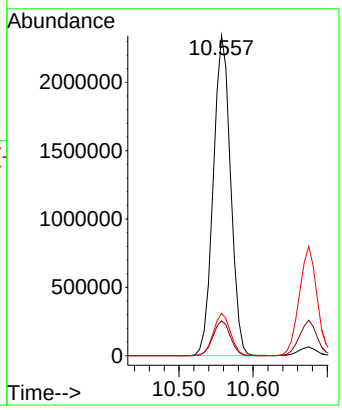


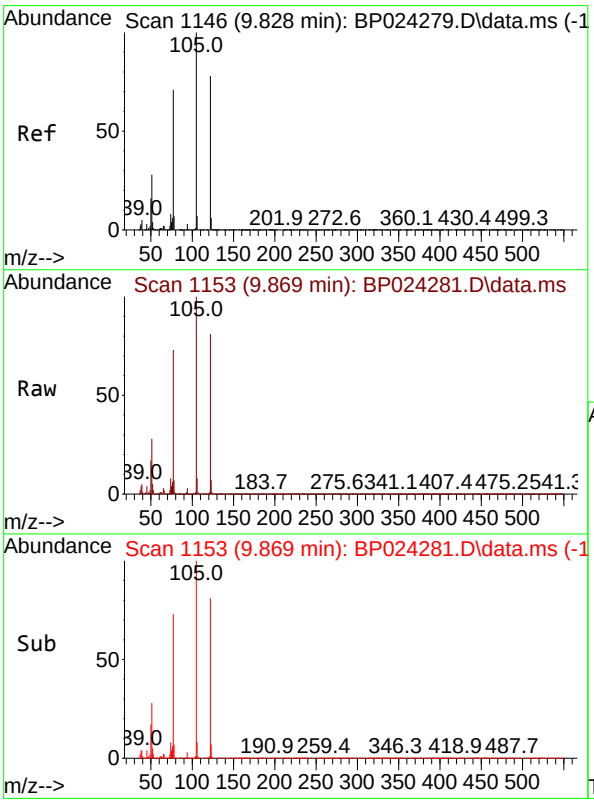
#31
Naphthalene
Concen: 59.373 ng
RT: 10.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 3790924

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	13.2	10.3	15.5

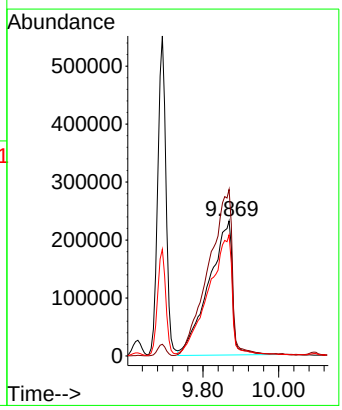


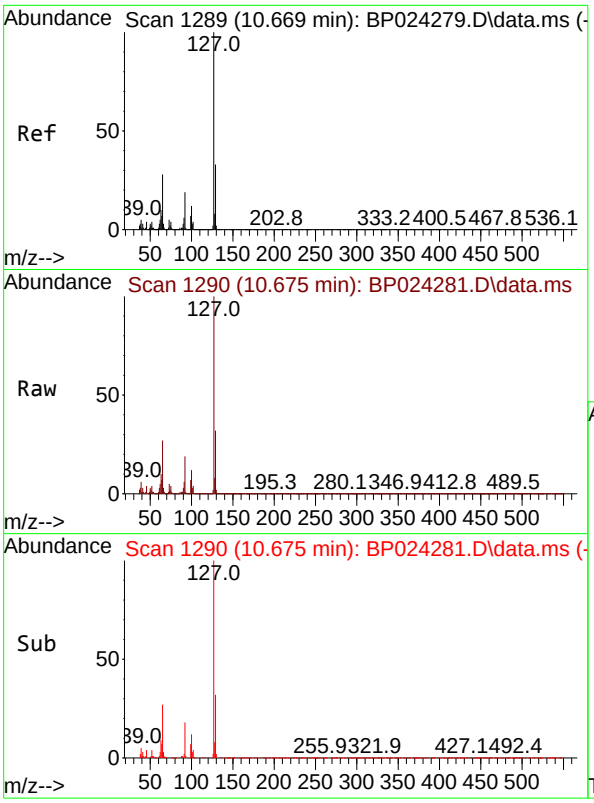


#32
Benzoic acid
Concen: 72.353 ng
RT: 9.869 min Scan# 1153
Delta R.T. 0.041 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:122 Resp: 999194

Ion	Ratio	Lower	Upper
122	100		
105	123.4	104.8	144.8
77	89.7	69.2	109.2



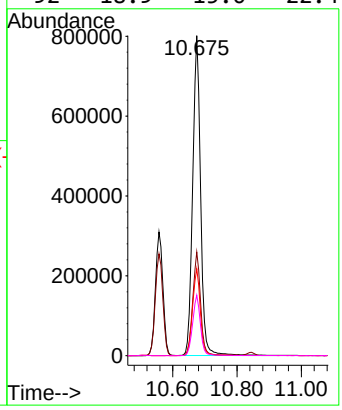


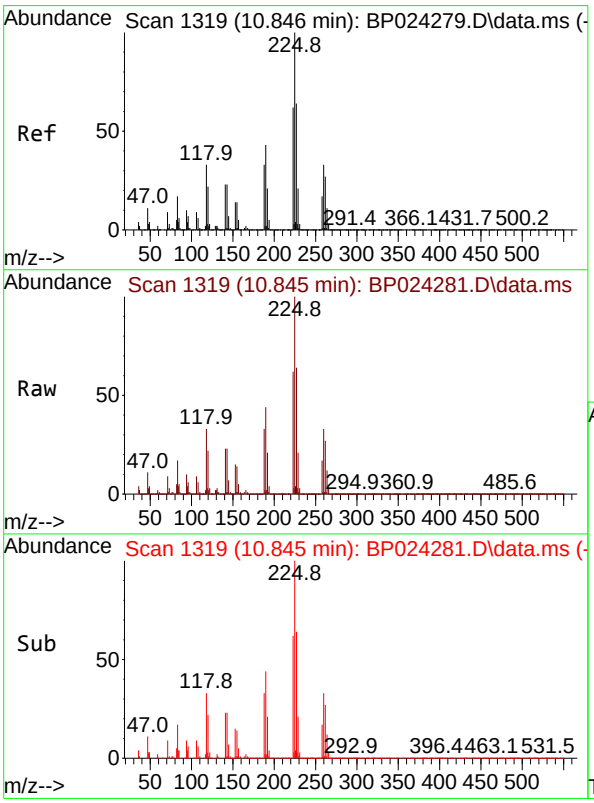
#33
4-Chloroaniline
Concen: 61.527 ng
RT: 10.675 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 1372601

Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.1	39.1
65	27.2	22.1	33.1
92	18.9	15.0	22.4

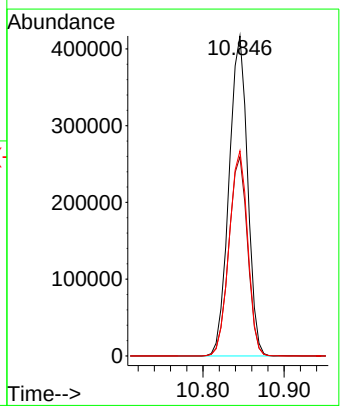


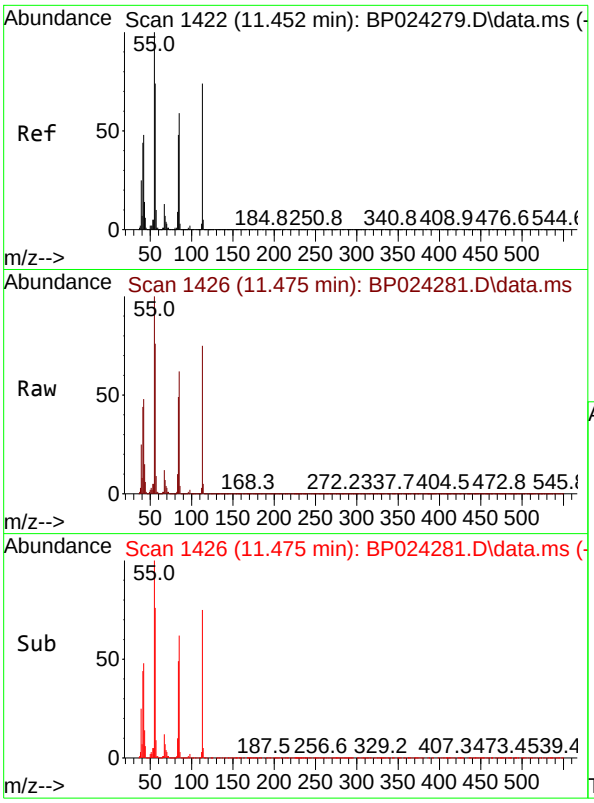


#34
Hexachlorobutadiene
Concen: 59.719 ng
RT: 10.845 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:225 Resp: 660129

Ion	Ratio	Lower	Upper
225	100		
223	62.2	49.5	74.3
227	64.1	50.9	76.3



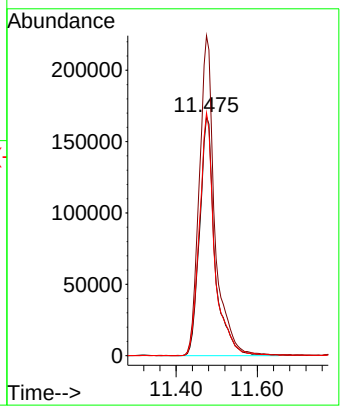


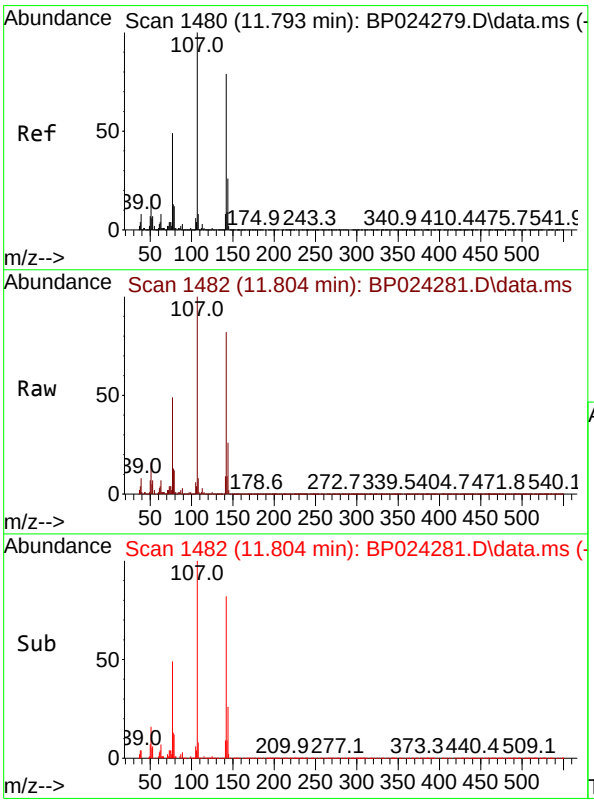
#35
Caprolactam
Concen: 68.445 ng
RT: 11.475 min Scan# 14
Delta R.T. 0.023 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 437691

Ion	Ratio	Lower	Upper
113	100		
55	134.0	115.9	155.9
56	101.6	81.1	121.1

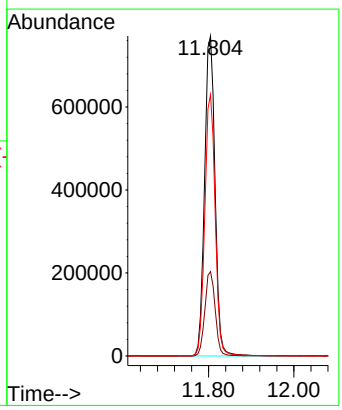


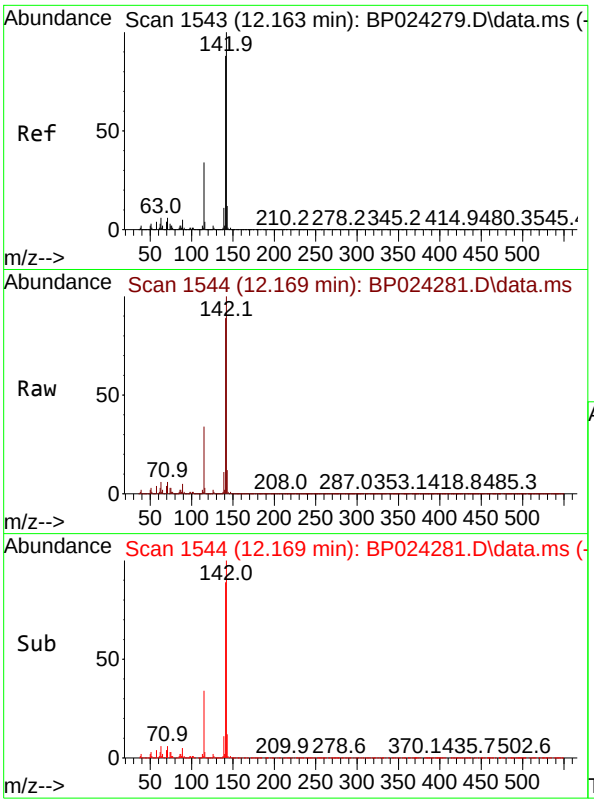


#36
4-Chloro-3-methylphenol
Concen: 64.762 ng
RT: 11.804 min Scan# 1482
Delta R.T. 0.012 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:107 Resp: 1314421

Ion	Ratio	Lower	Upper
107	100		
144	26.3	20.5	30.7
142	81.7	63.4	95.2



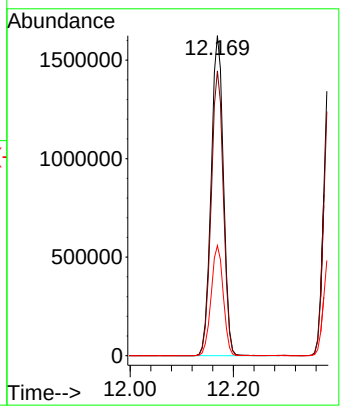


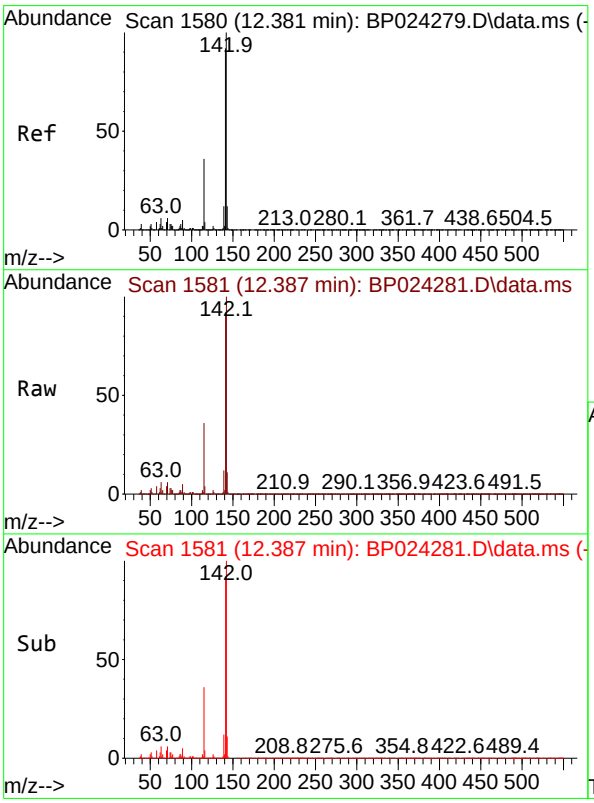
#37
2-Methylnaphthalene
Concen: 60.487 ng
RT: 12.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 2676555

Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.3	105.5
115	34.4	26.9	40.3

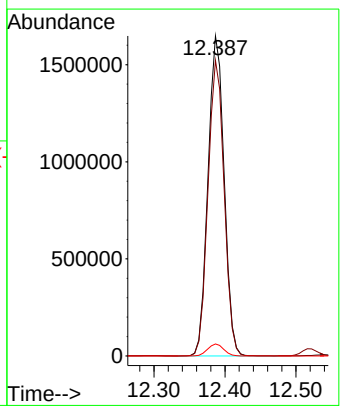


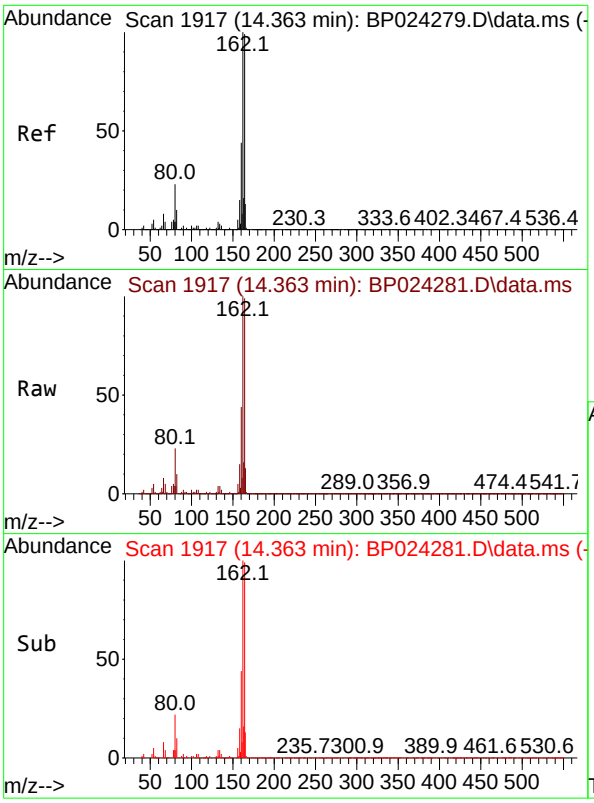


#38
1-Methylnaphthalene
Concen: 59.960 ng
RT: 12.387 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:142 Resp: 2599119

Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.6	110.4
116	3.7	3.0	4.6



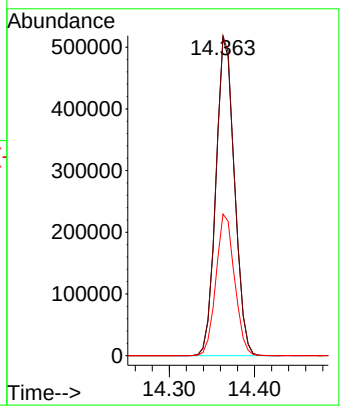


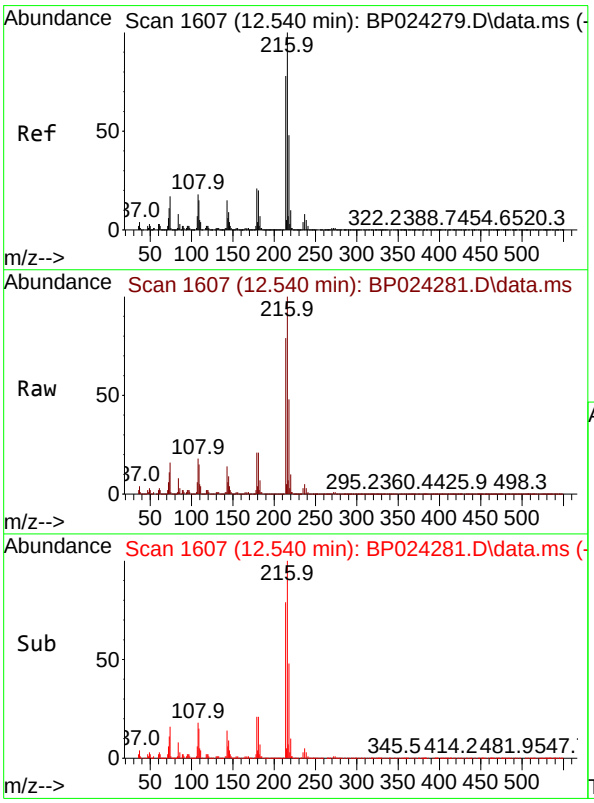
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.363 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 777459

Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.6	120.8
160	44.6	35.3	52.9

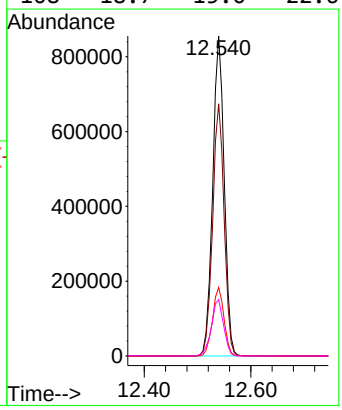


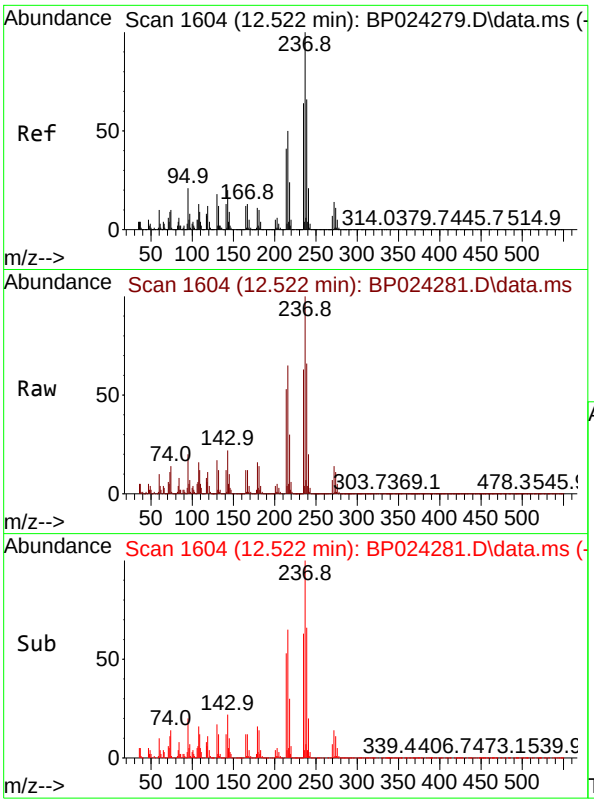


#40
1,2,4,5-Tetrachlorobenzene
Concen: 59.981 ng
RT: 12.540 min Scan# 1607
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:216 Resp: 1281552

Ion	Ratio	Lower	Upper
216	100		
214	78.7	62.6	93.8
179	21.4	17.2	25.8
108	18.7	15.0	22.6



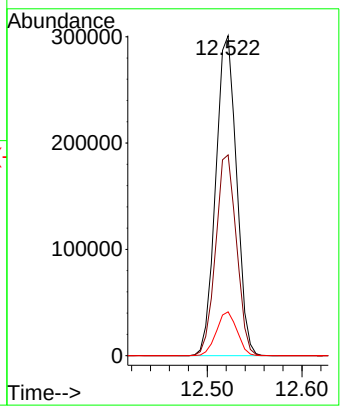


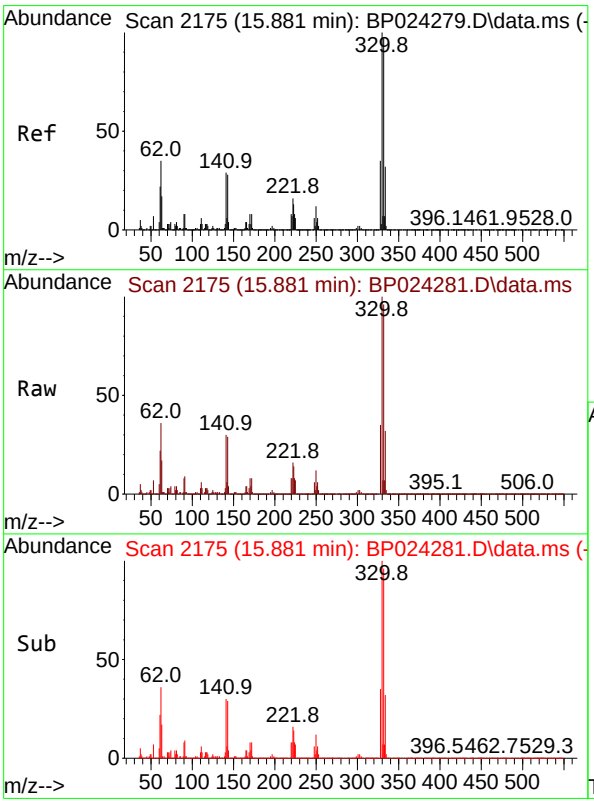
#41
Hexachlorocyclopentadiene
Concen: 61.257 ng
RT: 12.522 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 459486

Ion	Ratio	Lower	Upper
237	100		
235	62.7	43.9	83.9
272	13.7	0.0	33.6

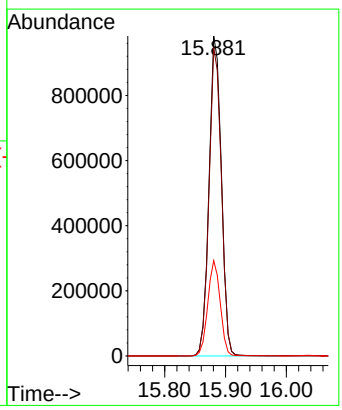


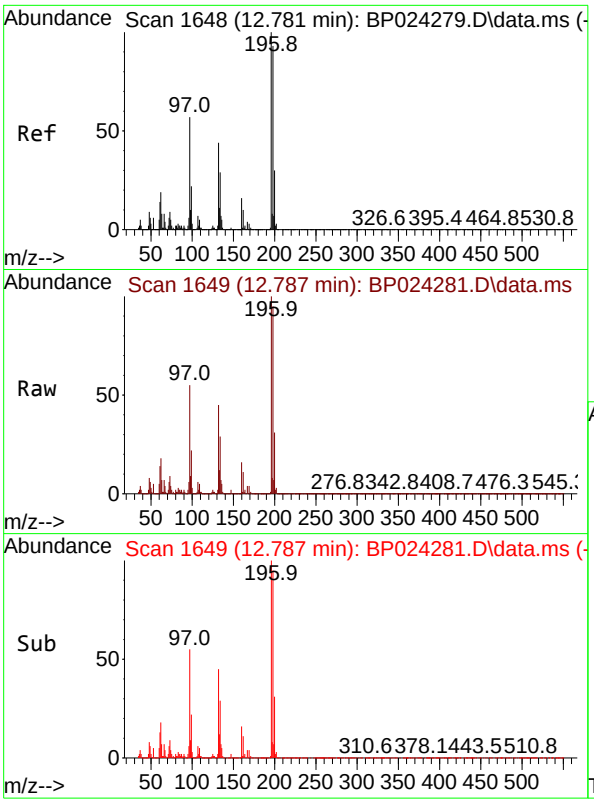


#42
2,4,6-Tribromophenol
Concen: 129.818 ng
RT: 15.881 min Scan# 2175
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:330 Resp: 1382037

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.1	115.7
141	30.0	24.7	37.1



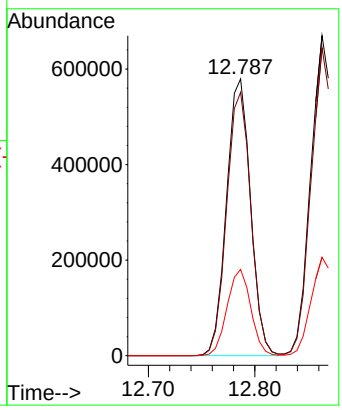


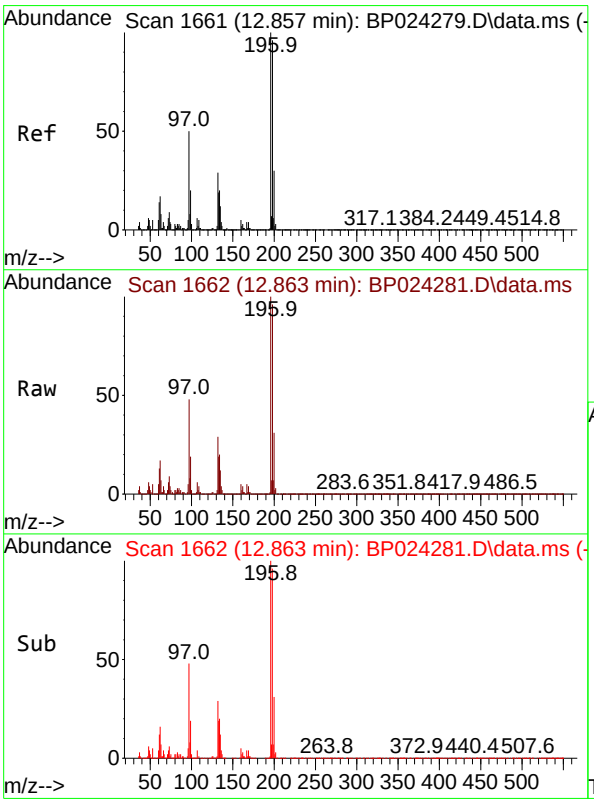
#43
2,4,6-Trichlorophenol
Concen: 64.732 ng
RT: 12.787 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 909999

Ion	Ratio	Lower	Upper
196	100		
198	95.1	74.3	111.5
200	31.2	24.0	36.0

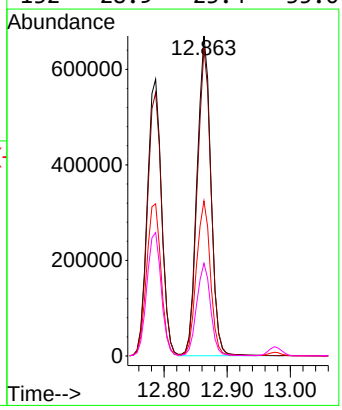


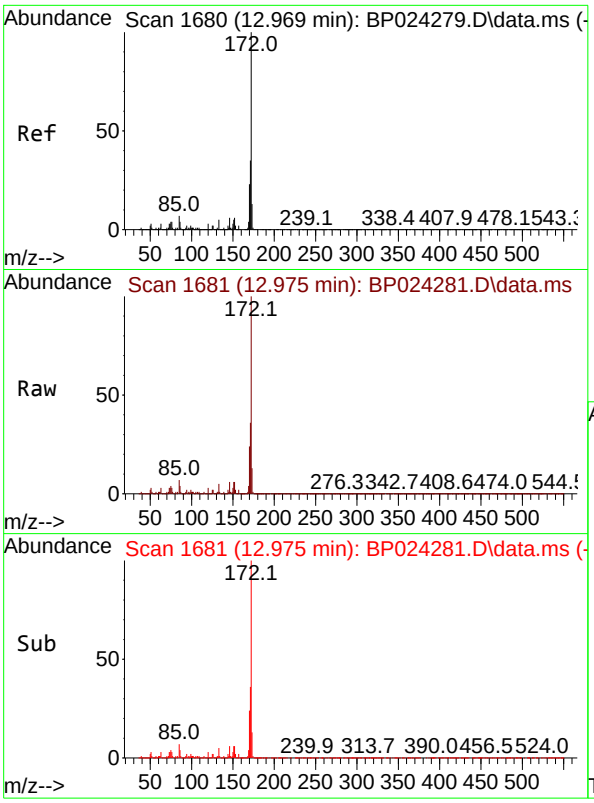


#44
2,4,5-Trichlorophenol
Concen: 65.306 ng
RT: 12.863 min Scan# 1662
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:196 Resp: 1017414

Ion	Ratio	Lower	Upper
196	100		
198	96.2	77.3	115.9
97	48.5	40.4	60.6
132	28.9	23.4	35.0



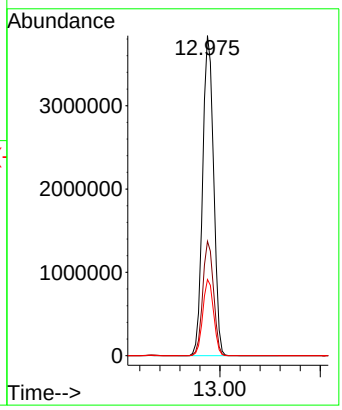


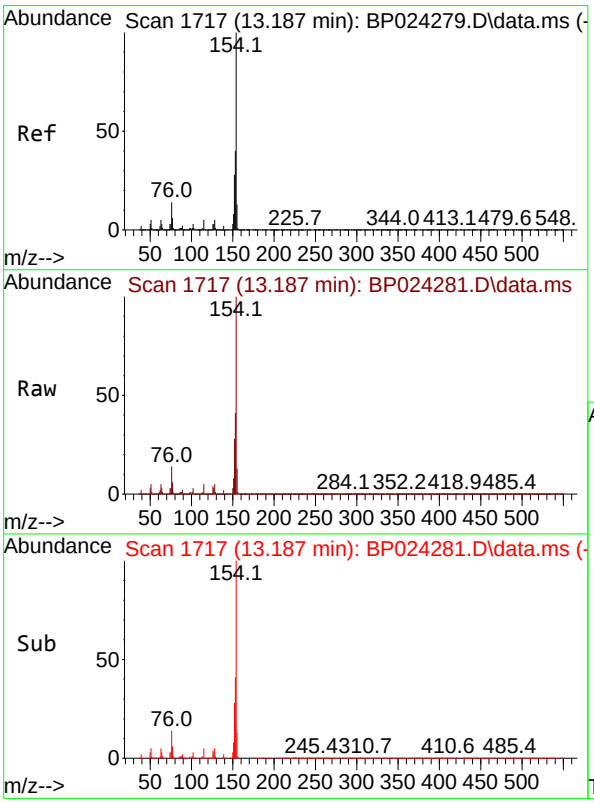
#45
2-Fluorobiphenyl
Concen: 113.964 ng
RT: 12.975 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 5835791

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.2	42.2
170	23.8	18.6	27.8

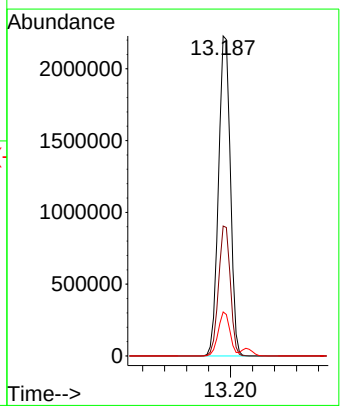


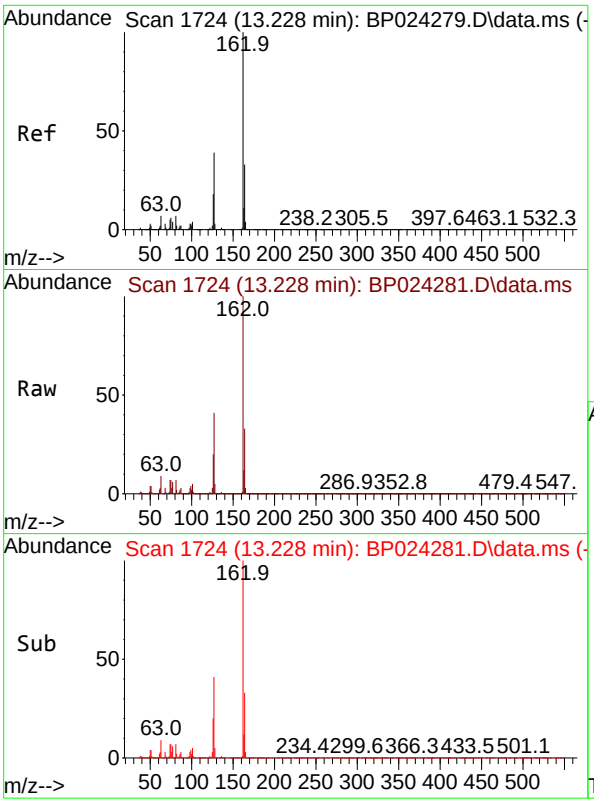


#46
1,1'-Biphenyl
Concen: 58.001 ng
RT: 13.187 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:154 Resp: 3330176

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.3	60.3
76	13.8	0.0	33.5



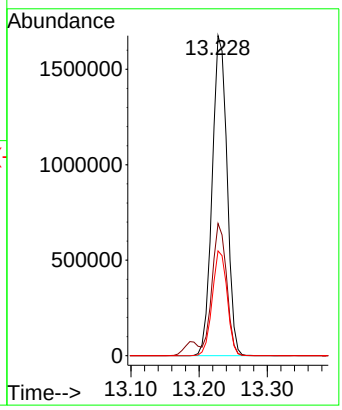


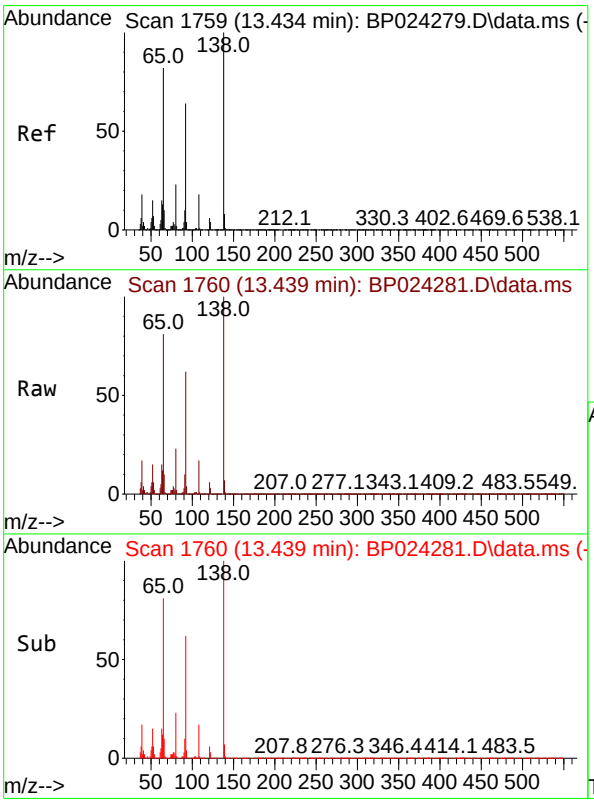
#47
2-Chloronaphthalene
Concen: 59.336 ng
RT: 13.228 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 2542212

Ion	Ratio	Lower	Upper
162	100		
127	41.3	31.9	47.9
164	32.8	26.2	39.4

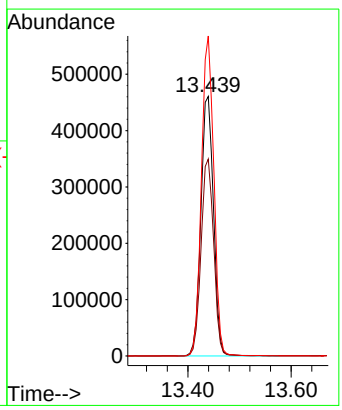


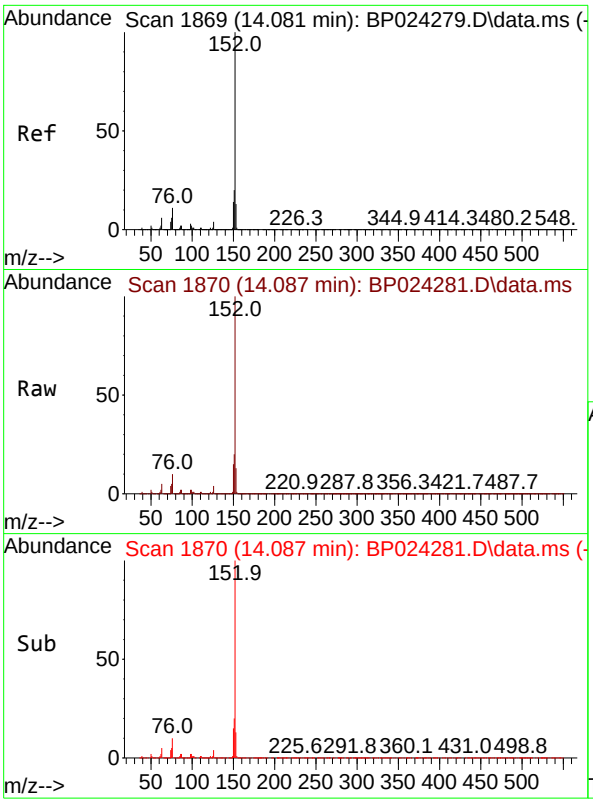


#48
2-Nitroaniline
Concen: 66.042 ng
RT: 13.439 min Scan# 1760
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion: 65 Resp: 781584

Ion	Ratio	Lower	Upper
65	100		
92	75.9	62.3	93.5
138	123.3	97.2	145.8



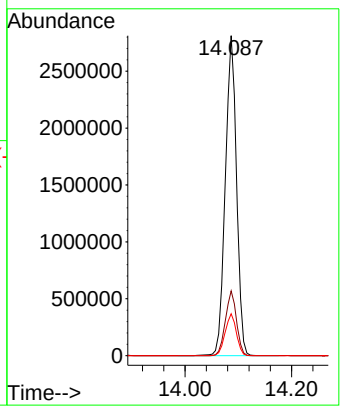


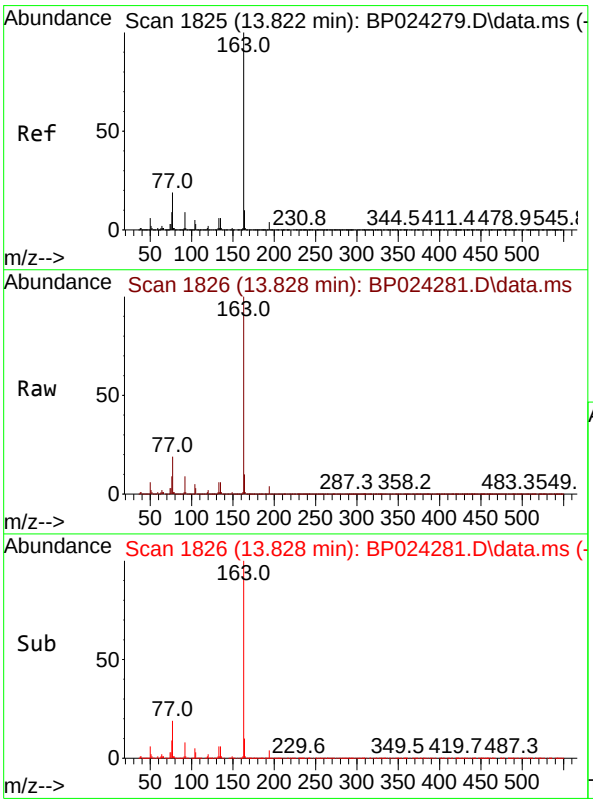
#49
Acenaphthylene
Concen: 61.143 ng
RT: 14.087 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 4111553

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.9	23.9
153	13.1	10.6	15.8

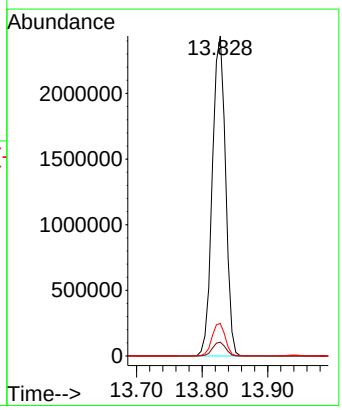


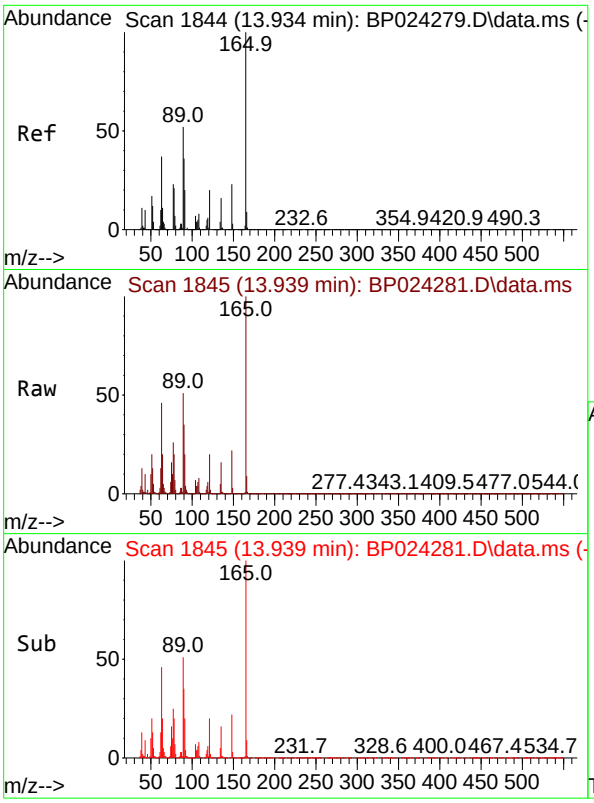


#50
Dimethylphthalate
Concen: 60.022 ng
RT: 13.828 min Scan# 1826
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:163 Resp: 3404463

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.1	8.0	12.0



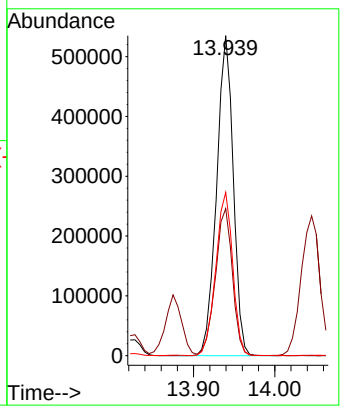


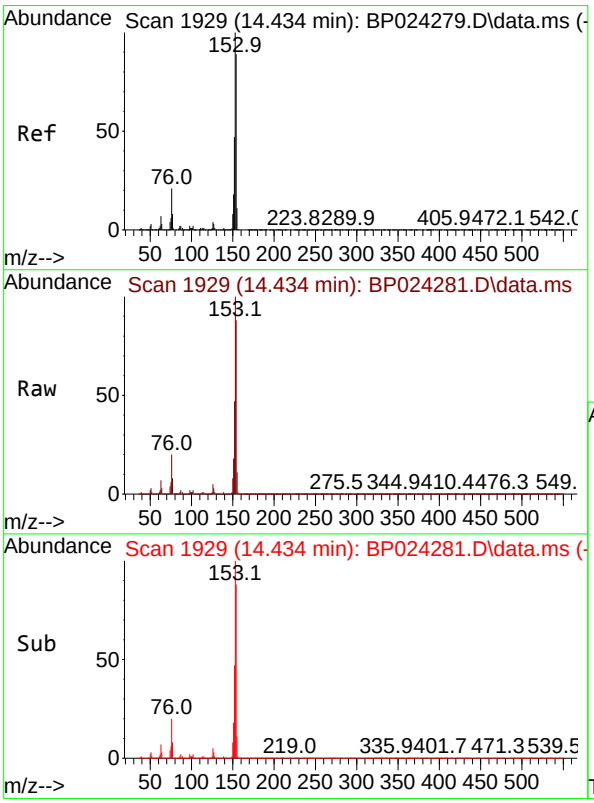
#51
2,6-Dinitrotoluene
Concen: 63.998 ng
RT: 13.939 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 764810

Ion	Ratio	Lower	Upper
165	100		
63	45.9	38.0	57.0
89	51.1	41.7	62.5

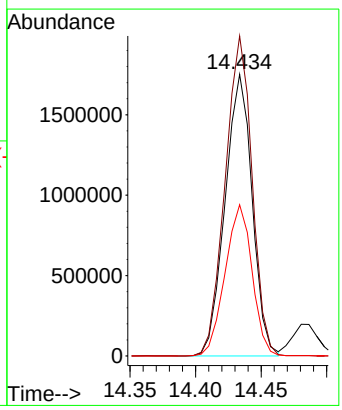


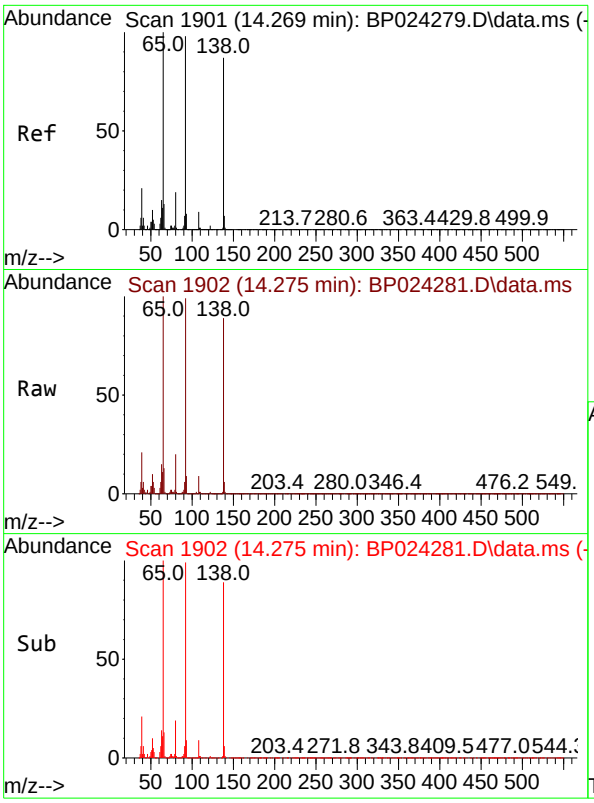


#52
Acenaphthene
Concen: 58.858 ng
RT: 14.434 min Scan# 1929
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:154 Resp: 2516981

Ion	Ratio	Lower	Upper
154	100		
153	113.6	89.8	134.6
152	53.7	42.6	63.8



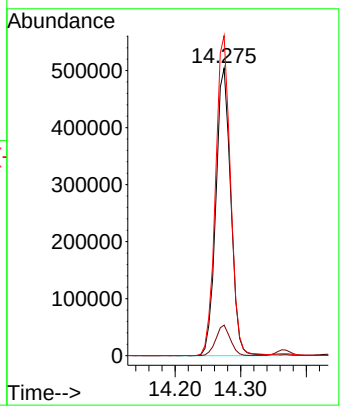


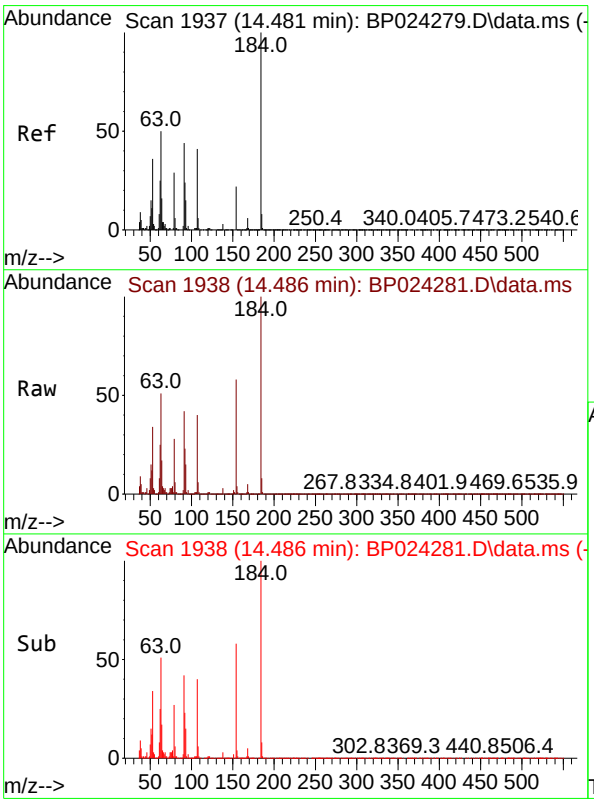
#53
3-Nitroaniline
Concen: 64.022 ng
RT: 14.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 793796

Ion	Ratio	Lower	Upper
138	100		
108	10.7	8.3	12.5
92	111.3	89.8	134.8

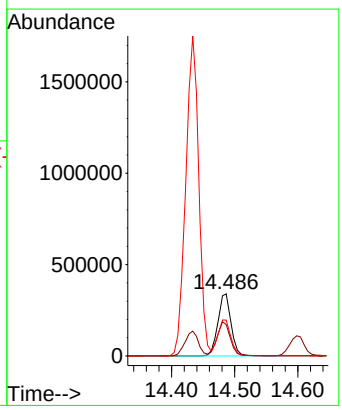


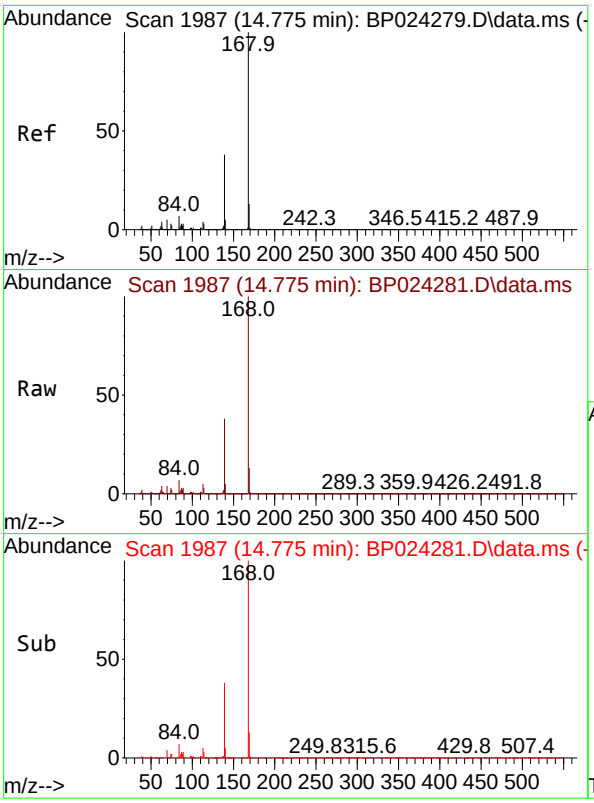


#54
2,4-Dinitrophenol
Concen: 76.655 ng
RT: 14.486 min Scan# 1938
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:184 Resp: 490497

Ion	Ratio	Lower	Upper
184	100		
63	50.8	42.6	64.0
154	57.7	47.2	70.8



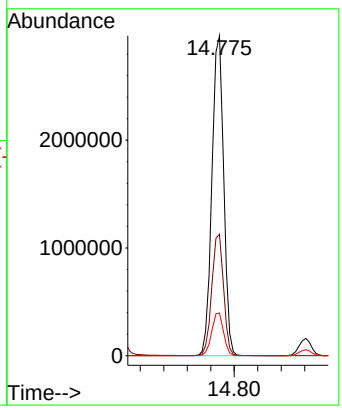


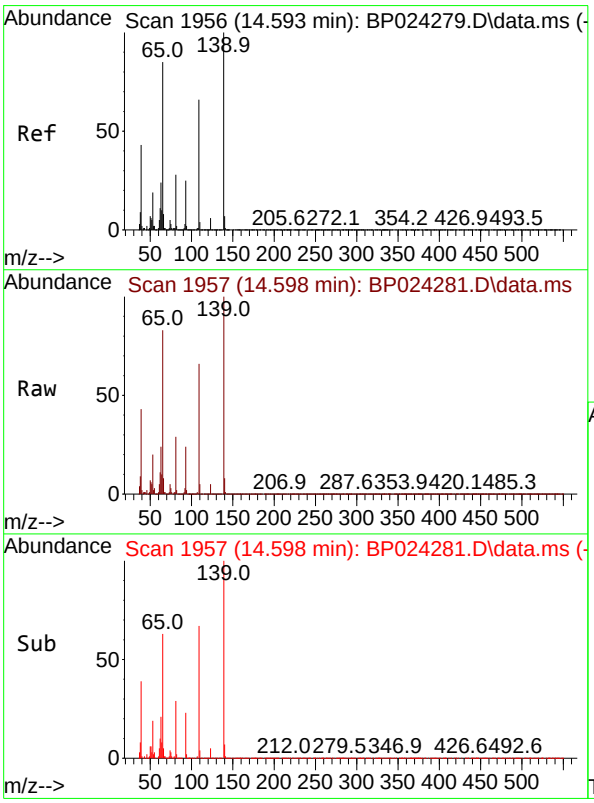
#55
Dibenzofuran
Concen: 58.810 ng
RT: 14.775 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 4124640

Ion	Ratio	Lower	Upper
168	100		
139	37.9	30.3	45.5
169	13.3	10.6	16.0

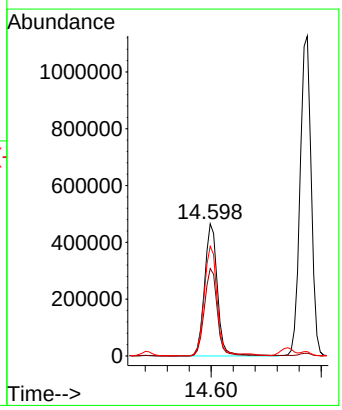


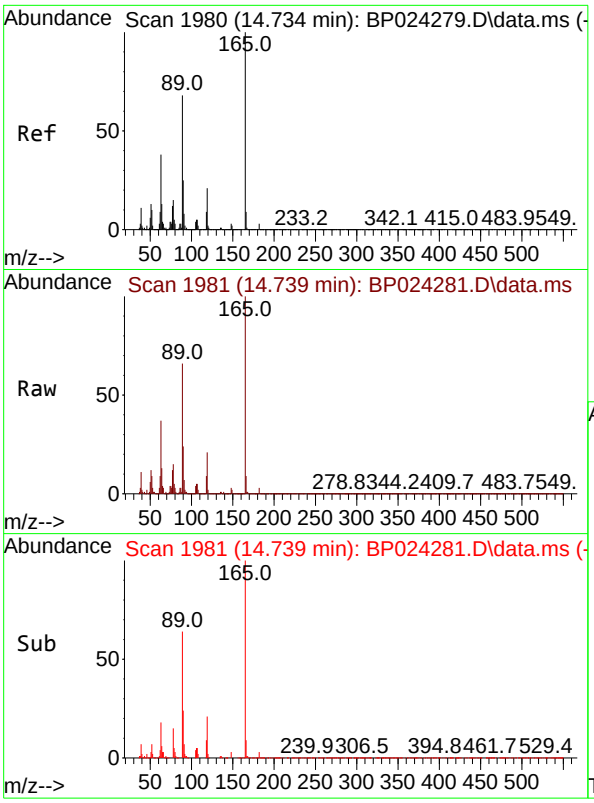


#56
4-Nitrophenol
Concen: 70.748 ng
RT: 14.598 min Scan# 1957
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:139 Resp: 754038

Ion	Ratio	Lower	Upper
139	100		
109	66.1	46.1	86.1
65	82.9	65.0	105.0



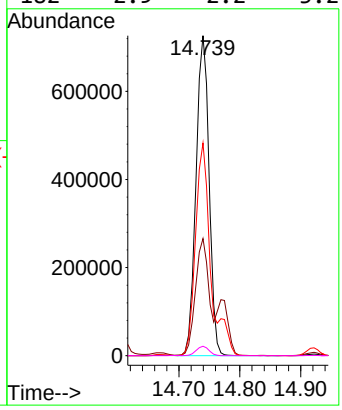


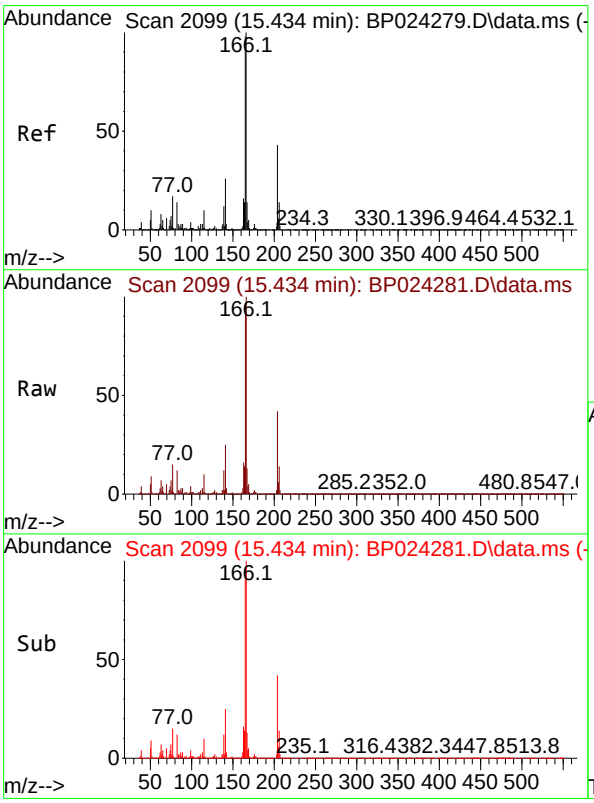
#57
2,4-Dinitrotoluene
Concen: 66.836 ng
RT: 14.739 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 1079633

Ion	Ratio	Lower	Upper
165	100		
63	36.6	30.4	45.6
89	66.4	54.6	82.0
182	2.9	2.2	3.2

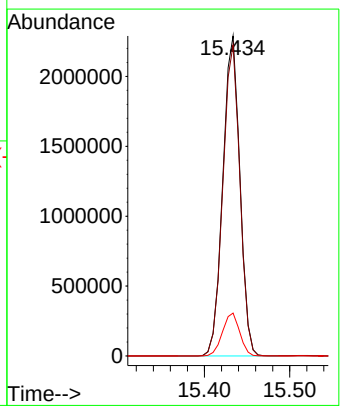


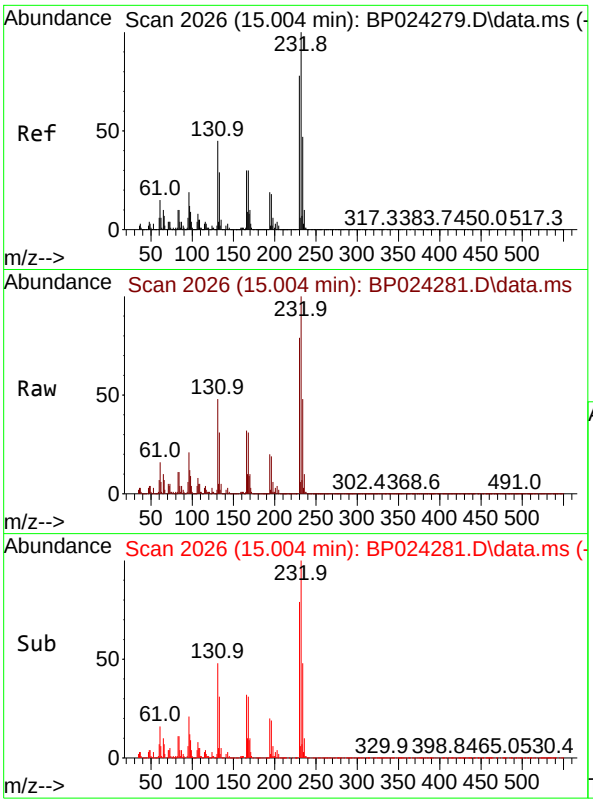


#58
Fluorene
Concen: 58.817 ng
RT: 15.434 min Scan# 2099
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:166 Resp: 3184960

Ion	Ratio	Lower	Upper
166	100		
165	97.2	78.1	117.1
167	13.4	10.9	16.3



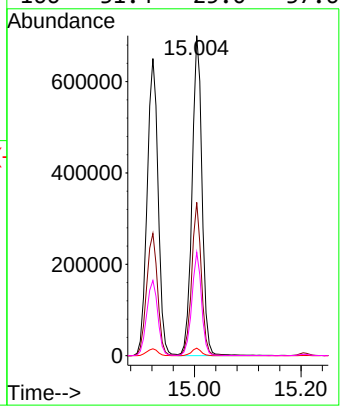


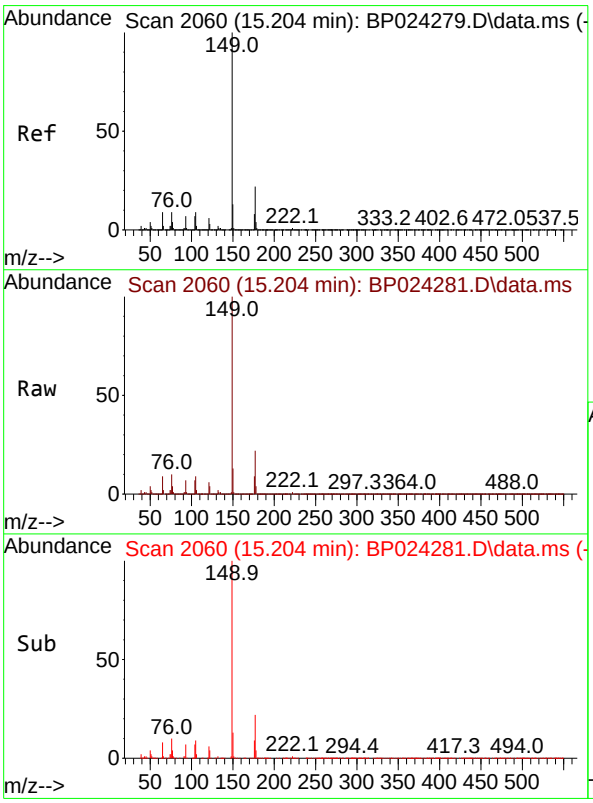
#59
2,3,4,6-Tetrachlorophenol
Concen: 63.097 ng
RT: 15.004 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 909497

Ion	Ratio	Lower	Upper
232	100		
131	46.4	36.8	55.2
130	2.3	1.9	2.9
166	31.4	25.0	37.6

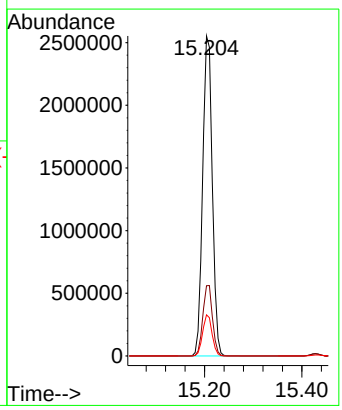


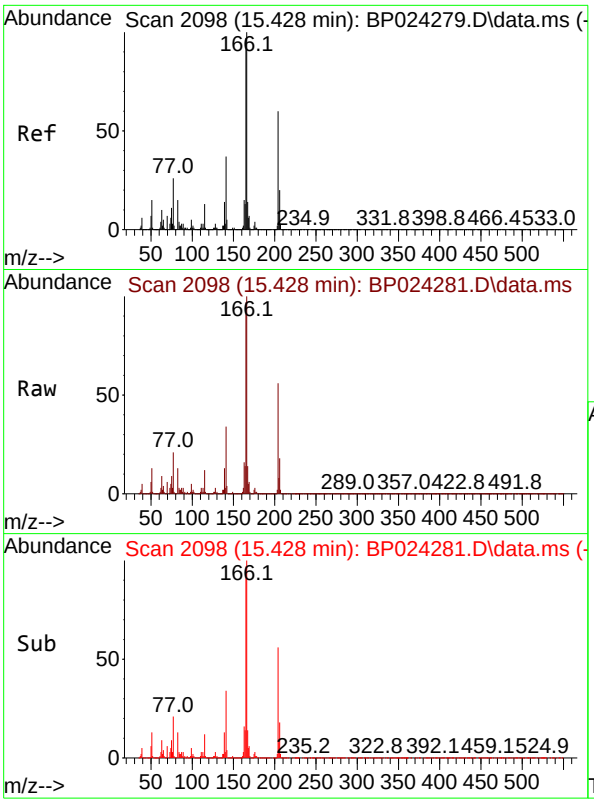


#60
Diethylphthalate
Concen: 59.879 ng
RT: 15.204 min Scan# 2060
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:149 Resp: 3495577

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.4	26.2
150	12.9	10.1	15.1



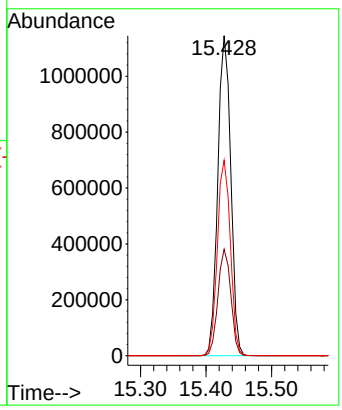


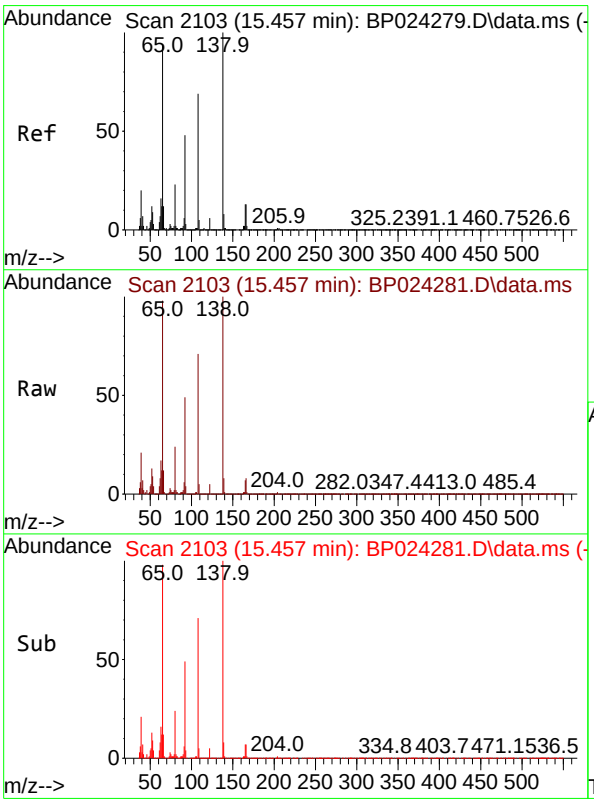
#61
4-Chlorophenyl-phenylether
Concen: 59.442 ng
RT: 15.428 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 1563042

Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.5	39.7
141	61.1	49.4	74.0

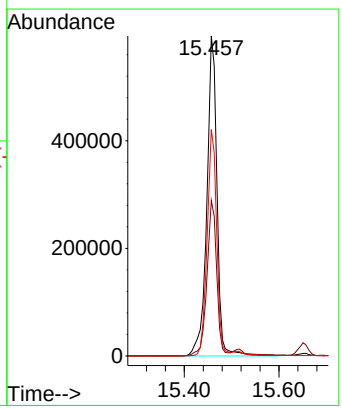


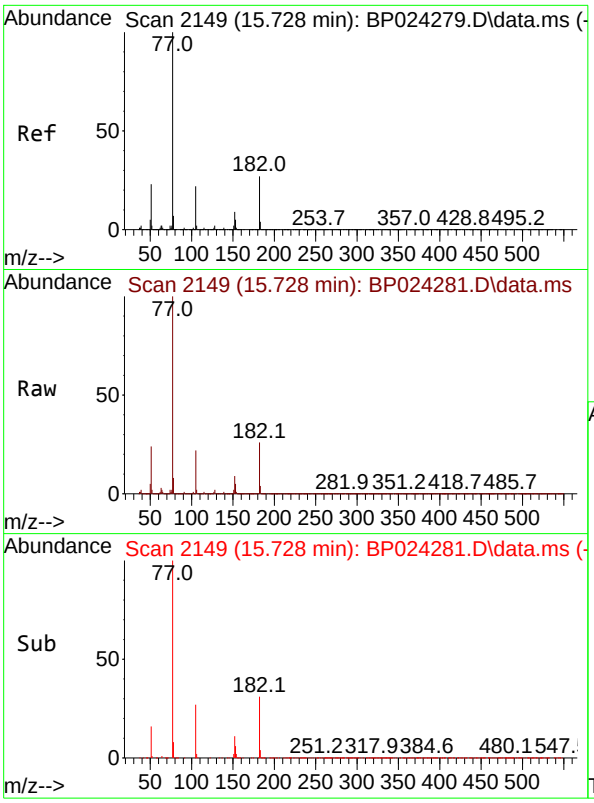


#62
4-Nitroaniline
Concen: 67.414 ng
RT: 15.457 min Scan# 2103
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:138 Resp: 886163

Ion	Ratio	Lower	Upper
138	100		
92	48.6	27.8	67.8
108	70.7	48.9	88.9



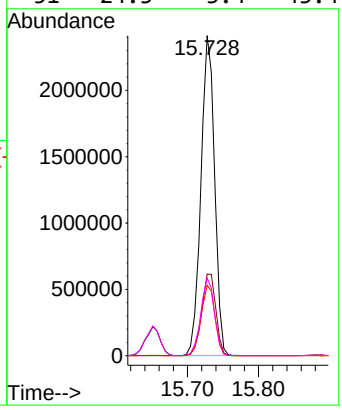


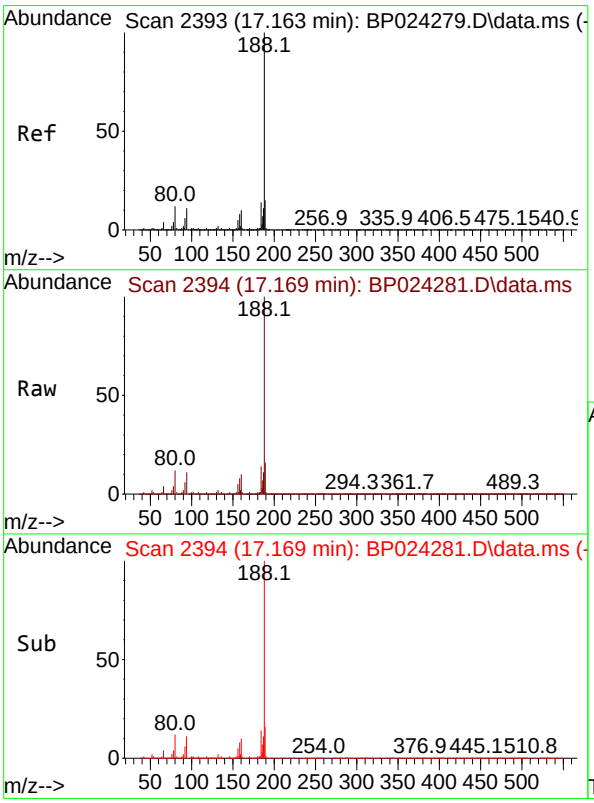
#63
Azobenzene
Concen: 60.070 ng
RT: 15.728 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 3229873

Ion	Ratio	Lower	Upper
77	100		
182	25.5	7.3	47.3
105	22.1	2.3	42.3
51	24.3	3.4	43.4

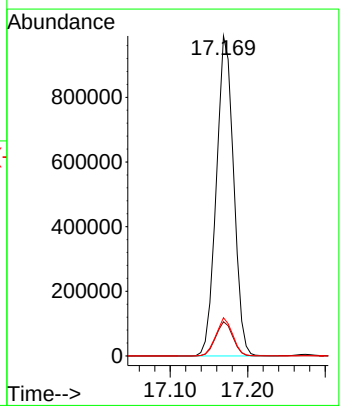


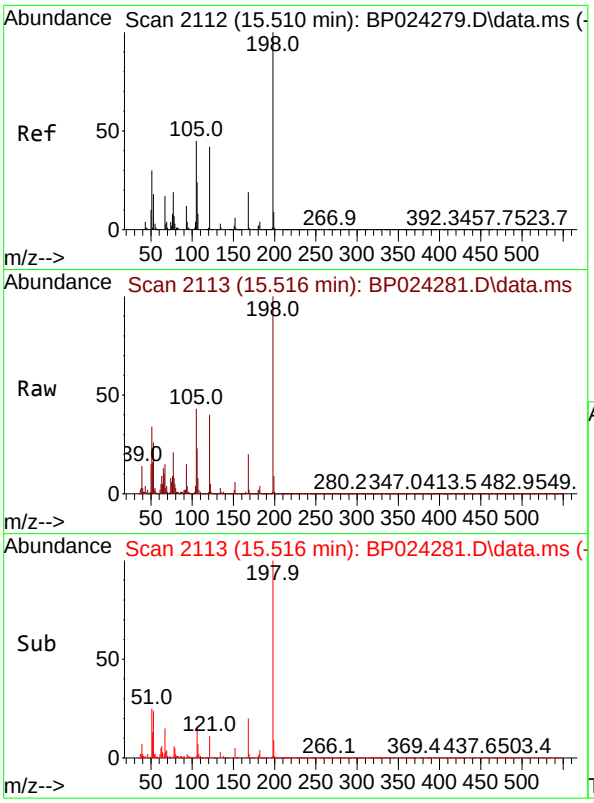


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.169 min Scan# 2394
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:188 Resp: 1536805

Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.6	13.0
80	12.0	9.8	14.6



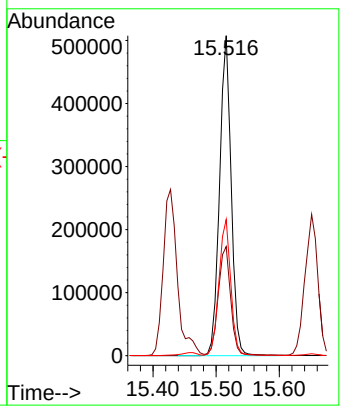


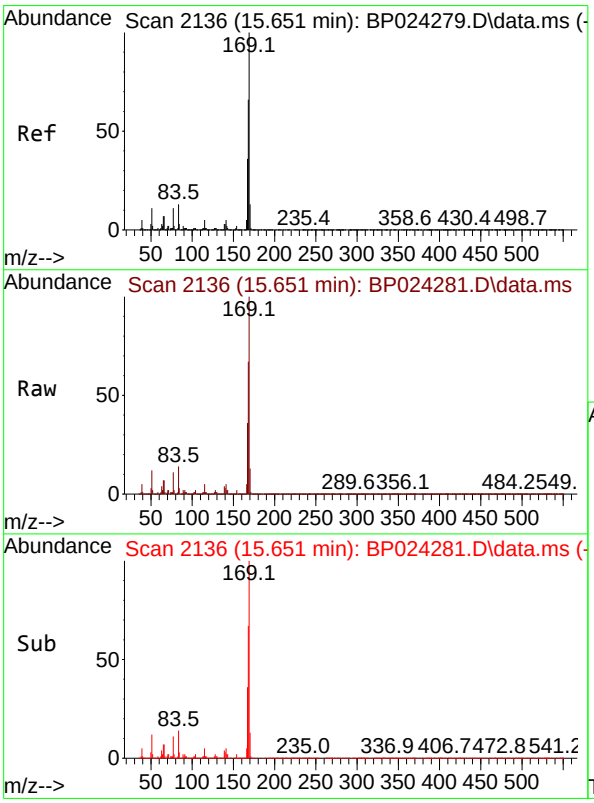
#65
4,6-Dinitro-2-methylphenol
Concen: 72.083 ng
RT: 15.516 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 647253

Ion	Ratio	Lower	Upper
198	100		
51	34.1	18.4	58.4
105	42.6	26.5	66.5

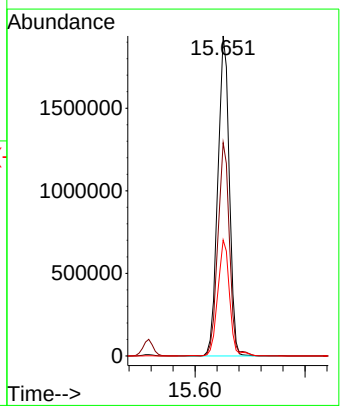


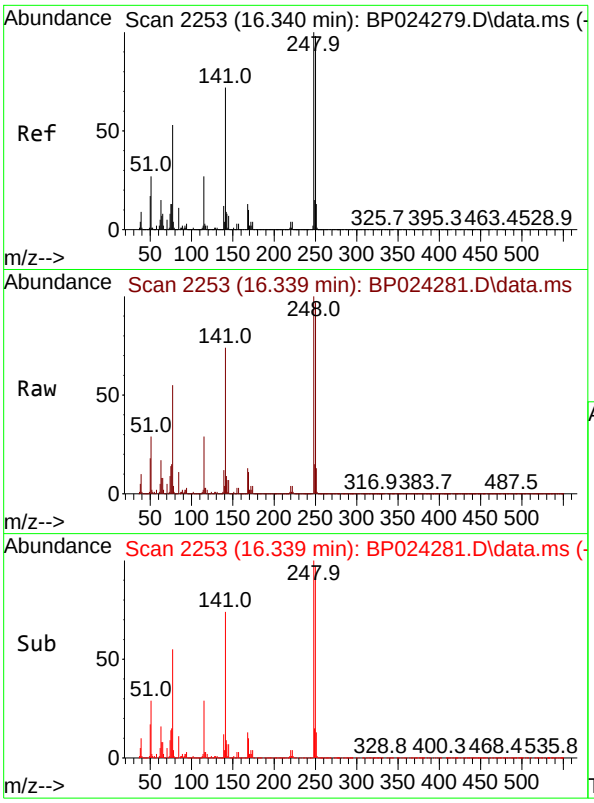


#66
n-Nitrosodiphenylamine
Concen: 60.874 ng
RT: 15.651 min Scan# 2136
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:169 Resp: 2805137

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.0	79.4
167	36.3	28.9	43.3



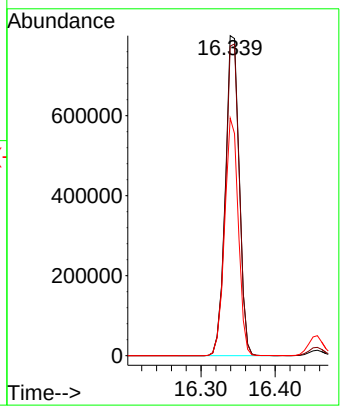


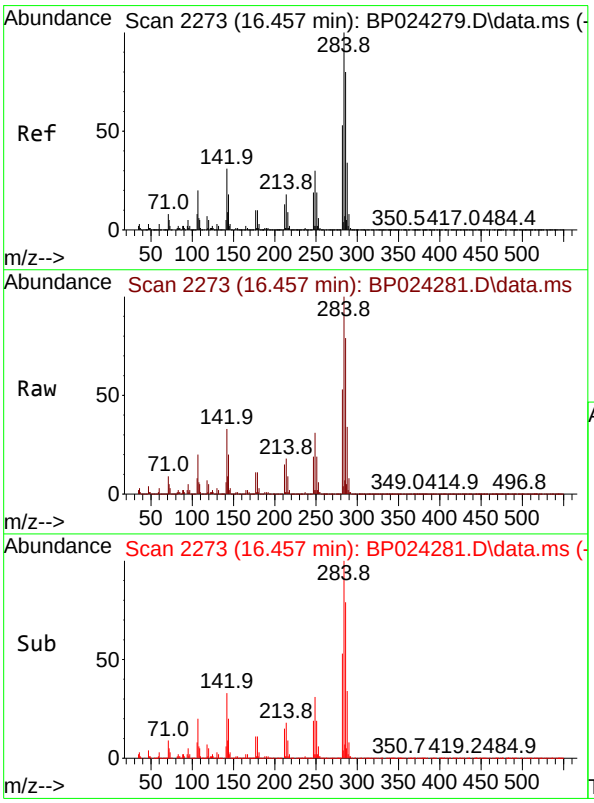
#67
4-Bromophenyl-phenylether
Concen: 61.926 ng
RT: 16.339 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 1038071

Ion	Ratio	Lower	Upper
248	100		
250	96.7	78.2	117.4
141	74.2	57.7	86.5

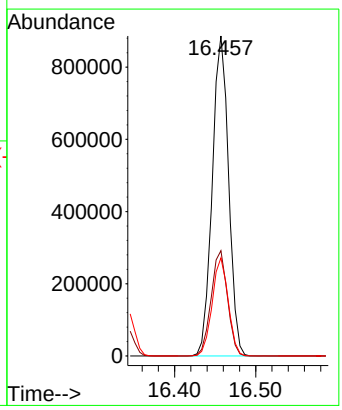


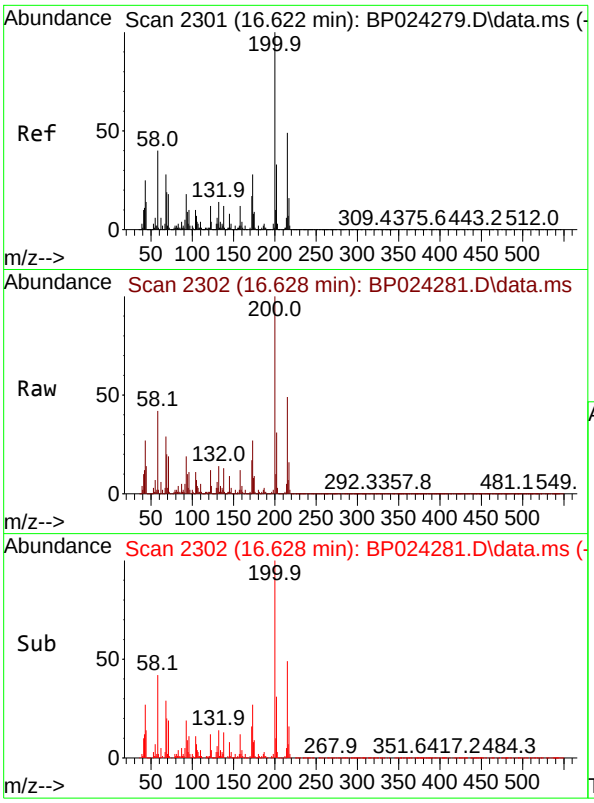


#68
Hexachlorobenzene
Concen: 62.200 ng
RT: 16.457 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:284 Resp: 1239550

Ion	Ratio	Lower	Upper
284	100		
142	32.9	24.6	37.0
249	30.7	23.8	35.6



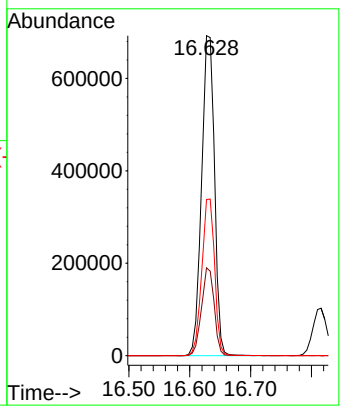


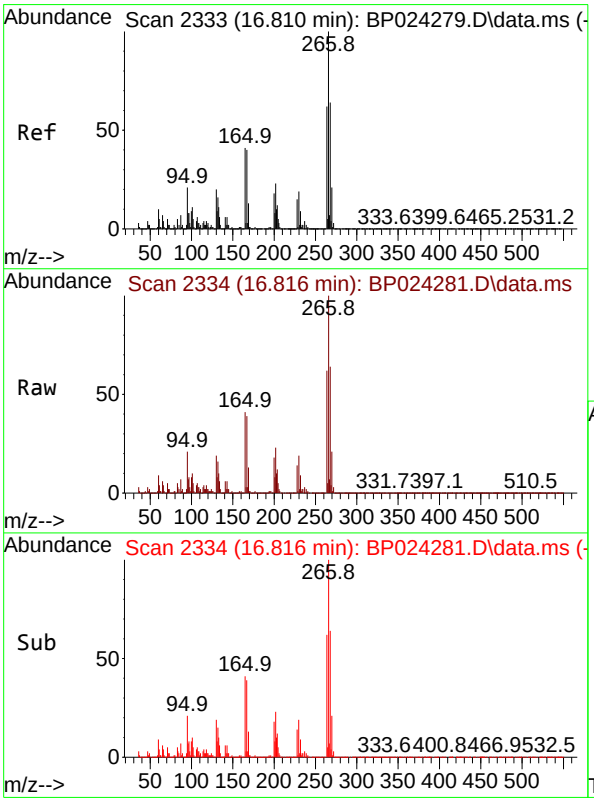
#69
Atrazine
Concen: 87.230 ng
RT: 16.628 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:200 Resp: 1019081

Ion	Ratio	Lower	Upper
200	100		
173	27.4	7.5	47.5
215	48.8	28.8	68.8

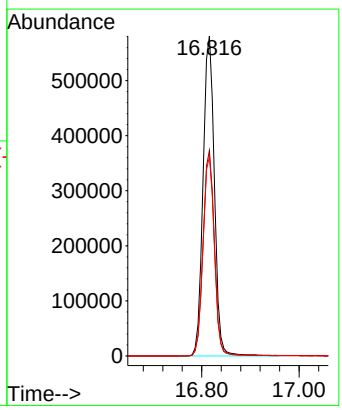


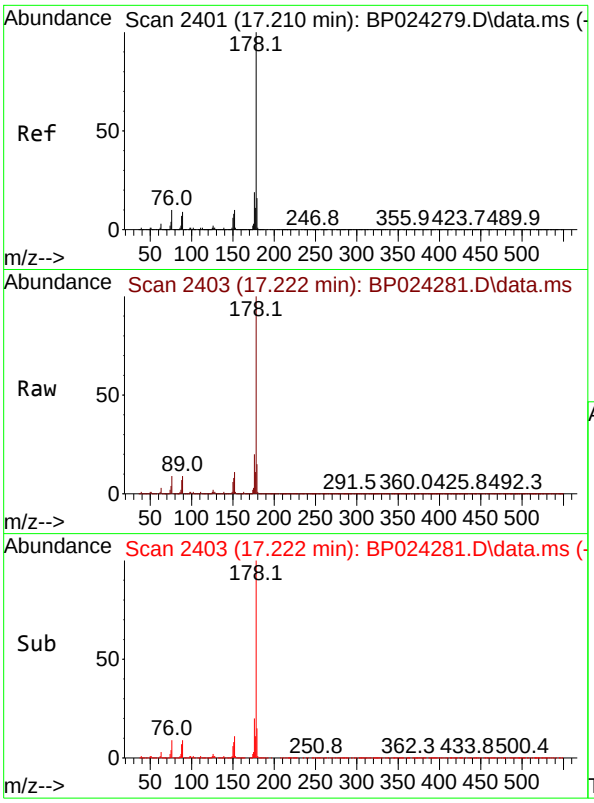


#70
Pentachlorophenol
Concen: 68.445 ng
RT: 16.816 min Scan# 2334
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:266 Resp: 936562

Ion	Ratio	Lower	Upper
266	100		
268	64.2	51.0	76.6
264	62.3	49.8	74.6



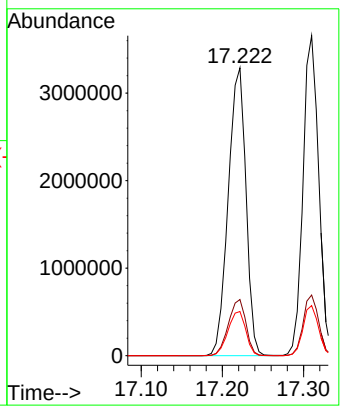


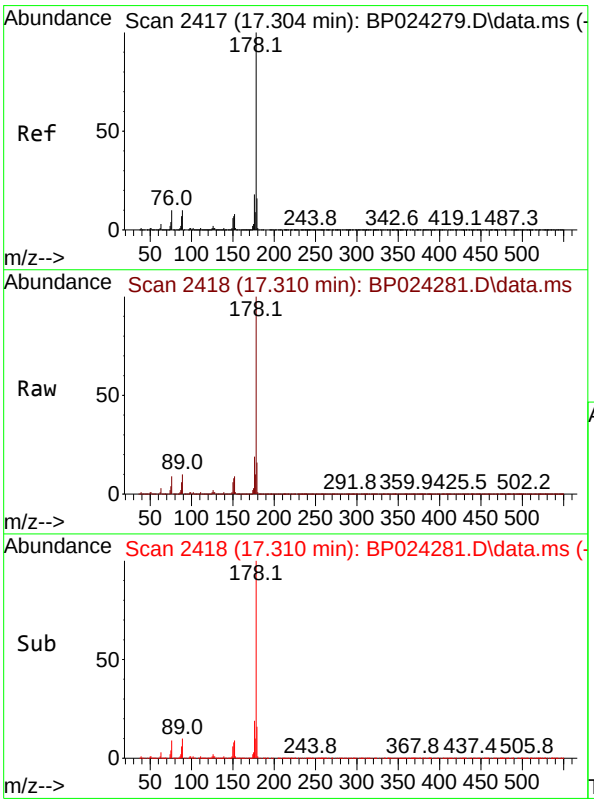
#71
Phenanthrene
Concen: 59.209 ng
RT: 17.222 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 4988840

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.0
179	15.3	12.5	18.7

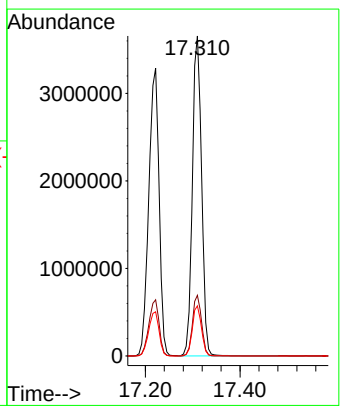


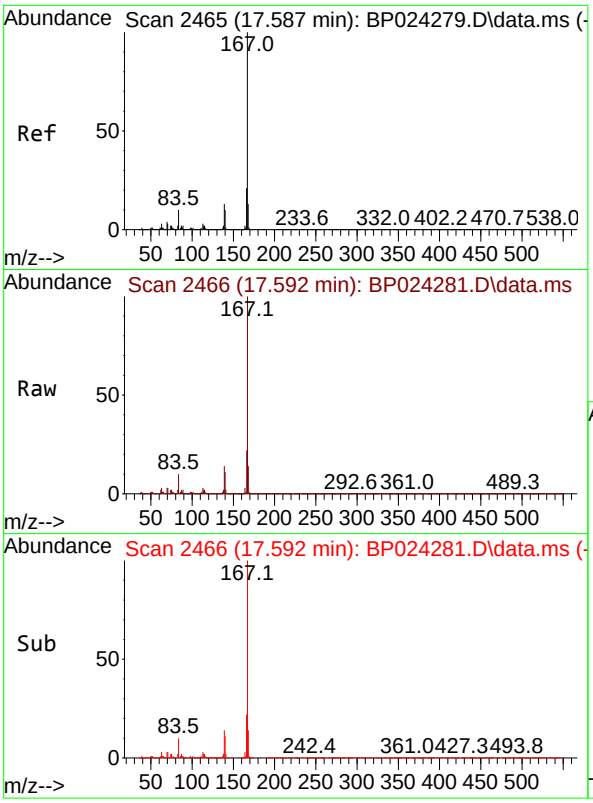


#72
Anthracene
Concen: 60.907 ng
RT: 17.310 min Scan# 2418
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:178 Resp: 4938117

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.7	22.1
179	15.7	12.4	18.6



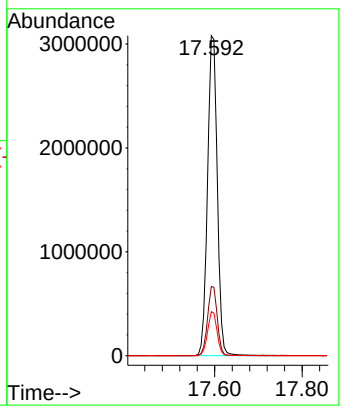


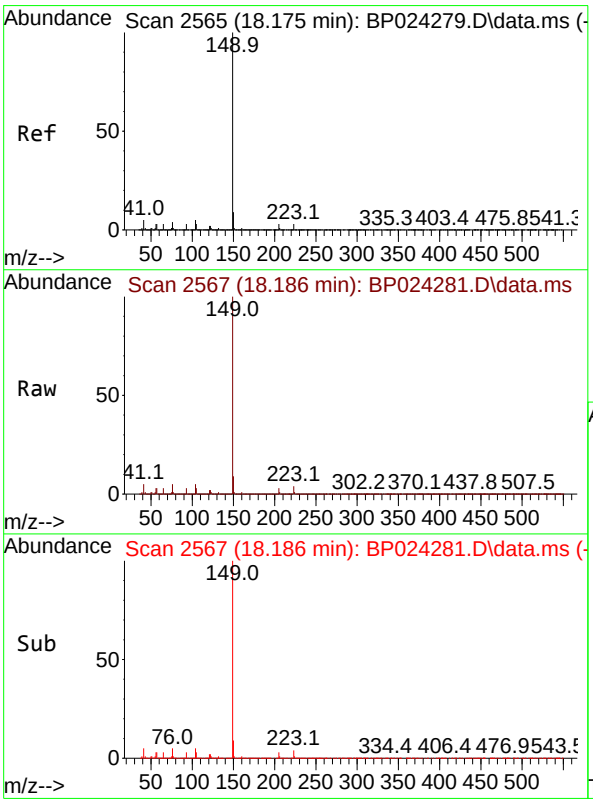
#73
Carbazole
Concen: 60.584 ng
RT: 17.592 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:167 Resp: 4780408

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.1	25.7
139	13.7	10.6	16.0

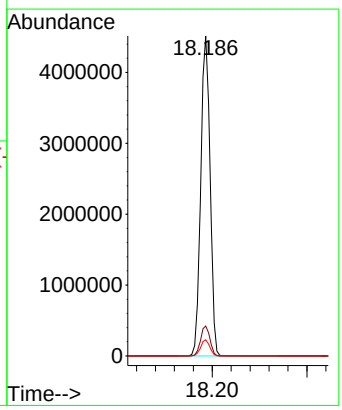


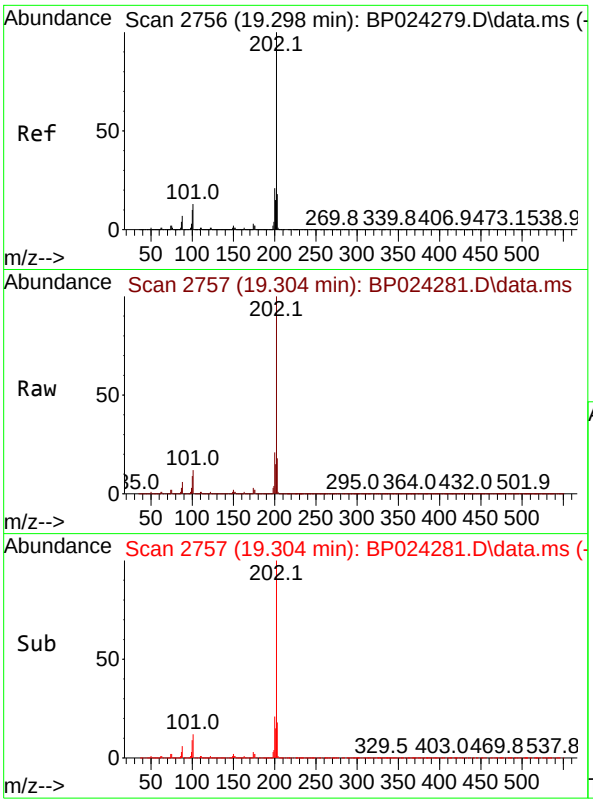


#74
Di-n-butylphthalate
Concen: 62.730 ng
RT: 18.186 min Scan# 2567
Delta R.T. 0.012 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:149 Resp: 6167206

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.0	3.9	5.9



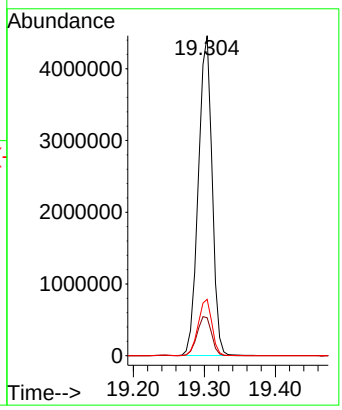


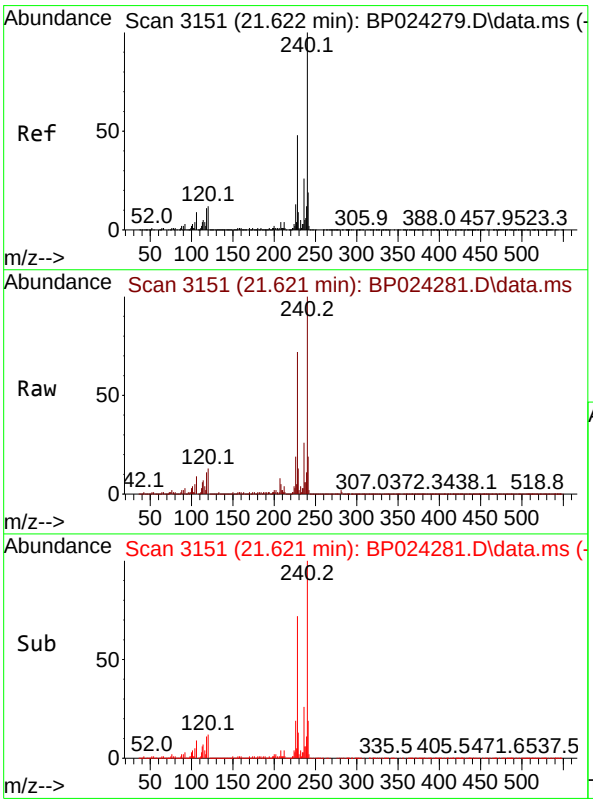
#75
Fluoranthene
Concen: 60.092 ng
RT: 19.304 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 6009748

Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	33.2
203	17.6	0.0	37.7

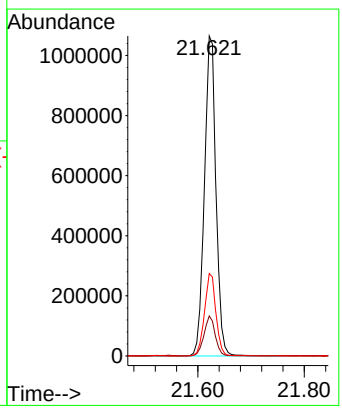


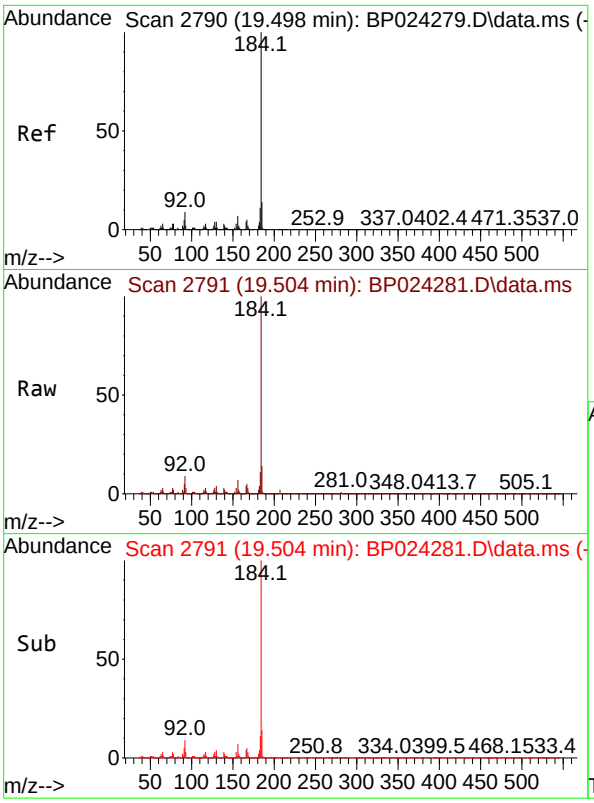


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.621 min Scan# 3151
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:240 Resp: 1596148

Ion	Ratio	Lower	Upper
240	100		
120	12.5	9.8	14.8
236	25.8	20.9	31.3



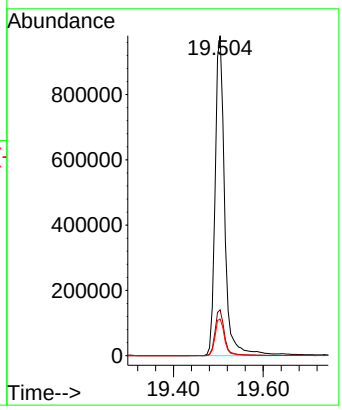


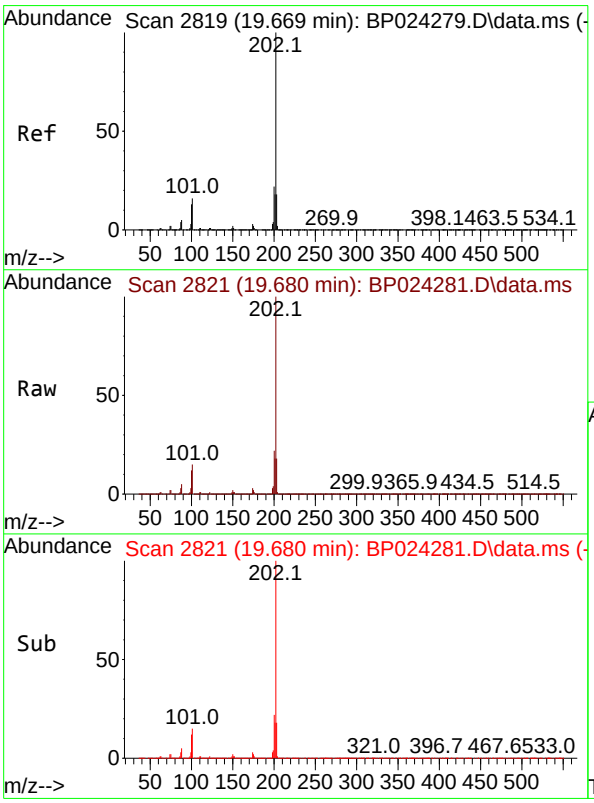
#77
Benzidine
Concen: 73.401 ng
RT: 19.504 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:184 Resp: 1446166

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.6	17.4
183	11.5	9.2	13.8

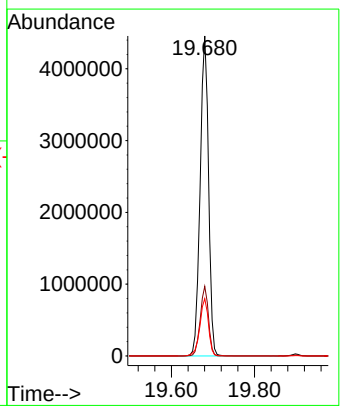


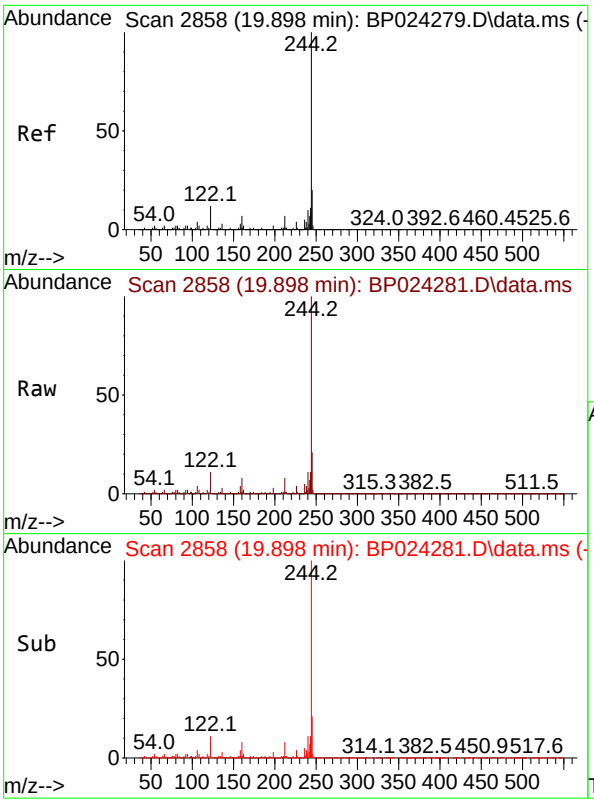


#78
Pyrene
Concen: 61.204 ng
RT: 19.680 min Scan# 2821
Delta R.T. 0.012 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:202 Resp: 6250781

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.2	25.8
203	17.9	14.4	21.6



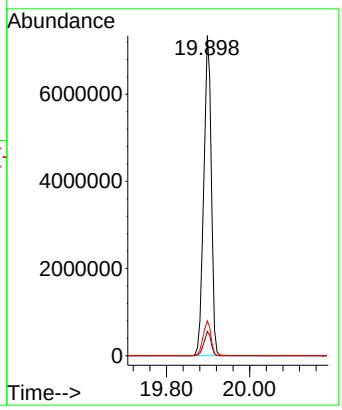


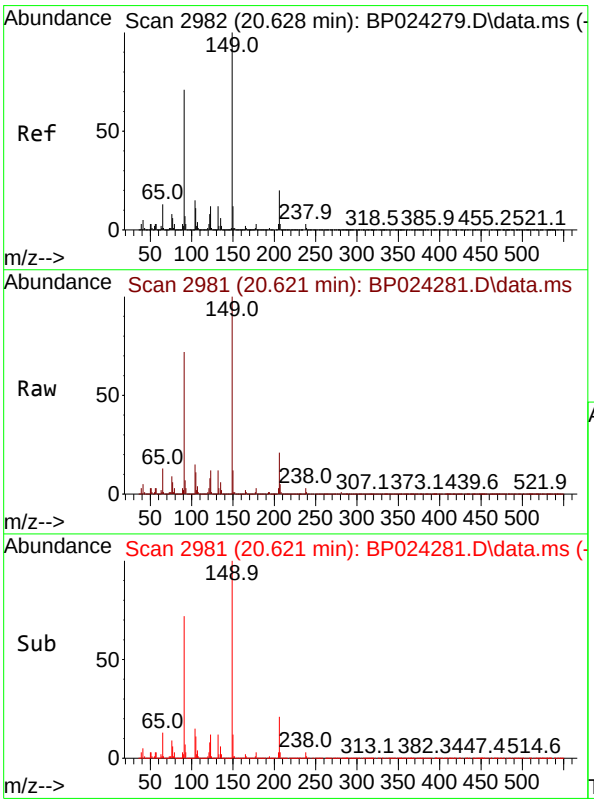
#79
Terphenyl-d14
Concen: 115.262 ng
RT: 19.898 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:244 Resp: 9228969

Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.6	8.4
122	10.9	9.4	14.0

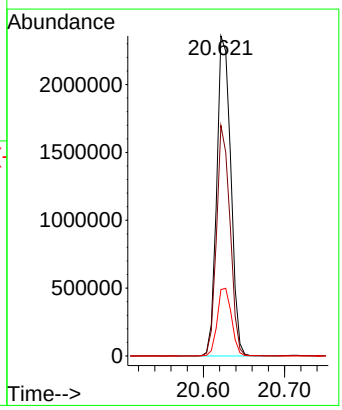


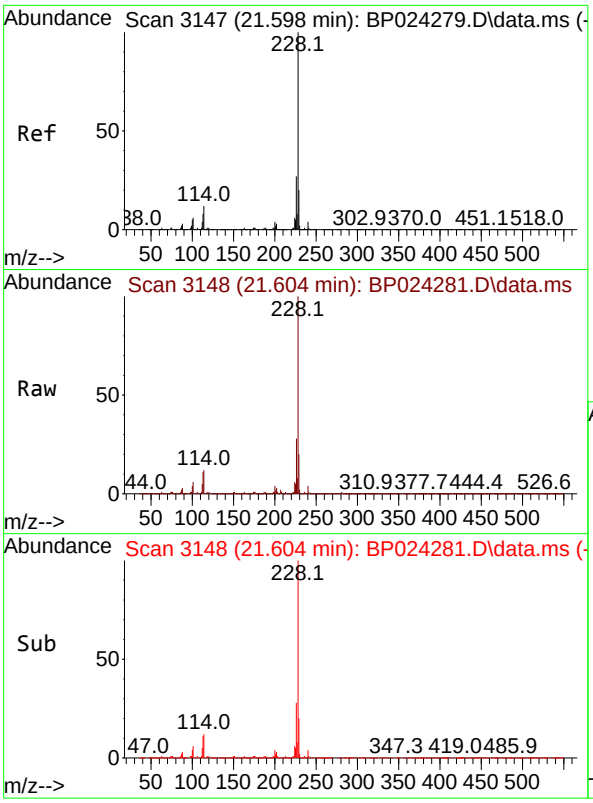


#80
Butylbenzylphthalate
Concen: 65.961 ng
RT: 20.621 min Scan# 2981
Delta R.T. -0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:149 Resp: 2840001

Ion	Ratio	Lower	Upper
149	100		
91	72.0	56.4	84.6
206	20.7	16.3	24.5



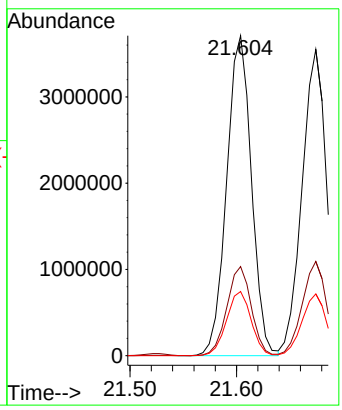


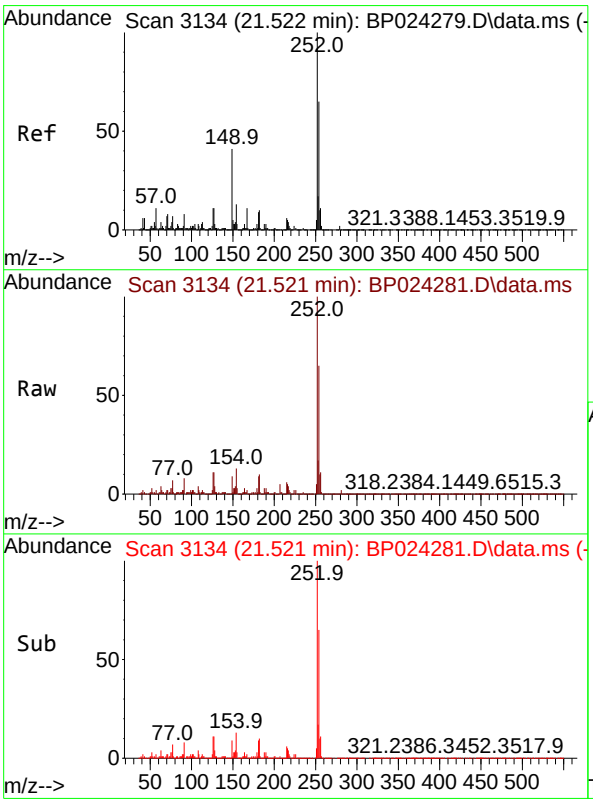
#81
Benzo(a)anthracene
Concen: 60.318 ng
RT: 21.604 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 6002059

Ion	Ratio	Lower	Upper
228	100		
226	27.9	21.8	32.8
229	20.1	15.9	23.9

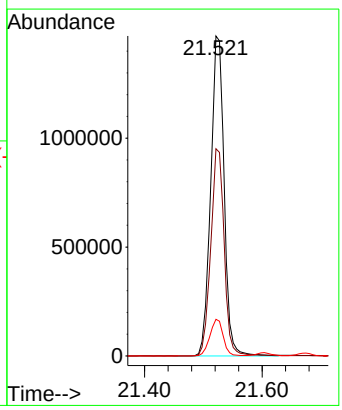


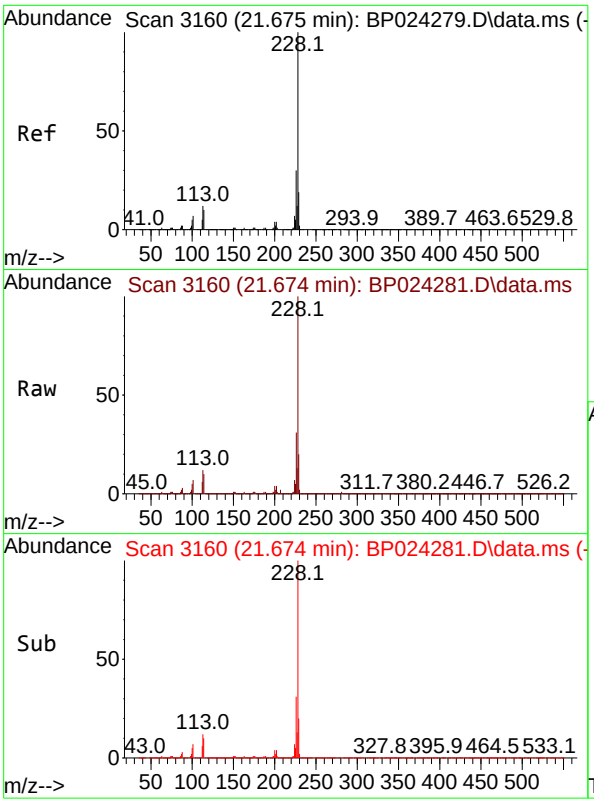


#82
3,3'-Dichlorobenzidine
Concen: 67.333 ng
RT: 21.521 min Scan# 3134
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:252 Resp: 2323294

Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.7	77.5
126	11.5	8.8	13.2



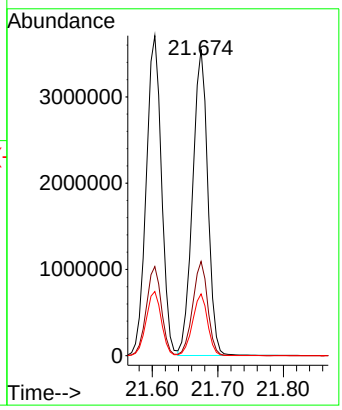


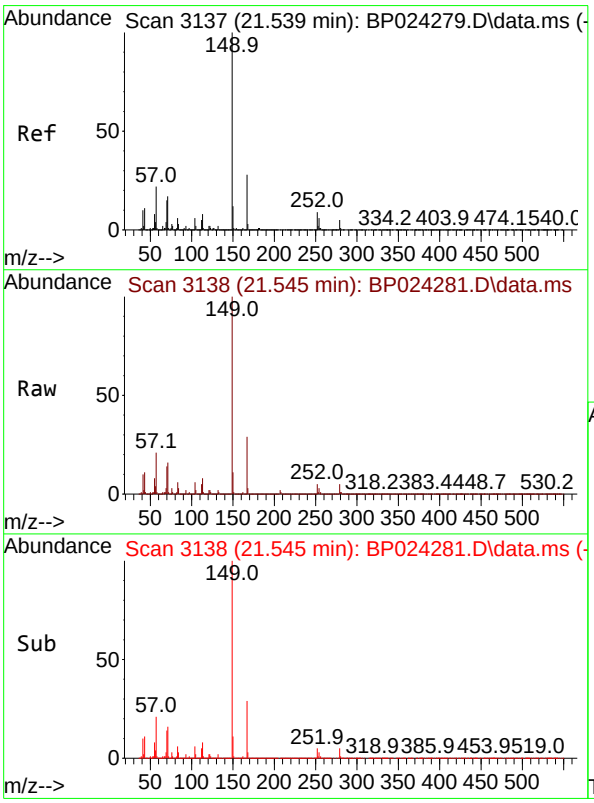
#83
Chrysene
Concen: 59.924 ng
RT: 21.674 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 5714775

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.2	36.2
229	20.2	15.6	23.4

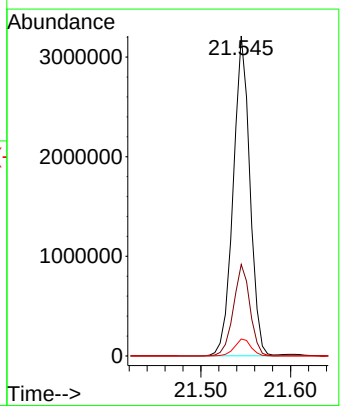


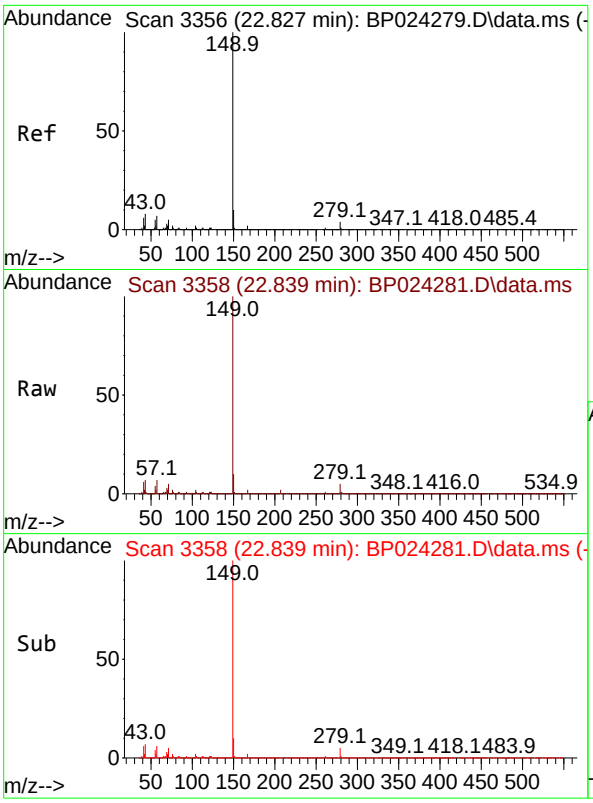


#84
Bis(2-ethylhexyl)phthalate
Concen: 65.497 ng
RT: 21.545 min Scan# 3138
Delta R.T. 0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:149 Resp: 4153128

Ion	Ratio	Lower	Upper
149	100		
167	28.6	22.4	33.6
279	5.3	4.0	6.0



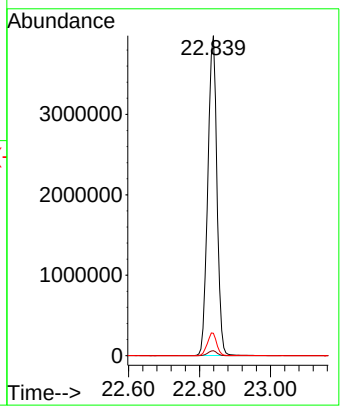


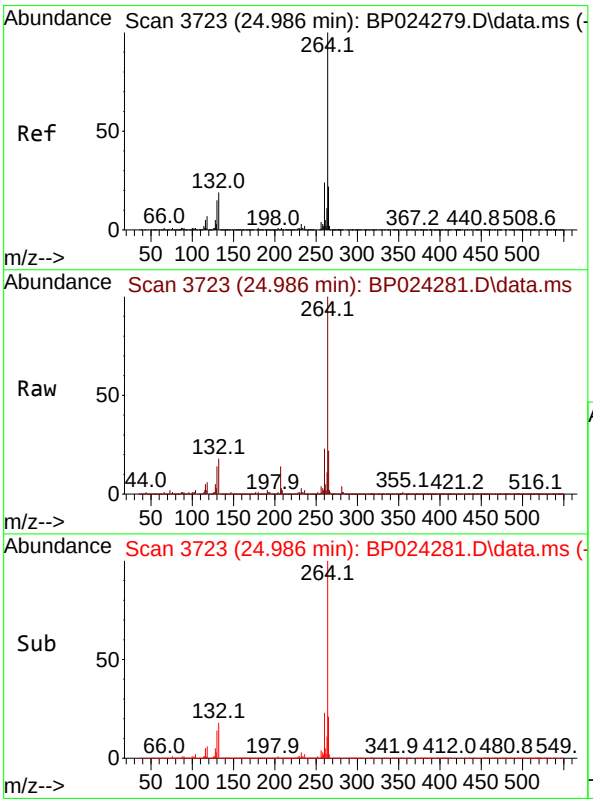
#85
Di-n-octyl phthalate
Concen: 70.060 ng
RT: 22.839 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 7116217

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.2	6.0	9.0

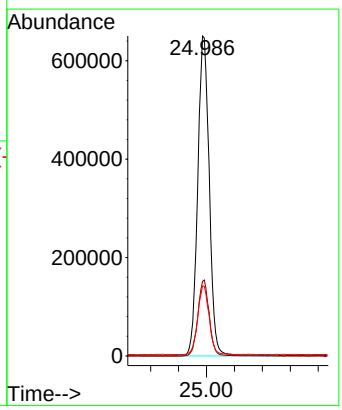


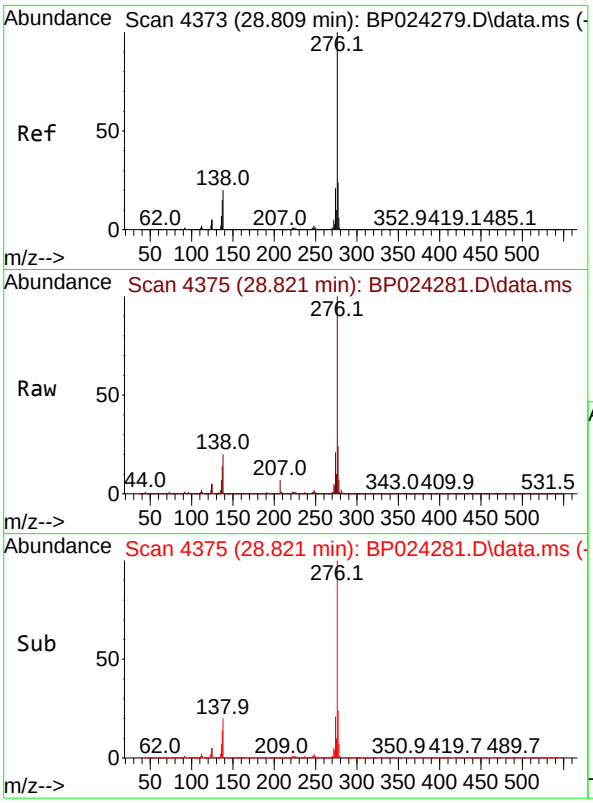


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.986 min Scan# 3723
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:264 Resp: 1858365

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.9	28.3
265	21.8	17.8	26.6



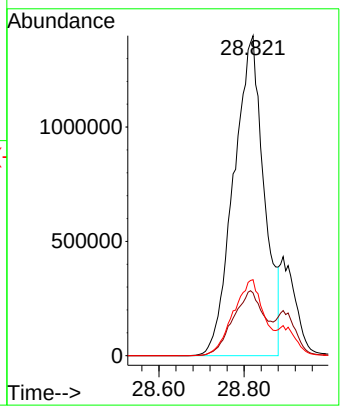


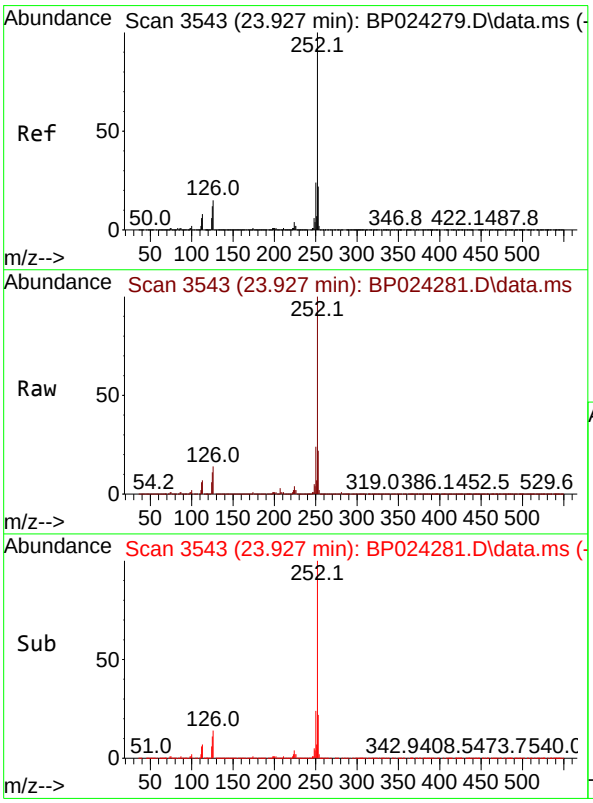
#87
Indeno(1,2,3-cd)pyrene
Concen: 54.232 ng
RT: 28.821 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 6931333

Ion	Ratio	Lower	Upper
276	100		
138	21.2	14.5	21.7
277	24.0	20.2	30.2

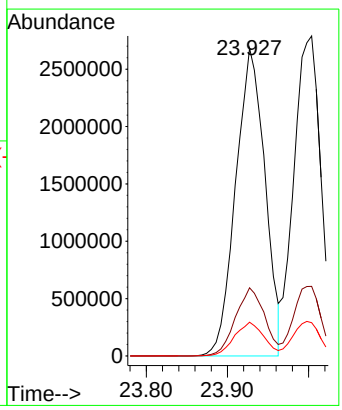


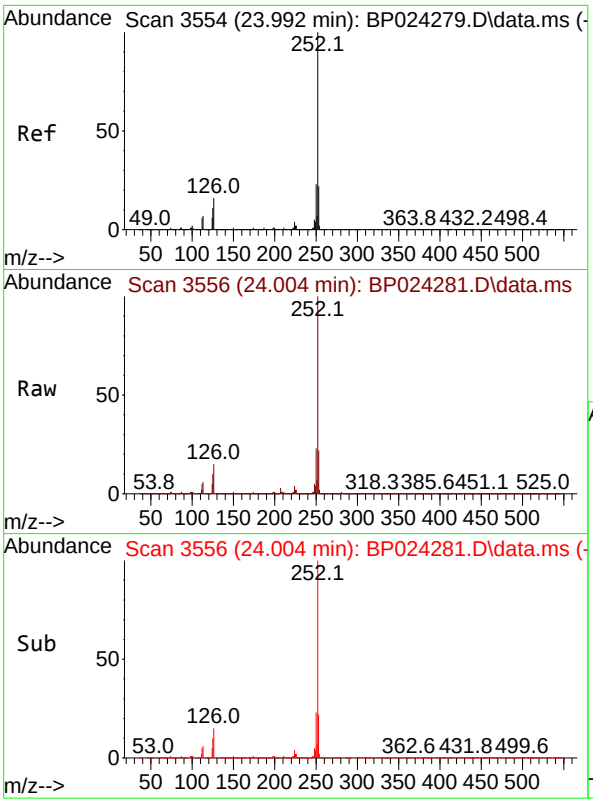


#88
Benzo(b)fluoranthene
Concen: 60.400 ng
RT: 23.927 min Scan# 3543
Delta R.T. -0.000 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:252 Resp: 6715444

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.0	9.4	14.0



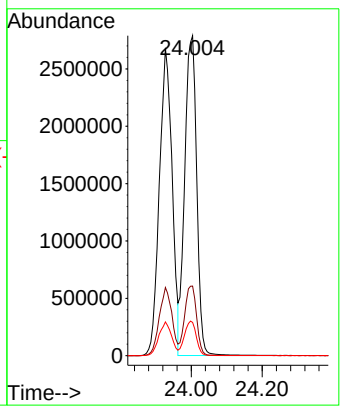


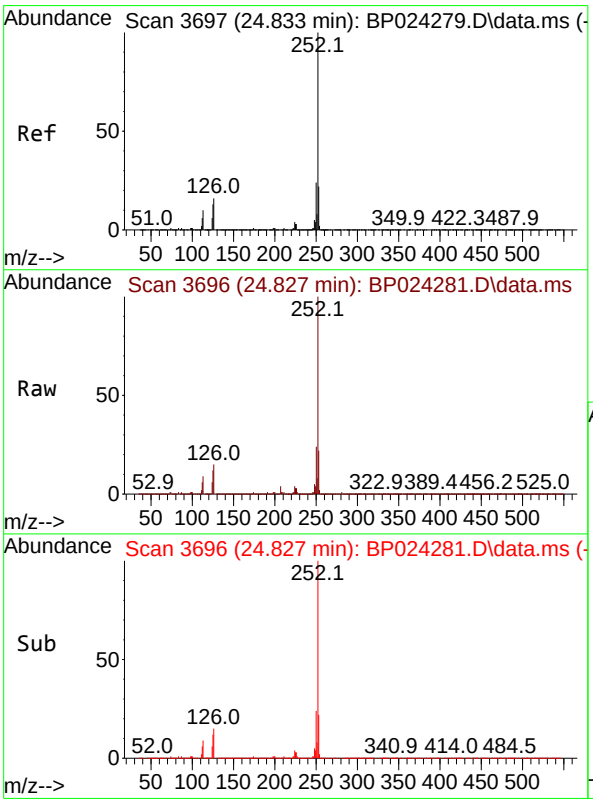
#89
Benzo(k)fluoranthene
Concen: 60.244 ng
RT: 24.004 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 6500782

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	10.4	9.1	13.7

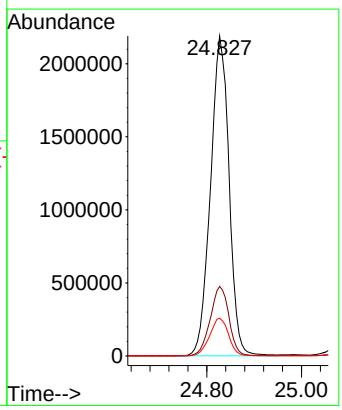


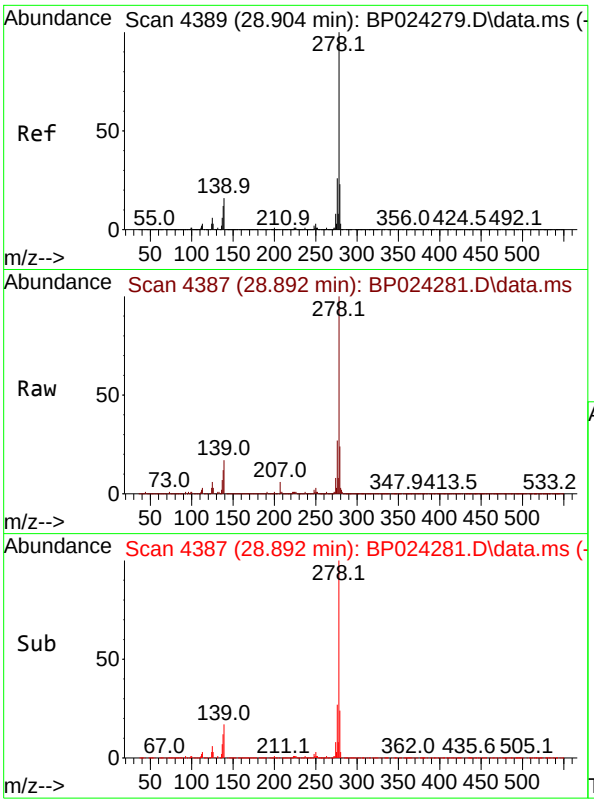


#90
Benzo(a)pyrene
Concen: 62.316 ng
RT: 24.827 min Scan# 3696
Delta R.T. -0.006 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:252 Resp: 5964163

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	11.8	10.1	15.1



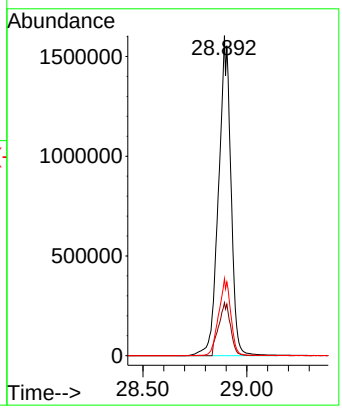


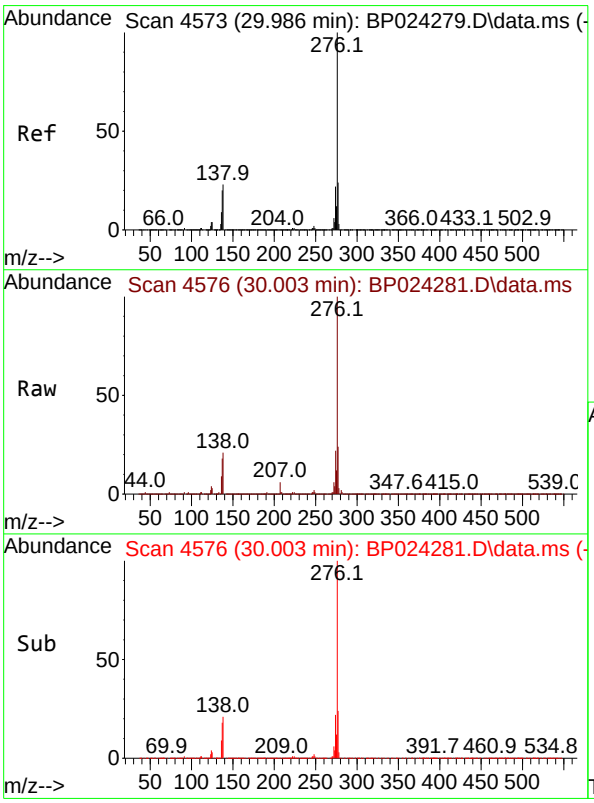
#91
Dibenzo(a,h)anthracene
Concen: 62.214 ng
RT: 28.892 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 6614173

Ion	Ratio	Lower	Upper
278	100		
139	16.6	12.6	19.0
279	24.1	18.5	27.7

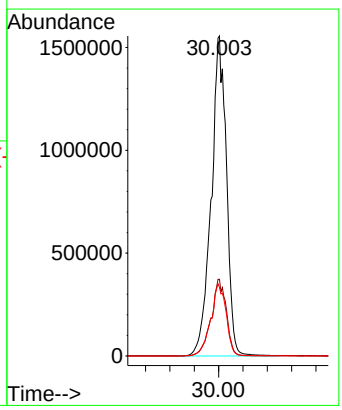




#92
Benzo(g,h,i)perylene
Concen: 62.294 ng
RT: 30.003 min Scan# 4576
Delta R.T. 0.017 min
Lab File: BP024281.D
Acq: 14 Apr 2025 16:32

Tgt Ion:276 Resp: 6740929

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.9	28.3
138	21.5	18.7	28.1



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024282.D
Acq On : 14 Apr 2025 17:13
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Quant Time: Apr 14 18:14:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.728	152	244732	20.000	ng		0.00
21) Naphthalene-d8	10.504	136	1024316	20.000	ng		0.00
39) Acenaphthene-d10	14.369	164	641442	20.000	ng		0.00
64) Phenanthrene-d10	17.180	188	1279313	20.000	ng		0.02
76) Chrysene-d12	21.621	240	1378105	20.000	ng		0.00
86) Perylene-d12	24.986	264	1583281	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.352	112	2341577	157.905	ng		0.00
7) Phenol-d6	6.916	99	3224074	158.927	ng		0.00
23) Nitrobenzene-d5	8.881	82	2847003	158.236	ng		0.00
42) 2,4,6-Tribromophenol	15.892	330	1507534	171.633	ng		0.01
45) 2-Fluorobiphenyl	12.981	172	6362479	150.596	ng		0.01
79) Terphenyl-d14	19.922	244	10209149	147.678	ng		0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.293	88	467234	73.805	ng		99
3) Pyridine	3.687	79	1033773	62.733	ng		99
4) n-Nitrosodimethylamine	3.593	42	434861	79.138	ng		97
6) Aniline	7.069	93	1351337	73.789	ng		100
8) 2-Chlorophenol	7.305	128	1299769	78.433	ng		99
9) Benzaldehyde	6.881	77	608272	57.891	ng		99
10) Phenol	6.946	94	1608027	78.944	ng		98
11) bis(2-Chloroethyl)ether	7.163	93	1272327	77.297	ng		99
12) 1,3-Dichlorobenzene	7.622	146	1344292	74.869	ng		100
13) 1,4-Dichlorobenzene	7.763	146	1369087	75.195	ng		99
14) 1,2-Dichlorobenzene	8.075	146	1310407	74.432	ng		100
15) Benzyl Alcohol	7.975	79	1098602	84.492	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.257	45	1319830	73.704	ng		98
17) 2-Methylphenol	8.175	107	1064555	81.101	ng		100
18) Hexachloroethane	8.799	117	498897	75.920	ng		99
19) n-Nitroso-di-n-propyla...	8.534	70	968278	76.844	ng		99
20) 3+4-Methylphenols	8.499	107	1492527	82.092	ng		99
22) Acetophenone	8.546	105	1977578	77.680	ng	#	100
24) Nitrobenzene	8.922	77	1392093	78.066	ng		98
25) Isophorone	9.446	82	2617853	80.596	ng		99
26) 2-Nitrophenol	9.628	139	760077	88.768	ng		98
27) 2,4-Dimethylphenol	9.693	122	905891	83.475	ng		99
28) bis(2-Chloroethoxy)met...	9.922	93	1689686	76.434	ng		99
29) 2,4-Dichlorophenol	10.157	162	1238253	83.719	ng		99
30) 1,2,4-Trichlorobenzene	10.369	180	1252476	78.272	ng		99
31) Naphthalene	10.557	128	4190486	77.287	ng		100
32) Benzoic acid	9.875	122	1122706	95.735	ng		99
33) 4-Chloroaniline	10.669	127	1547427	81.682	ng		99
34) Hexachlorobutadiene	10.840	225	743811	79.240	ng		99
35) Caprolactam	11.481	113	469910	86.534	ng		98
36) 4-Chloro-3-methylphenol	11.804	107	1438601	83.468	ng		98
37) 2-Methylnaphthalene	12.169	142	2918685	77.673	ng		99
38) 1-Methylnaphthalene	12.393	142	2831173	76.912	ng		100
40) 1,2,4,5-Tetrachloroben...	12.545	216	1416894	80.378	ng		100
41) Hexachlorocyclopentadiene	12.528	237	523136	84.532	ng		99
43) 2,4,6-Trichlorophenol	12.787	196	1000309	86.244	ng		97

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024282.D
Acq On : 14 Apr 2025 17:13
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Quant Time: Apr 14 18:14:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.869	196	1103073	85.819	ng	98
46) 1,1'-Biphenyl	13.198	154	3665607	77.381	ng	99
47) 2-Chloronaphthalene	13.234	162	2766302	78.257	ng	99
48) 2-Nitroaniline	13.445	65	848619	86.912	ng	98
49) Acenaphthylene	14.087	152	4438648	80.004	ng	100
50) Dimethylphthalate	13.834	163	3659579	78.201	ng	99
51) 2,6-Dinitrotoluene	13.945	165	814314	82.589	ng	98
52) Acenaphthene	14.439	154	2761536	78.270	ng	100
53) 3-Nitroaniline	14.281	138	919775	89.913	ng	99
54) 2,4-Dinitrophenol	14.492	184	541483	102.567	ng	99
55) Dibenzofuran	14.781	168	4420987	76.402	ng	99
56) 4-Nitrophenol	14.604	139	814261	92.599	ng	98
57) 2,4-Dinitrotoluene	14.745	165	1169554	87.755	ng	98
58) Fluorene	15.439	166	3479094	77.873	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.004	232	999335	84.031	ng	100
60) Diethylphthalate	15.222	149	3800651	78.910	ng	99
61) 4-Chlorophenyl-phenyle...	15.439	204	1689620	77.881	ng	100
62) 4-Nitroaniline	15.469	138	965926	89.063	ng	98
63) Azobenzene	15.739	77	3448680	77.741	ng	98
65) 4,6-Dinitro-2-methylph...	15.528	198	705506	94.385	ng	92
66) n-Nitrosodiphenylamine	15.657	169	2970516	77.438	ng	99
67) 4-Bromophenyl-phenylether	16.345	248	1137128	81.488	ng	99
68) Hexachlorobenzene	16.469	284	1347567	81.231	ng	97
69) Atrazine	16.628	200	363462	37.373	ng	100
70) Pentachlorophenol	16.828	266	1027691	90.221	ng	99
71) Phenanthrene	17.228	178	5415046	77.203	ng	100
72) Anthracene	17.316	178	5270987	78.097	ng	99
73) Carbazole	17.604	167	5275449	80.314	ng	100
74) Di-n-butylphthalate	18.192	149	6569078	80.266	ng	100
75) Fluoranthene	19.316	202	6520527	78.322	ng	99
77) Benzidine	19.510	184	1663000	97.761	ng	99
78) Pyrene	19.686	202	6718789	76.195	ng	100
80) Butylbenzylphthalate	20.645	149	3163633	85.104	ng	96
81) Benzo(a)anthracene	21.604	228	6729971	78.335	ng	99
82) 3,3'-Dichlorobenzidine	21.539	252	2536509	85.143	ng	99
83) Chrysene	21.680	228	6433173	78.130	ng	99
84) Bis(2-ethylhexyl)phtha...	21.545	149	4516949	82.506	ng	98
85) Di-n-octyl phthalate	22.833	149	7969779	90.878	ng	99
87) Indeno(1,2,3-cd)pyrene	28.815	276	9286186	85.280	ng	99
88) Benzo(b)fluoranthene	23.933	252	7677613	81.051	ng	98
89) Benzo(k)fluoranthene	23.998	252	7207214	78.395	ng	100
90) Benzo(a)pyrene	24.833	252	6703562	82.211	ng	99
91) Dibenzo(a,h)anthracene	28.886	278	7614901	84.071	ng	98
92) Benzo(g,h,i)perylene	29.997	276	7750941	84.072	ng	99

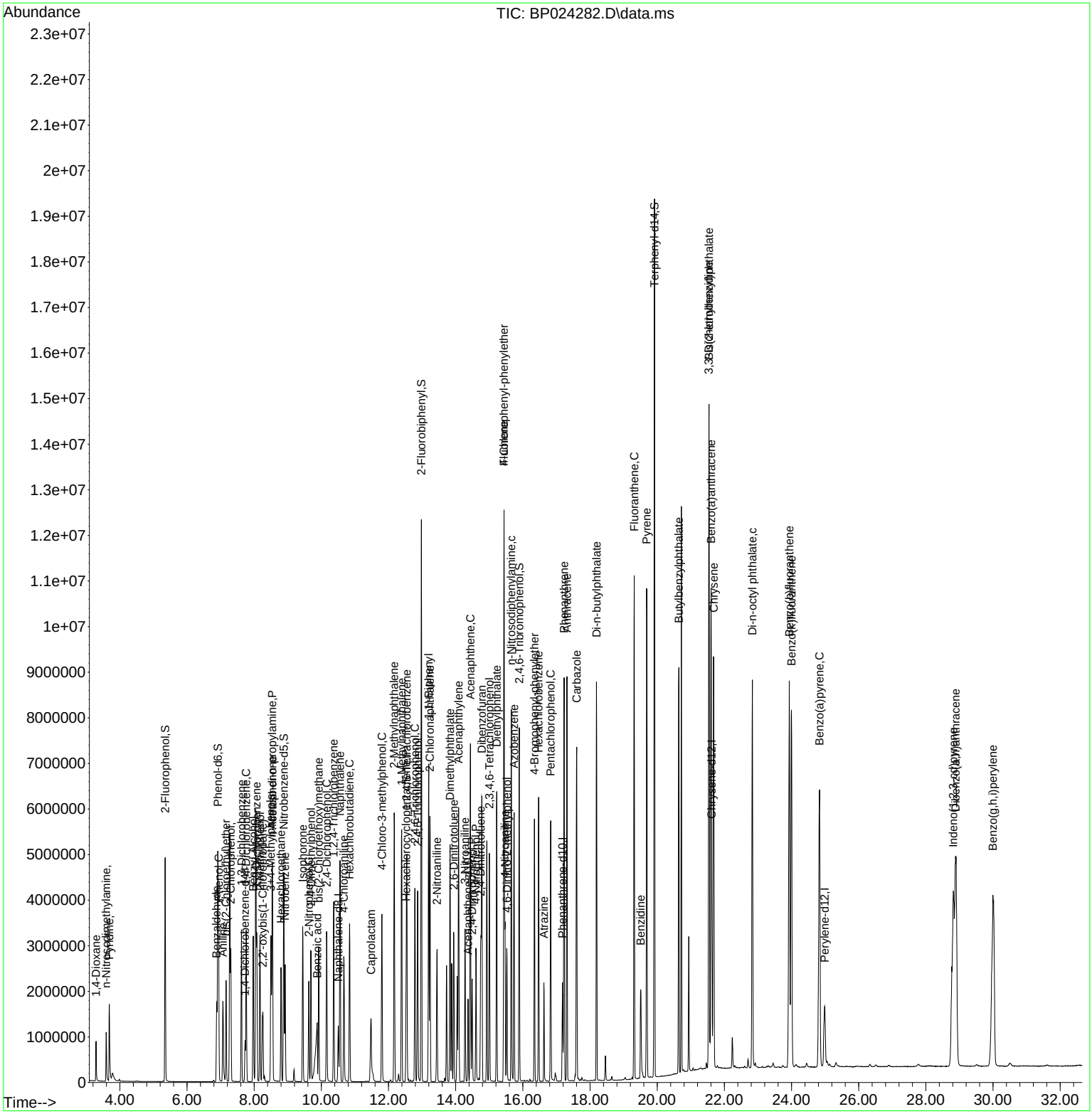
(#) = qualifier out of range (m) = manual integration (+) = signals summed

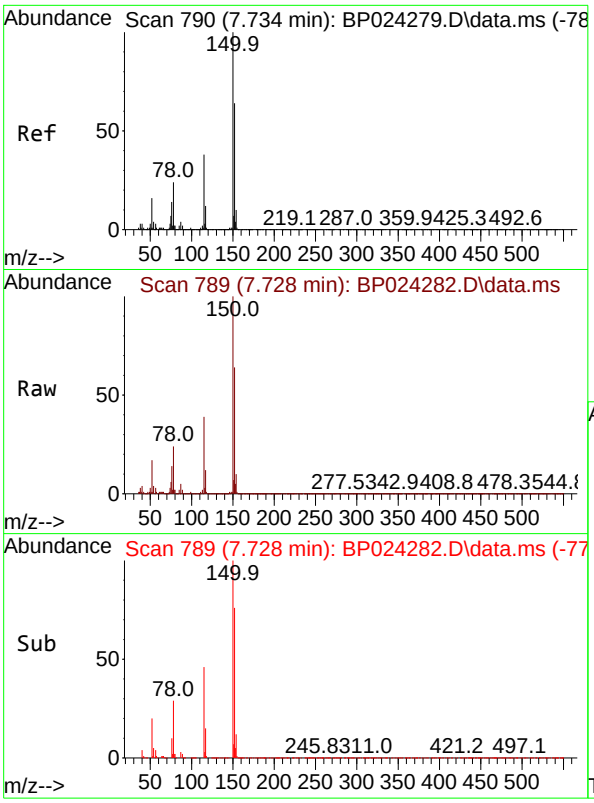
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024282.D
Acq On : 14 Apr 2025 17:13
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Quant Time: Apr 14 18:14:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration



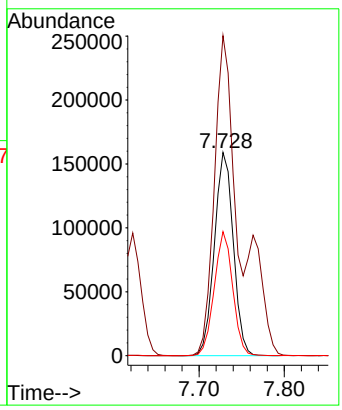


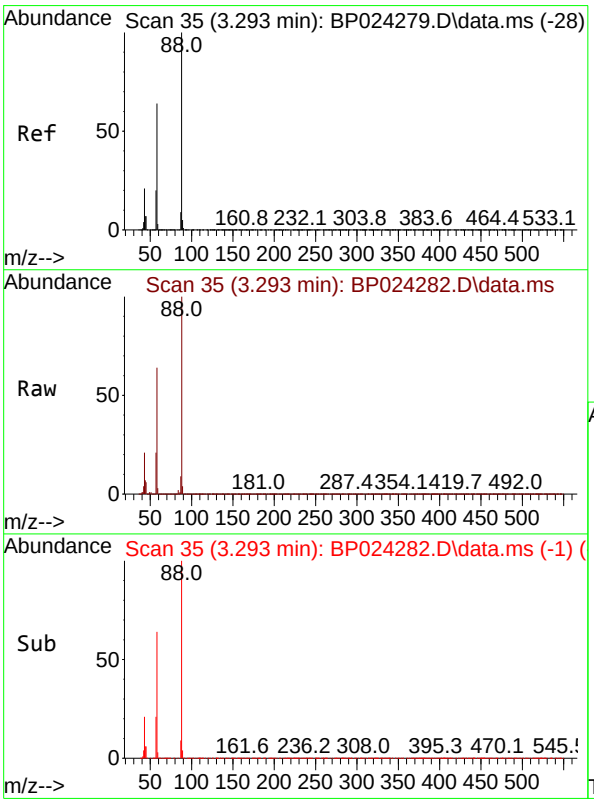
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.728 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 244732

Ion	Ratio	Lower	Upper
152	100		
150	157.4	124.9	187.3
115	61.0	47.7	71.5

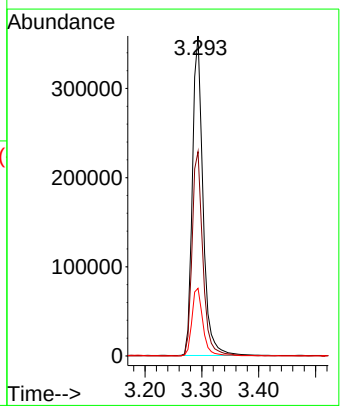


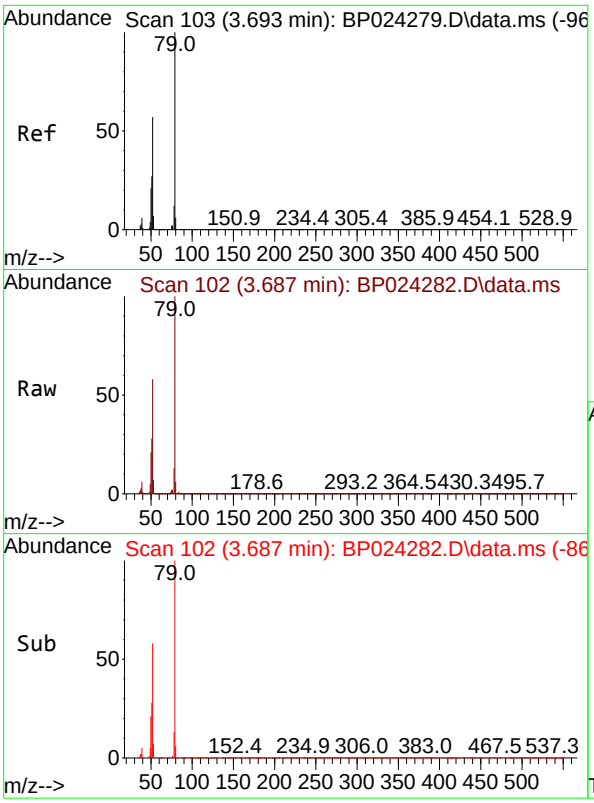


#2
1,4-Dioxane
Concen: 73.805 ng
RT: 3.293 min Scan# 35
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion: 88 Resp: 467234

Ion	Ratio	Lower	Upper
88	100		
58	64.8	51.4	77.2
43	21.7	17.1	25.7



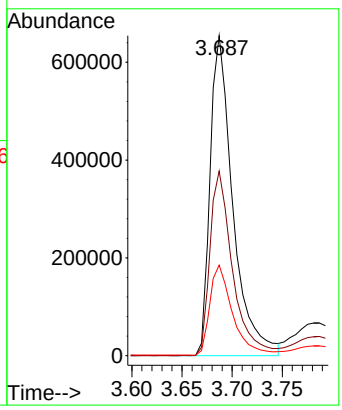


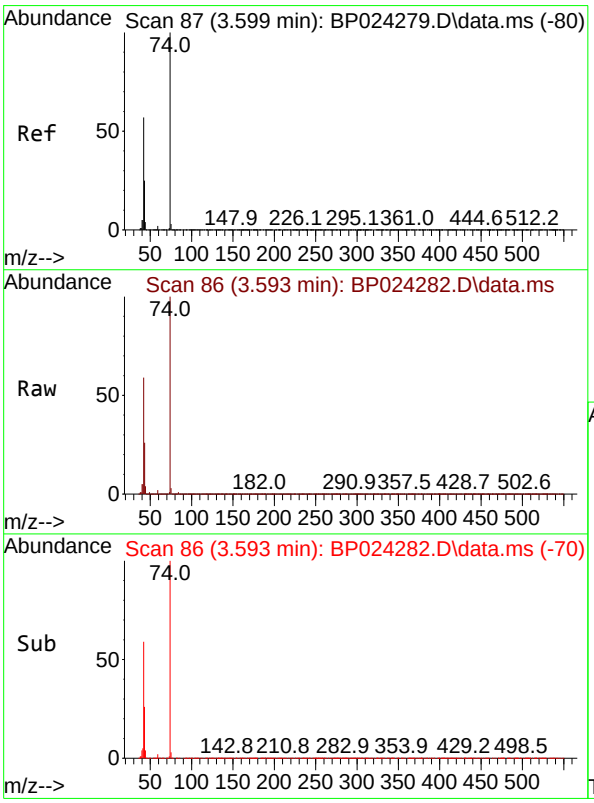
#3
Pyridine
Concen: 62.733 ng
RT: 3.687 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 1033773

Ion	Ratio	Lower	Upper
79	100		
52	57.7	45.4	68.2
51	28.3	22.6	33.8

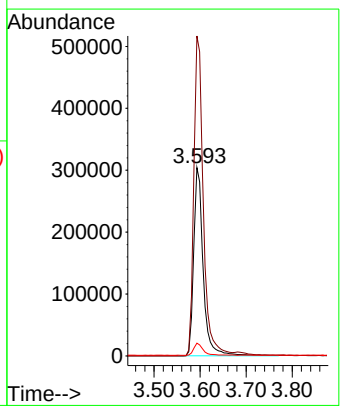


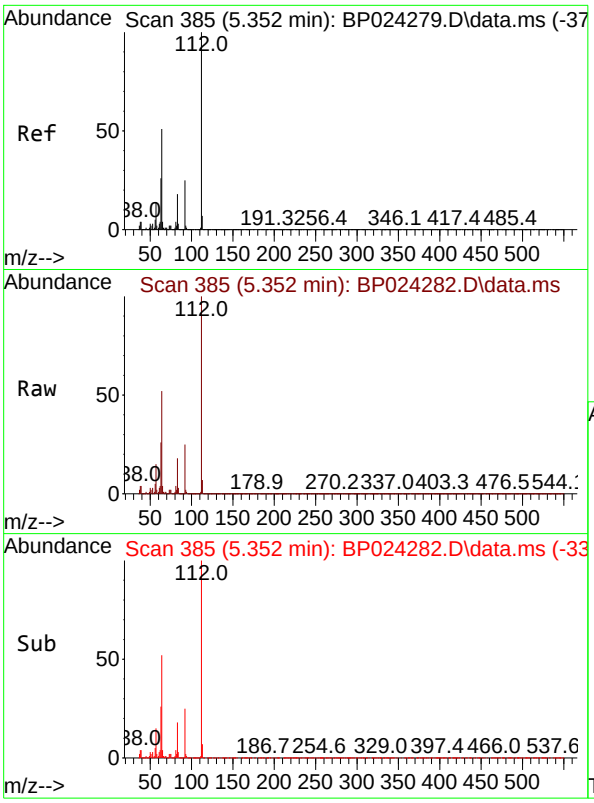


#4
n-Nitrosodimethylamine
Concen: 79.138 ng
RT: 3.593 min Scan# 86
Delta R.T. -0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion: 42 Resp: 434861

Ion	Ratio	Lower	Upper
42	100		
74	170.0	139.5	209.3
44	6.8	5.8	8.8



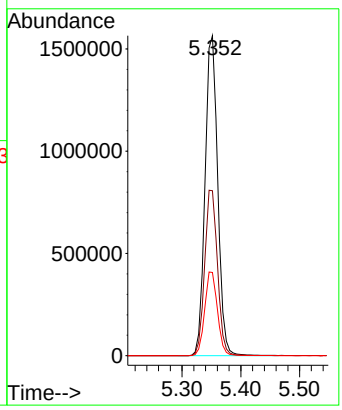


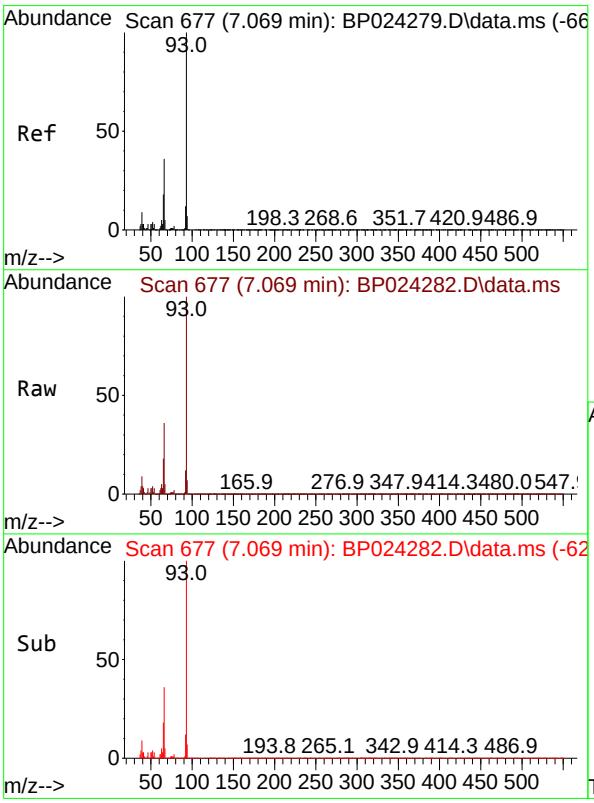
#5
2-Fluorophenol
Concen: 157.905 ng
RT: 5.352 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 2341577

Ion	Ratio	Lower	Upper
112	100		
64	51.6	41.1	61.7
63	26.0	20.6	30.8

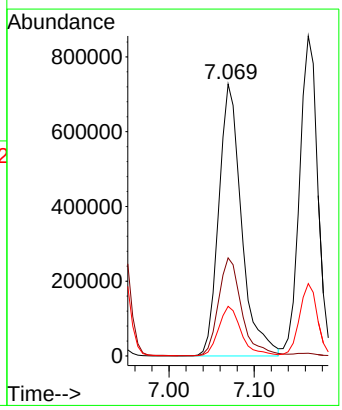


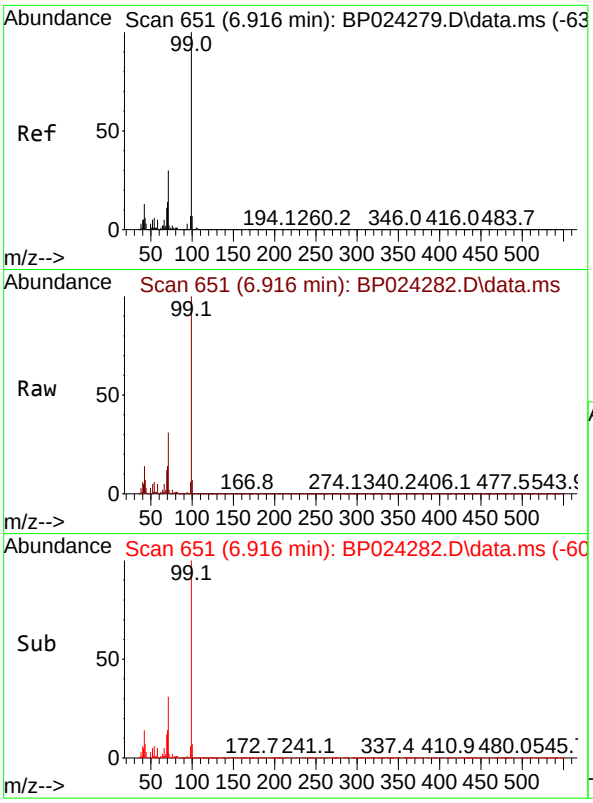


#6
Aniline
Concen: 73.789 ng
RT: 7.069 min Scan# 677
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion: 93 Resp: 1351337

Ion	Ratio	Lower	Upper
93	100		
66	36.1	29.1	43.7
65	18.2	14.7	22.1



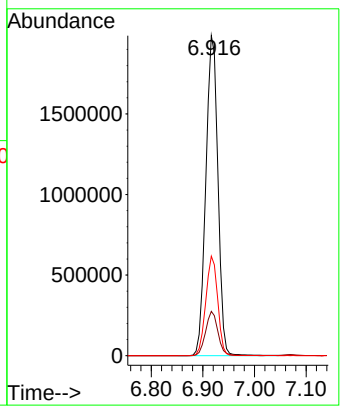


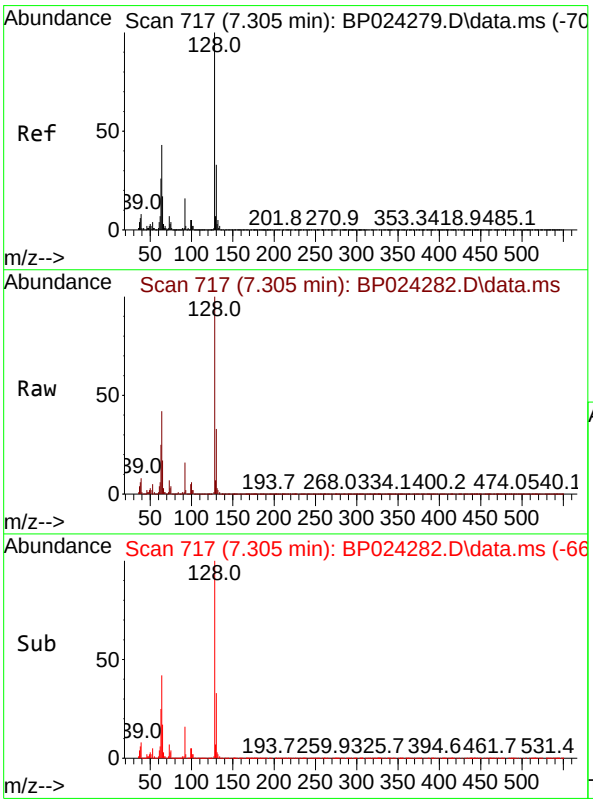
#7
Phenol-d6
Concen: 158.927 ng
RT: 6.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 3224074

Ion	Ratio	Lower	Upper
99	100		
42	13.9	10.6	16.0
71	31.1	23.7	35.5

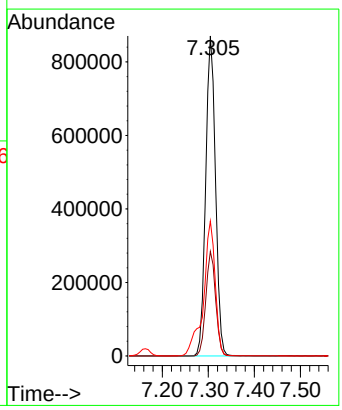


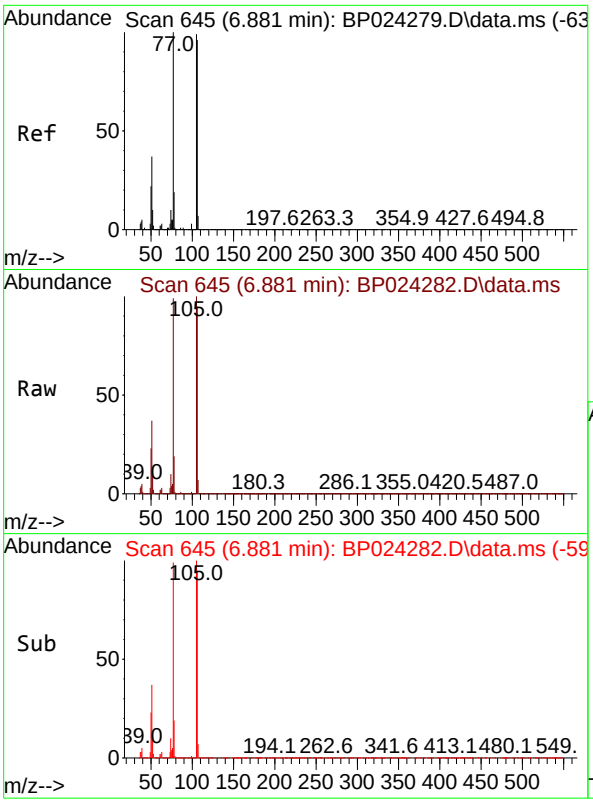


#8
2-Chlorophenol
Concen: 78.433 ng
RT: 7.305 min Scan# 717
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:128 Resp: 1299769

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.9	52.9
64	42.1	22.7	62.7



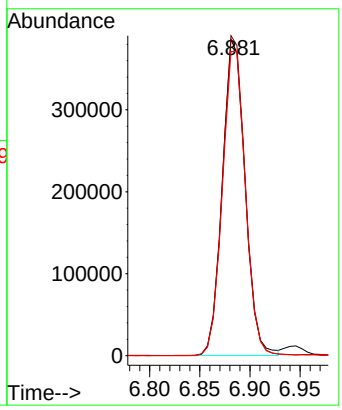


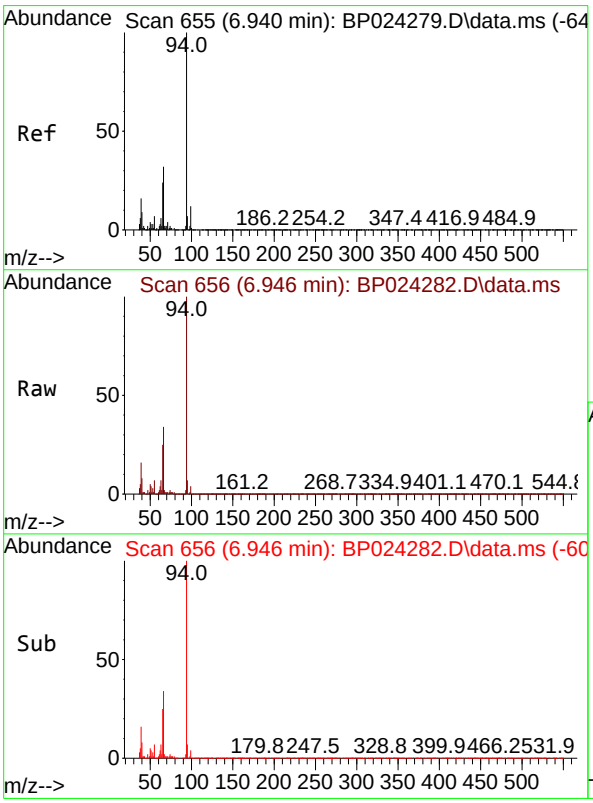
#9
Benzaldehyde
Concen: 57.891 ng
RT: 6.881 min Scan# 64
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 608272

Ion	Ratio	Lower	Upper
77	100		
105	101.2	79.2	119.2
106	96.2	76.2	116.2

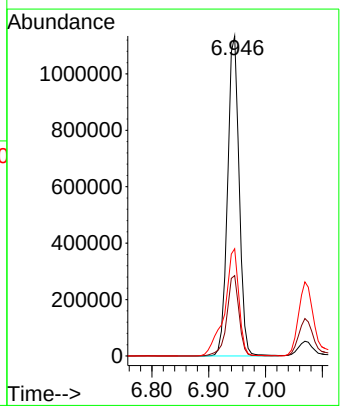


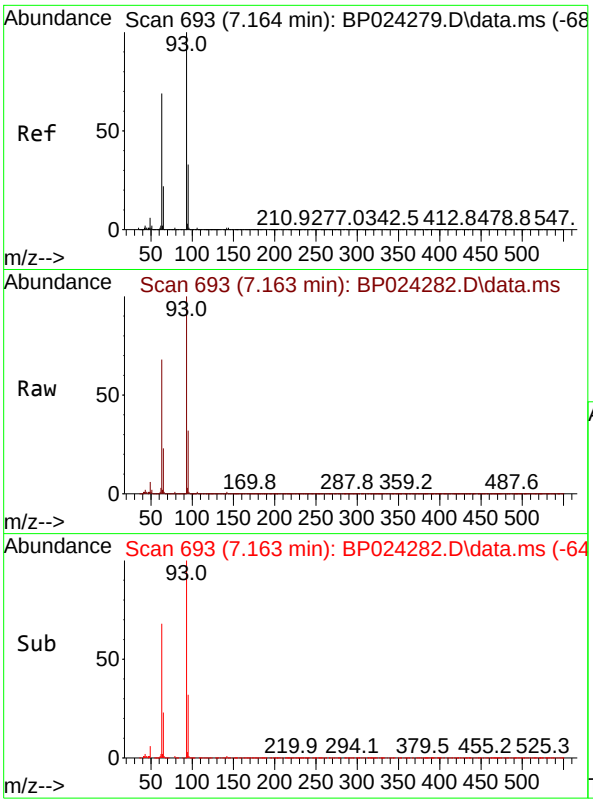


#10
Phenol
Concen: 78.944 ng
RT: 6.946 min Scan# 656
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion: 94 Resp: 1608027

Ion	Ratio	Lower	Upper
94	100		
65	25.1	4.5	44.5
66	33.5	12.4	52.4



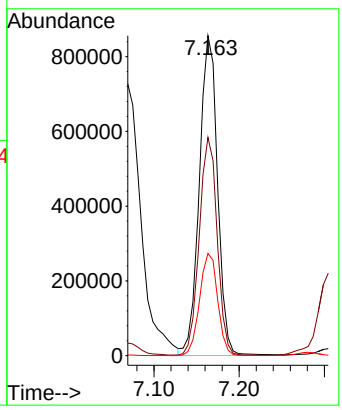


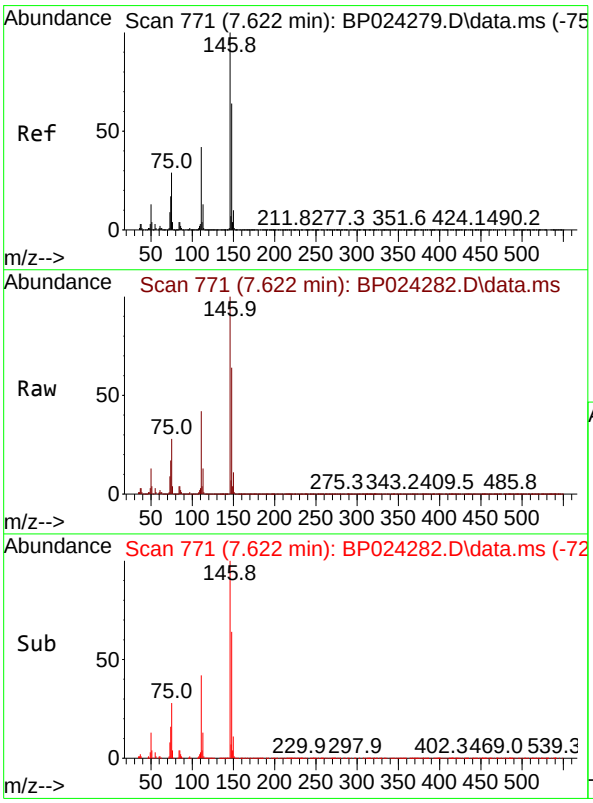
#11
bis(2-Chloroethyl)ether
Concen: 77.297 ng
RT: 7.163 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 1272327

Ion	Ratio	Lower	Upper
93	100		
63	68.2	48.6	88.6
95	31.9	12.3	52.3

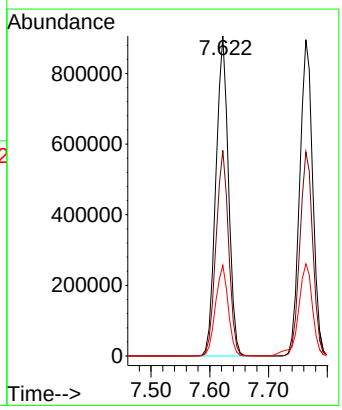


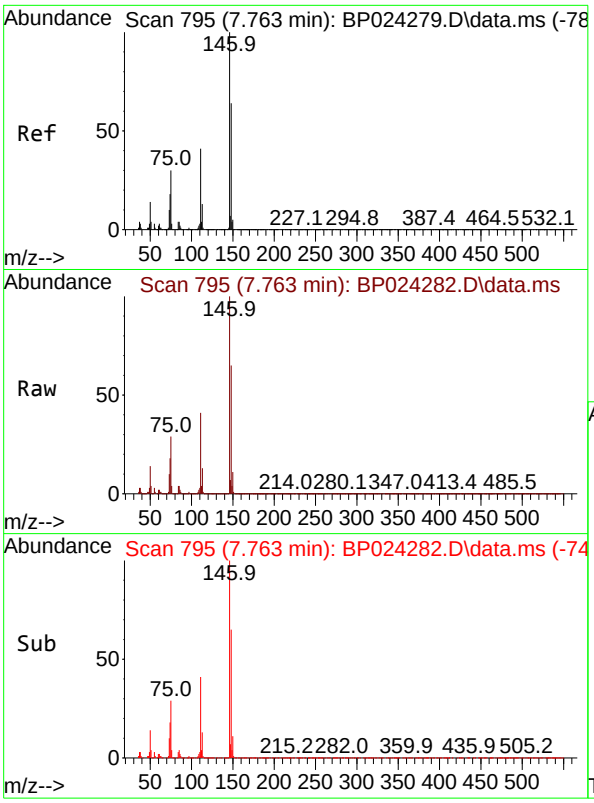


#12
1,3-Dichlorobenzene
Concen: 74.869 ng
RT: 7.622 min Scan# 771
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:146 Resp: 1344292

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.4	77.0
75	28.4	22.9	34.3



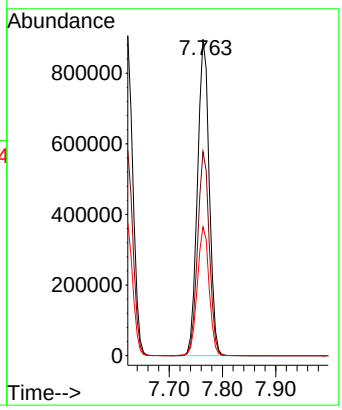


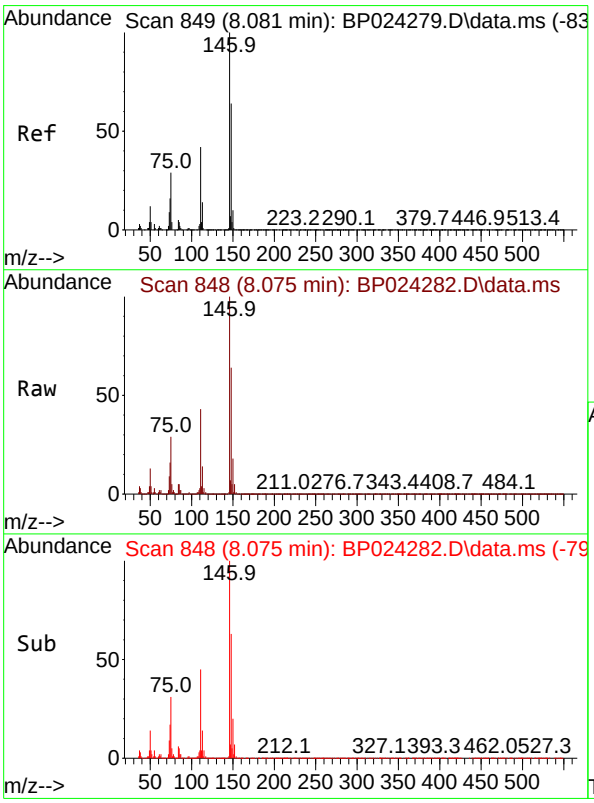
#13
1,4-Dichlorobenzene
Concen: 75.195 ng
RT: 7.763 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 1369087

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.1	76.7
111	40.7	32.6	48.8

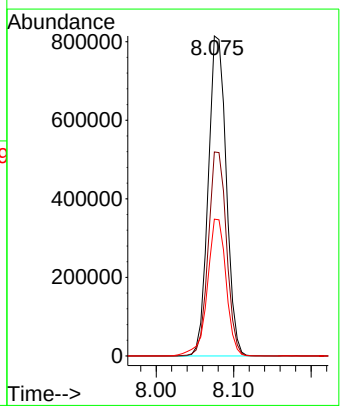


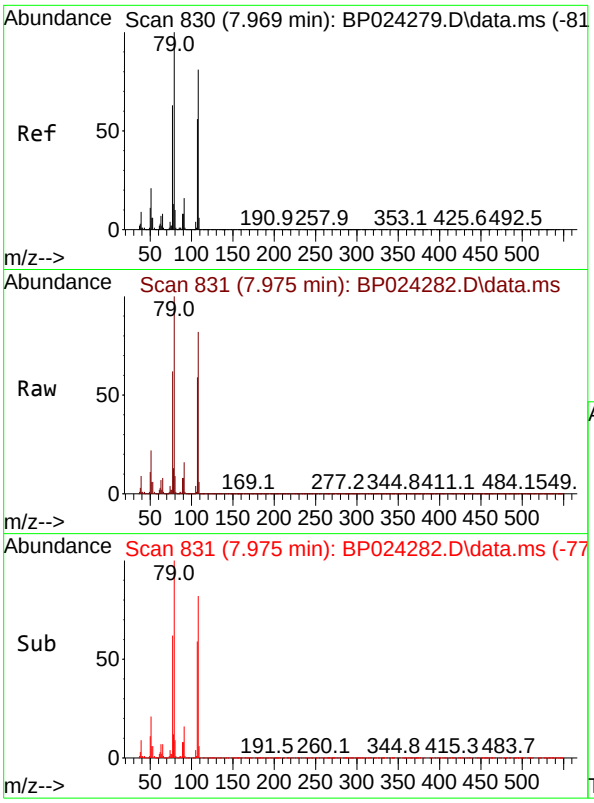


#14
1,2-Dichlorobenzene
Concen: 74.432 ng
RT: 8.075 min Scan# 848
Delta R.T. -0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:146 Resp: 1310407

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.4
111	42.7	33.8	50.8



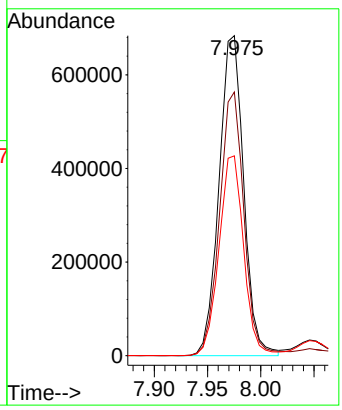


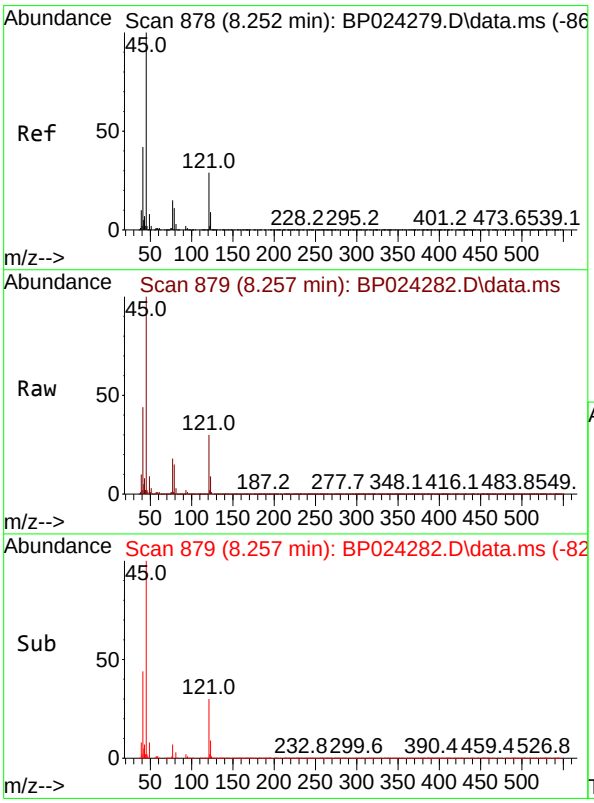
#15
Benzyl Alcohol
Concen: 84.492 ng
RT: 7.975 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 1098602

Ion	Ratio	Lower	Upper
79	100		
108	82.4	65.1	97.7
77	62.4	50.7	76.1

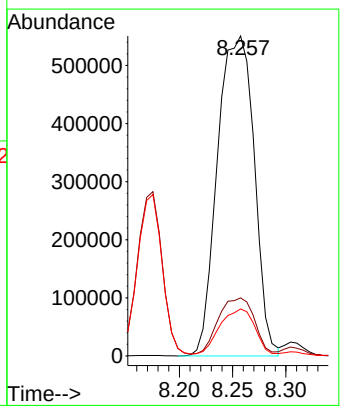


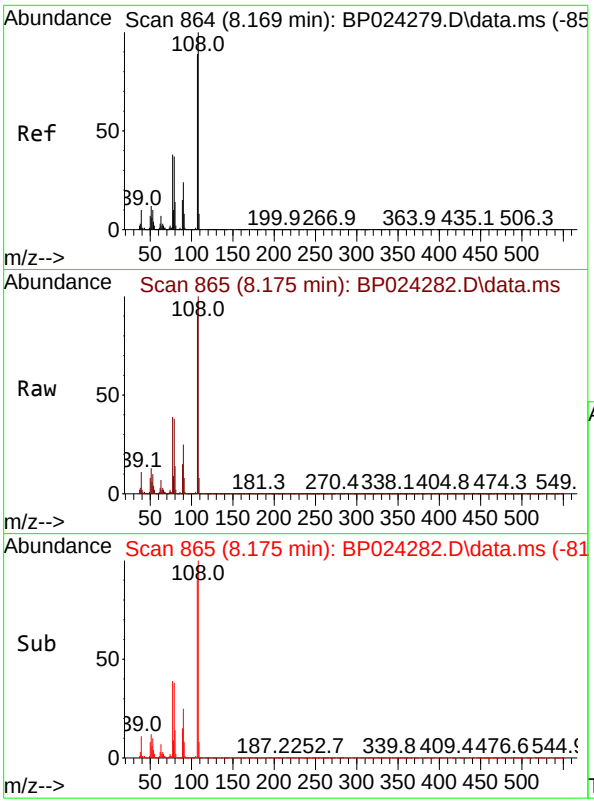


#16
2,2'-oxybis(1-Chloropropane)
Concen: 73.704 ng
RT: 8.257 min Scan# 879
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion: 45 Resp: 1319830

Ion	Ratio	Lower	Upper
45	100		
77	18.1	0.0	37.7
79	14.7	0.0	33.5



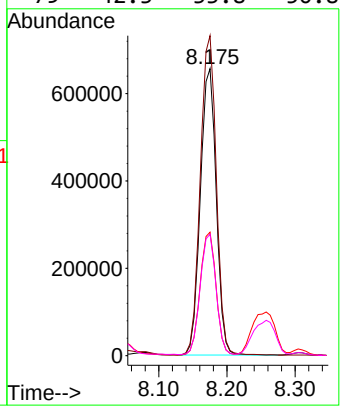


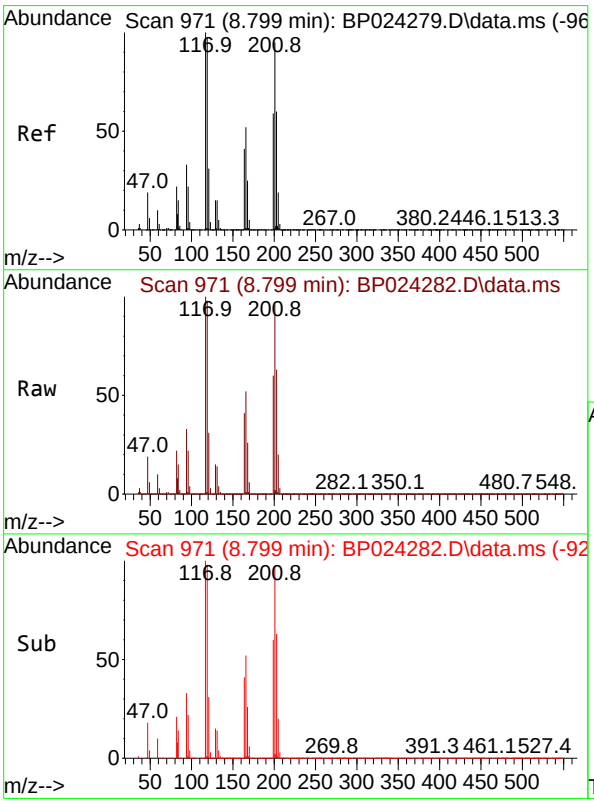
#17
2-Methylphenol
Concen: 81.101 ng
RT: 8.175 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 1064555

Ion	Ratio	Lower	Upper
107	100		
108	111.5	89.8	134.6
77	43.0	34.2	51.4
79	42.3	33.8	50.8

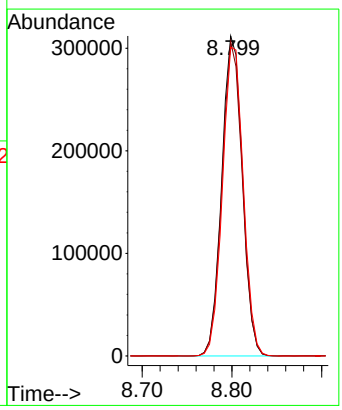


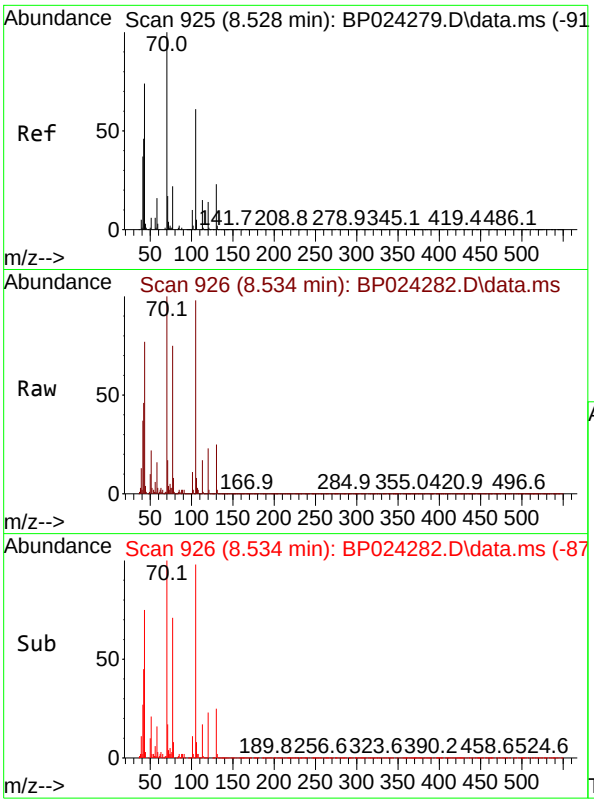


#18
Hexachloroethane
Concen: 75.920 ng
RT: 8.799 min Scan# 971
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:117 Resp: 498897

Ion	Ratio	Lower	Upper
117	100		
119	98.3	77.8	116.6
201	96.5	75.9	113.9



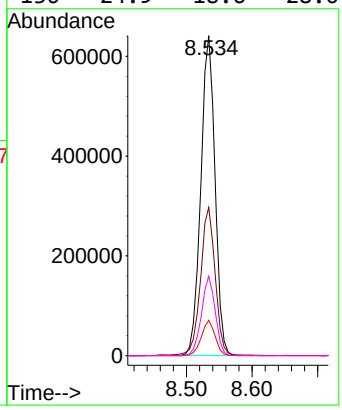


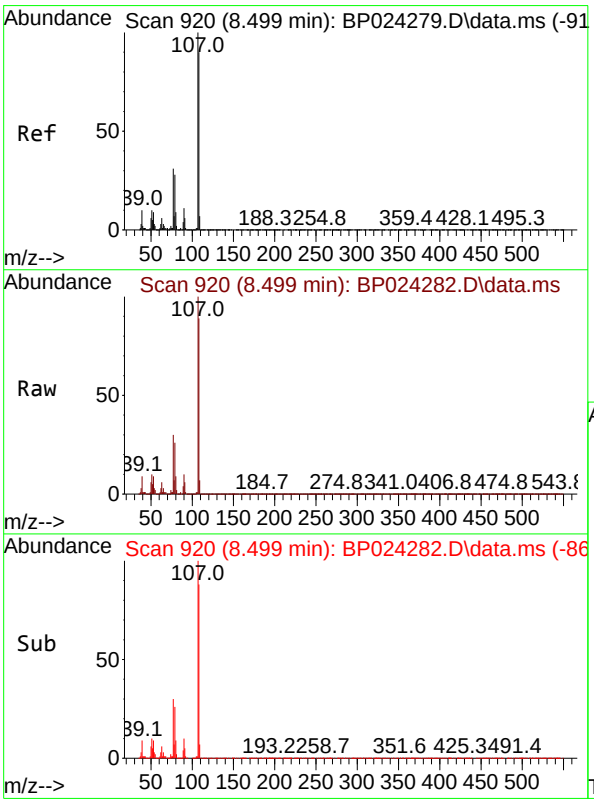
#19
n-Nitroso-di-n-propylamine
Concen: 76.844 ng
RT: 8.534 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 70 Resp: 968278

Ion	Ratio	Lower	Upper
70	100		
42	46.3	37.3	55.9
101	11.0	8.2	12.4
130	24.9	18.6	28.0

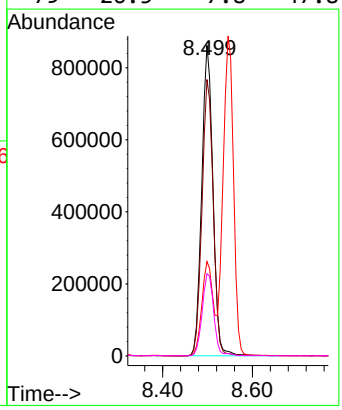


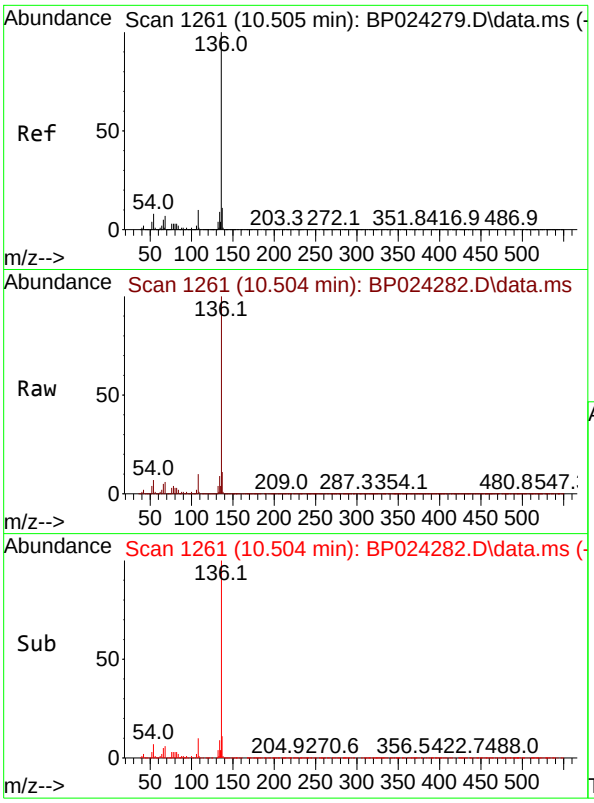


#20
3+4-Methylphenols
Concen: 82.092 ng
RT: 8.499 min Scan# 920
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:107 Resp: 1492527

Ion	Ratio	Lower	Upper
107	100		
108	89.0	69.8	109.8
77	30.4	11.5	51.5
79	26.5	7.8	47.8



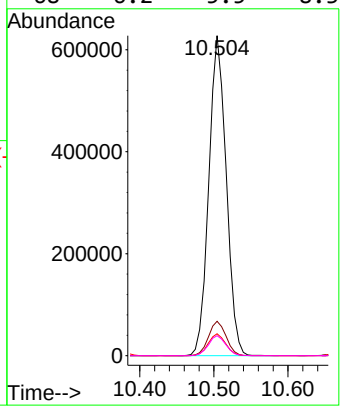


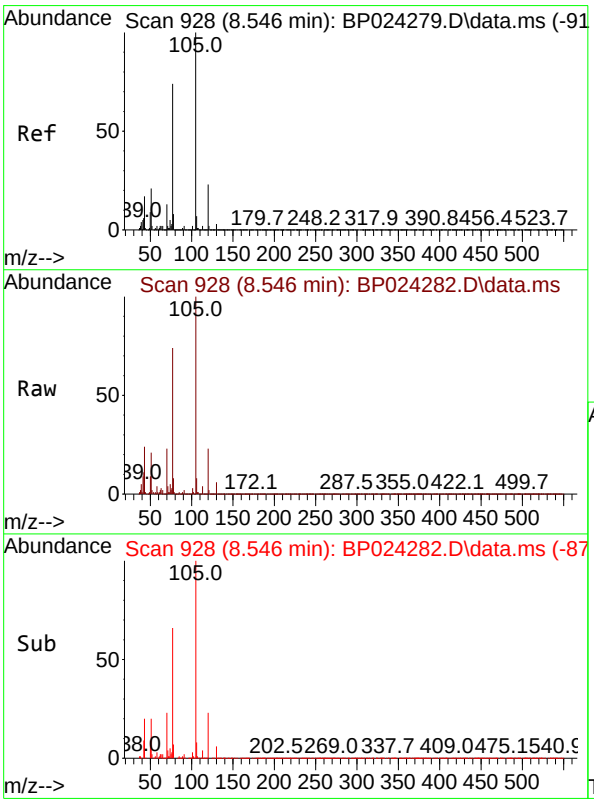
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.504 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:136 Resp: 1024316

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	6.9	6.0	9.0
68	6.2	5.5	8.3

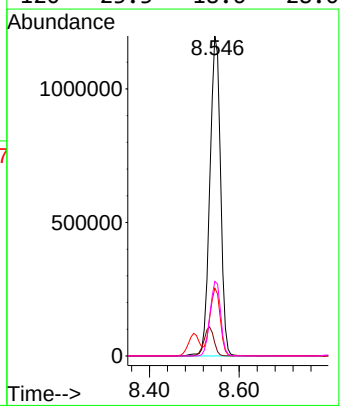


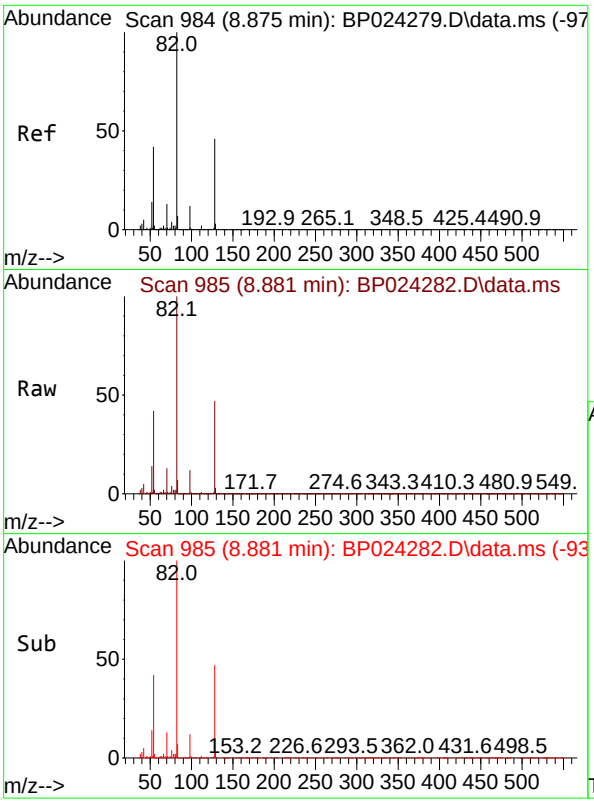


#22
Acetophenone
Concen: 77.680 ng
RT: 8.546 min Scan# 928
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:105 Resp: 1977578

Ion	Ratio	Lower	Upper
105	100		
71	4.0	1.7	2.5#
51	21.2	16.9	25.3
120	23.3	18.6	28.0



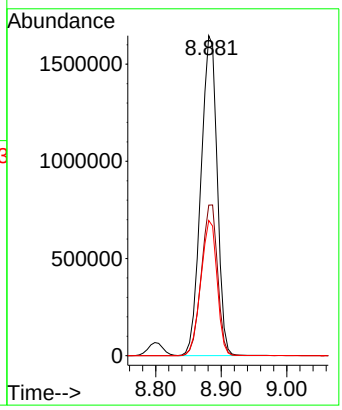


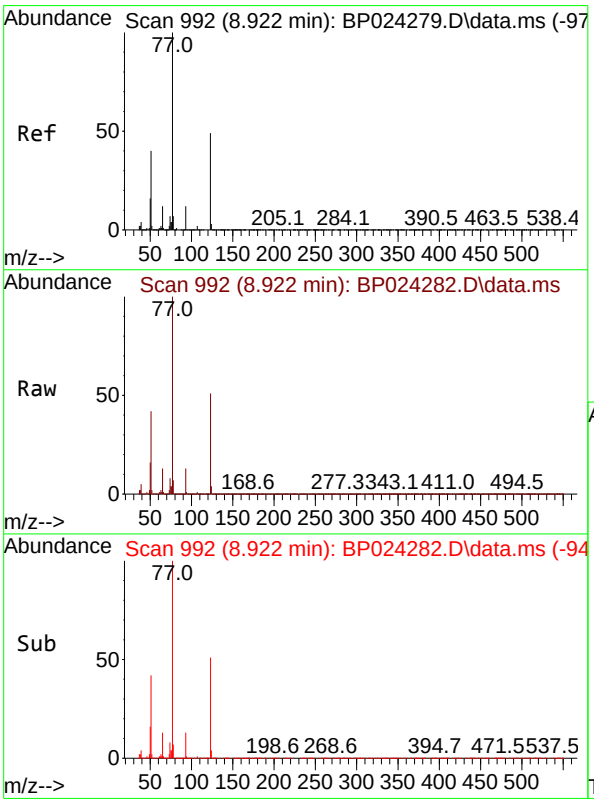
#23
Nitrobenzene-d5
Concen: 158.236 ng
RT: 8.881 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 2847003

Ion	Ratio	Lower	Upper
82	100		
128	47.0	36.5	54.7
54	42.3	33.4	50.2

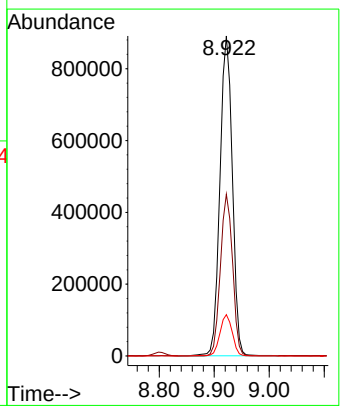


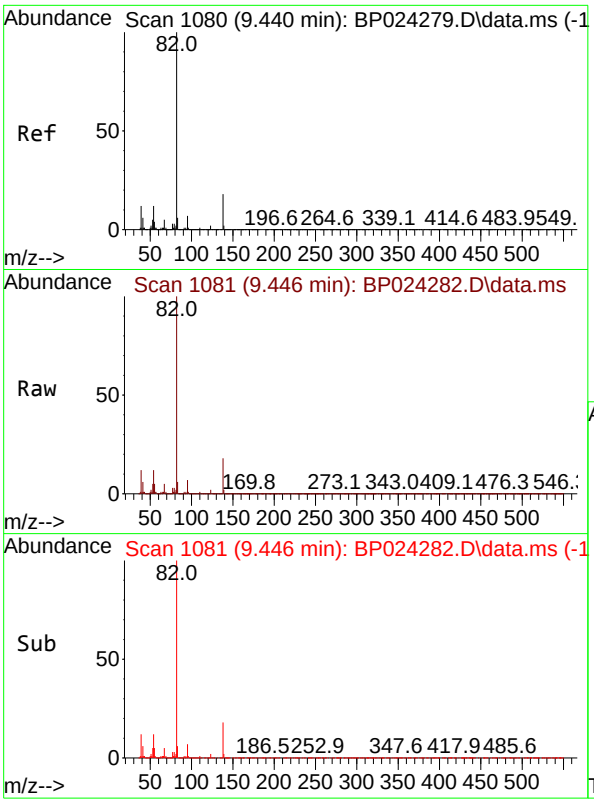


#24
Nitrobenzene
Concen: 78.066 ng
RT: 8.922 min Scan# 992
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion: 77 Resp: 1392093

Ion	Ratio	Lower	Upper
77	100		
123	50.5	39.2	58.8
65	12.9	9.8	14.6



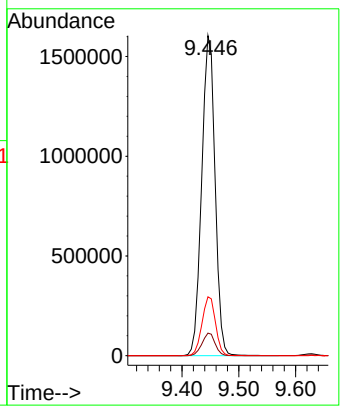


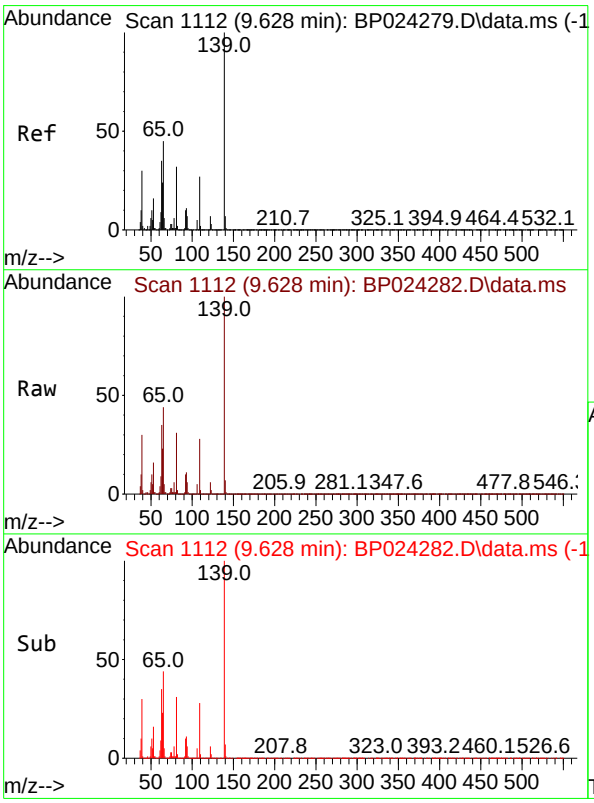
#25
Isophorone
Concen: 80.596 ng
RT: 9.446 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 2617853

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.4	8.2
138	18.4	14.4	21.6

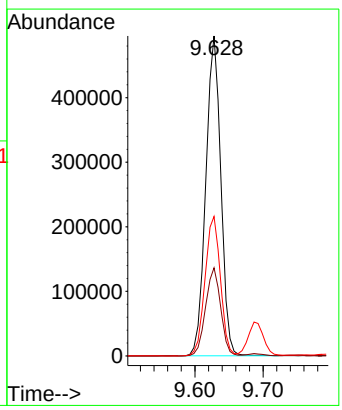


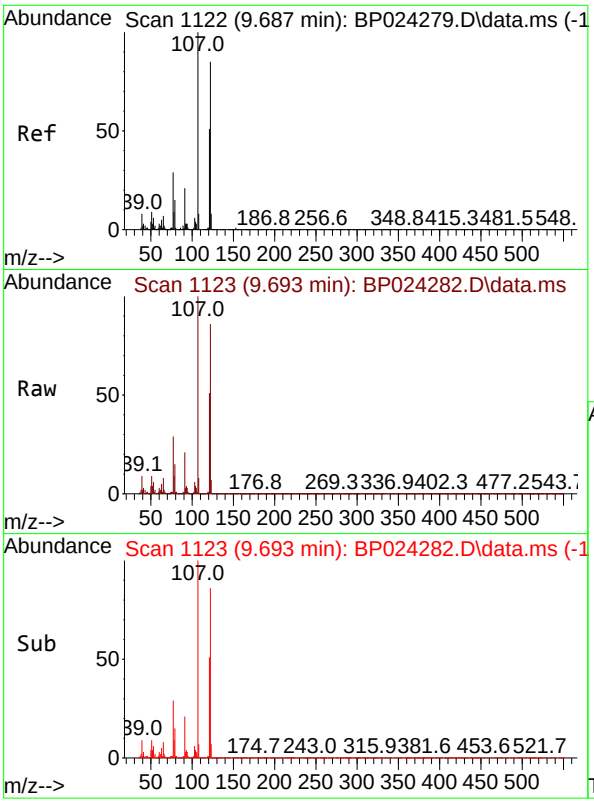


#26
2-Nitrophenol
Concen: 88.768 ng
RT: 9.628 min Scan# 1112
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:139 Resp: 760077

Ion	Ratio	Lower	Upper
139	100		
109	27.5	21.8	32.6
65	43.6	36.2	54.2



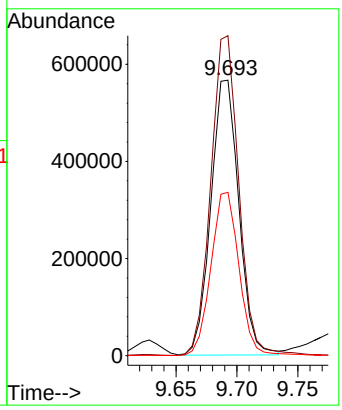


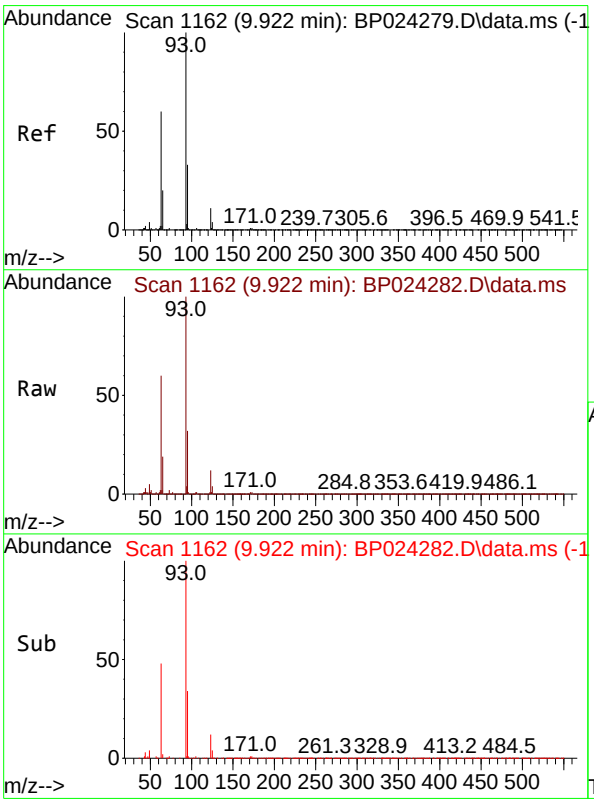
#27
2,4-Dimethylphenol
Concen: 83.475 ng
RT: 9.693 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 905891

Ion	Ratio	Lower	Upper
122	100		
107	116.1	93.7	140.5
121	59.3	48.2	72.2

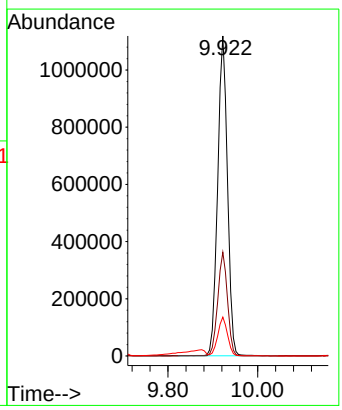


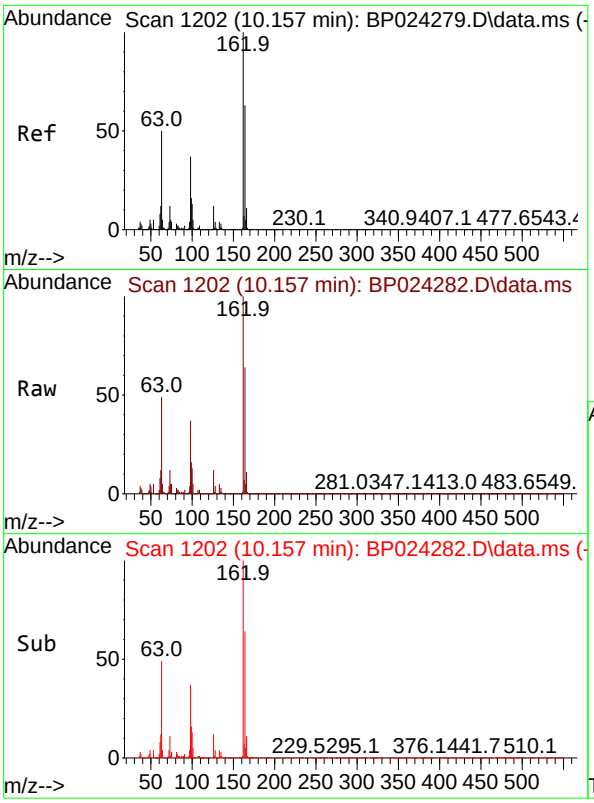


#28
bis(2-Chloroethoxy)methane
Concen: 76.434 ng
RT: 9.922 min Scan# 1162
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion: 93 Resp: 1689686

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.0	39.0
123	12.2	9.1	13.7



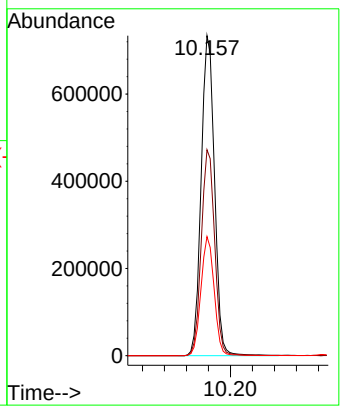


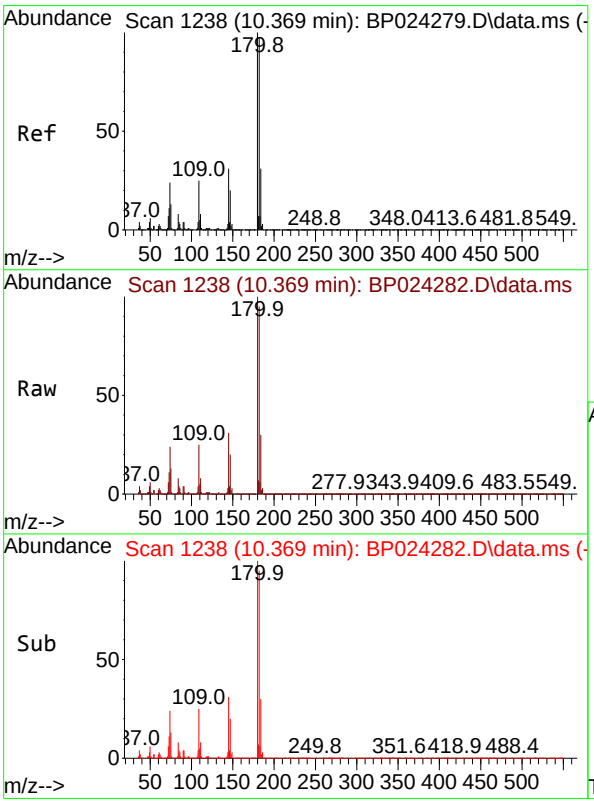
#29
2,4-Dichlorophenol
Concen: 83.719 ng
RT: 10.157 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 1238253

Ion	Ratio	Lower	Upper
162	100		
164	64.3	43.3	83.3
98	37.2	16.6	56.6

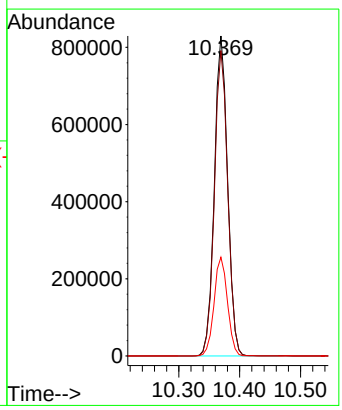


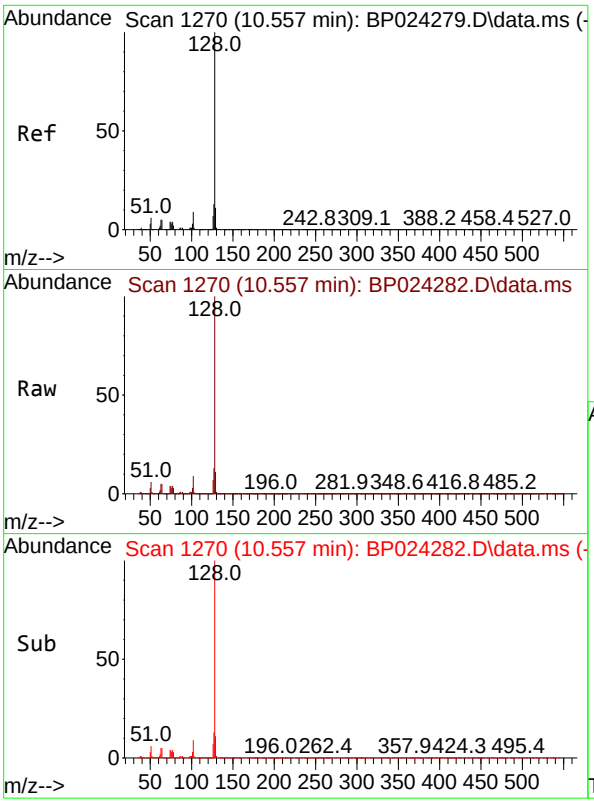


#30
1,2,4-Trichlorobenzene
Concen: 78.272 ng
RT: 10.369 min Scan# 1238
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:180 Resp: 1252476

Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.3	115.9
145	30.9	25.1	37.7



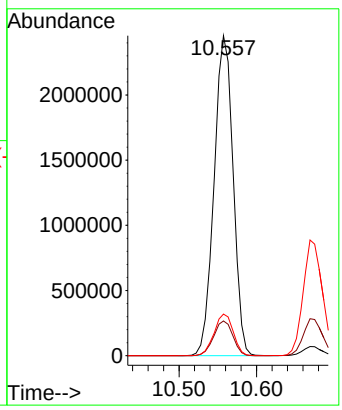


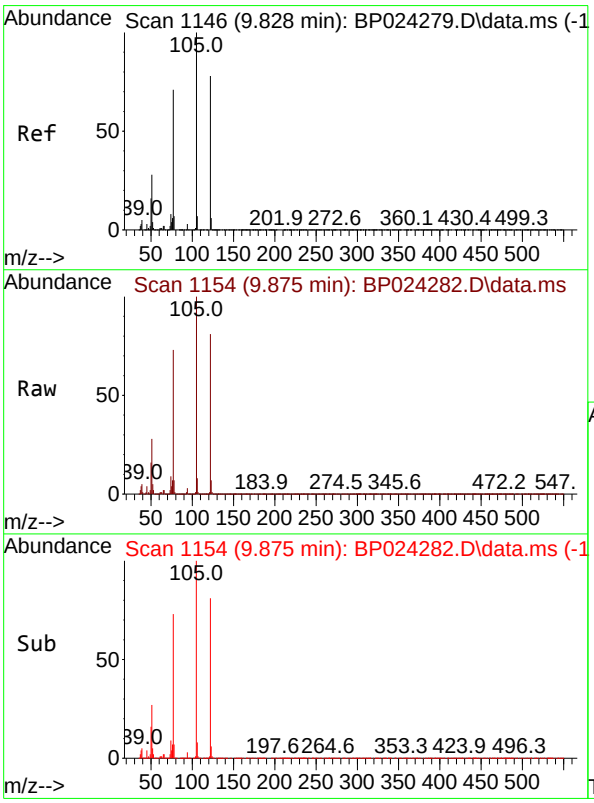
#31
Naphthalene
Concen: 77.287 ng
RT: 10.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:128 Resp: 4190486

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	13.0	10.3	15.5

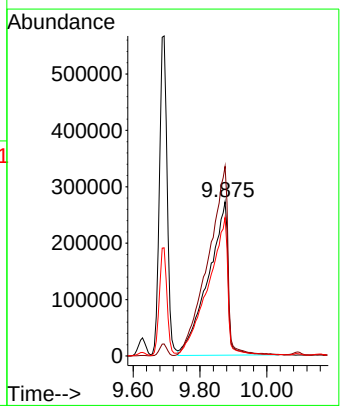


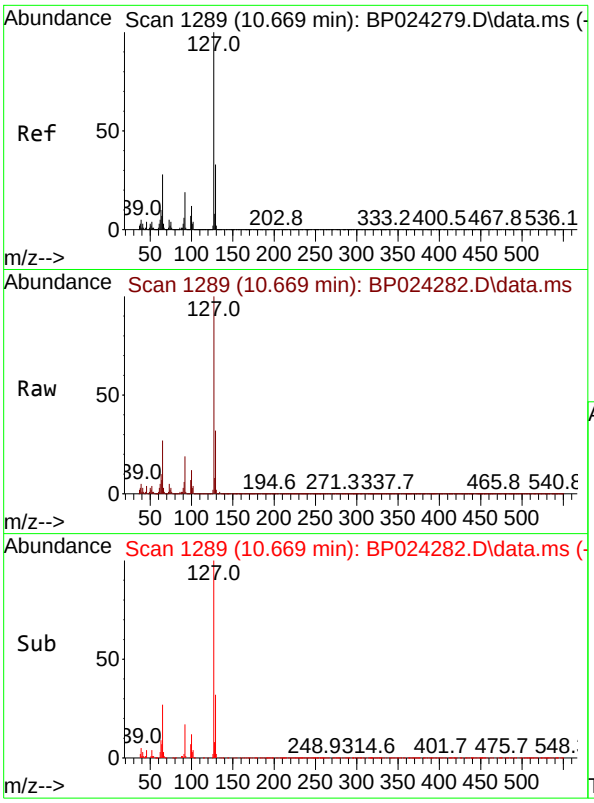


#32
Benzoic acid
Concen: 95.735 ng
RT: 9.875 min Scan# 1154
Delta R.T. 0.047 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:122 Resp: 1122706

Ion	Ratio	Lower	Upper
122	100		
105	122.9	104.8	144.8
77	89.8	69.2	109.2



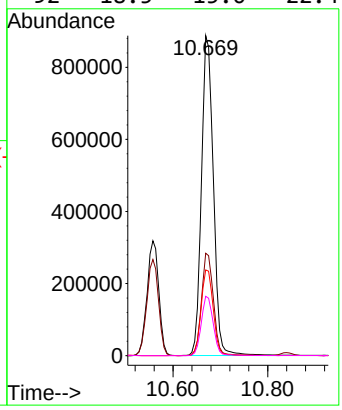


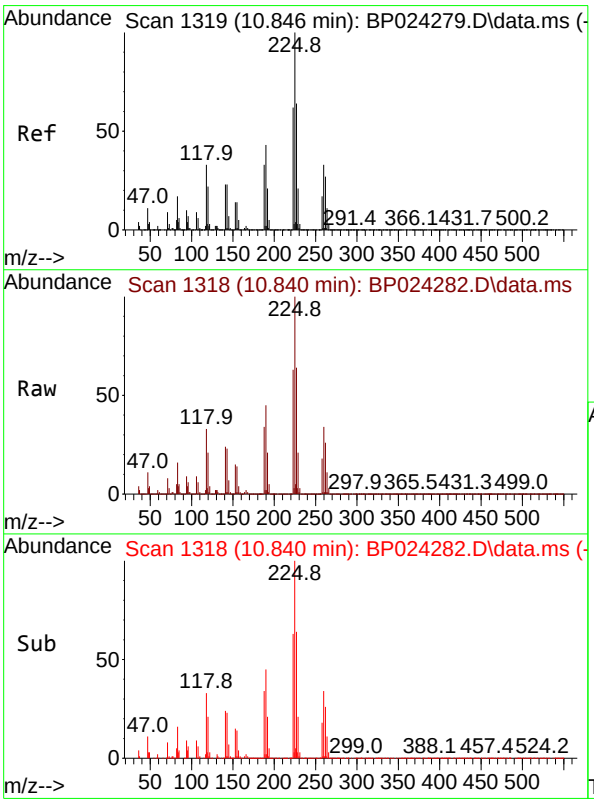
#33
4-Chloroaniline
Concen: 81.682 ng
RT: 10.669 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:127 Resp: 1547427

Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.1	39.1
65	26.8	22.1	33.1
92	18.5	15.0	22.4

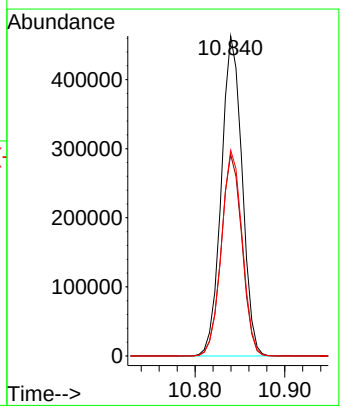


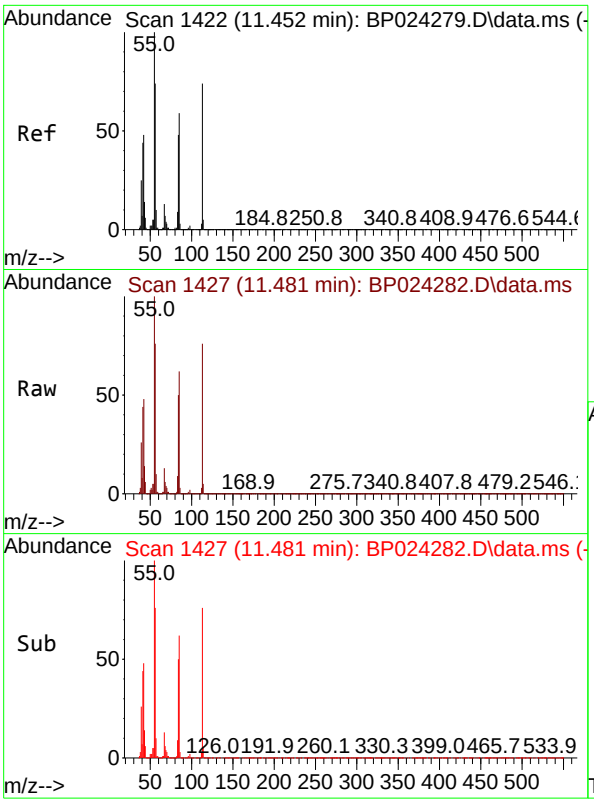


#34
Hexachlorobutadiene
Concen: 79.240 ng
RT: 10.840 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:225 Resp: 743811

Ion	Ratio	Lower	Upper
225	100		
223	63.0	49.5	74.3
227	64.3	50.9	76.3



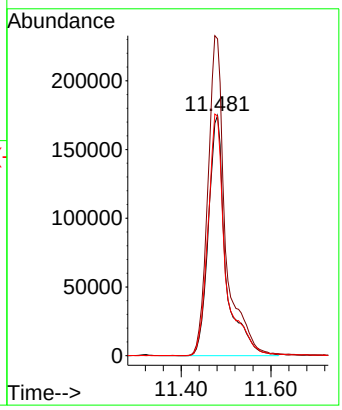


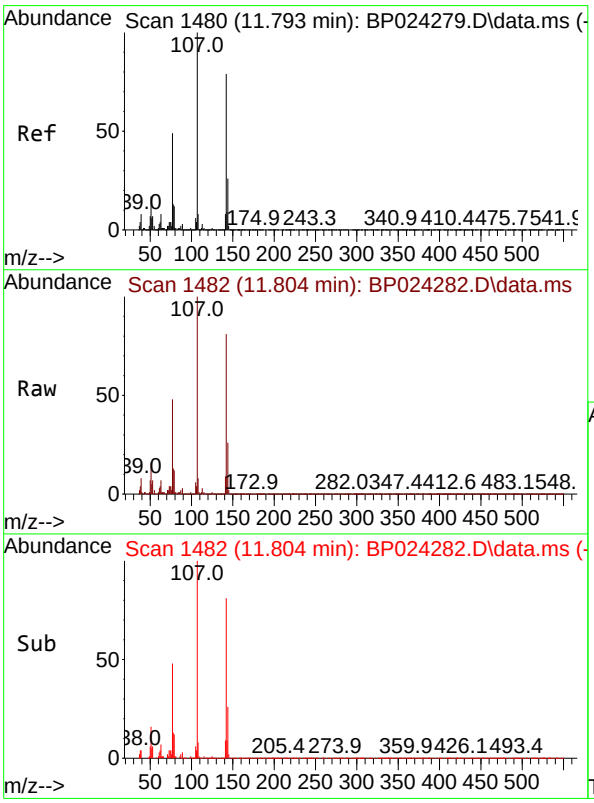
#35
Caprolactam
Concen: 86.534 ng
RT: 11.481 min Scan# 14
Delta R.T. 0.029 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:113 Resp: 469910

Ion	Ratio	Lower	Upper
113	100		
55	131.9	115.9	155.9
56	99.8	81.1	121.1

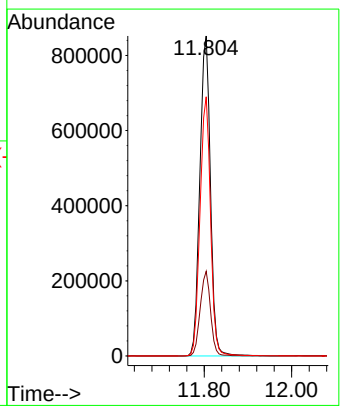


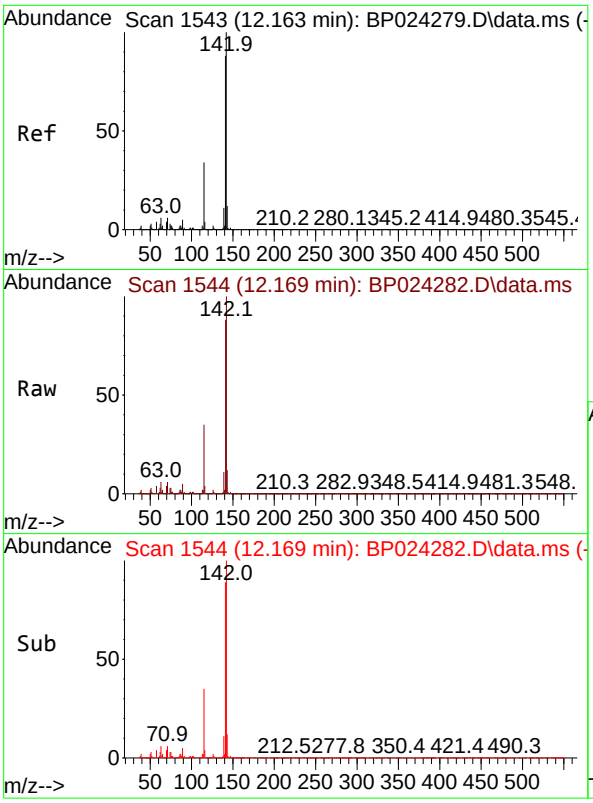


#36
4-Chloro-3-methylphenol
Concen: 83.468 ng
RT: 11.804 min Scan# 1482
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:107 Resp: 1438601

Ion	Ratio	Lower	Upper
107	100		
144	26.4	20.5	30.7
142	81.0	63.4	95.2



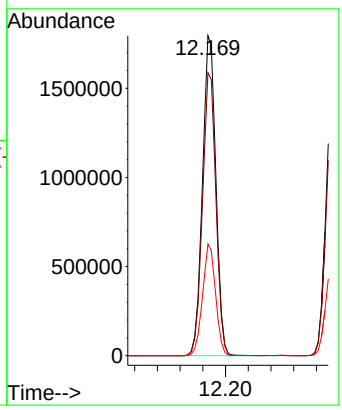


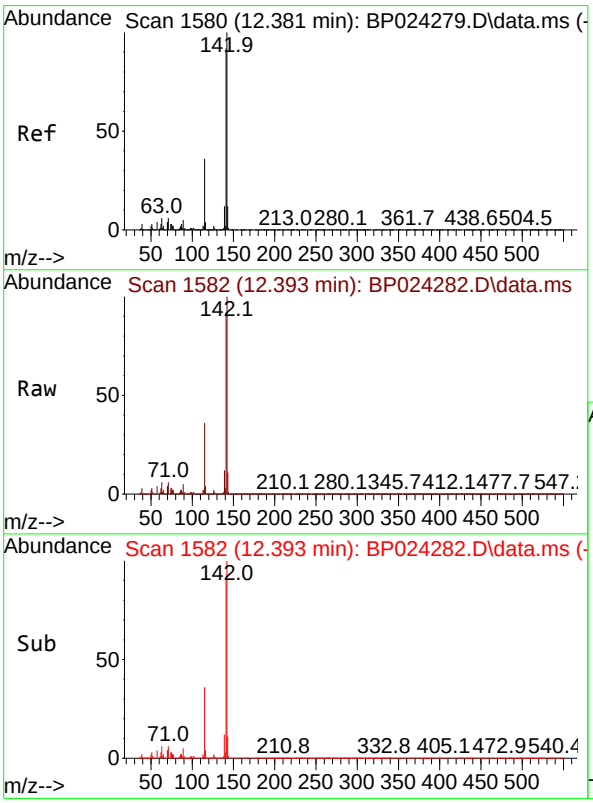
#37
2-Methylnaphthalene
Concen: 77.673 ng
RT: 12.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 2918685

Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.3	105.5
115	34.9	26.9	40.3

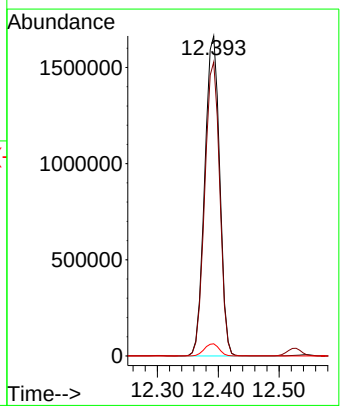


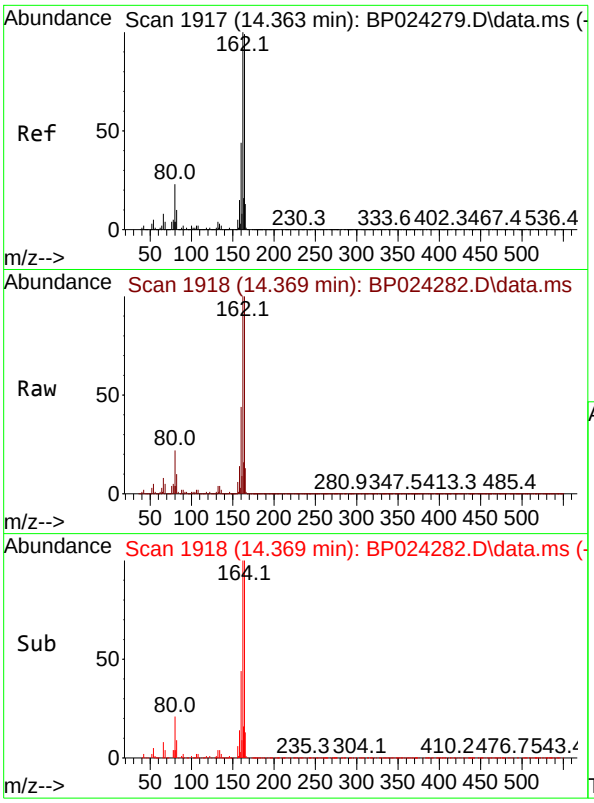


#38
1-Methylnaphthalene
Concen: 76.912 ng
RT: 12.393 min Scan# 1582
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:142 Resp: 2831173

Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.6	110.4
116	3.8	3.0	4.6



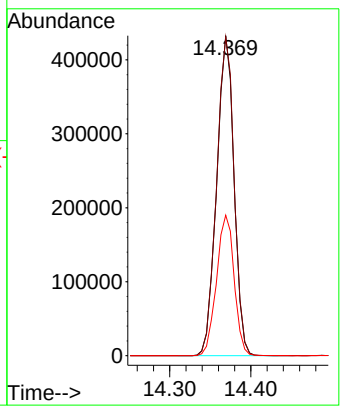


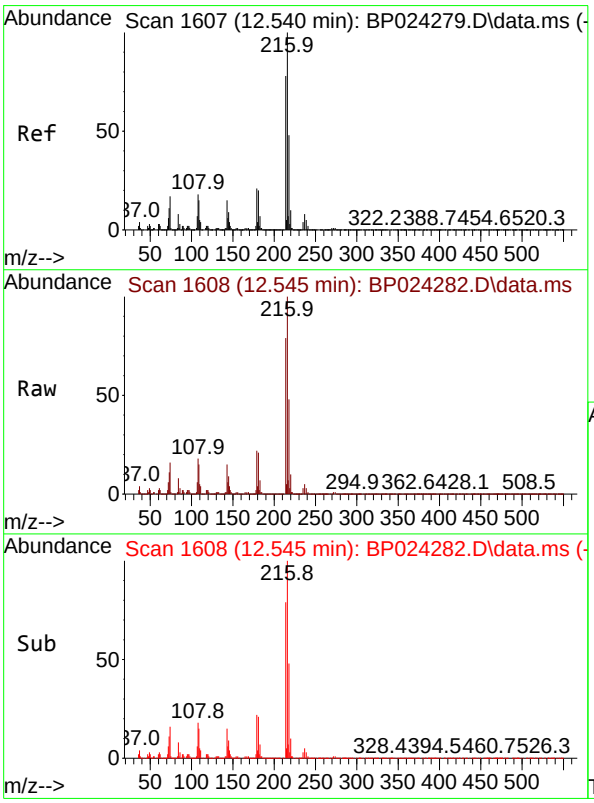
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.369 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:164 Resp: 641442

Ion	Ratio	Lower	Upper
164	100		
162	99.6	80.6	120.8
160	43.9	35.3	52.9

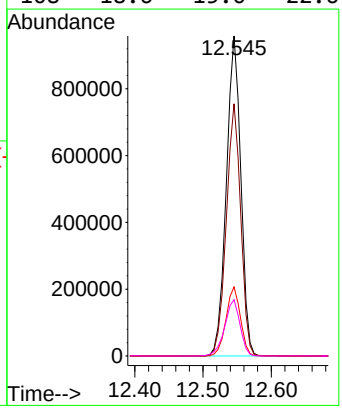


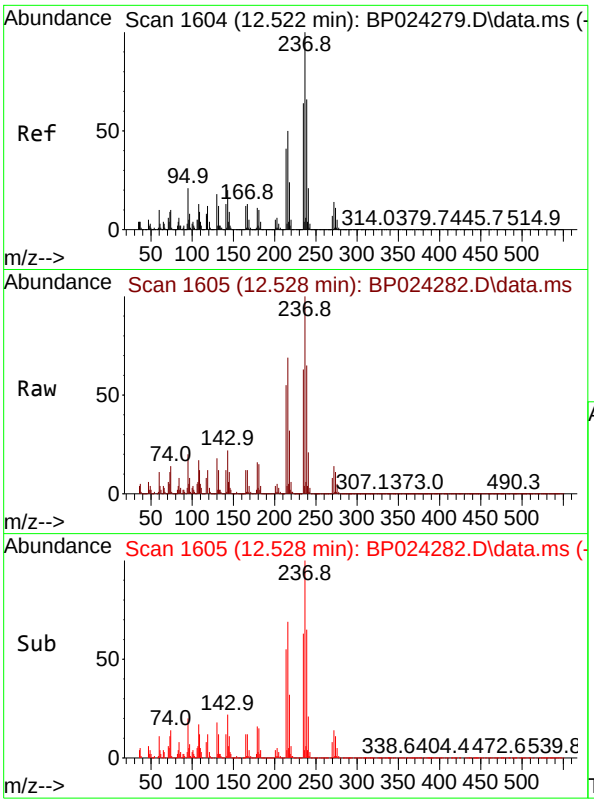


#40
1,2,4,5-Tetrachlorobenzene
Concen: 80.378 ng
RT: 12.545 min Scan# 1608
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:216 Resp: 1416894

Ion	Ratio	Lower	Upper
216	100		
214	78.4	62.6	93.8
179	21.5	17.2	25.8
108	18.6	15.0	22.6



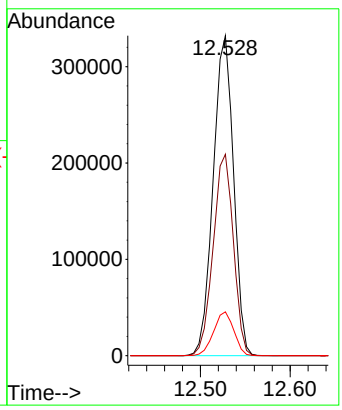


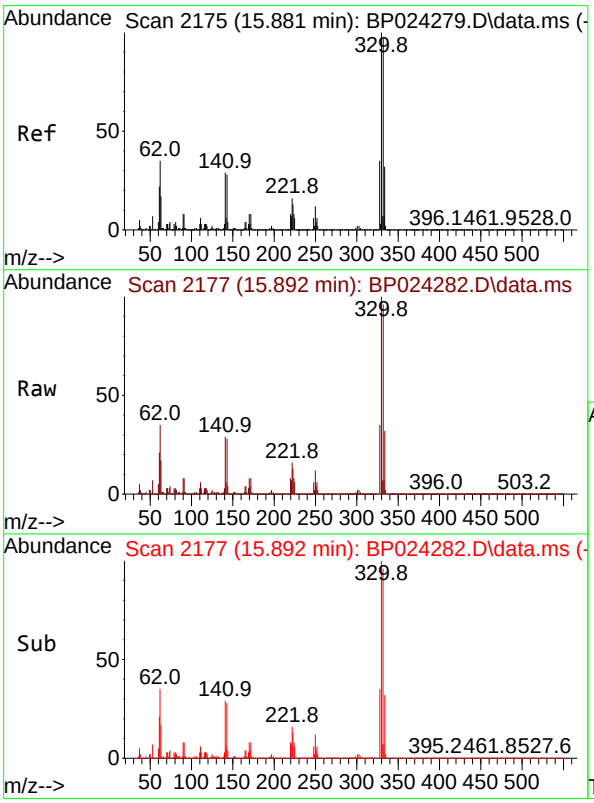
#41
Hexachlorocyclopentadiene
Concen: 84.532 ng
RT: 12.528 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:237 Resp: 523136

Ion	Ratio	Lower	Upper
237	100		
235	62.9	43.9	83.9
272	13.7	0.0	33.6

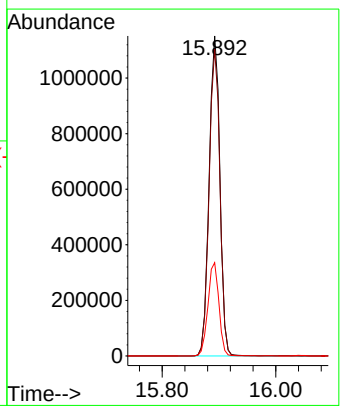


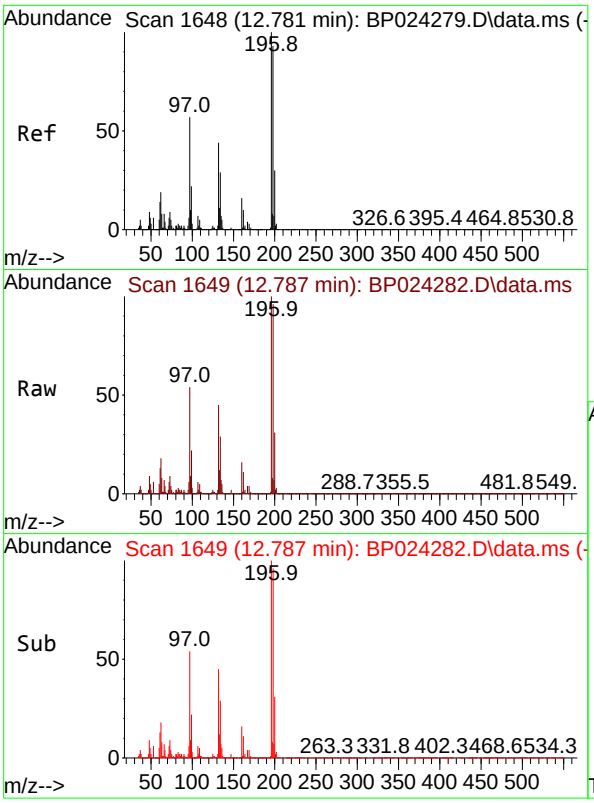


#42
2,4,6-Tribromophenol
Concen: 171.633 ng
RT: 15.892 min Scan# 2177
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:330 Resp: 1507534

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.1	115.7
141	29.7	24.7	37.1



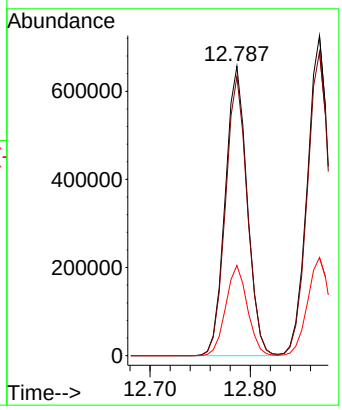


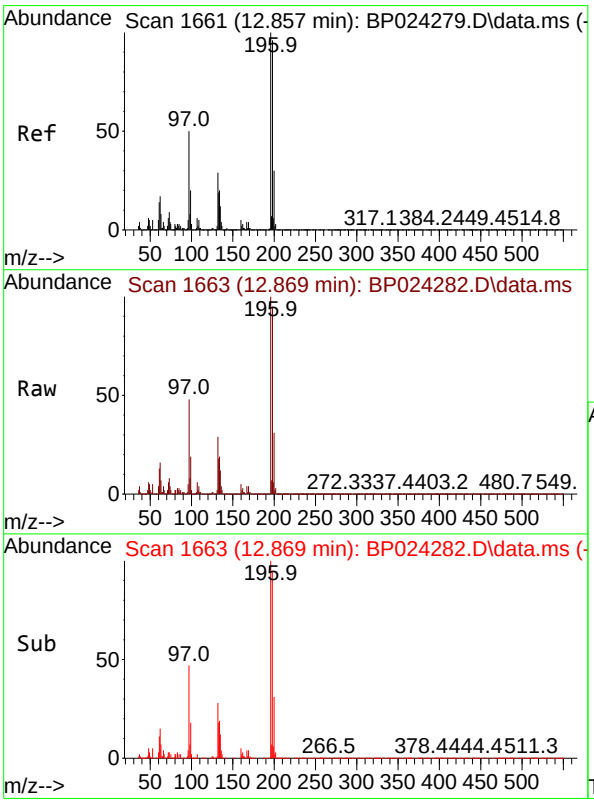
#43
2,4,6-Trichlorophenol
Concen: 86.244 ng
RT: 12.787 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:196 Resp: 1000309

Ion	Ratio	Lower	Upper
196	100		
198	96.5	74.3	111.5
200	31.2	24.0	36.0

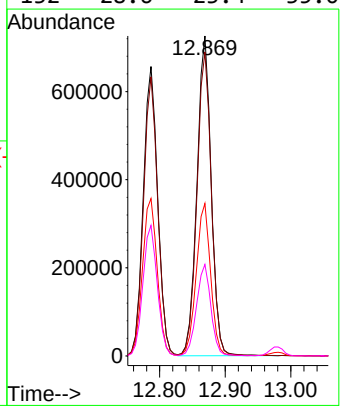


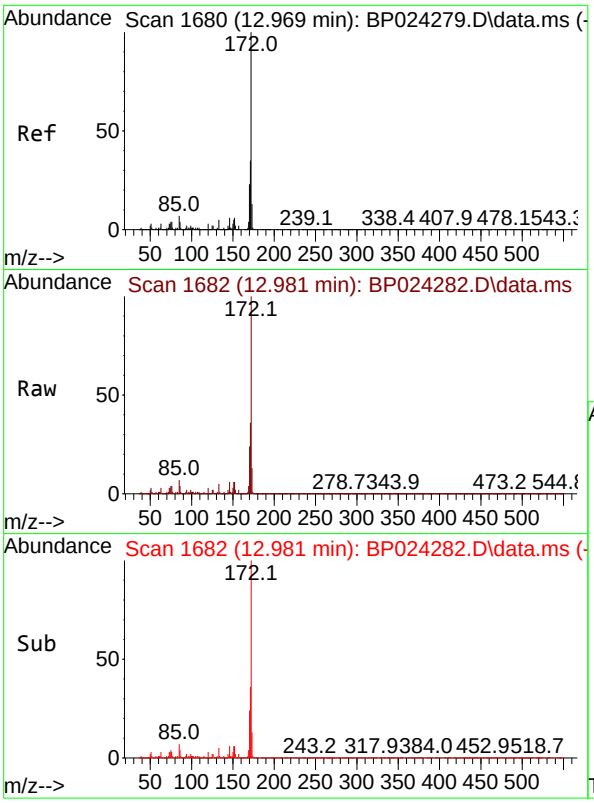


#44
2,4,5-Trichlorophenol
Concen: 85.819 ng
RT: 12.869 min Scan# 1663
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:196 Resp: 1103073

Ion	Ratio	Lower	Upper
196	100		
198	95.0	77.3	115.9
97	47.7	40.4	60.6
132	28.6	23.4	35.0



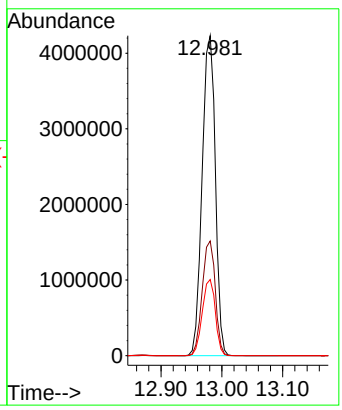


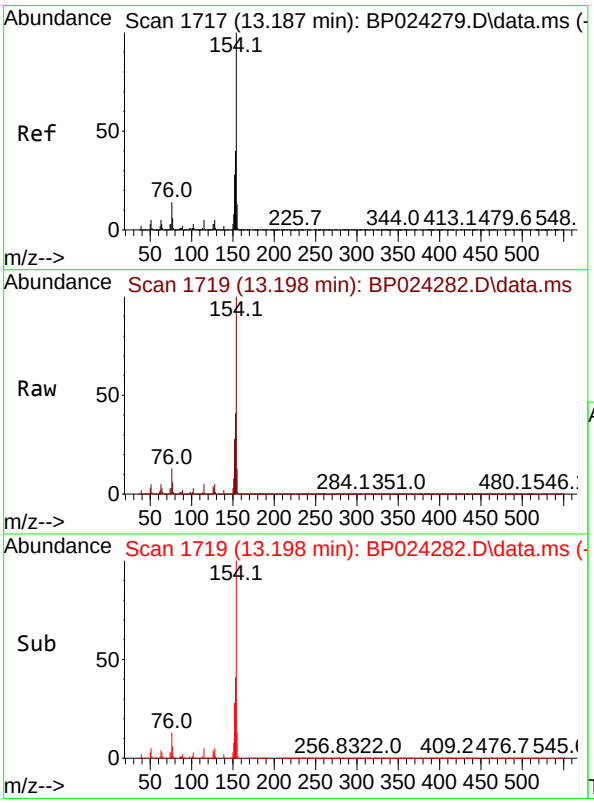
#45
2-Fluorobiphenyl
Concen: 150.596 ng
RT: 12.981 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:172 Resp: 6362479

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.2	42.2
170	23.8	18.6	27.8

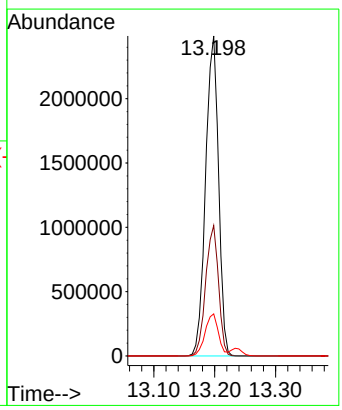


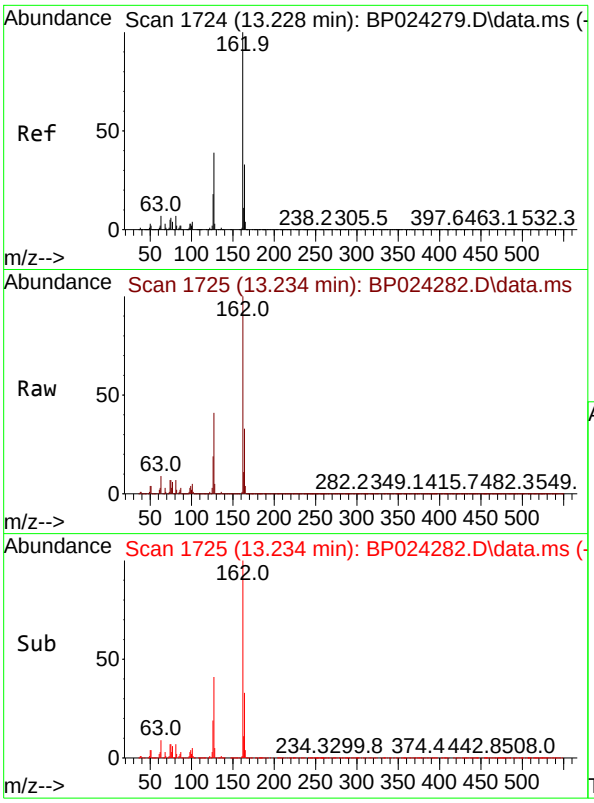


#46
1,1'-Biphenyl
Concen: 77.381 ng
RT: 13.198 min Scan# 1719
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:154 Resp: 3665607

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.3	60.3
76	13.2	0.0	33.5



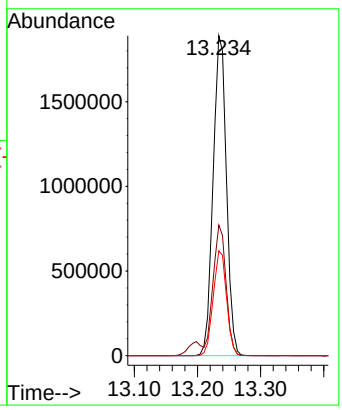


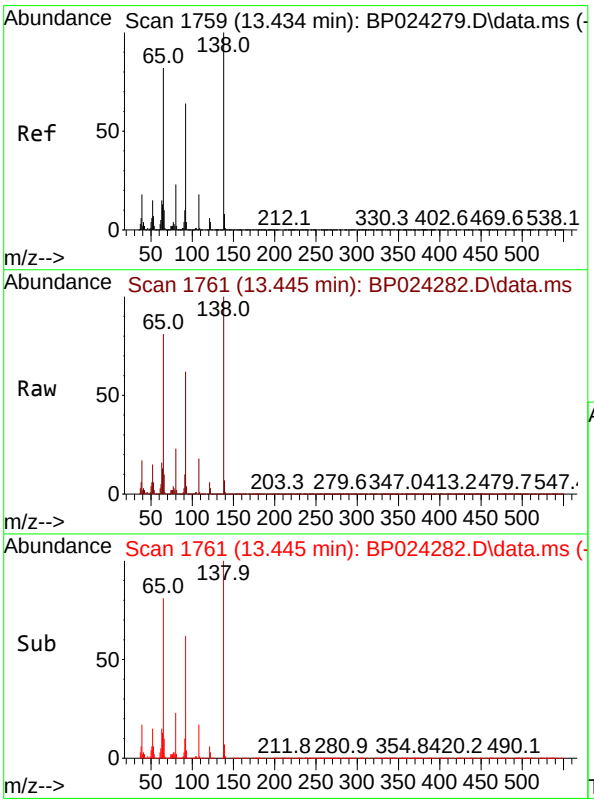
#47
2-Chloronaphthalene
Concen: 78.257 ng
RT: 13.234 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 2766302

Ion	Ratio	Lower	Upper
162	100		
127	40.9	31.9	47.9
164	32.8	26.2	39.4

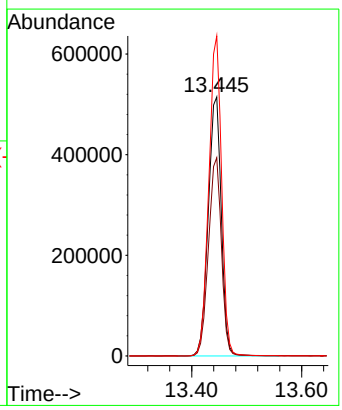


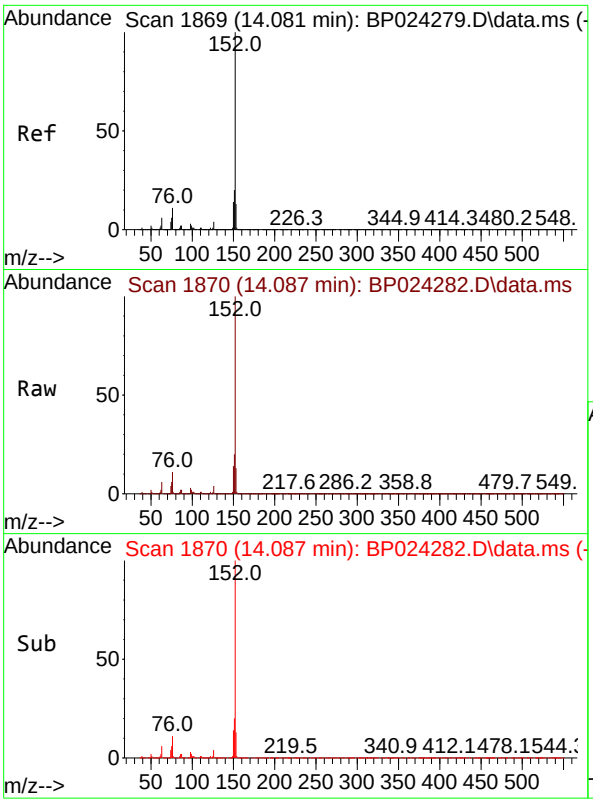


#48
2-Nitroaniline
Concen: 86.912 ng
RT: 13.445 min Scan# 1761
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion: 65 Resp: 848619

Ion	Ratio	Lower	Upper
65	100		
92	76.5	62.3	93.5
138	123.5	97.2	145.8



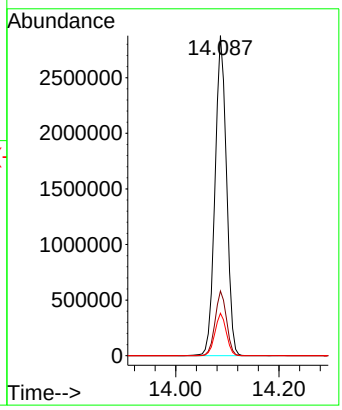


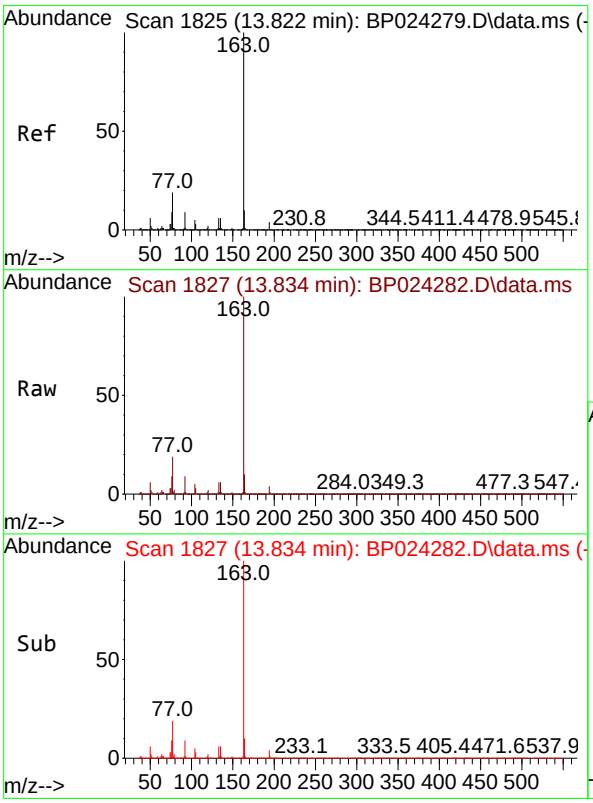
#49
Acenaphthylene
Concen: 80.004 ng
RT: 14.087 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 4438648

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.9	23.9
153	13.2	10.6	15.8

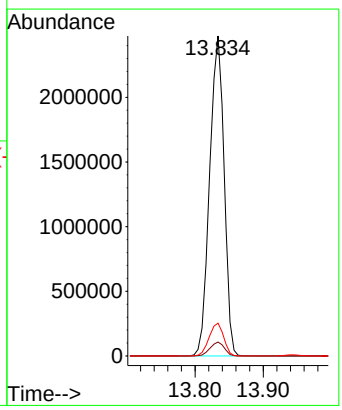


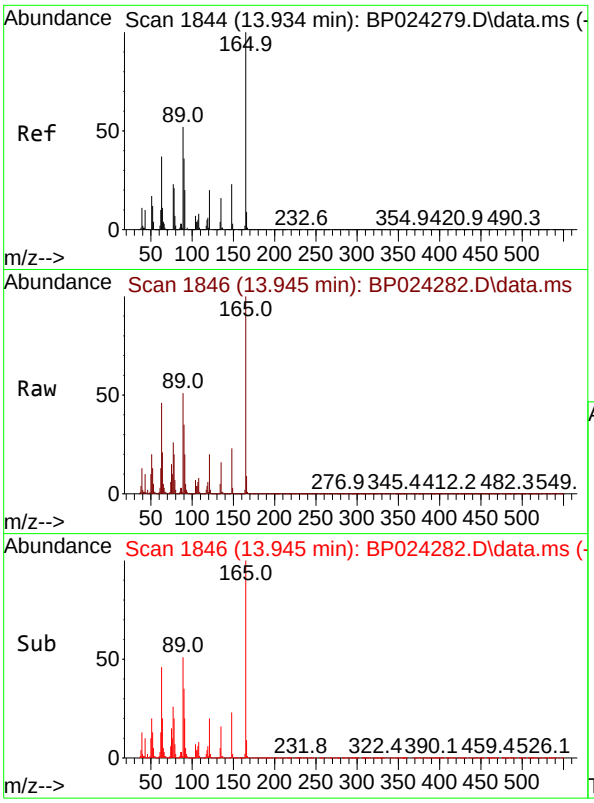


#50
Dimethylphthalate
Concen: 78.201 ng
RT: 13.834 min Scan# 1827
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:163 Resp: 3659579

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	10.3	8.0	12.0



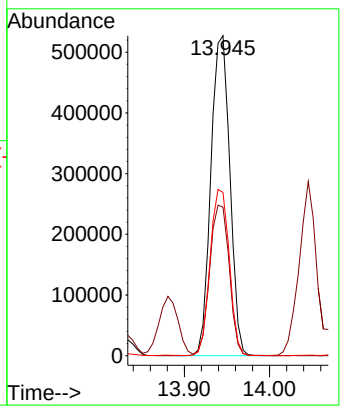


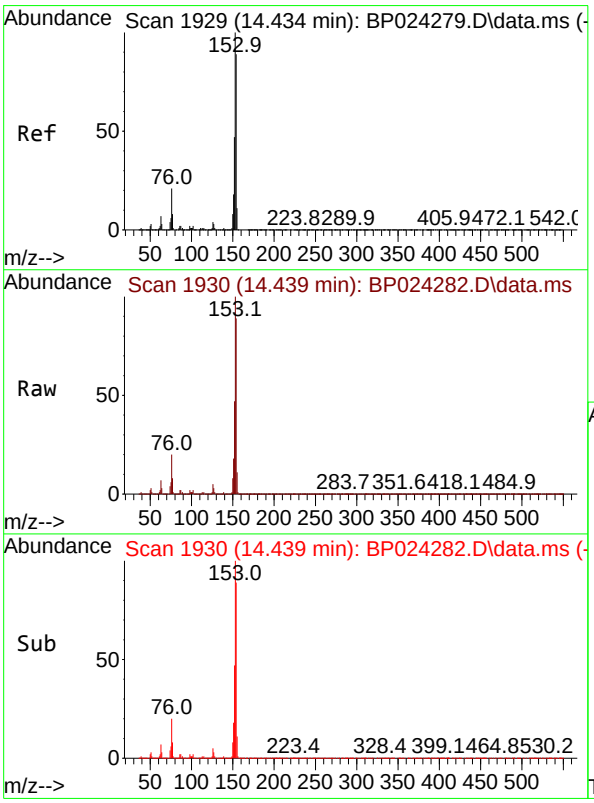
#51
2,6-Dinitrotoluene
Concen: 82.589 ng
RT: 13.945 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 814314

Ion	Ratio	Lower	Upper
165	100		
63	46.4	38.0	57.0
89	51.0	41.7	62.5

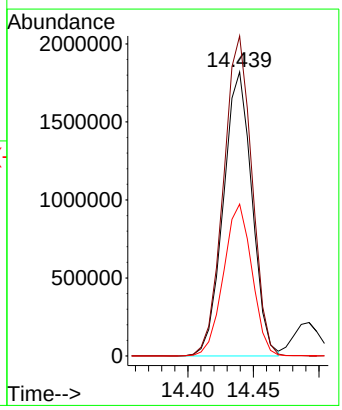


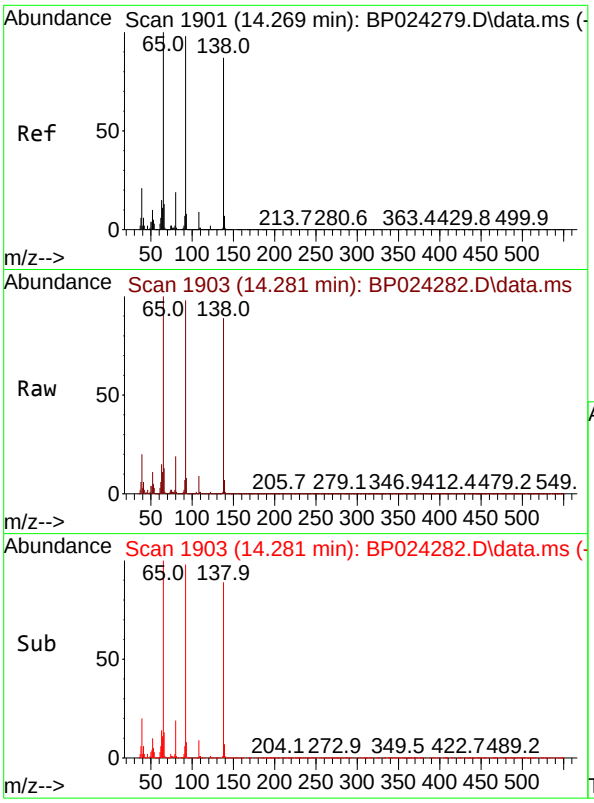


#52
Acenaphthene
Concen: 78.270 ng
RT: 14.439 min Scan# 1930
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:154 Resp: 2761536

Ion	Ratio	Lower	Upper
154	100		
153	112.7	89.8	134.6
152	53.5	42.6	63.8



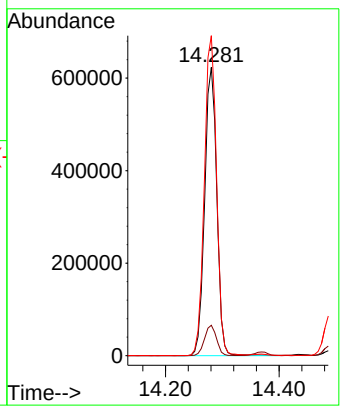


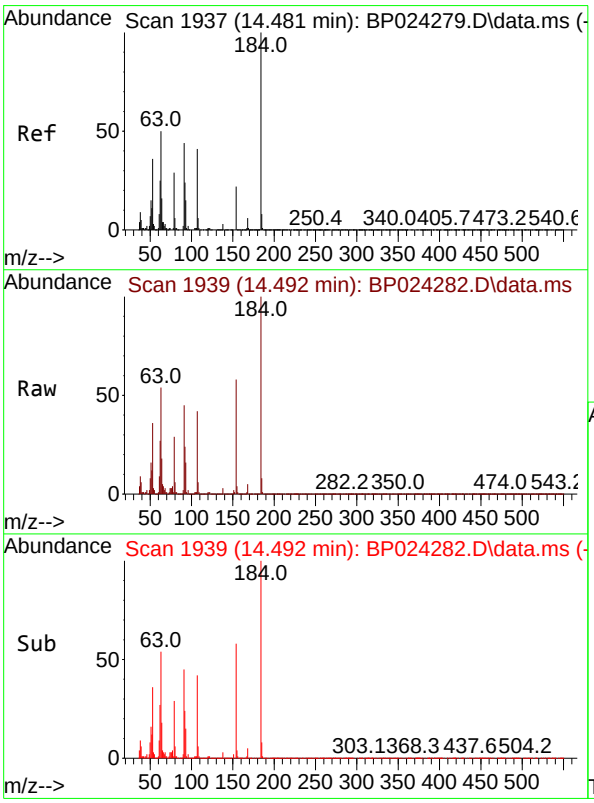
#53
3-Nitroaniline
Concen: 89.913 ng
RT: 14.281 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 919775

Ion	Ratio	Lower	Upper
138	100		
108	10.5	8.3	12.5
92	111.0	89.8	134.8

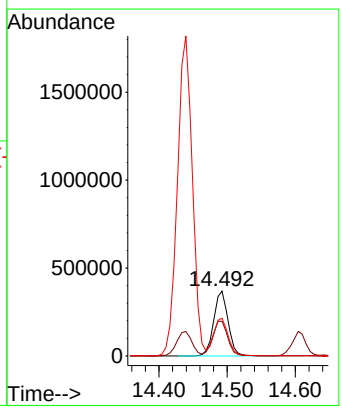


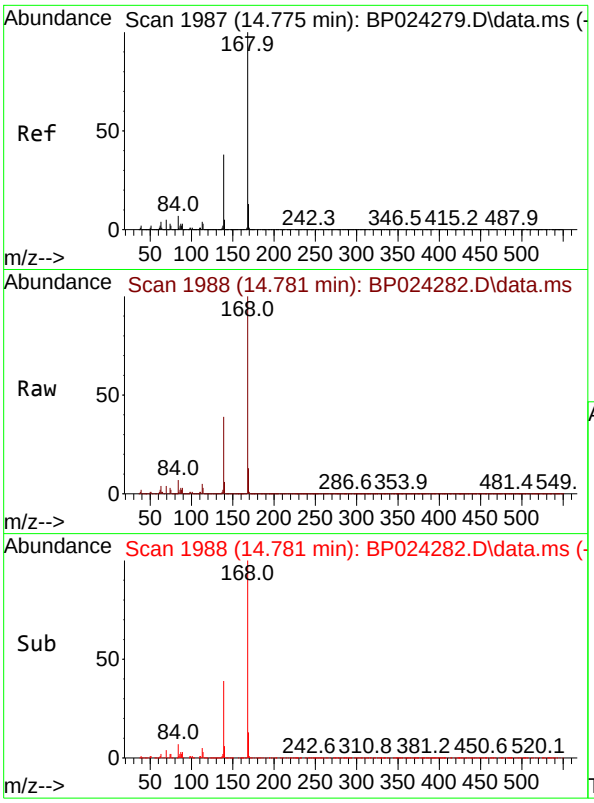


#54
2,4-Dinitrophenol
Concen: 102.567 ng
RT: 14.492 min Scan# 1939
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:184 Resp: 541483

Ion	Ratio	Lower	Upper
184	100		
63	53.6	42.6	64.0
154	58.2	47.2	70.8



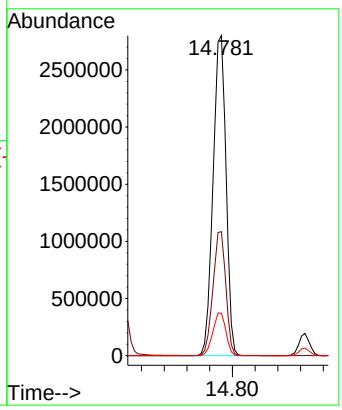


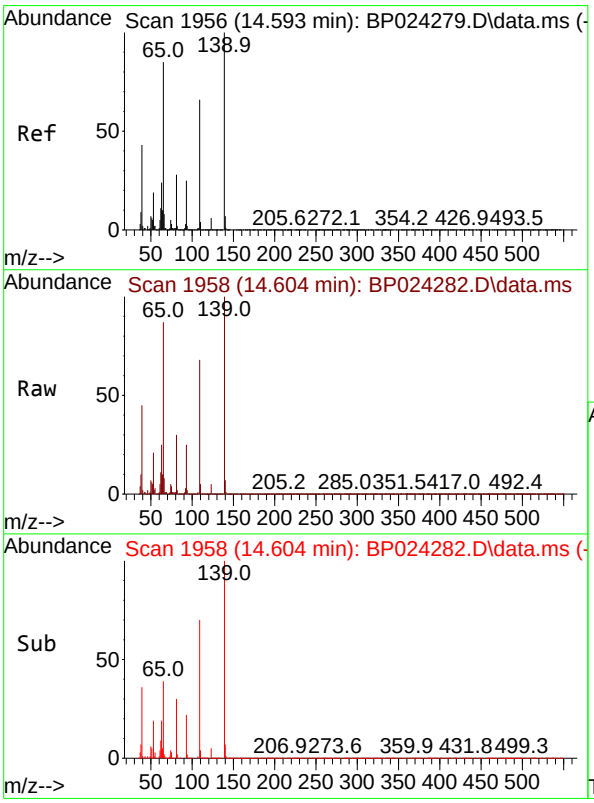
#55
Dibenzofuran
Concen: 76.402 ng
RT: 14.781 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:168 Resp: 4420987

Ion	Ratio	Lower	Upper
168	100		
139	38.7	30.3	45.5
169	13.3	10.6	16.0

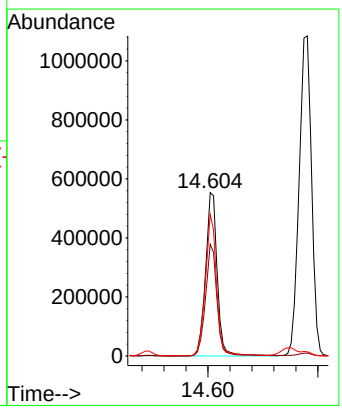


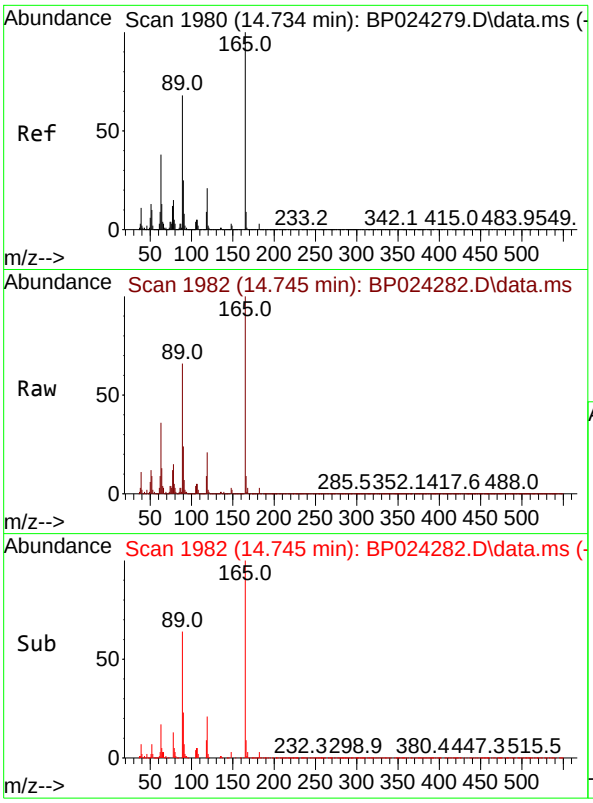


#56
4-Nitrophenol
Concen: 92.599 ng
RT: 14.604 min Scan# 1958
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:139 Resp: 814261

Ion	Ratio	Lower	Upper
139	100		
109	68.4	46.1	86.1
65	86.6	65.0	105.0



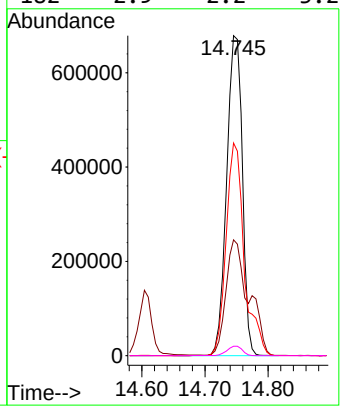


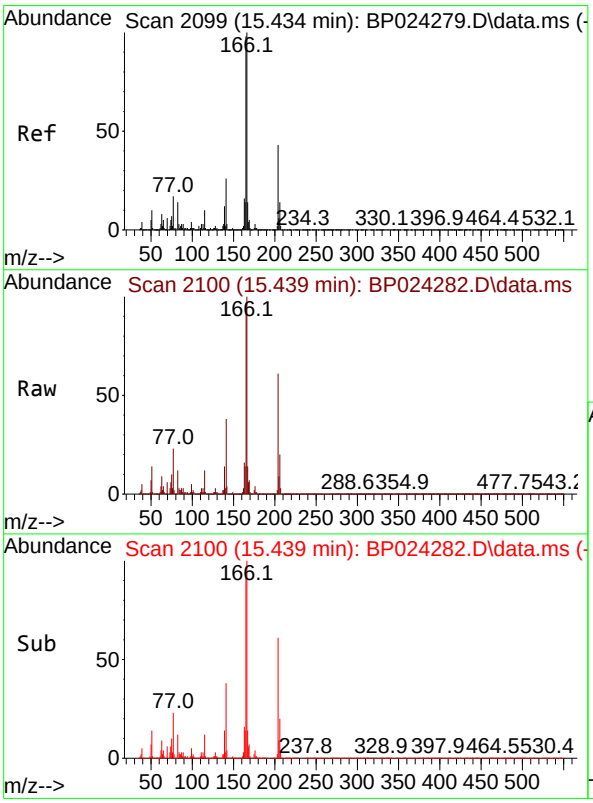
#57
2,4-Dinitrotoluene
Concen: 87.755 ng
RT: 14.745 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 1169554

Ion	Ratio	Lower	Upper
165	100		
63	36.2	30.4	45.6
89	66.4	54.6	82.0
182	2.9	2.2	3.2

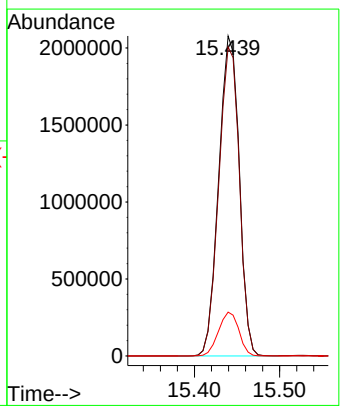


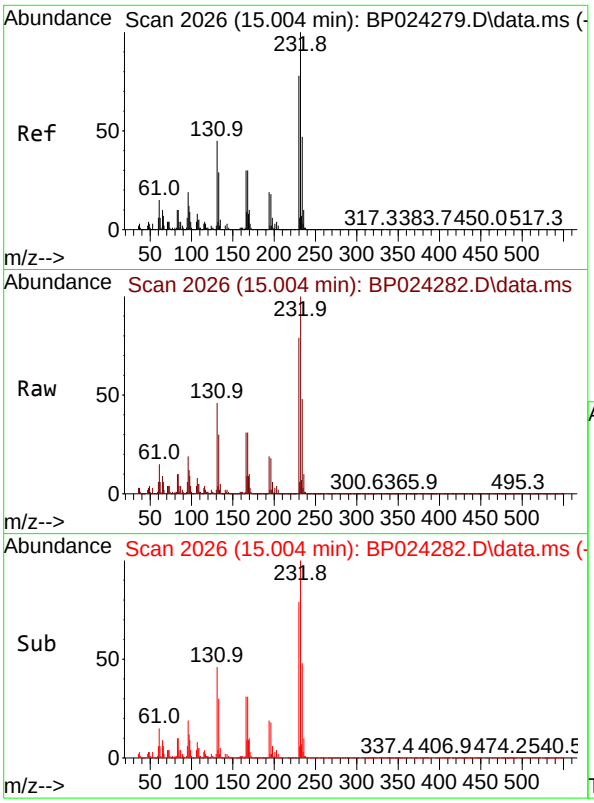


#58
Fluorene
Concen: 77.873 ng
RT: 15.439 min Scan# 2100
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:166 Resp: 3479094

Ion	Ratio	Lower	Upper
166	100		
165	96.6	78.1	117.1
167	13.7	10.9	16.3



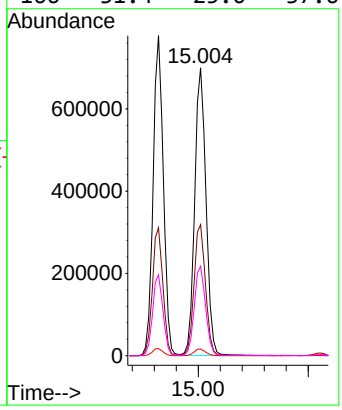


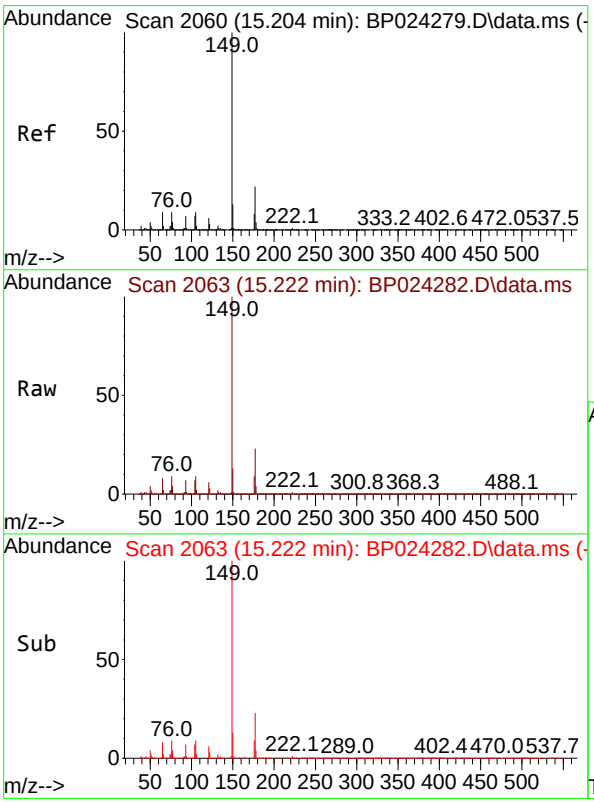
#59
2,3,4,6-Tetrachlorophenol
Concen: 84.031 ng
RT: 15.004 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:232 Resp: 999335

Ion	Ratio	Lower	Upper
232	100		
131	46.1	36.8	55.2
130	2.4	1.9	2.9
166	31.4	25.0	37.6

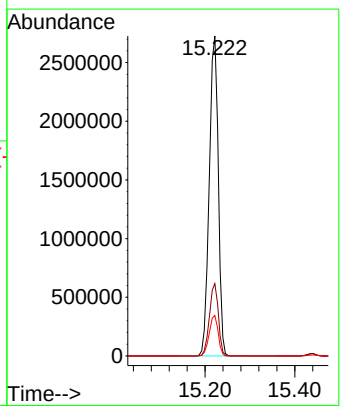


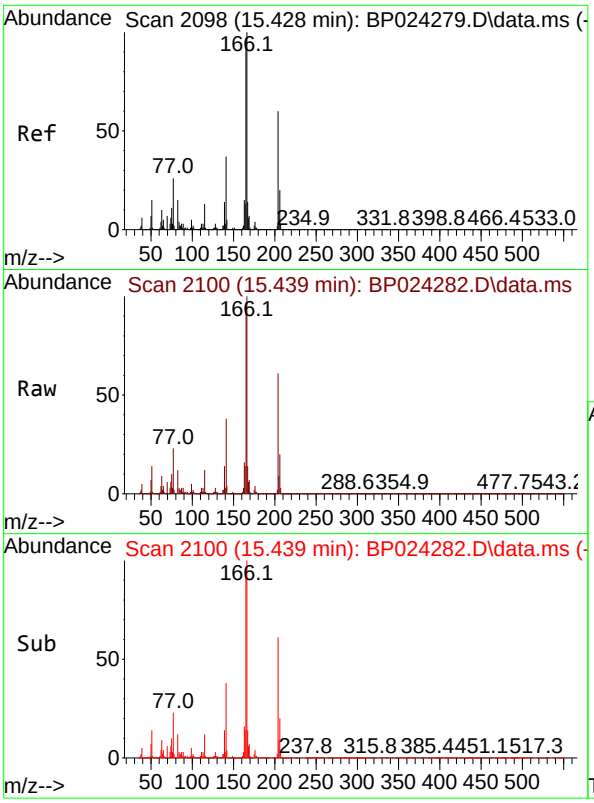


#60
Diethylphthalate
Concen: 78.910 ng
RT: 15.222 min Scan# 2063
Delta R.T. 0.018 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:149 Resp: 3800651

Ion	Ratio	Lower	Upper
149	100		
177	22.6	17.4	26.2
150	12.6	10.1	15.1



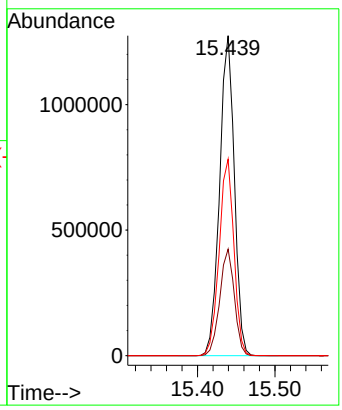


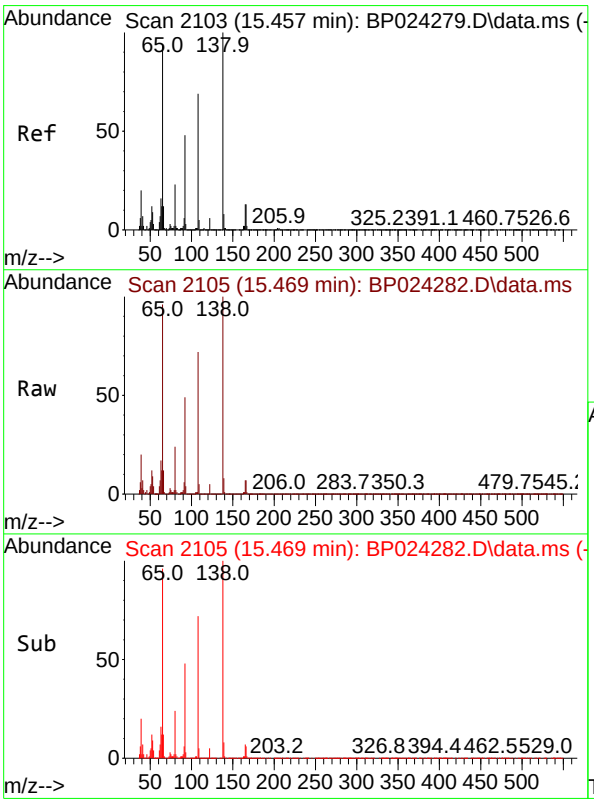
#61
4-Chlorophenyl-phenylether
Concen: 77.881 ng
RT: 15.439 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:204 Resp: 1689620

Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.5	39.7
141	61.4	49.4	74.0

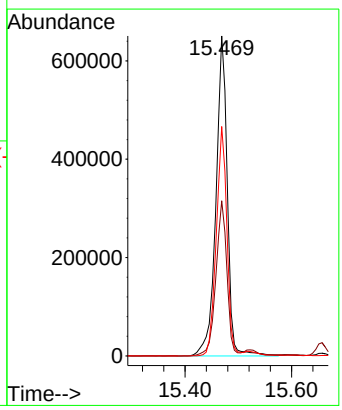


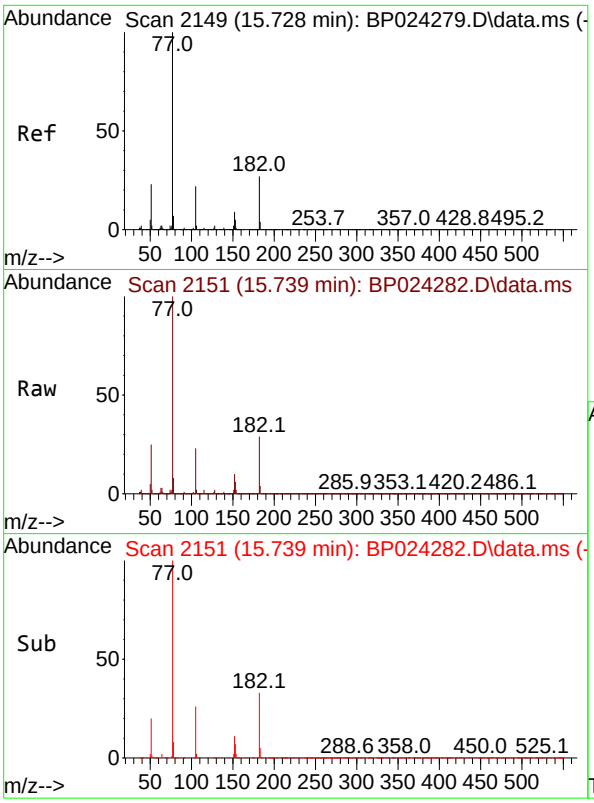


#62
4-Nitroaniline
Concen: 89.063 ng
RT: 15.469 min Scan# 2105
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:138 Resp: 965926

Ion	Ratio	Lower	Upper
138	100		
92	48.5	27.8	67.8
108	71.7	48.9	88.9



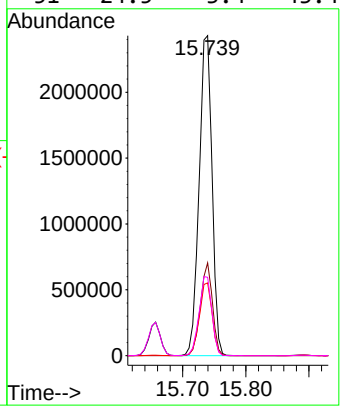


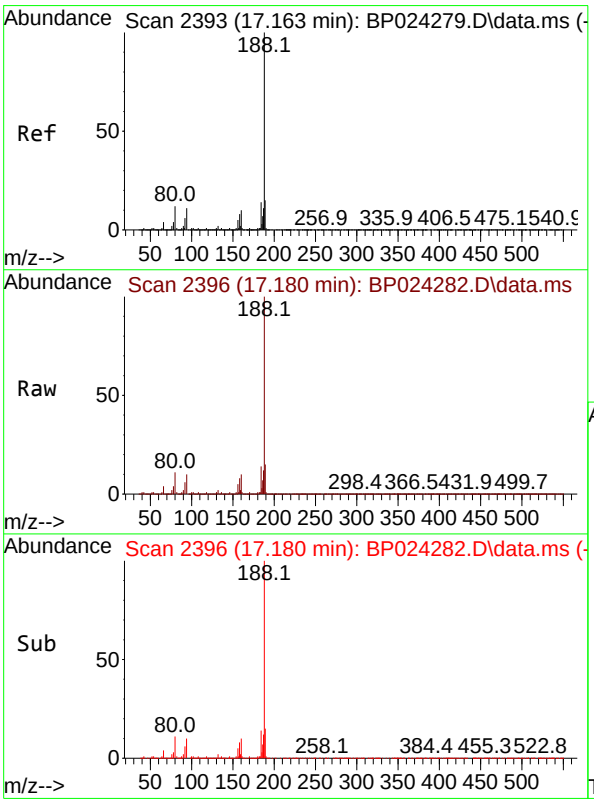
#63
Azobenzene
Concen: 77.741 ng
RT: 15.739 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 3448680

Ion	Ratio	Lower	Upper
77	100		
182	29.0	7.3	47.3
105	22.7	2.3	42.3
51	24.5	3.4	43.4

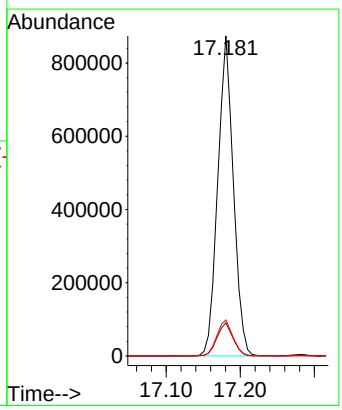


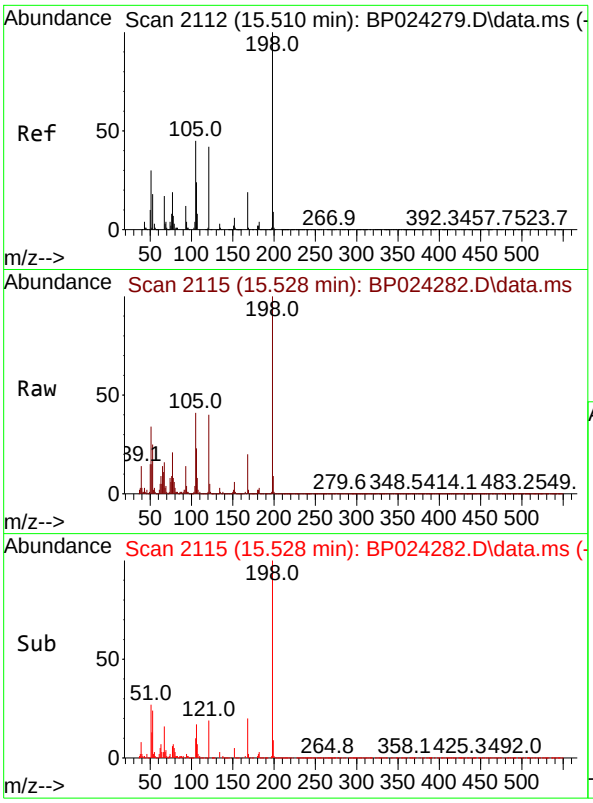


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.180 min Scan# 2396
Delta R.T. 0.018 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:188 Resp: 1279313

Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.6	13.0
80	11.2	9.8	14.6



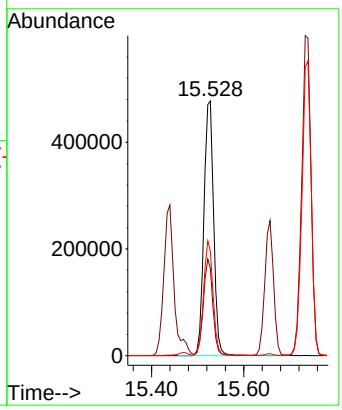


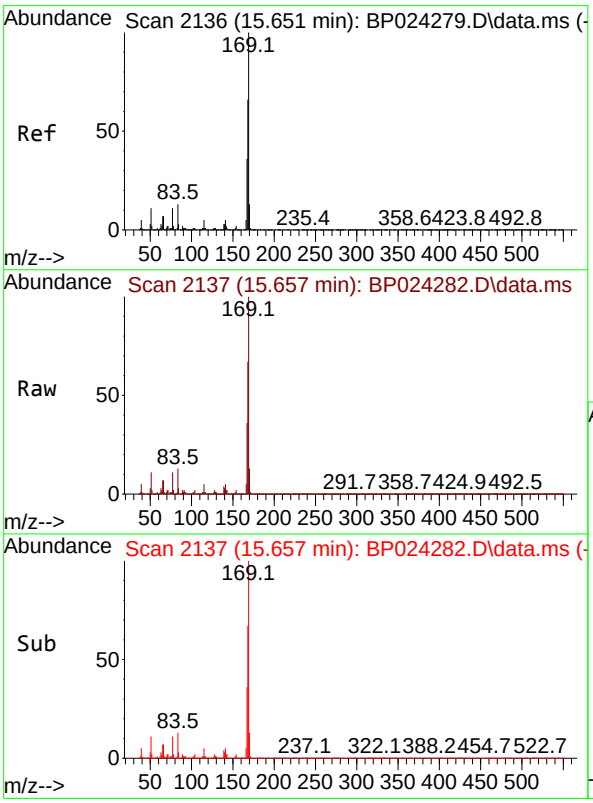
#65
4,6-Dinitro-2-methylphenol
Concen: 94.385 ng
RT: 15.528 min Scan# 21
Delta R.T. 0.018 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:198 Resp: 705506

Ion	Ratio	Lower	Upper
198	100		
51	34.3	18.4	58.4
105	41.0	26.5	66.5

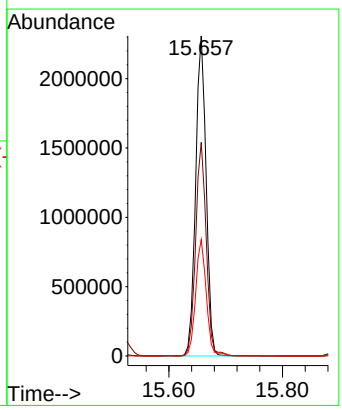


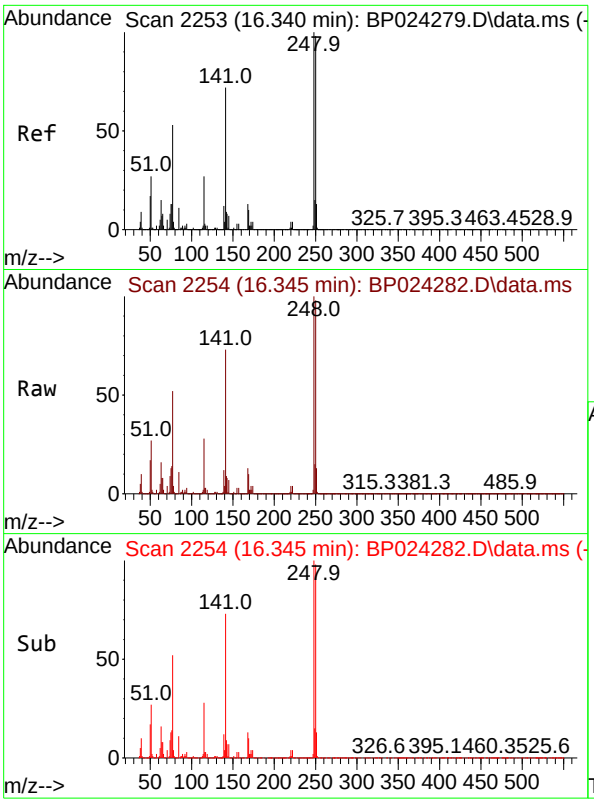


#66
n-Nitrosodiphenylamine
Concen: 77.438 ng
RT: 15.657 min Scan# 2137
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:169 Resp: 2970516

Ion	Ratio	Lower	Upper
169	100		
168	66.7	53.0	79.4
167	36.3	28.9	43.3



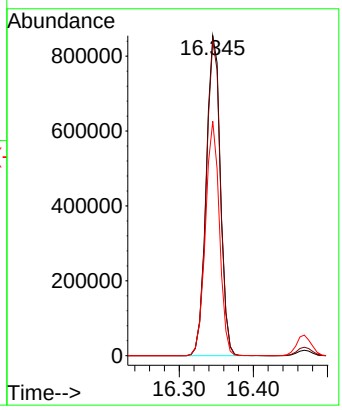


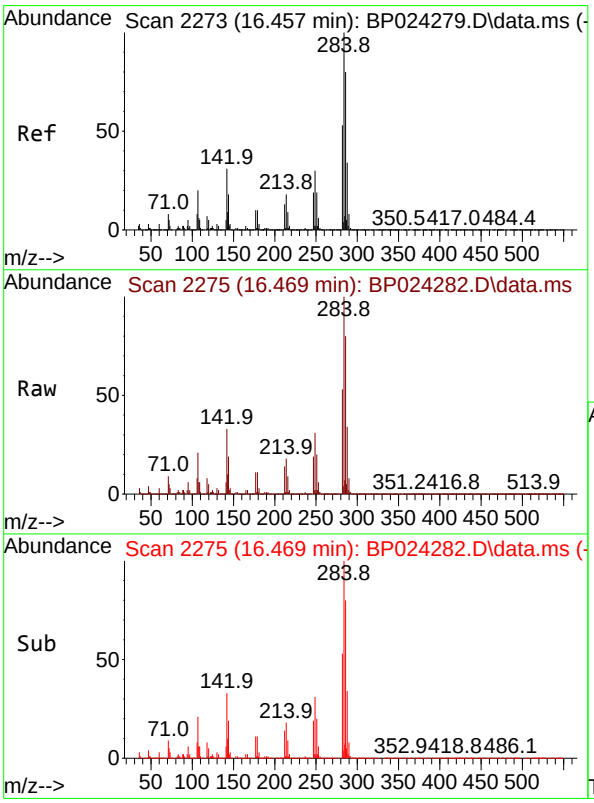
#67
4-Bromophenyl-phenylether
Concen: 81.488 ng
RT: 16.345 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:248 Resp: 1137128

Ion	Ratio	Lower	Upper
248	100		
250	98.5	78.2	117.4
141	73.2	57.7	86.5

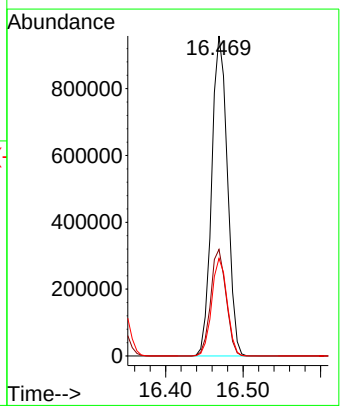


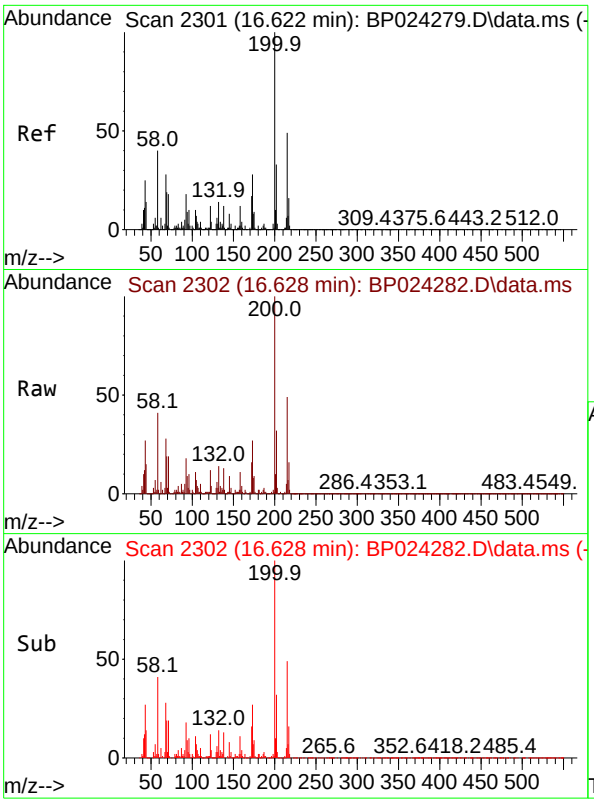


#68
Hexachlorobenzene
Concen: 81.231 ng
RT: 16.469 min Scan# 2275
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:284 Resp: 1347567

Ion	Ratio	Lower	Upper
284	100		
142	33.3	24.6	37.0
249	30.5	23.8	35.6



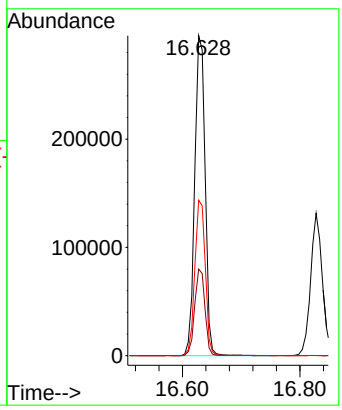


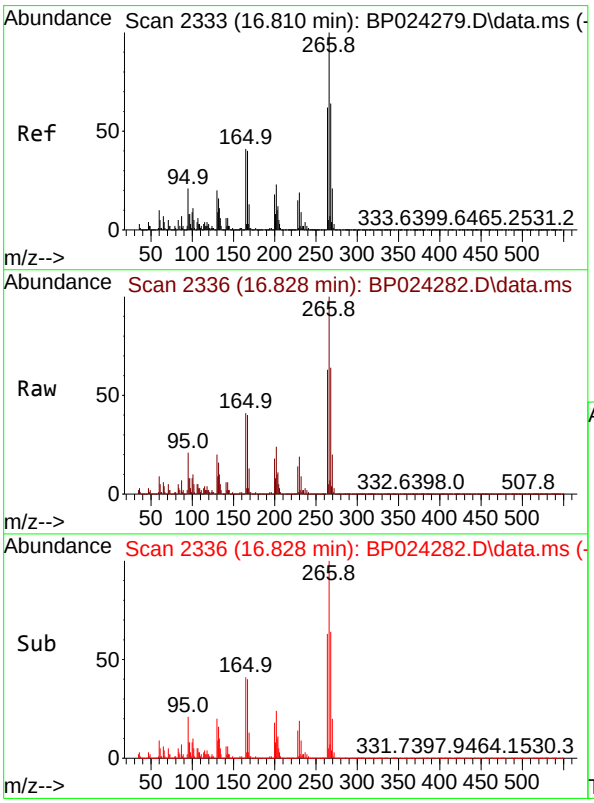
#69
Atrazine
Concen: 37.373 ng
RT: 16.628 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:200 Resp: 363462

Ion	Ratio	Lower	Upper
200	100		
173	27.1	7.5	47.5
215	48.6	28.8	68.8

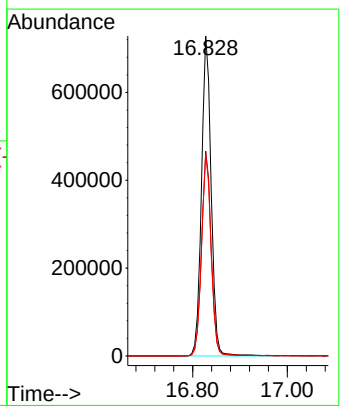


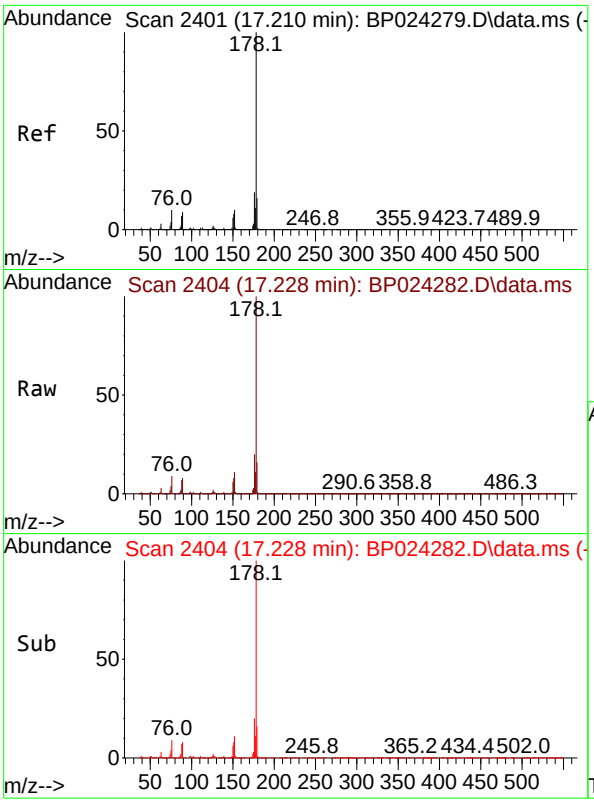


#70
Pentachlorophenol
Concen: 90.221 ng
RT: 16.828 min Scan# 2336
Delta R.T. 0.017 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:266 Resp: 1027691

Ion	Ratio	Lower	Upper
266	100		
268	64.0	51.0	76.6
264	63.1	49.8	74.6



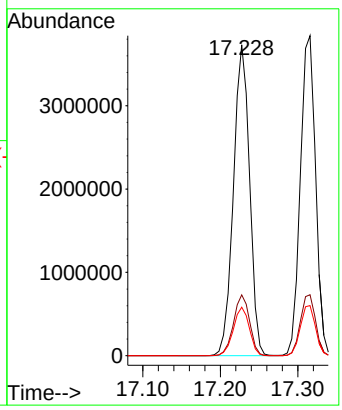


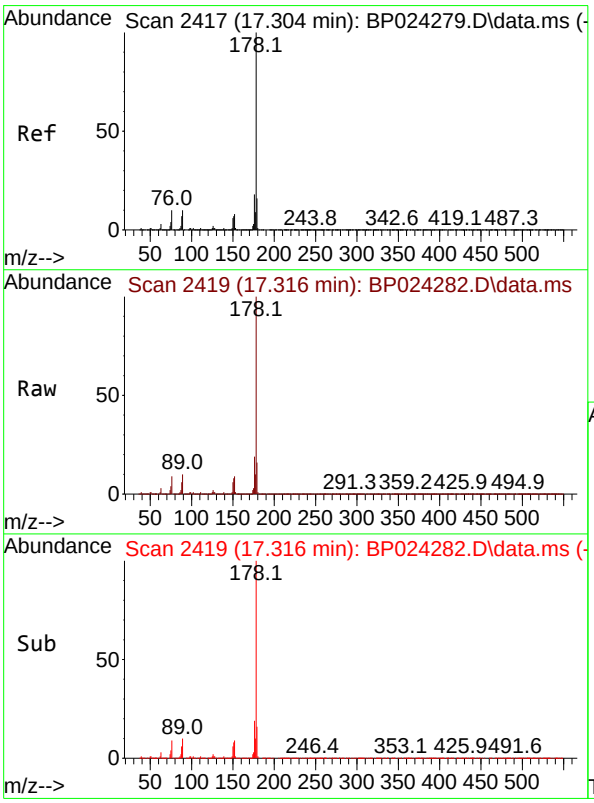
#71
Phenanthrene
Concen: 77.203 ng
RT: 17.228 min Scan# 24
Delta R.T. 0.018 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 5415046

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.0
179	15.6	12.5	18.7

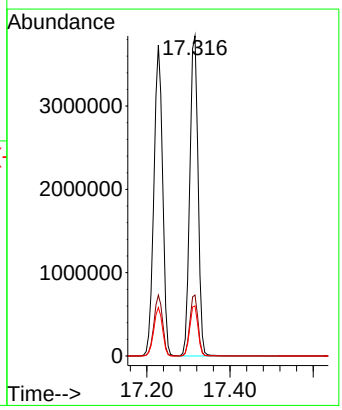


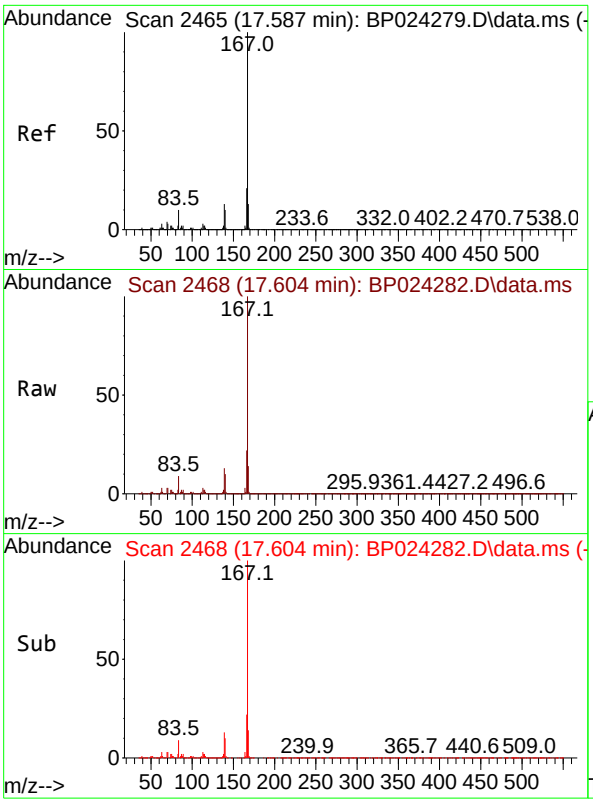


#72
Anthracene
Concen: 78.097 ng
RT: 17.316 min Scan# 2419
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:178 Resp: 5270987

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.7	22.1
179	15.6	12.4	18.6



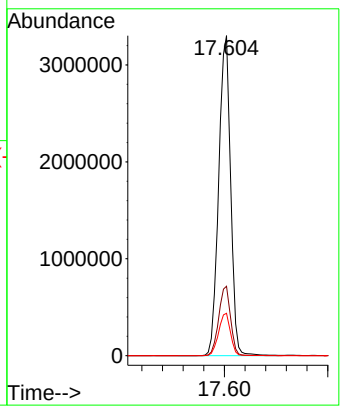


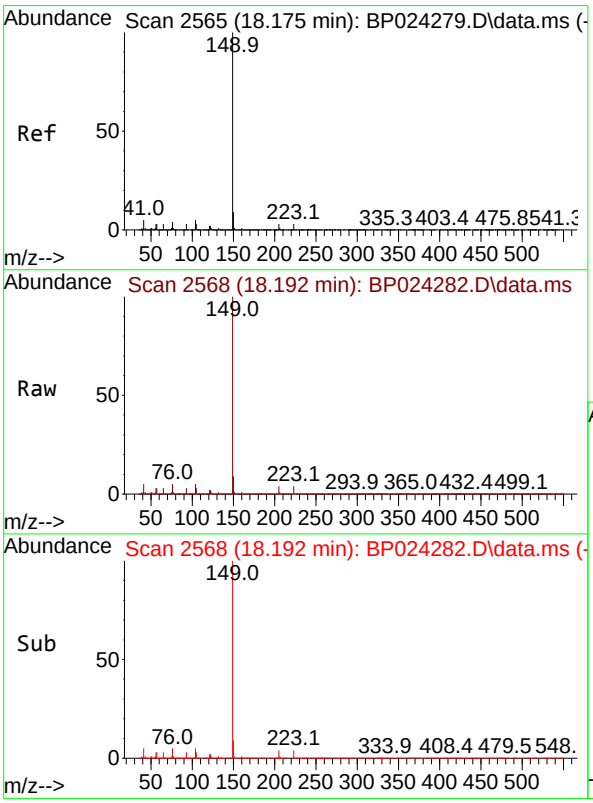
#73
Carbazole
Concen: 80.314 ng
RT: 17.604 min Scan# 24
Delta R.T. 0.017 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:167 Resp: 5275449

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.1	25.7
139	13.2	10.6	16.0

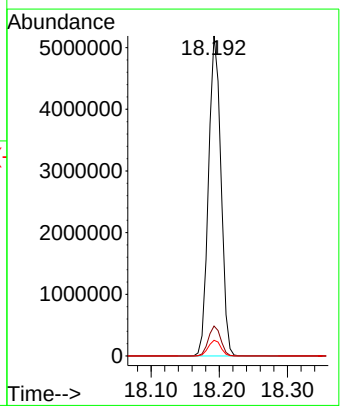


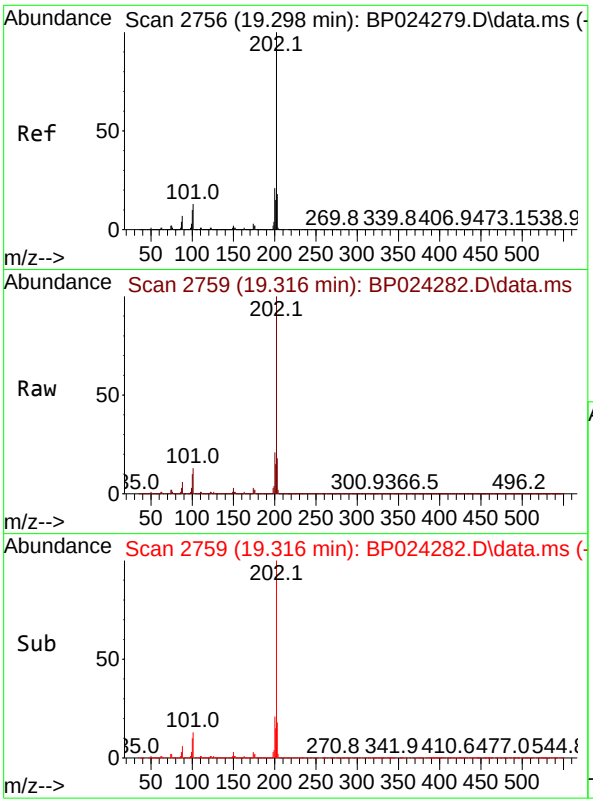


#74
Di-n-butylphthalate
Concen: 80.266 ng
RT: 18.192 min Scan# 2568
Delta R.T. 0.017 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:149 Resp: 6569078

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	4.9	3.9	5.9



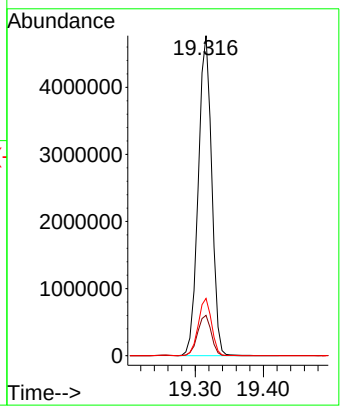


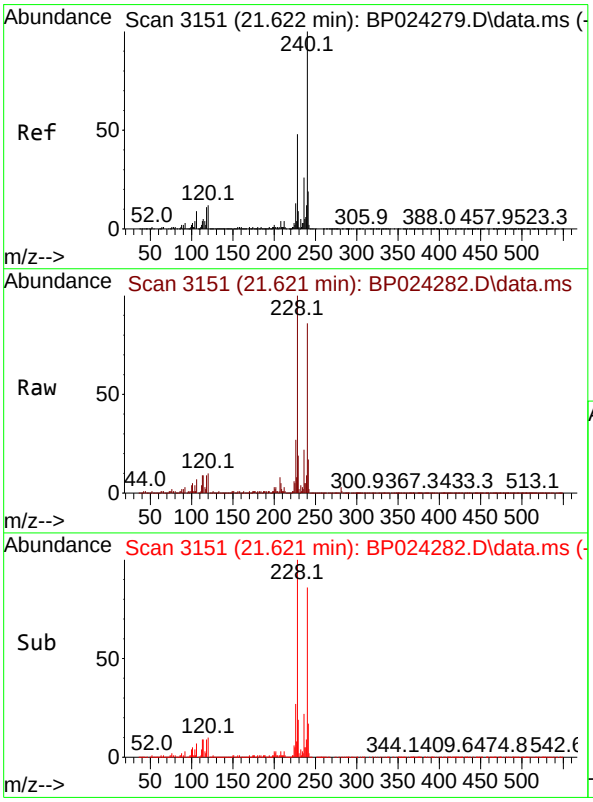
#75
Fluoranthene
Concen: 78.322 ng
RT: 19.316 min Scan# 2
Delta R.T. 0.017 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:202 Resp: 6520527

Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	33.2
203	17.9	0.0	37.7

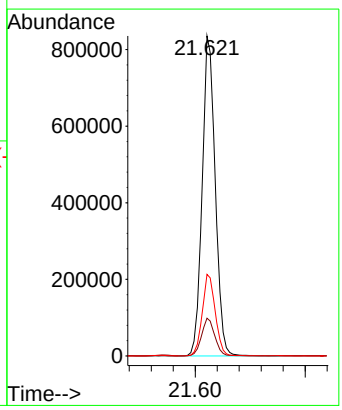


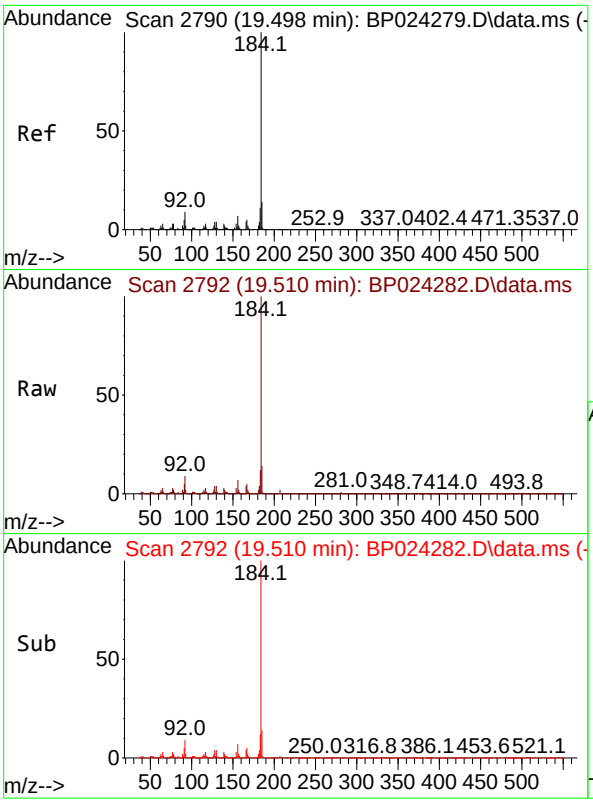


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.621 min Scan# 3151
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:240 Resp: 1378105

Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.8	14.8
236	25.5	20.9	31.3



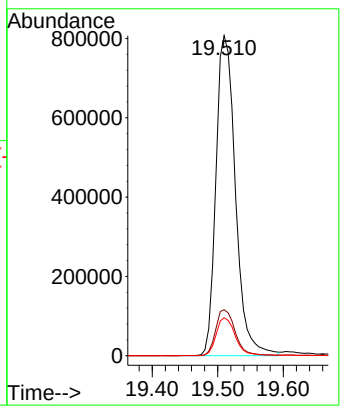


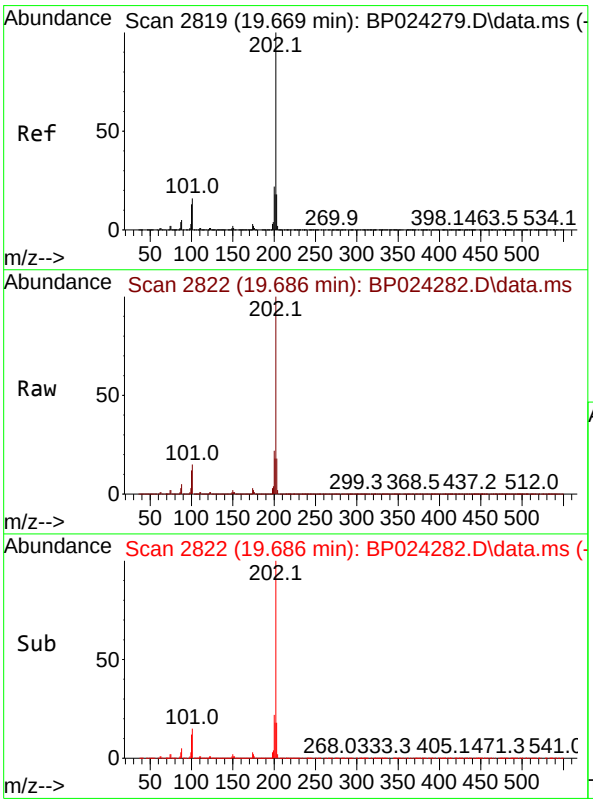
#77
Benzidine
Concen: 97.761 ng
RT: 19.510 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:184 Resp: 1663000

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.6	17.4
183	11.8	9.2	13.8

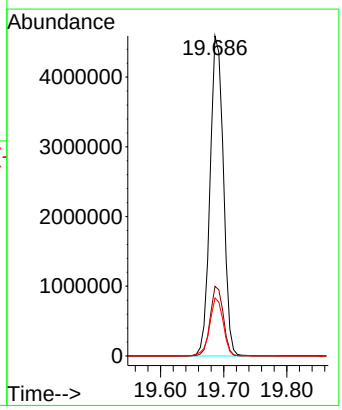


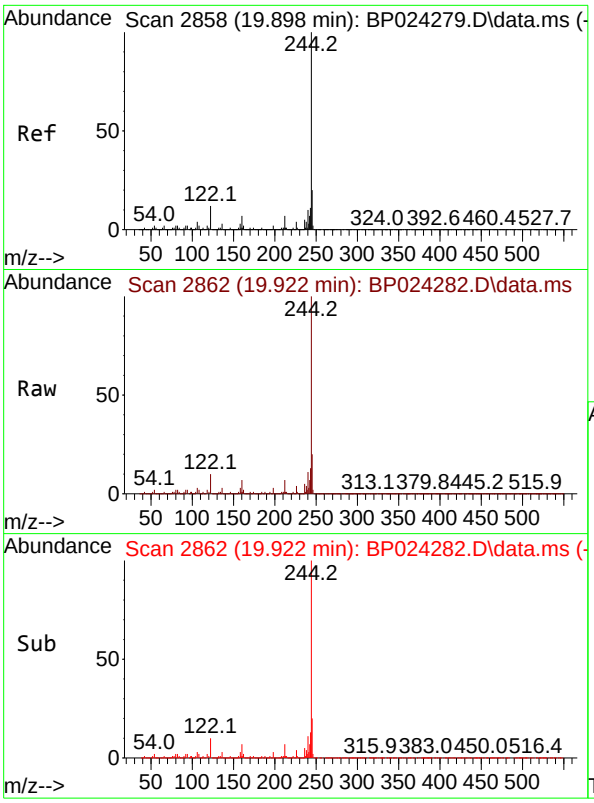


#78
Pyrene
Concen: 76.195 ng
RT: 19.686 min Scan# 2822
Delta R.T. 0.018 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:202 Resp: 6718789

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.2	25.8
203	18.1	14.4	21.6



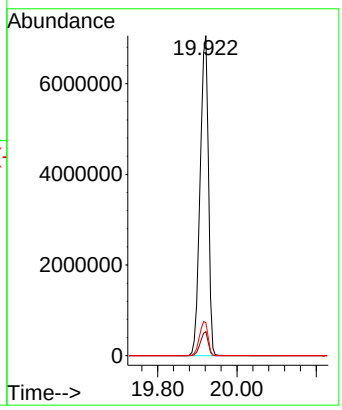


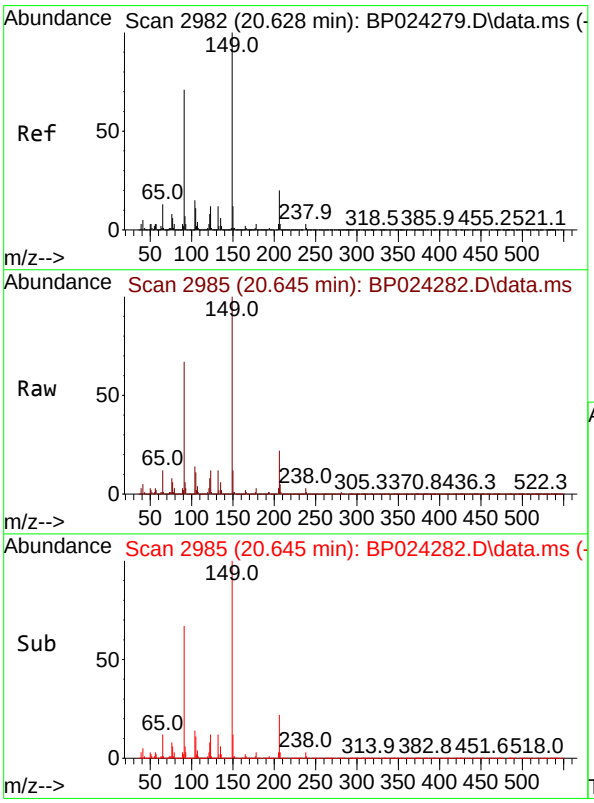
#79
Terphenyl-d14
Concen: 147.678 ng
RT: 19.922 min Scan# 2
Delta R.T. 0.023 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:244 Resp:10209149

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.6	8.4
122	10.4	9.4	14.0

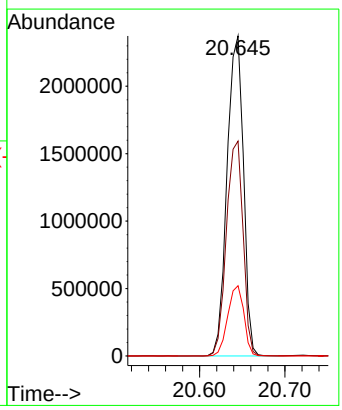


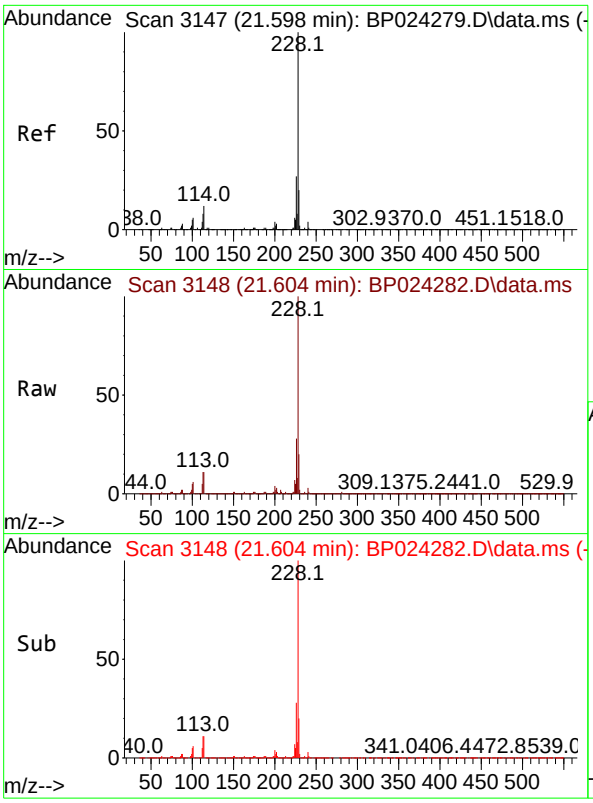


#80
Butylbenzylphthalate
Concen: 85.104 ng
RT: 20.645 min Scan# 2985
Delta R.T. 0.018 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:149 Resp: 3163633

Ion	Ratio	Lower	Upper
149	100		
91	67.1	56.4	84.6
206	22.0	16.3	24.5



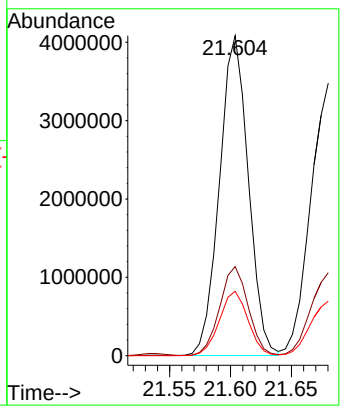


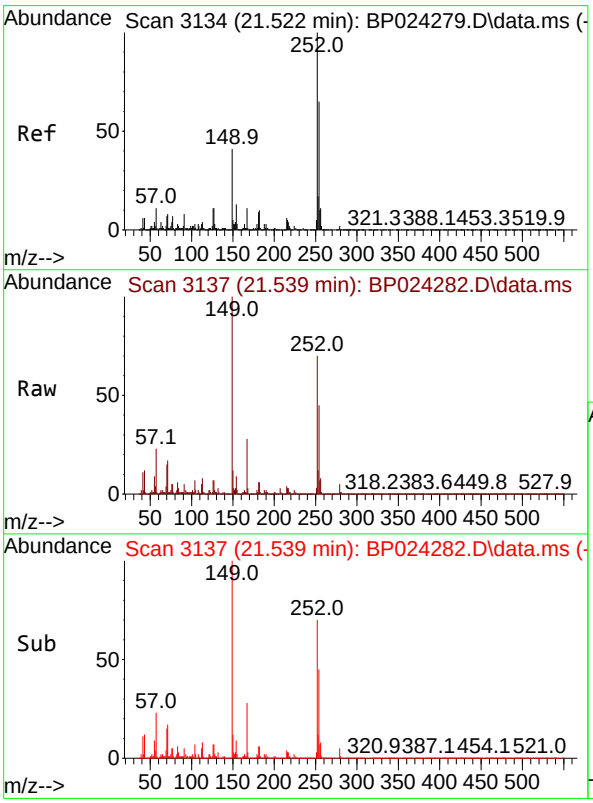
#81
Benzo(a)anthracene
Concen: 78.335 ng
RT: 21.604 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 6729971

Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.8	32.8
229	20.1	15.9	23.9

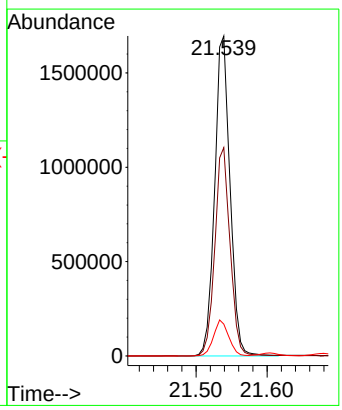


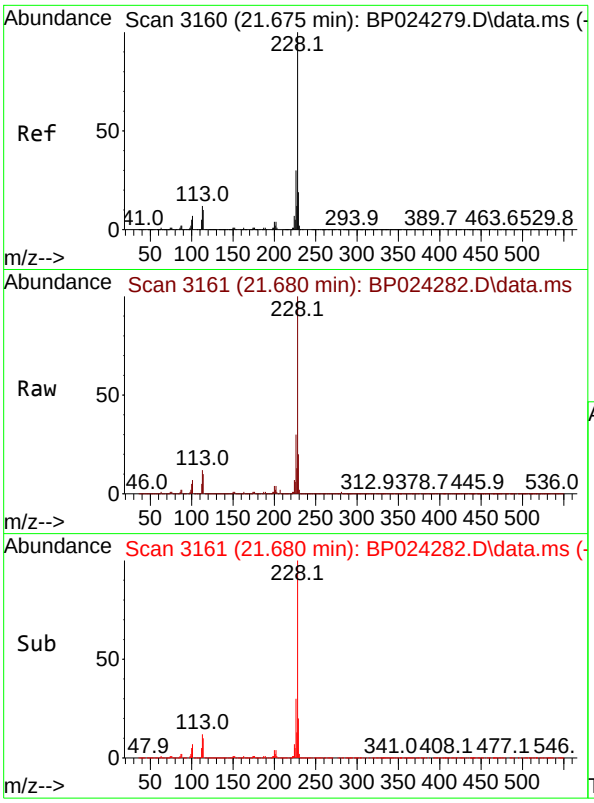


#82
3,3'-Dichlorobenzidine
Concen: 85.143 ng
RT: 21.539 min Scan# 3137
Delta R.T. 0.018 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:252 Resp: 2536509

Ion	Ratio	Lower	Upper
252	100		
254	65.1	51.7	77.5
126	10.0	8.8	13.2



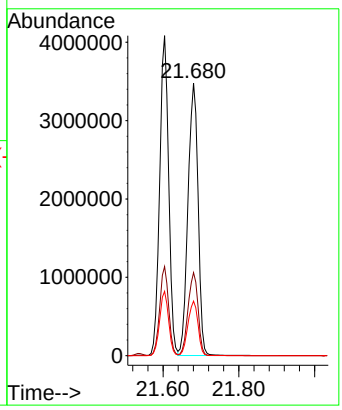


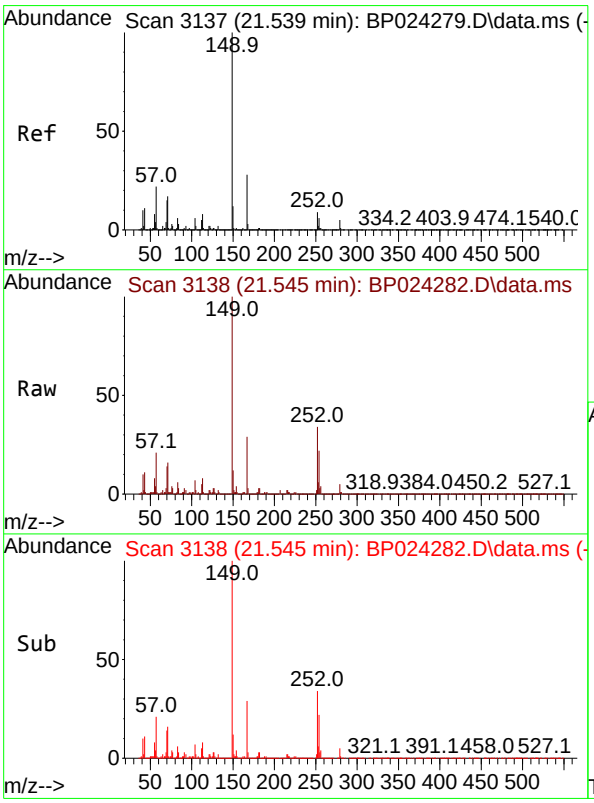
#83
Chrysene
Concen: 78.130 ng
RT: 21.680 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 6433173

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.2	36.2
229	20.0	15.6	23.4

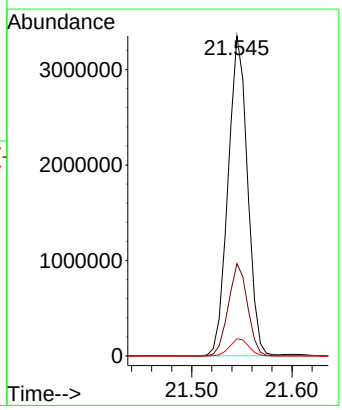


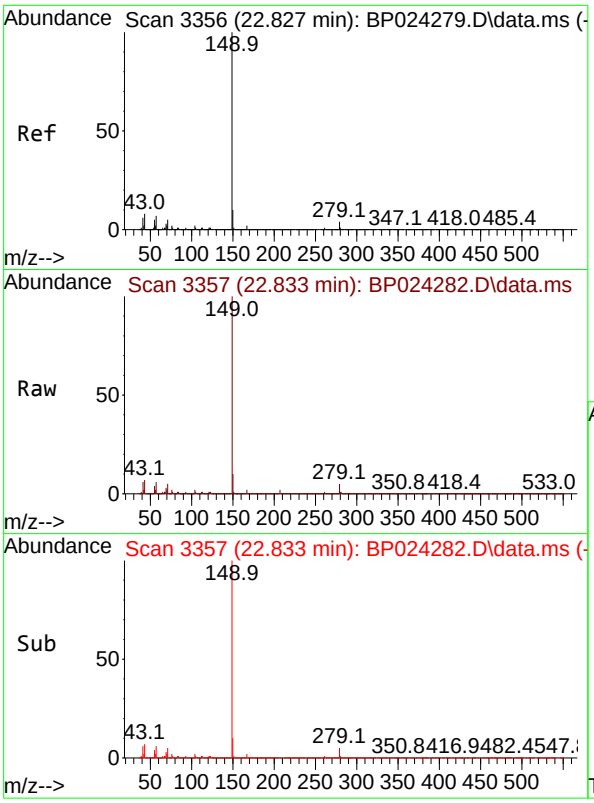


#84
Bis(2-ethylhexyl)phthalate
Concen: 82.506 ng
RT: 21.545 min Scan# 3138
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:149 Resp: 4516949

Ion	Ratio	Lower	Upper
149	100		
167	28.8	22.4	33.6
279	5.4	4.0	6.0



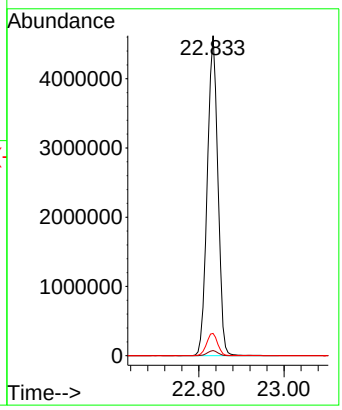


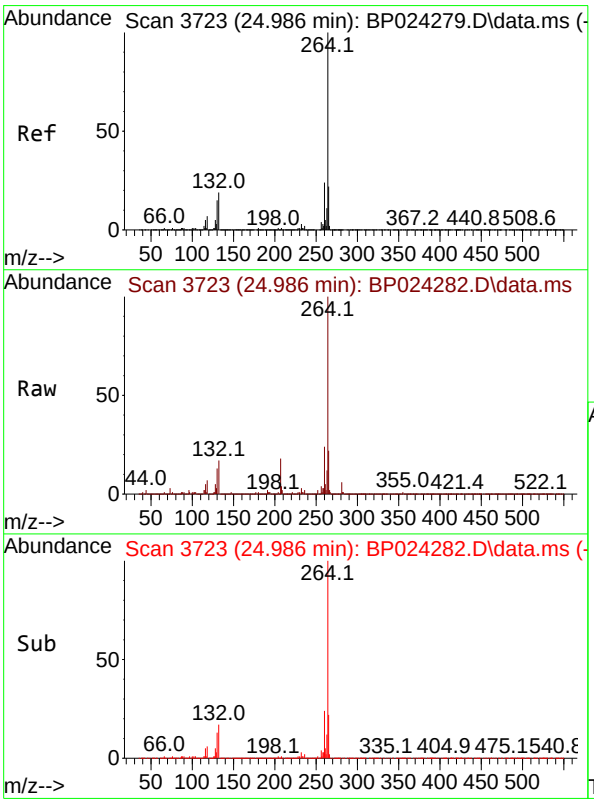
#85
Di-n-octyl phthalate
Concen: 90.878 ng
RT: 22.833 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 7969779

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.3	6.0	9.0

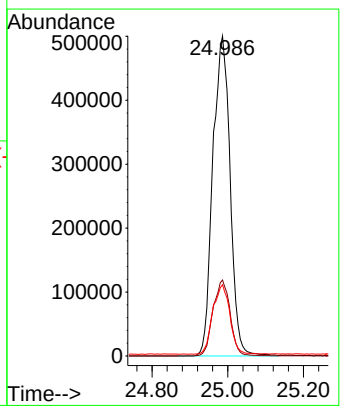


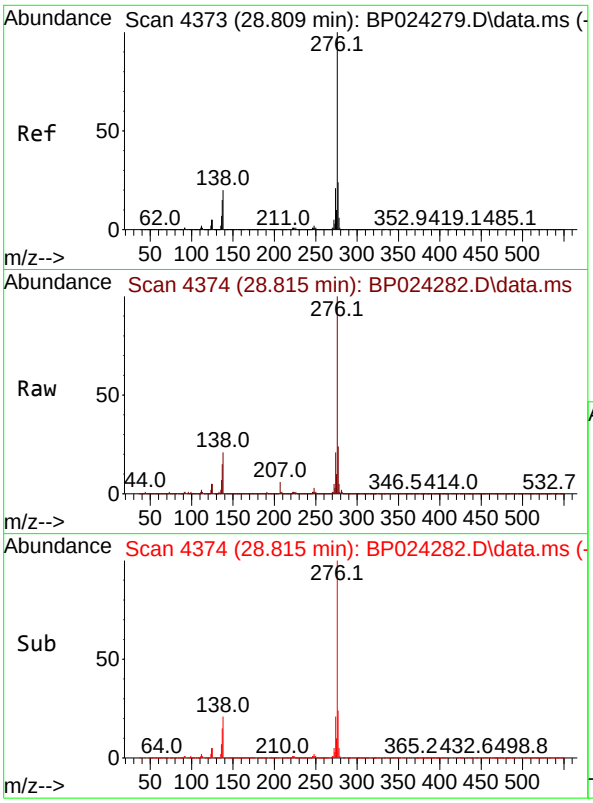


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.986 min Scan# 3723
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:264 Resp: 1583281

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.9	28.3
265	22.3	17.8	26.6



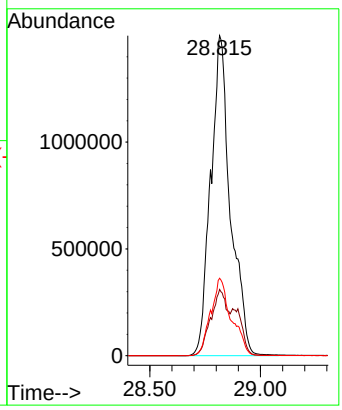


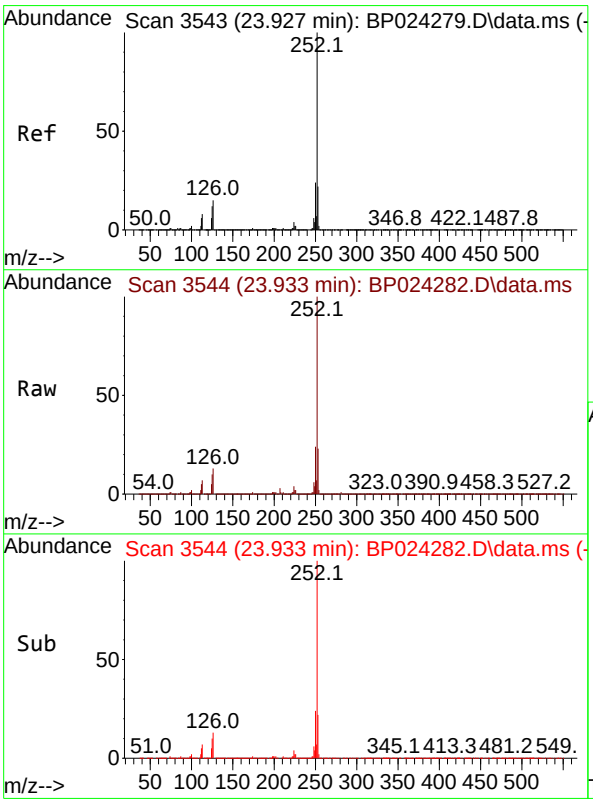
#87
Indeno(1,2,3-cd)pyrene
Concen: 85.280 ng
RT: 28.815 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 9286186

Ion	Ratio	Lower	Upper
276	100		
138	17.4	14.5	21.7
277	25.4	20.2	30.2

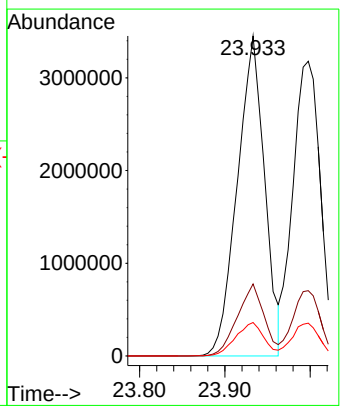


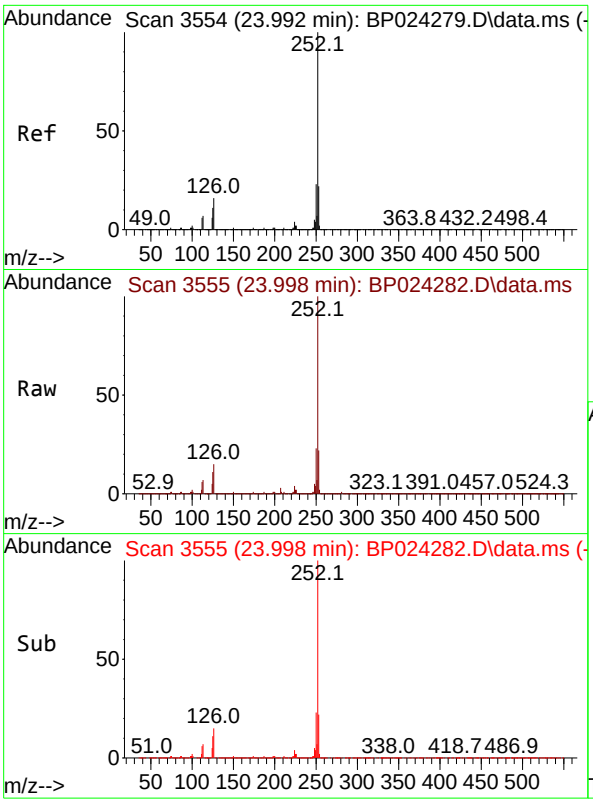


#88
Benzo(b)fluoranthene
Concen: 81.051 ng
RT: 23.933 min Scan# 3544
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:252 Resp: 7677613

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.7	26.5
125	10.4	9.4	14.0



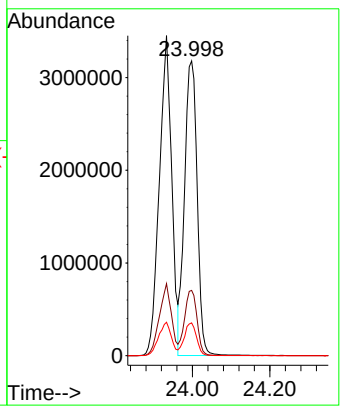


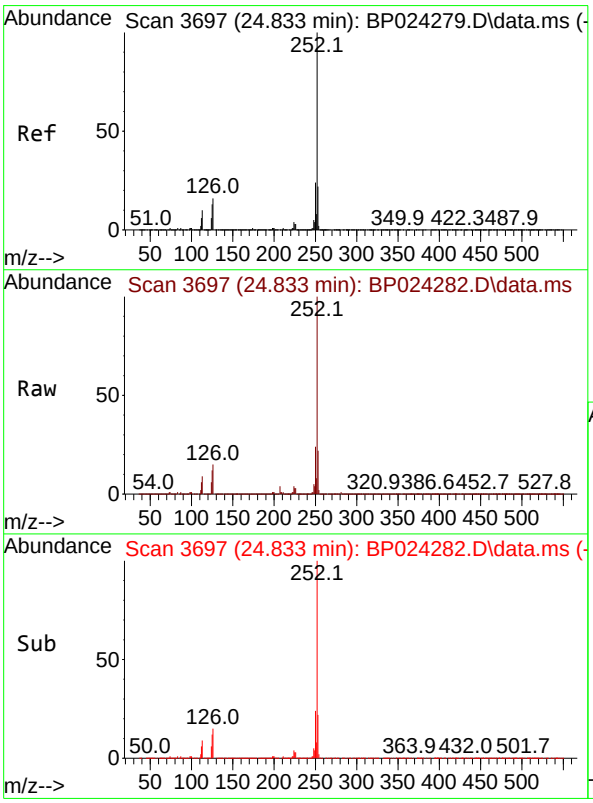
#89
Benzo(k)fluoranthene
Concen: 78.395 ng
RT: 23.998 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 7207214

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.1	9.1	13.7

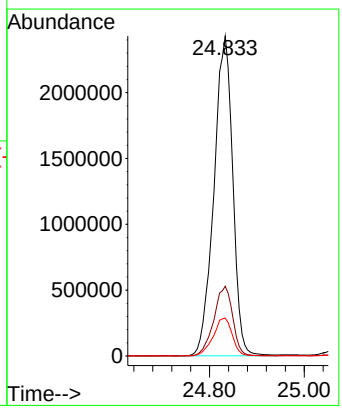


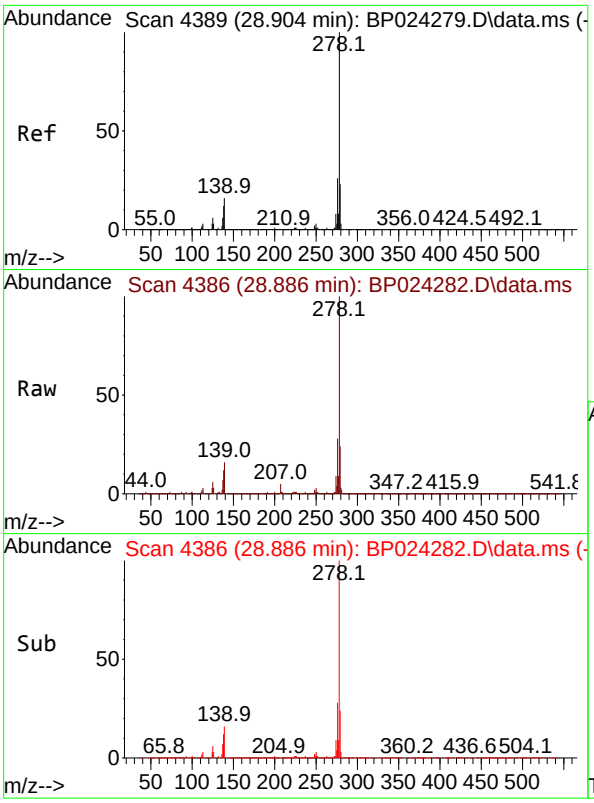


#90
Benzo(a)pyrene
Concen: 82.211 ng
RT: 24.833 min Scan# 3697
Delta R.T. -0.000 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:252 Resp: 6703562

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	11.8	10.1	15.1



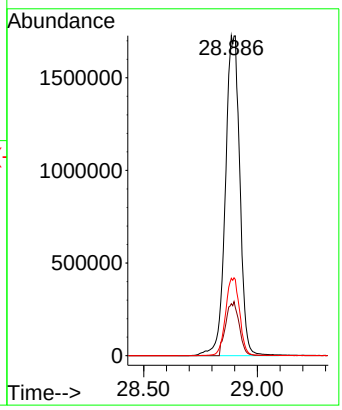


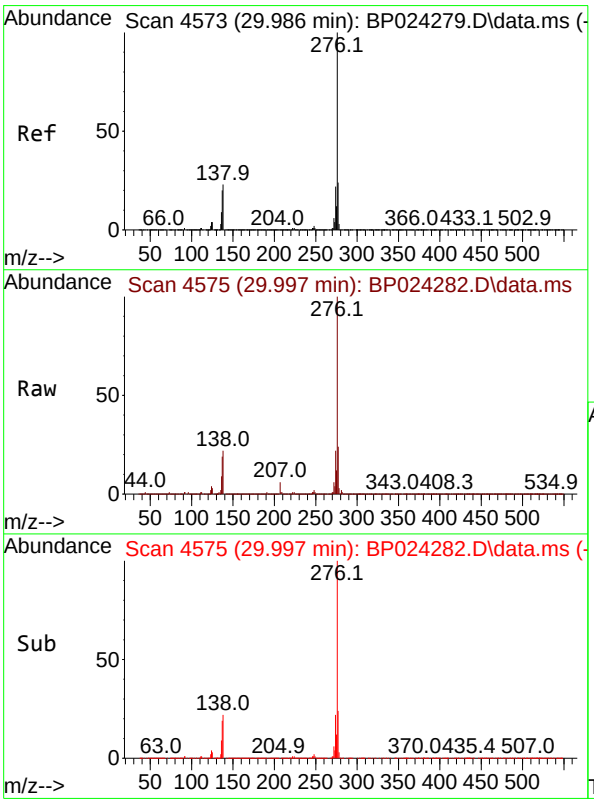
#91
Dibenzo(a,h)anthracene
Concen: 84.071 ng
RT: 28.886 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:278 Resp: 7614901

Ion	Ratio	Lower	Upper
278	100		
139	16.2	12.6	19.0
279	24.2	18.5	27.7

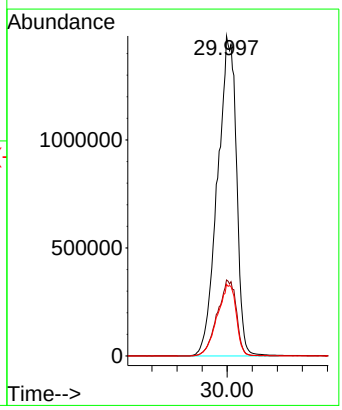




#92
Benzo(g,h,i)perylene
Concen: 84.072 ng
RT: 29.997 min Scan# 4575
Delta R.T. 0.012 min
Lab File: BP024282.D
Acq: 14 Apr 2025 17:13

Tgt Ion:276 Resp: 7750941

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.9	28.3
138	22.4	18.7	28.1



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.734	152	232241	20.000	ng	0.00
21) Naphthalene-d8	10.504	136	956448	20.000	ng	0.00
39) Acenaphthene-d10	14.363	164	600031	20.000	ng	0.00
64) Phenanthrene-d10	17.163	188	1178916	20.000	ng	-0.02
76) Chrysene-d12	21.616	240	1288125	20.000	ng	0.00
86) Perylene-d12	24.986	264	1476872	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	1141956	81.302	ng	0.00
7) Phenol-d6	6.911	99	1559050	81.063	ng	0.00
23) Nitrobenzene-d5	8.881	82	1401115	83.531	ng	0.00
42) 2,4,6-Tribromophenol	15.875	330	709703	85.488	ng	-0.02
45) 2-Fluorobiphenyl	12.975	172	3319933	84.715	ng	0.00
79) Terphenyl-d14	19.892	244	5217888	81.649	ng	-0.03
Target Compounds						Qvalue
2) 1,4-Dioxane	3.293	88	240091	40.412	ng	100
3) Pyridine	3.687	79	626813	39.955	ng	99
4) n-Nitrosodimethylamine	3.593	42	209326	40.205	ng	98
6) Aniline	7.069	93	710981	41.370	ng	100
8) 2-Chlorophenol	7.305	128	632515	40.334	ng	99
9) Benzaldehyde	6.881	77	399803	42.024	ng	98
10) Phenol	6.940	94	777631	40.306	ng	100
11) bis(2-Chloroethyl)ether	7.163	93	620261	39.902	ng	99
12) 1,3-Dichlorobenzene	7.622	146	680343	40.298	ng	100
13) 1,4-Dichlorobenzene	7.769	146	694020	40.516	ng	99
14) 1,2-Dichlorobenzene	8.081	146	659947	39.898	ng	99
15) Benzyl Alcohol	7.969	79	517678	41.621	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.258	45	674999	40.173	ng	99
17) 2-Methylphenol	8.175	107	512292	41.046	ng	100
18) Hexachloroethane	8.799	117	250852	40.522	ng	99
19) n-Nitroso-di-n-propyla...	8.528	70	481540	40.471	ng	99
20) 3+4-Methylphenols	8.499	107	706733	40.810	ng	99
22) Acetophenone	8.546	105	986019	41.652	ng	100
24) Nitrobenzene	8.922	77	689231	41.537	ng	100
25) Isophorone	9.446	82	1264480	41.648	ng	99
26) 2-Nitrophenol	9.628	139	352229	43.376	ng	99
27) 2,4-Dimethylphenol	9.687	122	425062	41.689	ng	99
28) bis(2-Chloroethoxy)met...	9.922	93	849161	41.402	ng	99
29) 2,4-Dichlorophenol	10.163	162	590306	42.461	ng	98
30) 1,2,4-Trichlorobenzene	10.369	180	619818	41.612	ng	99
31) Naphthalene	10.557	128	2085090	41.386	ng	99
32) Benzoic acid	9.834	122	486627	40.959	ng	98
33) 4-Chloroaniline	10.669	127	761817	42.937	ng	99
34) Hexachlorobutadiene	10.846	225	367684	42.007	ng	100
35) Caprolactam	11.457	113	216229	42.152	ng	99
36) 4-Chloro-3-methylphenol	11.799	107	675857	41.737	ng	98
37) 2-Methylnaphthalene	12.169	142	1446647	41.403	ng	100
38) 1-Methylnaphthalene	12.387	142	1408633	41.210	ng	99
40) 1,2,4,5-Tetrachloroben...	12.540	216	697580	42.275	ng	100
41) Hexachlorocyclopentadiene	12.516	237	254676	43.639	ng	99
43) 2,4,6-Trichlorophenol	12.781	196	475349	43.329	ng	97

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

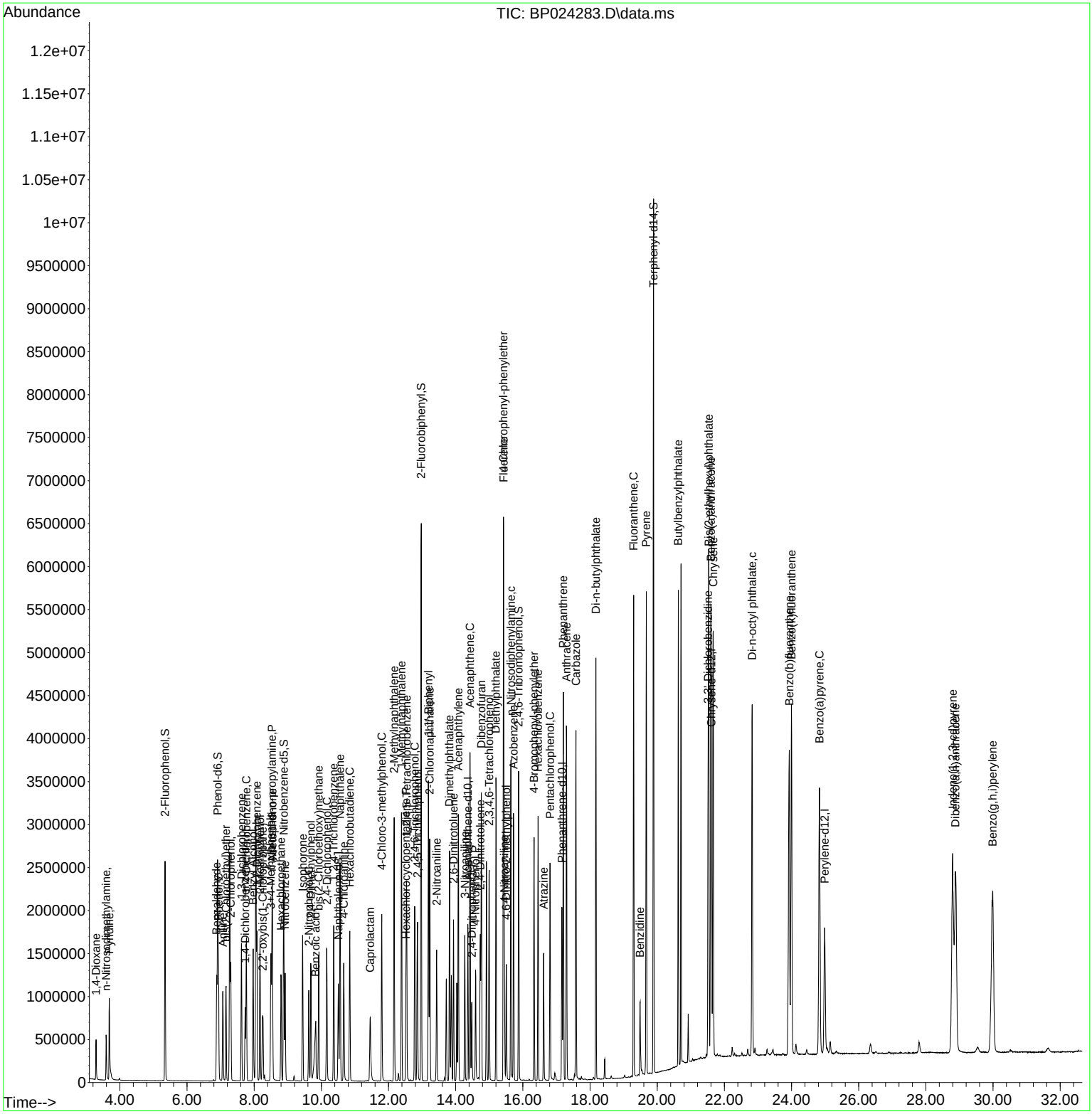
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.863	196	520298	42.828	ng	97
46) 1,1'-Biphenyl	13.187	154	1834570	41.595	ng	99
47) 2-Chloronaphthalene	13.228	162	1377424	41.786	ng	100
48) 2-Nitroaniline	13.434	65	392742	42.475	ng	98
49) Acenaphthylene	14.081	152	2168474	41.783	ng	99
50) Dimethylphthalate	13.816	163	1809923	41.478	ng	99
51) 2,6-Dinitrotoluene	13.940	165	398345	42.990	ng	97
52) Acenaphthene	14.428	154	1344151	40.853	ng	99
53) 3-Nitroaniline	14.275	138	427828	43.931	ng	98
54) 2,4-Dinitrophenol	14.481	184	231882	42.485	ng	98
55) Dibenzofuran	14.763	168	2187786	40.679	ng	99
56) 4-Nitrophenol	14.592	139	378214	44.968	ng	99
57) 2,4-Dinitrotoluene	14.734	165	550175	43.527	ng	97
58) Fluorene	15.428	166	1738215	41.750	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.998	232	470547	41.995	ng	99
60) Diethylphthalate	15.198	149	1869274	41.570	ng	99
61) 4-Chlorophenyl-phenyle...	15.422	204	844629	41.777	ng	99
62) 4-Nitroaniline	15.451	138	444482	43.114	ng	96
63) Azobenzene	15.722	77	1722900	41.686	ng	98
65) 4,6-Dinitro-2-methylph...	15.510	198	317548	42.724	ng	95
66) n-Nitrosodiphenylamine	15.645	169	1460282	41.500	ng	100
67) 4-Bromophenyl-phenylether	16.334	248	545579	42.314	ng	97
68) Hexachlorobenzene	16.451	284	642095	41.909	ng	96
69) Atrazine	16.622	200	282908	31.567	ng	98
70) Pentachlorophenol	16.810	266	458529	42.900	ng	99
71) Phenanthrene	17.204	178	2612052	40.615	ng	100
72) Anthracene	17.298	178	2606508	42.051	ng	100
73) Carbazole	17.581	167	2564955	42.351	ng	99
74) Di-n-butylphthalate	18.175	149	3360635	44.539	ng	100
75) Fluoranthene	19.298	202	3195045	41.771	ng	99
77) Benzidine	19.492	184	588487	36.041	ng	100
78) Pyrene	19.675	202	3276290	40.022	ng	99
80) Butylbenzylphthalate	20.627	149	1511473	43.107	ng	97
81) Benzo(a)anthracene	21.598	228	3299250	41.207	ng	99
82) 3,3'-Dichlorobenzidine	21.516	252	1212290	43.139	ng	99
83) Chrysene	21.669	228	3136332	40.888	ng	100
84) Bis(2-ethylhexyl)phtha...	21.539	149	2282222	44.400	ng	100
85) Di-n-octyl phthalate	22.827	149	3803266	45.513	ng	100
87) Indeno(1,2,3-cd)pyrene	28.798	276	3683586	35.927	ng	98
88) Benzo(b)fluoranthene	23.933	252	3654984	41.288	ng	99
89) Benzo(k)fluoranthene	23.998	252	3512834	41.081	ng	100
90) Benzo(a)pyrene	24.833	252	3196130	41.855	ng	99
91) Dibenzo(a,h)anthracene	28.880	278	3566000	41.902	ng	98
92) Benzo(g,h,i)perylene	29.992	276	3590938	41.455	ng	98

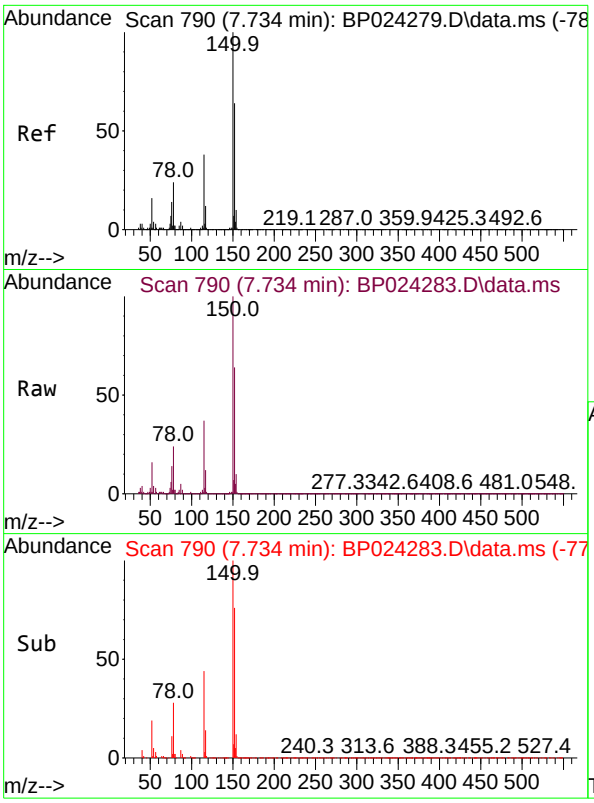
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration



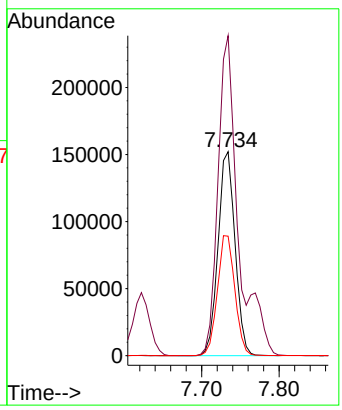


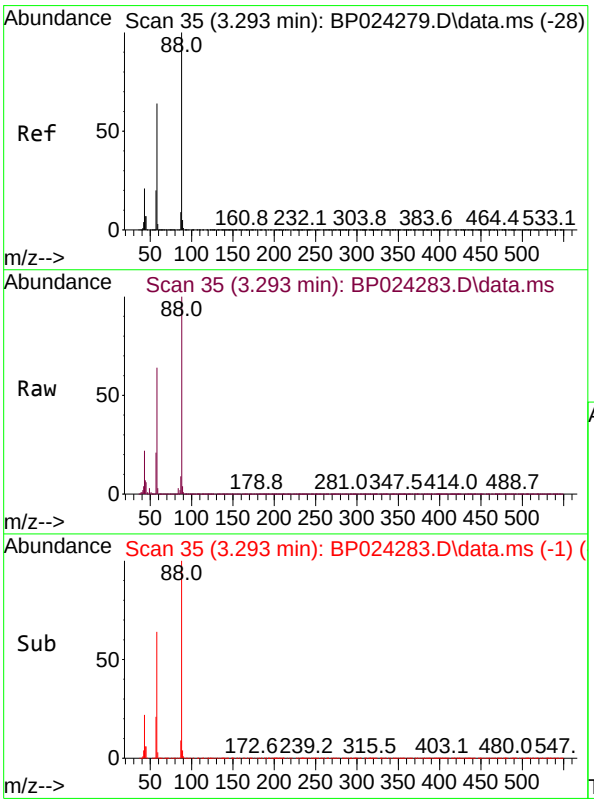
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.734 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:152 Resp: 232241

Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.9	187.3
115	58.6	47.7	71.5

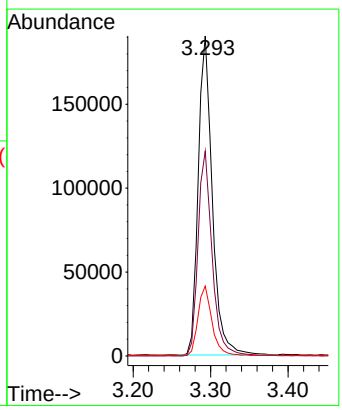


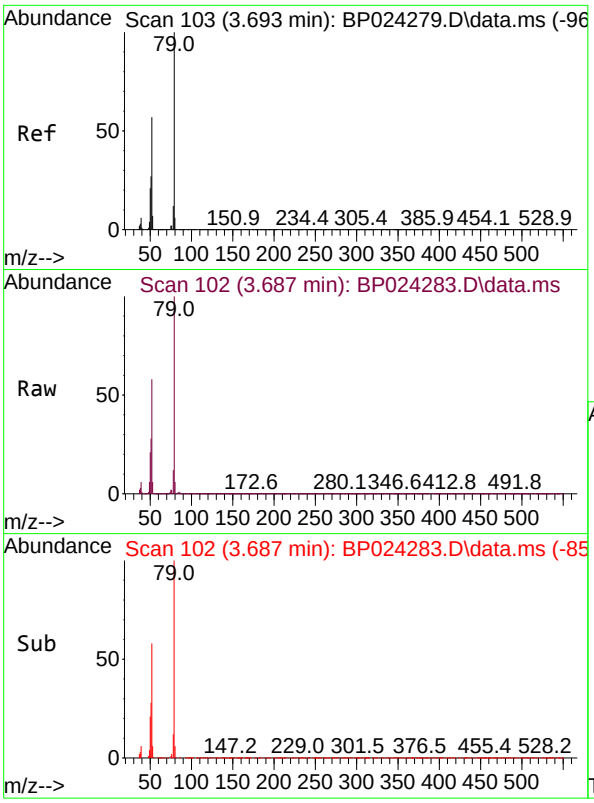


#2
1,4-Dioxane
Concen: 40.412 ng
RT: 3.293 min Scan# 35
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion: 88 Resp: 240091

Ion	Ratio	Lower	Upper
88	100		
58	64.4	51.4	77.2
43	21.7	17.1	25.7



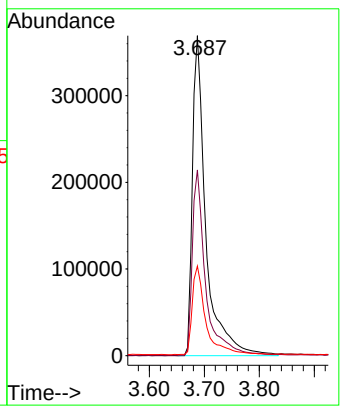


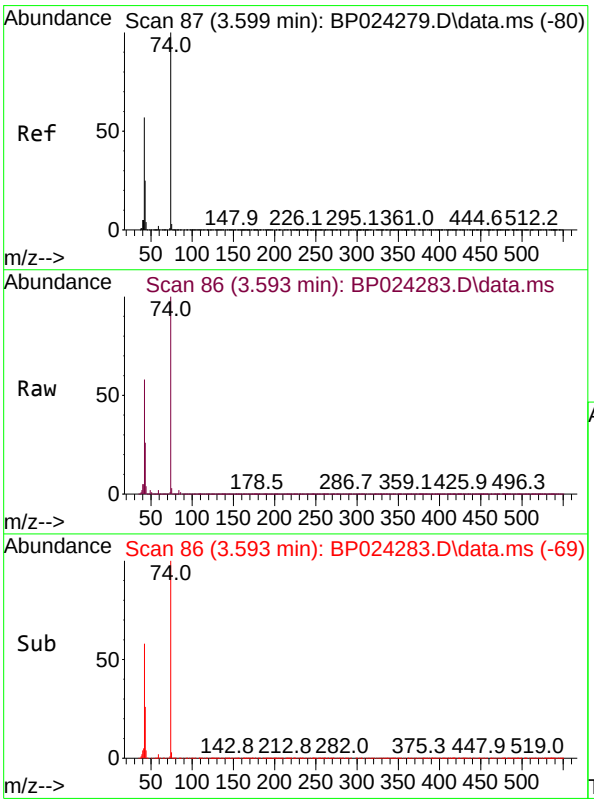
#3
Pyridine
Concen: 39.955 ng
RT: 3.687 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion: 79 Resp: 626813

Ion	Ratio	Lower	Upper
79	100		
52	58.1	45.4	68.2
51	28.0	22.6	33.8

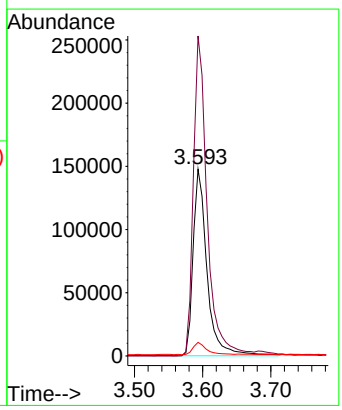


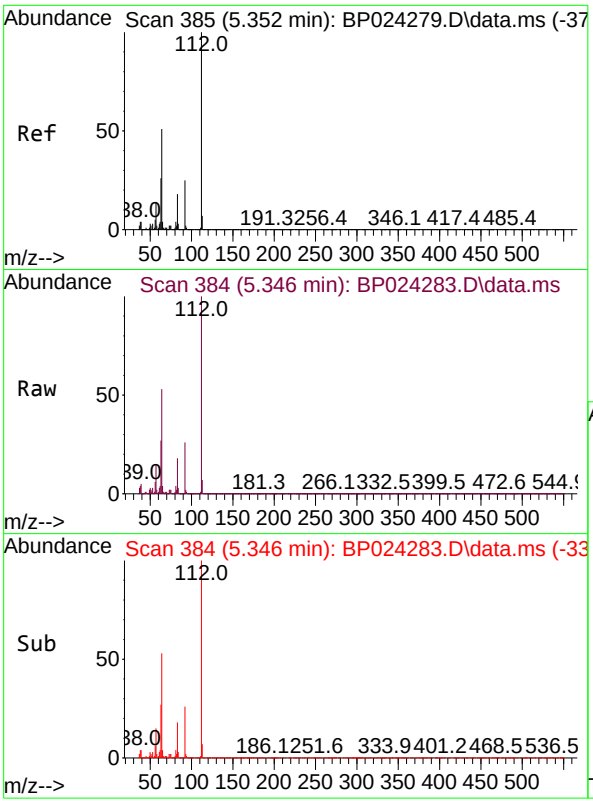


#4
n-Nitrosodimethylamine
Concen: 40.205 ng
RT: 3.593 min Scan# 86
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion: 42 Resp: 209326

Ion	Ratio	Lower	Upper
42	100		
74	171.4	139.5	209.3
44	7.3	5.8	8.8



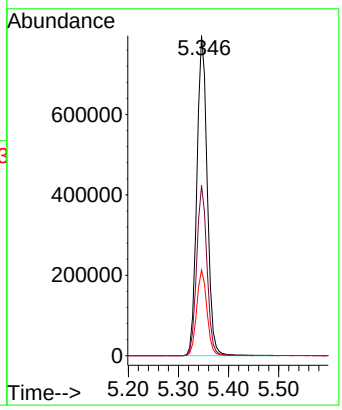


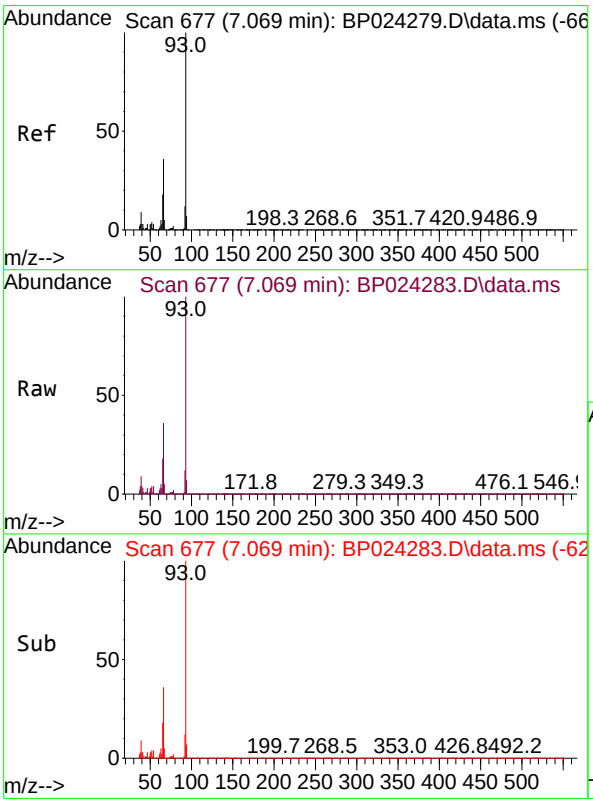
#5
2-Fluorophenol
Concen: 81.302 ng
RT: 5.346 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:112 Resp: 1141956

Ion	Ratio	Lower	Upper
112	100		
64	53.2	41.1	61.7
63	26.8	20.6	30.8

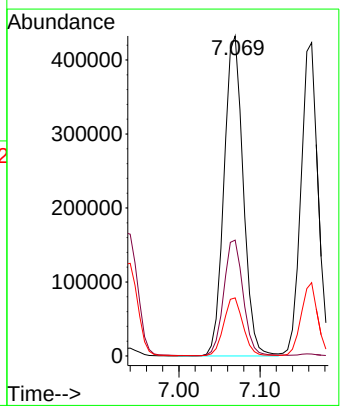


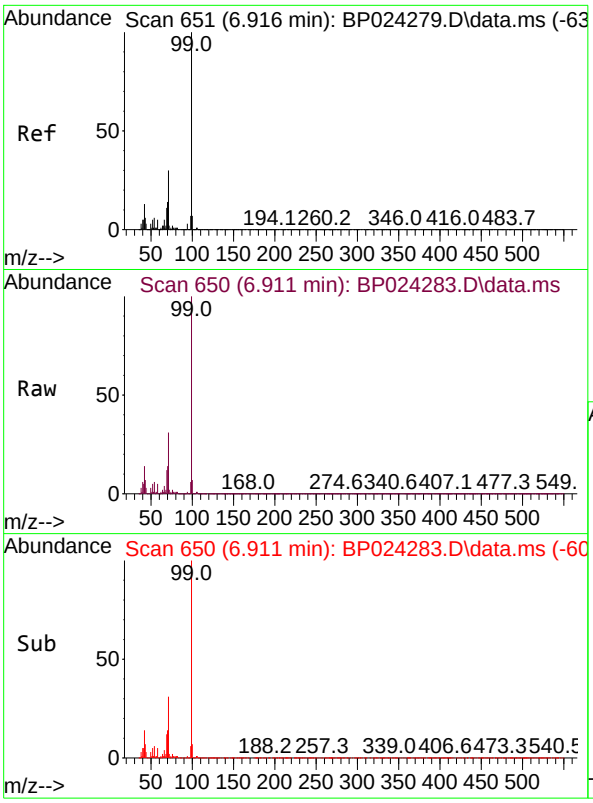


#6
Aniline
Concen: 41.370 ng
RT: 7.069 min Scan# 677
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion: 93 Resp: 710981

Ion	Ratio	Lower	Upper
93	100		
66	36.2	29.1	43.7
65	18.2	14.7	22.1



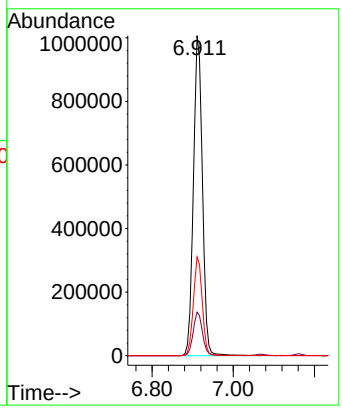


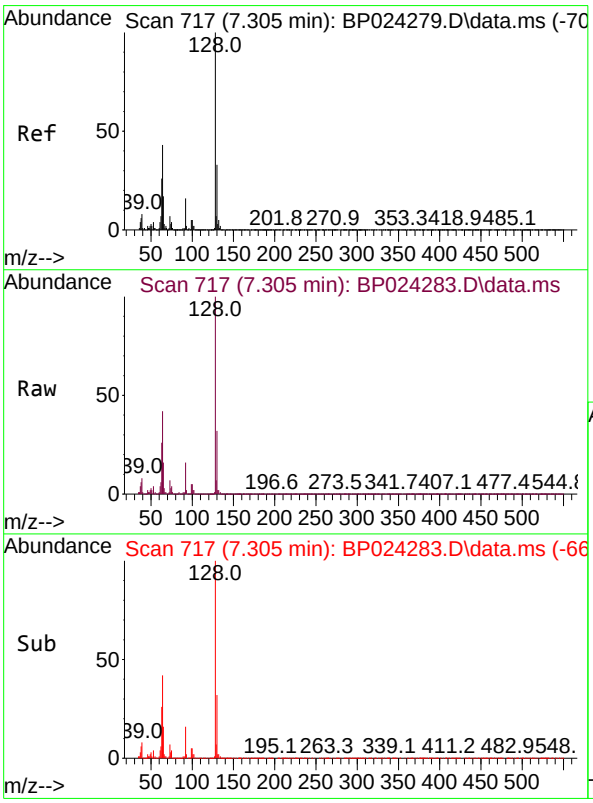
#7
Phenol-d6
Concen: 81.063 ng
RT: 6.911 min Scan# 6
Delta R.T. -0.005 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion: 99 Resp: 1559050

Ion	Ratio	Lower	Upper
99	100		
42	13.6	10.6	16.0
71	30.9	23.7	35.5

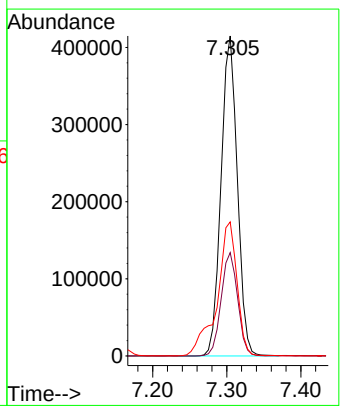


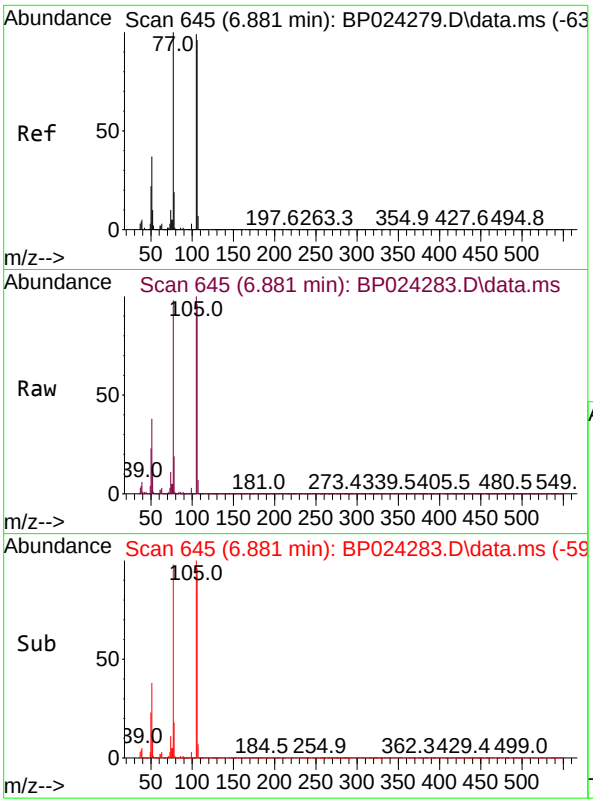


#8
2-Chlorophenol
Concen: 40.334 ng
RT: 7.305 min Scan# 717
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:128 Resp: 632515

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.9	52.9
64	41.9	22.7	62.7



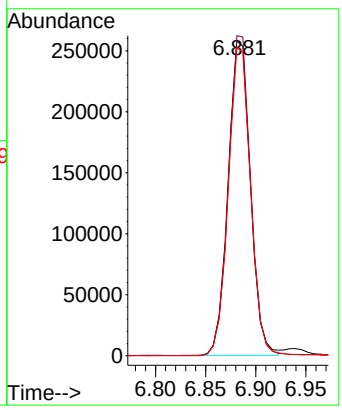


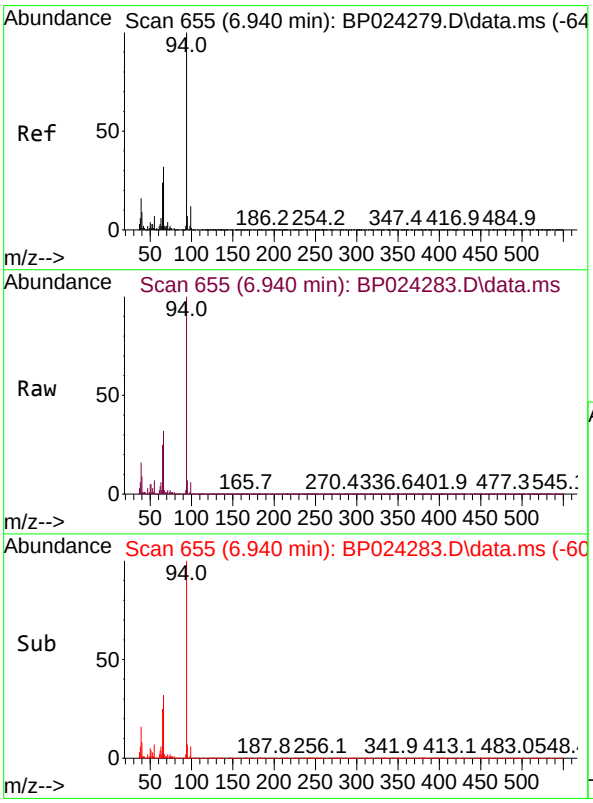
#9
Benzaldehyde
Concen: 42.024 ng
RT: 6.881 min Scan# 64
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion: 77 Resp: 399803

Ion	Ratio	Lower	Upper
77	100		
105	101.7	79.2	119.2
106	98.0	76.2	116.2

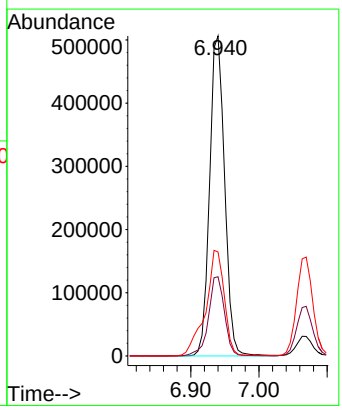


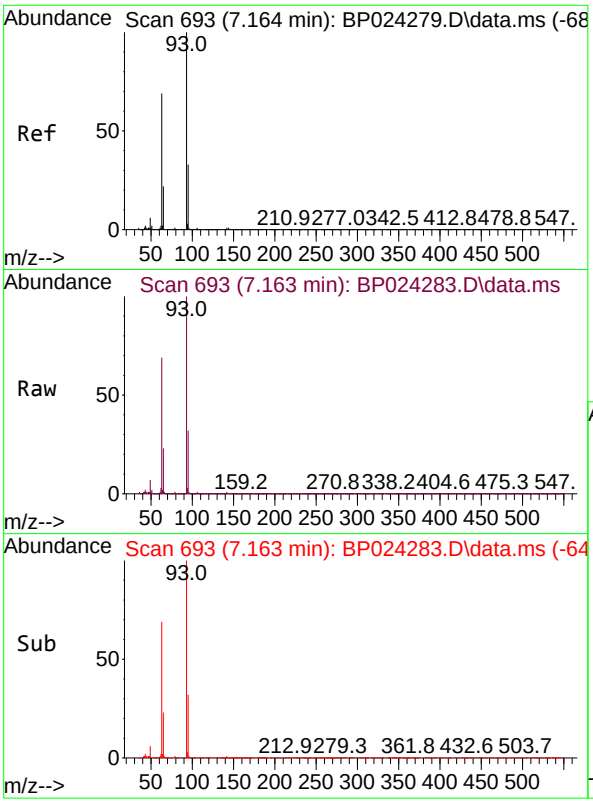


#10
Phenol
Concen: 40.306 ng
RT: 6.940 min Scan# 655
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion: 94 Resp: 777631

Ion	Ratio	Lower	Upper
94	100		
65	24.7	4.5	44.5
66	32.5	12.4	52.4



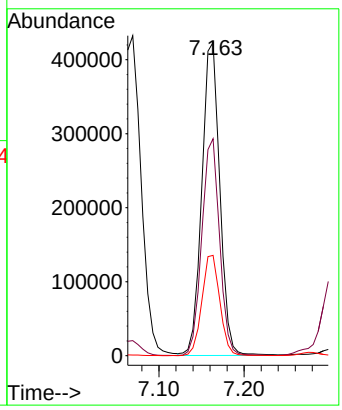


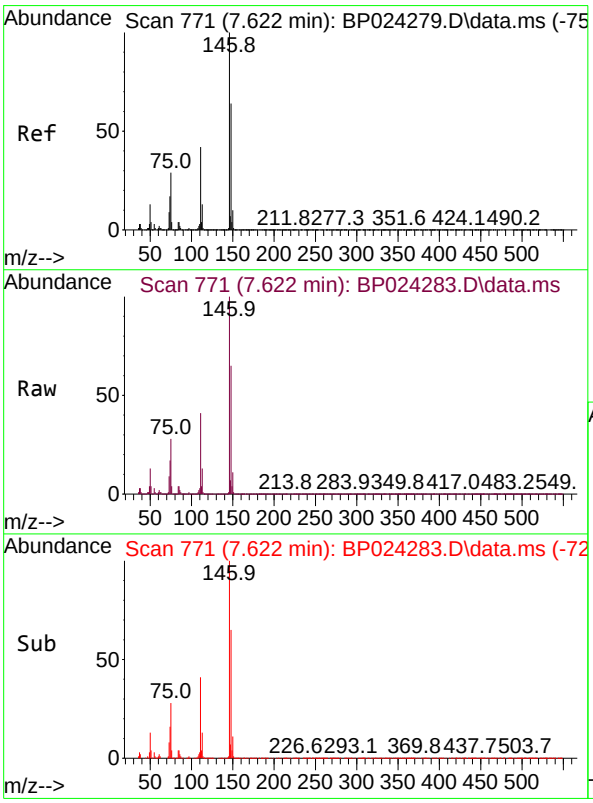
#11
bis(2-Chloroethyl)ether
Concen: 39.902 ng
RT: 7.163 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion: 93 Resp: 620261

Ion	Ratio	Lower	Upper
93	100		
63	69.2	48.6	88.6
95	32.0	12.3	52.3

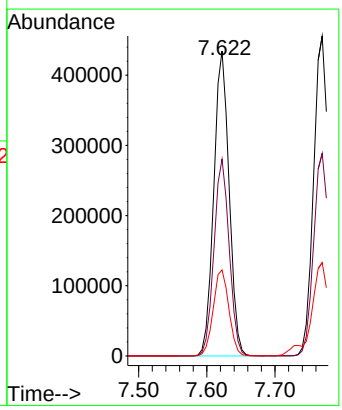


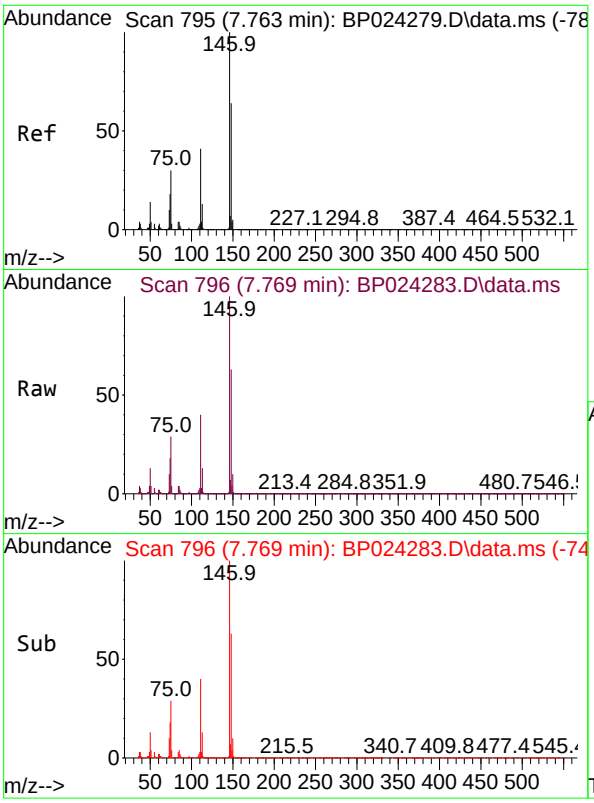


#12
1,3-Dichlorobenzene
Concen: 40.298 ng
RT: 7.622 min Scan# 771
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:146 Resp: 680343

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.4	77.0
75	28.2	22.9	34.3



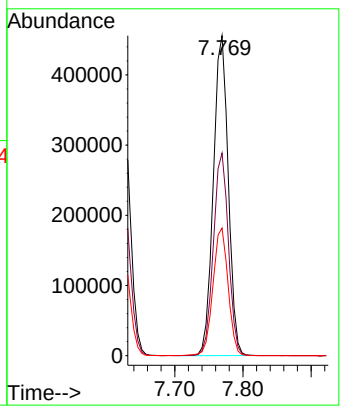


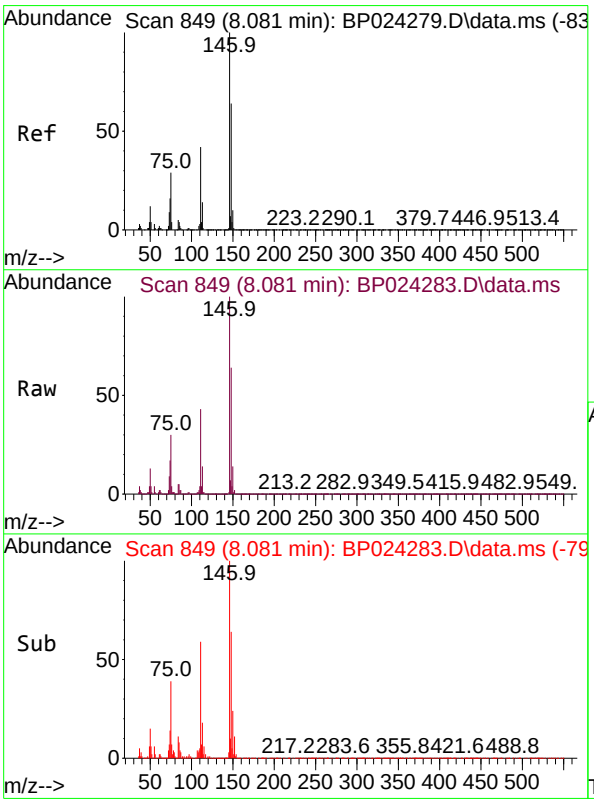
#13
1,4-Dichlorobenzene
Concen: 40.516 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:146 Resp: 694020

Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.1	76.7
111	39.9	32.6	48.8

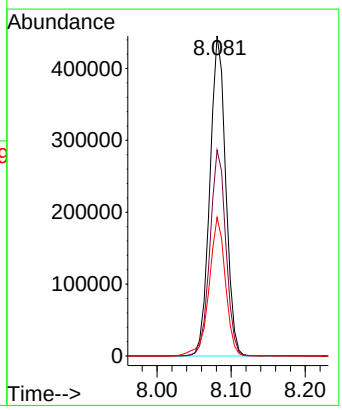


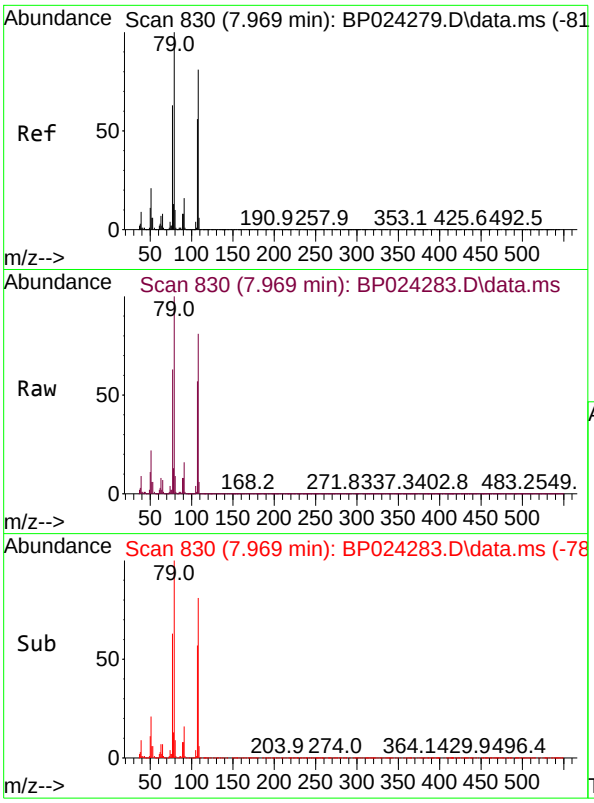


#14
1,2-Dichlorobenzene
Concen: 39.898 ng
RT: 8.081 min Scan# 849
Delta R.T. 0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:146 Resp: 659947

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.0	76.4
111	43.3	33.8	50.8



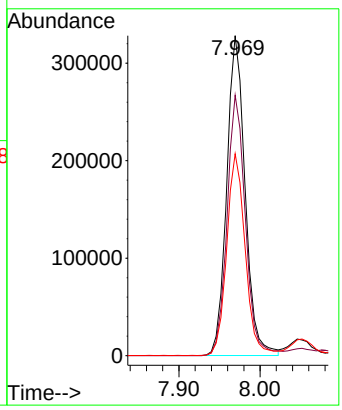


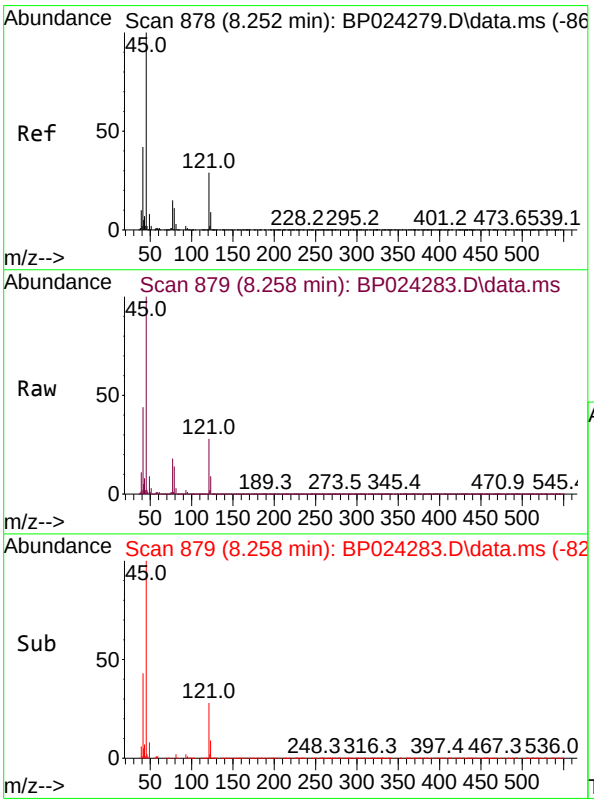
#15
Benzyl Alcohol
Concen: 41.621 ng
RT: 7.969 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion: 79 Resp: 517678

Ion	Ratio	Lower	Upper
79	100		
108	81.4	65.1	97.7
77	63.1	50.7	76.1

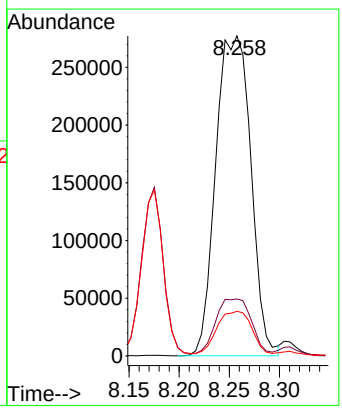


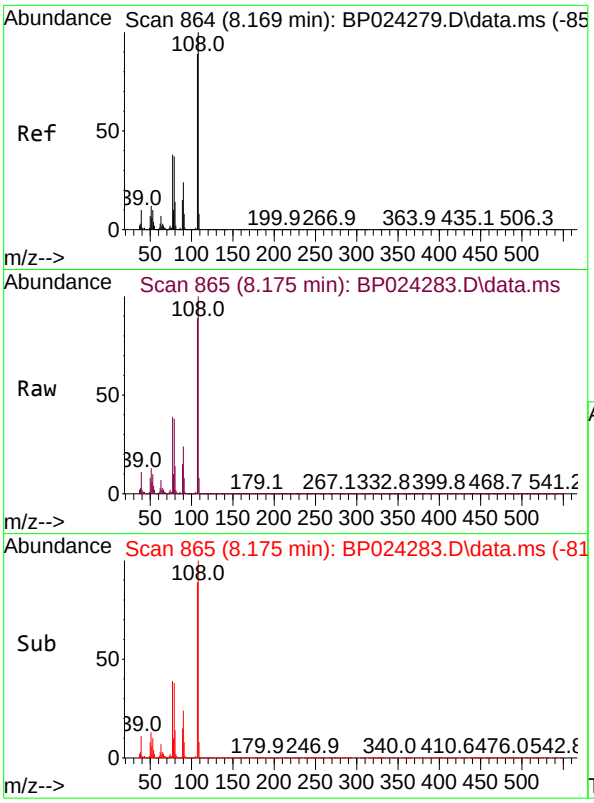


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.173 ng
RT: 8.258 min Scan# 879
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion: 45 Resp: 674999

Ion	Ratio	Lower	Upper
45	100		
77	17.8	0.0	37.7
79	13.9	0.0	33.5



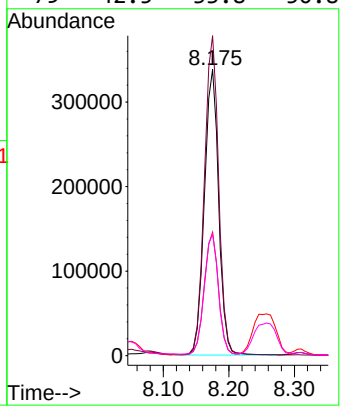


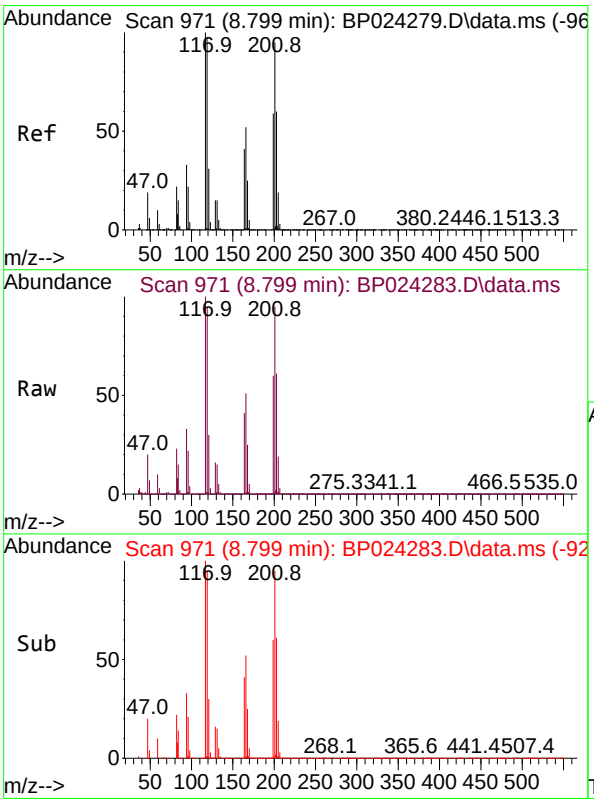
#17
2-Methylphenol
Concen: 41.046 ng
RT: 8.175 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:107 Resp: 512292

Ion	Ratio	Lower	Upper
107	100		
108	111.8	89.8	134.6
77	43.2	34.2	51.4
79	42.5	33.8	50.8

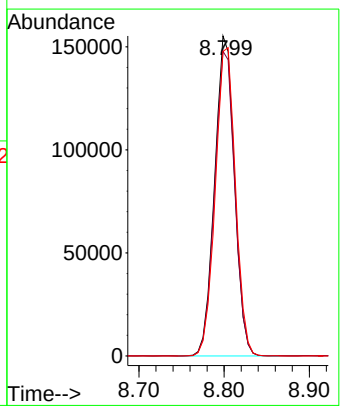


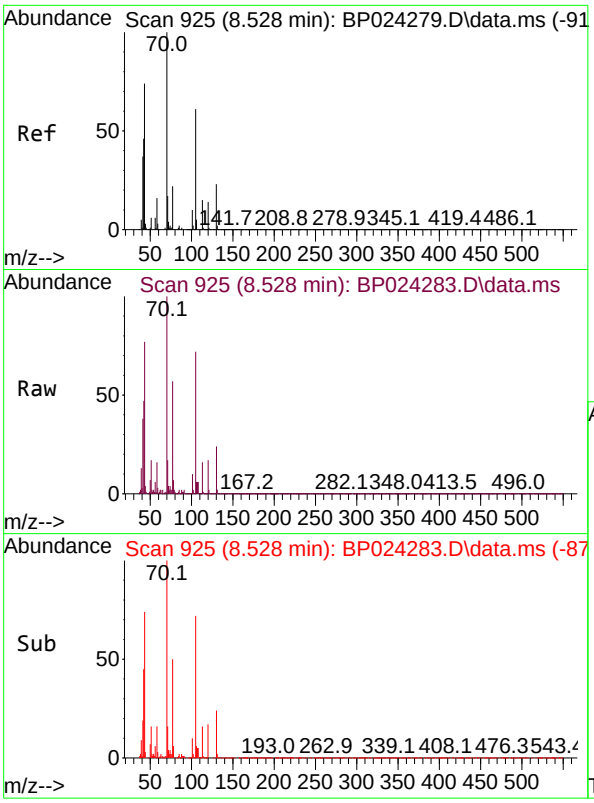


#18
Hexachloroethane
Concen: 40.522 ng
RT: 8.799 min Scan# 971
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:117 Resp: 250852

Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.8	116.6
201	95.1	75.9	113.9



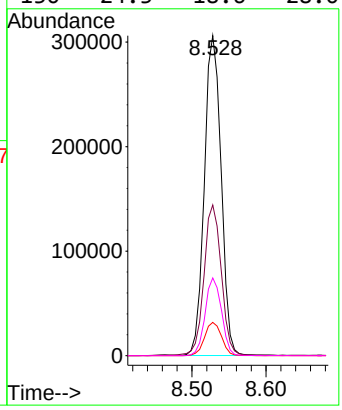


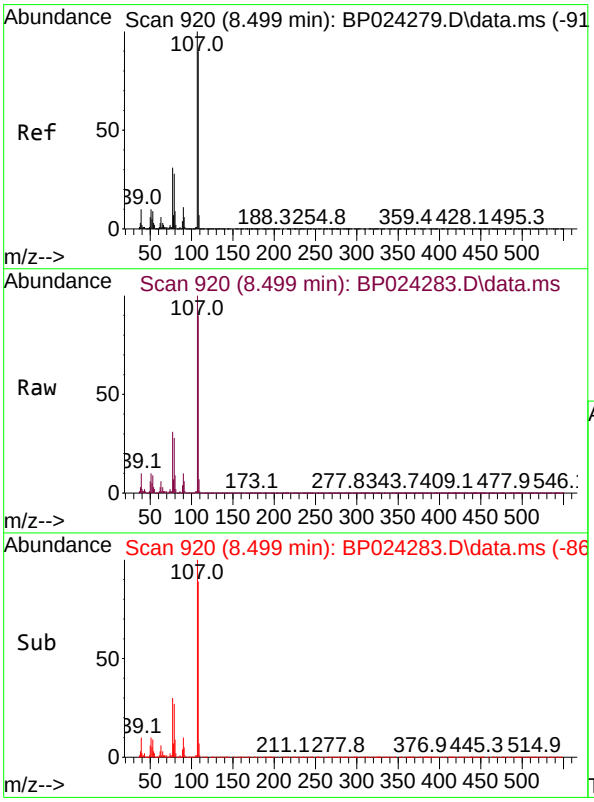
#19
n-Nitroso-di-n-propylamine
Concen: 40.471 ng
RT: 8.528 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion: 70 Resp: 481540

Ion	Ratio	Lower	Upper
70	100		
42	47.1	37.3	55.9
101	10.4	8.2	12.4
130	24.3	18.6	28.0

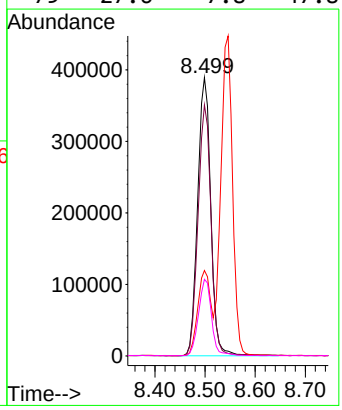


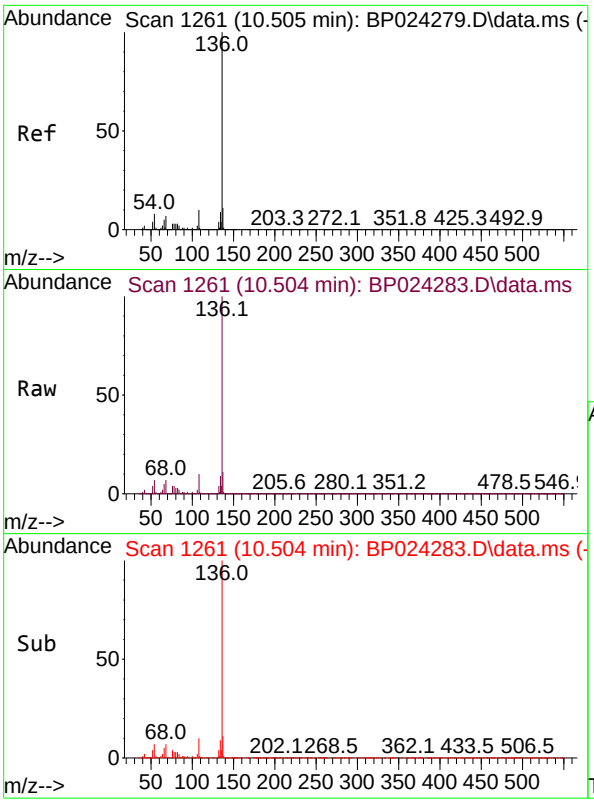


#20
3+4-Methylphenols
Concen: 40.810 ng
RT: 8.499 min Scan# 920
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:107 Resp: 706733

Ion	Ratio	Lower	Upper
107	100		
108	90.2	69.8	109.8
77	30.7	11.5	51.5
79	27.6	7.8	47.8



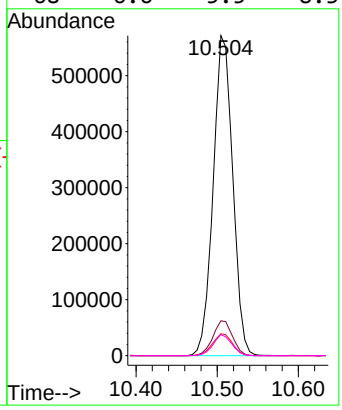


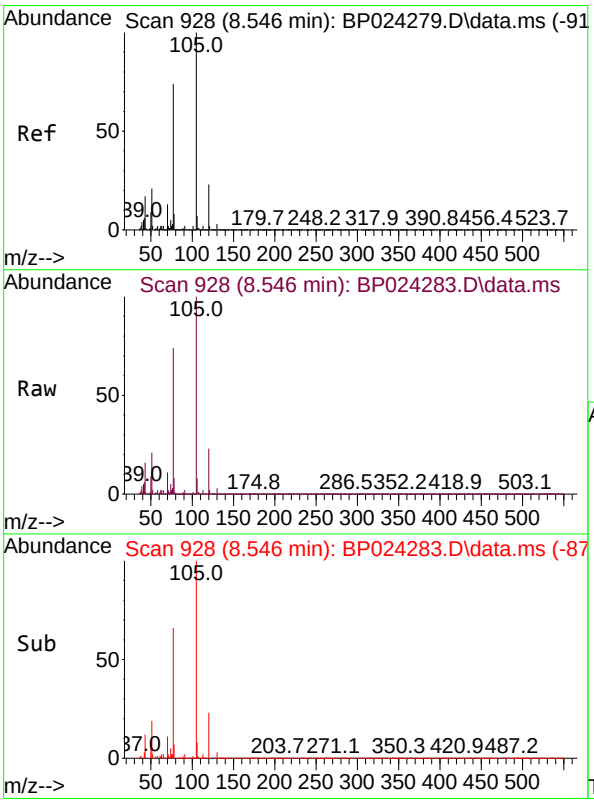
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.504 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:136 Resp: 956448

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	6.8	6.0	9.0
68	6.6	5.5	8.3

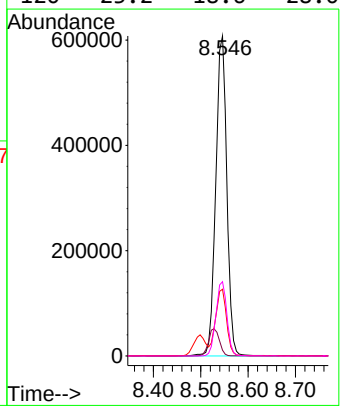


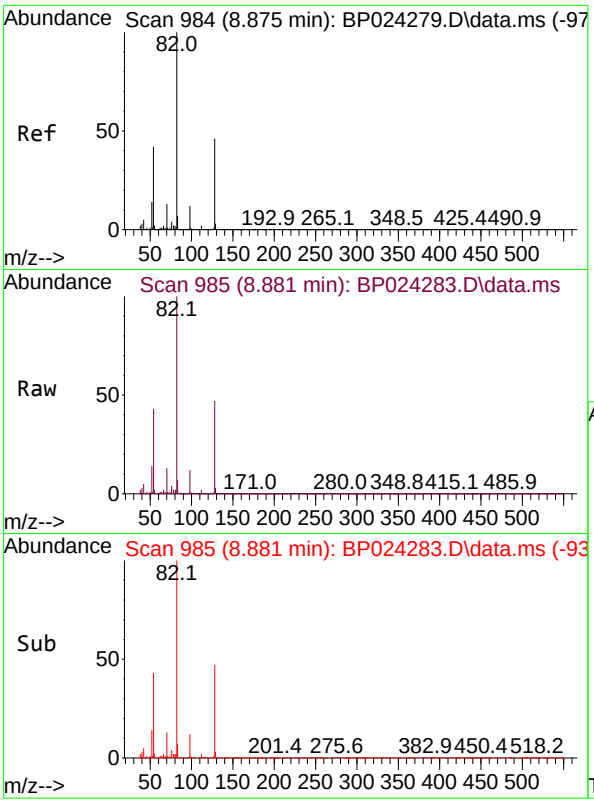


#22
Acetophenone
Concen: 41.652 ng
RT: 8.546 min Scan# 928
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:105 Resp: 986019

Ion	Ratio	Lower	Upper
105	100		
71	1.8	1.7	2.5
51	20.8	16.9	25.3
120	23.2	18.6	28.0



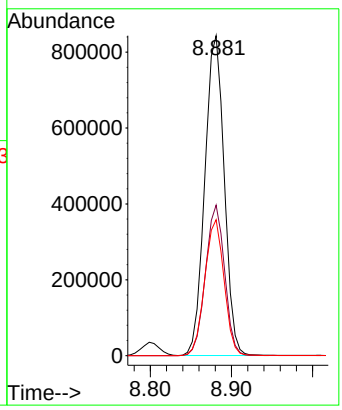


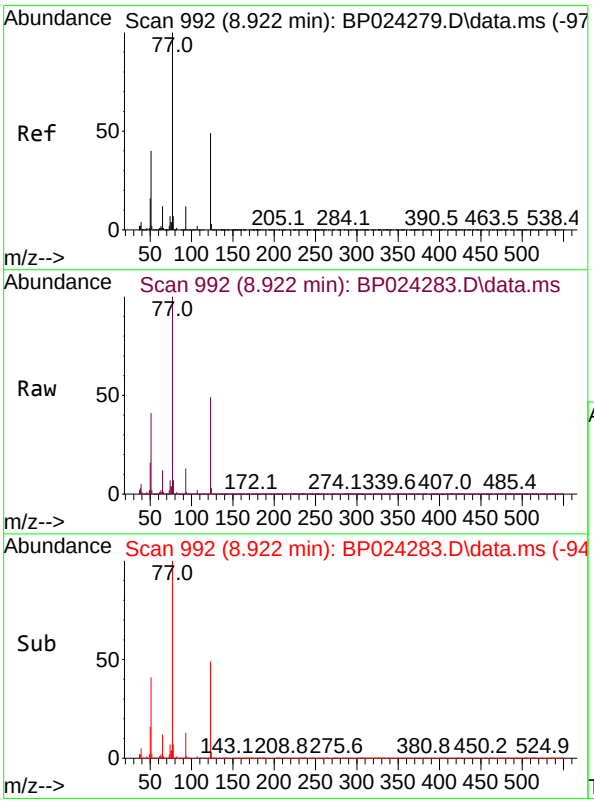
#23
Nitrobenzene-d5
Concen: 83.531 ng
RT: 8.881 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion: 82 Resp: 1401115

Ion	Ratio	Lower	Upper
82	100		
128	47.0	36.5	54.7
54	42.5	33.4	50.2

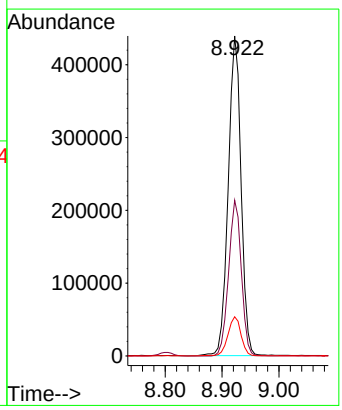


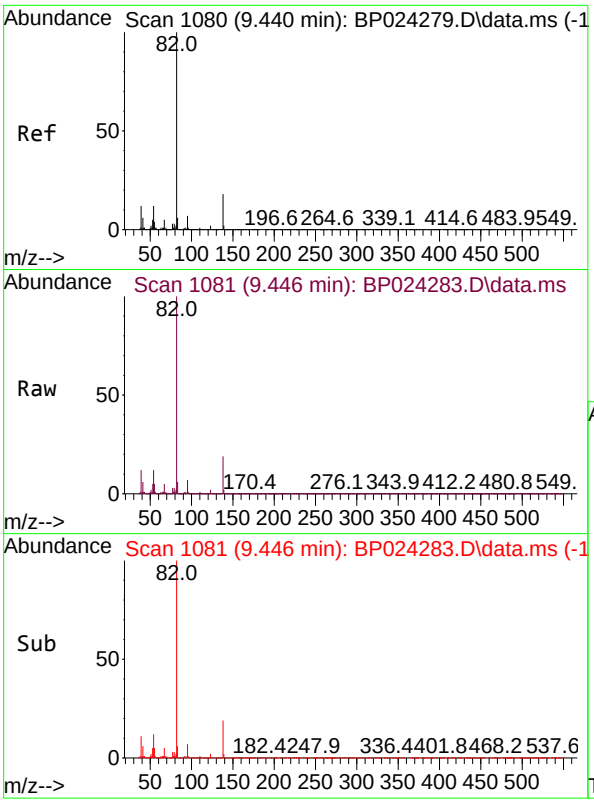


#24
Nitrobenzene
Concen: 41.537 ng
RT: 8.922 min Scan# 992
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion: 77 Resp: 689231

Ion	Ratio	Lower	Upper
77	100		
123	48.7	39.2	58.8
65	12.2	9.8	14.6



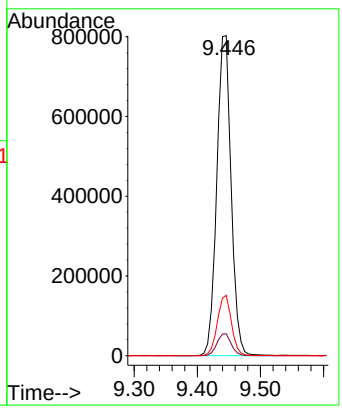


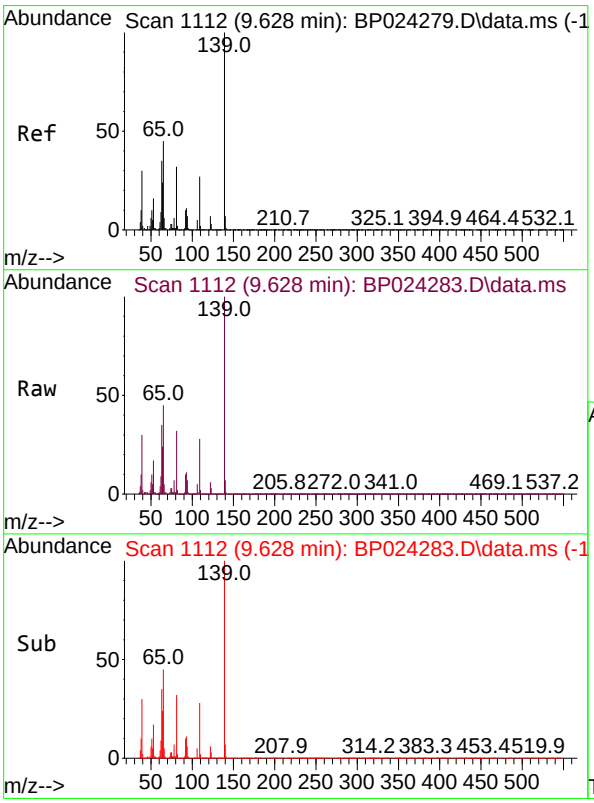
#25
Isophorone
Concen: 41.648 ng
RT: 9.446 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion: 82 Resp: 1264480

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.4	8.2
138	18.8	14.4	21.6

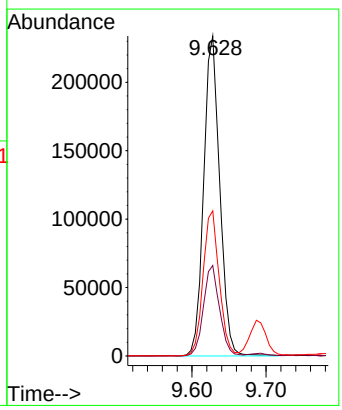


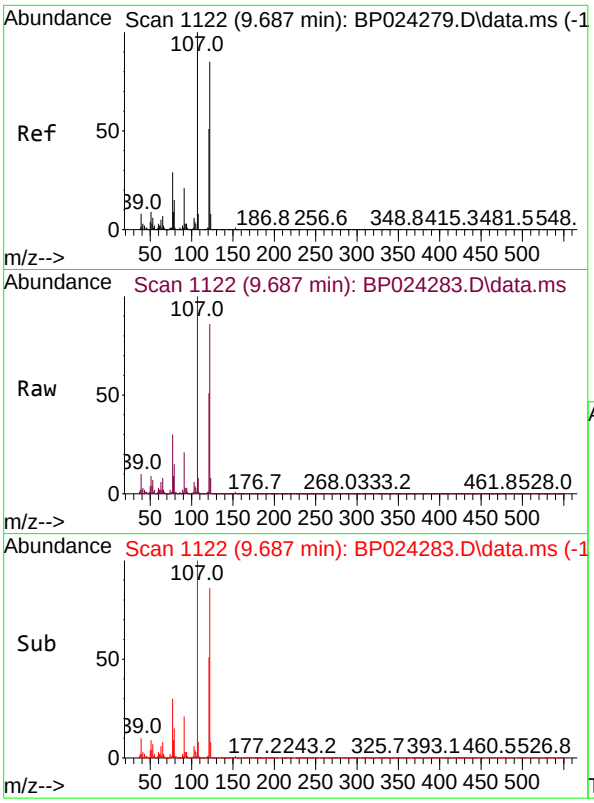


#26
2-Nitrophenol
Concen: 43.376 ng
RT: 9.628 min Scan# 1112
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:139 Resp: 352229

Ion	Ratio	Lower	Upper
139	100		
109	28.2	21.8	32.6
65	45.3	36.2	54.2



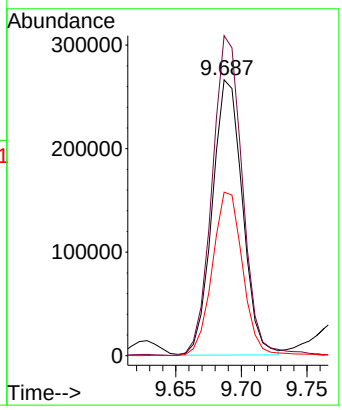


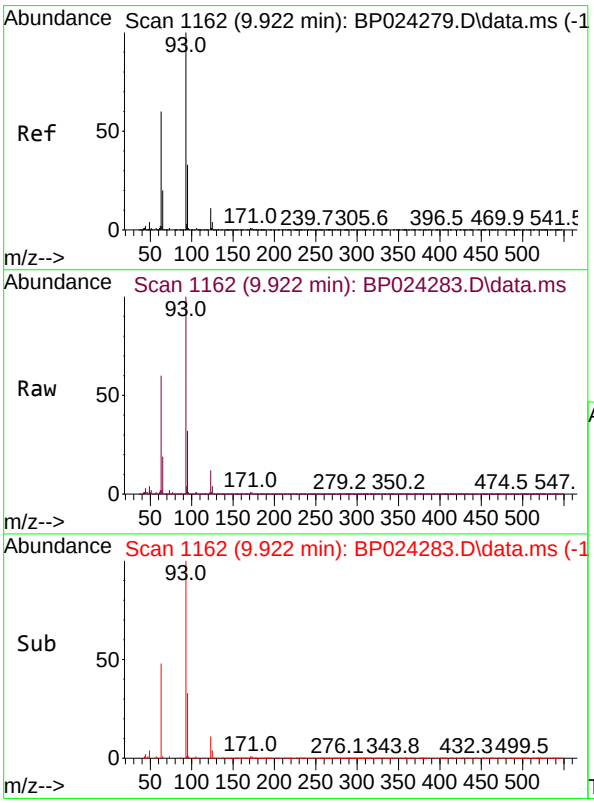
#27
2,4-Dimethylphenol
Concen: 41.689 ng
RT: 9.687 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:122 Resp: 425062

Ion	Ratio	Lower	Upper
122	100		
107	116.0	93.7	140.5
121	59.3	48.2	72.2

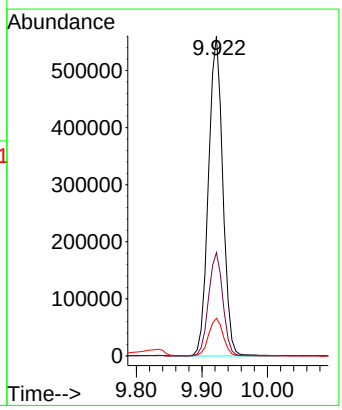


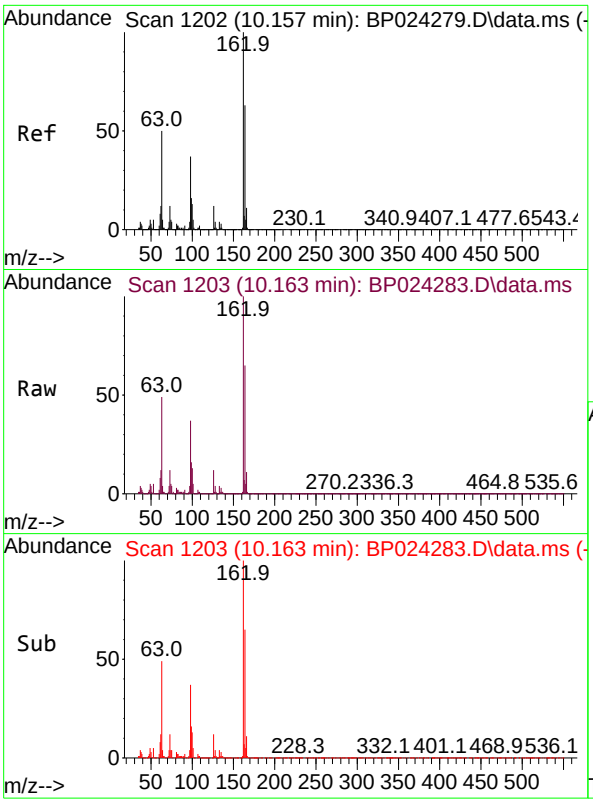


#28
bis(2-Chloroethoxy)methane
Concen: 41.402 ng
RT: 9.922 min Scan# 1162
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion: 93 Resp: 849161

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.0	39.0
123	11.7	9.1	13.7



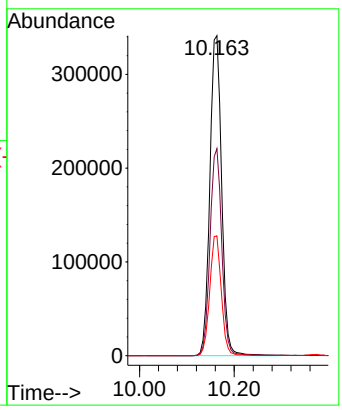


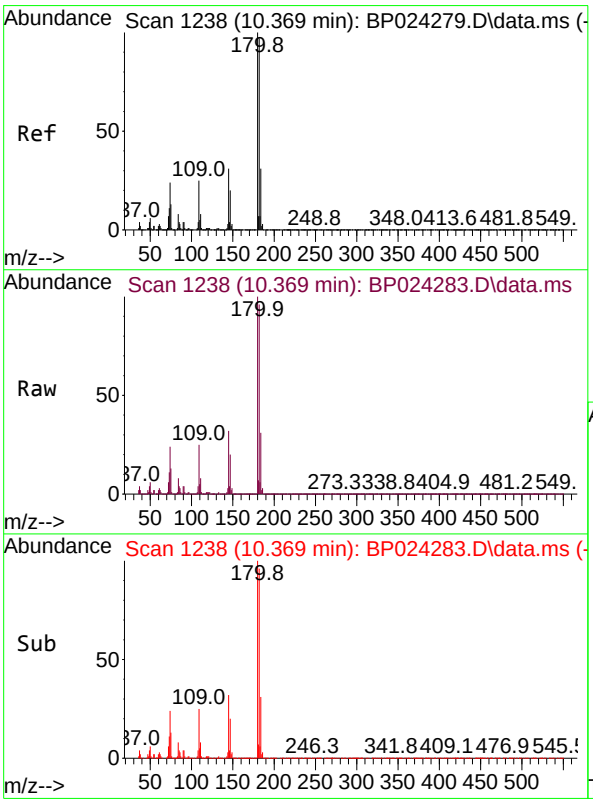
#29
2,4-Dichlorophenol
Concen: 42.461 ng
RT: 10.163 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:162 Resp: 590306

Ion	Ratio	Lower	Upper
162	100		
164	64.7	43.3	83.3
98	37.4	16.6	56.6

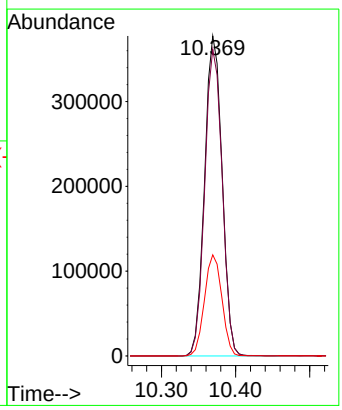


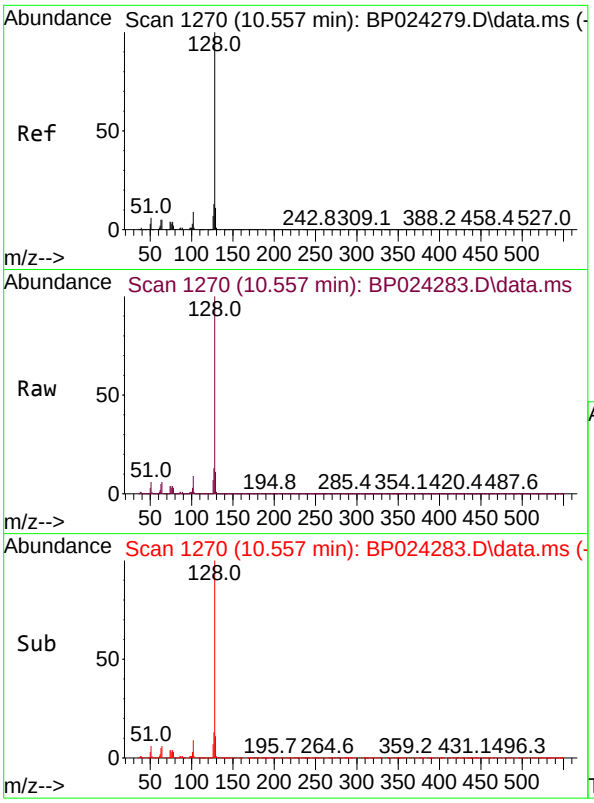


#30
1,2,4-Trichlorobenzene
Concen: 41.612 ng
RT: 10.369 min Scan# 1238
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:180 Resp: 619818

Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.3	115.9
145	31.6	25.1	37.7



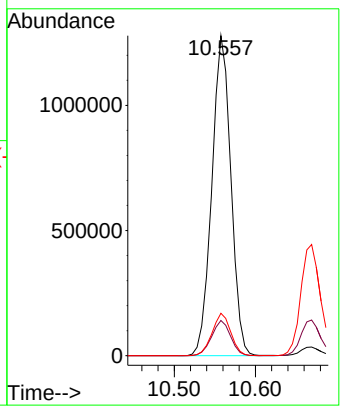


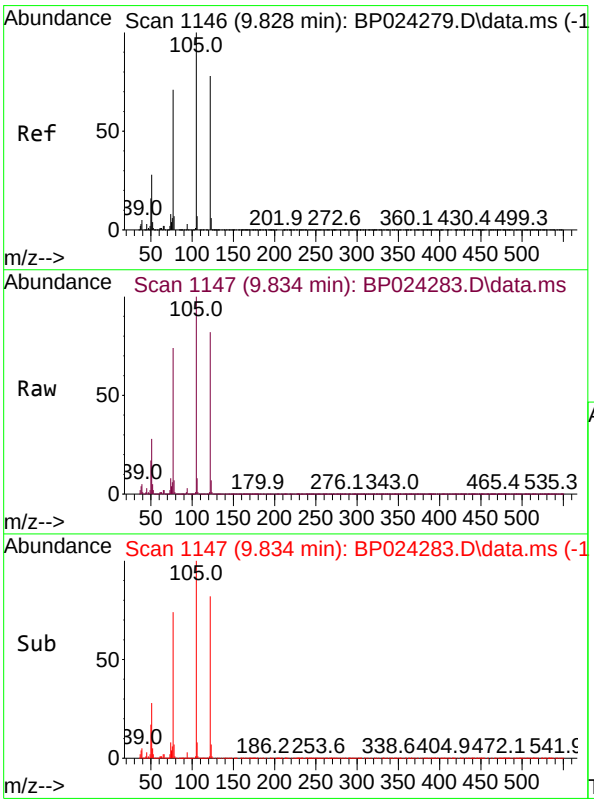
#31
Naphthalene
Concen: 41.386 ng
RT: 10.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:128 Resp: 2085090

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	13.0
127	13.2	10.3	15.5

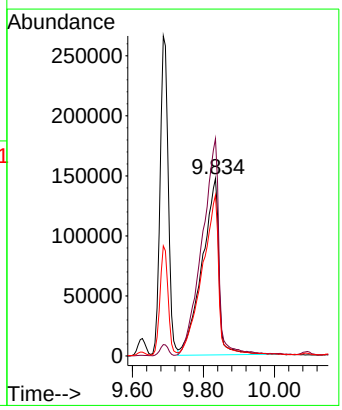


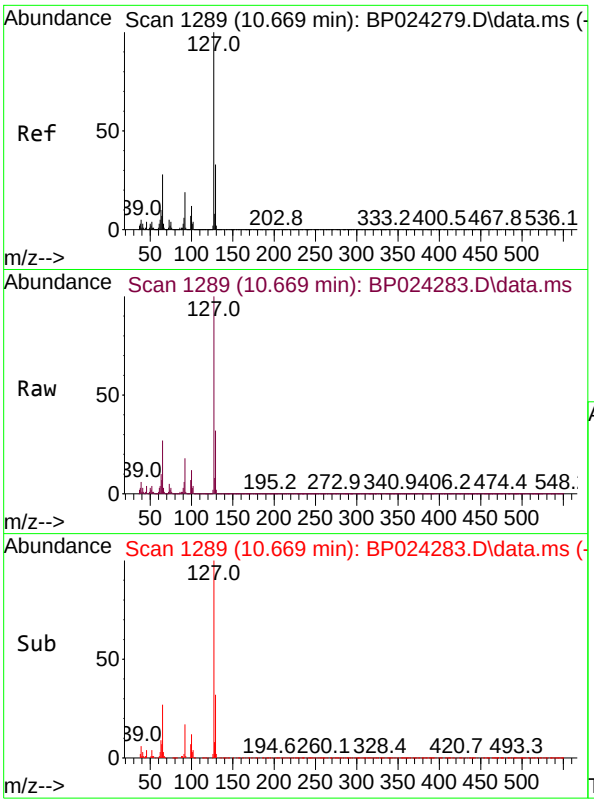


#32
Benzoic acid
Concen: 40.959 ng
RT: 9.834 min Scan# 1147
Delta R.T. -0.041 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:122 Resp: 486627

Ion	Ratio	Lower	Upper
122	100		
105	122.5	104.8	144.8
77	90.6	69.2	109.2



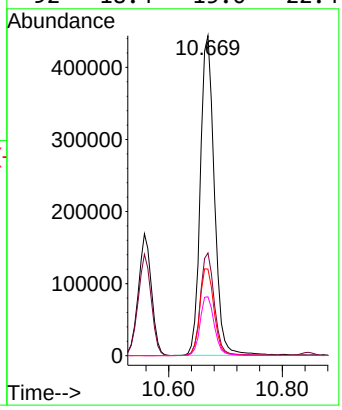


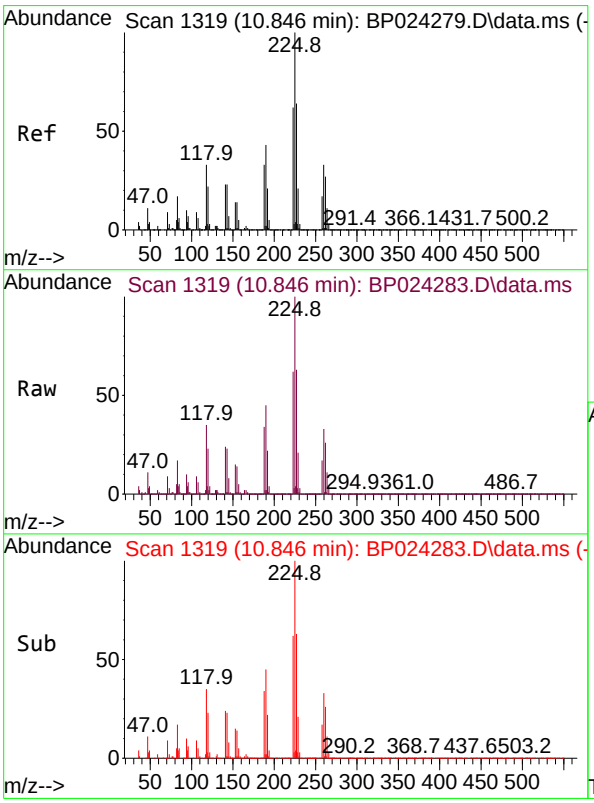
#33
4-Chloroaniline
Concen: 42.937 ng
RT: 10.669 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:127 Resp: 761817

Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.1	39.1
65	27.1	22.1	33.1
92	18.4	15.0	22.4

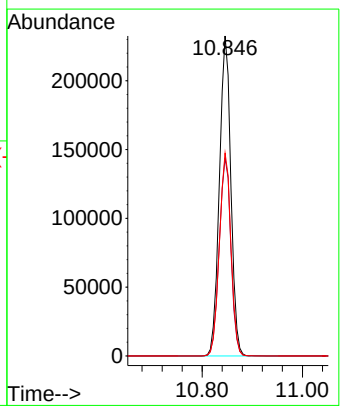


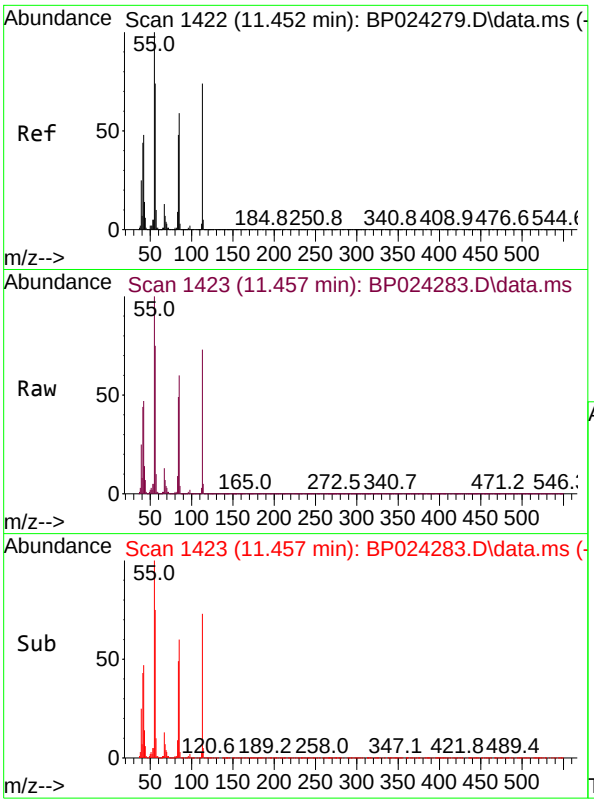


#34
Hexachlorobutadiene
Concen: 42.007 ng
RT: 10.846 min Scan# 1319
Delta R.T. 0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:225 Resp: 367684

Ion	Ratio	Lower	Upper
225	100		
223	61.9	49.5	74.3
227	63.4	50.9	76.3



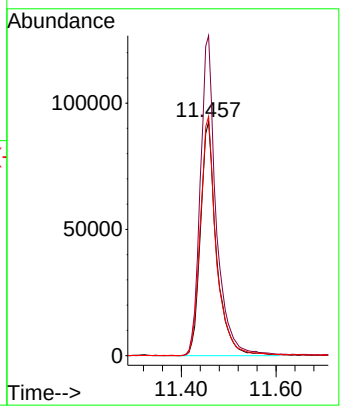


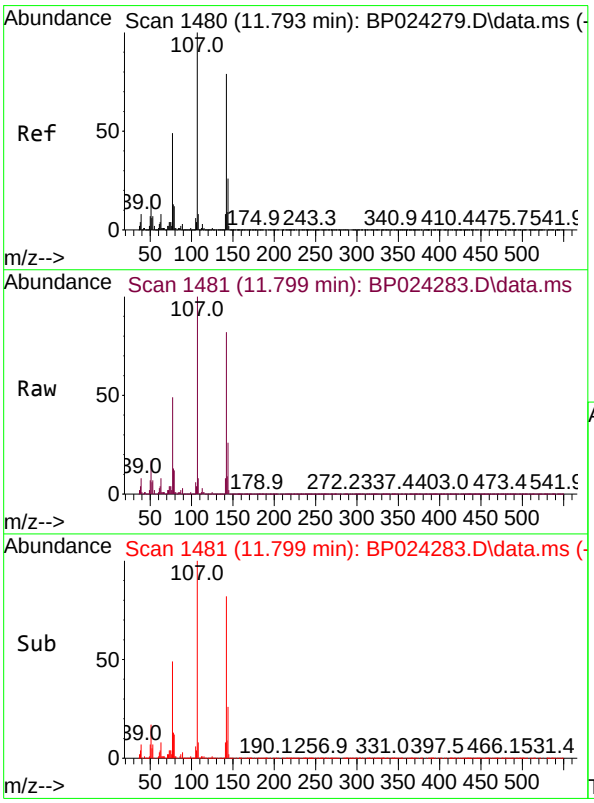
#35
Caprolactam
Concen: 42.152 ng
RT: 11.457 min Scan# 14
Delta R.T. -0.023 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:113 Resp: 216229

Ion	Ratio	Lower	Upper
113	100		
55	136.8	115.9	155.9
56	102.3	81.1	121.1

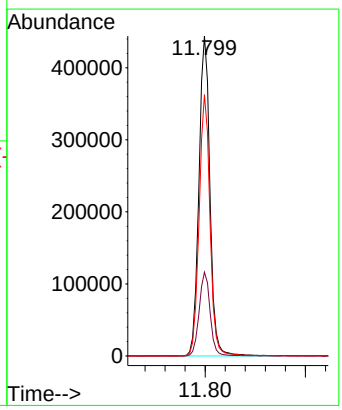


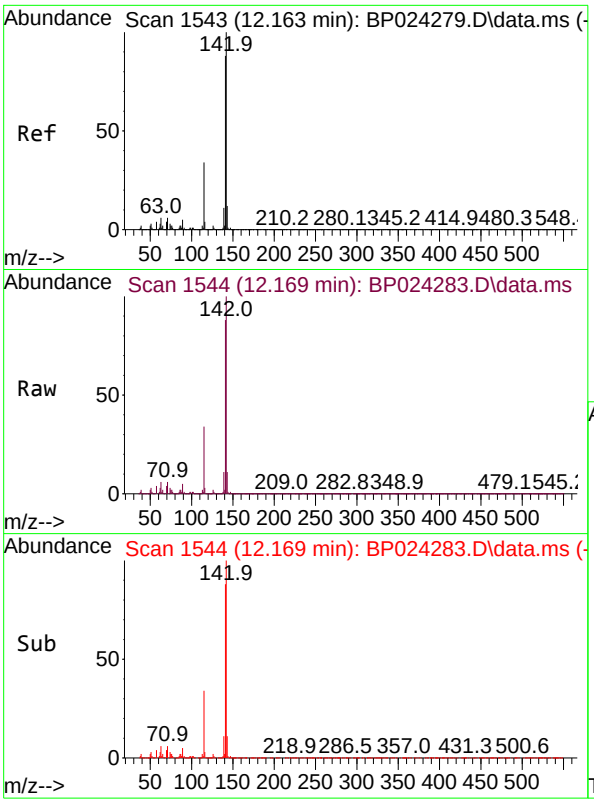


#36
4-Chloro-3-methylphenol
Concen: 41.737 ng
RT: 11.799 min Scan# 1481
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:107 Resp: 675857

Ion	Ratio	Lower	Upper
107	100		
144	26.2	20.5	30.7
142	81.6	63.4	95.2



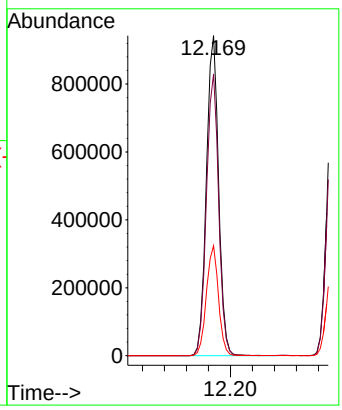


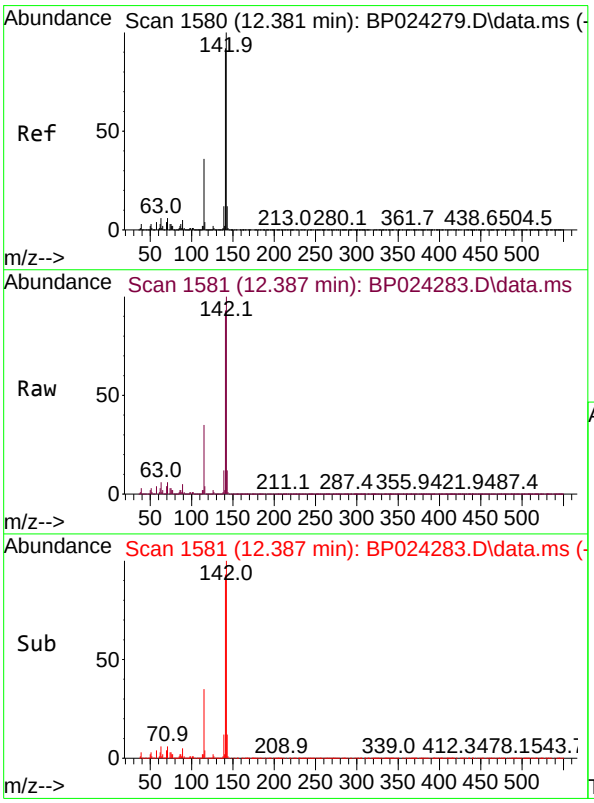
#37
2-Methylnaphthalene
Concen: 41.403 ng
RT: 12.169 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:142 Resp: 1446647

Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.3	105.5
115	34.4	26.9	40.3

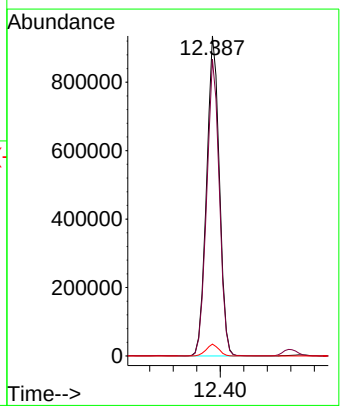


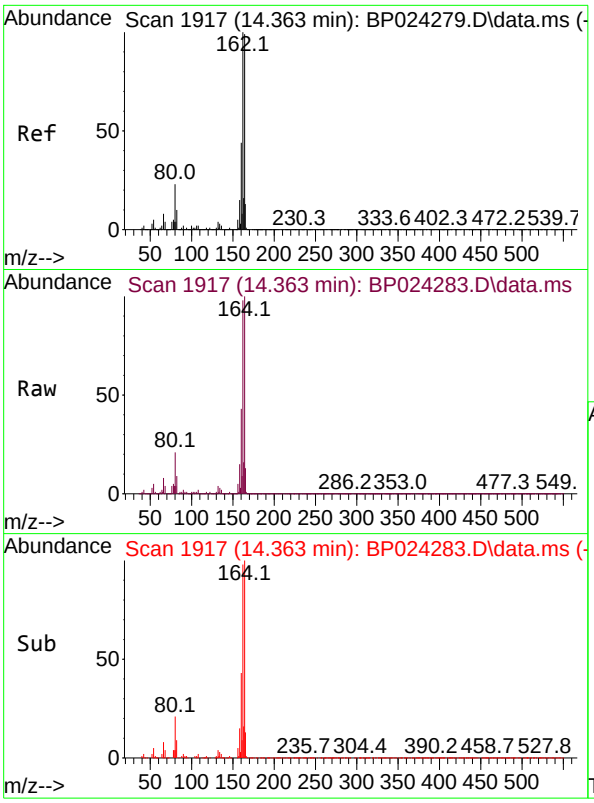


#38
1-Methylnaphthalene
Concen: 41.210 ng
RT: 12.387 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:142 Resp: 1408633

Ion	Ratio	Lower	Upper
142	100		
141	92.7	73.6	110.4
116	3.7	3.0	4.6



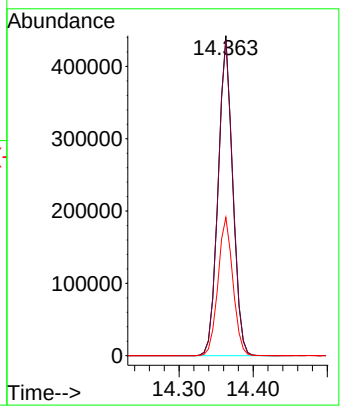


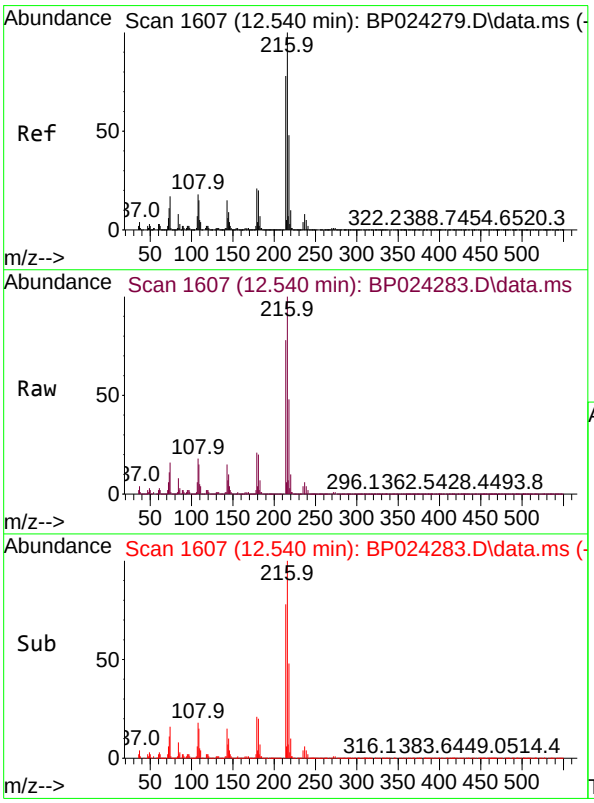
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.363 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:164 Resp: 600031

Ion	Ratio	Lower	Upper
164	100		
162	98.5	80.6	120.8
160	43.2	35.3	52.9

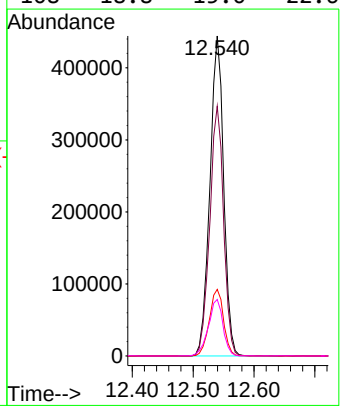


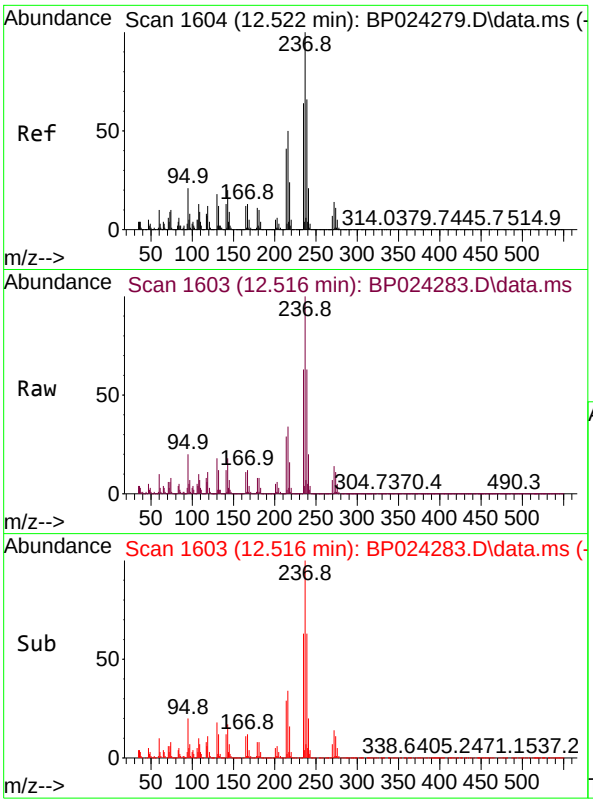


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.275 ng
RT: 12.540 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:216 Resp: 697580

Ion	Ratio	Lower	Upper
216	100		
214	78.6	62.6	93.8
179	21.5	17.2	25.8
108	18.8	15.0	22.6



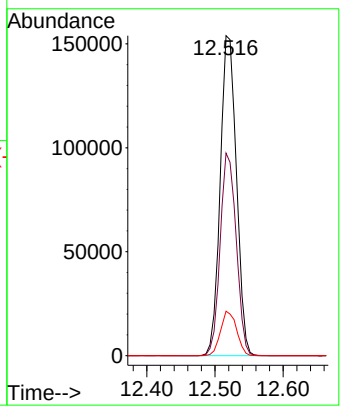


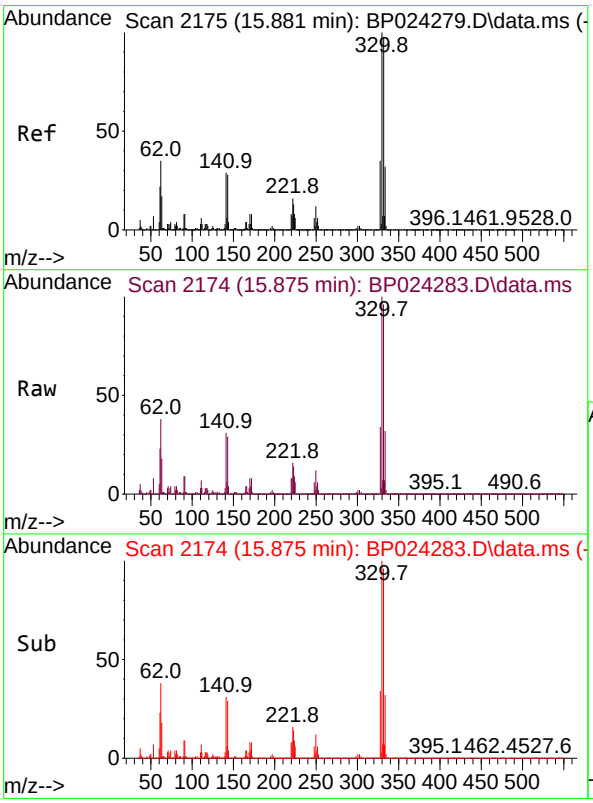
#41
Hexachlorocyclopentadiene
Concen: 43.639 ng
RT: 12.516 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:237 Resp: 254676

Ion	Ratio	Lower	Upper
237	100		
235	63.3	43.9	83.9
272	13.9	0.0	33.6

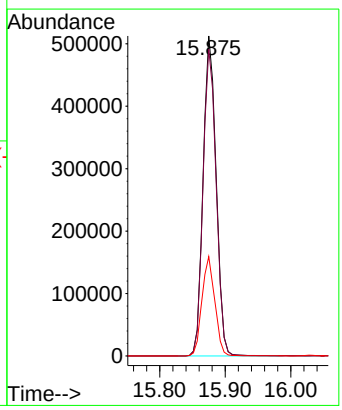


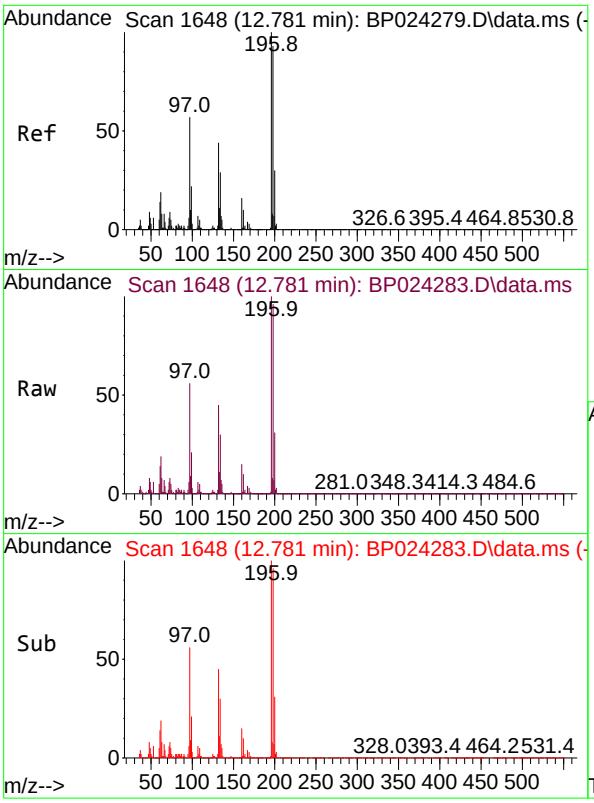


#42
2,4,6-Tribromophenol
Concen: 85.488 ng
RT: 15.875 min Scan# 2174
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:330 Resp: 709703

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.1	115.7
141	30.7	24.7	37.1



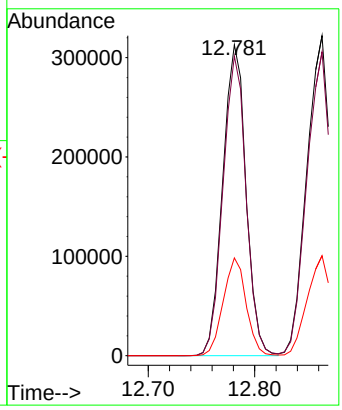


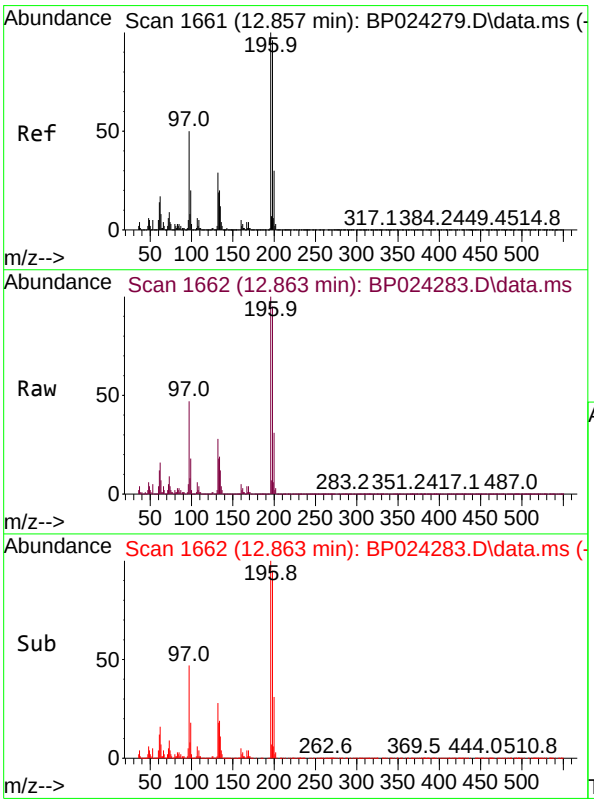
#43
2,4,6-Trichlorophenol
Concen: 43.329 ng
RT: 12.781 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:196 Resp: 475349

Ion	Ratio	Lower	Upper
196	100		
198	96.3	74.3	111.5
200	31.4	24.0	36.0

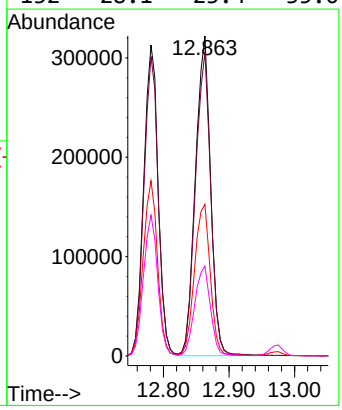


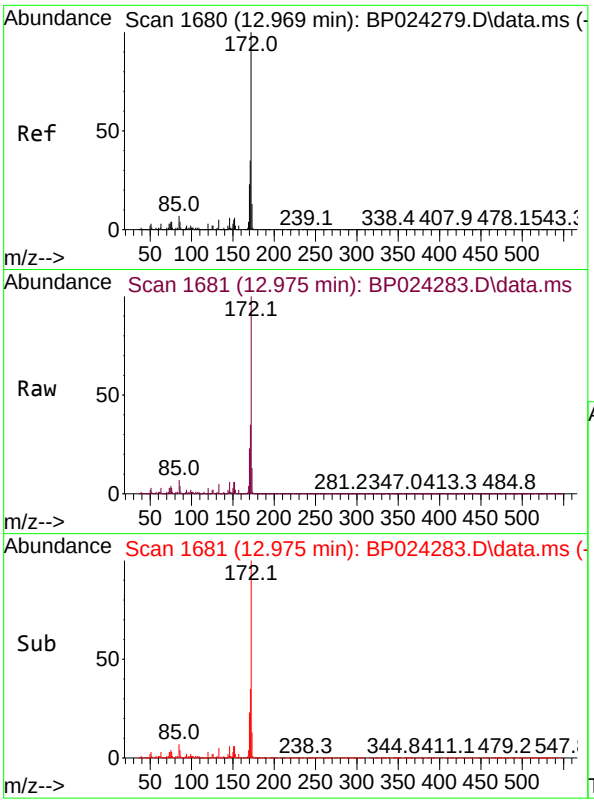


#44
2,4,5-Trichlorophenol
Concen: 42.828 ng
RT: 12.863 min Scan# 1662
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:196 Resp: 520298

Ion	Ratio	Lower	Upper
196	100		
198	95.0	77.3	115.9
97	47.4	40.4	60.6
132	28.1	23.4	35.0



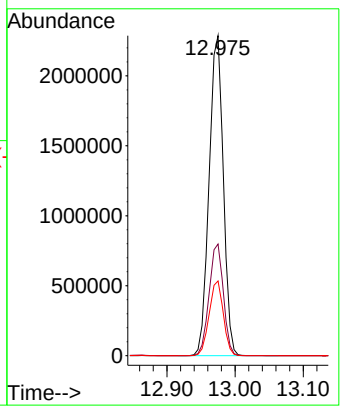


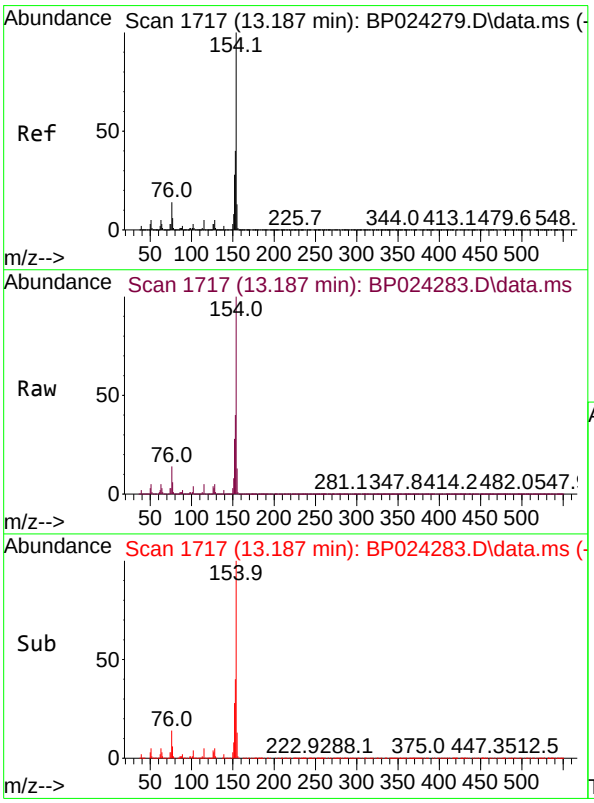
#45
2-Fluorobiphenyl
Concen: 84.715 ng
RT: 12.975 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:172 Resp: 3319933

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.2	42.2
170	23.3	18.6	27.8

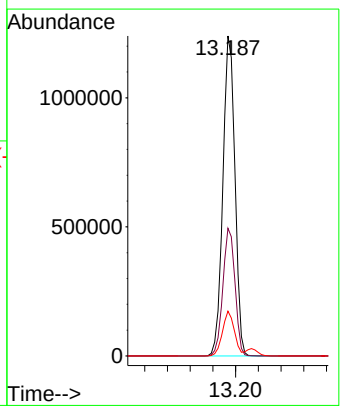


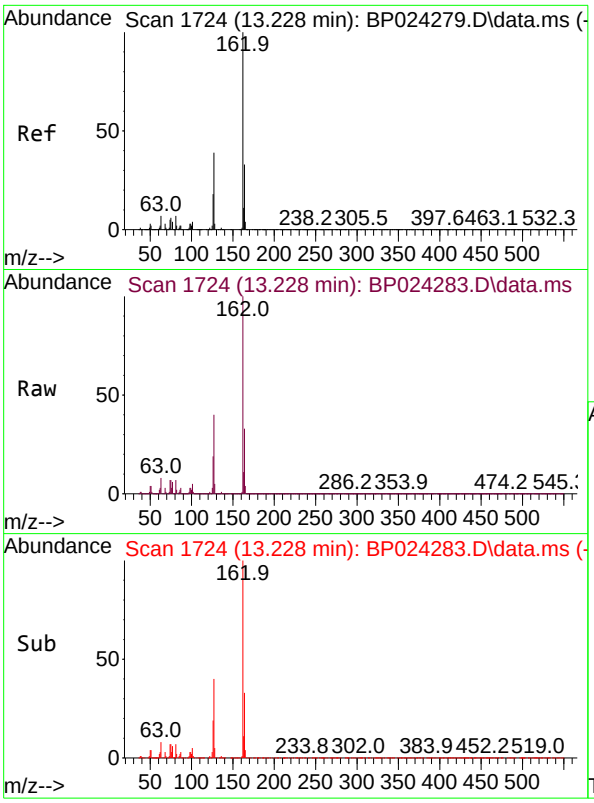


#46
1,1'-Biphenyl
Concen: 41.595 ng
RT: 13.187 min Scan# 1717
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:154 Resp: 1834570

Ion	Ratio	Lower	Upper
154	100		
153	39.9	20.3	60.3
76	14.0	0.0	33.5



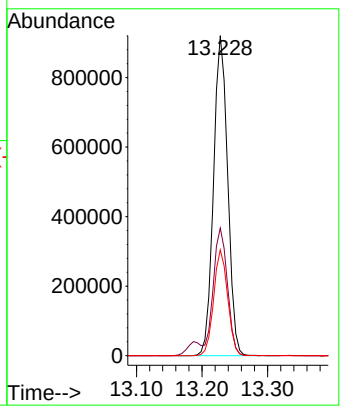


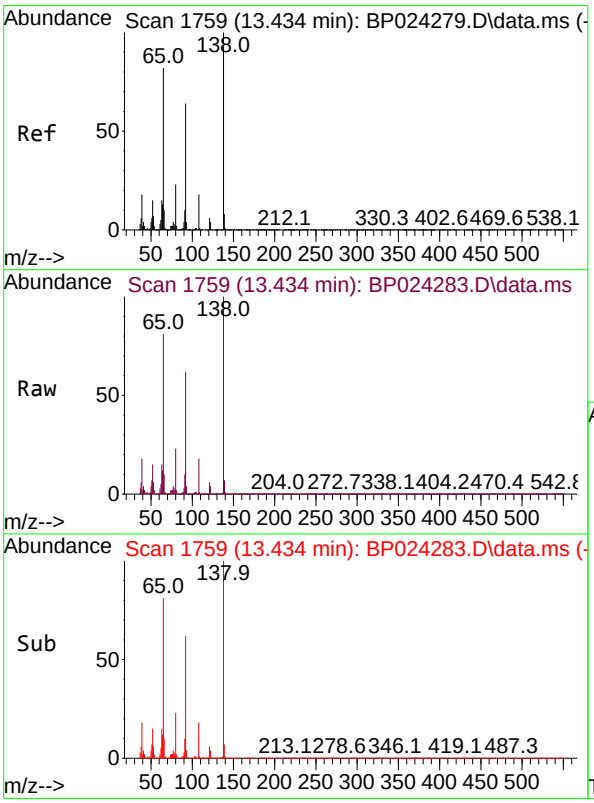
#47
2-Chloronaphthalene
Concen: 41.786 ng
RT: 13.228 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:162 Resp: 1377424

Ion	Ratio	Lower	Upper
162	100		
127	39.9	31.9	47.9
164	33.0	26.2	39.4

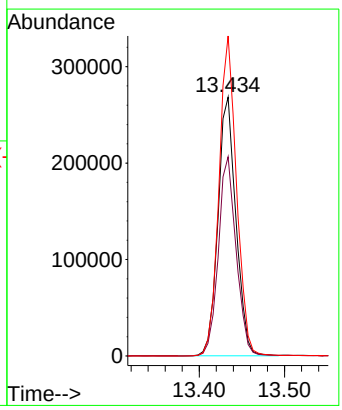


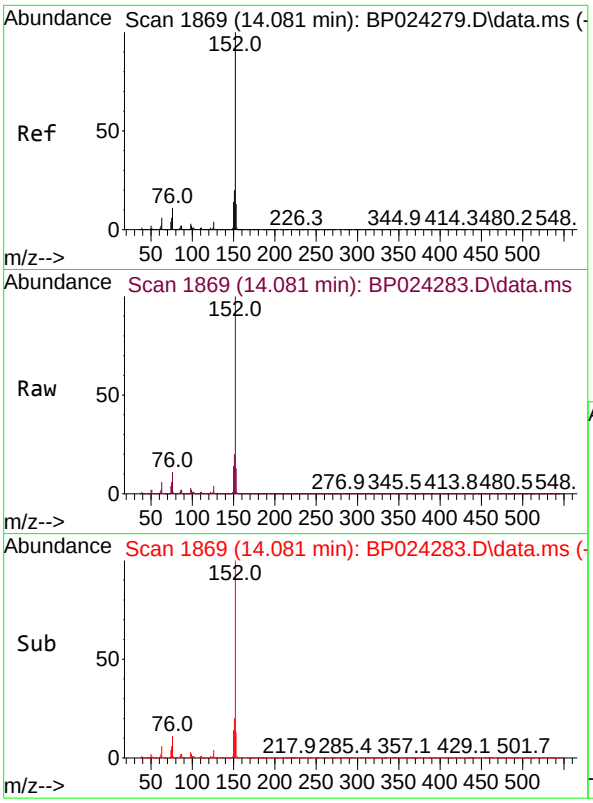


#48
2-Nitroaniline
Concen: 42.475 ng
RT: 13.434 min Scan# 1759
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion: 65 Resp: 392742

Ion	Ratio	Lower	Upper
65	100		
92	77.0	62.3	93.5
138	123.6	97.2	145.8



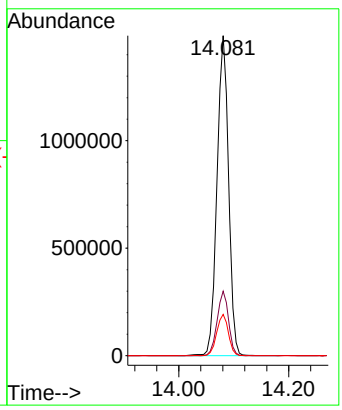


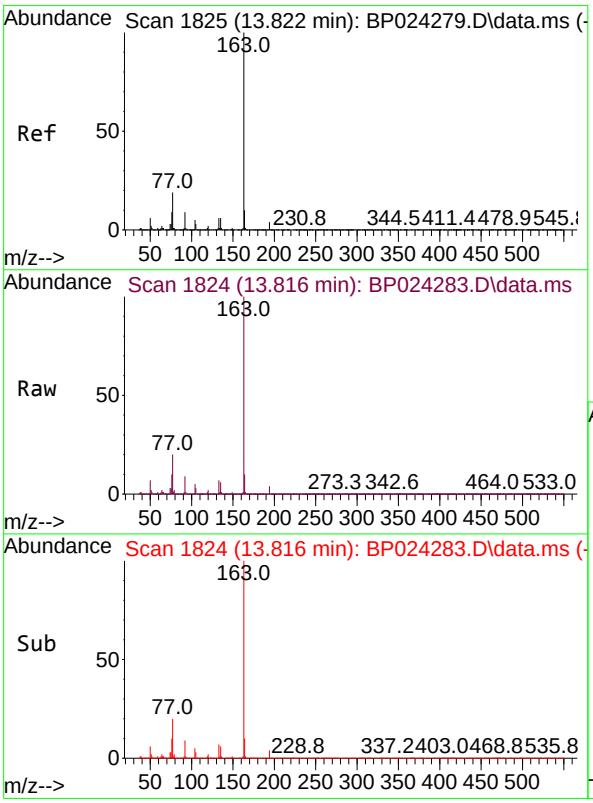
#49
Acenaphthylene
Concen: 41.783 ng
RT: 14.081 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:152 Resp: 2168474

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.9	23.9
153	12.9	10.6	15.8

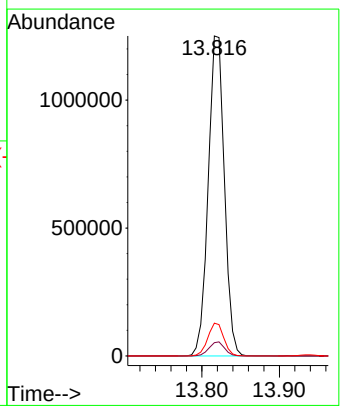


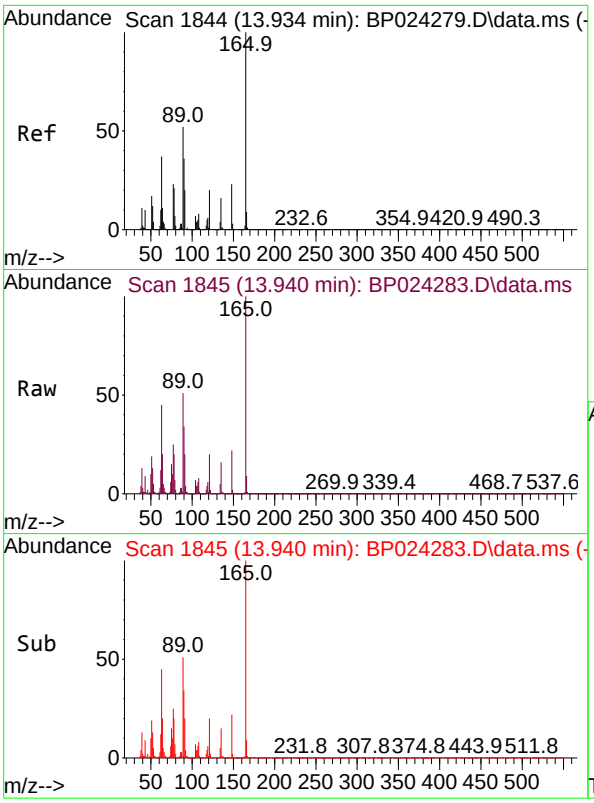


#50
Dimethylphthalate
Concen: 41.478 ng
RT: 13.816 min Scan# 1824
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:163 Resp: 1809923

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.5	5.3
164	10.2	8.0	12.0



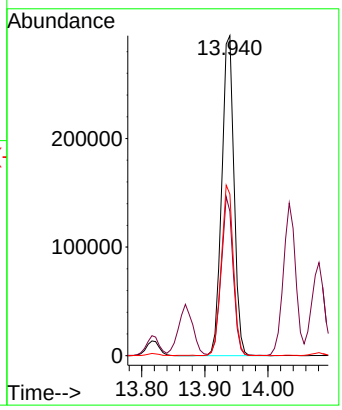


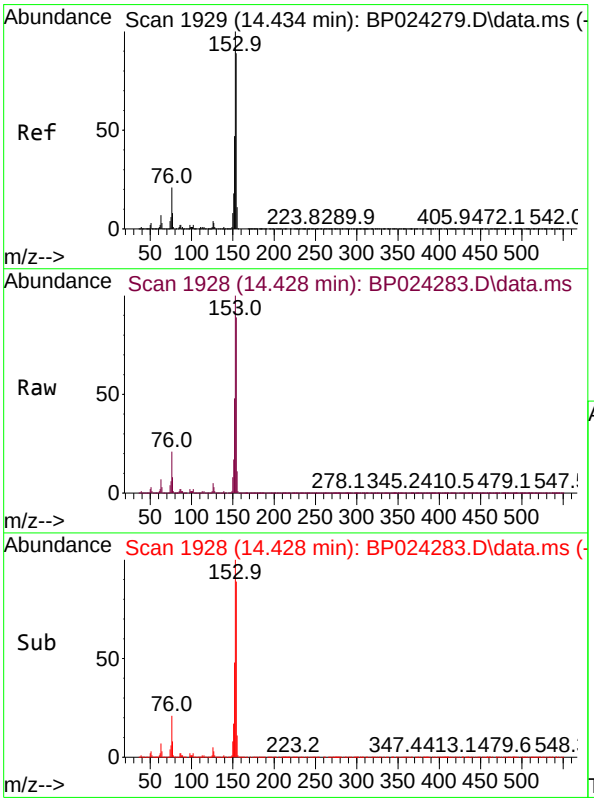
#51
2,6-Dinitrotoluene
Concen: 42.990 ng
RT: 13.940 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:165 Resp: 398345

Ion	Ratio	Lower	Upper
165	100		
63	45.1	38.0	57.0
89	50.5	41.7	62.5

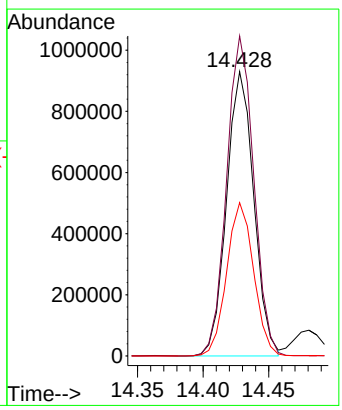


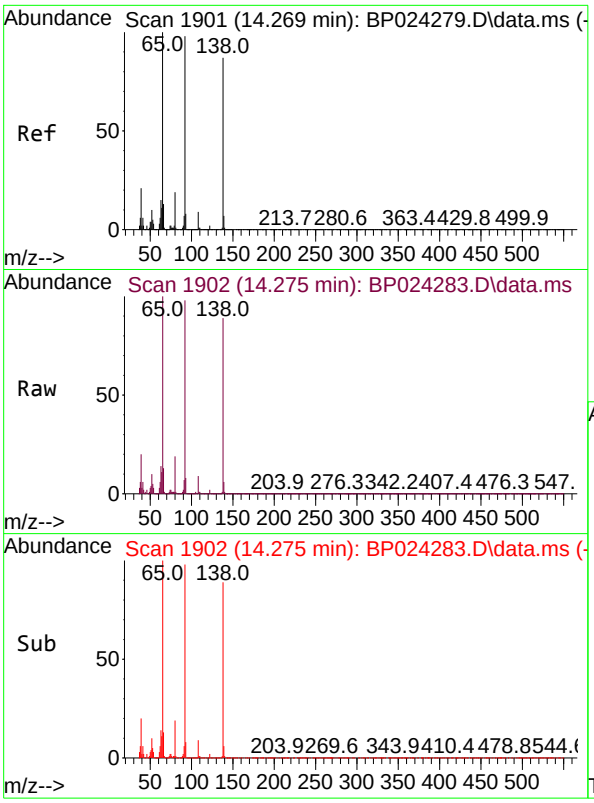


#52
Acenaphthene
Concen: 40.853 ng
RT: 14.428 min Scan# 1928
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:154 Resp: 1344151

Ion	Ratio	Lower	Upper
154	100		
153	112.6	89.8	134.6
152	53.9	42.6	63.8



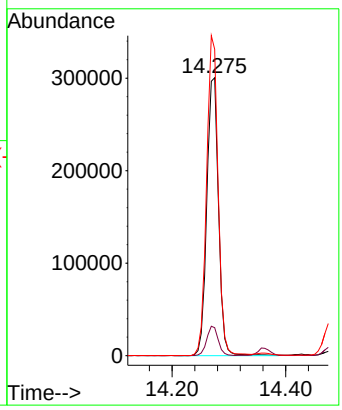


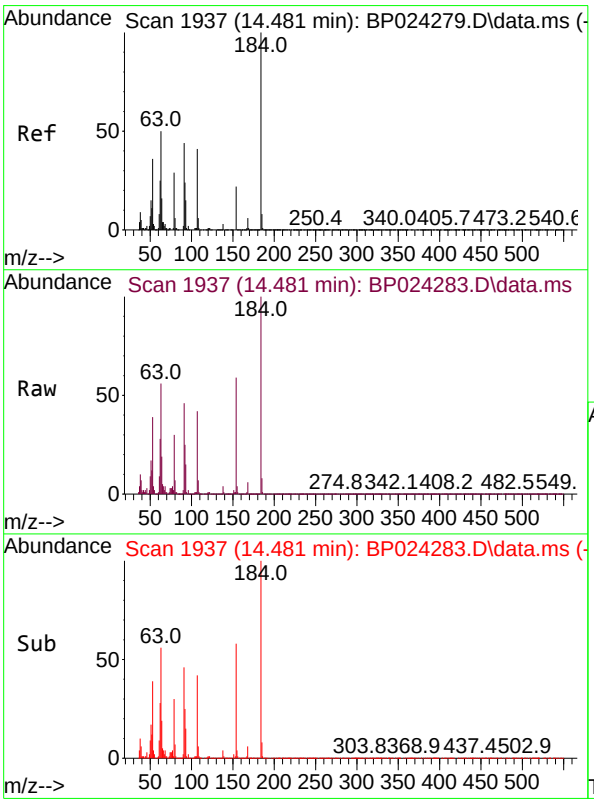
#53
3-Nitroaniline
Concen: 43.931 ng
RT: 14.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:138 Resp: 427828

Ion	Ratio	Lower	Upper
138	100		
108	10.1	8.3	12.5
92	110.2	89.8	134.8

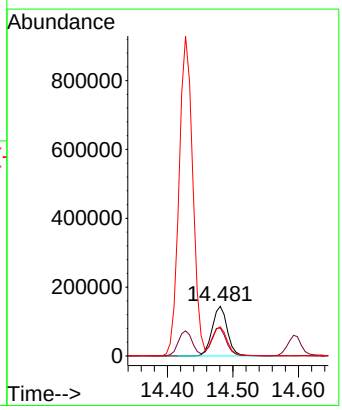


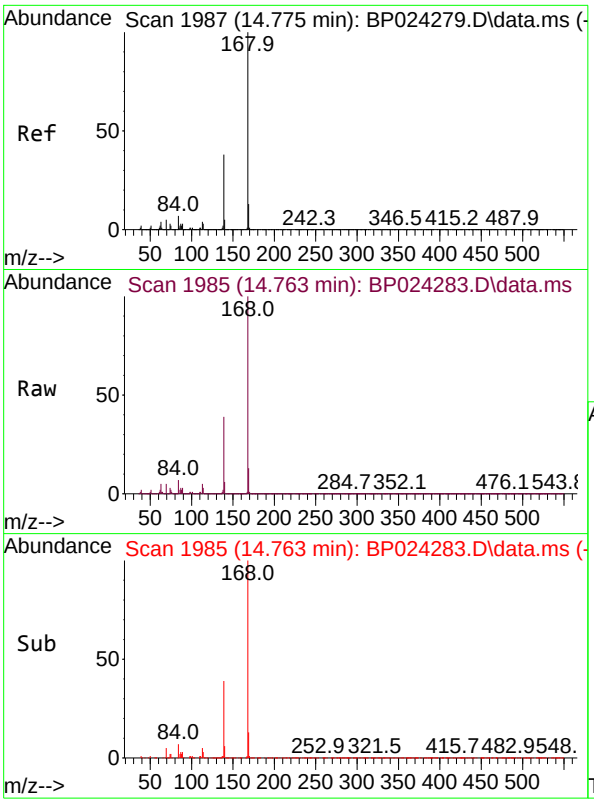


#54
2,4-Dinitrophenol
Concen: 42.485 ng
RT: 14.481 min Scan# 1937
Delta R.T. -0.011 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:184 Resp: 231882

Ion	Ratio	Lower	Upper
184	100		
63	56.3	42.6	64.0
154	58.5	47.2	70.8



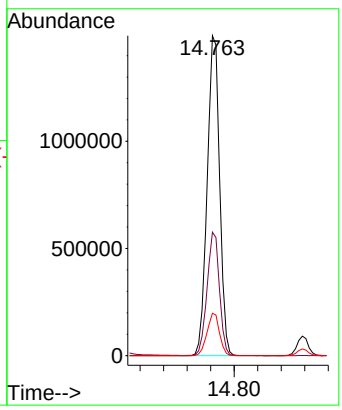


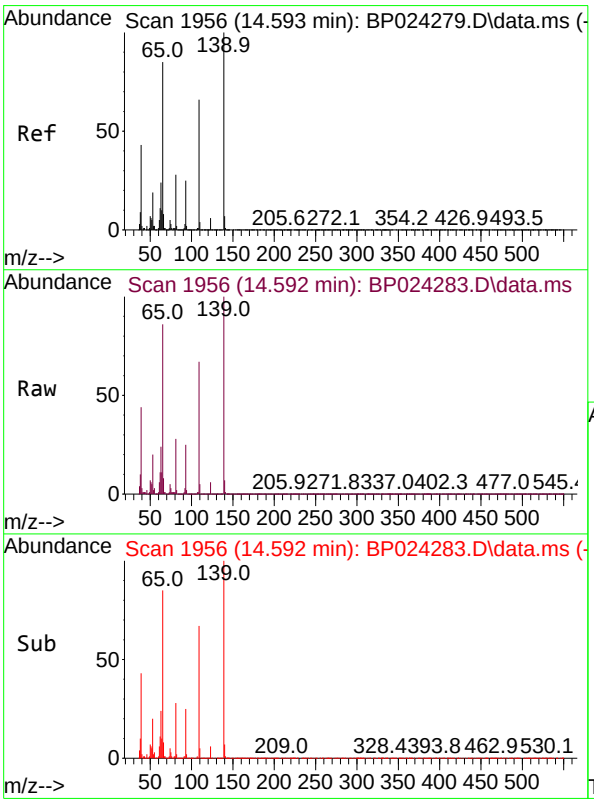
#55
Dibenzofuran
Concen: 40.679 ng
RT: 14.763 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:168 Resp: 2187786

Ion	Ratio	Lower	Upper
168	100		
139	38.6	30.3	45.5
169	13.3	10.6	16.0

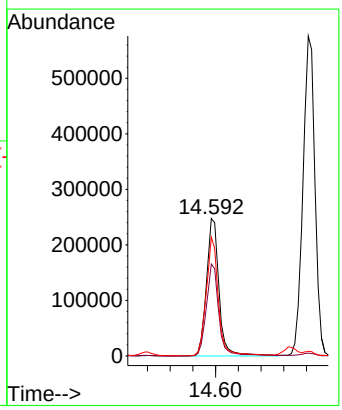


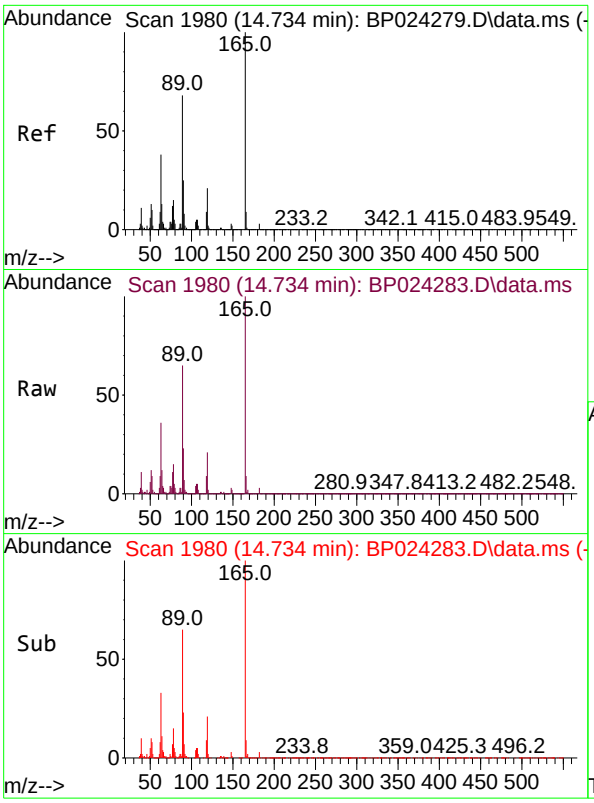


#56
4-Nitrophenol
Concen: 44.968 ng
RT: 14.592 min Scan# 1956
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:139 Resp: 378214

Ion	Ratio	Lower	Upper
139	100		
109	66.9	46.1	86.1
65	86.3	65.0	105.0



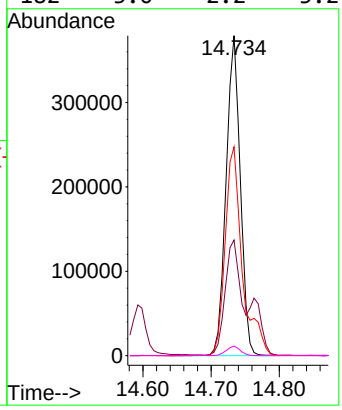


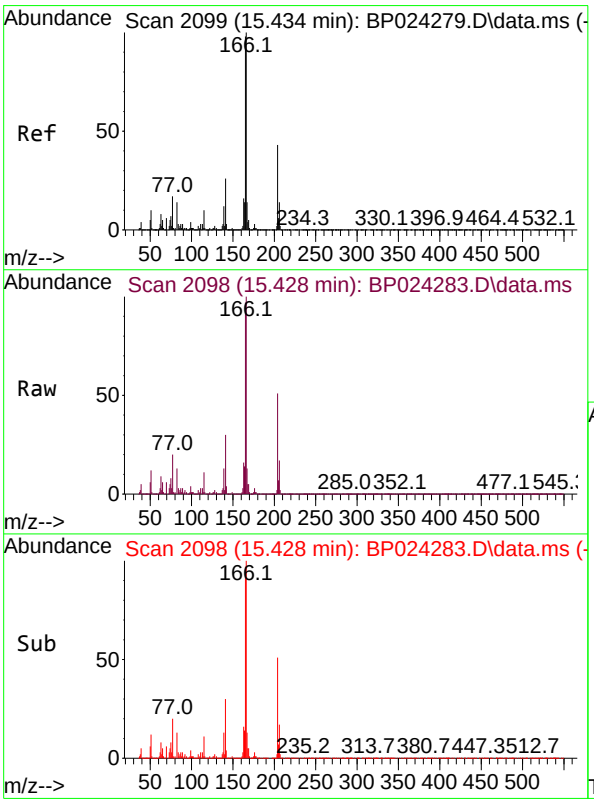
#57
2,4-Dinitrotoluene
Concen: 43.527 ng
RT: 14.734 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:165 Resp: 550175

Ion	Ratio	Lower	Upper
165	100		
63	36.1	30.4	45.6
89	65.2	54.6	82.0
182	3.0	2.2	3.2

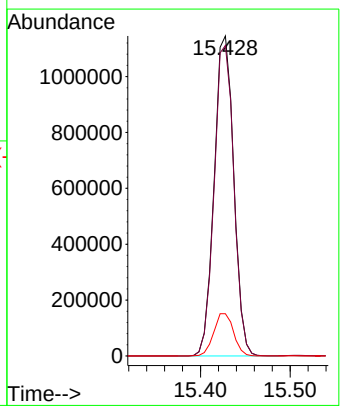


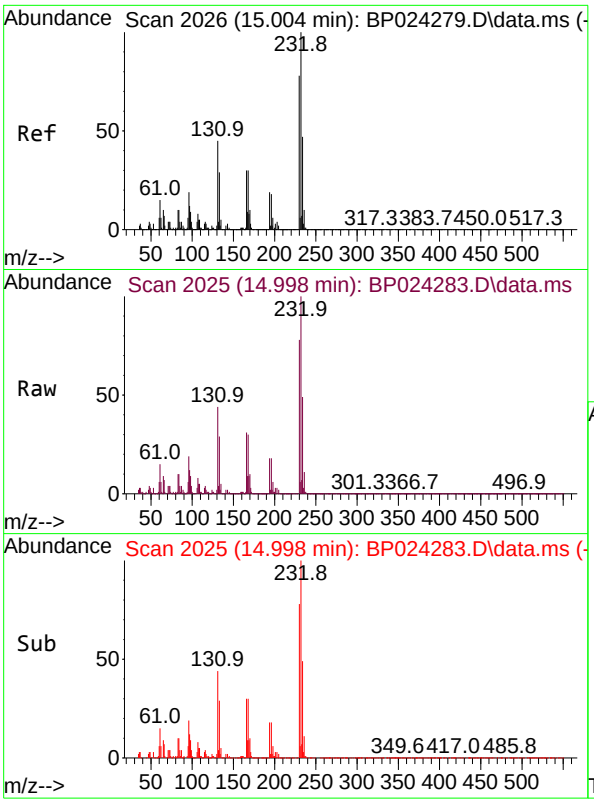


#58
Fluorene
Concen: 41.750 ng
RT: 15.428 min Scan# 2098
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:166 Resp: 1738215

Ion	Ratio	Lower	Upper
166	100		
165	97.0	78.1	117.1
167	13.2	10.9	16.3



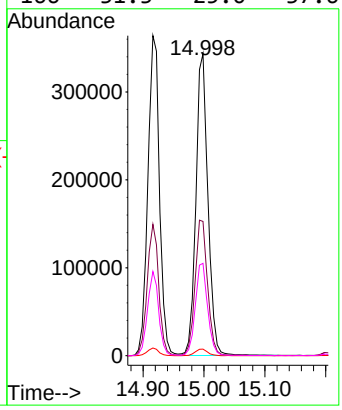


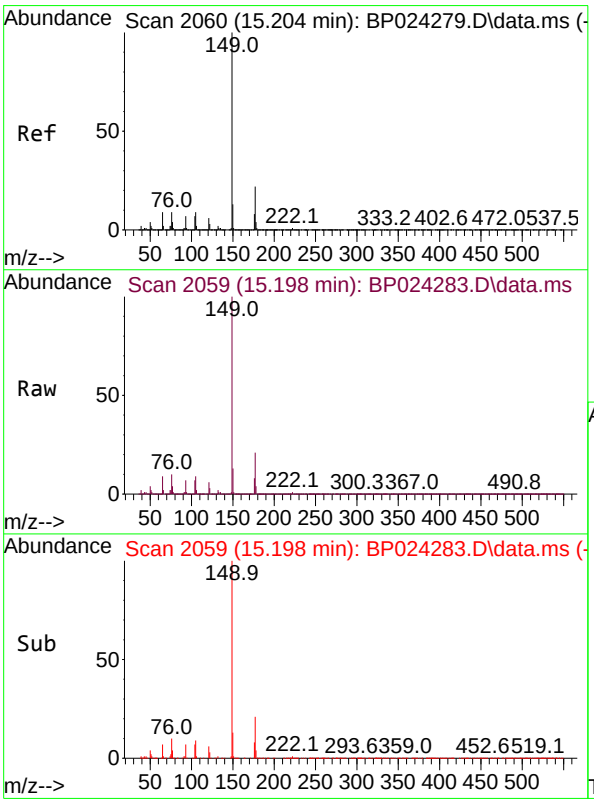
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.995 ng
RT: 14.998 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:232 Resp: 470547

Ion	Ratio	Lower	Upper
232	100		
131	46.8	36.8	55.2
130	2.3	1.9	2.9
166	31.3	25.0	37.6

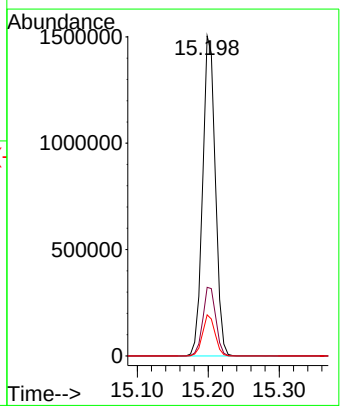


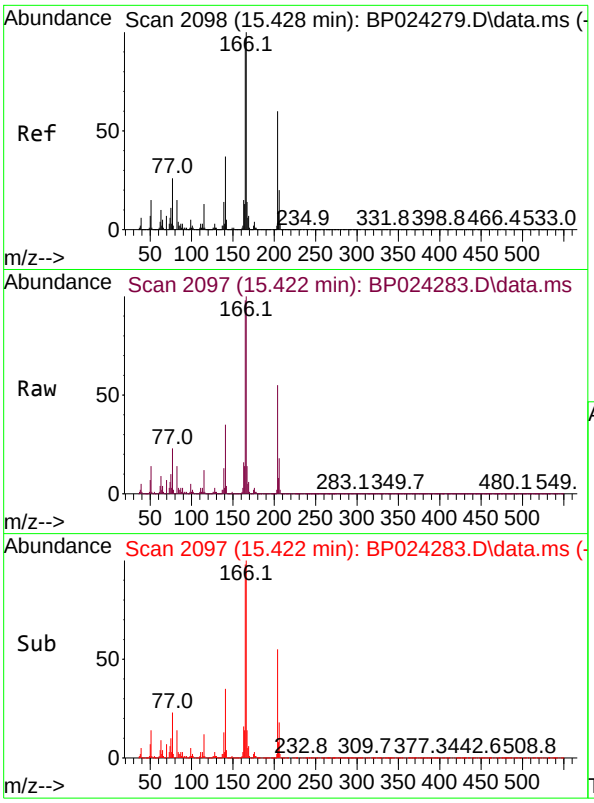


#60
Diethylphthalate
Concen: 41.570 ng
RT: 15.198 min Scan# 2059
Delta R.T. -0.023 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:149 Resp: 1869274

Ion	Ratio	Lower	Upper
149	100		
177	21.5	17.4	26.2
150	12.8	10.1	15.1



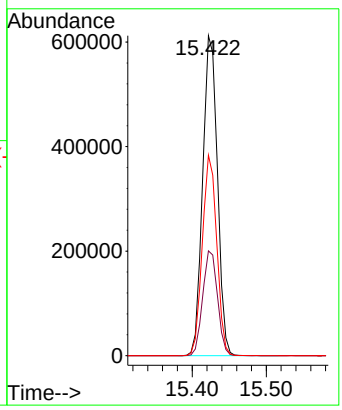


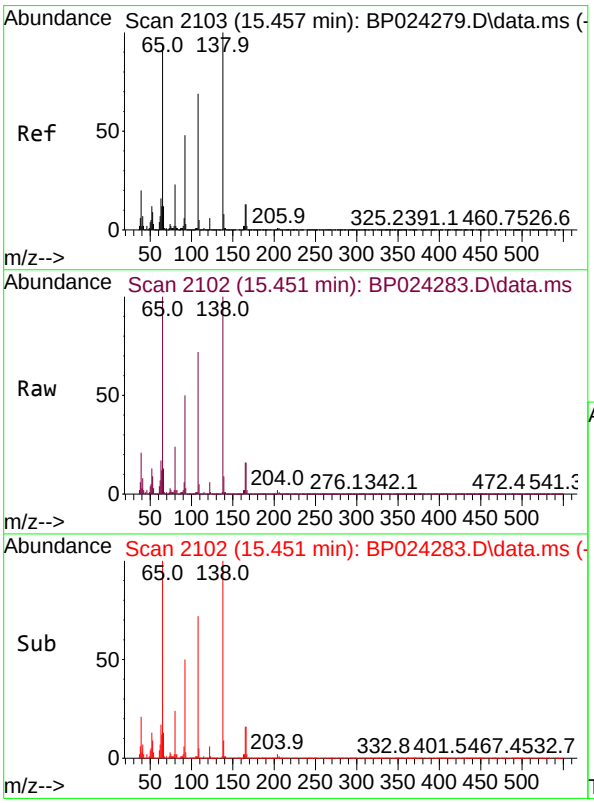
#61
4-Chlorophenyl-phenylether
Concen: 41.777 ng
RT: 15.422 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:204 Resp: 844629

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.5	39.7
141	62.6	49.4	74.0

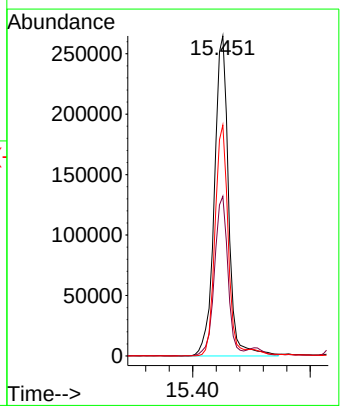


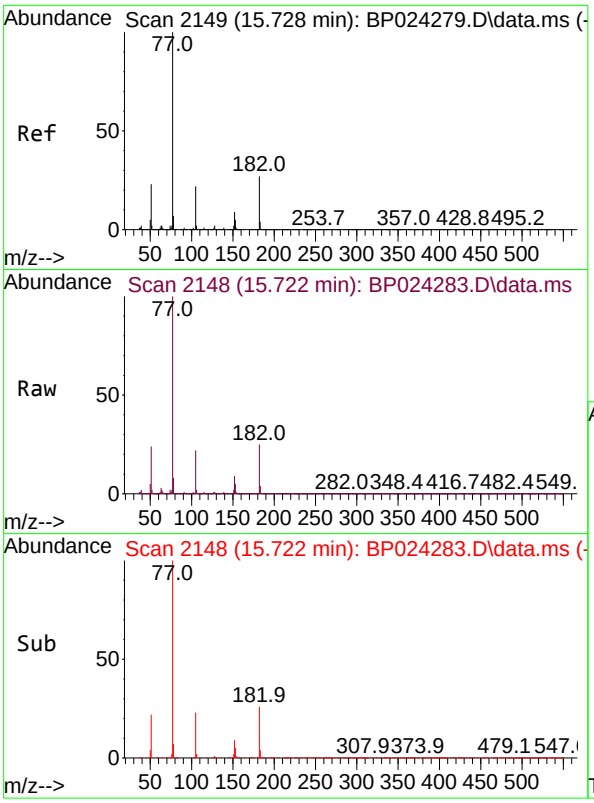


#62
4-Nitroaniline
Concen: 43.114 ng
RT: 15.451 min Scan# 2102
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:138 Resp: 444482

Ion	Ratio	Lower	Upper
138	100		
92	49.9	27.8	67.8
108	72.1	48.9	88.9



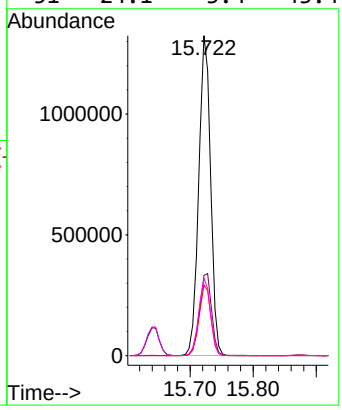


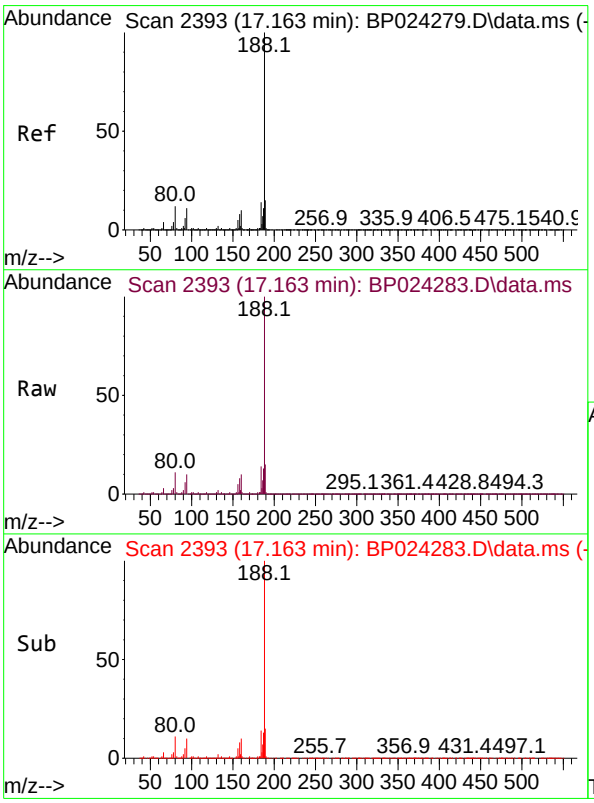
#63
Azobenzene
Concen: 41.686 ng
RT: 15.722 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion: 77 Resp: 1722900

Ion	Ratio	Lower	Upper
77	100		
182	25.1	7.3	47.3
105	22.1	2.3	42.3
51	24.1	3.4	43.4

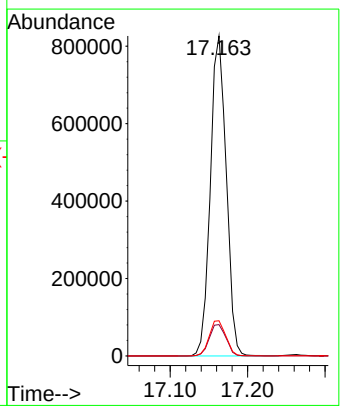


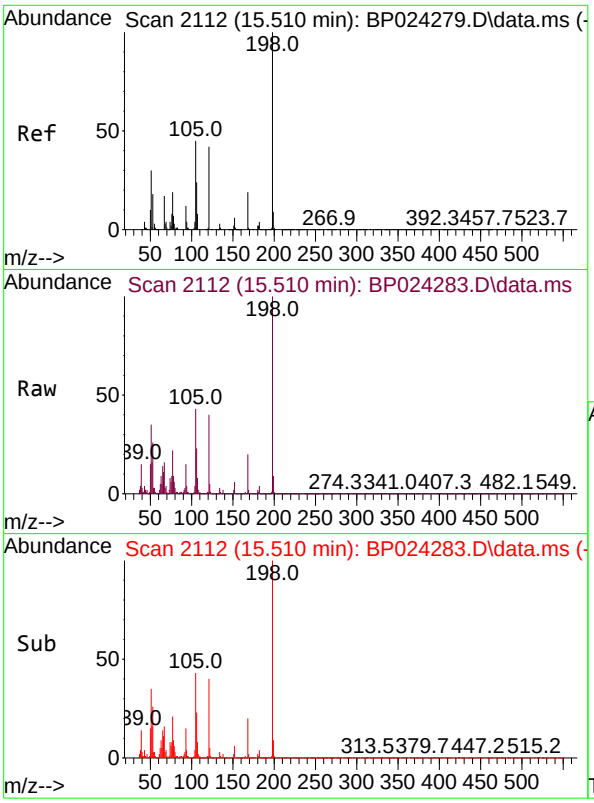


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2393
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:188 Resp: 1178916

Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.6	13.0
80	11.0	9.8	14.6



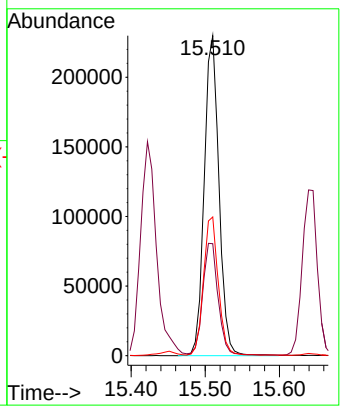


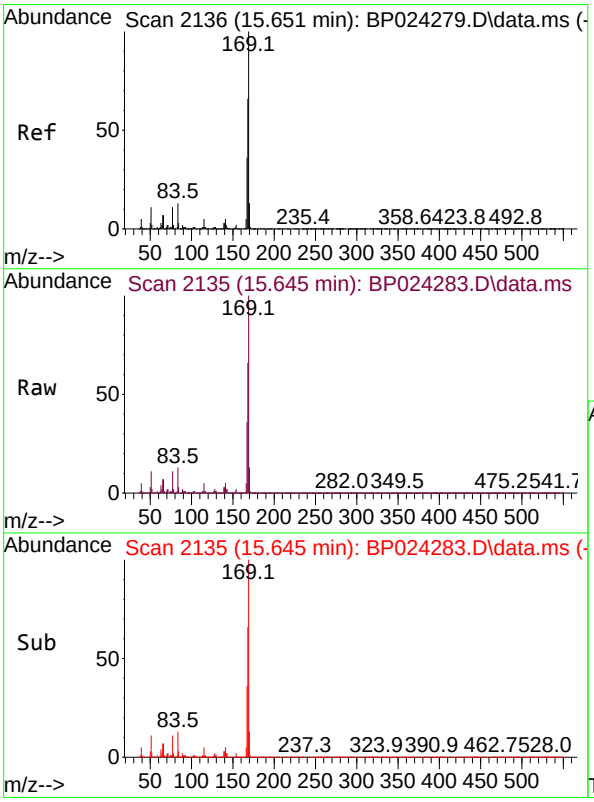
#65
4,6-Dinitro-2-methylphenol
Concen: 42.724 ng
RT: 15.510 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:198 Resp: 317548

Ion	Ratio	Lower	Upper
198	100		
51	35.0	18.4	58.4
105	43.4	26.5	66.5

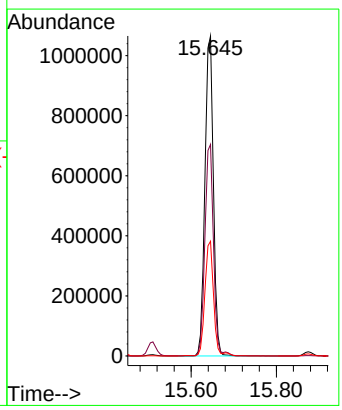


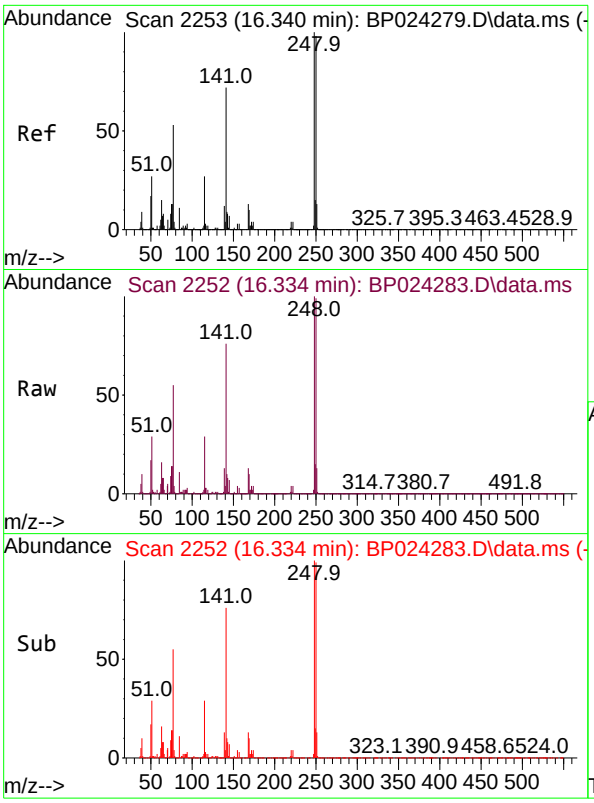


#66
n-Nitrosodiphenylamine
Concen: 41.500 ng
RT: 15.645 min Scan# 2135
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:169 Resp: 1460282

Ion	Ratio	Lower	Upper
169	100		
168	66.1	53.0	79.4
167	35.8	28.9	43.3



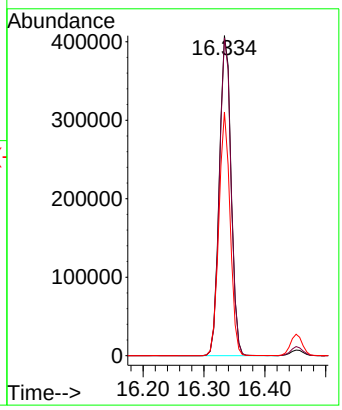


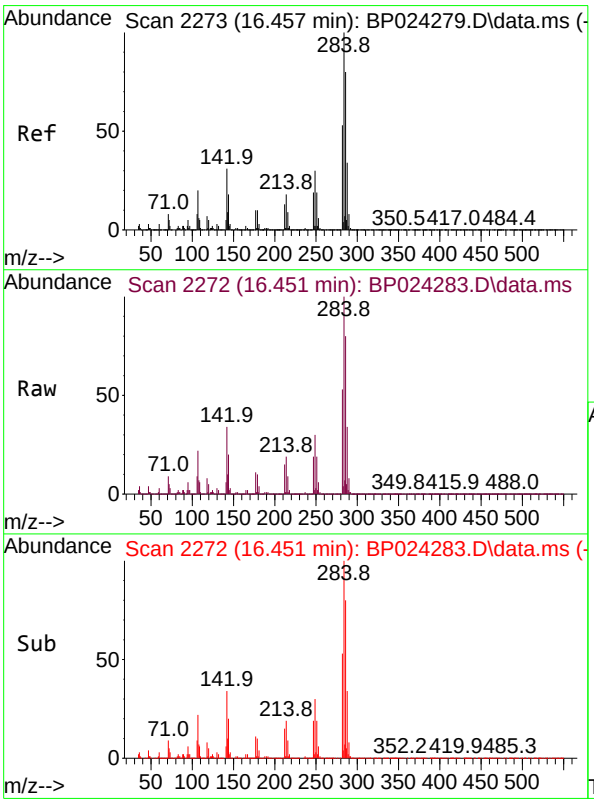
#67
4-Bromophenyl-phenylether
Concen: 42.314 ng
RT: 16.334 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:248 Resp: 545579

Ion	Ratio	Lower	Upper
248	100		
250	99.3	78.2	117.4
141	76.1	57.7	86.5

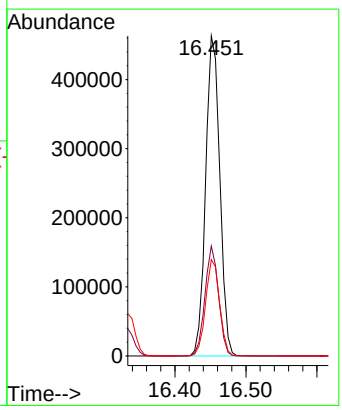


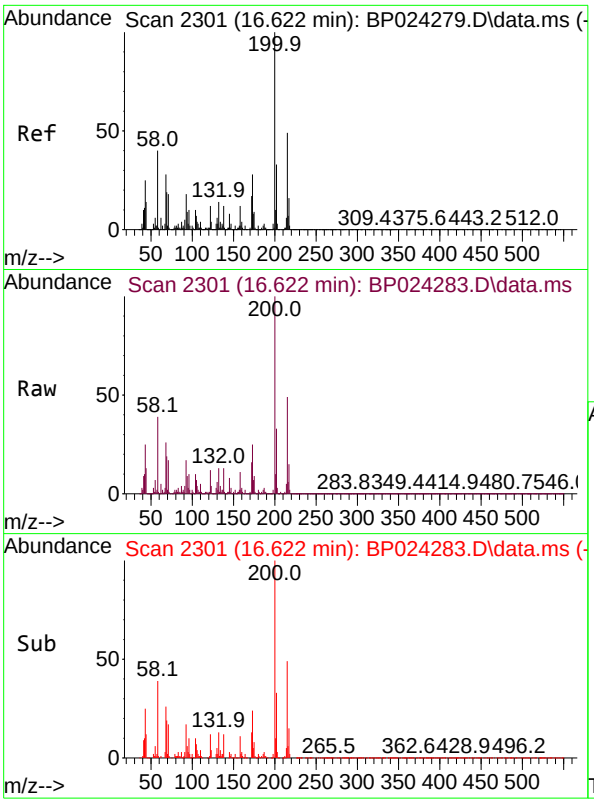


#68
Hexachlorobenzene
Concen: 41.909 ng
RT: 16.451 min Scan# 2272
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:284 Resp: 642095

Ion	Ratio	Lower	Upper
284	100		
142	34.3	24.6	37.0
249	30.1	23.8	35.6



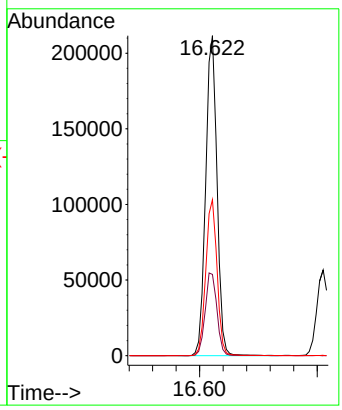


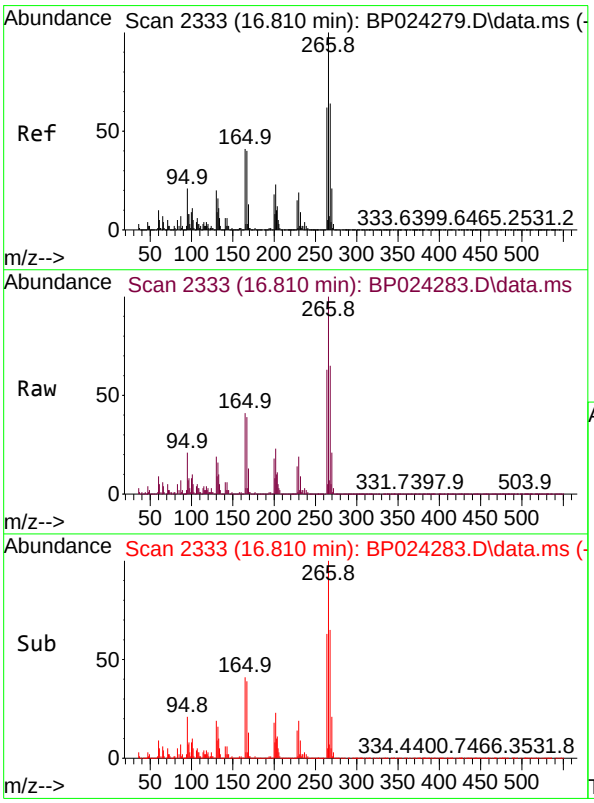
#69
Atrazine
Concen: 31.567 ng
RT: 16.622 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:200 Resp: 282908

Ion	Ratio	Lower	Upper
200	100		
173	25.4	7.5	47.5
215	48.7	28.8	68.8

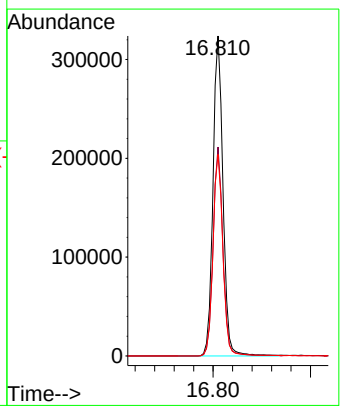


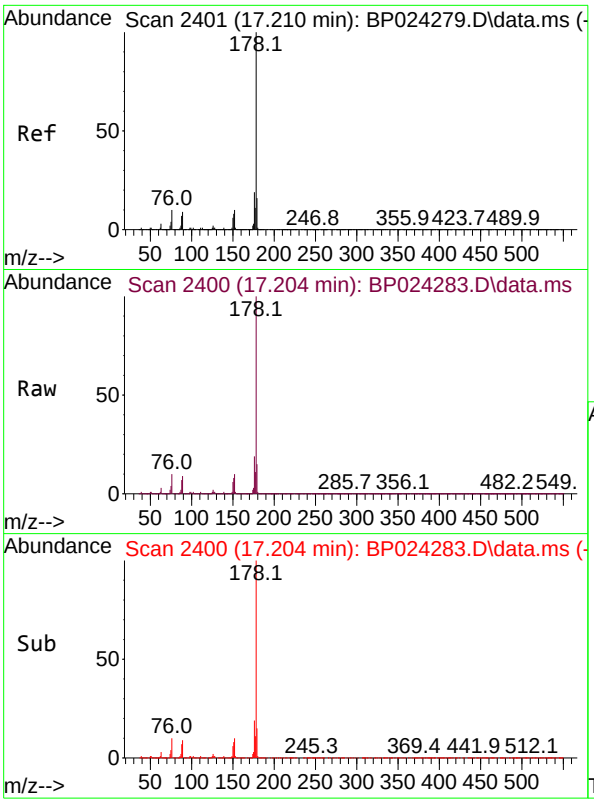


#70
Pentachlorophenol
Concen: 42.900 ng
RT: 16.810 min Scan# 2333
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:266 Resp: 458529

Ion	Ratio	Lower	Upper
266	100		
268	65.3	51.0	76.6
264	63.0	49.8	74.6



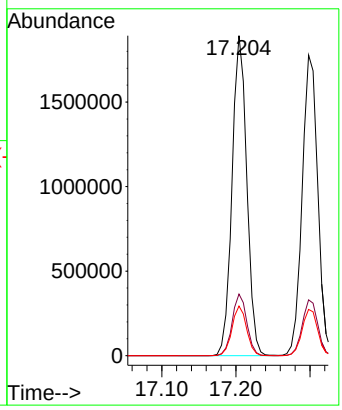


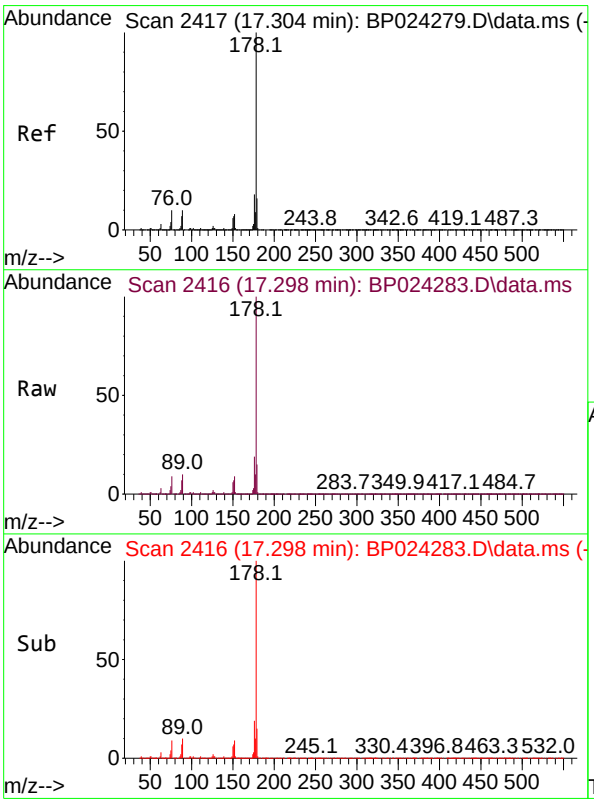
#71
Phenanthrene
Concen: 40.615 ng
RT: 17.204 min Scan# 24
Delta R.T. -0.023 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:178 Resp: 2612052

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.5	12.5	18.7

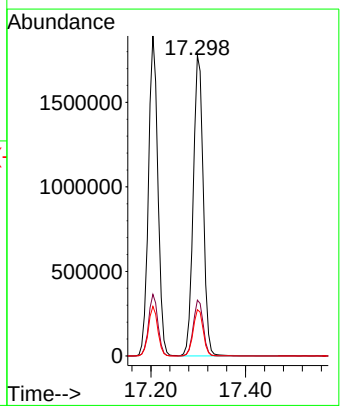


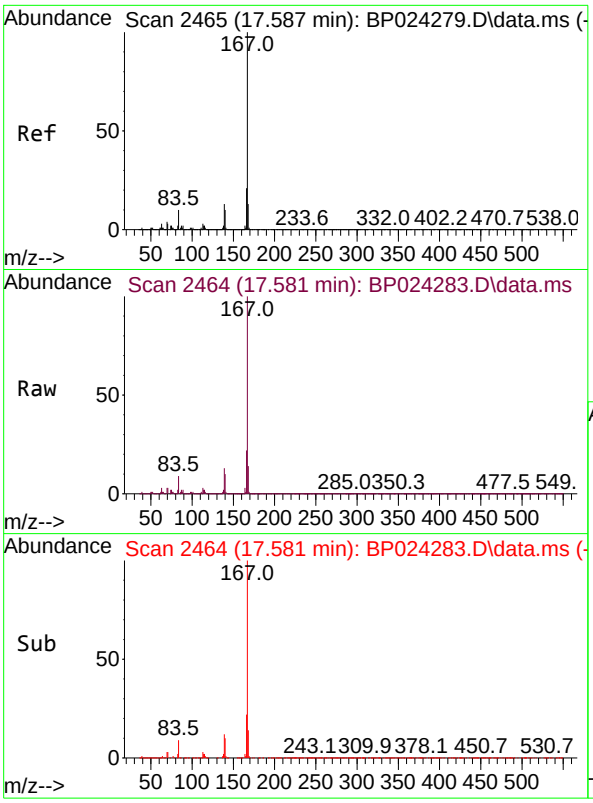


#72
Anthracene
Concen: 42.051 ng
RT: 17.298 min Scan# 2416
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:178 Resp: 2606508

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	15.4	12.4	18.6



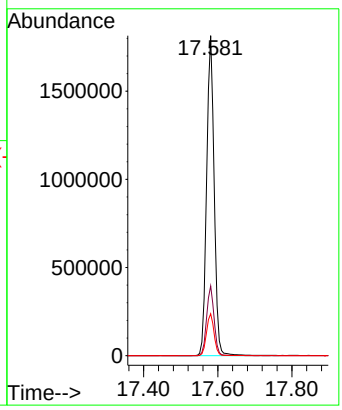


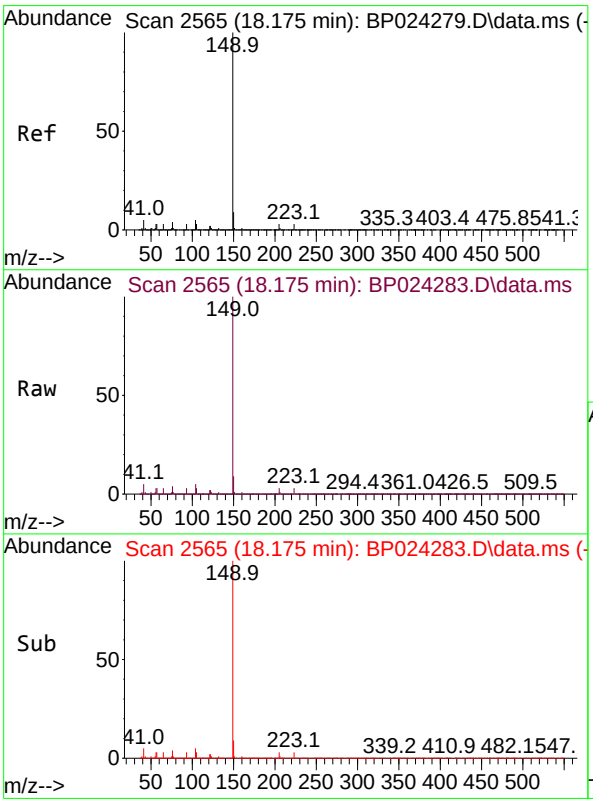
#73
Carbazole
Concen: 42.351 ng
RT: 17.581 min Scan# 24
Delta R.T. -0.023 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:167 Resp: 2564955

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.1	25.7
139	13.1	10.6	16.0

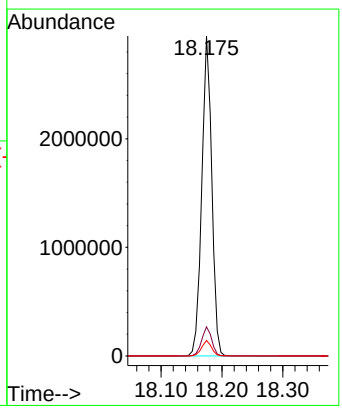


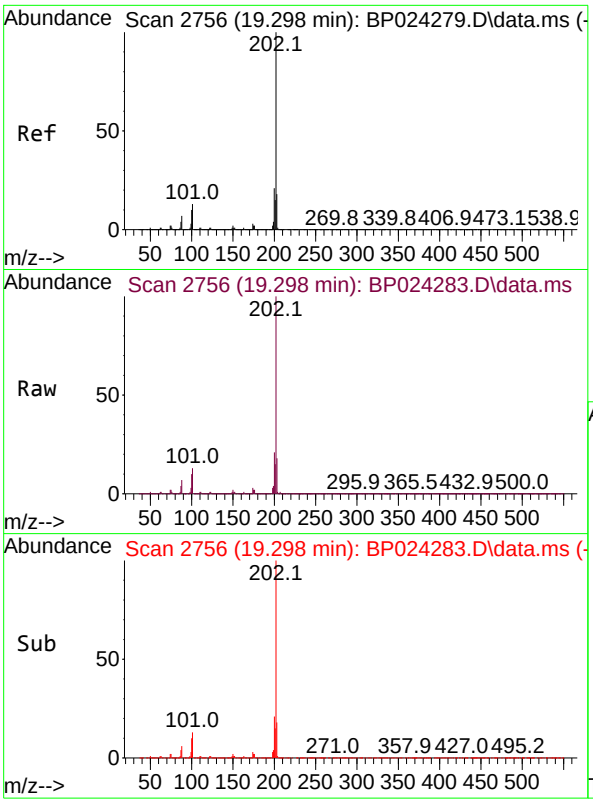


#74
Di-n-butylphthalate
Concen: 44.539 ng
RT: 18.175 min Scan# 2565
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:149 Resp: 3360635

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.2
104	4.9	3.9	5.9



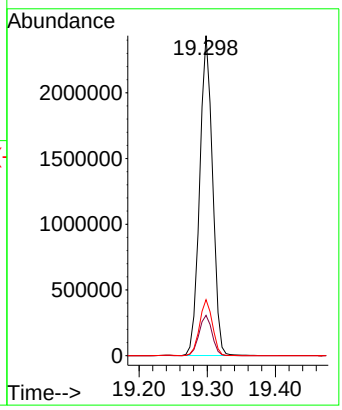


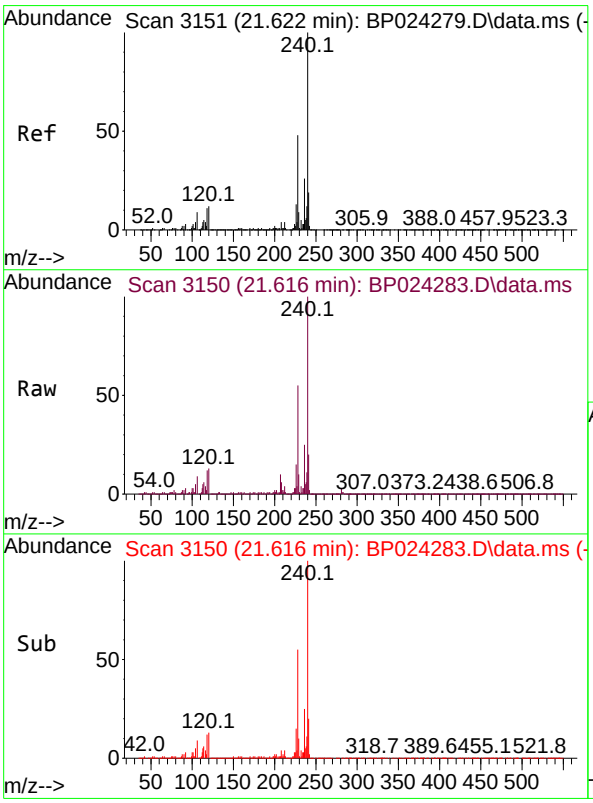
#75
Fluoranthene
Concen: 41.771 ng
RT: 19.298 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:202 Resp: 3195045

Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	33.2
203	17.5	0.0	37.7

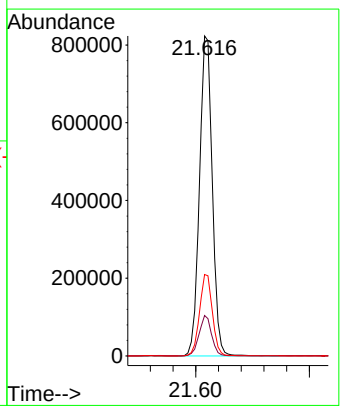


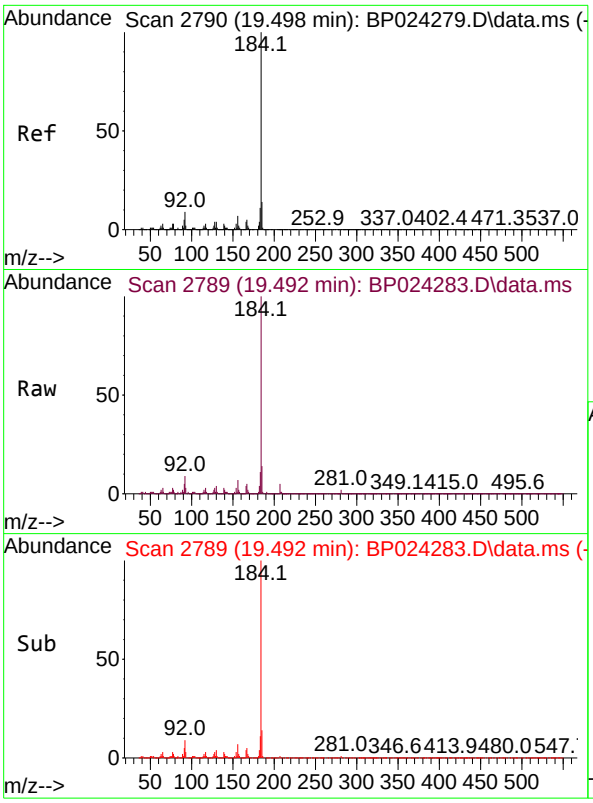


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.616 min Scan# 3150
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:240 Resp: 1288125

Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.8	14.8
236	25.5	20.9	31.3



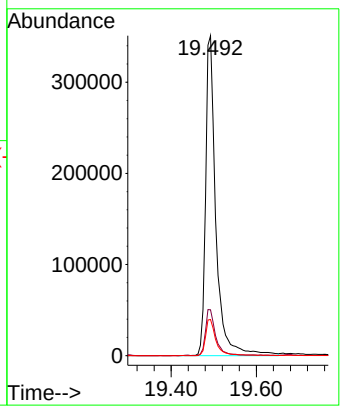


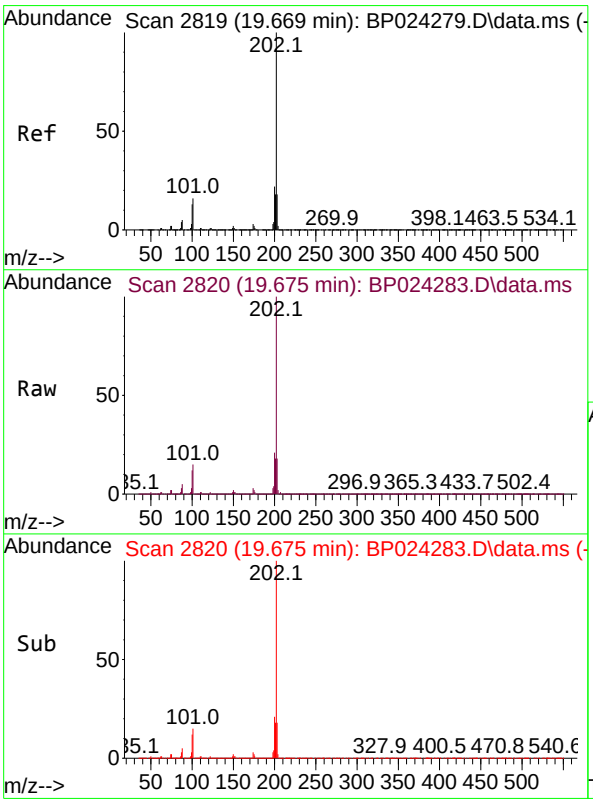
#77
Benzidine
Concen: 36.041 ng
RT: 19.492 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:184 Resp: 588487

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.6	17.4
183	11.3	9.2	13.8

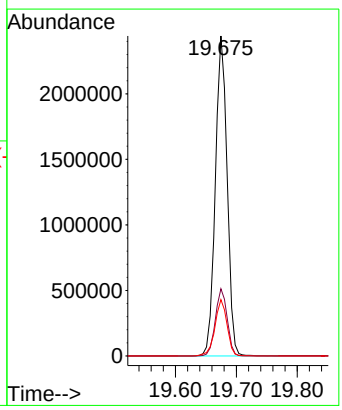


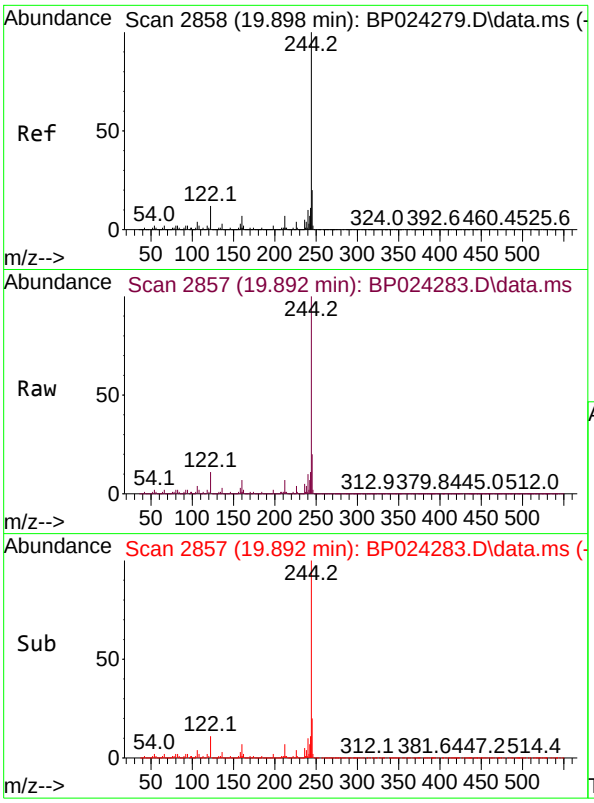


#78
Pyrene
Concen: 40.022 ng
RT: 19.675 min Scan# 2820
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:202 Resp: 3276290

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.2	25.8
203	17.6	14.4	21.6



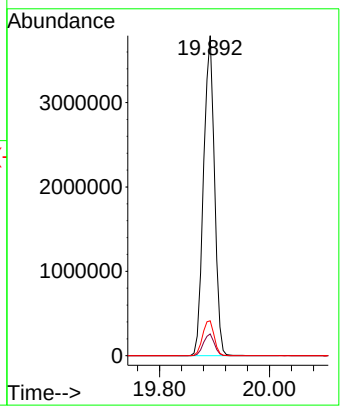


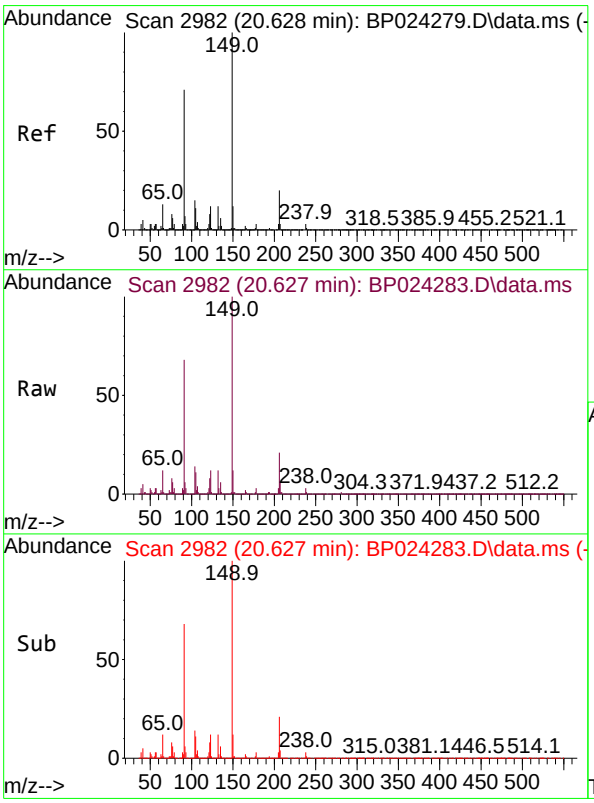
#79
Terphenyl-d14
Concen: 81.649 ng
RT: 19.892 min Scan# 2
Delta R.T. -0.029 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:244 Resp: 5217888

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	10.9	9.4	14.0

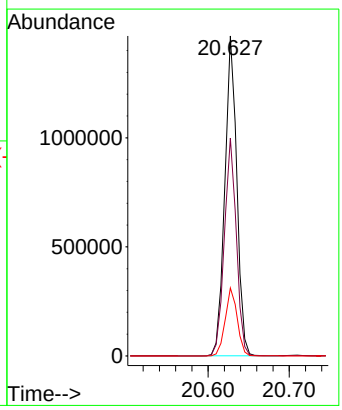


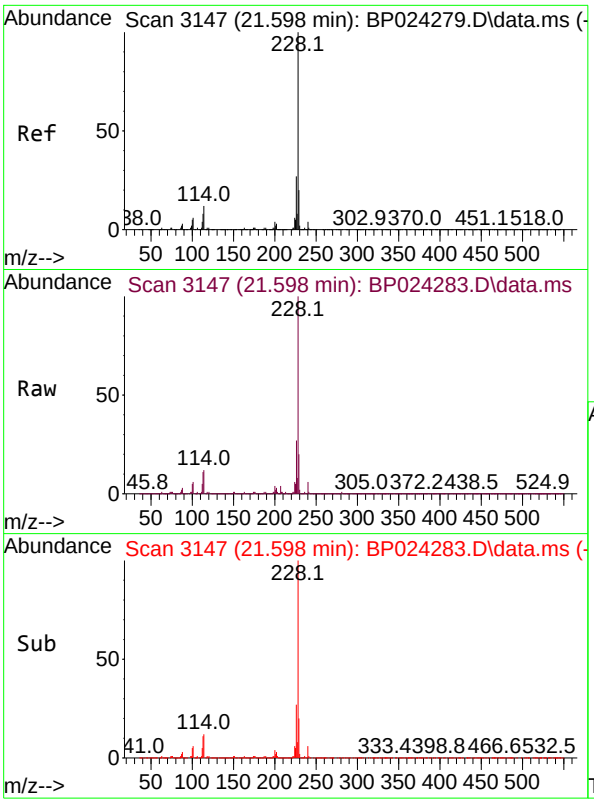


#80
Butylbenzylphthalate
Concen: 43.107 ng
RT: 20.627 min Scan# 2982
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:149 Resp: 1511473

Ion	Ratio	Lower	Upper
149	100		
91	68.1	56.4	84.6
206	21.2	16.3	24.5



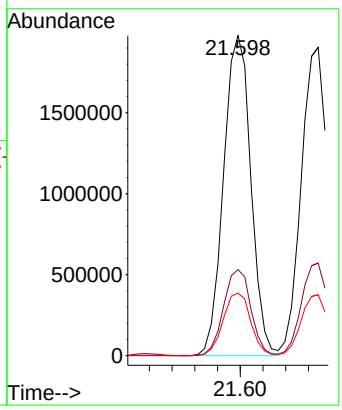


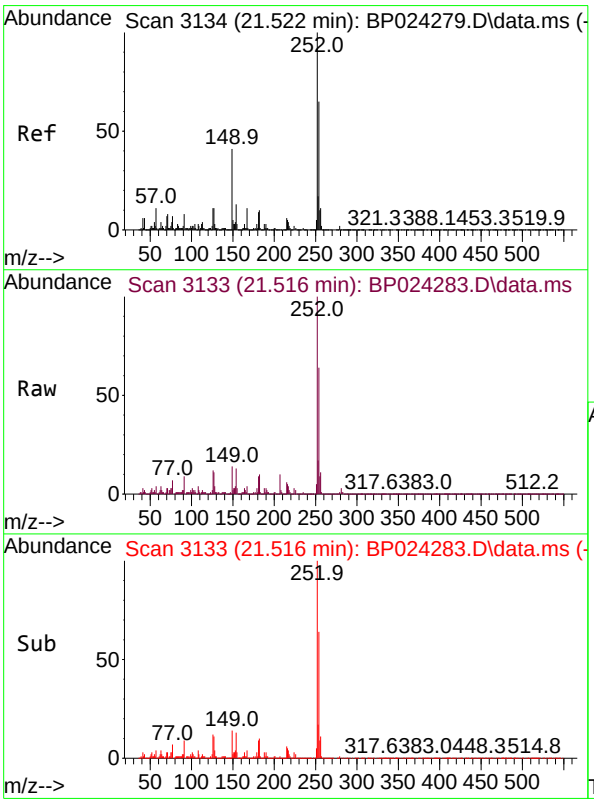
#81
Benzo(a)anthracene
Concen: 41.207 ng
RT: 21.598 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:228 Resp: 3299250

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.8	32.8
229	19.6	15.9	23.9

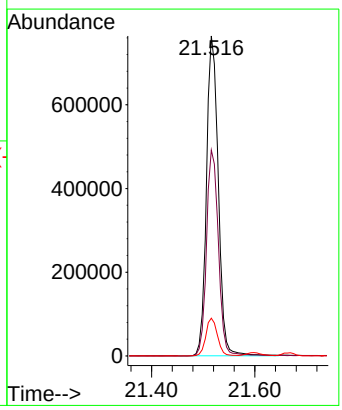


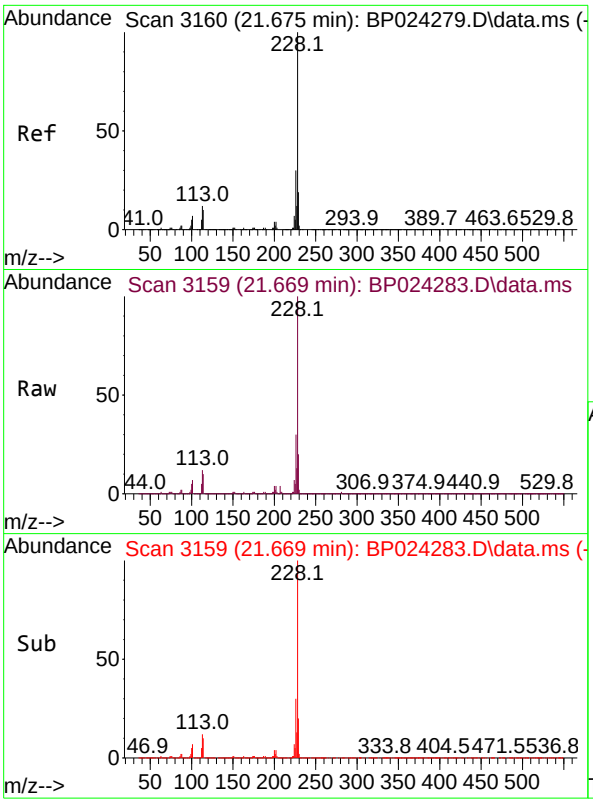


#82
3,3'-Dichlorobenzidine
Concen: 43.139 ng
RT: 21.516 min Scan# 3133
Delta R.T. -0.023 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:252 Resp: 1212290

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.7	77.5
126	11.8	8.8	13.2



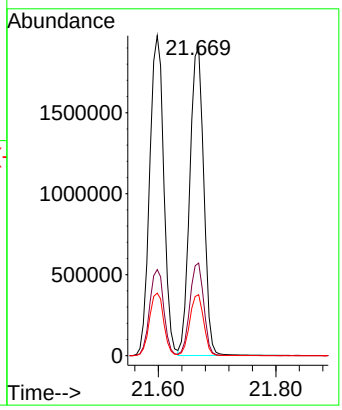


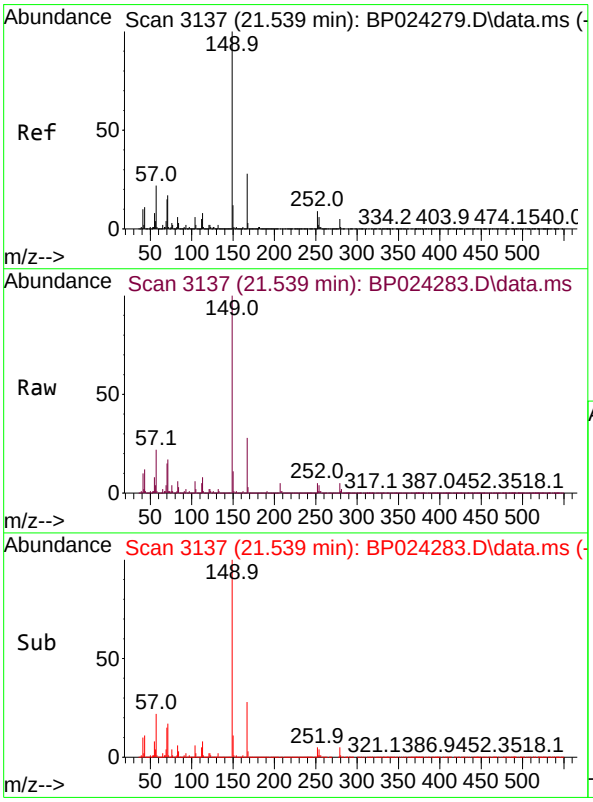
#83
Chrysene
Concen: 40.888 ng
RT: 21.669 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:228 Resp: 3136332

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.2	36.2
229	19.8	15.6	23.4

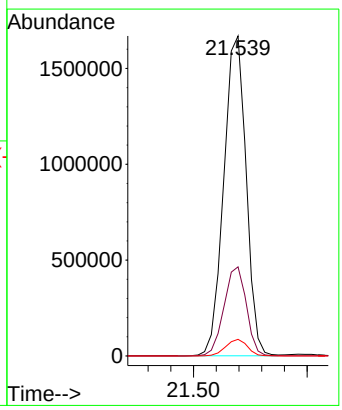


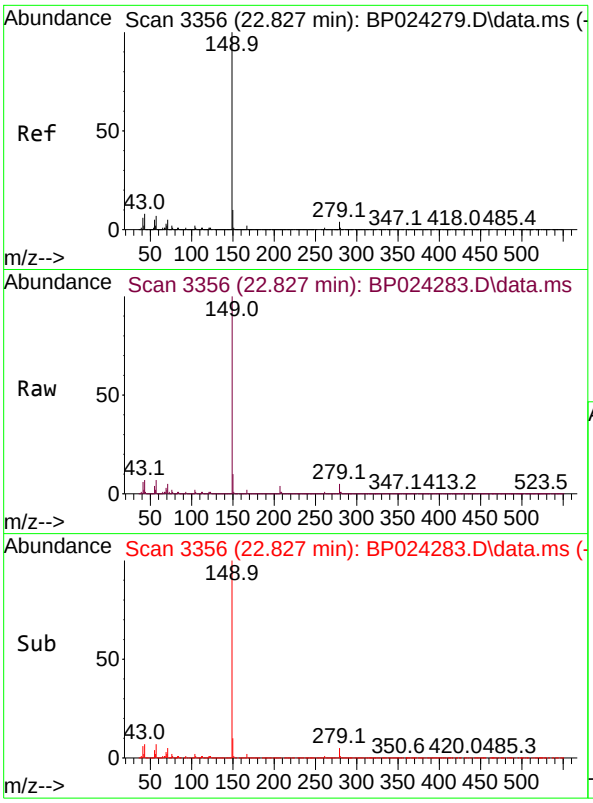


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.400 ng
RT: 21.539 min Scan# 3137
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:149 Resp: 2282222

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.4	33.6
279	5.2	4.0	6.0



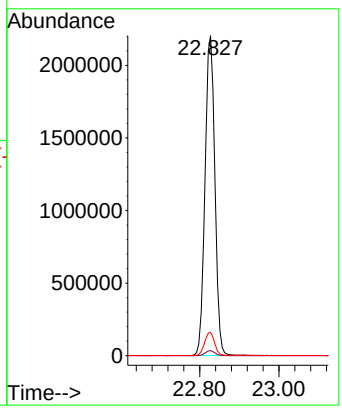


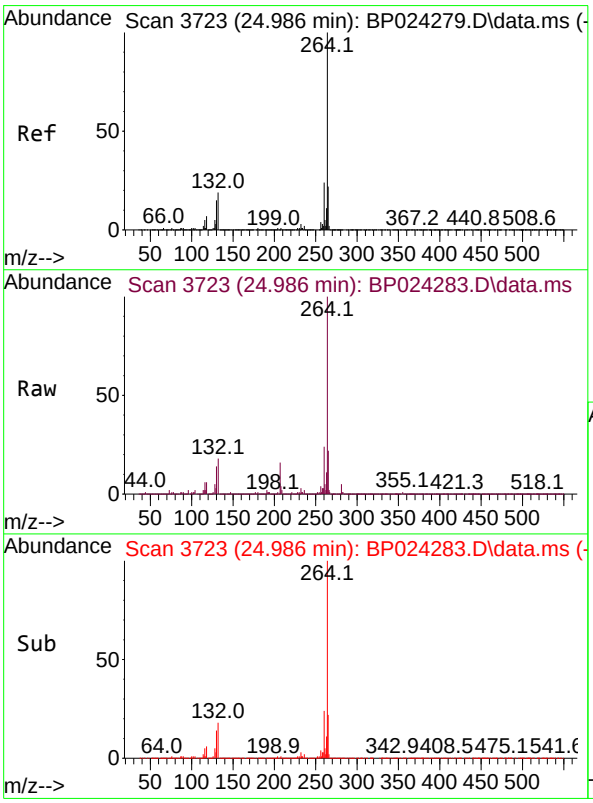
#85
Di-n-octyl phthalate
Concen: 45.513 ng
RT: 22.827 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:149 Resp: 3803266

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.4	6.0	9.0

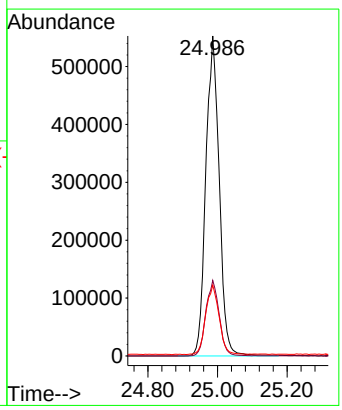


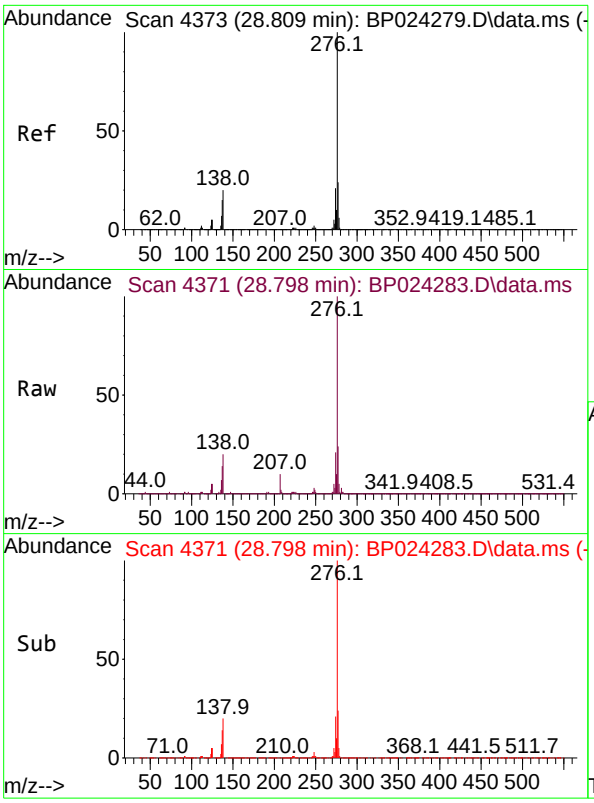


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.986 min Scan# 3723
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:264 Resp: 1476872

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	22.1	17.8	26.6



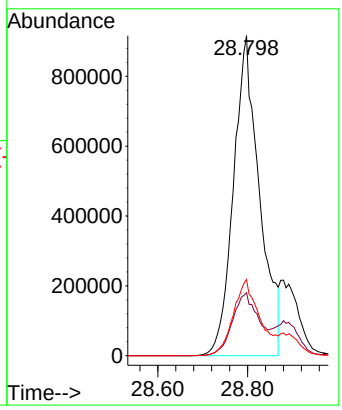


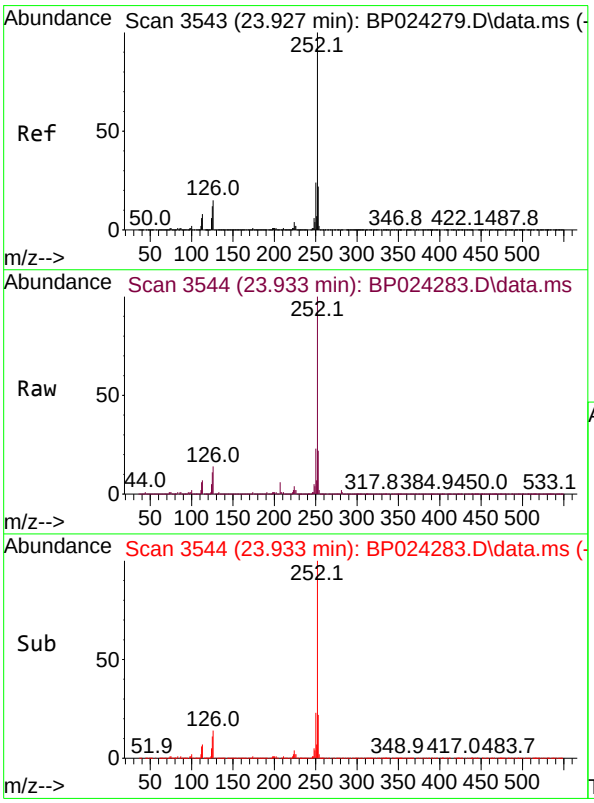
#87
Indeno(1,2,3-cd)pyrene
Concen: 35.927 ng
RT: 28.798 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:276 Resp: 3683586

Ion	Ratio	Lower	Upper
276	100		
138	19.7	14.5	21.7
277	24.4	20.2	30.2

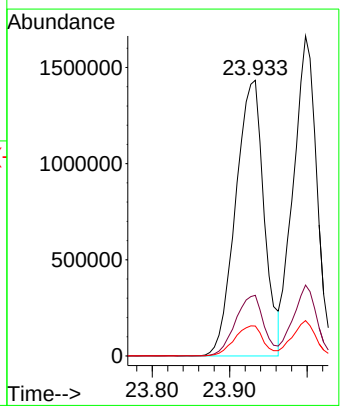


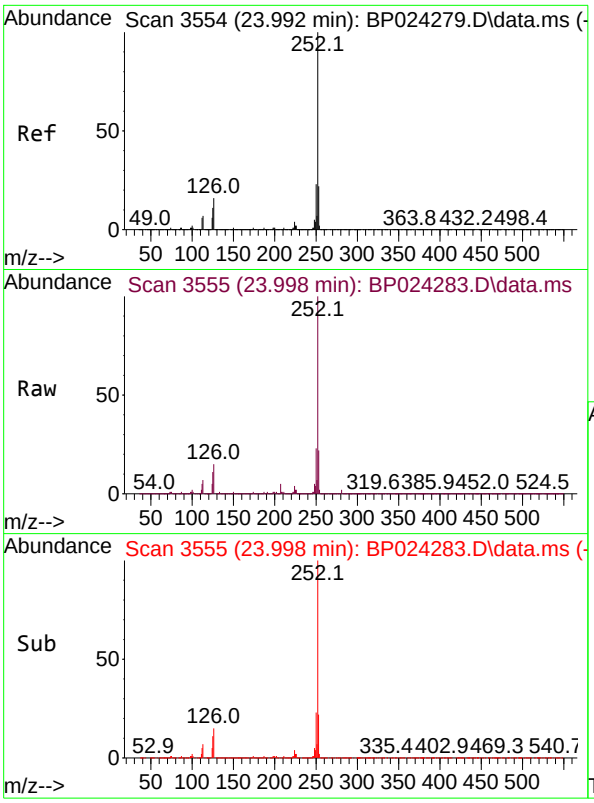


#88
Benzo(b)fluoranthene
Concen: 41.288 ng
RT: 23.933 min Scan# 3544
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:252 Resp: 3654984

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	10.8	9.4	14.0



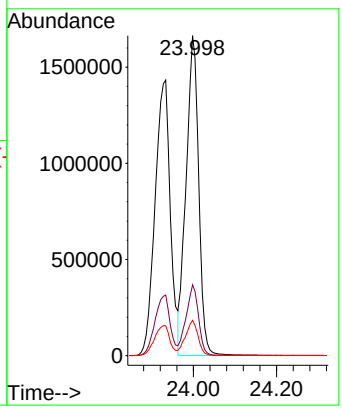


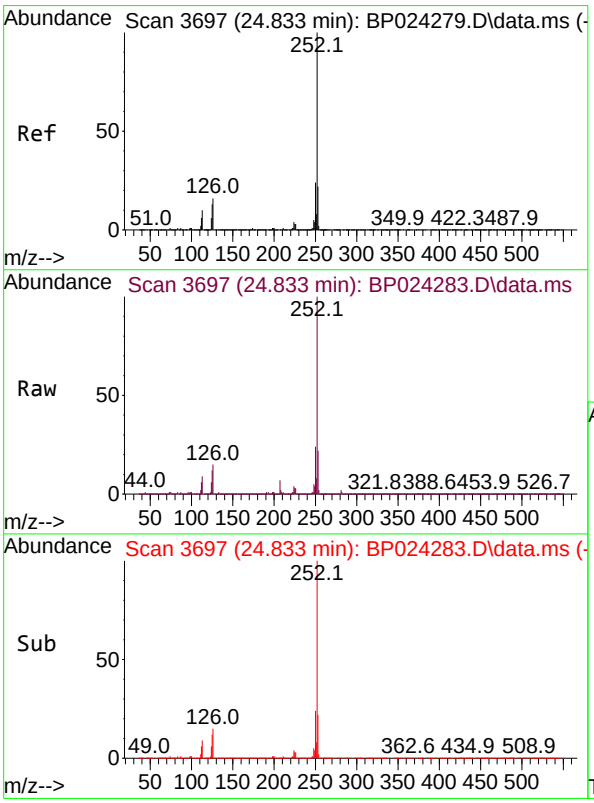
#89
Benzo(k)fluoranthene
Concen: 41.081 ng
RT: 23.998 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:252 Resp: 3512834

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.1	9.1	13.7

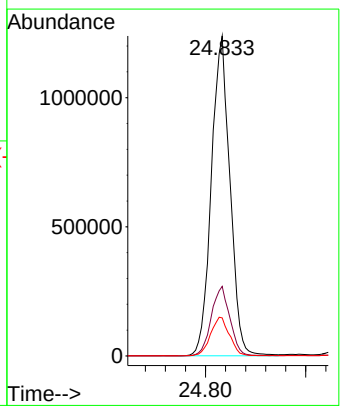


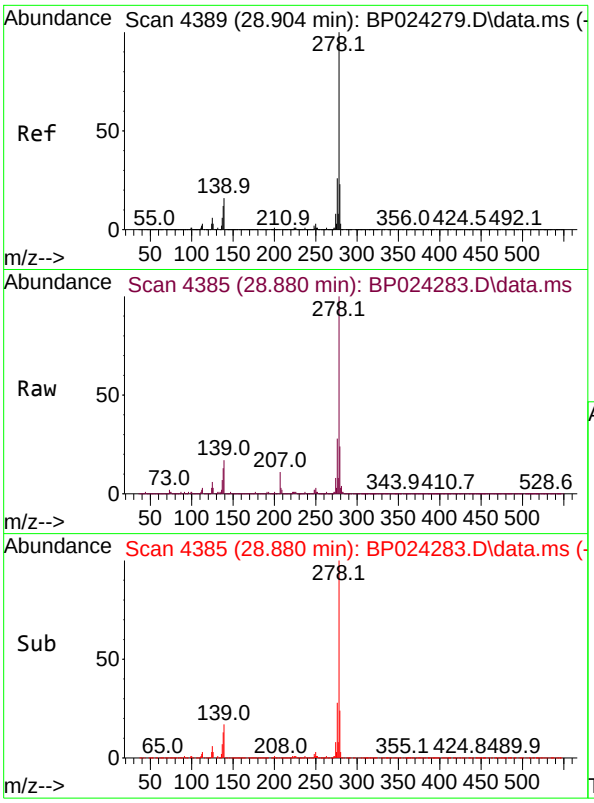


#90
Benzo(a)pyrene
Concen: 41.855 ng
RT: 24.833 min Scan# 3697
Delta R.T. 0.000 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:252 Resp: 3196130

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	11.9	10.1	15.1



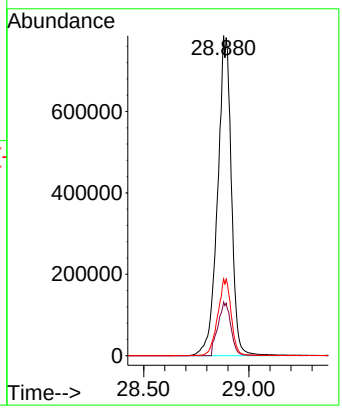


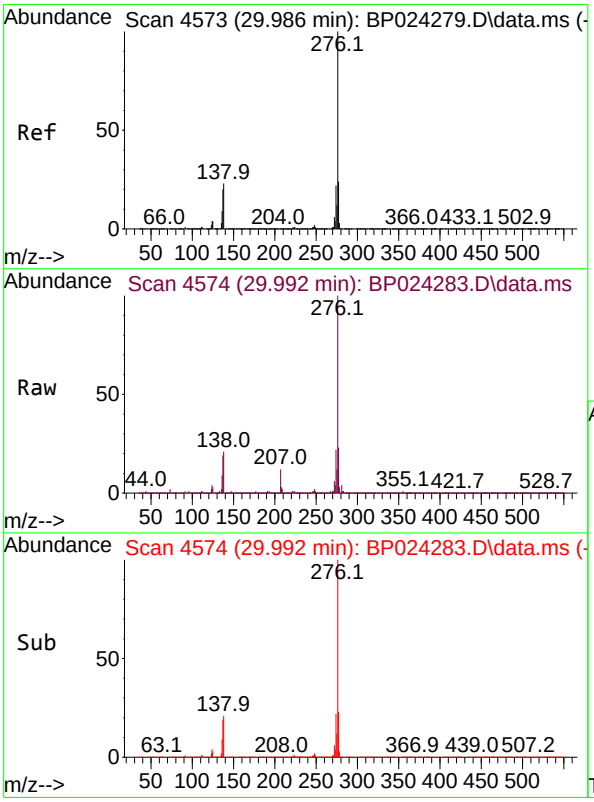
#91
Dibenzo(a,h)anthracene
Concen: 41.902 ng
RT: 28.880 min Scan# 4
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Tgt Ion:278 Resp: 3566000

Ion	Ratio	Lower	Upper
278	100		
139	16.8	12.6	19.0
279	24.0	18.5	27.7

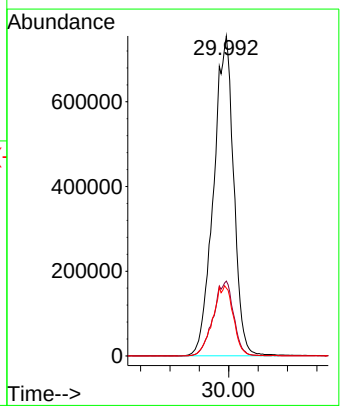




#92
Benzo(g,h,i)perylene
Concen: 41.455 ng
RT: 29.992 min Scan# 4574
Delta R.T. -0.006 min
Lab File: BP024283.D
Acq: 14 Apr 2025 18:35

Tgt Ion:276 Resp: 3590938

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.9	28.3
138	21.2	18.7	28.1



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050525\
Data File : BP024527.D
Acq On : 05 May 2025 16:05
Operator : RC/JU
Sample : Q1928-01MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Quant Time: May 05 16:44:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.710	152	168574	20.000	ng		-0.01
21) Naphthalene-d8	10.481	136	692933	20.000	ng		#-0.02
39) Acenaphthene-d10	14.340	164	426013	20.000	ng		-0.01
64) Phenanthrene-d10	17.139	188	859507	20.000	ng		0.00
76) Chrysene-d12	21.580	240	974537	20.000	ng		-0.01
86) Perylene-d12	24.910	264	1094765	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.334	112	760834	74.626	ng		-0.01
7) Phenol-d6	6.899	99	990396	70.944	ng		-0.01
23) Nitrobenzene-d5	8.857	82	560332	46.109	ng		-0.01
42) 2,4,6-Tribromophenol	15.857	330	526767	89.372	ng		0.00
45) 2-Fluorobiphenyl	12.946	172	1174863	42.225	ng		-0.02
79) Terphenyl-d14	19.857	244	2154375	44.559	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.281	88	173976	40.343	ng	#	94
3) Pyridine	3.670	79	436073	38.295	ng		92
4) n-Nitrosodimethylamine	3.581	42	192216	50.862	ng		76
6) Aniline	7.046	93	573646	45.985	ng		99
8) 2-Chlorophenol	7.287	128	556737	48.910	ng		99
9) Benzaldehyde	6.864	77	232472	33.664	ng		97
10) Phenol	6.928	94	667215	47.644	ng		93
11) bis(2-Chloroethyl)ether	7.140	93	468525	41.524	ng		100
12) 1,3-Dichlorobenzene	7.599	146	563691	45.999	ng		99
13) 1,4-Dichlorobenzene	7.740	146	571506	45.964	ng		98
14) 1,2-Dichlorobenzene	8.058	146	550339	45.838	ng		99
15) Benzyl Alcohol	7.952	79	464953	51.501	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.228	45	531072	43.545	ng		100
17) 2-Methylphenol	8.158	107	449787	49.649	ng		97
18) Hexachloroethane	8.775	117	213796	47.580	ng		97
19) n-Nitroso-di-n-propyla...	8.510	70	363951	42.141	ng		96
20) 3+4-Methylphenols	8.481	107	618160	49.177	ng		98
22) Acetophenone	8.528	105	763485	44.517	ng	#	97
24) Nitrobenzene	8.899	77	550294	45.775	ng		99
25) Isophorone	9.422	82	1028546	46.760	ng		97
26) 2-Nitrophenol	9.605	139	299689	50.941	ng		96
27) 2,4-Dimethylphenol	9.669	122	499838	67.665	ng		99
28) bis(2-Chloroethoxy)met...	9.899	93	629499	42.364	ng		98
29) 2,4-Dichlorophenol	10.140	162	504750	50.114	ng		99
30) 1,2,4-Trichlorobenzene	10.346	180	508027	47.077	ng		99
31) Naphthalene	10.534	128	1579601	43.275	ng		99
32) Benzoic acid	9.840	122	400197	46.494	ng		98
33) 4-Chloroaniline	10.646	127	370457	28.820	ng		98
34) Hexachlorobutadiene	10.816	225	316845	49.965	ng		97
35) Caprolactam	11.446	113	154861	41.670	ng		96
36) 4-Chloro-3-methylphenol	11.787	107	580722	49.501	ng		100
37) 2-Methylnaphthalene	12.146	142	1016584	40.159	ng		97
38) 1-Methylnaphthalene	12.363	142	1083639	43.758	ng		100
40) 1,2,4,5-Tetrachloroben...	12.516	216	569400	48.603	ng		98
41) Hexachlorocyclopentadiene	12.498	237	779453	188.118	ng		97
43) 2,4,6-Trichlorophenol	12.763	196	414596	53.228	ng		98

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050525\
Data File : BP024527.D
Acq On : 05 May 2025 16:05
Operator : RC/JU
Sample : Q1928-01MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Quant Time: May 05 16:44:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.846	196	457182	53.004	ng		99
46) 1,1'-Biphenyl	13.163	154	1448709	46.264	ng		98
47) 2-Chloronaphthalene	13.204	162	1112999	47.556	ng		98
48) 2-Nitroaniline	13.416	65	353376	53.828	ng		98
49) Acenaphthylene	14.063	152	1833713	49.765	ng		99
50) Dimethylphthalate	13.798	163	1490029	48.096	ng		99
51) 2,6-Dinitrotoluene	13.916	165	325026	49.406	ng		95
52) Acenaphthene	14.404	154	1048157	44.869	ng		99
53) 3-Nitroaniline	14.257	138	223144	32.273	ng		98
54) 2,4-Dinitrophenol	14.469	184	437557	112.914	ng		89
55) Dibenzofuran	14.751	168	1666737	43.650	ng		96
56) 4-Nitrophenol	14.592	139	624675	104.609	ng		90
57) 2,4-Dinitrotoluene	14.722	165	472668	52.671	ng		99
58) Fluorene	15.404	166	1390272	47.033	ng		100
59) 2,3,4,6-Tetrachlorophenol	14.981	232	401699	50.495	ng		98
60) Diethylphthalate	15.181	149	1482225	46.427	ng		100
61) 4-Chlorophenyl-phenyle...	15.398	204	681083	47.449	ng		98
62) 4-Nitroaniline	15.434	138	356697	48.732	ng		87
63) Azobenzene	15.698	77	1401152	47.750	ng		96
65) 4,6-Dinitro-2-methylph...	15.492	198	276566	51.038	ng		97
66) n-Nitrosodiphenylamine	15.622	169	1219975	47.554	ng		98
67) 4-Bromophenyl-phenylether	16.310	248	461135	49.056	ng		98
68) Hexachlorobenzene	16.434	284	578175	51.761	ng		99
69) Atrazine	16.598	200	453253	69.369	ng		98
70) Pentachlorophenol	16.792	266	825072	105.879	ng		99
71) Phenanthrene	17.186	178	2170334	46.287	ng		99
72) Anthracene	17.275	178	2202133	48.730	ng		99
73) Carbazole	17.563	167	2117914	47.965	ng		99
74) Di-n-butylphthalate	18.145	149	2635239	47.904	ng		99
75) Fluoranthene	19.269	202	2627400	47.115	ng		97
77) Benzidine	19.469	184	1058859	85.716	ng		99
78) Pyrene	19.645	202	2739390	44.232	ng		99
80) Butylbenzylphthalate	20.592	149	1298523	48.950	ng		95
81) Benzo(a)anthracene	21.563	228	2899165	47.862	ng		99
82) 3,3'-Dichlorobenzidine	21.480	252	727023	34.196	ng		100
83) Chrysene	21.633	228	2678462	46.155	ng		100
84) Bis(2-ethylhexyl)phtha...	21.492	149	1847858	47.517	ng		99
85) Di-n-octyl phthalate	22.763	149	3200463	50.624	ng		100
87) Indeno(1,2,3-cd)pyrene	28.704	276	3826691	50.349	ng		98
88) Benzo(b)fluoranthene	23.863	252	3036144	46.268	ng	#	96
89) Benzo(k)fluoranthene	23.927	252	3015564	47.574	ng	#	97
90) Benzo(a)pyrene	24.763	252	2889633	51.050	ng	#	97
91) Dibenzo(a,h)anthracene	28.780	278	3139375	49.764	ng		97
92) Benzo(g,h,i)perylene	29.874	276	3071570	47.835	ng		95

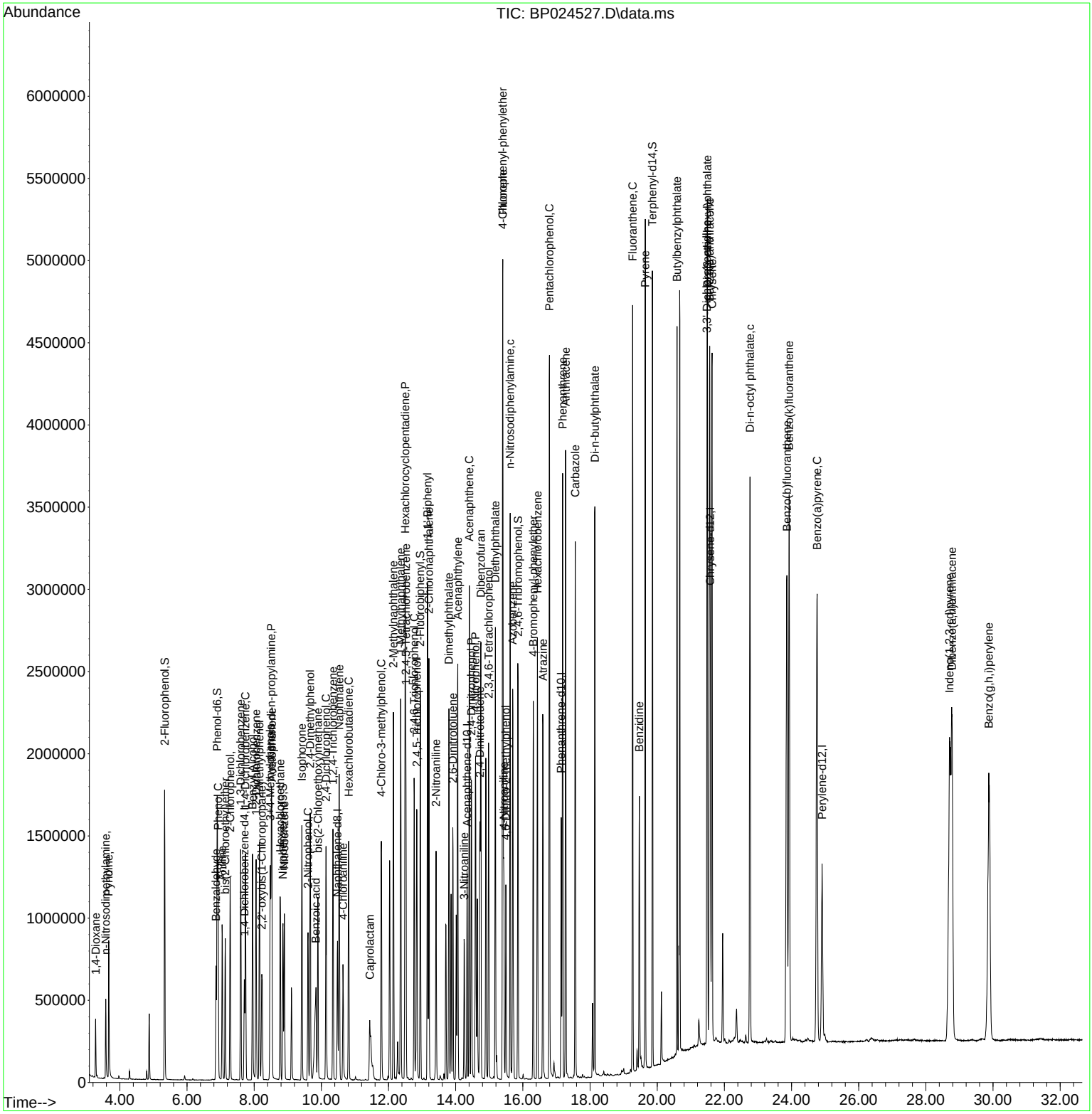
(#) = qualifier out of range (m) = manual integration (+) = signals summed

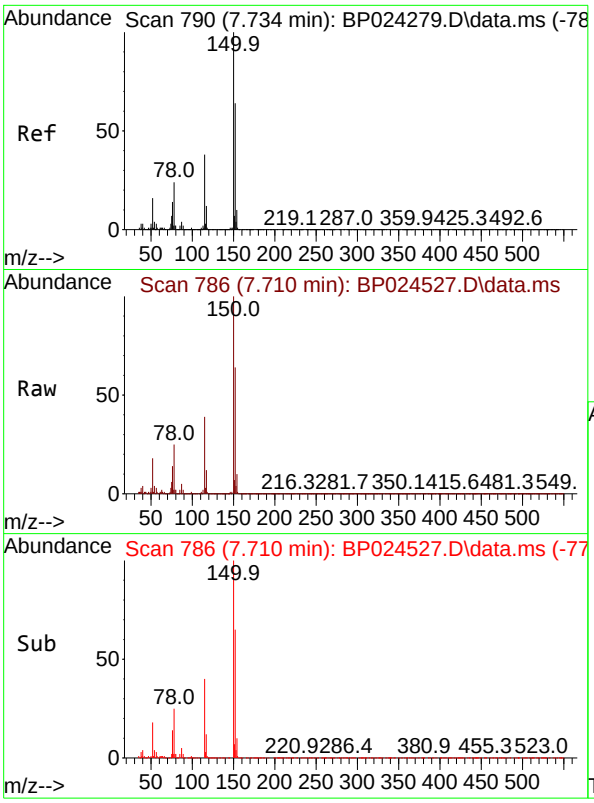
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050525\
Data File : BP024527.D
Acq On : 05 May 2025 16:05
Operator : RC/JU
Sample : Q1928-01MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Quant Time: May 05 16:44:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration



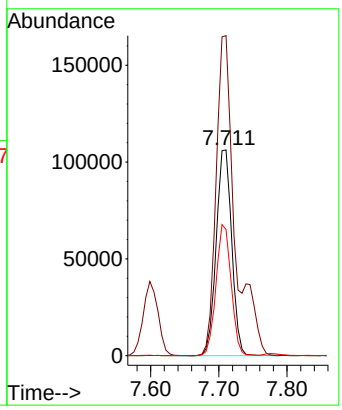


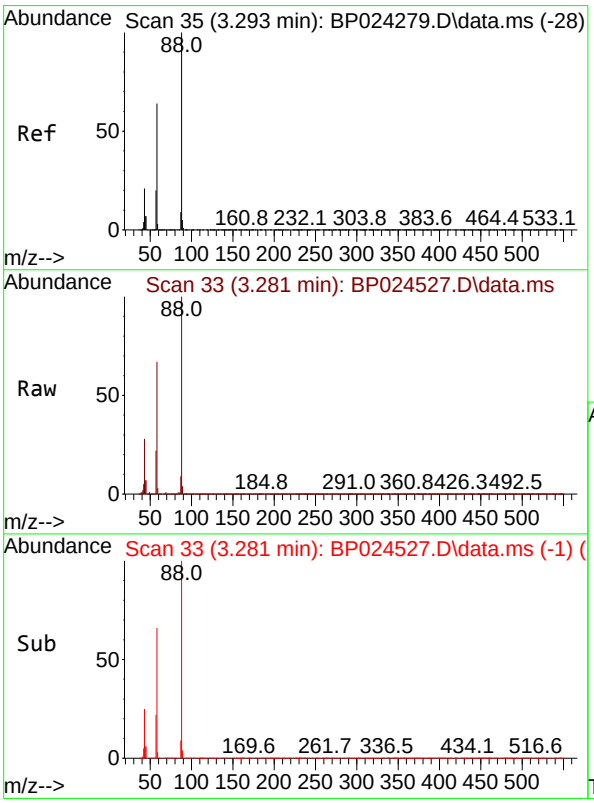
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.710 min Scan# 7
Delta R.T. -0.012 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:152 Resp: 168574

Ion	Ratio	Lower	Upper
152	100		
150	155.5	124.9	187.3
115	61.3	47.7	71.5

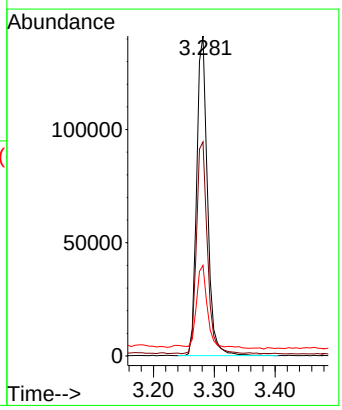


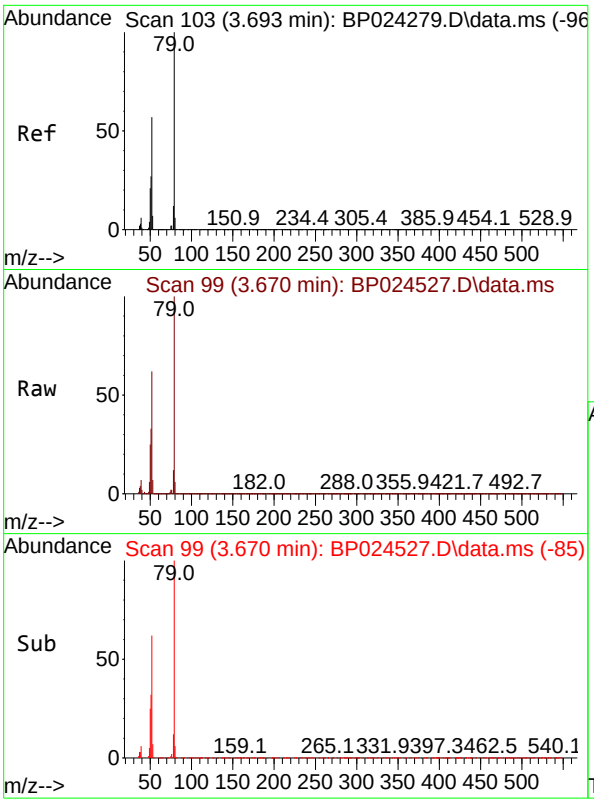


#2
1,4-Dioxane
Concen: 40.343 ng
RT: 3.281 min Scan# 33
Delta R.T. -0.006 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion: 88 Resp: 173976

Ion	Ratio	Lower	Upper
88	100		
58	67.3	51.4	77.2
43	26.6	17.1	25.7#



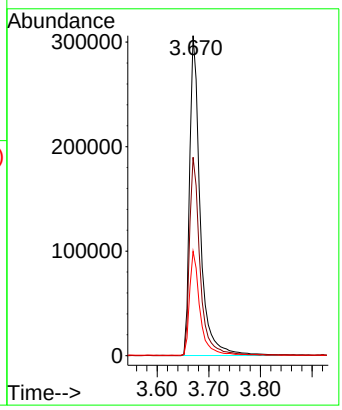


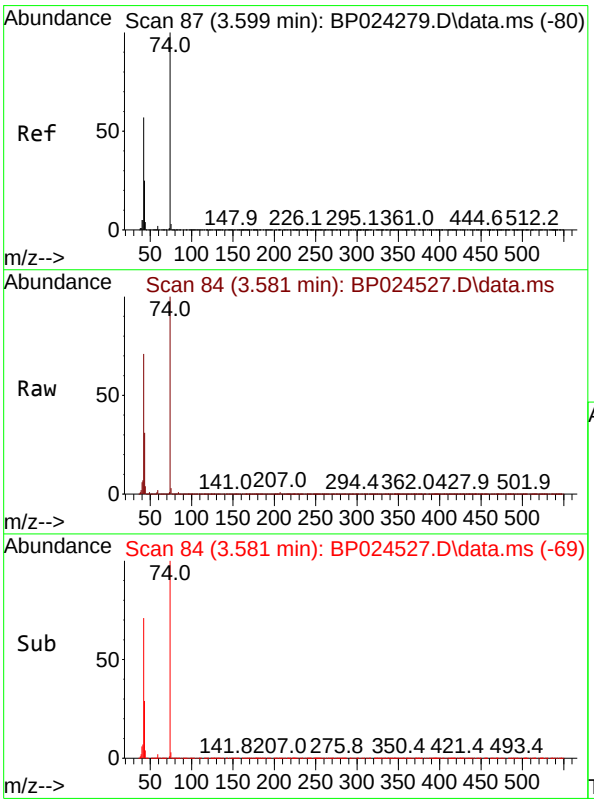
#3
Pyridine
Concen: 38.295 ng
RT: 3.670 min Scan# 9
Delta R.T. -0.018 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion: 79 Resp: 436073

Ion	Ratio	Lower	Upper
79	100		
52	62.0	45.4	68.2
51	32.6	22.6	33.8

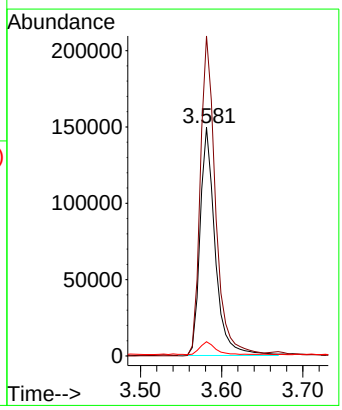


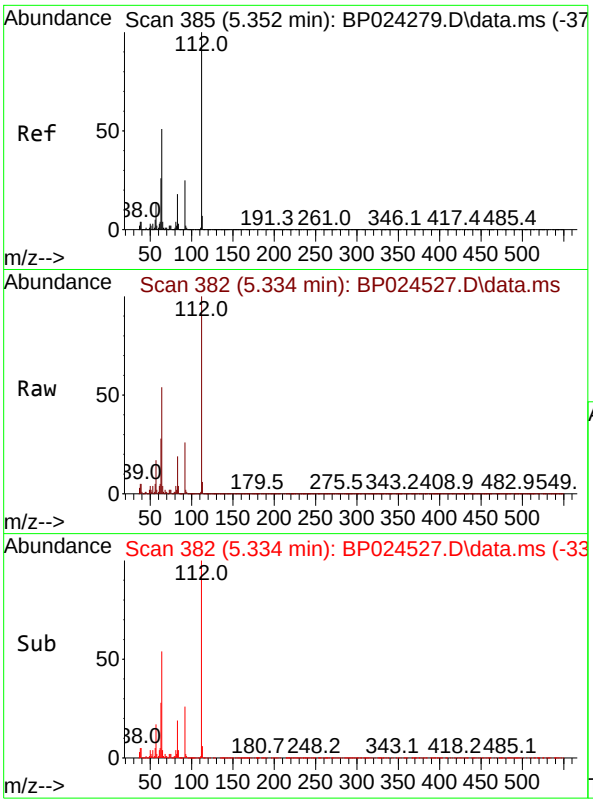


#4
n-Nitrosodimethylamine
Concen: 50.862 ng
RT: 3.581 min Scan# 84
Delta R.T. -0.012 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion: 42 Resp: 192216

Ion	Ratio	Lower	Upper
42	100		
74	140.0	139.5	209.3
44	6.3	5.8	8.8



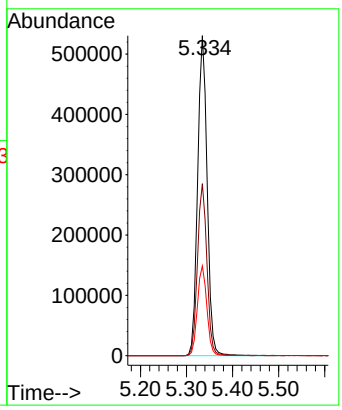


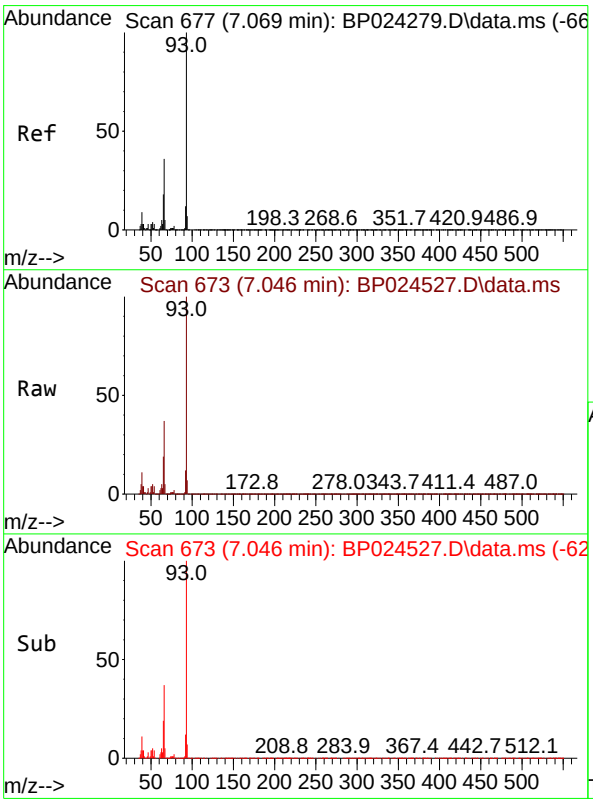
#5
2-Fluorophenol
Concen: 74.626 ng
RT: 5.334 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:112 Resp: 760834

Ion	Ratio	Lower	Upper
112	100		
64	53.7	41.1	61.7
63	28.1	20.6	30.8

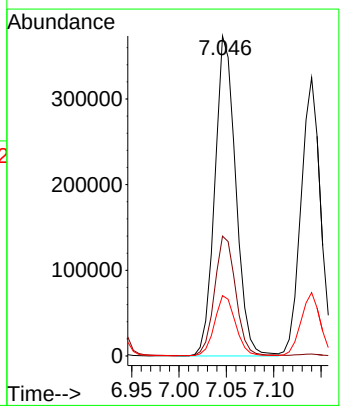


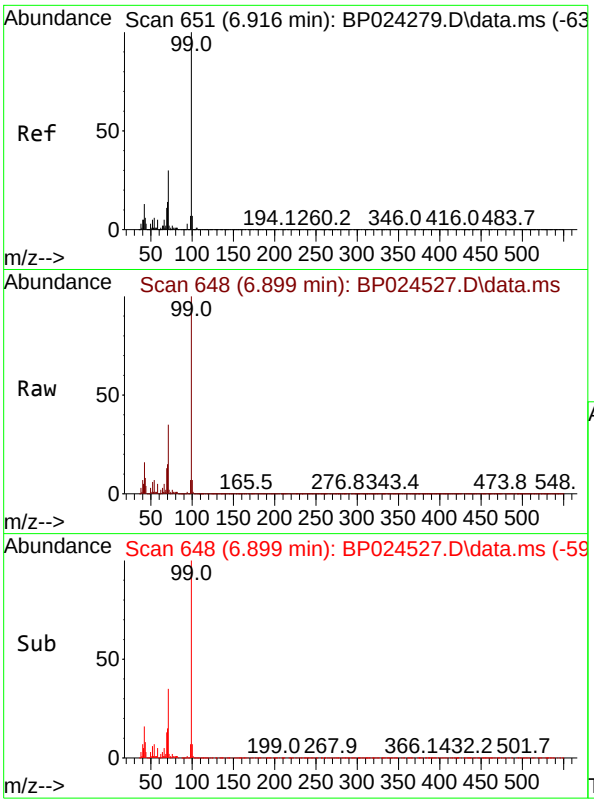


#6
Aniline
Concen: 45.985 ng
RT: 7.046 min Scan# 673
Delta R.T. -0.018 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion: 93 Resp: 573646

Ion	Ratio	Lower	Upper
93	100		
66	37.4	29.1	43.7
65	18.8	14.7	22.1



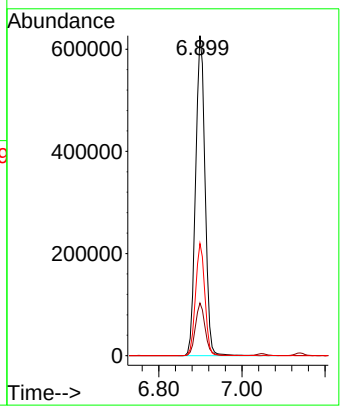


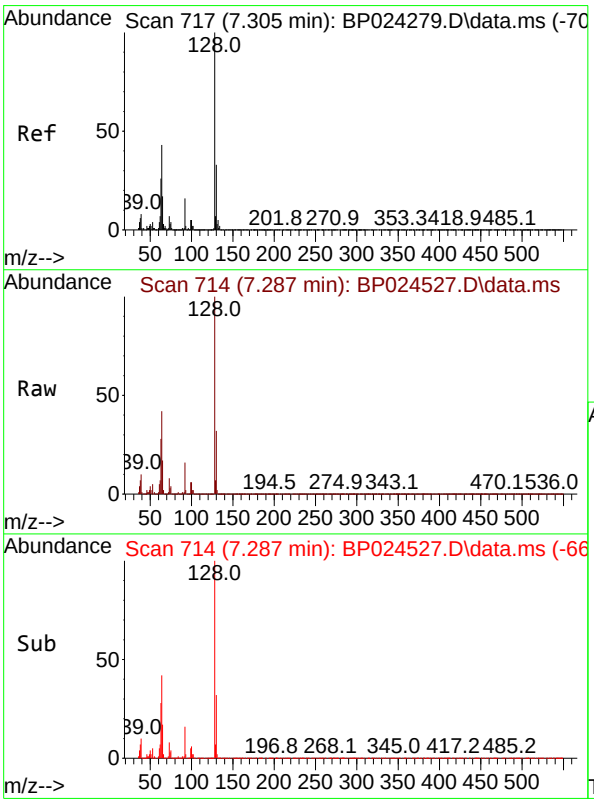
#7
Phenol-d6
Concen: 70.944 ng
RT: 6.899 min Scan# 64
Delta R.T. -0.012 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion: 99 Resp: 990396

Ion	Ratio	Lower	Upper
99	100		
42	16.4	10.6	16.0#
71	35.0	23.7	35.5

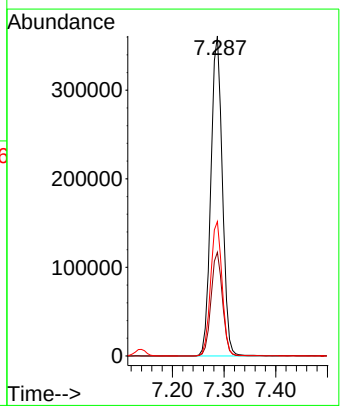


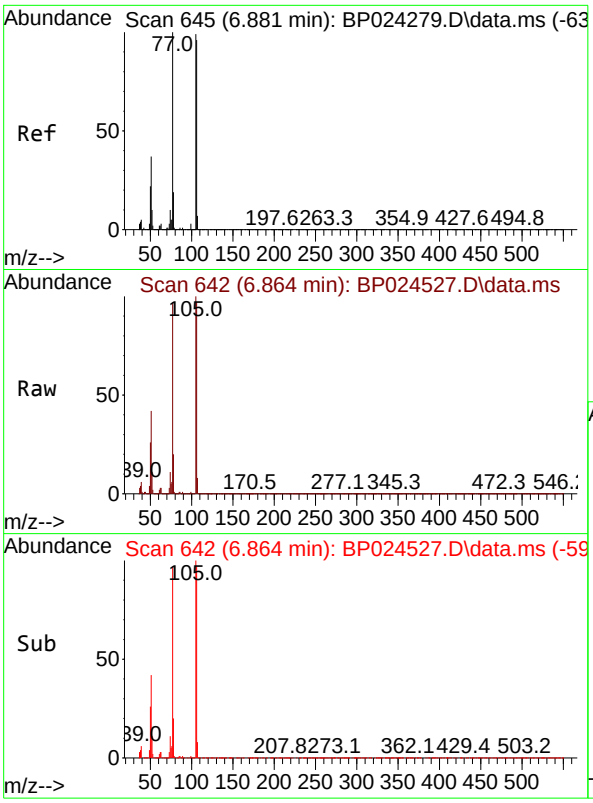


#8
2-Chlorophenol
Concen: 48.910 ng
RT: 7.287 min Scan# 714
Delta R.T. -0.012 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion:128 Resp: 556737

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.9	52.9
64	42.0	22.7	62.7



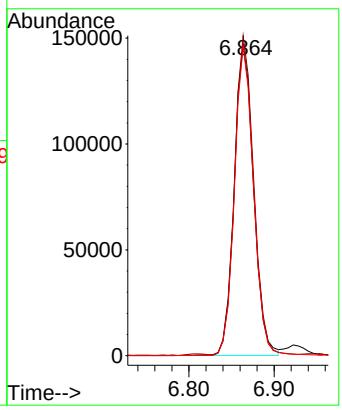


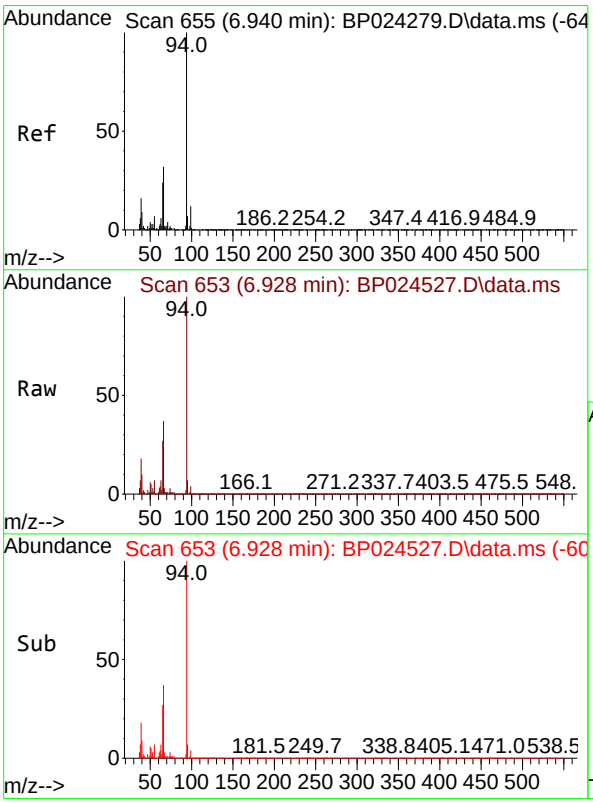
#9
Benzaldehyde
Concen: 33.664 ng
RT: 6.864 min Scan# 64
Delta R.T. -0.018 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion: 77 Resp: 232472

Ion	Ratio	Lower	Upper
77	100		
105	102.7	79.2	119.2
106	99.3	76.2	116.2

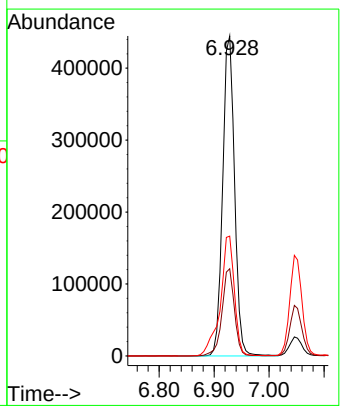


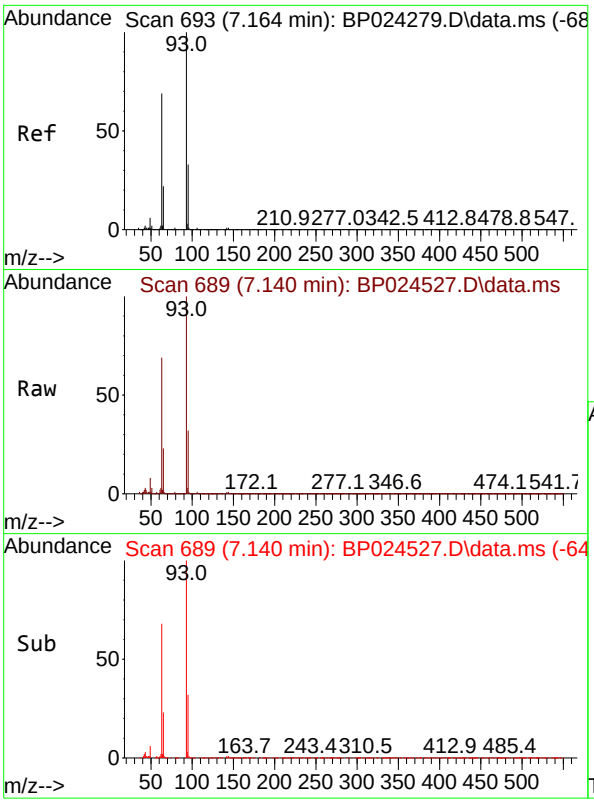


#10
Phenol
Concen: 47.644 ng
RT: 6.928 min Scan# 653
Delta R.T. -0.012 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion: 94 Resp: 667215

Ion	Ratio	Lower	Upper
94	100		
65	27.2	4.5	44.5
66	37.4	12.4	52.4



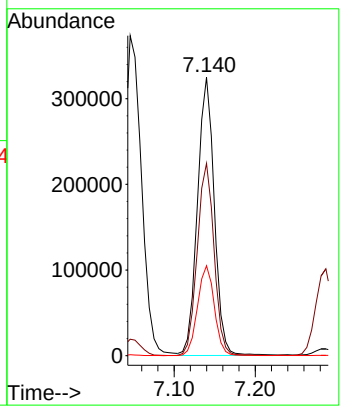


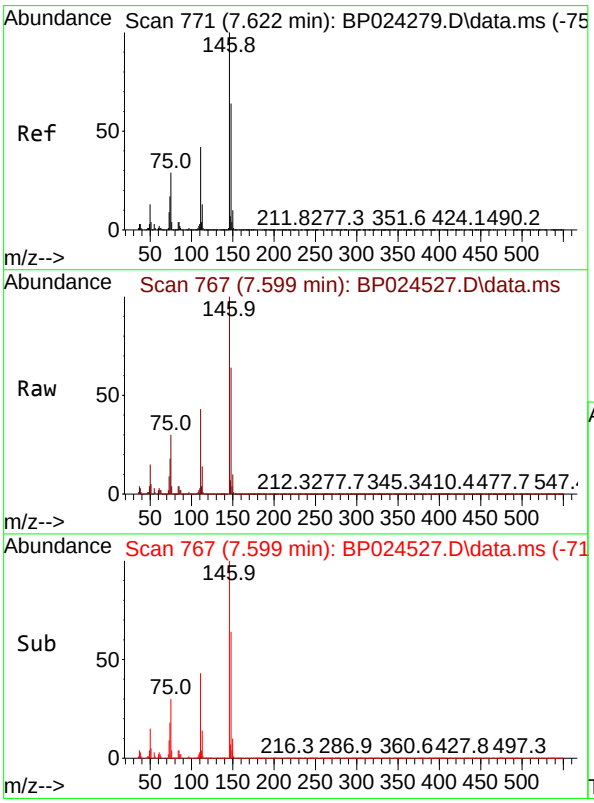
#11
bis(2-Chloroethyl)ether
Concen: 41.524 ng
RT: 7.140 min Scan# 6
Delta R.T. -0.018 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion: 93 Resp: 468525

Ion	Ratio	Lower	Upper
93	100		
63	69.1	48.6	88.6
95	32.3	12.3	52.3

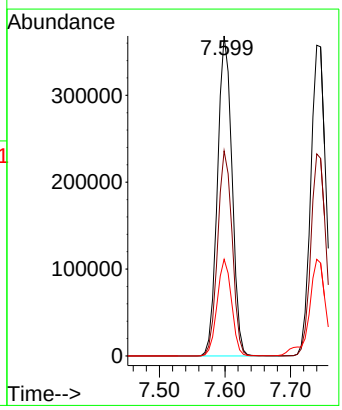


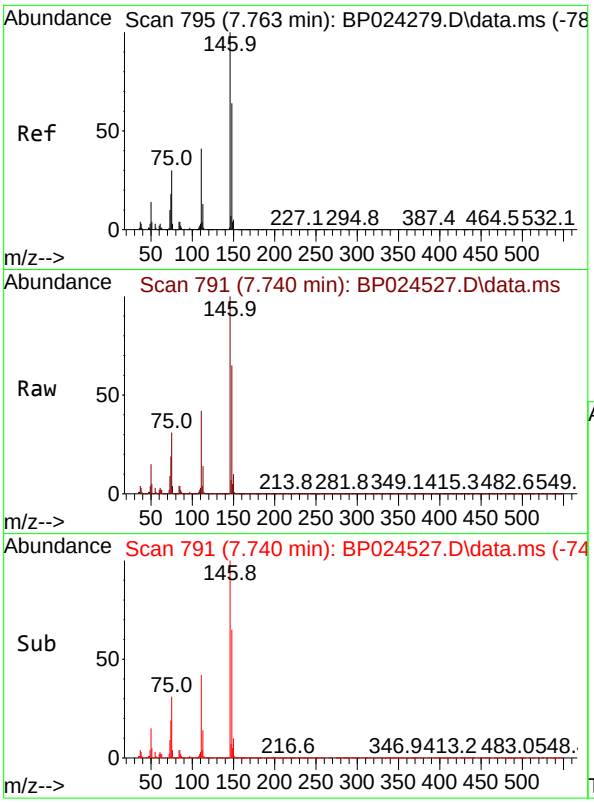


#12
1,3-Dichlorobenzene
Concen: 45.999 ng
RT: 7.599 min Scan# 767
Delta R.T. -0.018 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion:146 Resp: 563691

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.4	77.0
75	30.2	22.9	34.3



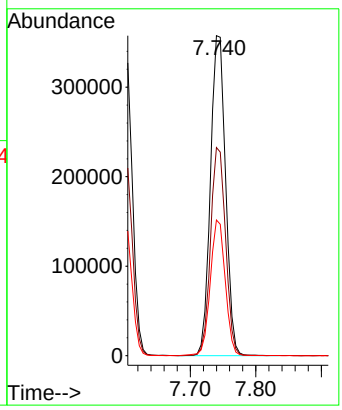


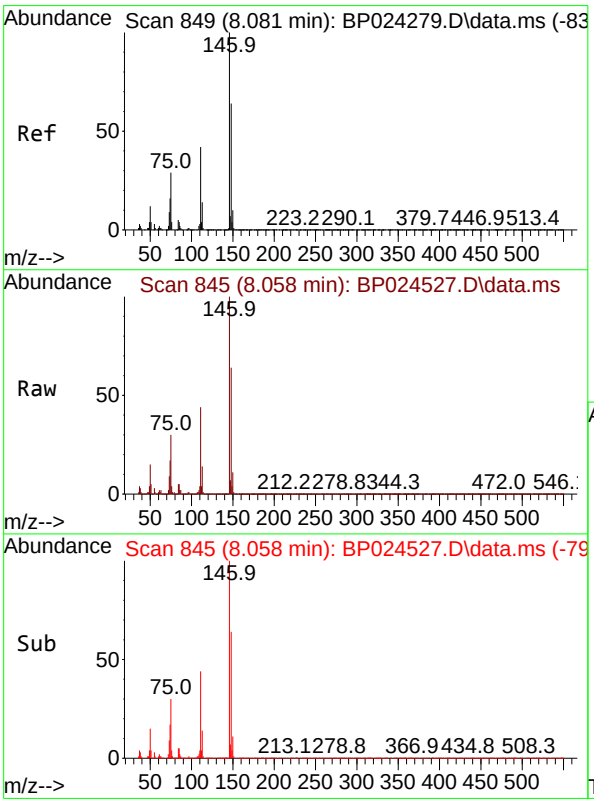
#13
1,4-Dichlorobenzene
Concen: 45.964 ng
RT: 7.740 min Scan# 7
Delta R.T. -0.018 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:146 Resp: 571506

Ion	Ratio	Lower	Upper
146	100		
148	65.1	51.1	76.7
111	42.4	32.6	48.8

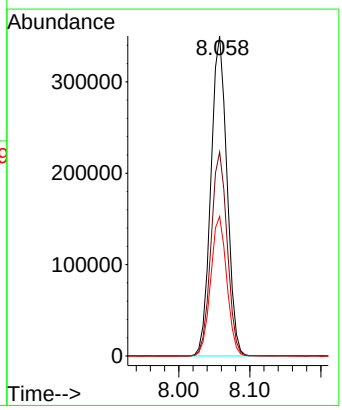


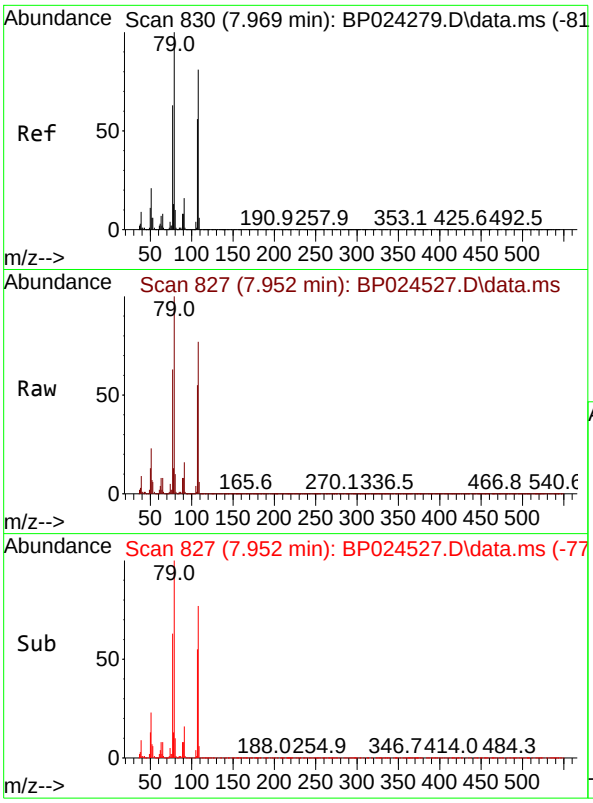


#14
1,2-Dichlorobenzene
Concen: 45.838 ng
RT: 8.058 min Scan# 845
Delta R.T. -0.018 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion:146 Resp: 550339

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.4
111	43.6	33.8	50.8



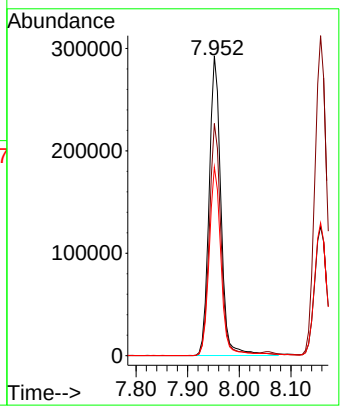


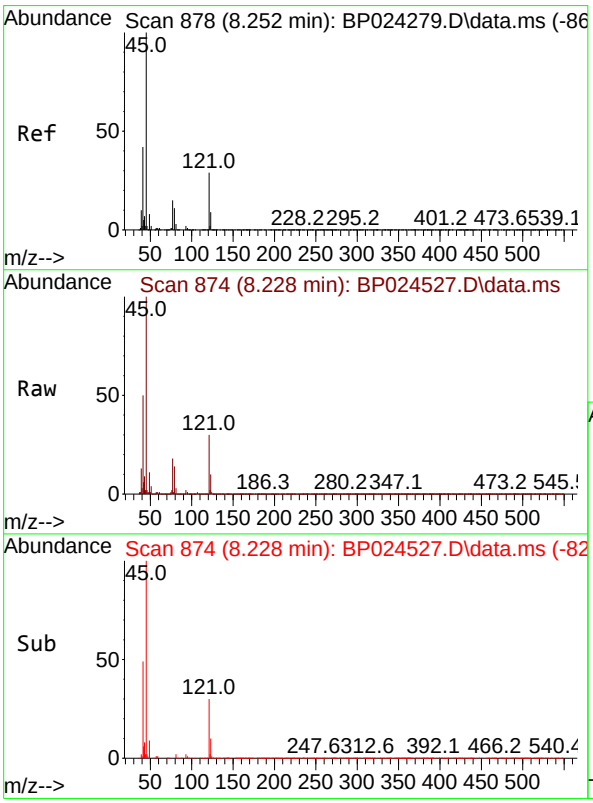
#15
Benzyl Alcohol
Concen: 51.501 ng
RT: 7.952 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion: 79 Resp: 464953

Ion	Ratio	Lower	Upper
79	100		
108	77.4	65.1	97.7
77	62.9	50.7	76.1

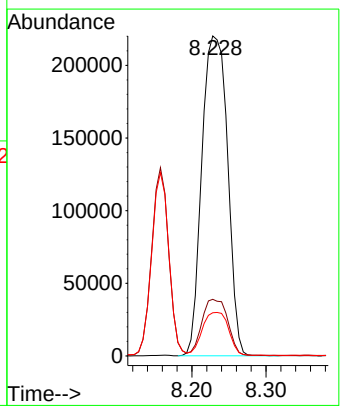


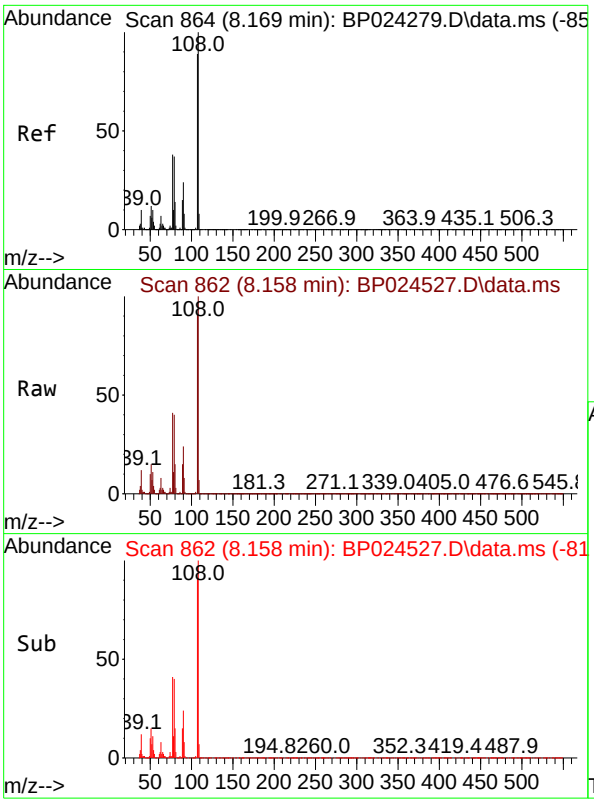


#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.545 ng
RT: 8.228 min Scan# 874
Delta R.T. -0.018 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion: 45 Resp: 531072

Ion	Ratio	Lower	Upper
45	100		
77	17.7	0.0	37.7
79	13.5	0.0	33.5



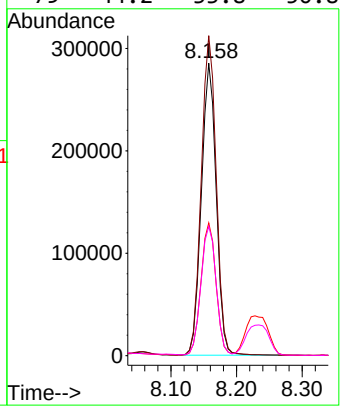


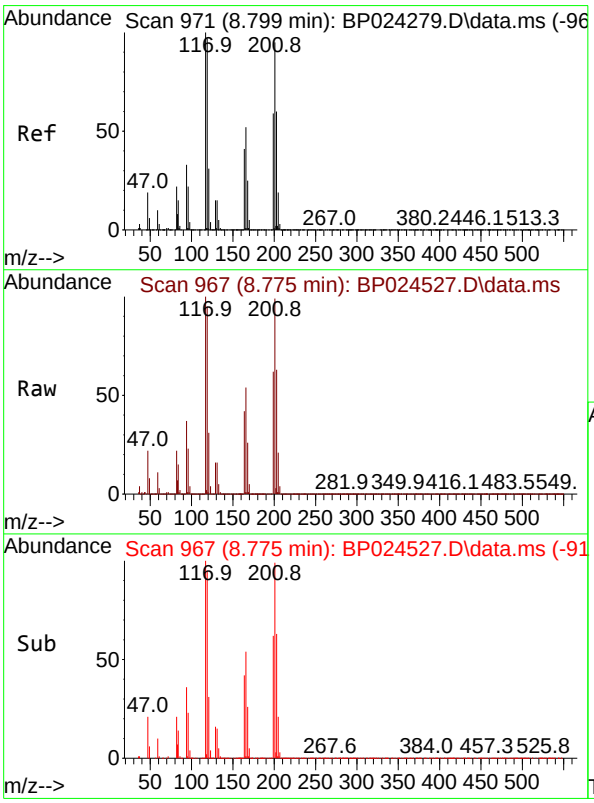
#17
2-Methylphenol
Concen: 49.649 ng
RT: 8.158 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:107 Resp: 449787

Ion	Ratio	Lower	Upper
107	100		
108	109.4	89.8	134.6
77	45.4	34.2	51.4
79	44.2	33.8	50.8

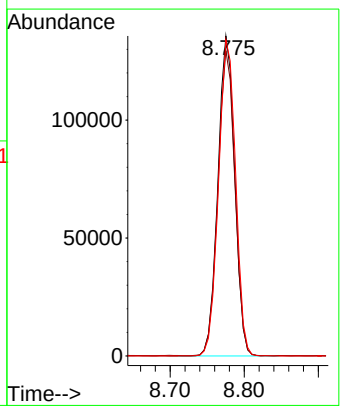


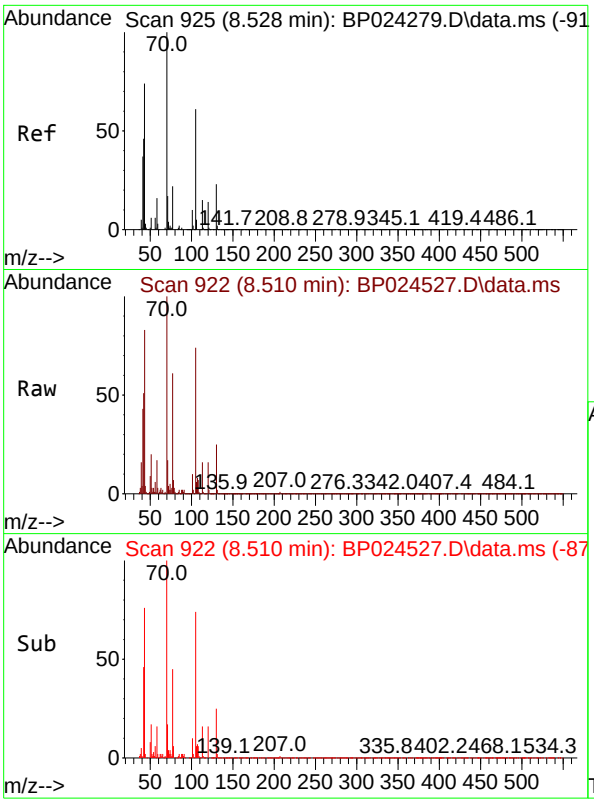


#18
Hexachloroethane
Concen: 47.580 ng
RT: 8.775 min Scan# 967
Delta R.T. -0.018 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion:117 Resp: 213796

Ion	Ratio	Lower	Upper
117	100		
119	95.4	77.8	116.6
201	98.9	75.9	113.9



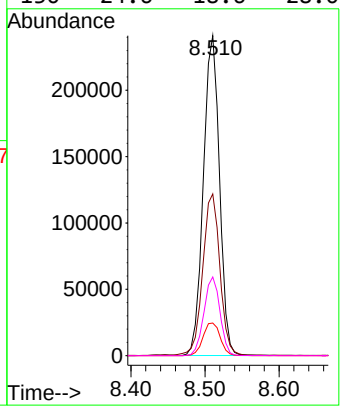


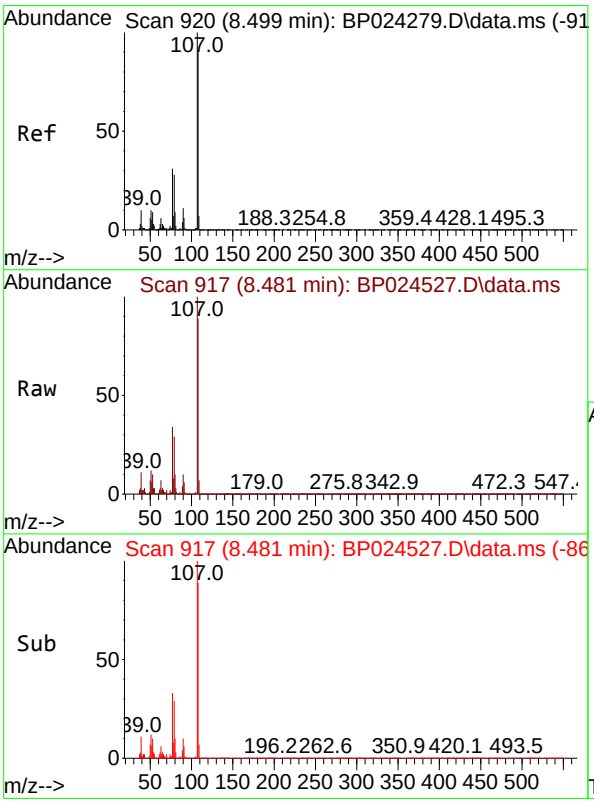
#19
n-Nitroso-di-n-propylamine
Concen: 42.141 ng
RT: 8.510 min Scan# 9
Delta R.T. -0.012 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion: 70 Resp: 363951

Ion	Ratio	Lower	Upper
70	100		
42	50.6	37.3	55.9
101	10.2	8.2	12.4
130	24.6	18.6	28.0

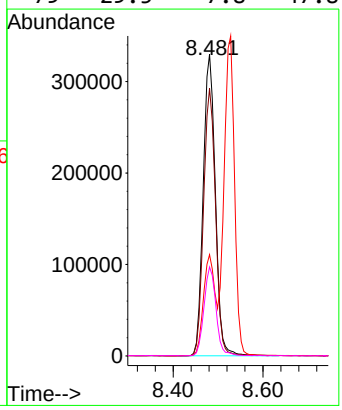


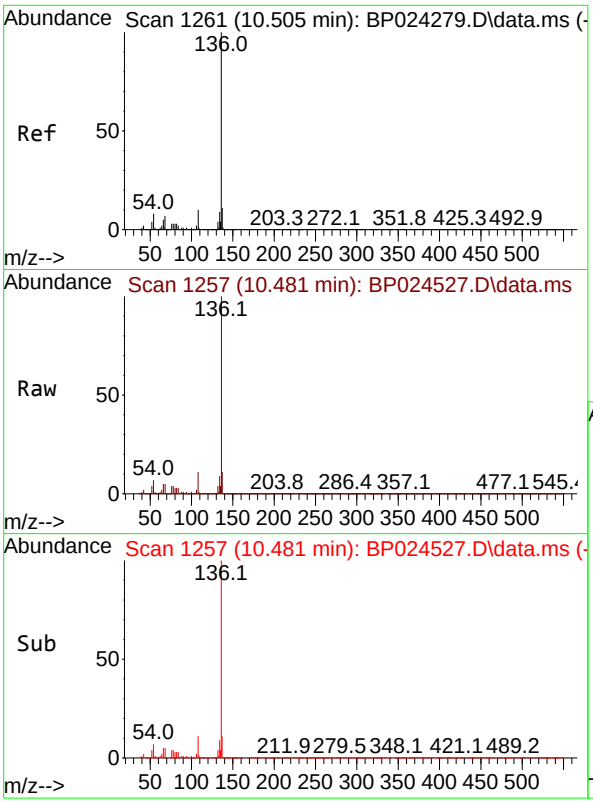


#20
3+4-Methylphenols
Concen: 49.177 ng
RT: 8.481 min Scan# 917
Delta R.T. -0.012 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion:107 Resp: 618160

Ion	Ratio	Lower	Upper
107	100		
108	88.7	69.8	109.8
77	33.5	11.5	51.5
79	29.5	7.8	47.8



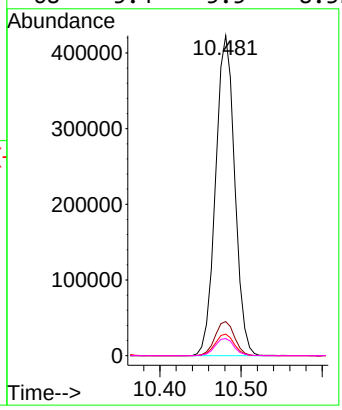


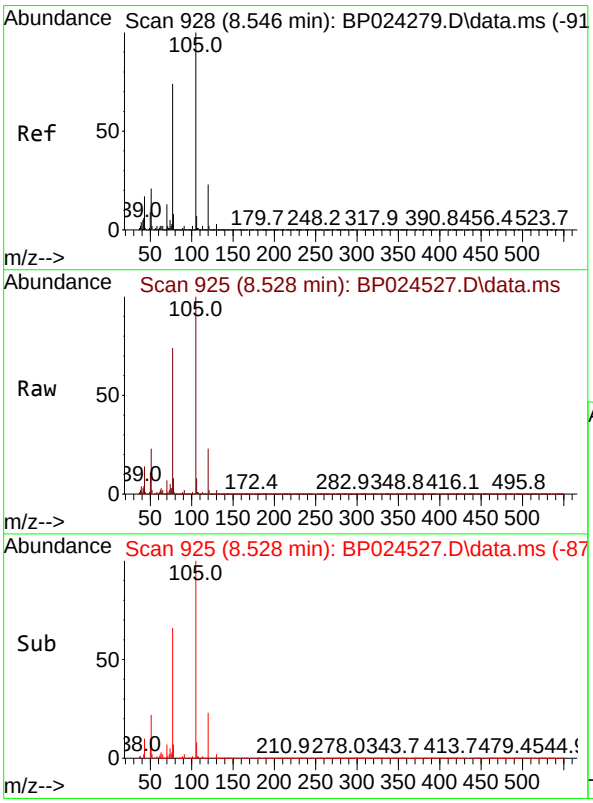
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.481 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:136 Resp: 692933

Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.2	13.8
54	6.8	6.0	9.0
68	5.4	5.5	8.3#

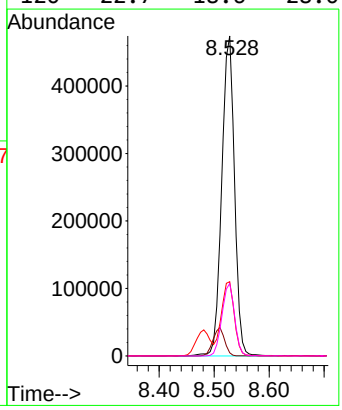


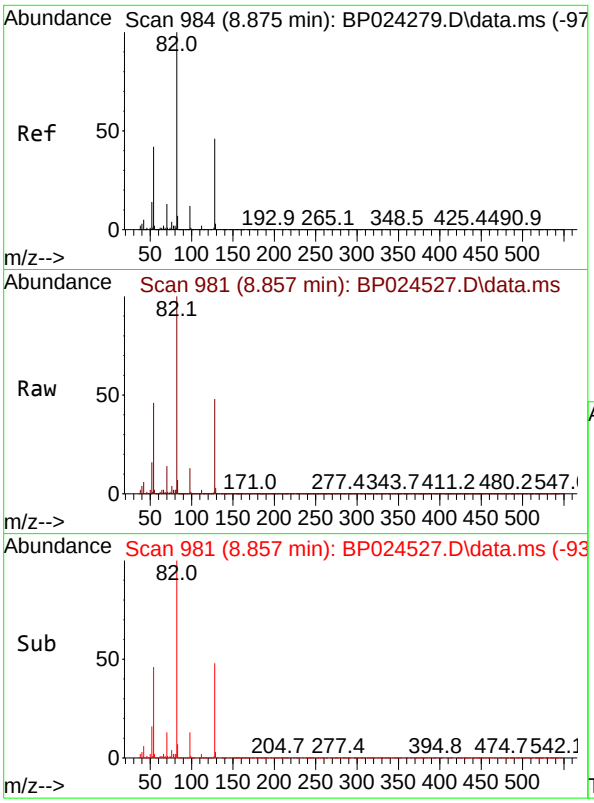


#22
Acetophenone
Concen: 44.517 ng
RT: 8.528 min Scan# 925
Delta R.T. -0.012 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion:105 Resp: 763485

Ion	Ratio	Lower	Upper
105	100		
71	1.0	1.7	2.5#
51	23.2	16.9	25.3
120	22.7	18.6	28.0



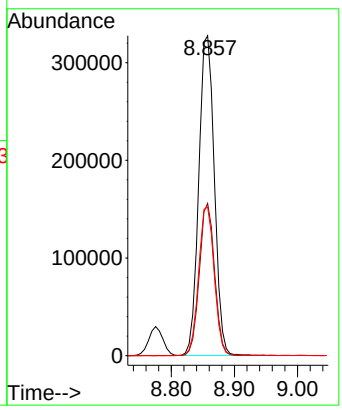


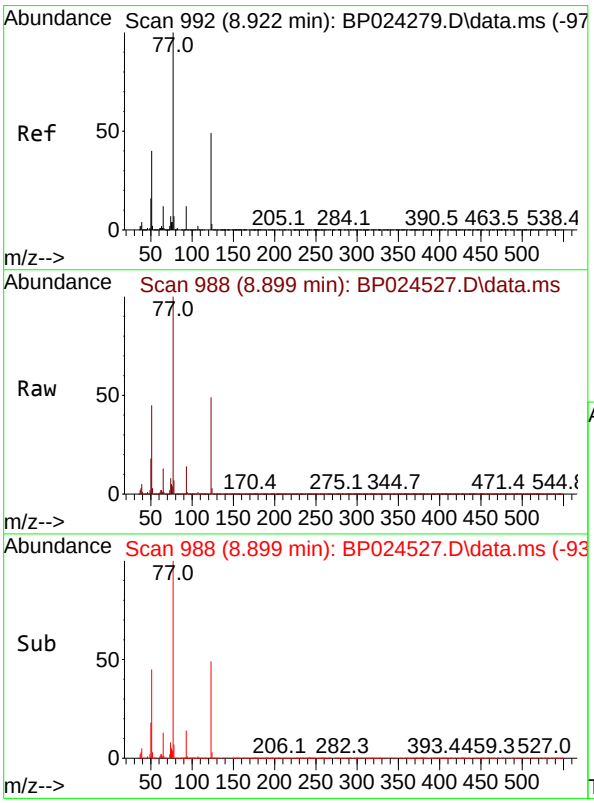
#23
Nitrobenzene-d5
Concen: 46.109 ng
RT: 8.857 min Scan# 9
Delta R.T. -0.012 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion: 82 Resp: 560332

Ion	Ratio	Lower	Upper
82	100		
128	47.6	36.5	54.7
54	46.5	33.4	50.2

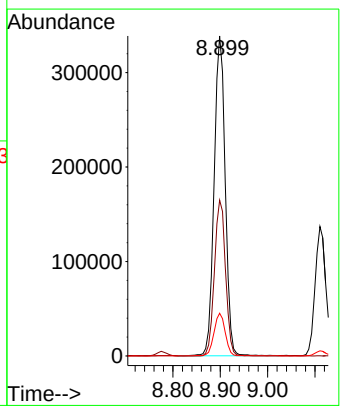


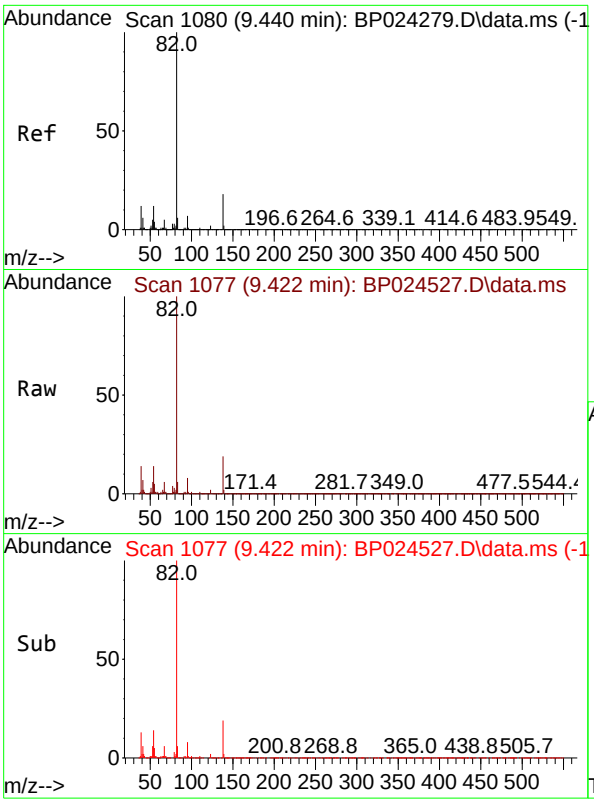


#24
Nitrobenzene
Concen: 45.775 ng
RT: 8.899 min Scan# 988
Delta R.T. -0.012 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion: 77 Resp: 550294

Ion	Ratio	Lower	Upper
77	100		
123	48.7	39.2	58.8
65	13.4	9.8	14.6



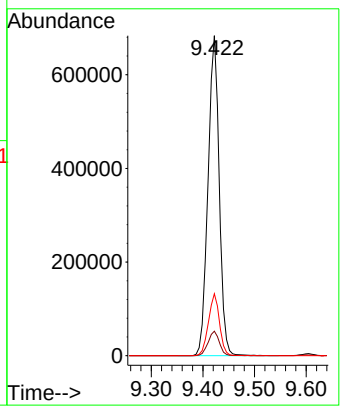


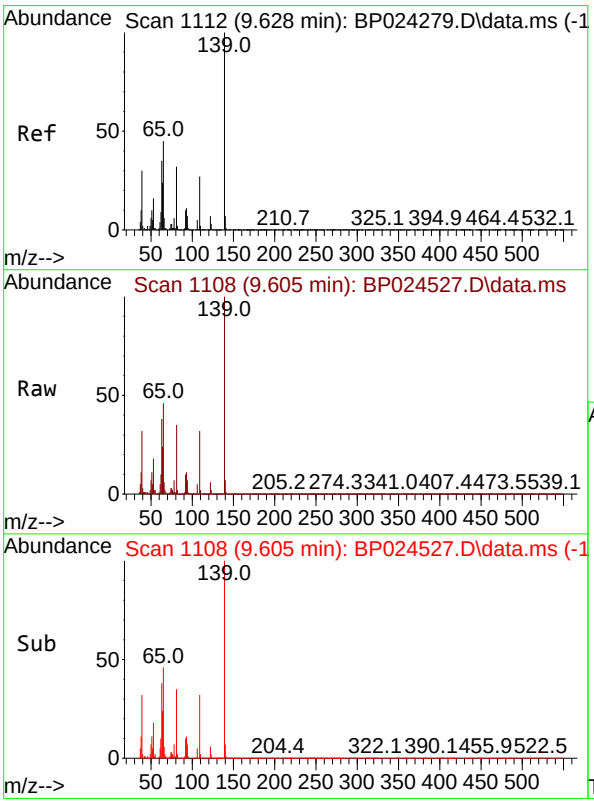
#25
Isophorone
Concen: 46.760 ng
RT: 9.422 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion: 82 Resp: 1028546

Ion	Ratio	Lower	Upper
82	100		
95	7.7	5.4	8.2
138	19.4	14.4	21.6

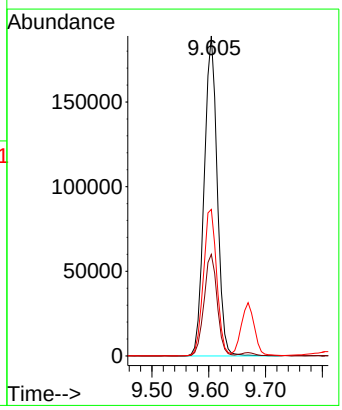


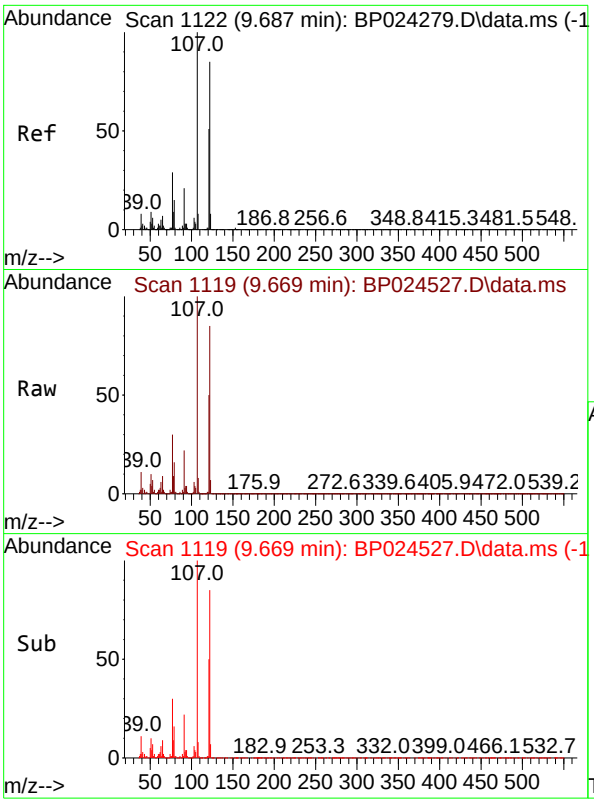


#26
2-Nitrophenol
Concen: 50.941 ng
RT: 9.605 min Scan# 1108
Delta R.T. -0.012 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion:139 Resp: 299689

Ion	Ratio	Lower	Upper
139	100		
109	31.8	21.8	32.6
65	45.8	36.2	54.2



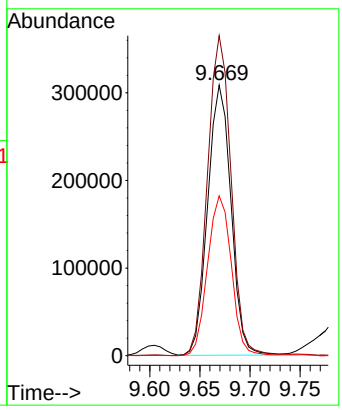


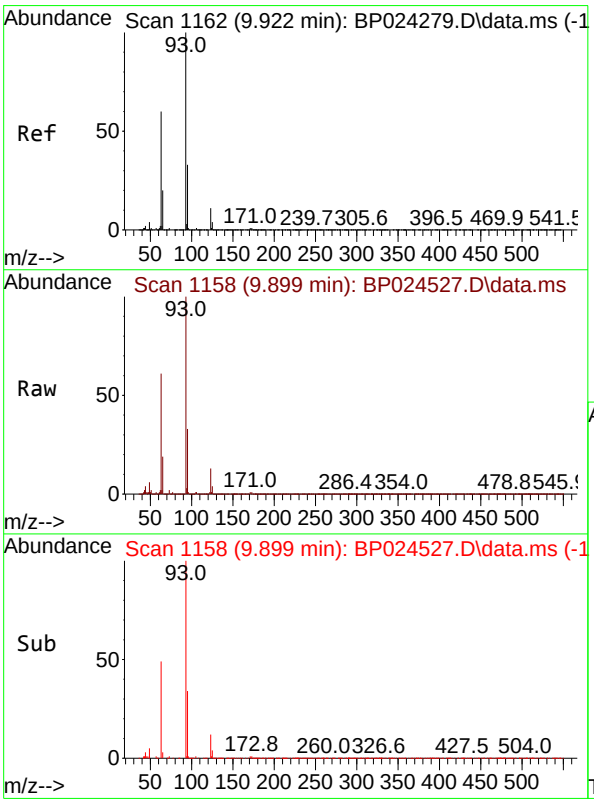
#27
2,4-Dimethylphenol
Concen: 67.665 ng
RT: 9.669 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:122 Resp: 499838

Ion	Ratio	Lower	Upper
122	100		
107	118.3	93.7	140.5
121	59.1	48.2	72.2

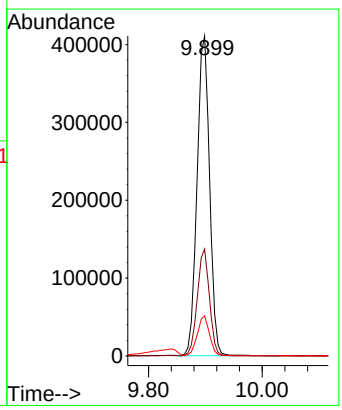


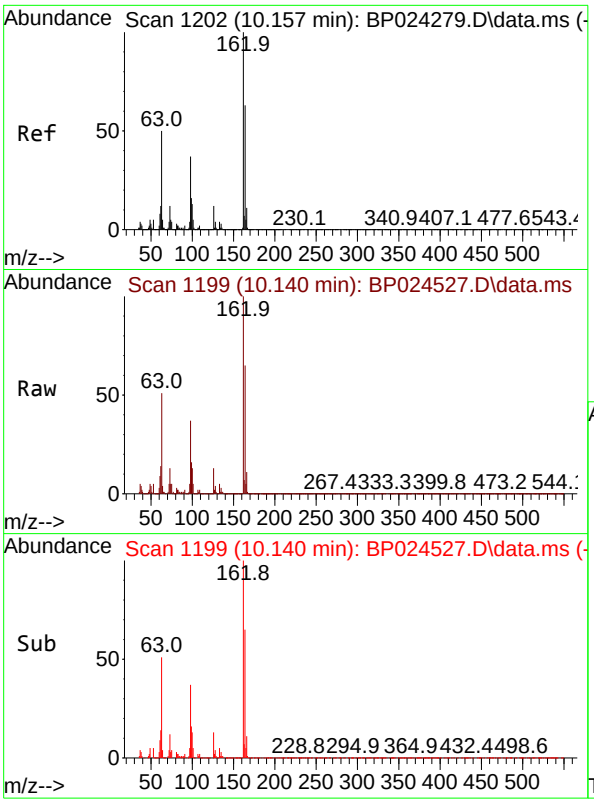


#28
bis(2-Chloroethoxy)methane
Concen: 42.364 ng
RT: 9.899 min Scan# 1158
Delta R.T. -0.012 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion: 93 Resp: 629499

Ion	Ratio	Lower	Upper
93	100		
95	33.4	26.0	39.0
123	12.6	9.1	13.7



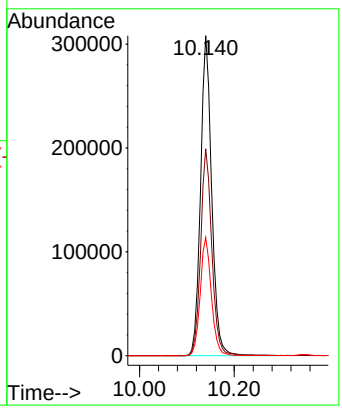


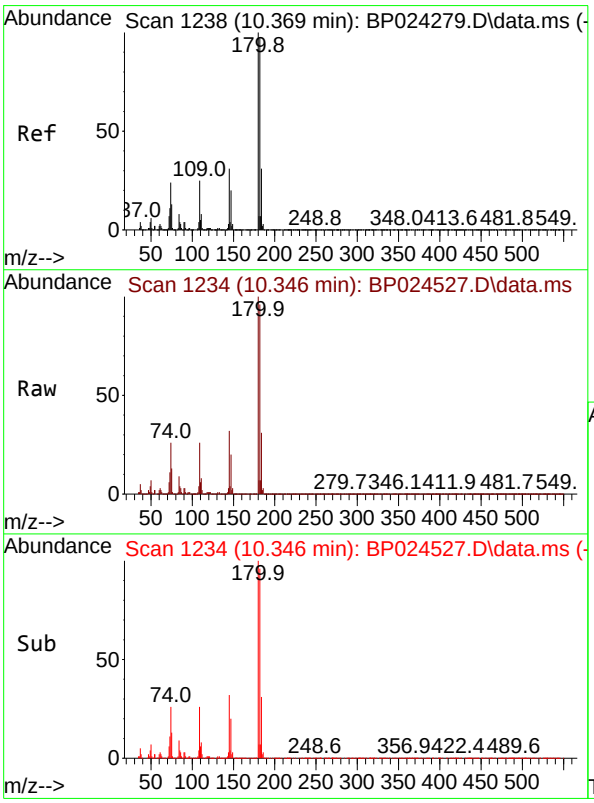
#29
2,4-Dichlorophenol
Concen: 50.114 ng
RT: 10.140 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:162 Resp: 504750

Ion	Ratio	Lower	Upper
162	100		
164	64.6	43.3	83.3
98	36.9	16.6	56.6

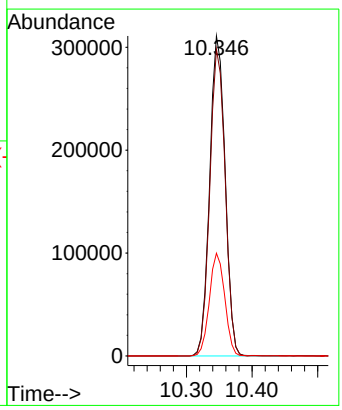


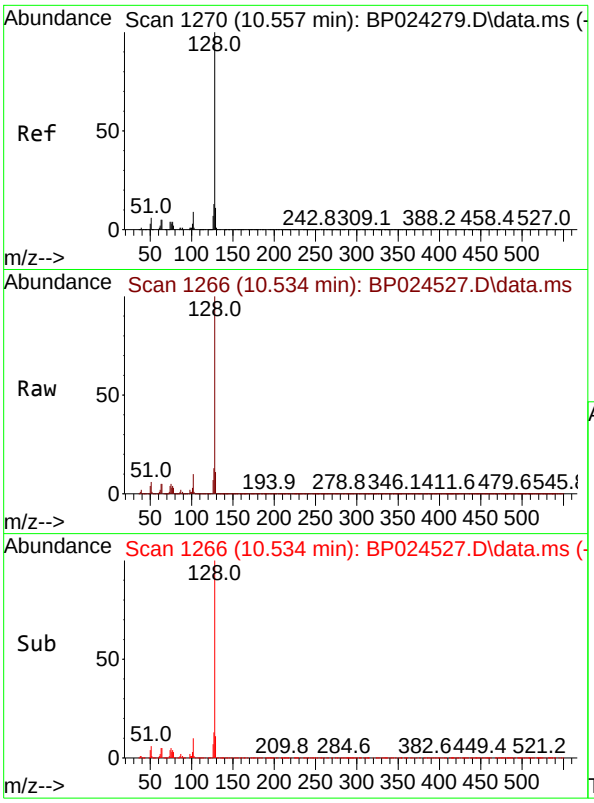


#30
1,2,4-Trichlorobenzene
Concen: 47.077 ng
RT: 10.346 min Scan# 1234
Delta R.T. -0.018 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion:180 Resp: 508027

Ion	Ratio	Lower	Upper
180	100		
182	95.9	77.3	115.9
145	32.1	25.1	37.7



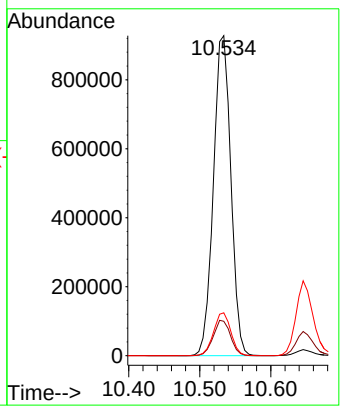


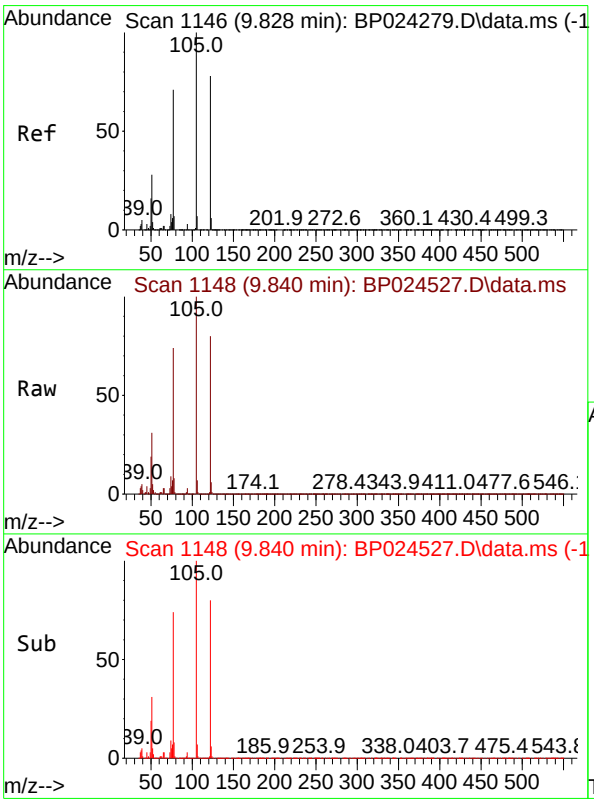
#31
Naphthalene
Concen: 43.275 ng
RT: 10.534 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:128 Resp: 1579601

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	13.0
127	13.4	10.3	15.5

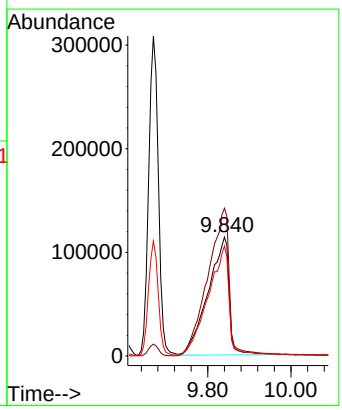


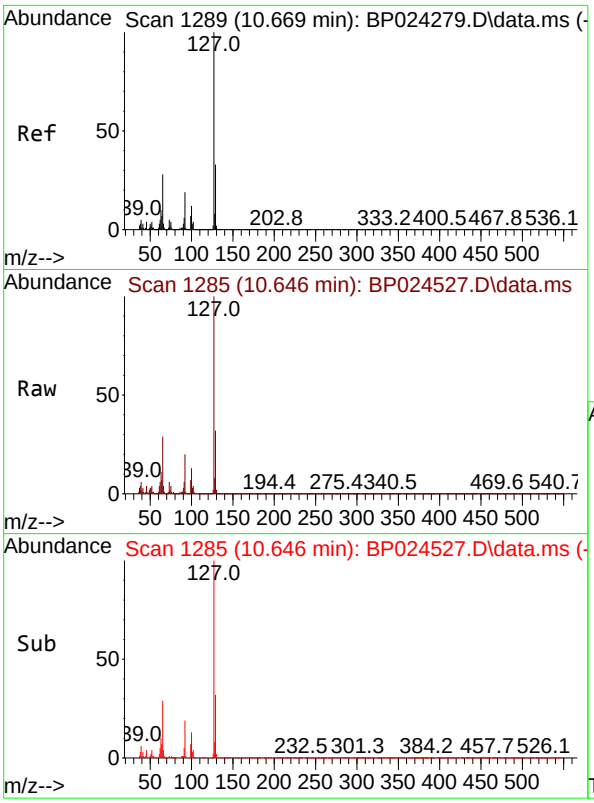


#32
Benzoic acid
Concen: 46.494 ng
RT: 9.840 min Scan# 1148
Delta R.T. 0.018 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion:122 Resp: 400197

Ion	Ratio	Lower	Upper
122	100		
105	124.4	104.8	144.8
77	92.6	69.2	109.2



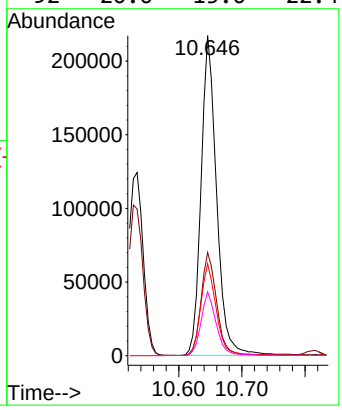


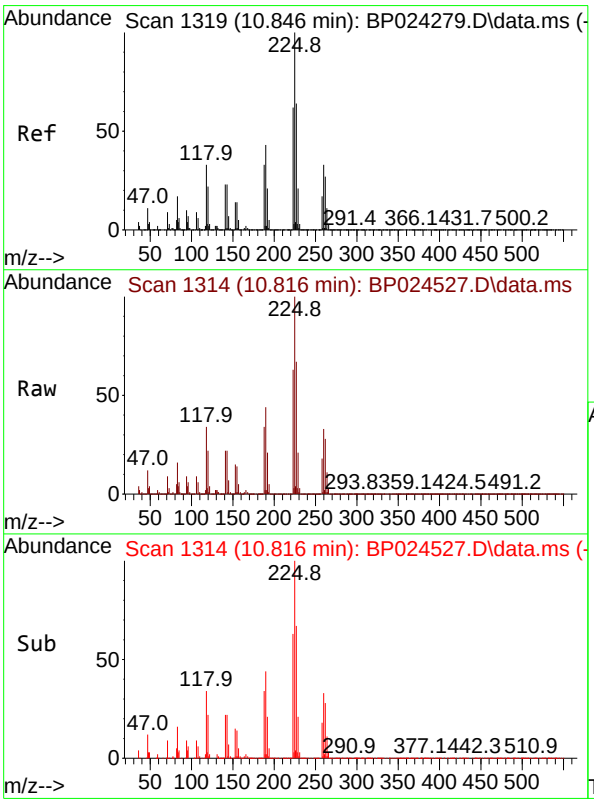
#33
4-Chloroaniline
Concen: 28.820 ng
RT: 10.646 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:127 Resp: 370457

Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.1	39.1
65	28.8	22.1	33.1
92	20.0	15.0	22.4

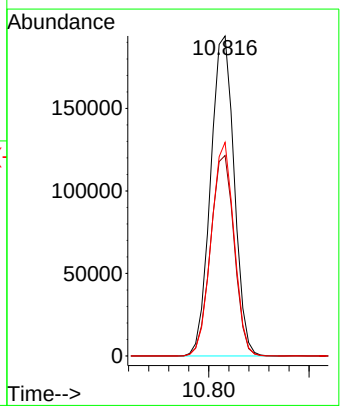


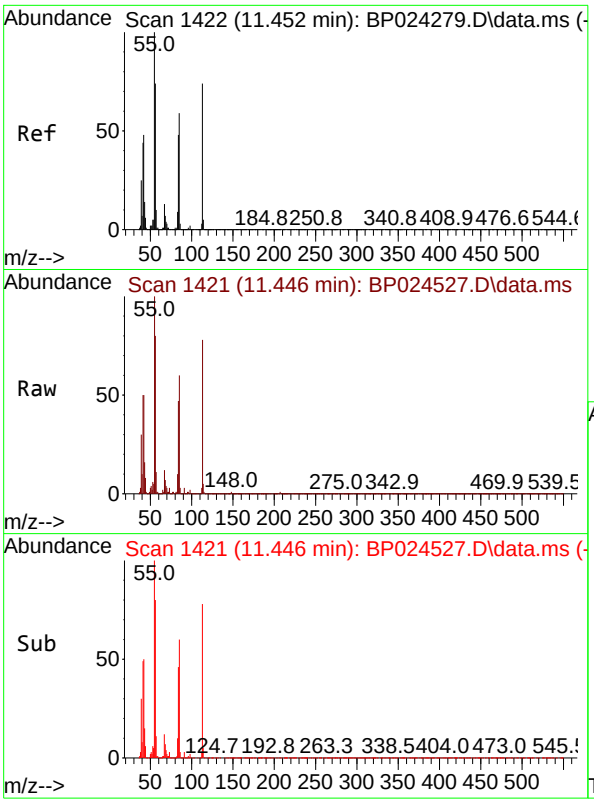


#34
Hexachlorobutadiene
Concen: 49.965 ng
RT: 10.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion:225 Resp: 316845

Ion	Ratio	Lower	Upper
225	100		
223	62.6	49.5	74.3
227	66.8	50.9	76.3



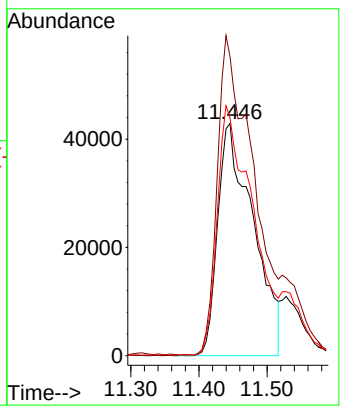


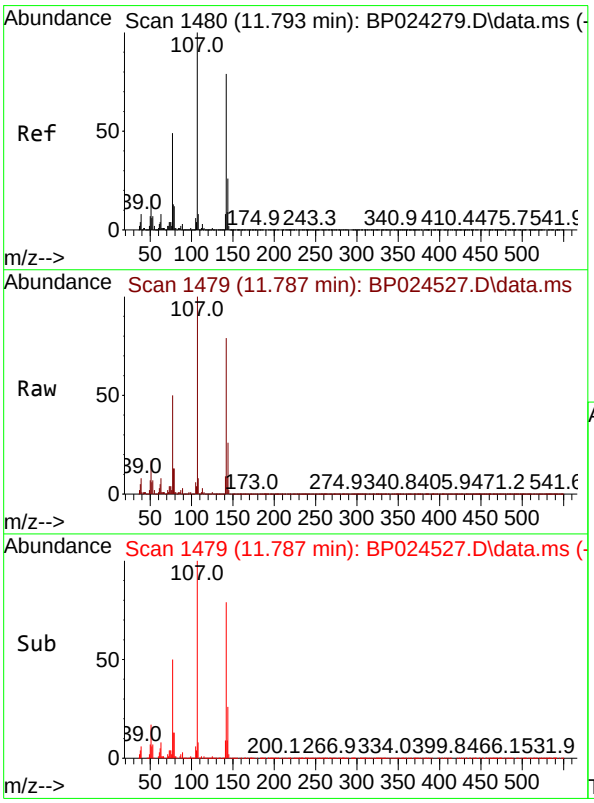
#35
Caprolactam
Concen: 41.670 ng
RT: 11.446 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:113 Resp: 154861

Ion	Ratio	Lower	Upper
113	100		
55	128.7	115.9	155.9
56	102.3	81.1	121.1

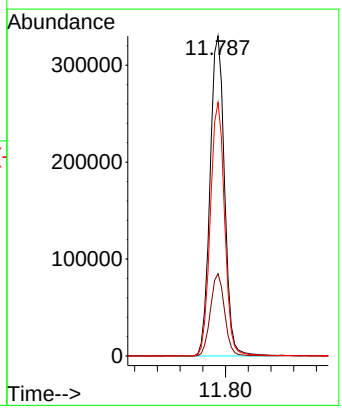


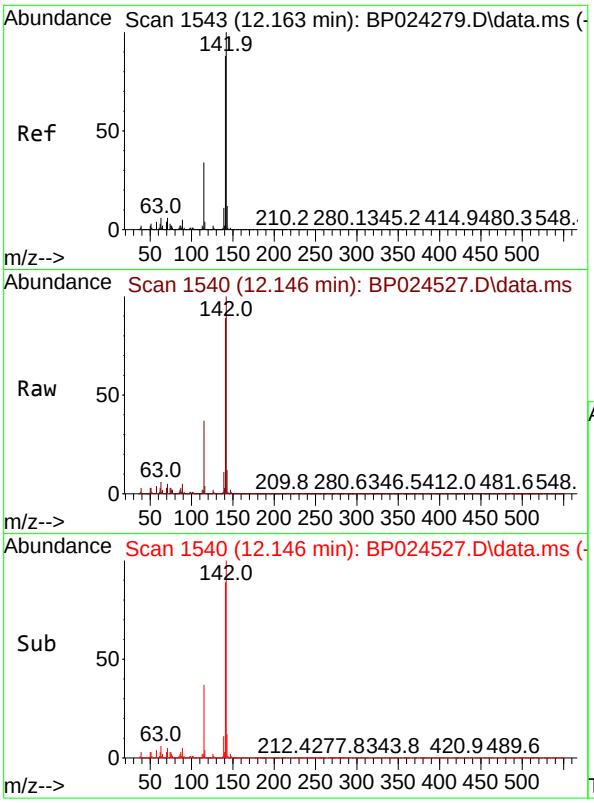


#36
4-Chloro-3-methylphenol
Concen: 49.501 ng
RT: 11.787 min Scan# 1479
Delta R.T. -0.006 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion:107 Resp: 580722

Ion	Ratio	Lower	Upper
107	100		
144	25.7	20.5	30.7
142	79.2	63.4	95.2



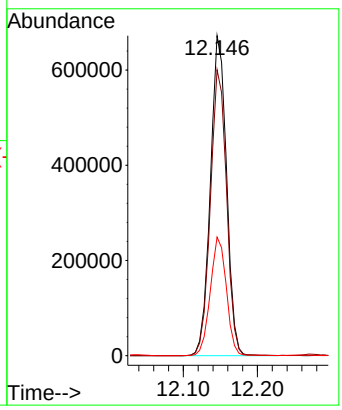


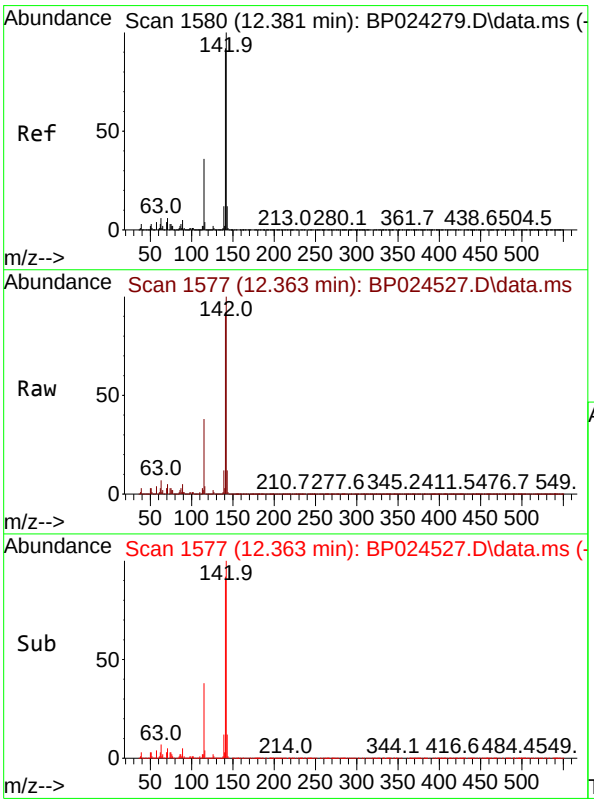
#37
2-Methylnaphthalene
Concen: 40.159 ng
RT: 12.146 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:142 Resp: 1016584

Ion	Ratio	Lower	Upper
142	100		
141	89.4	70.3	105.5
115	37.1	26.9	40.3

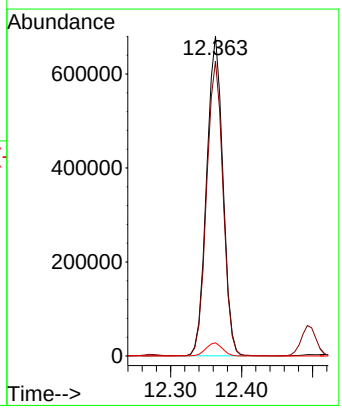


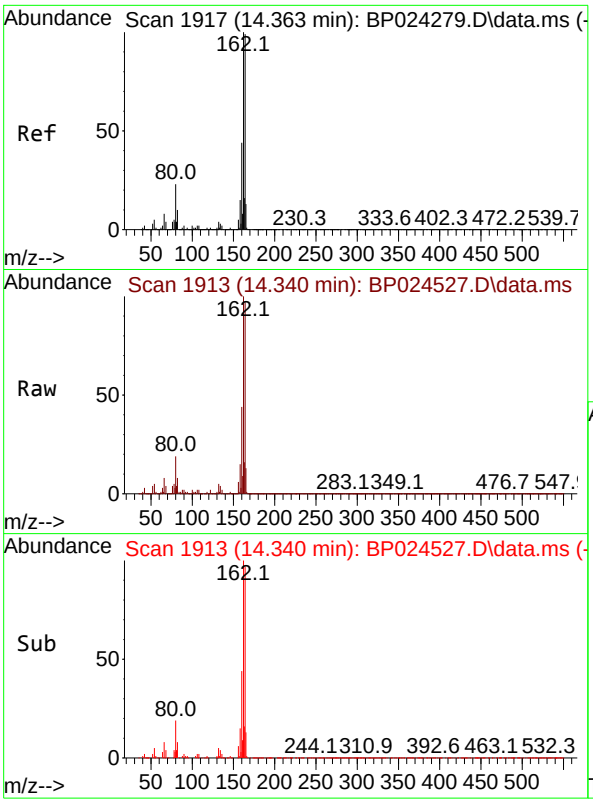


#38
1-Methylnaphthalene
Concen: 43.758 ng
RT: 12.363 min Scan# 1577
Delta R.T. -0.012 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion:142 Resp: 1083639

Ion	Ratio	Lower	Upper
142	100		
141	92.2	73.6	110.4
116	4.1	3.0	4.6



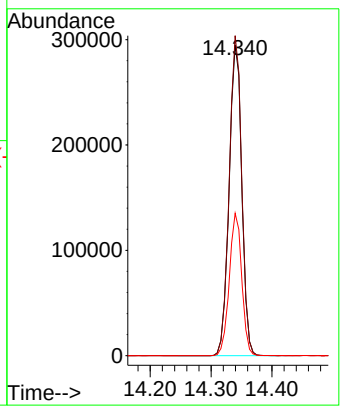


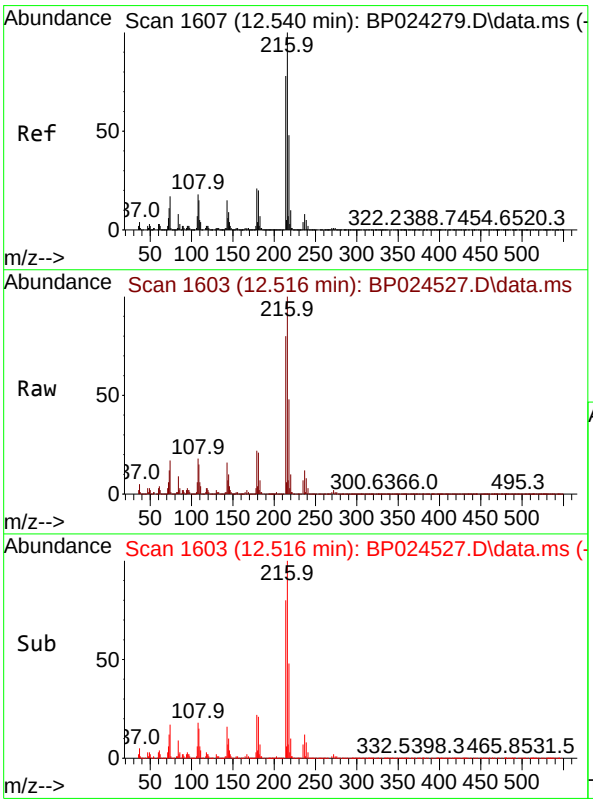
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.340 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:164 Resp: 426013

Ion	Ratio	Lower	Upper
164	100		
162	102.9	80.6	120.8
160	45.8	35.3	52.9

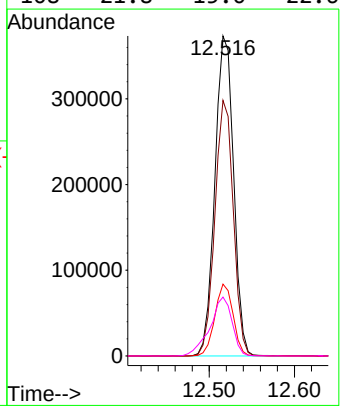


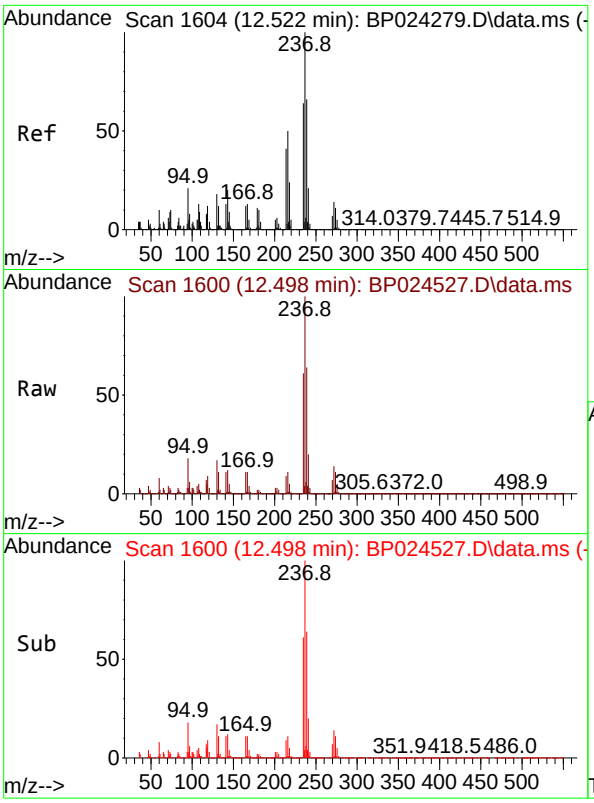


#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.603 ng
RT: 12.516 min Scan# 1603
Delta R.T. -0.012 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion:216 Resp: 569400

Ion	Ratio	Lower	Upper
216	100		
214	78.8	62.6	93.8
179	21.9	17.2	25.8
108	21.8	15.0	22.6



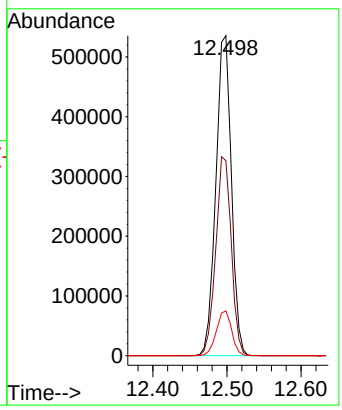


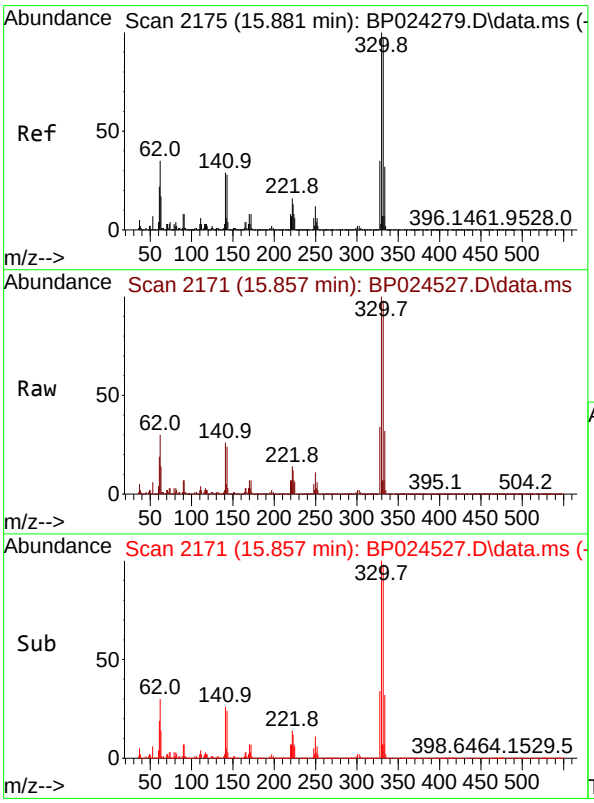
#41
Hexachlorocyclopentadiene
Concen: 188.118 ng
RT: 12.498 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:237 Resp: 779453

Ion	Ratio	Lower	Upper
237	100		
235	60.9	43.9	83.9
272	14.0	0.0	33.6

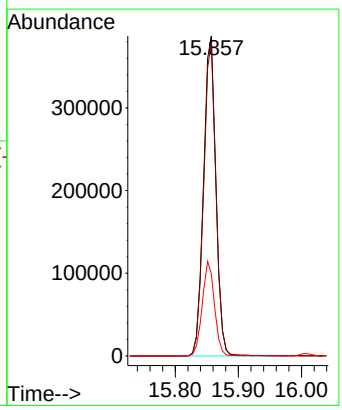


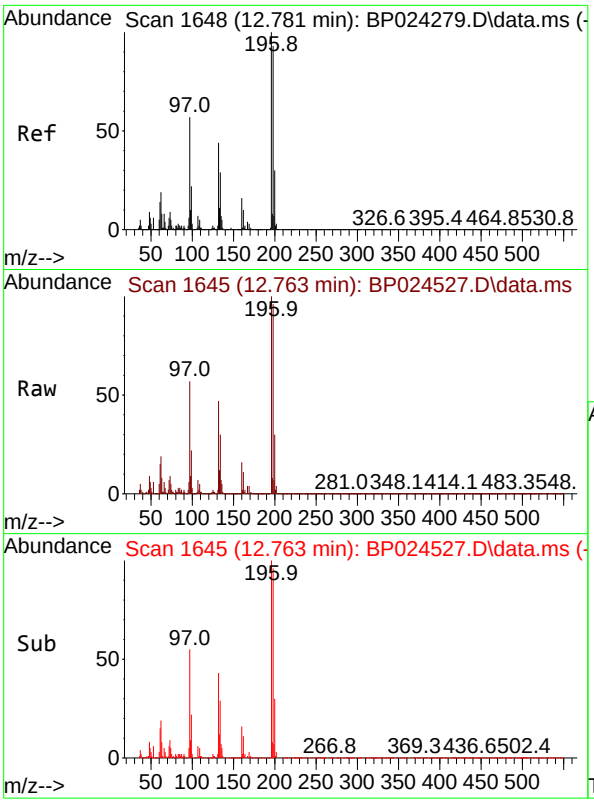


#42
2,4,6-Tribromophenol
Concen: 89.372 ng
RT: 15.857 min Scan# 2171
Delta R.T. -0.006 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion:330 Resp: 526767

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.1	115.7
141	29.2	24.7	37.1



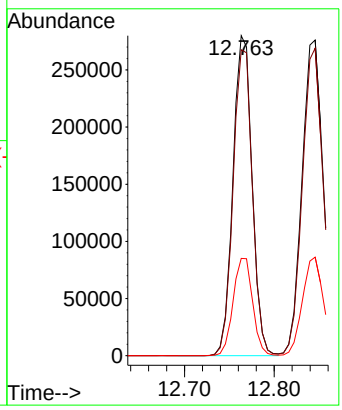


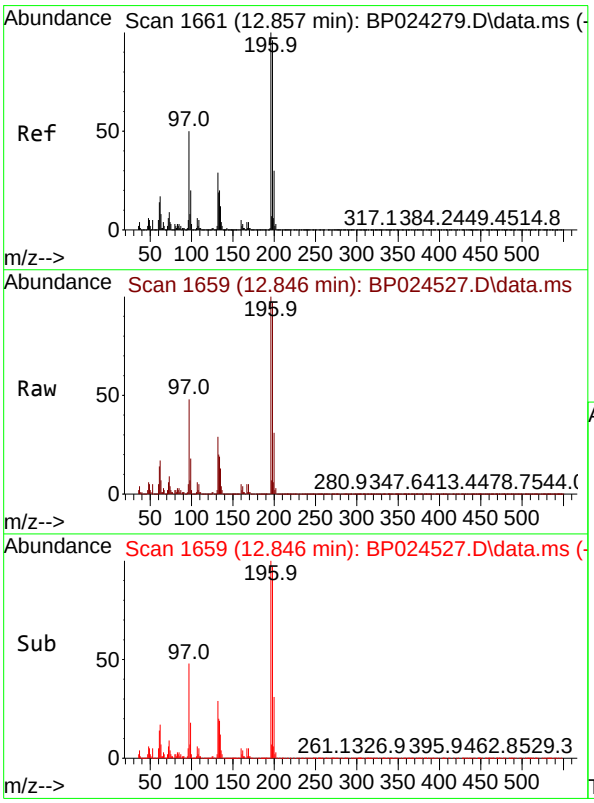
#43
2,4,6-Trichlorophenol
Concen: 53.228 ng
RT: 12.763 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:196 Resp: 414596

Ion	Ratio	Lower	Upper
196	100		
198	95.6	74.3	111.5
200	30.4	24.0	36.0

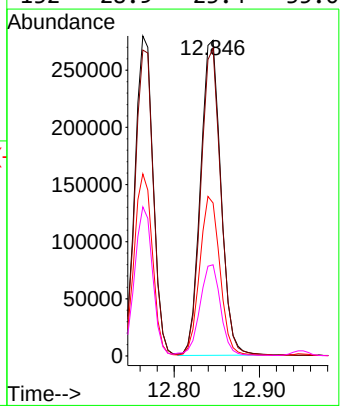


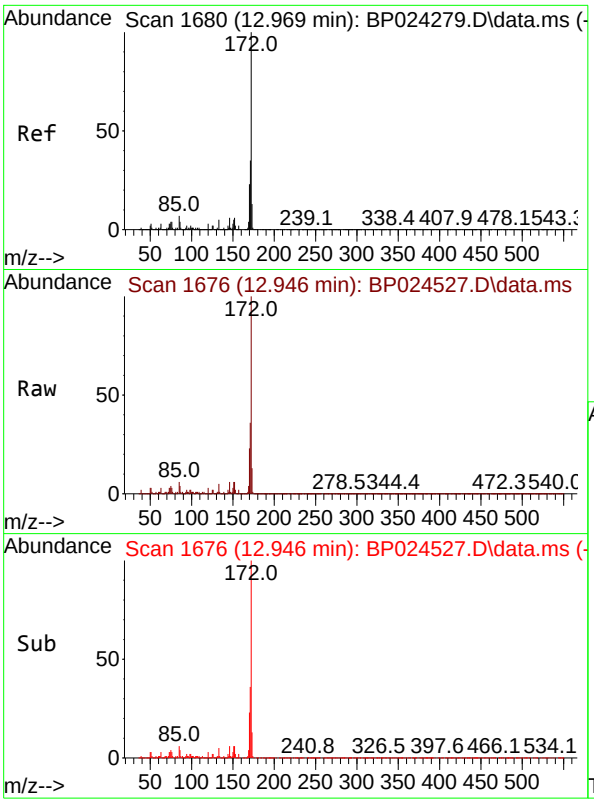


#44
2,4,5-Trichlorophenol
Concen: 53.004 ng
RT: 12.846 min Scan# 1659
Delta R.T. -0.012 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion:196 Resp: 457182

Ion	Ratio	Lower	Upper
196	100		
198	97.4	77.3	115.9
97	48.5	40.4	60.6
132	28.9	23.4	35.0



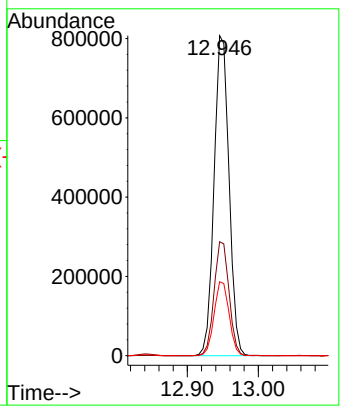


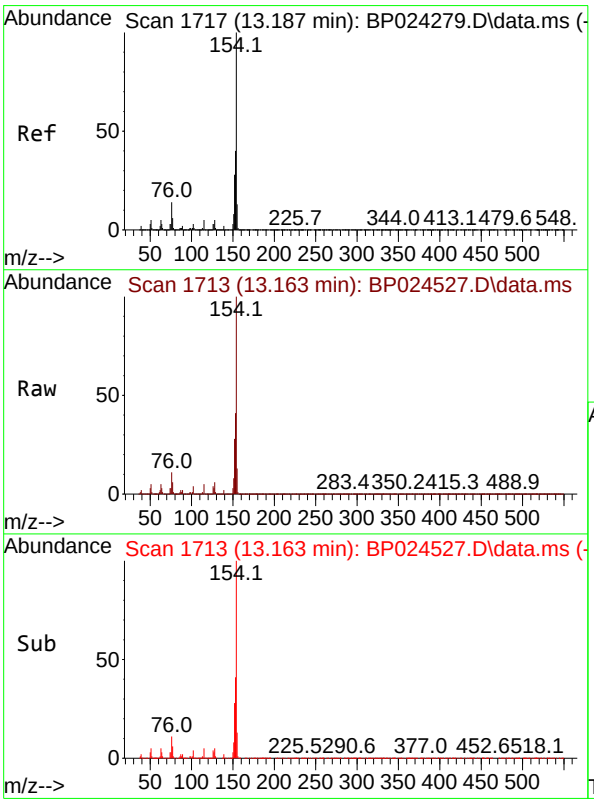
#45
2-Fluorobiphenyl
Concen: 42.225 ng
RT: 12.946 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:172 Resp: 1174863

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.2	42.2
170	23.1	18.6	27.8

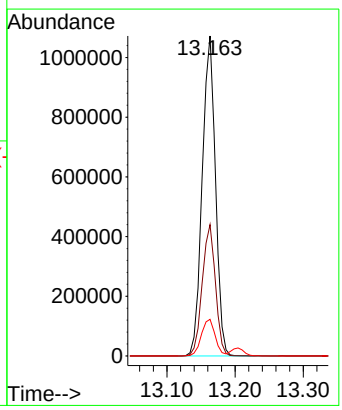


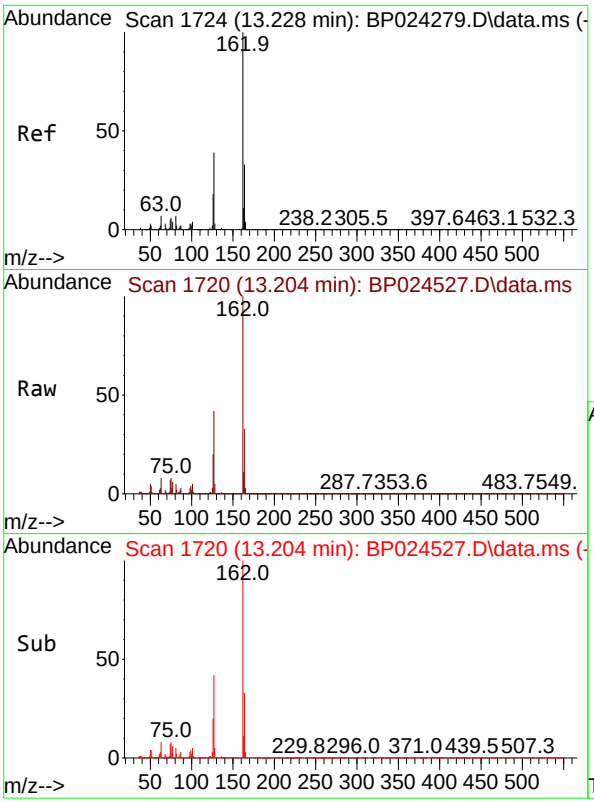


#46
1,1'-Biphenyl
Concen: 46.264 ng
RT: 13.163 min Scan# 1713
Delta R.T. -0.012 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion:154 Resp: 1448709

Ion	Ratio	Lower	Upper
154	100		
153	41.0	20.3	60.3
76	11.4	0.0	33.5



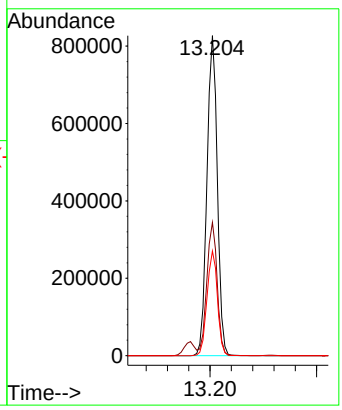


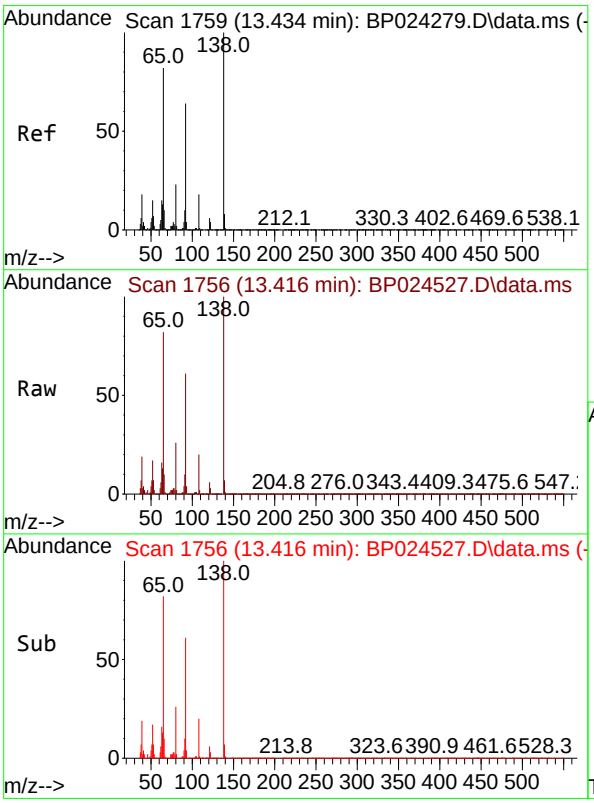
#47
2-Chloronaphthalene
Concen: 47.556 ng
RT: 13.204 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:162 Resp: 1112999

Ion	Ratio	Lower	Upper
162	100		
127	41.7	31.9	47.9
164	32.7	26.2	39.4

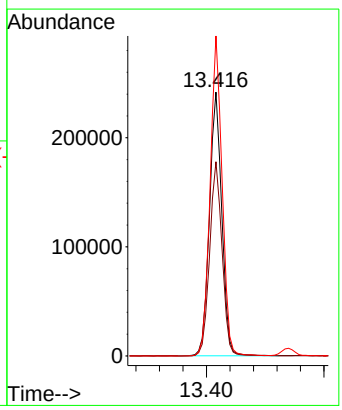


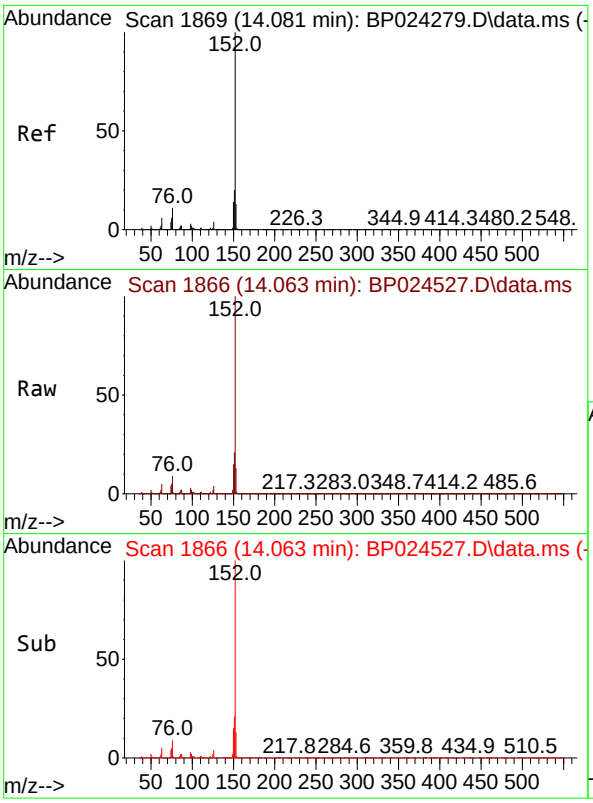


#48
2-Nitroaniline
Concen: 53.828 ng
RT: 13.416 min Scan# 1756
Delta R.T. -0.006 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion: 65 Resp: 353376

Ion	Ratio	Lower	Upper
65	100		
92	73.6	62.3	93.5
138	121.3	97.2	145.8



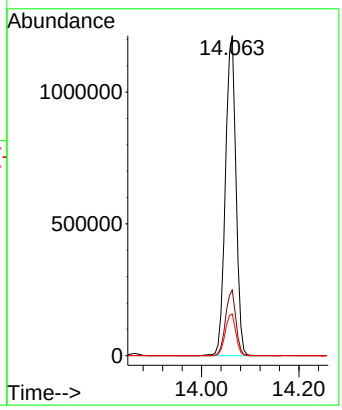


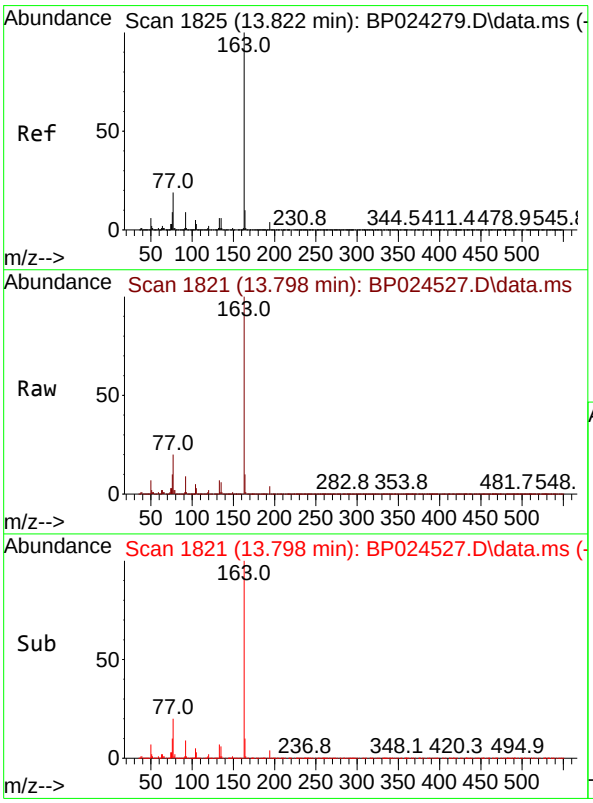
#49
Acenaphthylene
Concen: 49.765 ng
RT: 14.063 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:152 Resp: 1833713

Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.9	23.9
153	13.0	10.6	15.8

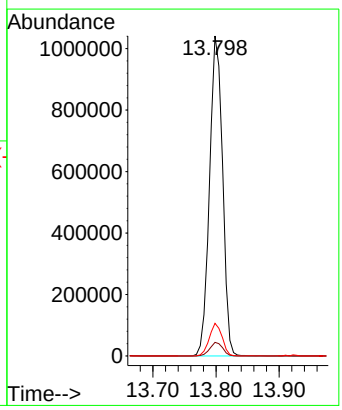


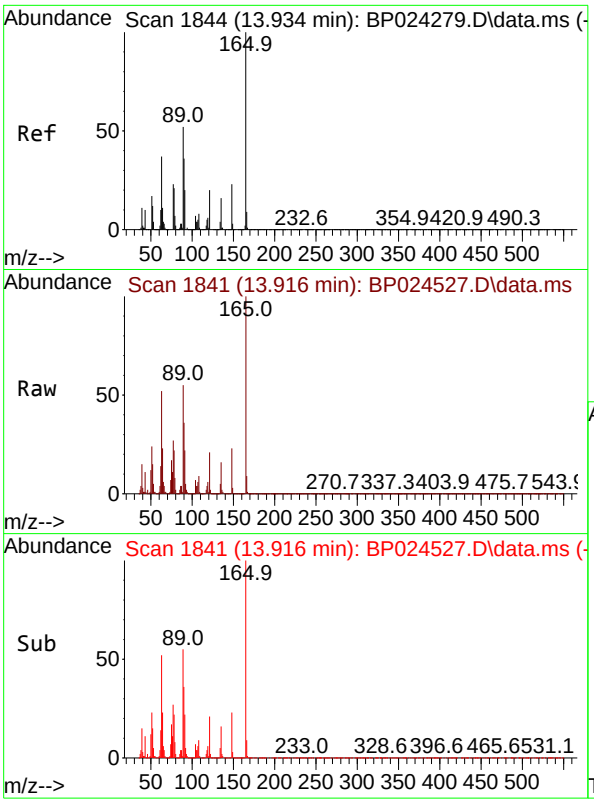


#50
Dimethylphthalate
Concen: 48.096 ng
RT: 13.798 min Scan# 1821
Delta R.T. -0.012 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion:163 Resp: 1490029

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.5	5.3
164	10.2	8.0	12.0



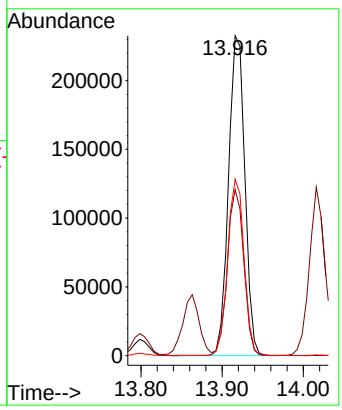


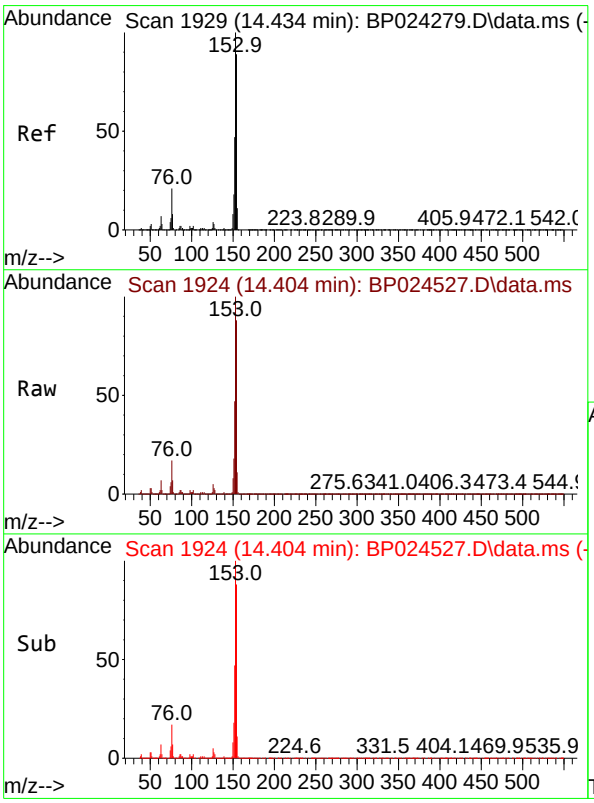
#51
2,6-Dinitrotoluene
Concen: 49.406 ng
RT: 13.916 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:165 Resp: 325026

Ion	Ratio	Lower	Upper
165	100		
63	51.9	38.0	57.0
89	55.1	41.7	62.5

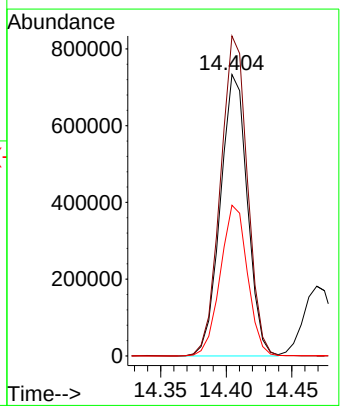


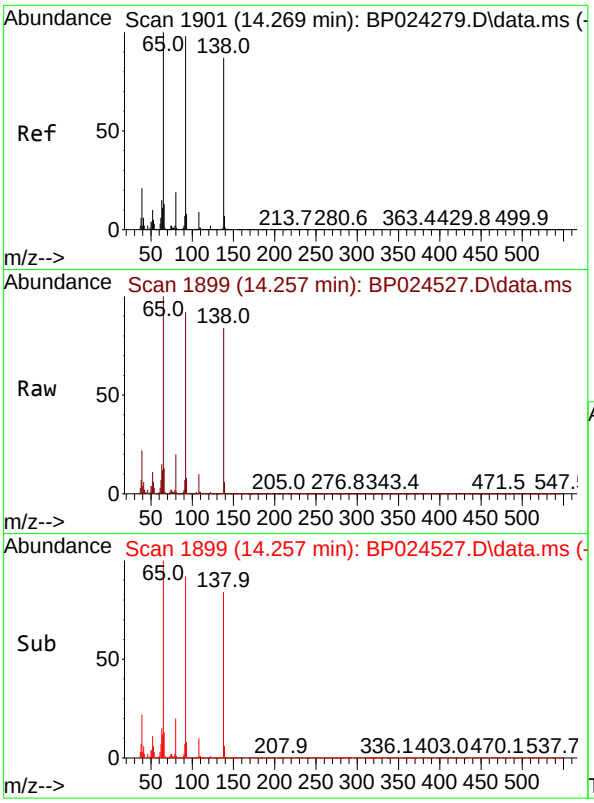


#52
Acenaphthene
Concen: 44.869 ng
RT: 14.404 min Scan# 1924
Delta R.T. -0.018 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion:154 Resp: 1048157

Ion	Ratio	Lower	Upper
154	100		
153	113.7	89.8	134.6
152	53.6	42.6	63.8



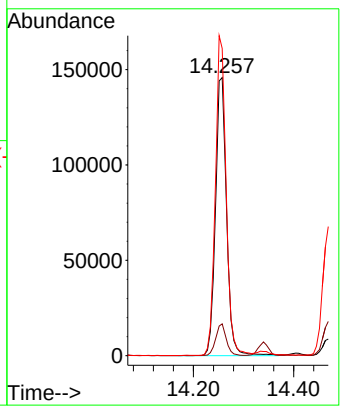


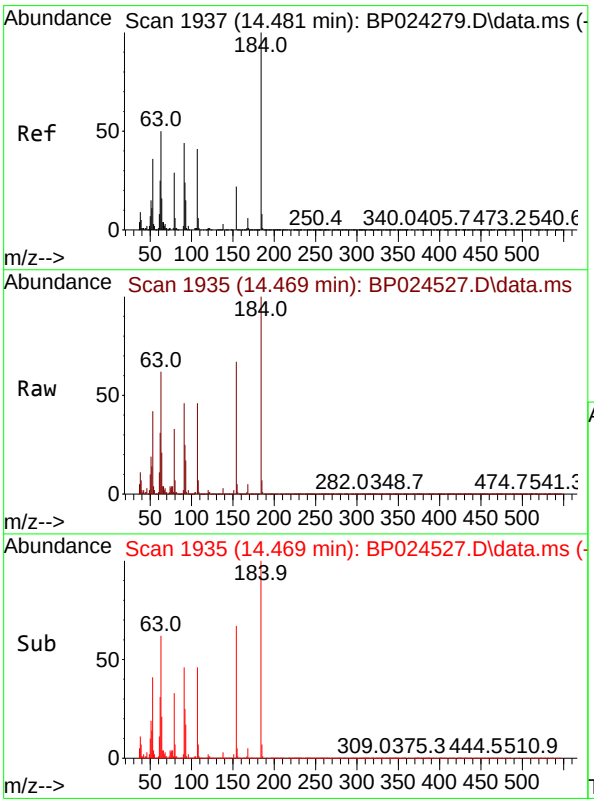
#53
3-Nitroaniline
Concen: 32.273 ng
RT: 14.257 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:138 Resp: 223144

Ion	Ratio	Lower	Upper
138	100		
108	11.5	8.3	12.5
92	110.5	89.8	134.8

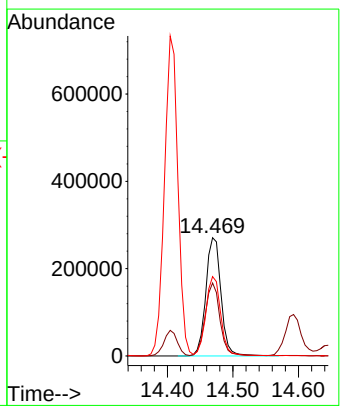


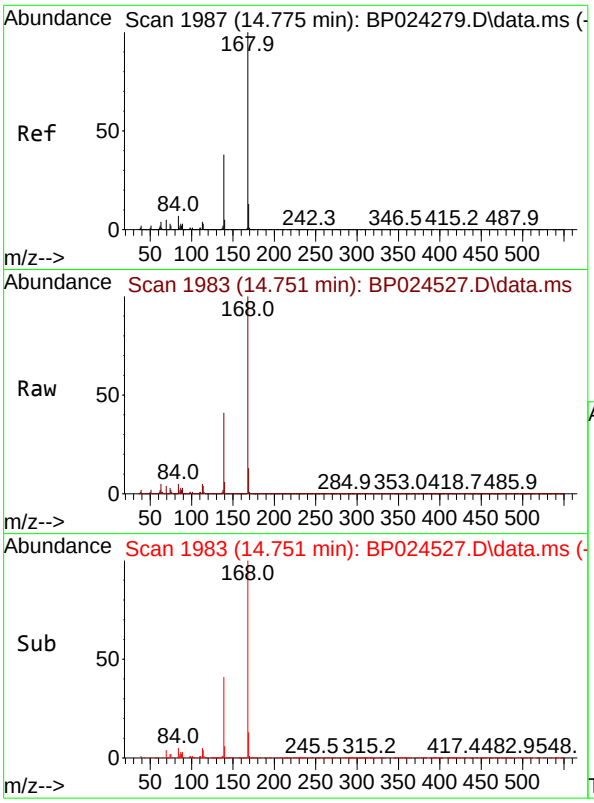


#54
2,4-Dinitrophenol
Concen: 112.914 ng
RT: 14.469 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion:184 Resp: 437557

Ion	Ratio	Lower	Upper
184	100		
63	61.7	42.6	64.0
154	67.2	47.2	70.8



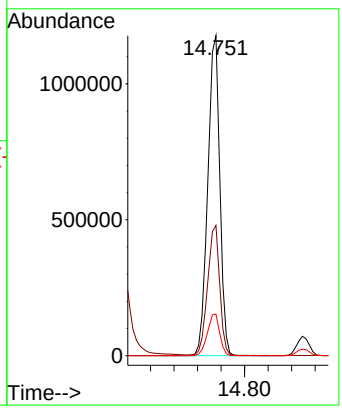


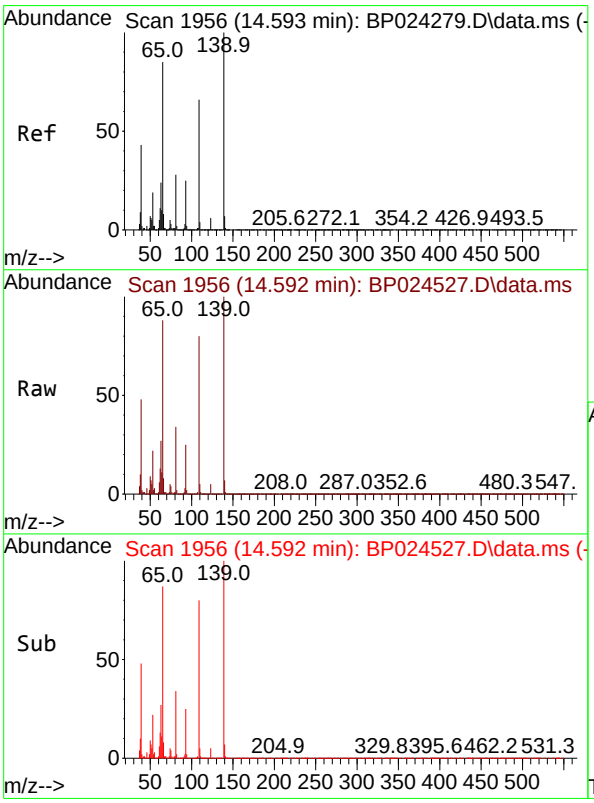
#55
Dibenzofuran
Concen: 43.650 ng
RT: 14.751 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:168 Resp: 1666737

Ion	Ratio	Lower	Upper
168	100		
139	40.7	30.3	45.5
169	13.0	10.6	16.0

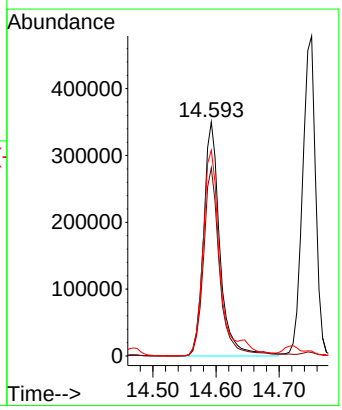


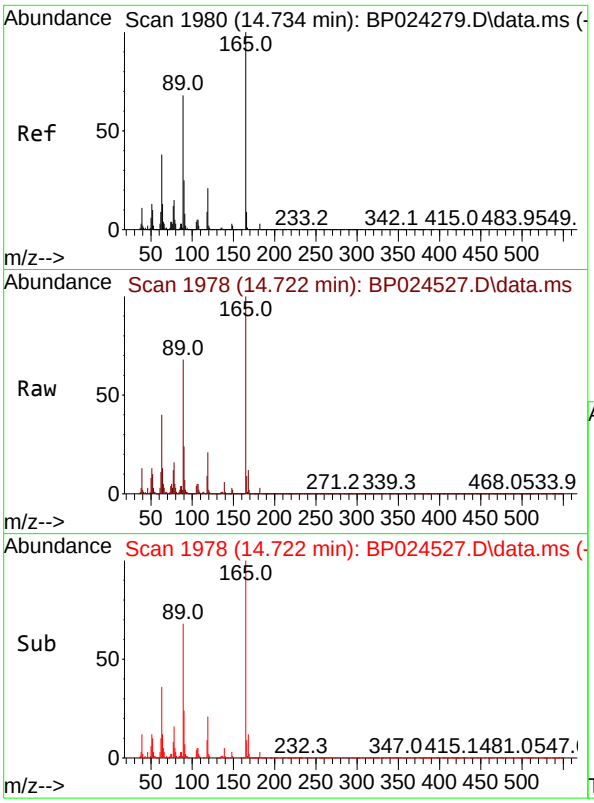


#56
4-Nitrophenol
Concen: 104.609 ng
RT: 14.592 min Scan# 1956
Delta R.T. 0.000 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion:139 Resp: 624675

Ion	Ratio	Lower	Upper
139	100		
109	80.5	46.1	86.1
65	88.0	65.0	105.0



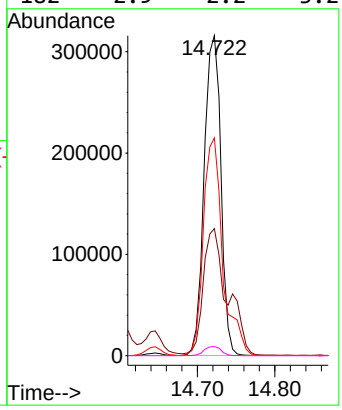


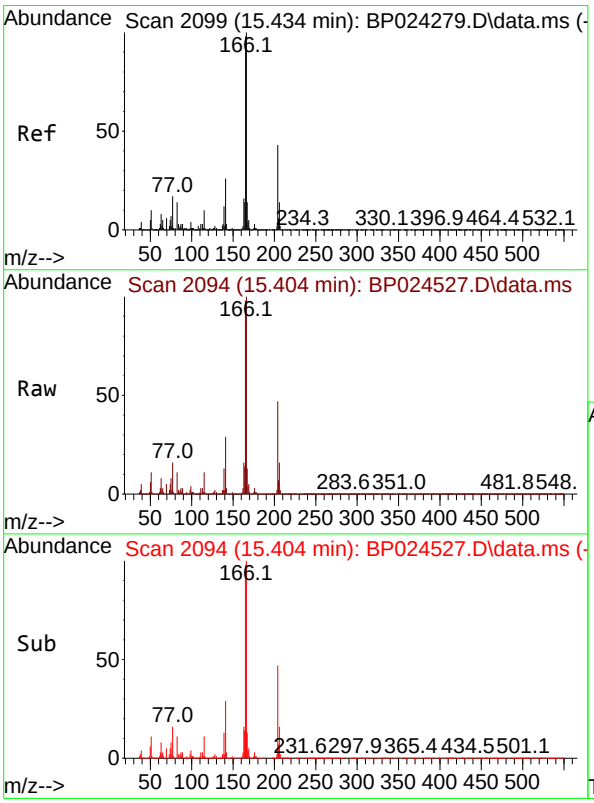
#57
2,4-Dinitrotoluene
Concen: 52.671 ng
RT: 14.722 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:165 Resp: 472668

Ion	Ratio	Lower	Upper
165	100		
63	39.7	30.4	45.6
89	68.1	54.6	82.0
182	2.9	2.2	3.2

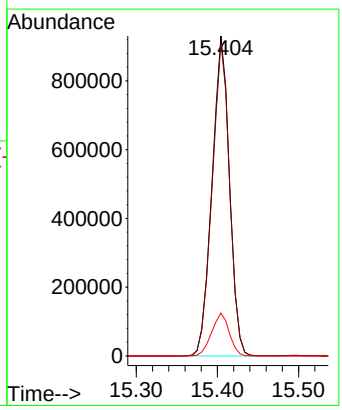


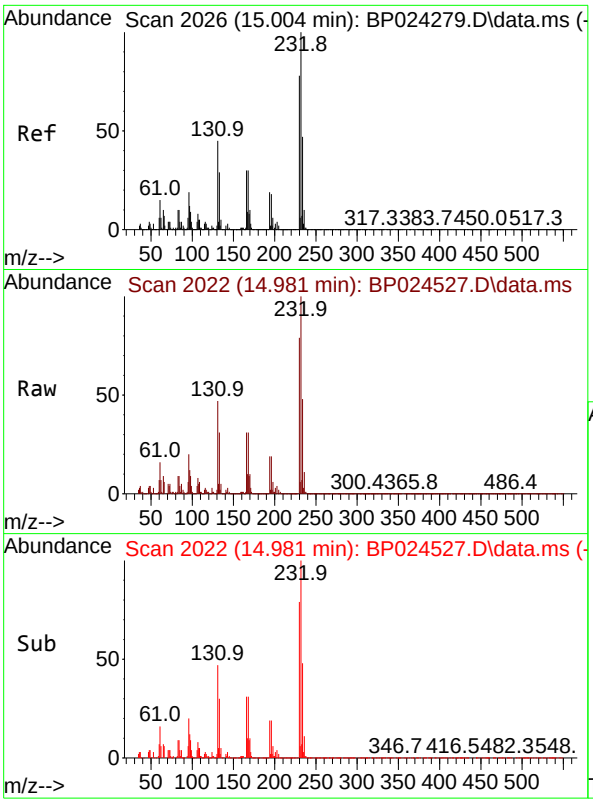


#58
Fluorene
Concen: 47.033 ng
RT: 15.404 min Scan# 2094
Delta R.T. -0.012 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion:166 Resp: 1390272

Ion	Ratio	Lower	Upper
166	100		
165	97.9	78.1	117.1
167	13.4	10.9	16.3



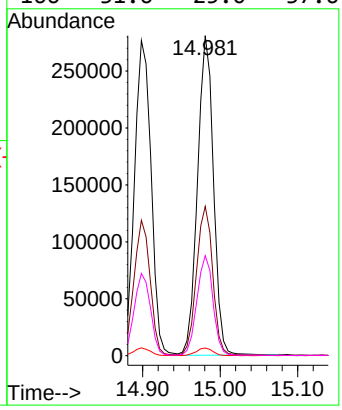


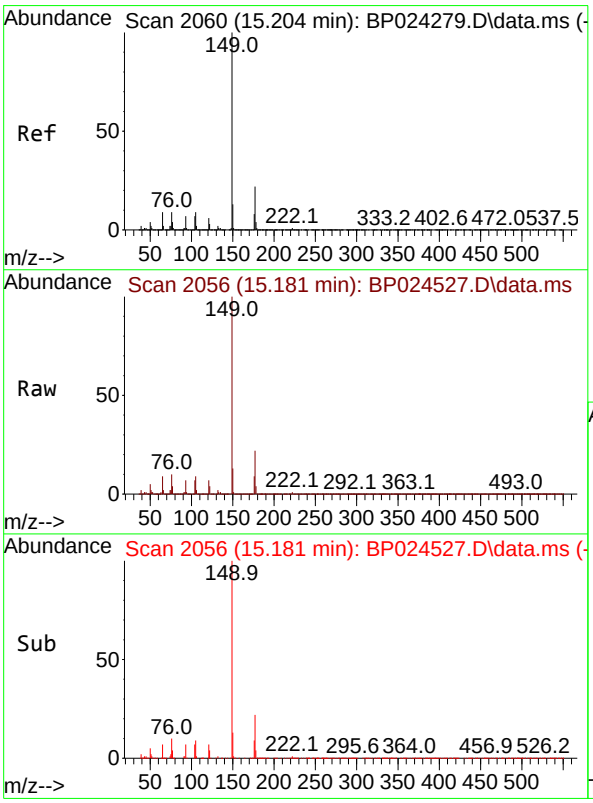
#59
2,3,4,6-Tetrachlorophenol
Concen: 50.495 ng
RT: 14.981 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:232 Resp: 401699

Ion	Ratio	Lower	Upper
232	100		
131	47.7	36.8	55.2
130	2.5	1.9	2.9
166	31.6	25.0	37.6

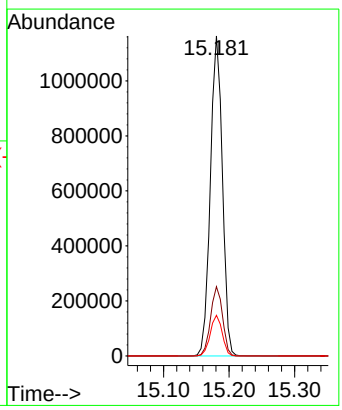


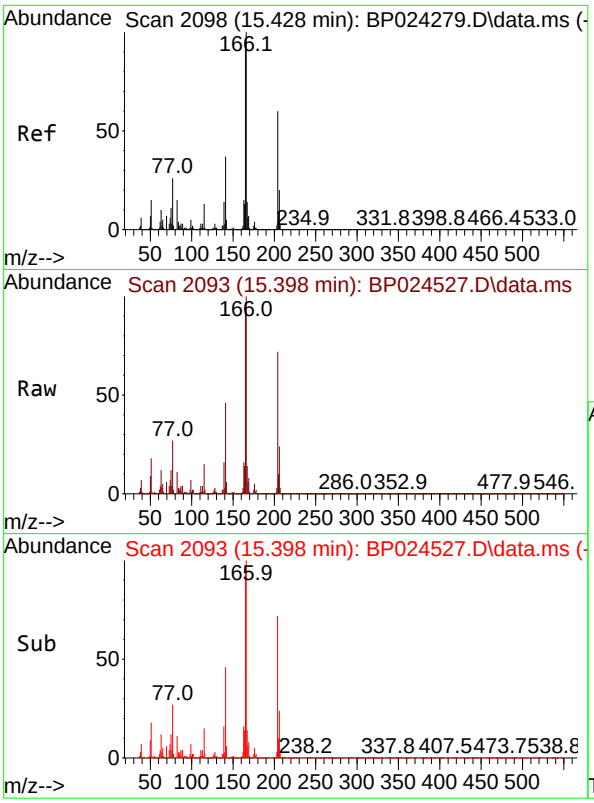


#60
Diethylphthalate
Concen: 46.427 ng
RT: 15.181 min Scan# 2056
Delta R.T. -0.012 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion:149 Resp: 1482225

Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.4	26.2
150	12.7	10.1	15.1



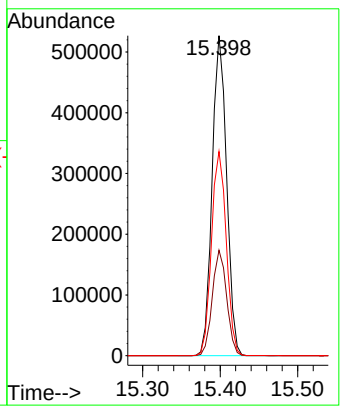


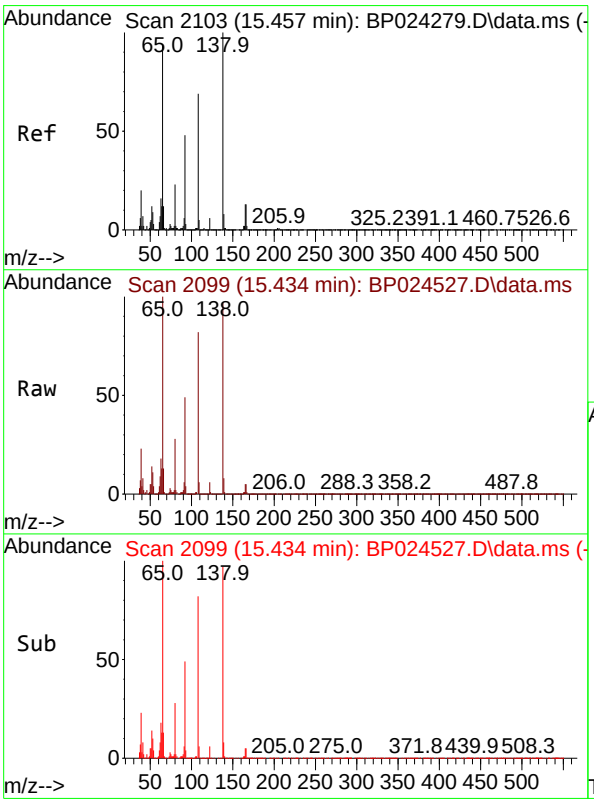
#61
4-Chlorophenyl-phenylether
Concen: 47.449 ng
RT: 15.398 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:204 Resp: 681083

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.5	39.7
141	63.8	49.4	74.0

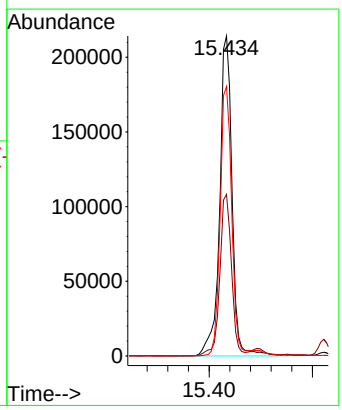


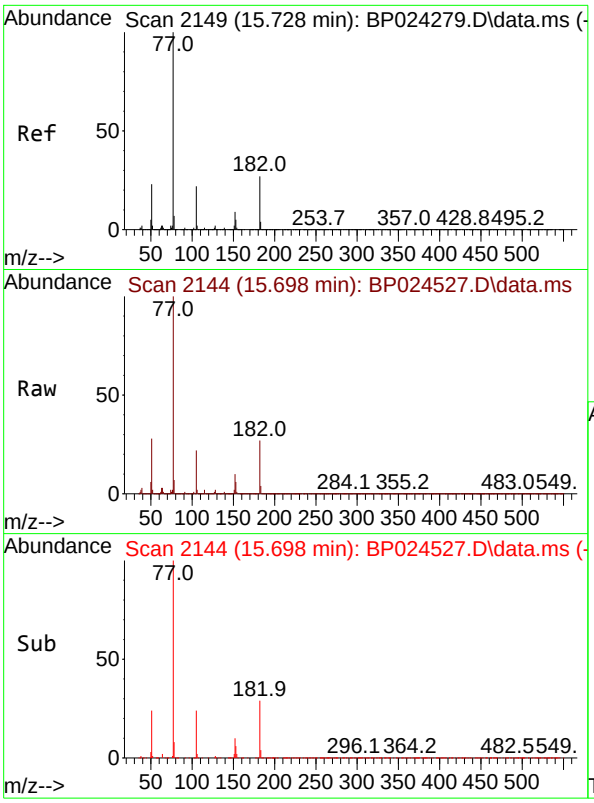


#62
4-Nitroaniline
Concen: 48.732 ng
RT: 15.434 min Scan# 2099
Delta R.T. -0.006 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion:138 Resp: 356697

Ion	Ratio	Lower	Upper
138	100		
92	50.5	27.8	67.8
108	84.2	48.9	88.9



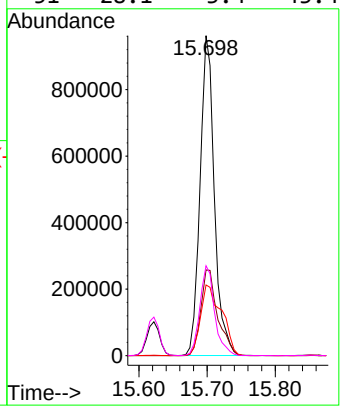


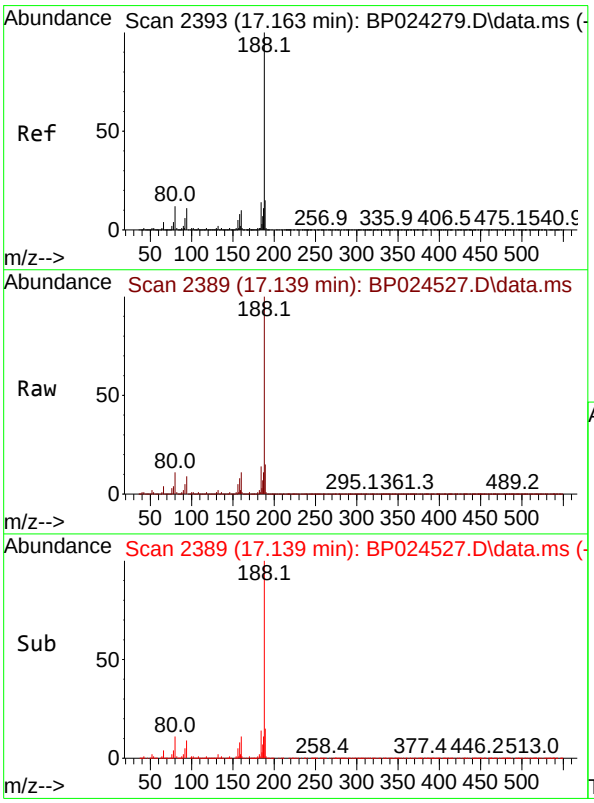
#63
Azobenzene
Concen: 47.750 ng
RT: 15.698 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion: 77 Resp: 1401152

Ion	Ratio	Lower	Upper
77	100		
182	26.8	7.3	47.3
105	22.1	2.3	42.3
51	28.1	3.4	43.4

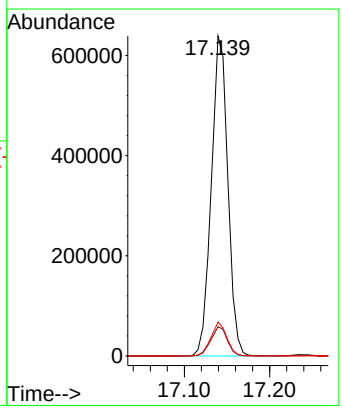


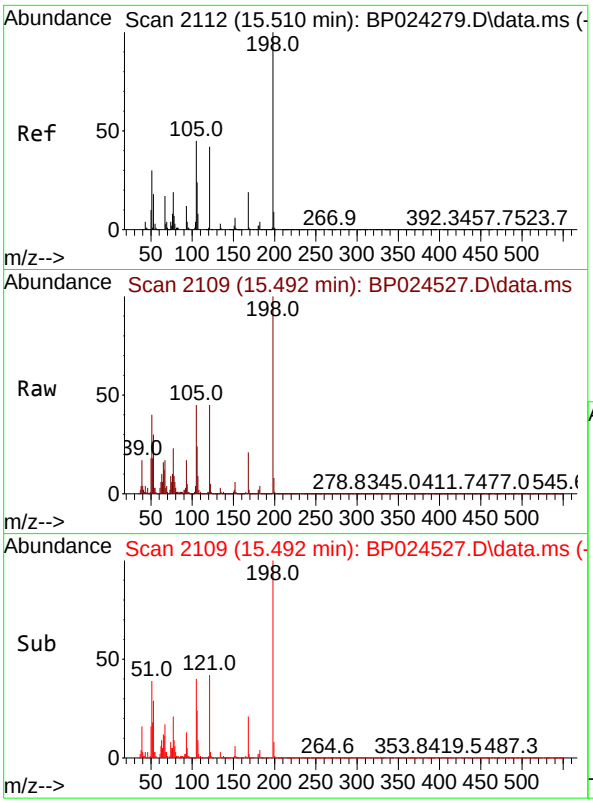


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.139 min Scan# 2389
Delta R.T. -0.006 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion:188 Resp: 859507

Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.6	13.0
80	10.6	9.8	14.6



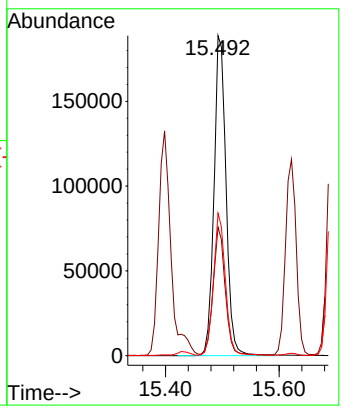


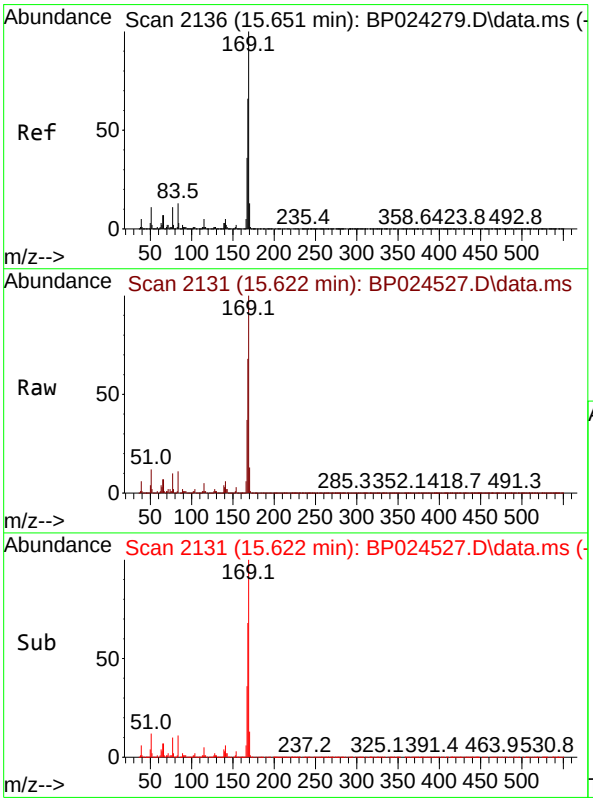
#65
4,6-Dinitro-2-methylphenol
Concen: 51.038 ng
RT: 15.492 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:198 Resp: 276566

Ion	Ratio	Lower	Upper
198	100		
51	40.1	18.4	58.4
105	44.5	26.5	66.5

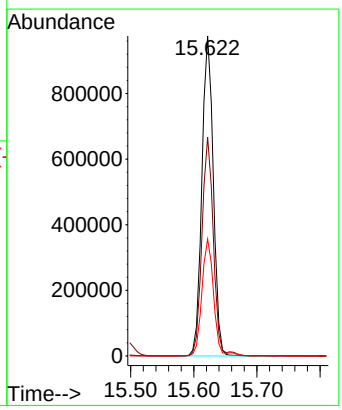


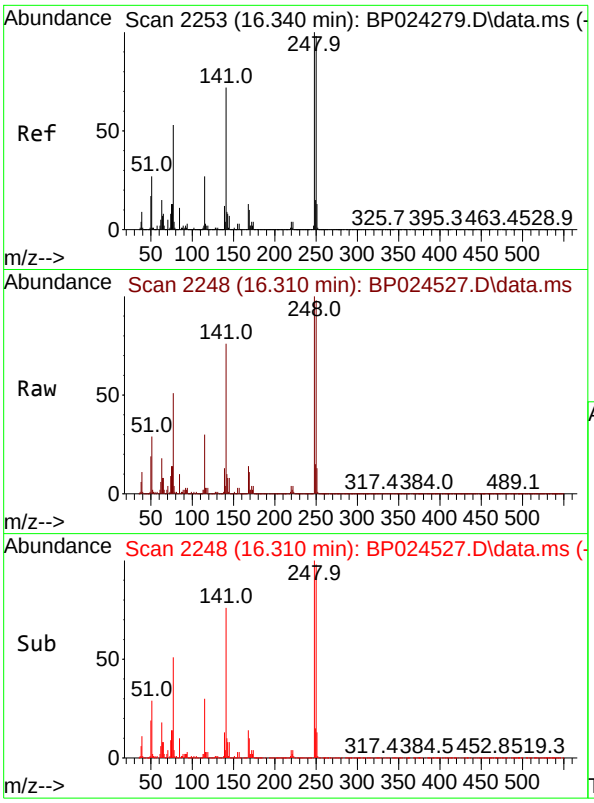


#66
n-Nitrosodiphenylamine
Concen: 47.554 ng
RT: 15.622 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion:169 Resp: 1219975

Ion	Ratio	Lower	Upper
169	100		
168	68.4	53.0	79.4
167	36.5	28.9	43.3



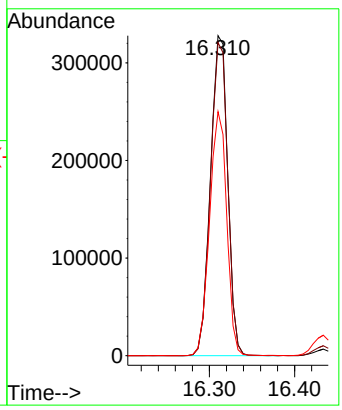


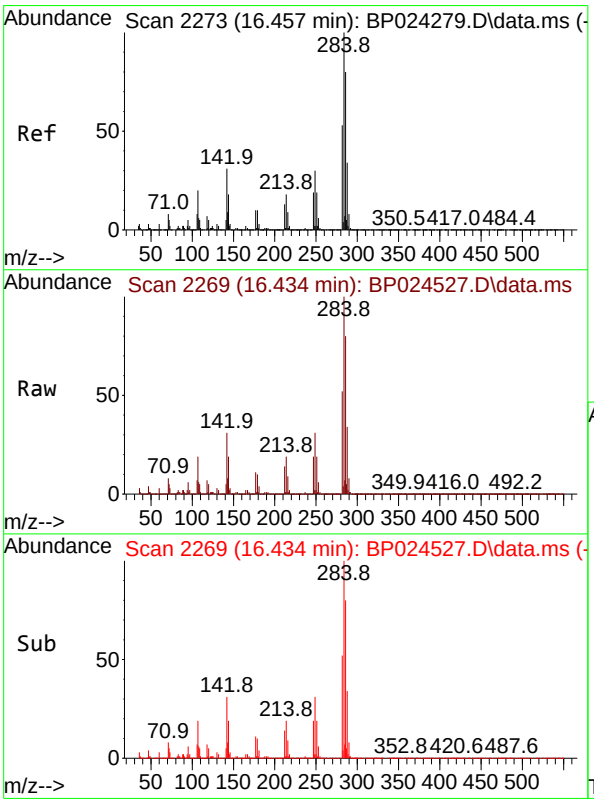
#67
4-Bromophenyl-phenylether
Concen: 49.056 ng
RT: 16.310 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:248 Resp: 461135

Ion	Ratio	Lower	Upper
248	100		
250	97.8	78.2	117.4
141	76.3	57.7	86.5

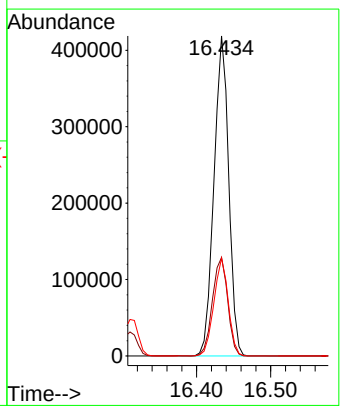


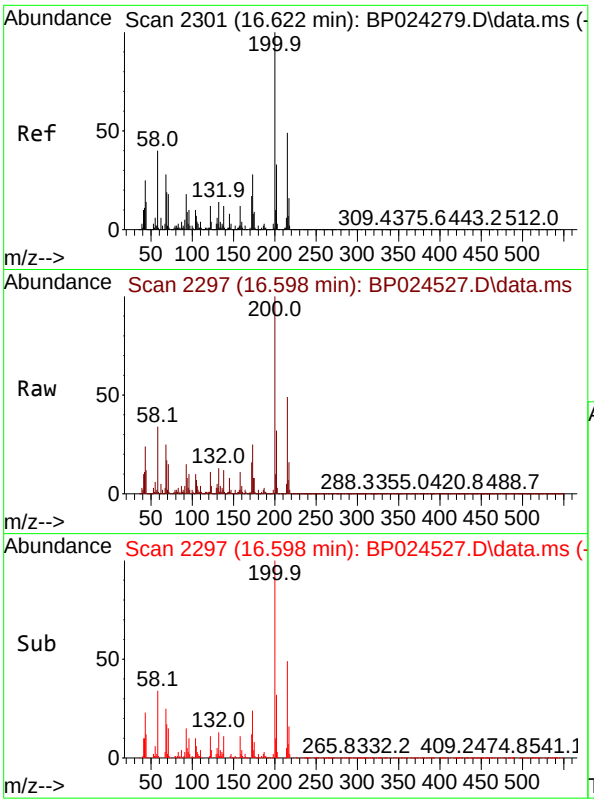


#68
Hexachlorobenzene
Concen: 51.761 ng
RT: 16.434 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion:284 Resp: 578175

Ion	Ratio	Lower	Upper
284	100		
142	30.8	24.6	37.0
249	30.6	23.8	35.6



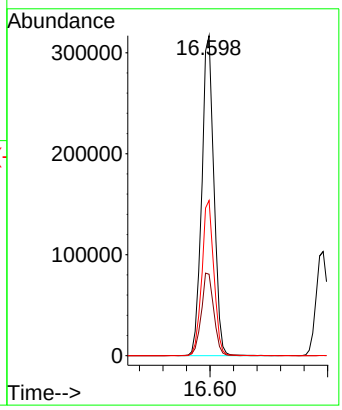


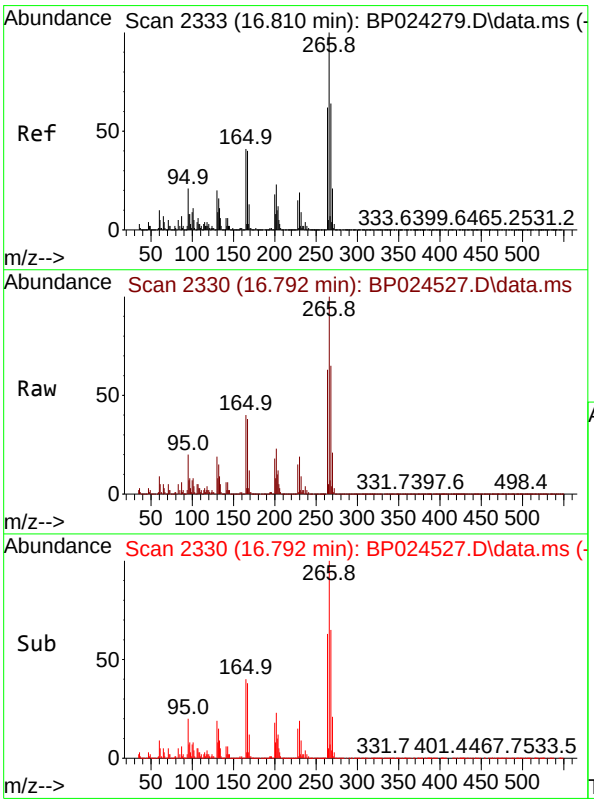
#69
Atrazine
Concen: 69.369 ng
RT: 16.598 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:200 Resp: 453253

Ion	Ratio	Lower	Upper
200	100		
173	25.4	7.5	47.5
215	48.5	28.8	68.8

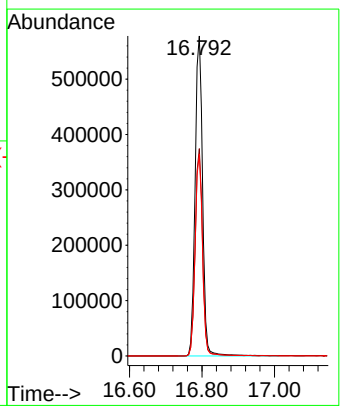


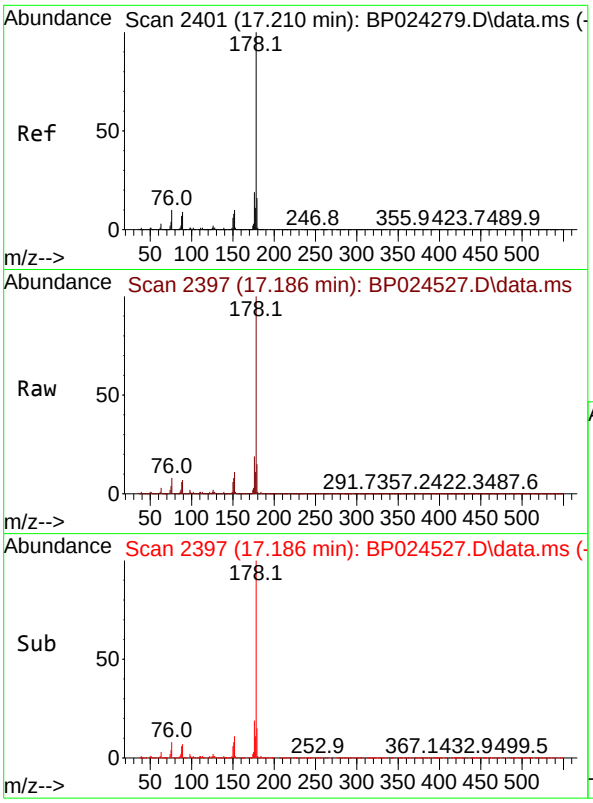


#70
Pentachlorophenol
Concen: 105.879 ng
RT: 16.792 min Scan# 2330
Delta R.T. -0.006 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion:266 Resp: 825072

Ion	Ratio	Lower	Upper
266	100		
268	64.8	51.0	76.6
264	63.2	49.8	74.6



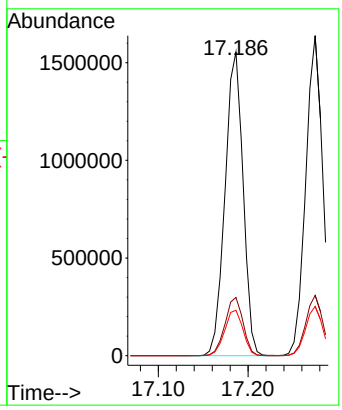


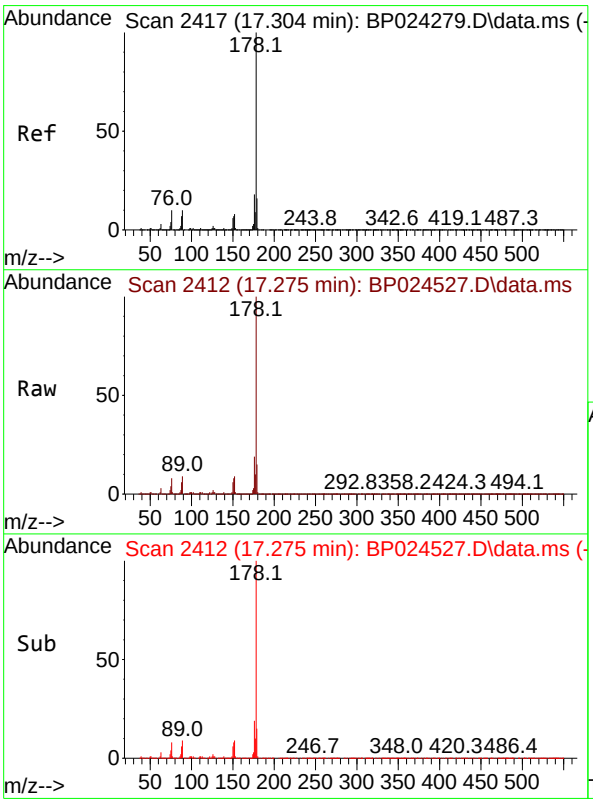
#71
Phenanthrene
Concen: 46.287 ng
RT: 17.186 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:178 Resp: 2170334

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.0	12.5	18.7

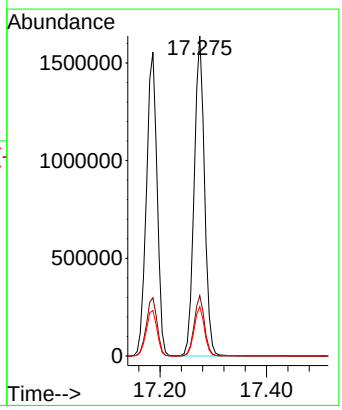


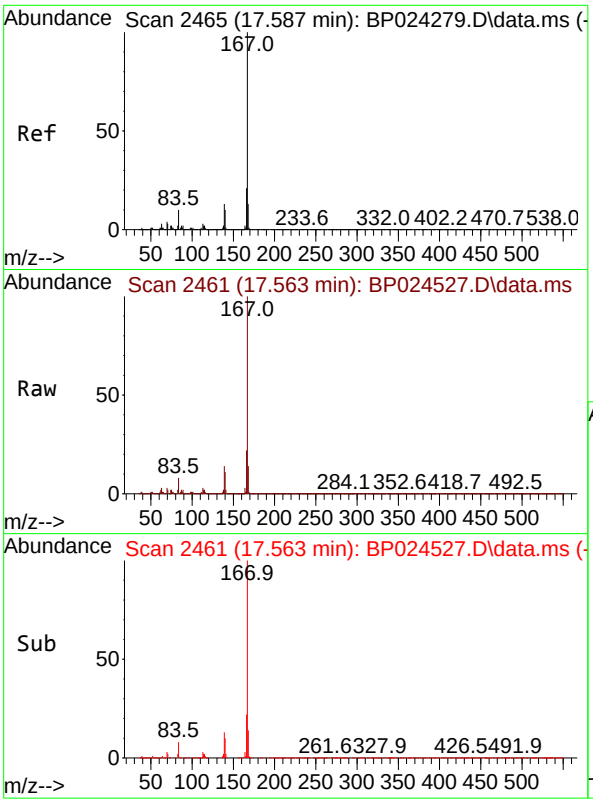


#72
Anthracene
Concen: 48.730 ng
RT: 17.275 min Scan# 2412
Delta R.T. -0.012 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion:178 Resp: 2202133

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.7	22.1
179	15.4	12.4	18.6



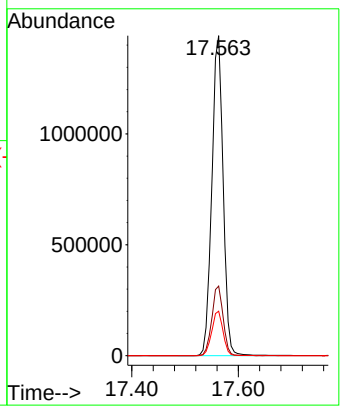


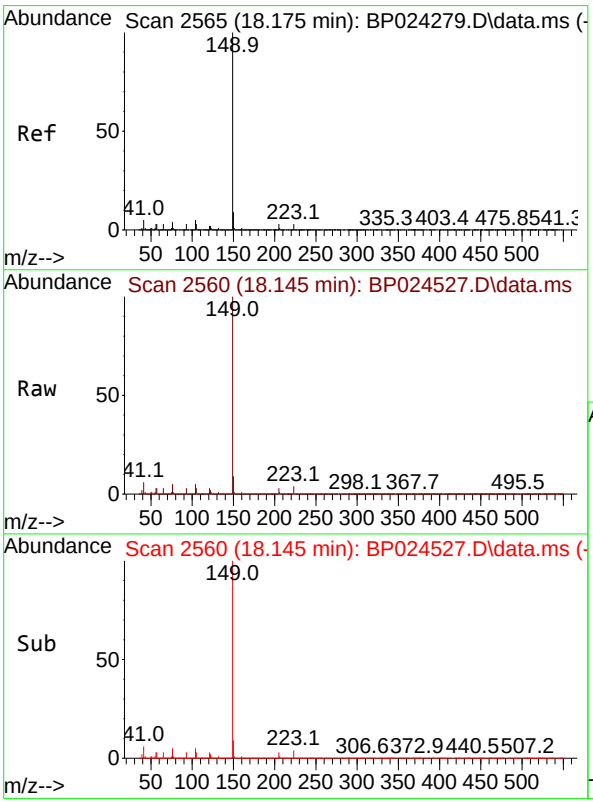
#73
Carbazole
Concen: 47.965 ng
RT: 17.563 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:167 Resp: 2117914

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.1	25.7
139	13.9	10.6	16.0

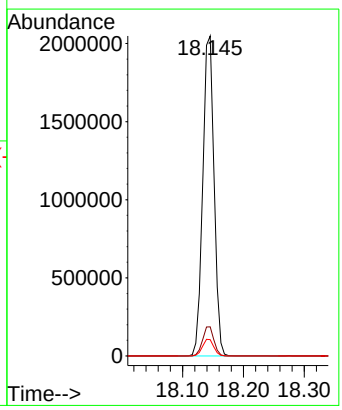


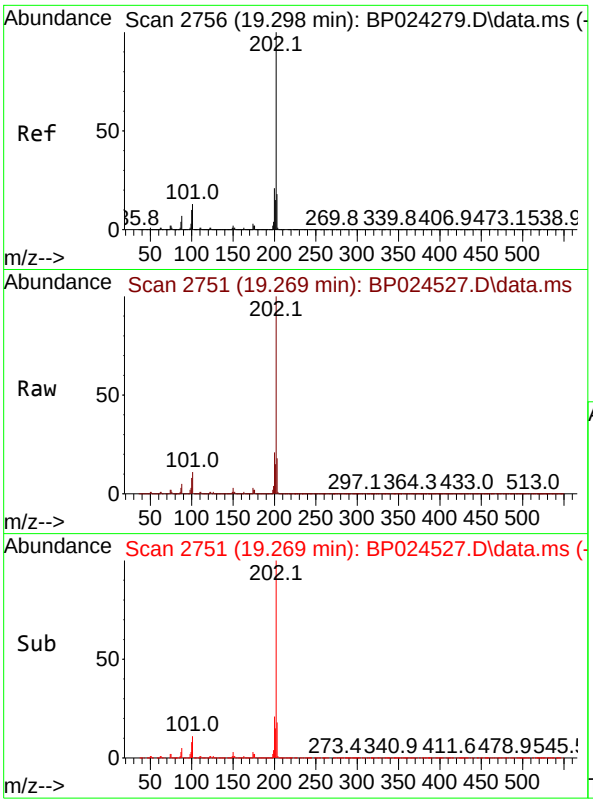


#74
Di-n-butylphthalate
Concen: 47.904 ng
RT: 18.145 min Scan# 2560
Delta R.T. -0.012 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion:149 Resp: 2635239

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.2
104	5.1	3.9	5.9



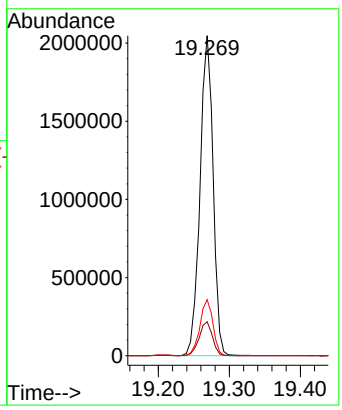


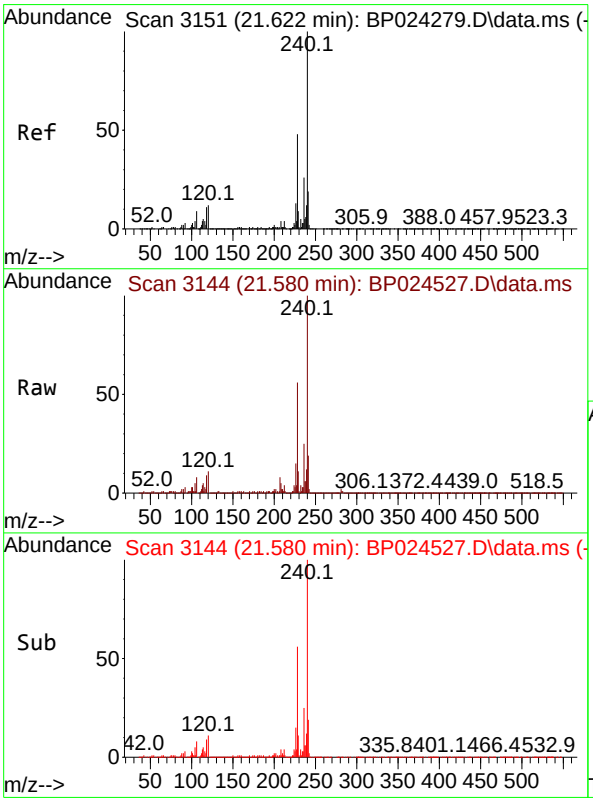
#75
Fluoranthene
Concen: 47.115 ng
RT: 19.269 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:202 Resp: 2627400

Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	33.2
203	17.5	0.0	37.7

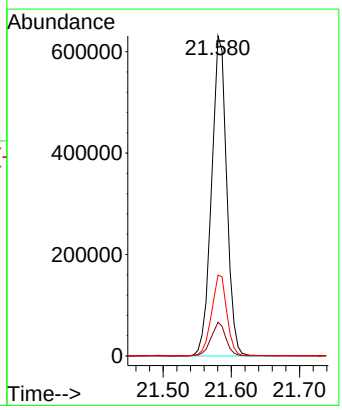


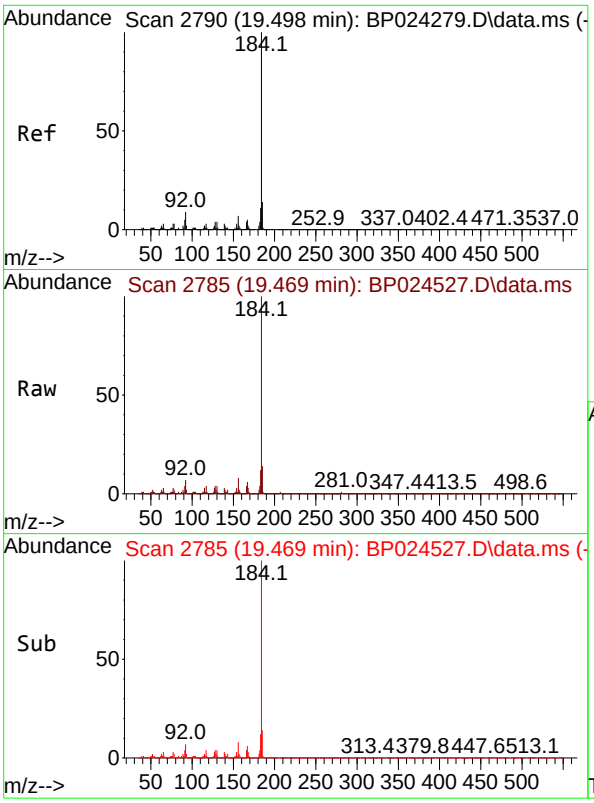


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.580 min Scan# 3144
Delta R.T. -0.012 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion:240 Resp: 974537

Ion	Ratio	Lower	Upper
240	100		
120	10.6	9.8	14.8
236	25.3	20.9	31.3



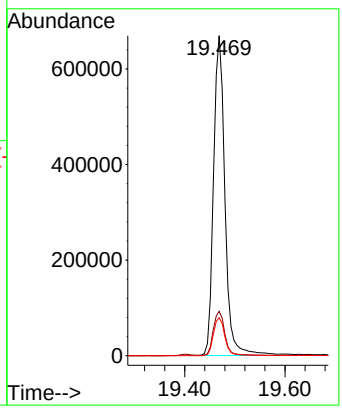


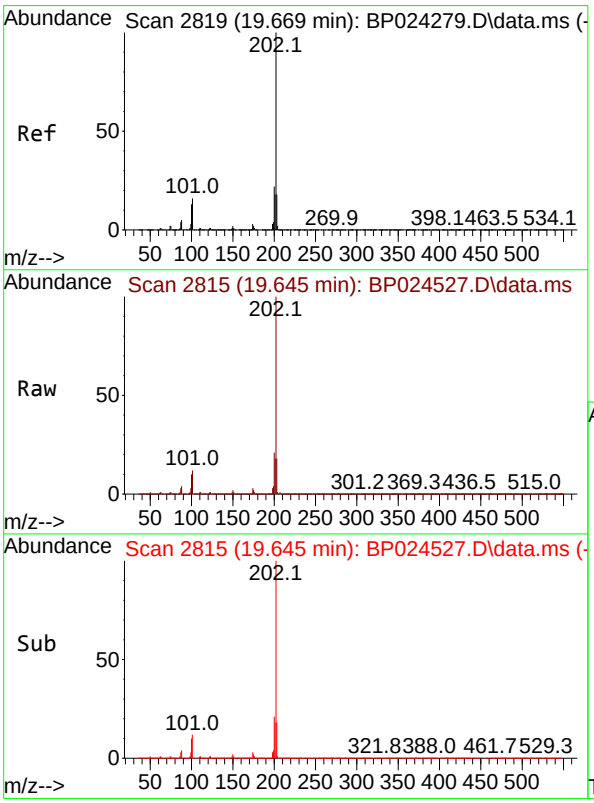
#77
Benzidine
Concen: 85.716 ng
RT: 19.469 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:184 Resp: 1058859

Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.6	17.4
183	11.8	9.2	13.8

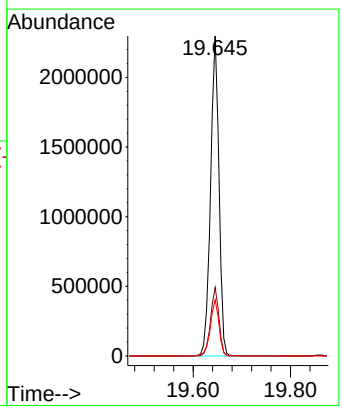


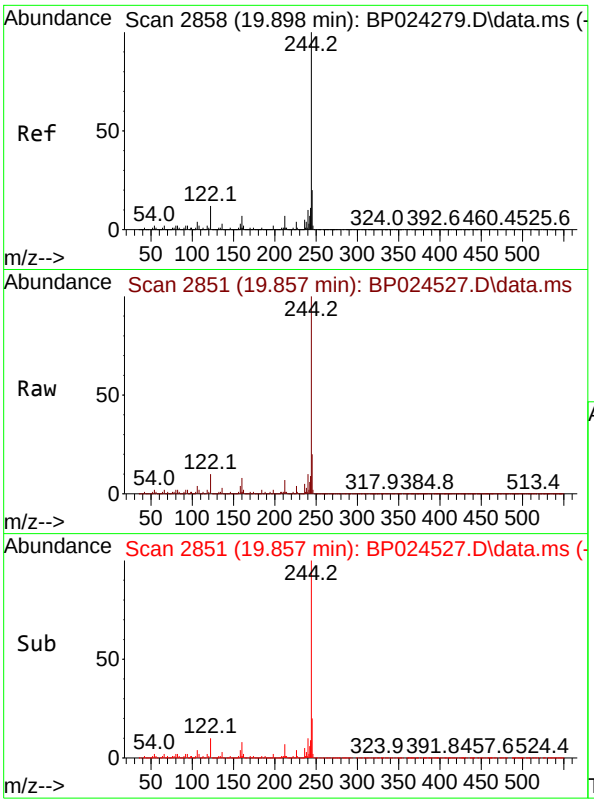


#78
Pyrene
Concen: 44.232 ng
RT: 19.645 min Scan# 2815
Delta R.T. -0.006 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion:202 Resp: 2739390

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.2	25.8
203	17.6	14.4	21.6



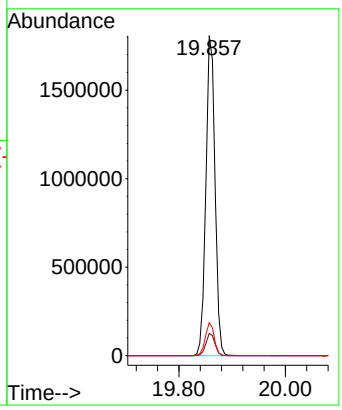


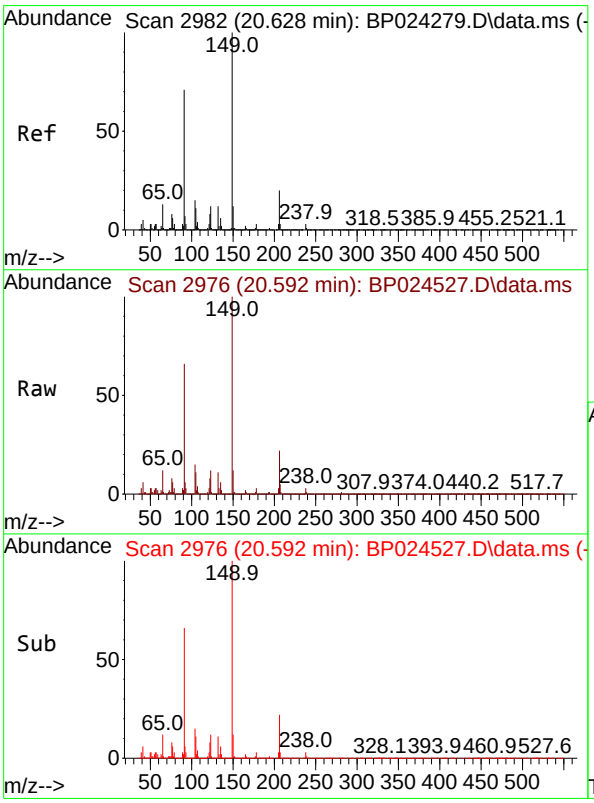
#79
Terphenyl-d14
Concen: 44.559 ng
RT: 19.857 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:244 Resp: 2154375

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	10.3	9.4	14.0

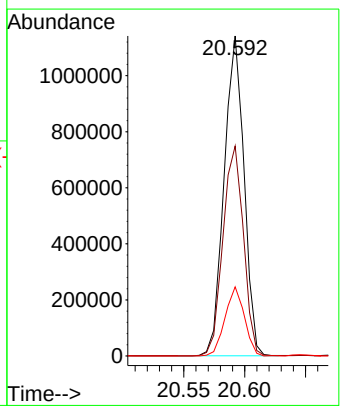


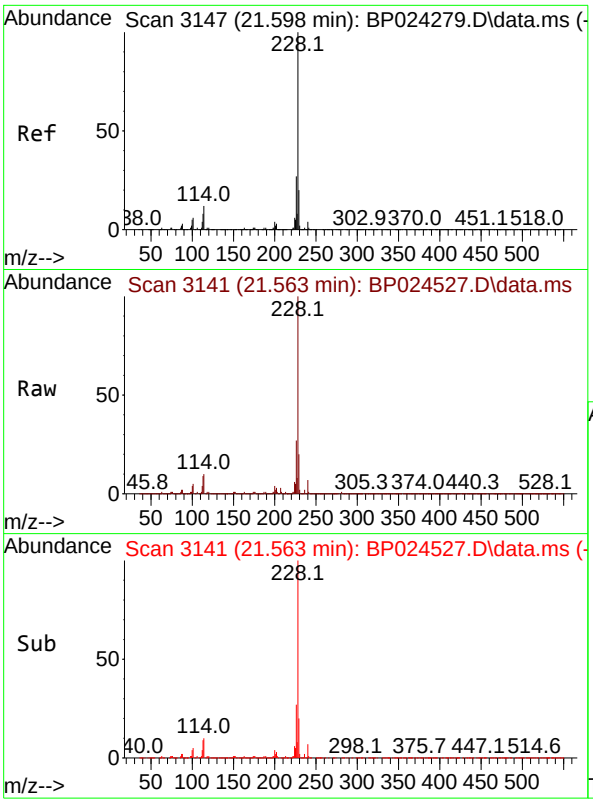


#80
Butylbenzylphthalate
Concen: 48.950 ng
RT: 20.592 min Scan# 2976
Delta R.T. -0.012 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion:149 Resp: 1298523

Ion	Ratio	Lower	Upper
149	100		
91	65.6	56.4	84.6
206	21.6	16.3	24.5



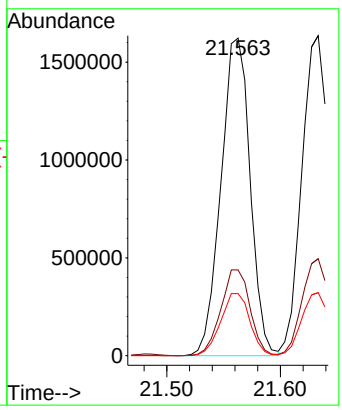


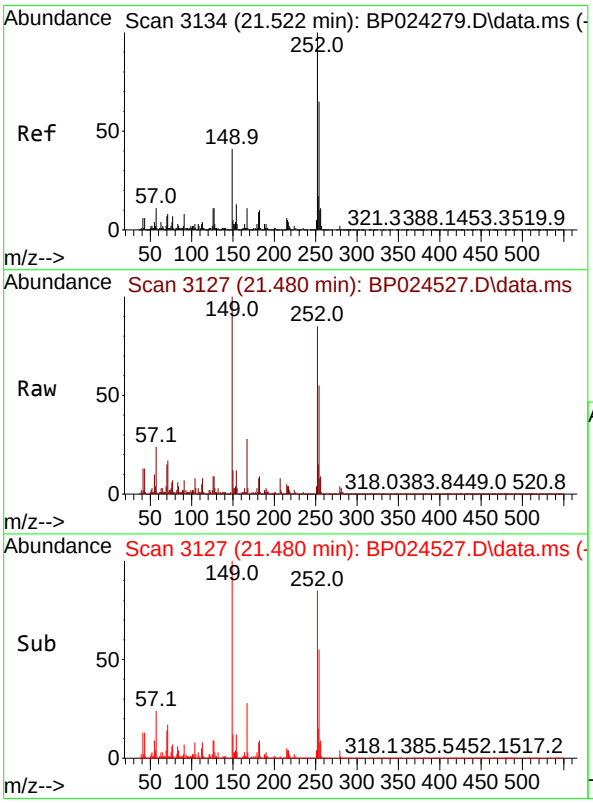
#81
Benzo(a)anthracene
Concen: 47.862 ng
RT: 21.563 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:228 Resp: 2899165

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.8	32.8
229	19.5	15.9	23.9

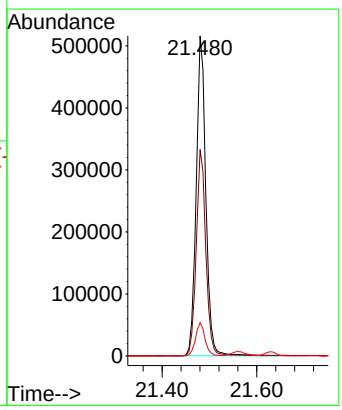


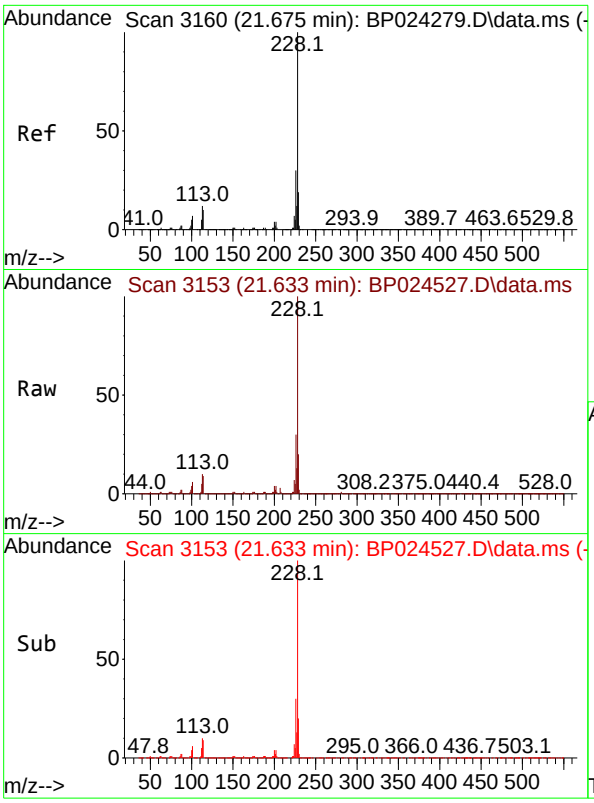


#82
3,3'-Dichlorobenzidine
Concen: 34.196 ng
RT: 21.480 min Scan# 3127
Delta R.T. -0.012 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion:252 Resp: 727023

Ion	Ratio	Lower	Upper
252	100		
254	64.5	51.7	77.5
126	10.4	8.8	13.2



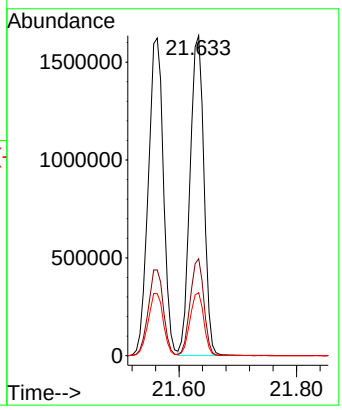


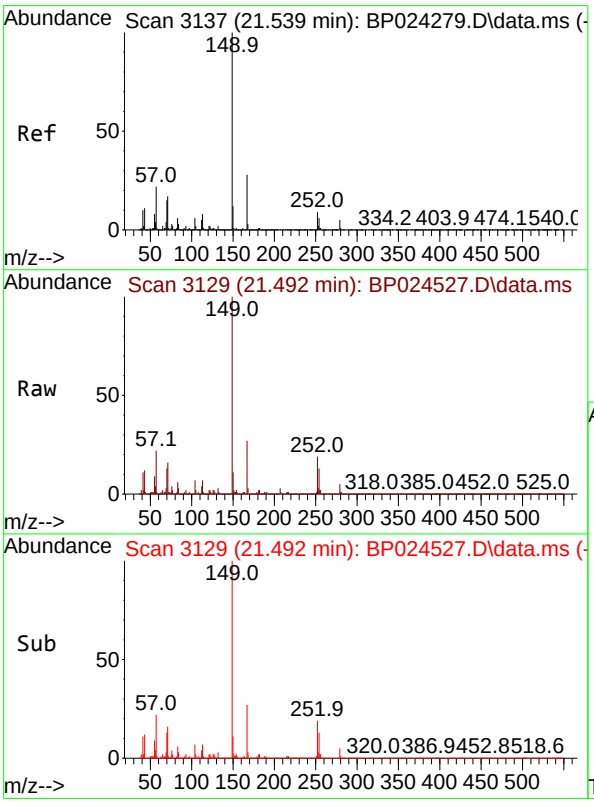
#83
Chrysene
Concen: 46.155 ng
RT: 21.633 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:228 Resp: 2678462

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.2	36.2
229	19.7	15.6	23.4

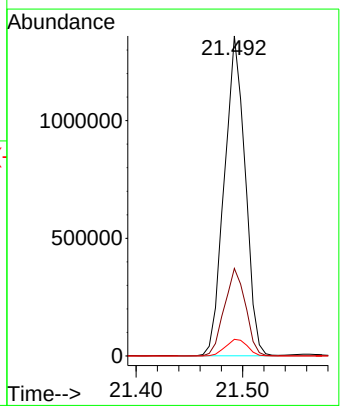


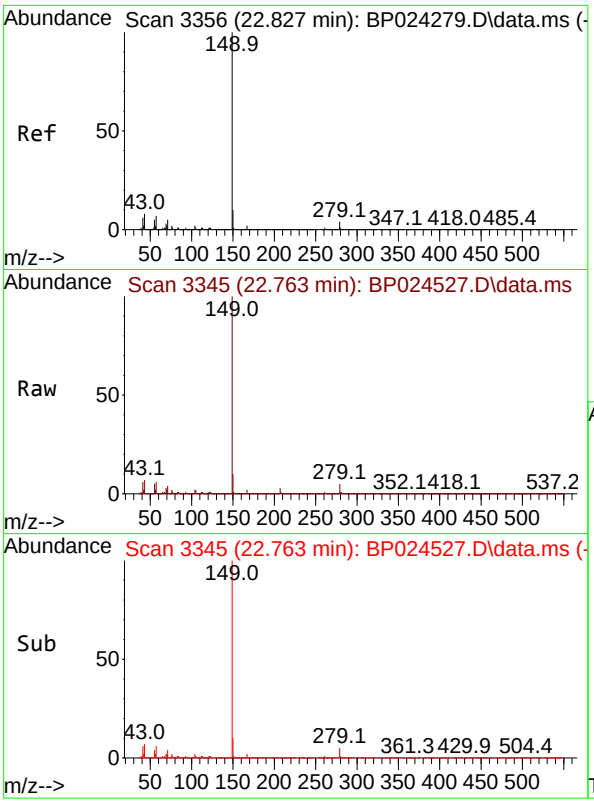


#84
Bis(2-ethylhexyl)phthalate
Concen: 47.517 ng
RT: 21.492 min Scan# 3129
Delta R.T. -0.018 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion:149 Resp: 1847858

Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.4	33.6
279	5.2	4.0	6.0



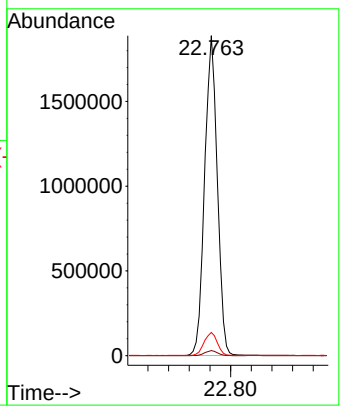


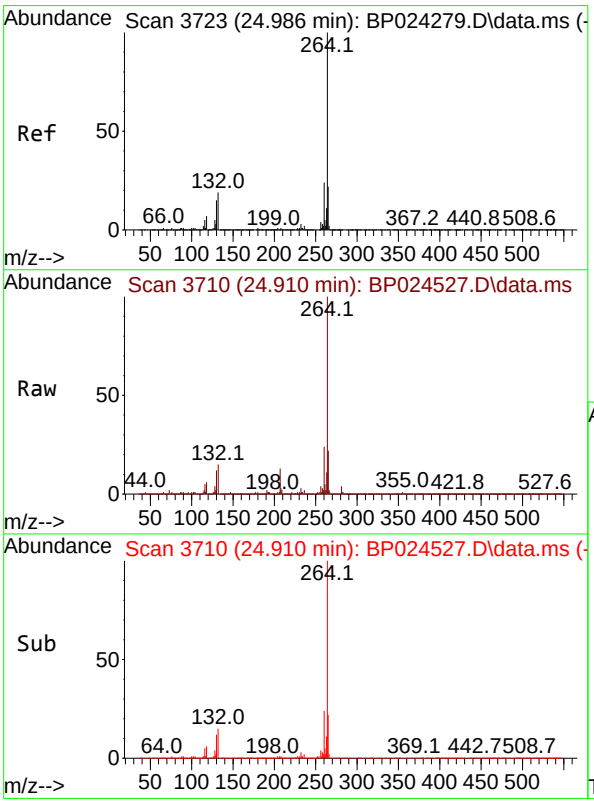
#85
Di-n-octyl phthalate
Concen: 50.624 ng
RT: 22.763 min Scan# 3
Delta R.T. -0.023 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:149 Resp: 3200463

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.5	6.0	9.0

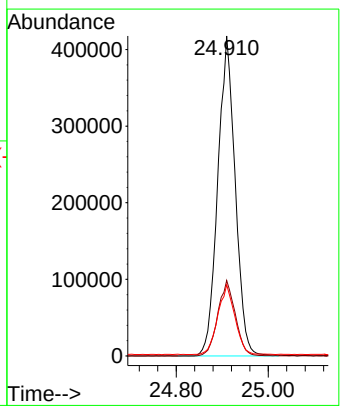


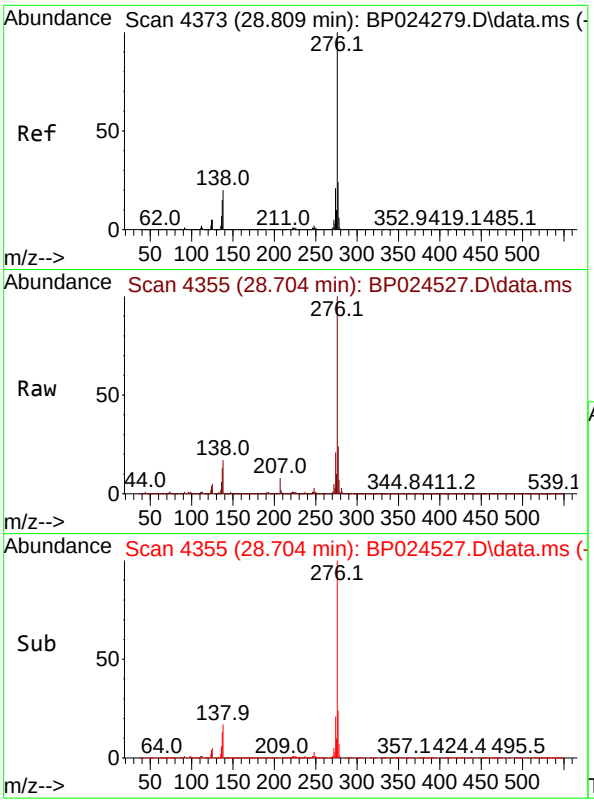


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.910 min Scan# 3710
Delta R.T. -0.023 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion:264 Resp: 1094765

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	22.2	17.8	26.6



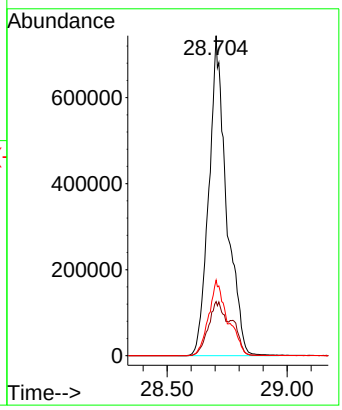


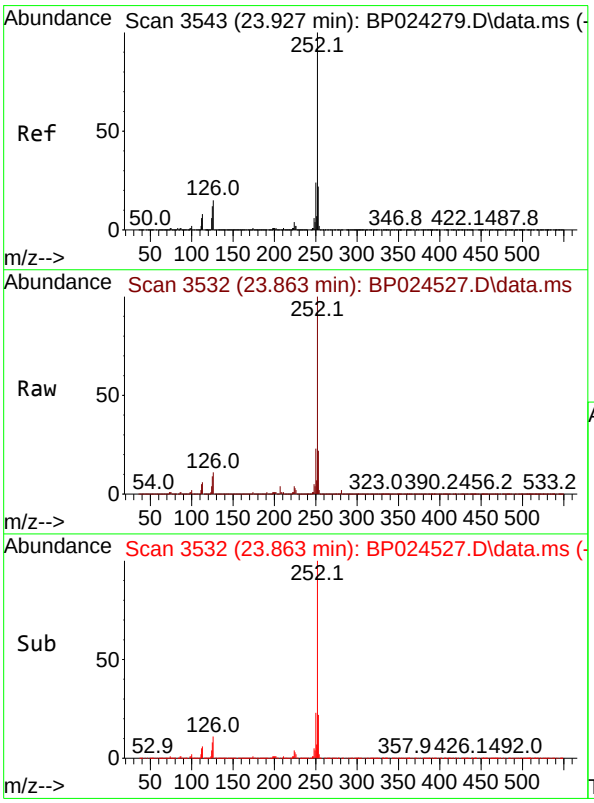
#87
Indeno(1,2,3-cd)pyrene
Concen: 50.349 ng
RT: 28.704 min Scan# 4
Delta R.T. -0.035 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:276 Resp: 3826691

Ion	Ratio	Lower	Upper
276	100		
138	16.1	14.5	21.7
277	25.3	20.2	30.2

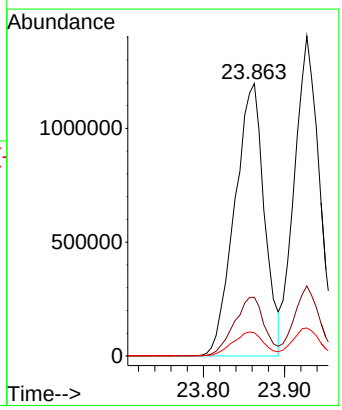


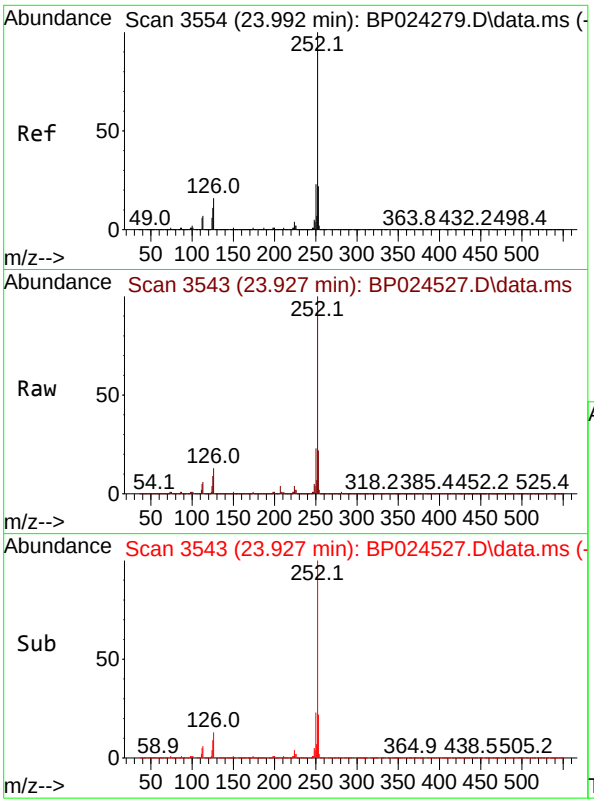


#88
Benzo(b)fluoranthene
Concen: 46.268 ng
RT: 23.863 min Scan# 3532
Delta R.T. -0.023 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion:252 Resp: 3036144

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.7	26.5
125	8.5	9.4	14.0#



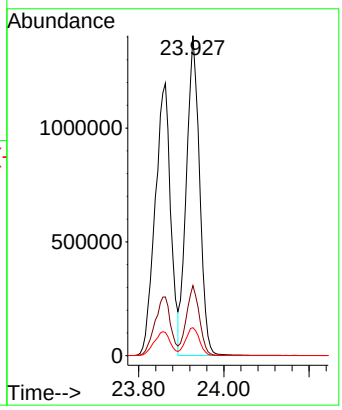


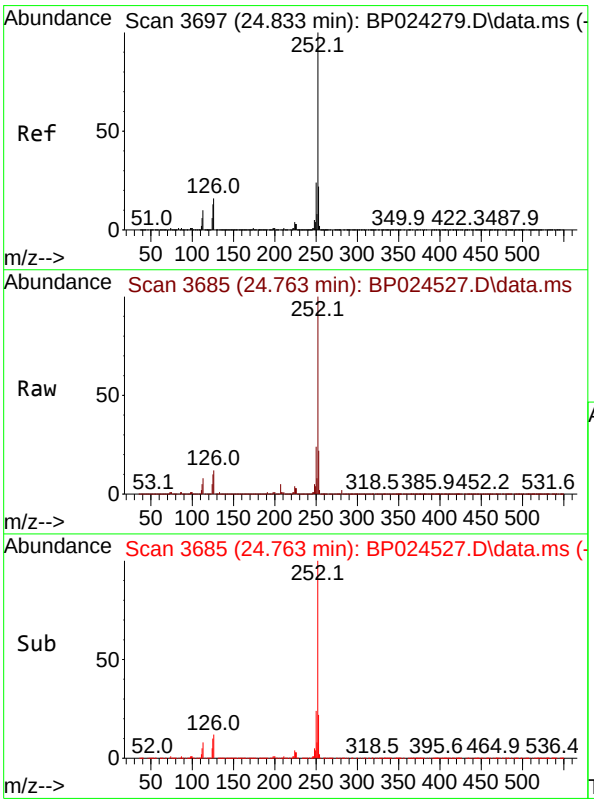
#89
Benzo(k)fluoranthene
Concen: 47.574 ng
RT: 23.927 min Scan# 3
Delta R.T. -0.029 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:252 Resp: 3015564

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	8.8	9.1	13.7#

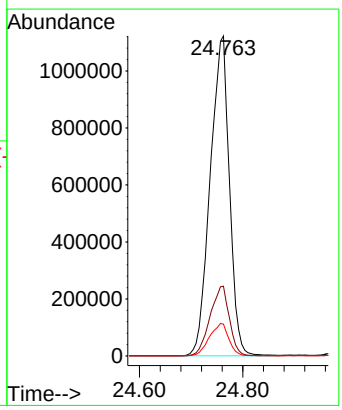


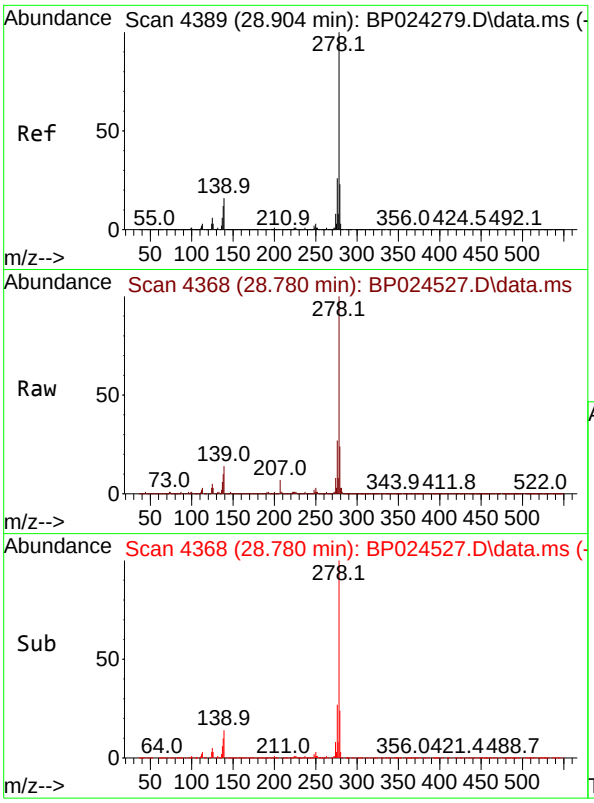


#90
Benzo(a)pyrene
Concen: 51.050 ng
RT: 24.763 min Scan# 3685
Delta R.T. -0.018 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion:252 Resp: 2889633

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	10.0	10.1	15.1#



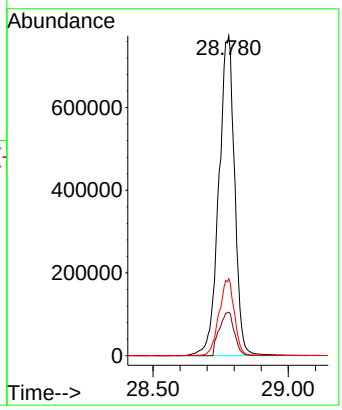


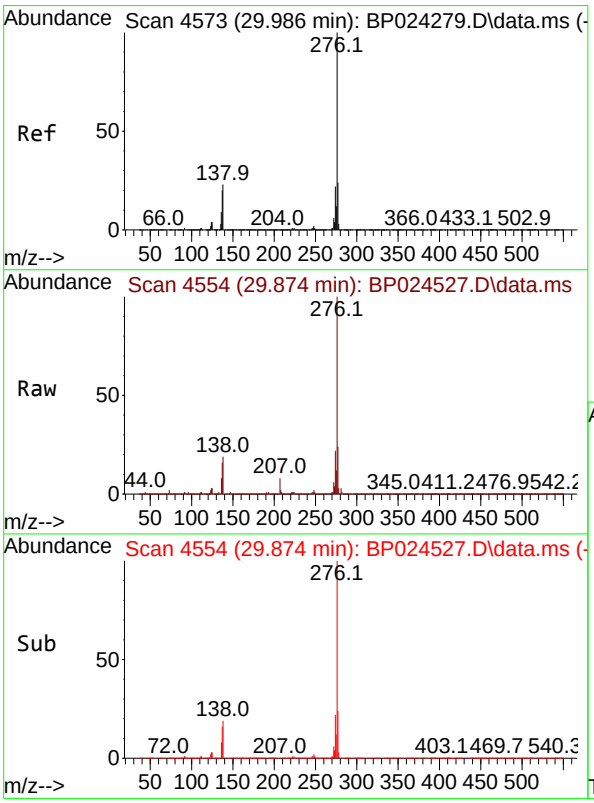
#91
Dibenzo(a,h)anthracene
Concen: 49.764 ng
RT: 28.780 min Scan# 4
Delta R.T. -0.023 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:278 Resp: 3139375

Ion	Ratio	Lower	Upper
278	100		
139	13.6	12.6	19.0
279	24.1	18.5	27.7

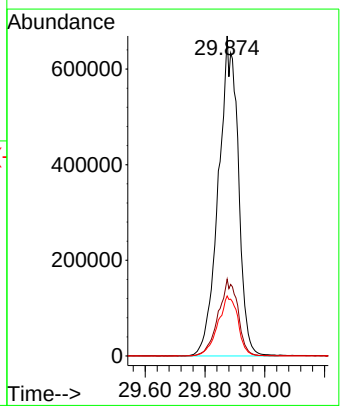




#92
Benzo(g,h,i)perylene
Concen: 47.835 ng
RT: 29.874 min Scan# 4554
Delta R.T. -0.023 min
Lab File: BP024527.D
Acq: 05 May 2025 16:05

Tgt Ion:276 Resp: 3071570

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.9	28.3
138	18.7	18.7	28.1



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050525\
Data File : BP024538.D
Acq On : 05 May 2025 23:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Quant Time: May 06 04:22:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.711	152	144567	20.000	ng		-0.01
21) Naphthalene-d8	10.481	136	583343	20.000	ng		#-0.02
39) Acenaphthene-d10	14.340	164	378766	20.000	ng		-0.01
64) Phenanthrene-d10	17.140	188	767035	20.000	ng		# 0.00
76) Chrysene-d12	21.575	240	886346	20.000	ng		-0.02
86) Perylene-d12	24.904	264	1026352	20.000	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.334	112	683126	78.131	ng		-0.01
7) Phenol-d6	6.899	99	886611	74.057	ng		-0.01
23) Nitrobenzene-d5	8.858	82	823080	80.455	ng		-0.01
42) 2,4,6-Tribromophenol	15.863	330	481102	91.806	ng		0.00
45) 2-Fluorobiphenyl	12.951	172	1933866	78.174	ng		-0.01
79) Terphenyl-d14	19.863	244	3423404	77.852	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.276	88	135489	36.636	ng	#	94
3) Pyridine	3.681	79	326718	33.456	ng		94
4) n-Nitrosodimethylamine	3.581	42	147352	45.465	ng		76
6) Aniline	7.052	93	216281	20.217	ng		97
8) 2-Chlorophenol	7.281	128	374578	38.372	ng		99
9) Benzaldehyde	6.864	77	255346	43.117	ng		99
10) Phenol	6.922	94	440038	36.640	ng		90
11) bis(2-Chloroethyl)ether	7.140	93	394510	40.770	ng		97
12) 1,3-Dichlorobenzene	7.599	146	397130	37.788	ng		99
13) 1,4-Dichlorobenzene	7.740	146	405802	38.057	ng		99
14) 1,2-Dichlorobenzene	8.058	146	386362	37.524	ng		99
15) Benzyl Alcohol	7.952	79	283984	36.679	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.234	45	360721	34.488	ng		100
17) 2-Methylphenol	8.158	107	295343	38.015	ng		97
18) Hexachloroethane	8.775	117	150477	39.049	ng		97
19) n-Nitroso-di-n-propyla...	8.505	70	265183	35.803	ng		94
20) 3+4-Methylphenols	8.481	107	407964	37.844	ng		97
22) Acetophenone	8.522	105	563009	38.995	ng		96
24) Nitrobenzene	8.899	77	404406	39.960	ng		98
25) Isophorone	9.416	82	697558	37.670	ng		99
26) 2-Nitrophenol	9.605	139	207805	41.958	ng	#	93
27) 2,4-Dimethylphenol	9.669	122	243617	39.175	ng		98
28) bis(2-Chloroethoxy)met...	9.893	93	444676	35.548	ng		99
29) 2,4-Dichlorophenol	10.152	162	344580	40.639	ng		98
30) 1,2,4-Trichlorobenzene	10.346	180	364501	40.122	ng		99
31) Naphthalene	10.528	128	1187661	38.650	ng		100
32) Benzoic acid	9.828	122	244090	33.686	ng		98
33) 4-Chloroaniline	10.663	127	296461	27.396	ng		98
34) Hexachlorobutadiene	10.810	225	224906	42.129	ng		99
35) Caprolactam	11.434	113	125386	40.077	ng		95
36) 4-Chloro-3-methylphenol	11.787	107	411177	41.633	ng		98
37) 2-Methylnaphthalene	12.140	142	825520	38.737	ng		97
38) 1-Methylnaphthalene	12.363	142	796632	38.212	ng		98
40) 1,2,4,5-Tetrachloroben...	12.516	216	413571	39.705	ng		99
41) Hexachlorocyclopentadiene	12.493	237	150687	40.904	ng		97
43) 2,4,6-Trichlorophenol	12.757	196	282121	40.738	ng		98

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050525\
Data File : BP024538.D
Acq On : 05 May 2025 23:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Quant Time: May 06 04:22:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.852	196	314542	41.016	ng		99
46) 1,1'-Biphenyl	13.157	154	1066305	38.299	ng		99
47) 2-Chloronaphthalene	13.204	162	803949	38.636	ng		97
48) 2-Nitroaniline	13.416	65	251733	43.129	ng		97
49) Acenaphthylene	14.057	152	1274393	38.900	ng		100
50) Dimethylphthalate	13.799	163	1097300	39.837	ng		100
51) 2,6-Dinitrotoluene	13.916	165	236598	40.451	ng		90
52) Acenaphthene	14.404	154	797423	38.394	ng		98
53) 3-Nitroaniline	14.257	138	247785	40.307	ng		94
54) 2,4-Dinitrophenol	14.469	184	142586	41.385	ng		89
55) Dibenzofuran	14.746	168	1309872	38.583	ng		95
56) 4-Nitrophenol	14.610	139	180790	34.052	ng		86
57) 2,4-Dinitrotoluene	14.716	165	345139	43.257	ng	#	98
58) Fluorene	15.404	166	1021639	38.874	ng		99
59) 2,3,4,6-Tetrachlorophenol	14.981	232	290161	41.024	ng		96
60) Diethylphthalate	15.175	149	1140003	40.162	ng		100
61) 4-Chlorophenyl-phenyle...	15.398	204	504440	39.526	ng		97
62) 4-Nitroaniline	15.445	138	241494	37.109	ng		84
63) Azobenzene	15.698	77	998056	38.255	ng		95
65) 4,6-Dinitro-2-methylph...	15.498	198	196115	40.554	ng		96
66) n-Nitrosodiphenylamine	15.622	169	851095	37.175	ng		99
67) 4-Bromophenyl-phenylether	16.316	248	335935	40.045	ng		98
68) Hexachlorobenzene	16.434	284	413246	41.456	ng		98
69) Atrazine	16.604	200	164069	28.138	ng		98
70) Pentachlorophenol	16.787	266	286852	41.249	ng		99
71) Phenanthrene	17.187	178	1581602	37.798	ng		99
72) Anthracene	17.281	178	1570576	38.944	ng		99
73) Carbazole	17.557	167	1525243	38.707	ng		98
74) Di-n-butylphthalate	18.145	149	1981084	40.354	ng		99
75) Fluoranthene	19.269	202	1960802	39.400	ng		97
77) Benzidine	19.492	184	106992	9.523	ng		99
78) Pyrene	19.645	202	2073826	36.817	ng		99
80) Butylbenzylphthalate	20.598	149	938336	38.892	ng		99
81) Benzo(a)anthracene	21.557	228	2134204	38.739	ng		100
82) 3,3'-Dichlorobenzidine	21.486	252	506543	26.196	ng		99
83) Chrysene	21.628	228	2006771	38.021	ng		100
84) Bis(2-ethylhexyl)phtha...	21.492	149	1372545	38.807	ng		100
85) Di-n-octyl phthalate	22.757	149	2318596	40.324	ng		99
87) Indeno(1,2,3-cd)pyrene	28.698	276	2820939	39.590	ng		98
88) Benzo(b)fluoranthene	23.851	252	2376622	38.631	ng		98
89) Benzo(k)fluoranthene	23.922	252	2304357	38.777	ng		98
90) Benzo(a)pyrene	24.751	252	2050411	38.638	ng		98
91) Dibenzo(a,h)anthracene	28.757	278	2340474	39.573	ng		97
92) Benzo(g,h,i)perylene	29.868	276	2389696	39.697	ng		95

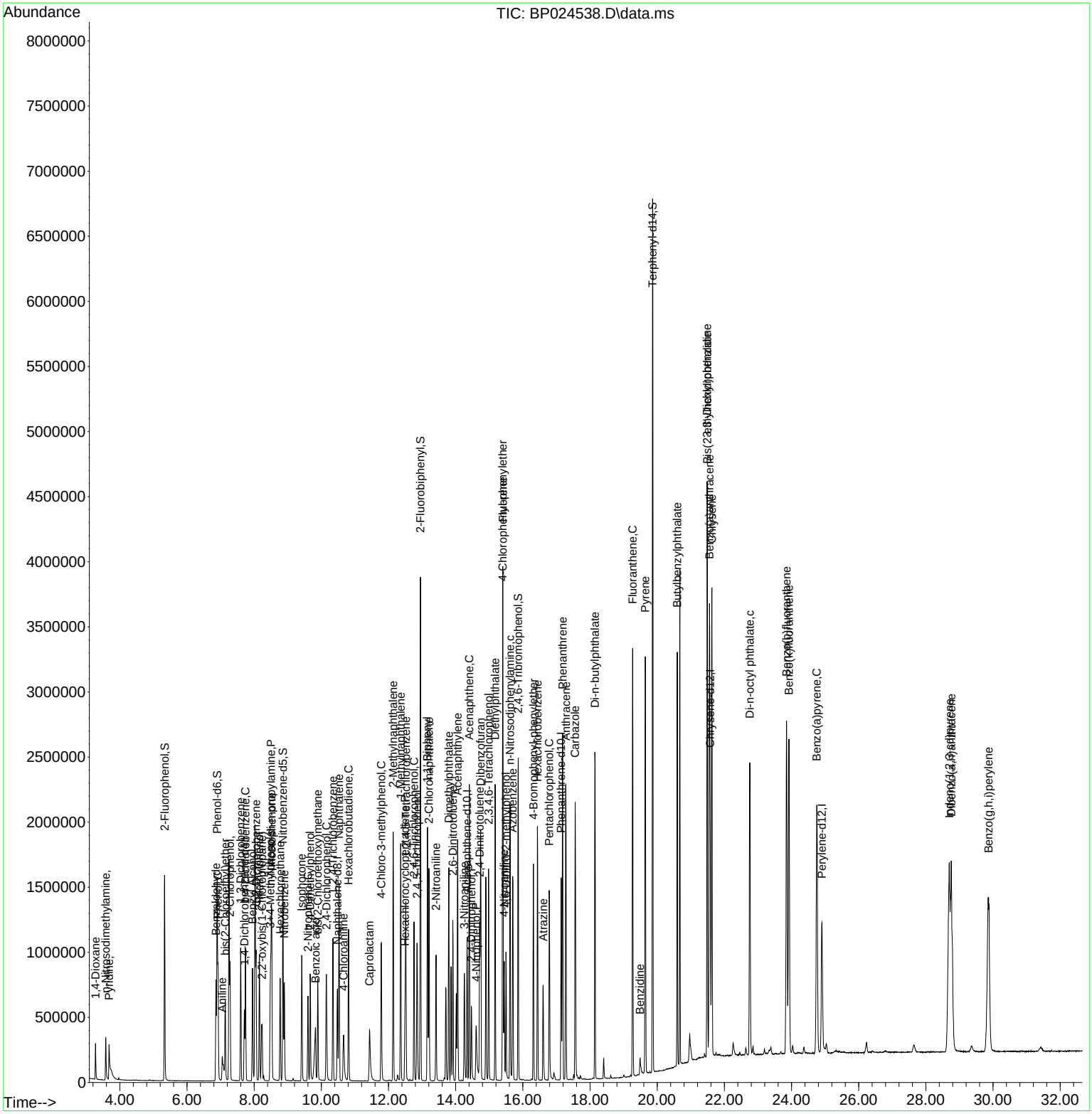
(#) = qualifier out of range (m) = manual integration (+) = signals summed

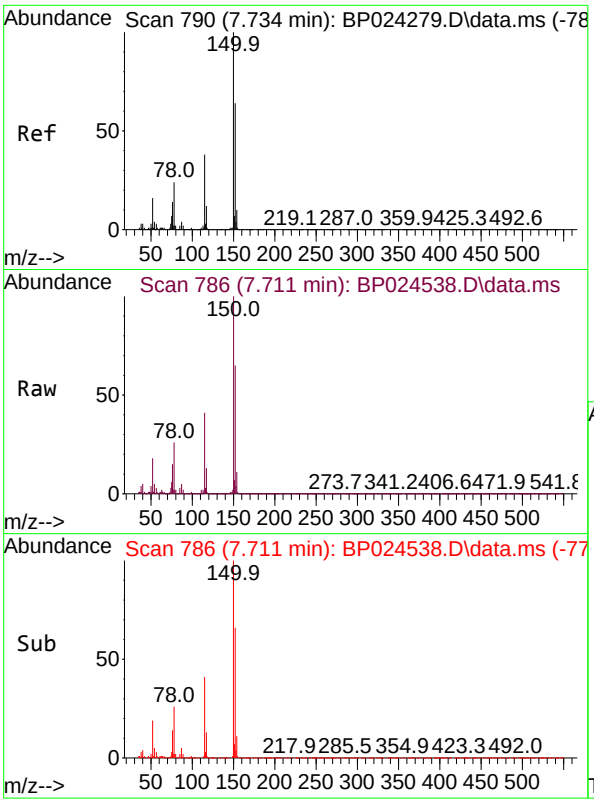
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050525\
Data File : BP024538.D
Acq On : 05 May 2025 23:32
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Quant Time: May 06 04:22:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration



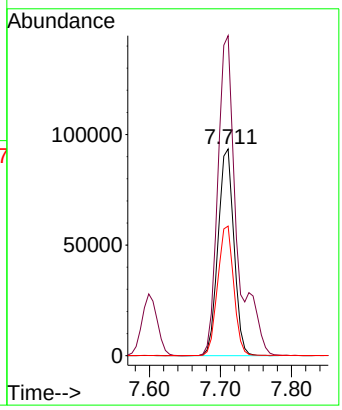


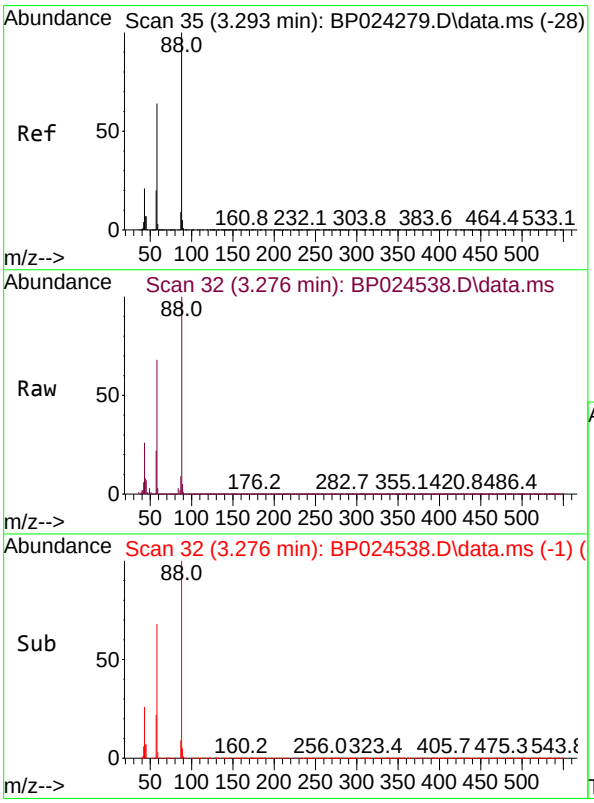
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.711 min Scan# 7
Delta R.T. -0.011 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 144567

Ion	Ratio	Lower	Upper
152	100		
150	154.8	124.9	187.3
115	62.7	47.7	71.5

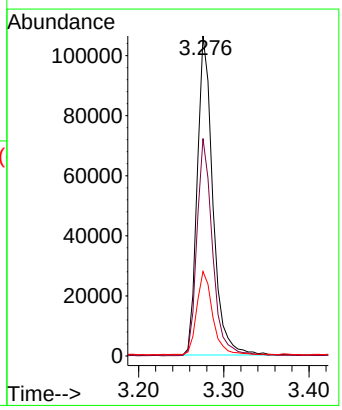


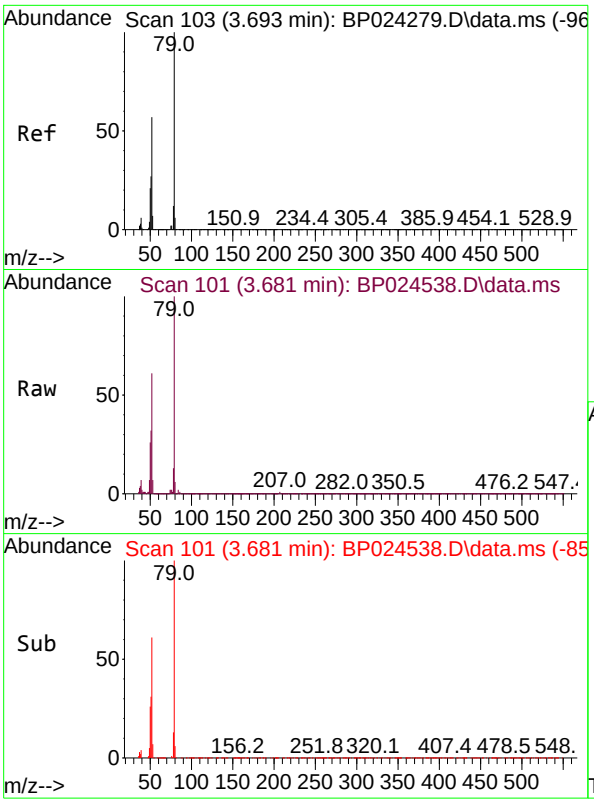


#2
1,4-Dioxane
Concen: 36.636 ng
RT: 3.276 min Scan# 32
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion: 88 Resp: 135489

Ion	Ratio	Lower	Upper
88	100		
58	67.7	51.4	77.2
43	26.7	17.1	25.7#



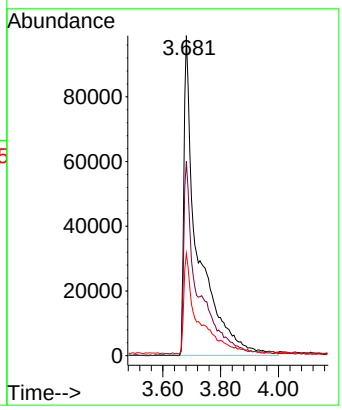


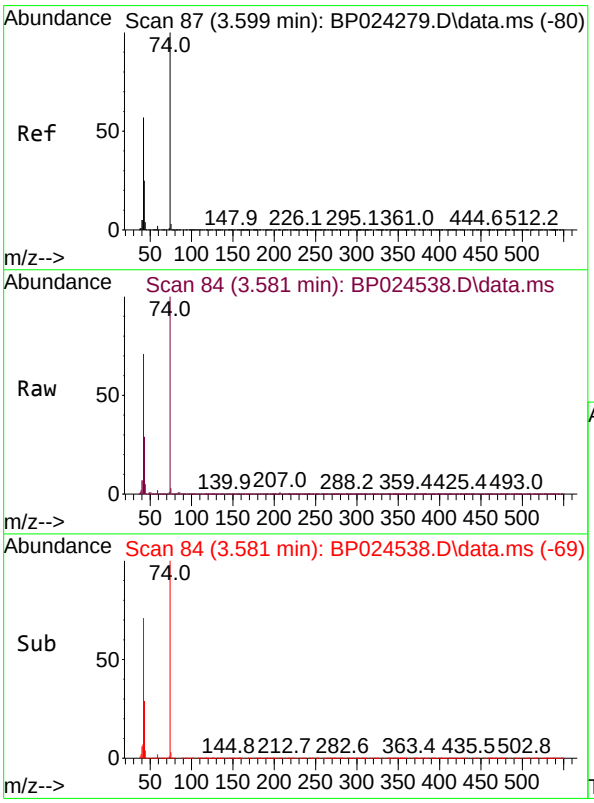
#3
Pyridine
Concen: 33.456 ng
RT: 3.681 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 326718

Ion	Ratio	Lower	Upper
79	100		
52	60.7	45.4	68.2
51	32.0	22.6	33.8

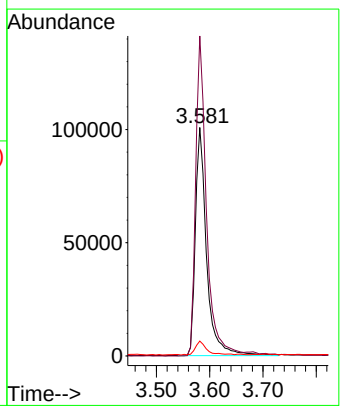


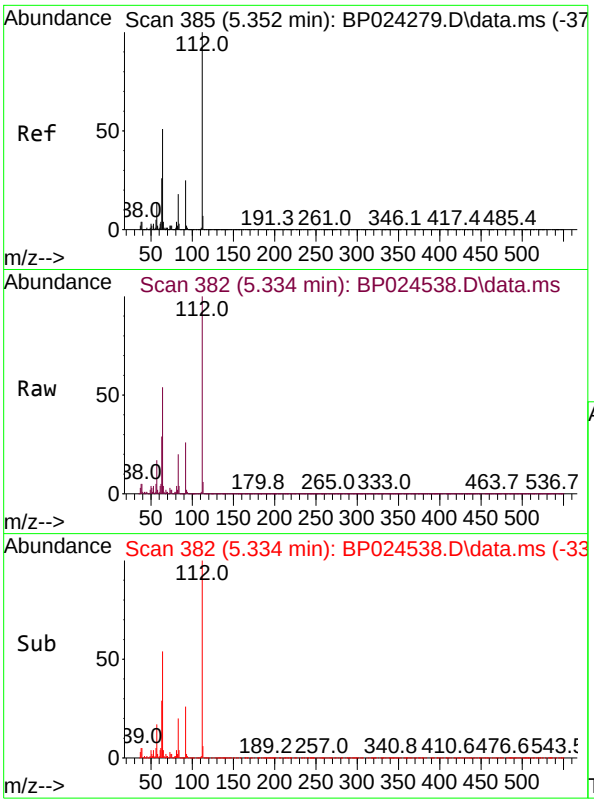


#4
n-Nitrosodimethylamine
Concen: 45.465 ng
RT: 3.581 min Scan# 84
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion: 42 Resp: 147352

Ion	Ratio	Lower	Upper
42	100		
74	140.0	139.5	209.3
44	6.5	5.8	8.8



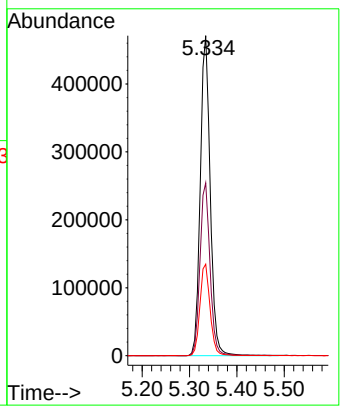


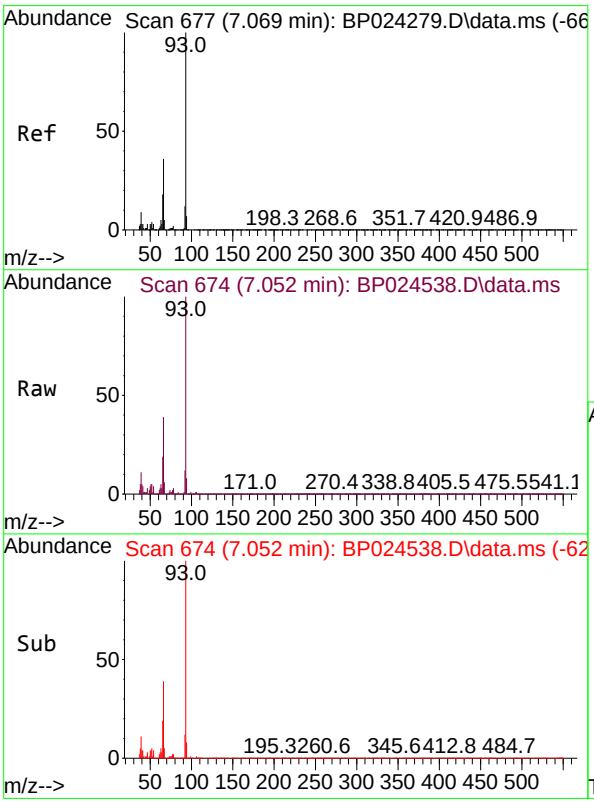
#5
2-Fluorophenol
Concen: 78.131 ng
RT: 5.334 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:112 Resp: 683126

Ion	Ratio	Lower	Upper
112	100		
64	54.0	41.1	61.7
63	28.6	20.6	30.8

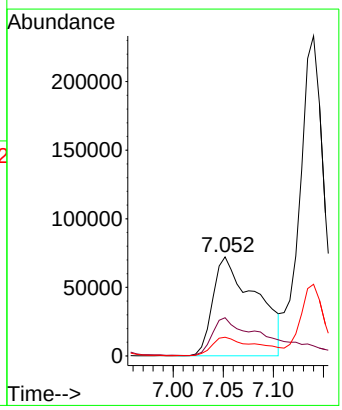


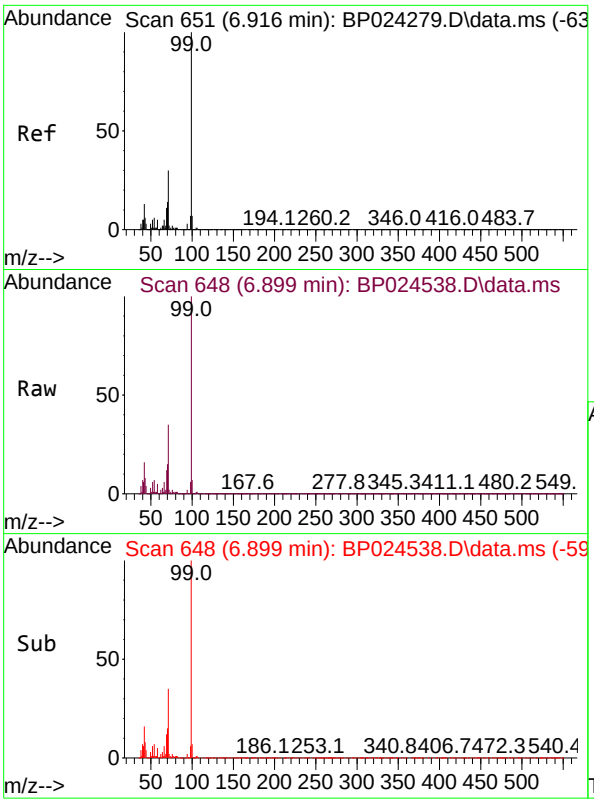


#6
Aniline
Concen: 20.217 ng
RT: 7.052 min Scan# 674
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion: 93 Resp: 216281

Ion	Ratio	Lower	Upper
93	100		
66	38.6	29.1	43.7
65	18.9	14.7	22.1



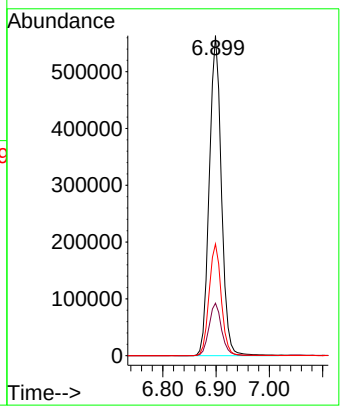


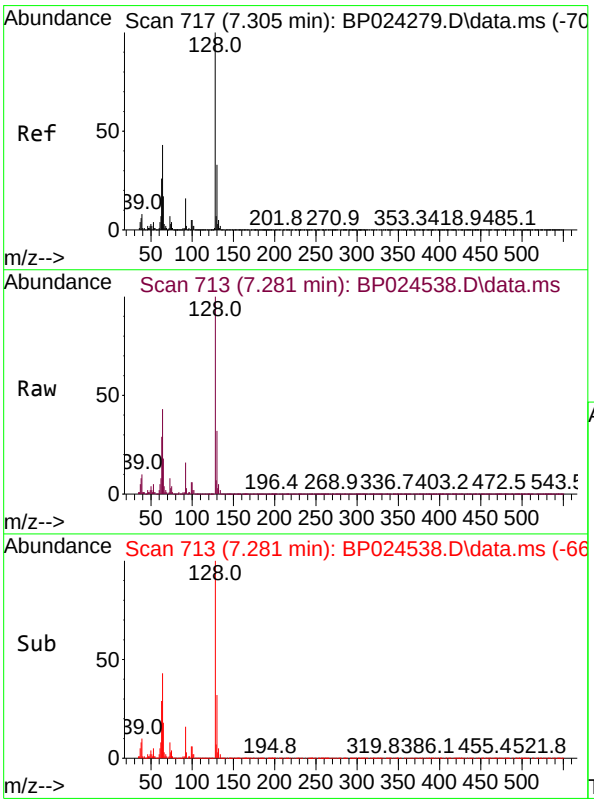
#7
Phenol-d6
Concen: 74.057 ng
RT: 6.899 min Scan# 64
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 99 Resp: 886611

Ion	Ratio	Lower	Upper
99	100		
42	16.4	10.6	16.0#
71	34.9	23.7	35.5

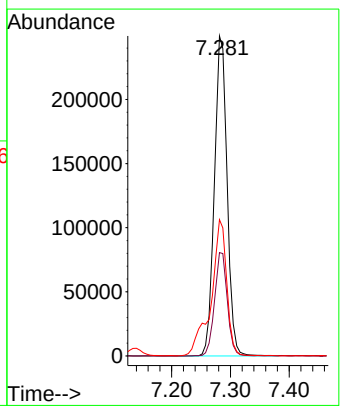


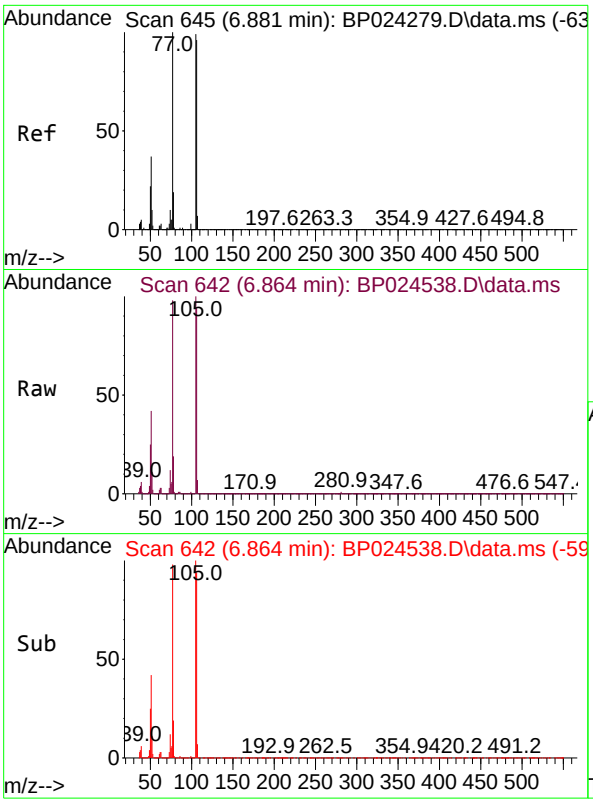


#8
2-Chlorophenol
Concen: 38.372 ng
RT: 7.281 min Scan# 713
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:128 Resp: 374578

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.9	52.9
64	42.6	22.7	62.7



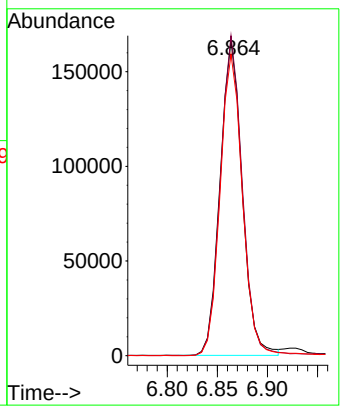


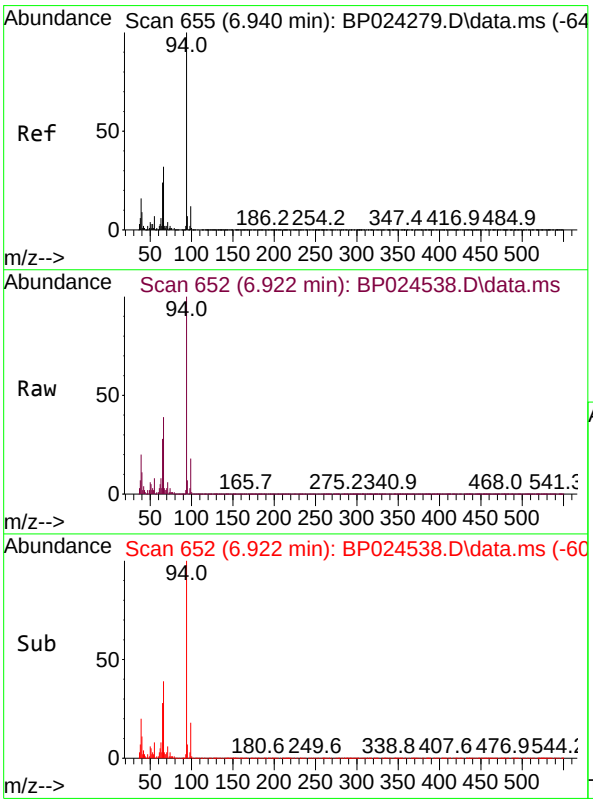
#9
Benzaldehyde
Concen: 43.117 ng
RT: 6.864 min Scan# 64
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 255346

Ion	Ratio	Lower	Upper
77	100		
105	101.6	79.2	119.2
106	95.7	76.2	116.2

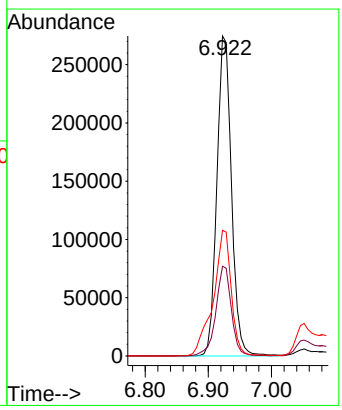


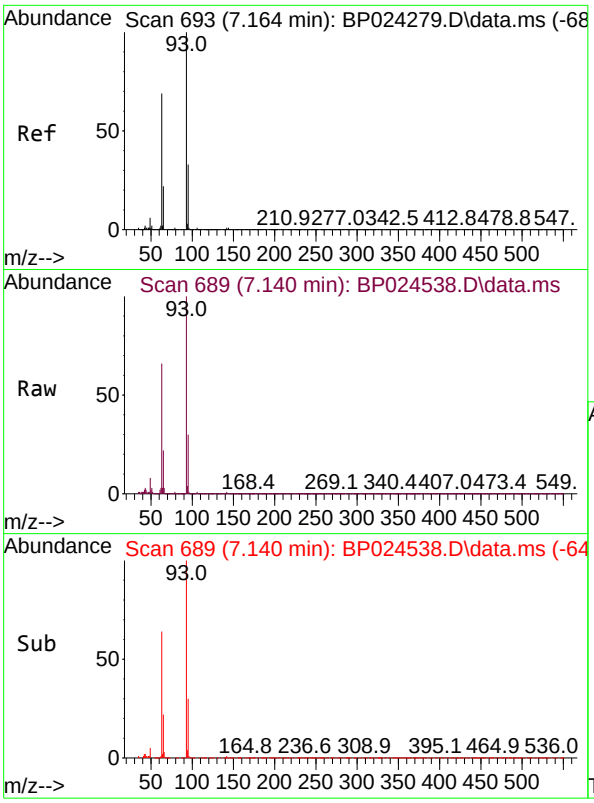


#10
Phenol
Concen: 36.640 ng
RT: 6.922 min Scan# 652
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion: 94 Resp: 440038

Ion	Ratio	Lower	Upper
94	100		
65	28.1	4.5	44.5
66	39.3	12.4	52.4



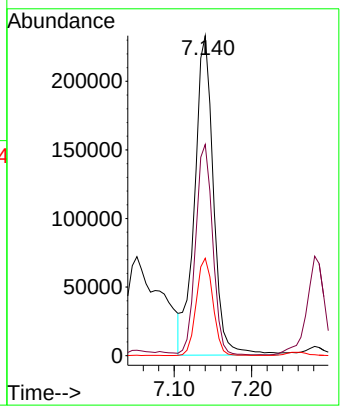


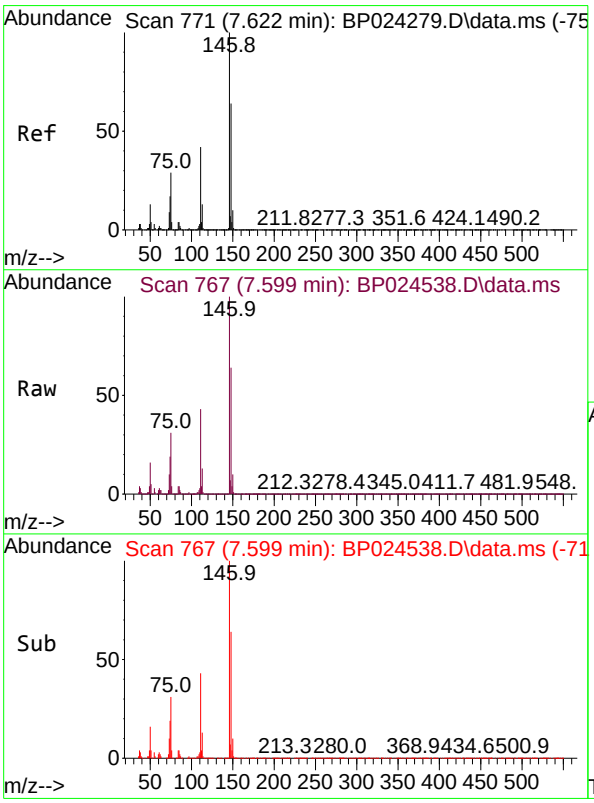
#11
bis(2-Chloroethyl)ether
Concen: 40.770 ng
RT: 7.140 min Scan# 6
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 93 Resp: 394510

Ion	Ratio	Lower	Upper
93	100		
63	66.0	48.6	88.6
95	30.5	12.3	52.3

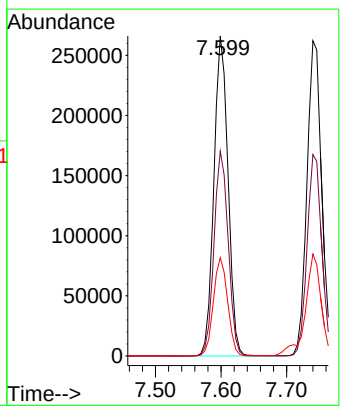


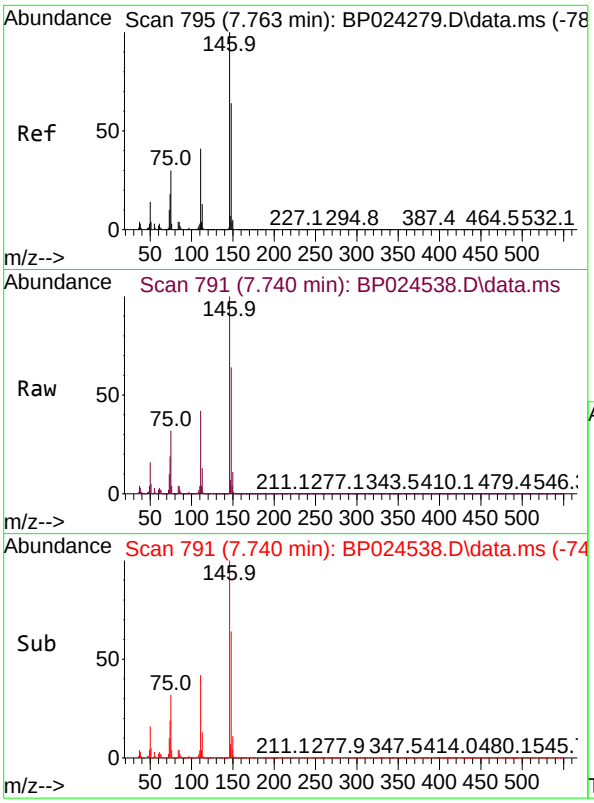


#12
1,3-Dichlorobenzene
Concen: 37.788 ng
RT: 7.599 min Scan# 767
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:146 Resp: 397130

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.4	77.0
75	30.7	22.9	34.3



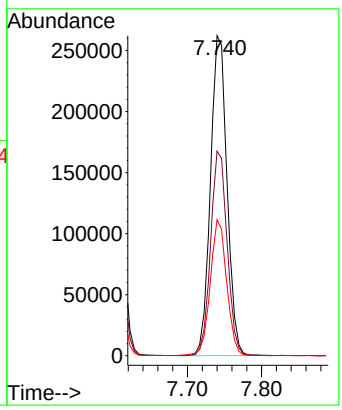


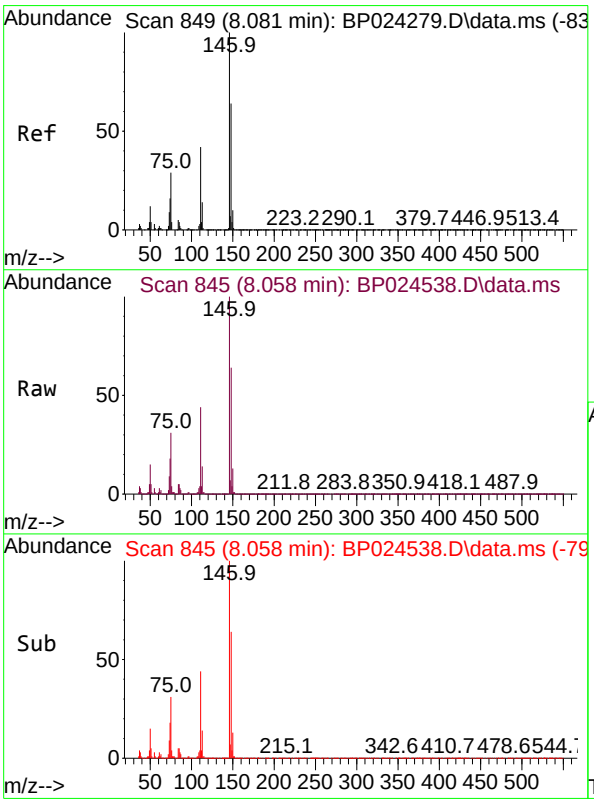
#13
1,4-Dichlorobenzene
Concen: 38.057 ng
RT: 7.740 min Scan# 7
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:146 Resp: 405802

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.1	76.7
111	42.5	32.6	48.8

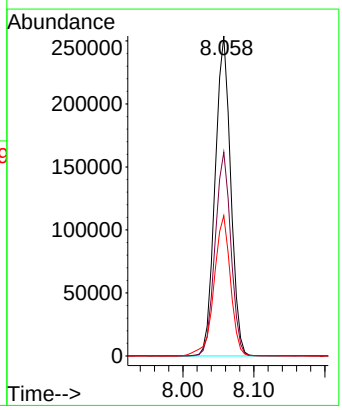


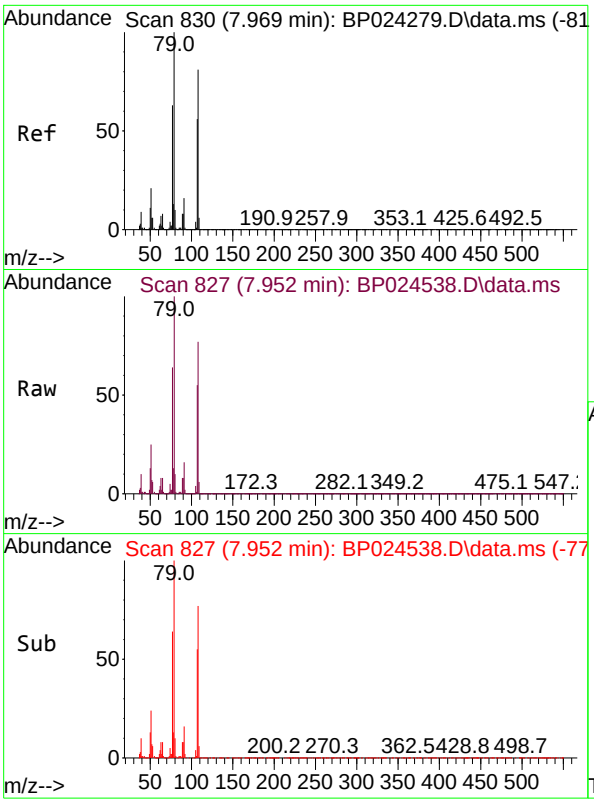


#14
1,2-Dichlorobenzene
Concen: 37.524 ng
RT: 8.058 min Scan# 845
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:146 Resp: 386362

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.4
111	43.8	33.8	50.8



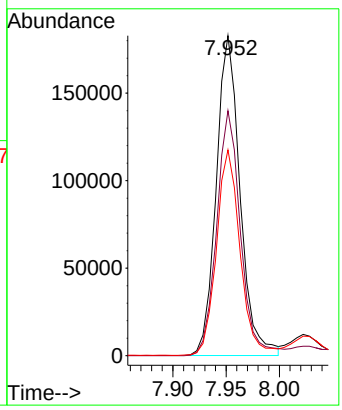


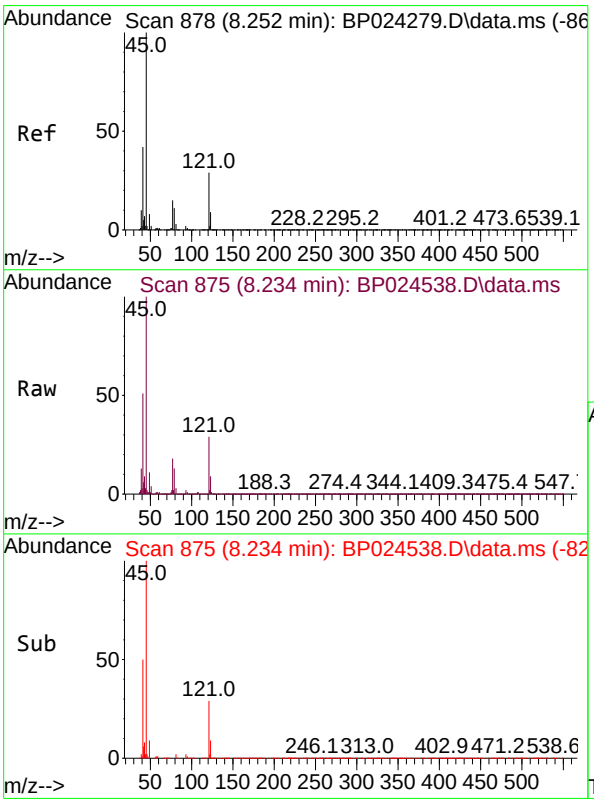
#15
Benzyl Alcohol
Concen: 36.679 ng
RT: 7.952 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 283984

Ion	Ratio	Lower	Upper
79	100		
108	76.5	65.1	97.7
77	64.3	50.7	76.1

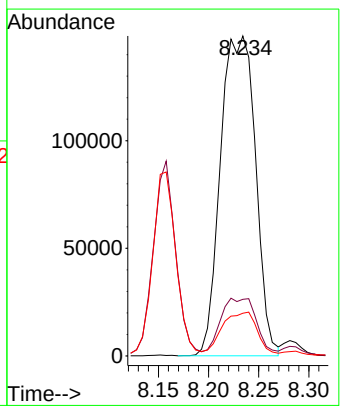


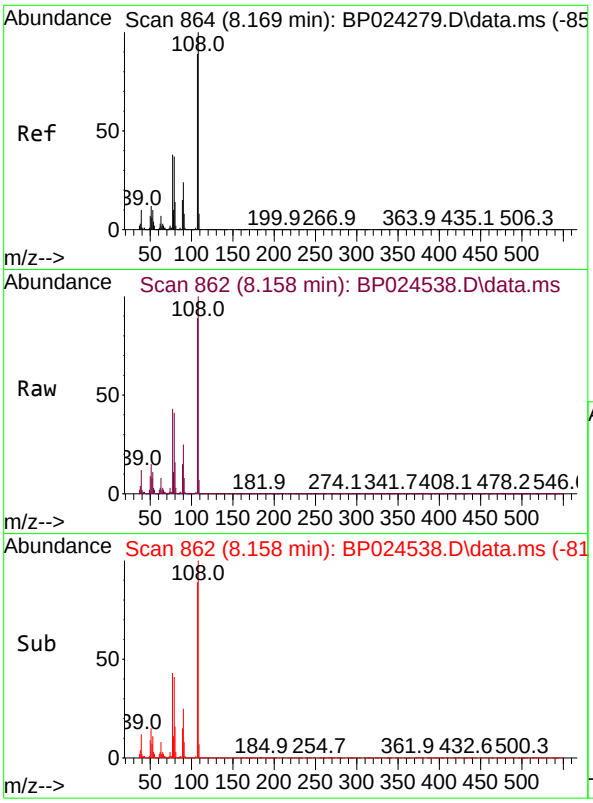


#16
2,2'-oxybis(1-Chloropropane)
Concen: 34.488 ng
RT: 8.234 min Scan# 875
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion: 45 Resp: 360721

Ion	Ratio	Lower	Upper
45	100		
77	17.7	0.0	37.7
79	13.4	0.0	33.5



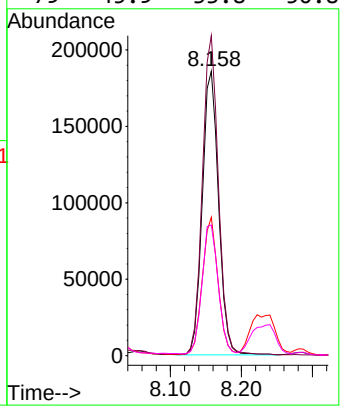


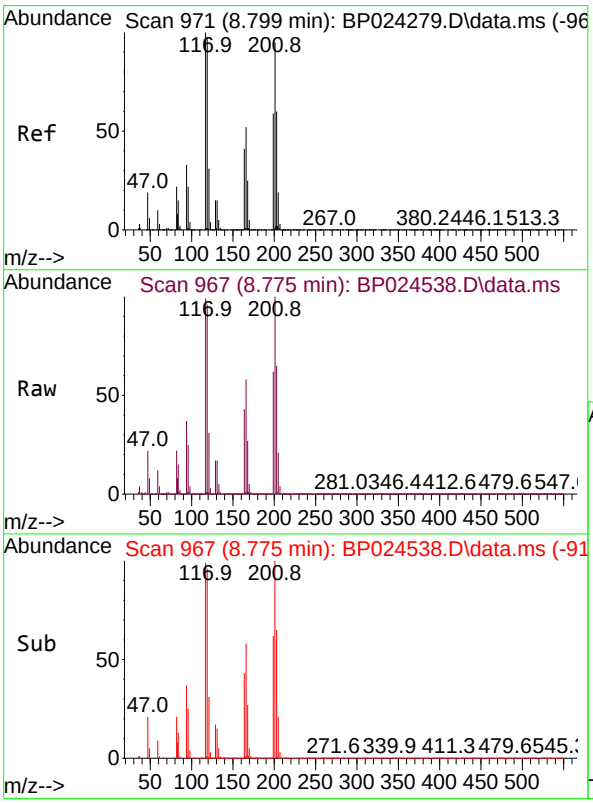
#17
2-Methylphenol
Concen: 38.015 ng
RT: 8.158 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:107 Resp: 295343

Ion	Ratio	Lower	Upper
107	100		
108	112.5	89.8	134.6
77	48.6	34.2	51.4
79	45.9	33.8	50.8

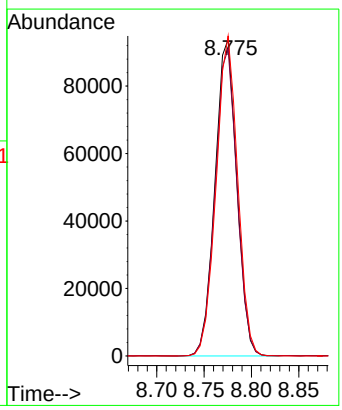


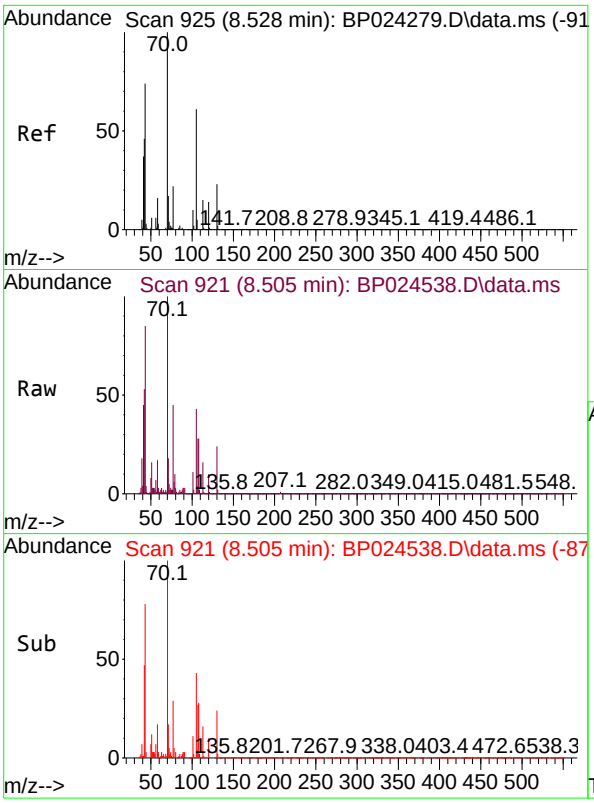


#18
Hexachloroethane
Concen: 39.049 ng
RT: 8.775 min Scan# 967
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:117 Resp: 150477

Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.8	116.6
201	101.0	75.9	113.9



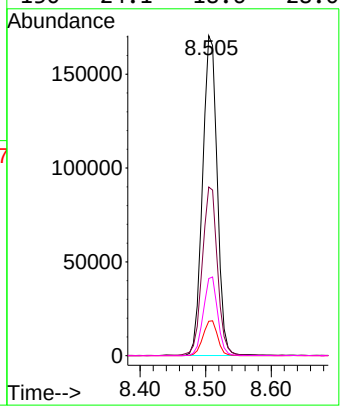


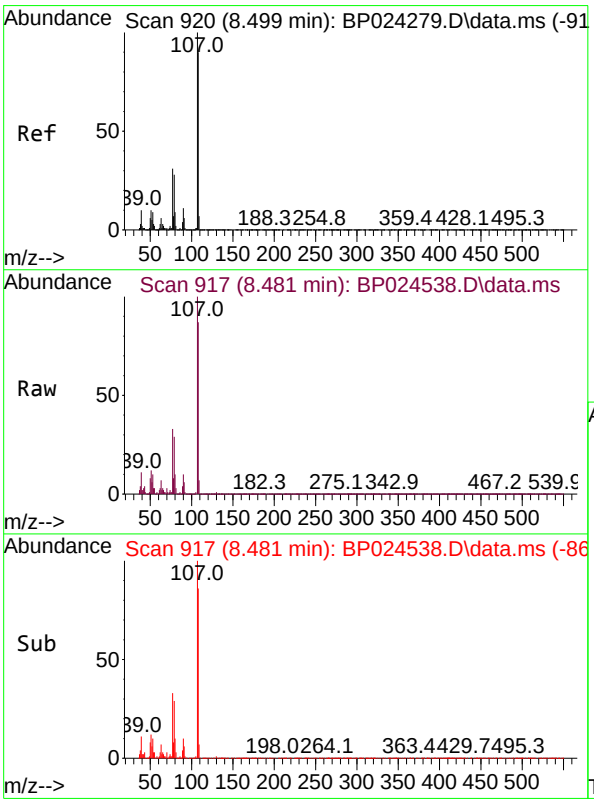
#19
n-Nitroso-di-n-propylamine
Concen: 35.803 ng
RT: 8.505 min Scan# 9
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 70 Resp: 265183

Ion	Ratio	Lower	Upper
70	100		
42	52.7	37.3	55.9
101	10.8	8.2	12.4
130	24.1	18.6	28.0

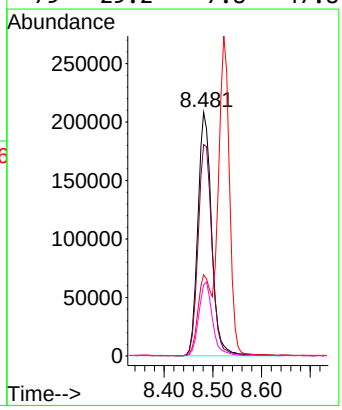


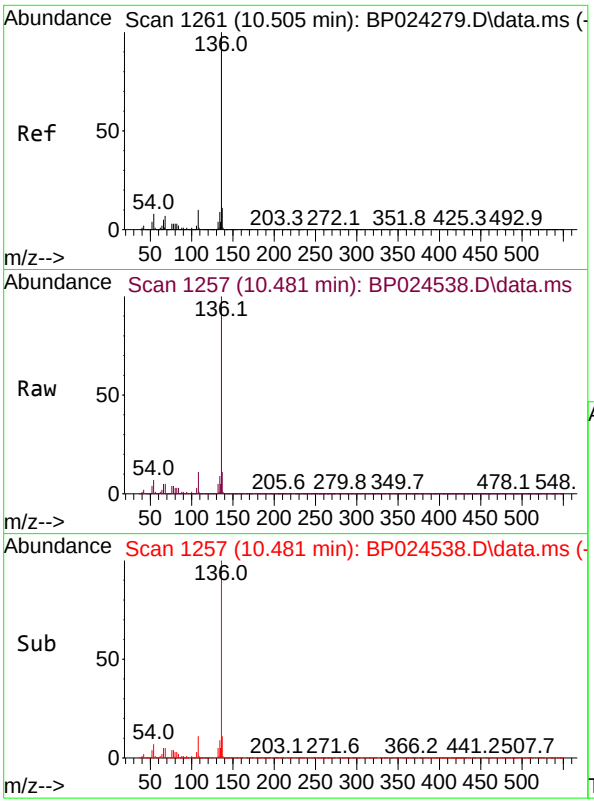


#20
3+4-Methylphenols
Concen: 37.844 ng
RT: 8.481 min Scan# 917
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:107 Resp: 407964

Ion	Ratio	Lower	Upper
107	100		
108	86.8	69.8	109.8
77	33.3	11.5	51.5
79	29.2	7.8	47.8



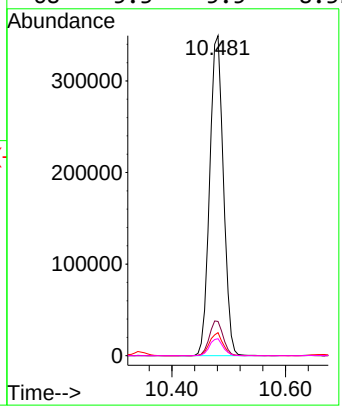


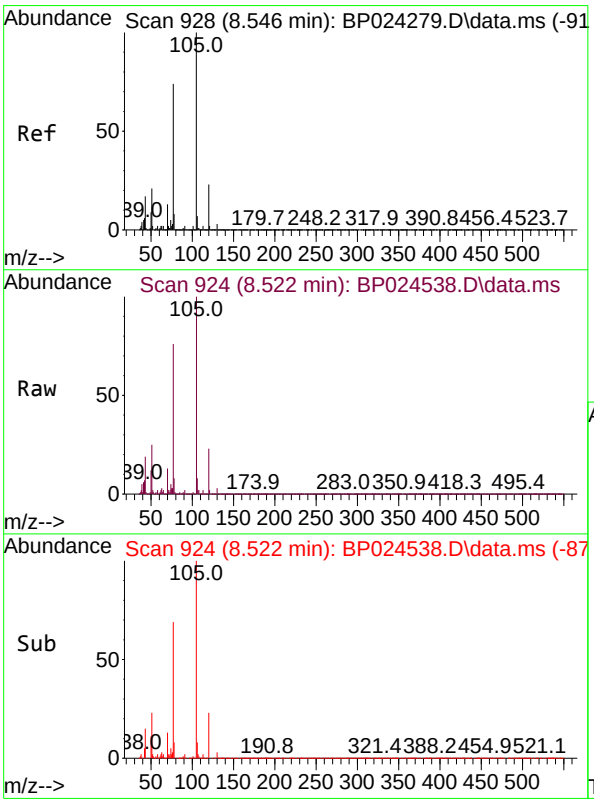
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.481 min Scan# 1
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:136 Resp: 583343

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	7.2	6.0	9.0
68	5.3	5.5	8.3#

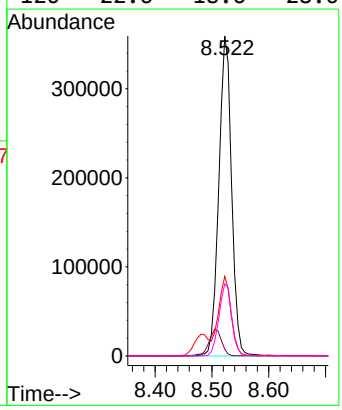


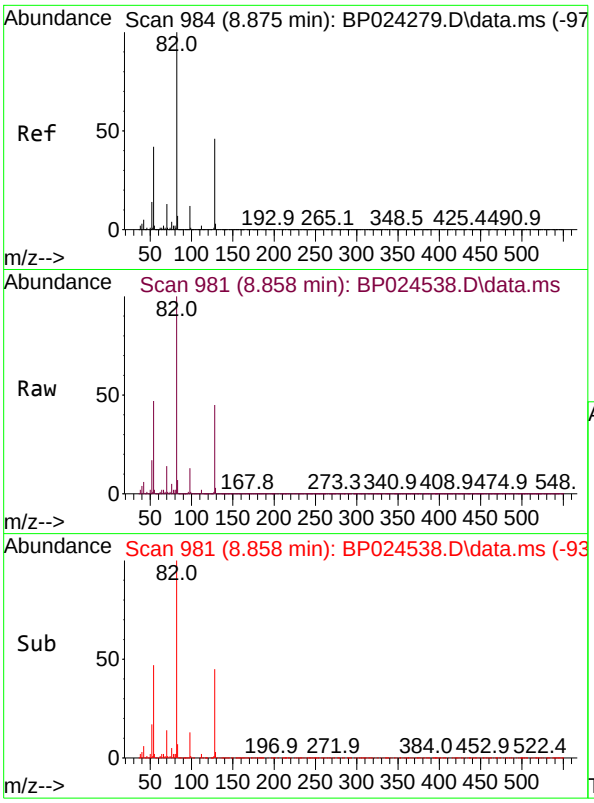


#22
Acetophenone
Concen: 38.995 ng
RT: 8.522 min Scan# 924
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:105 Resp: 563009

Ion	Ratio	Lower	Upper
105	100		
71	2.1	1.7	2.5
51	24.9	16.9	25.3
120	22.6	18.6	28.0



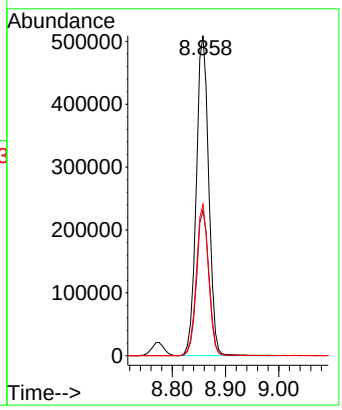


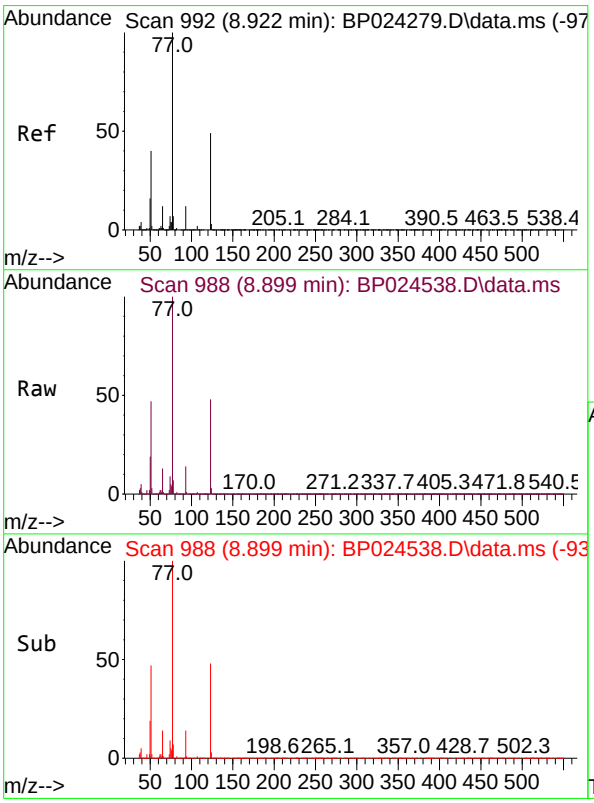
#23
Nitrobenzene-d5
Concen: 80.455 ng
RT: 8.858 min Scan# 9
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 823080

Ion	Ratio	Lower	Upper
82	100		
128	45.3	36.5	54.7
54	47.3	33.4	50.2

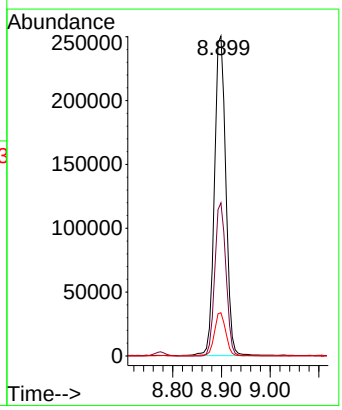


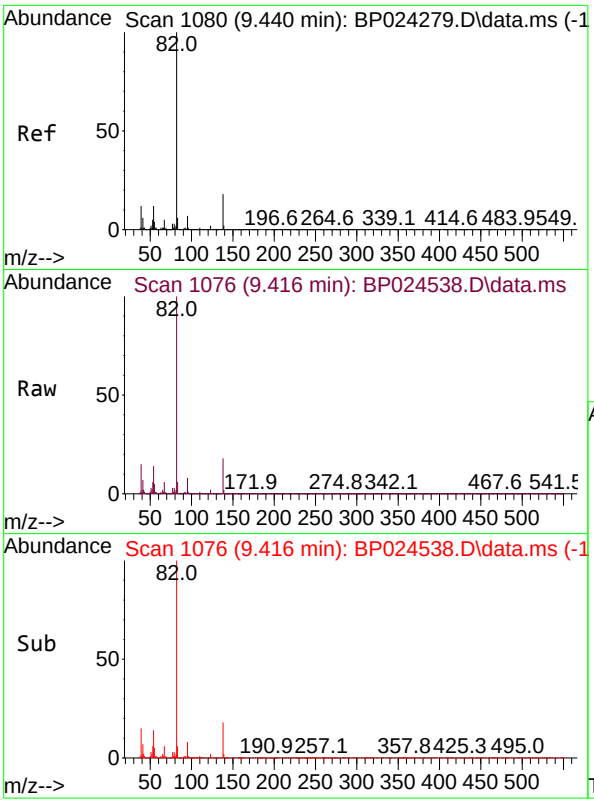


#24
Nitrobenzene
Concen: 39.960 ng
RT: 8.899 min Scan# 988
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion: 77 Resp: 404406

Ion	Ratio	Lower	Upper
77	100		
123	47.9	39.2	58.8
65	13.5	9.8	14.6



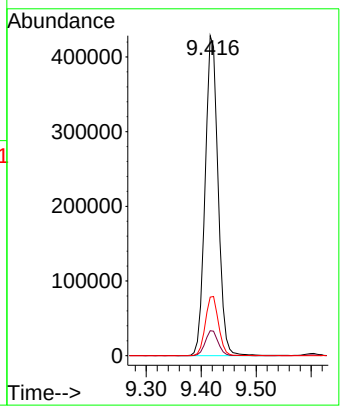


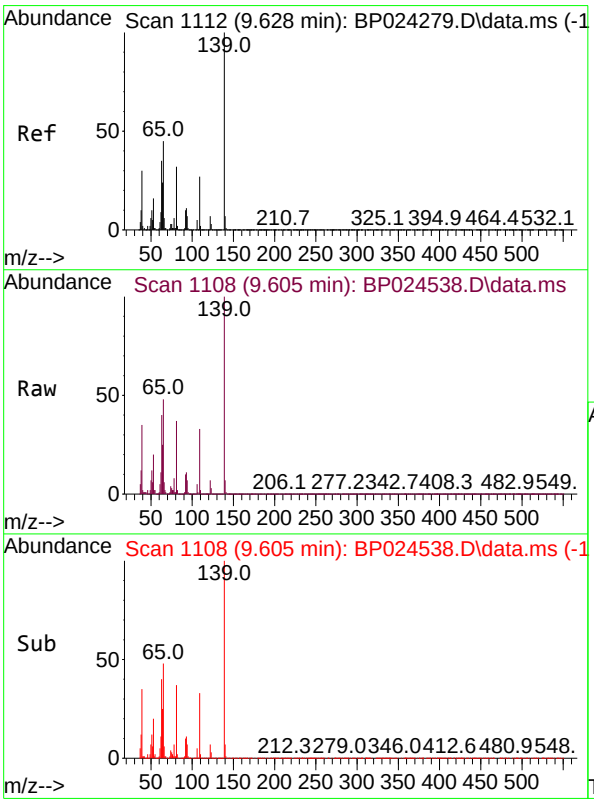
#25
Isophorone
Concen: 37.670 ng
RT: 9.416 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 697558

Ion	Ratio	Lower	Upper
82	100		
95	7.8	5.4	8.2
138	18.3	14.4	21.6

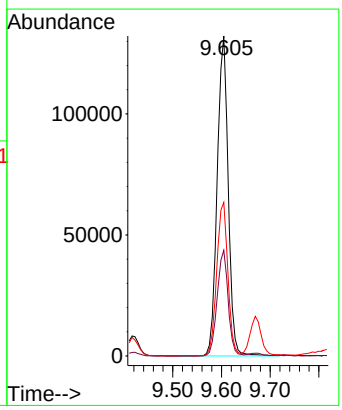


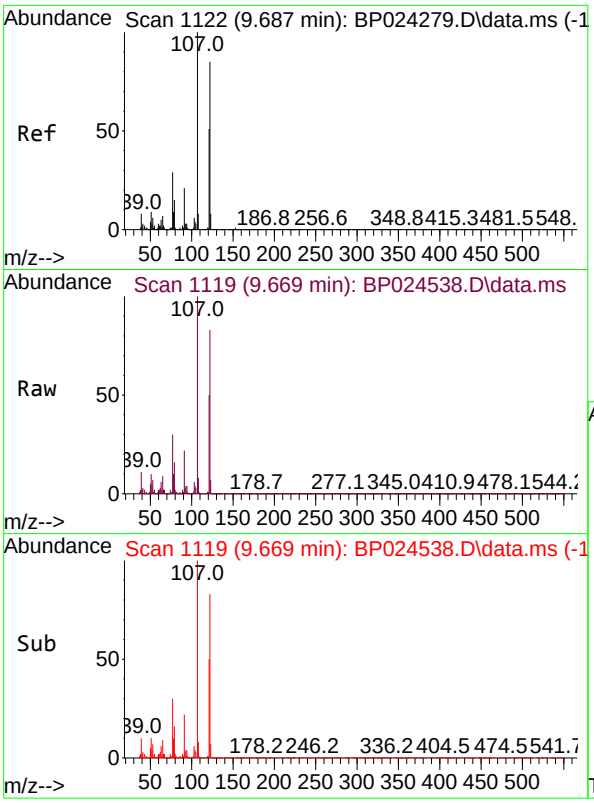


#26
2-Nitrophenol
Concen: 41.958 ng
RT: 9.605 min Scan# 1108
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:139 Resp: 207805

Ion	Ratio	Lower	Upper
139	100		
109	33.0	21.8	32.6#
65	48.0	36.2	54.2



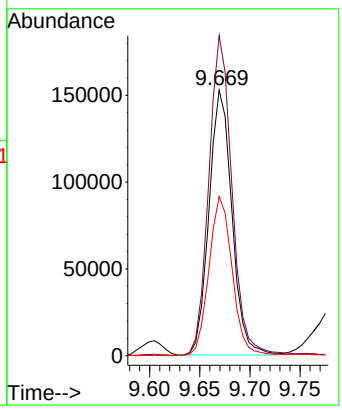


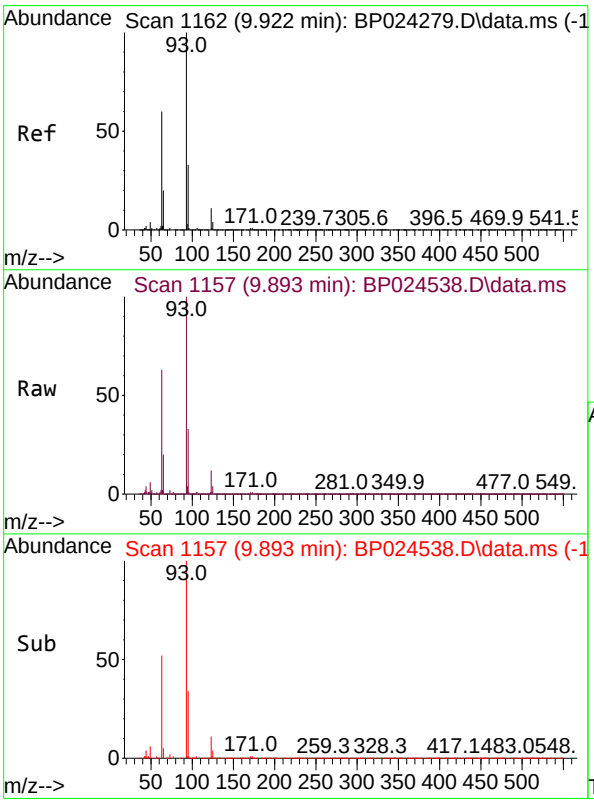
#27
2,4-Dimethylphenol
Concen: 39.175 ng
RT: 9.669 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:122 Resp: 243617

Ion	Ratio	Lower	Upper
122	100		
107	120.5	93.7	140.5
121	60.0	48.2	72.2

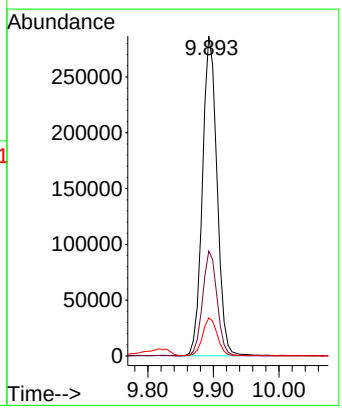


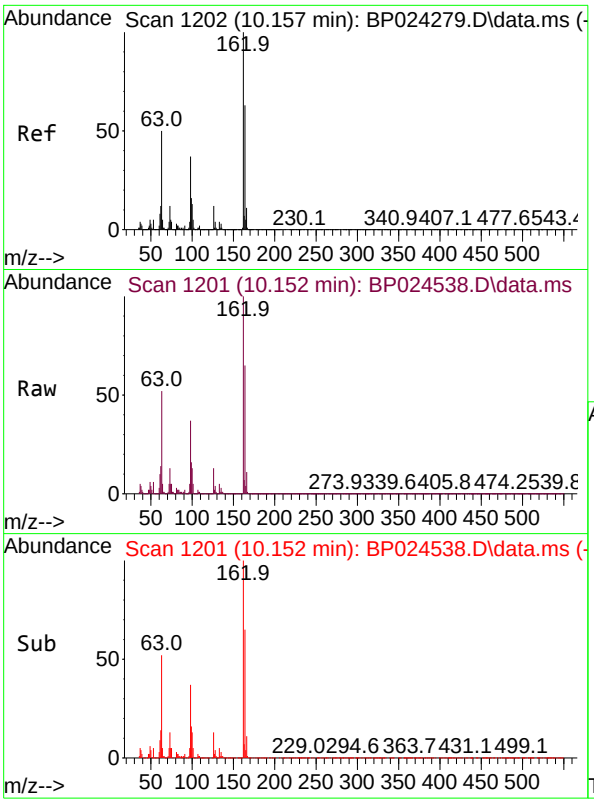


#28
bis(2-Chloroethoxy)methane
Concen: 35.548 ng
RT: 9.893 min Scan# 1157
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion: 93 Resp: 444676

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.0	39.0
123	11.9	9.1	13.7



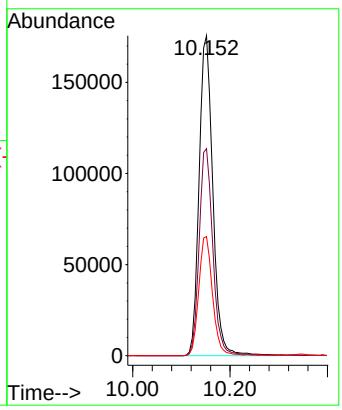


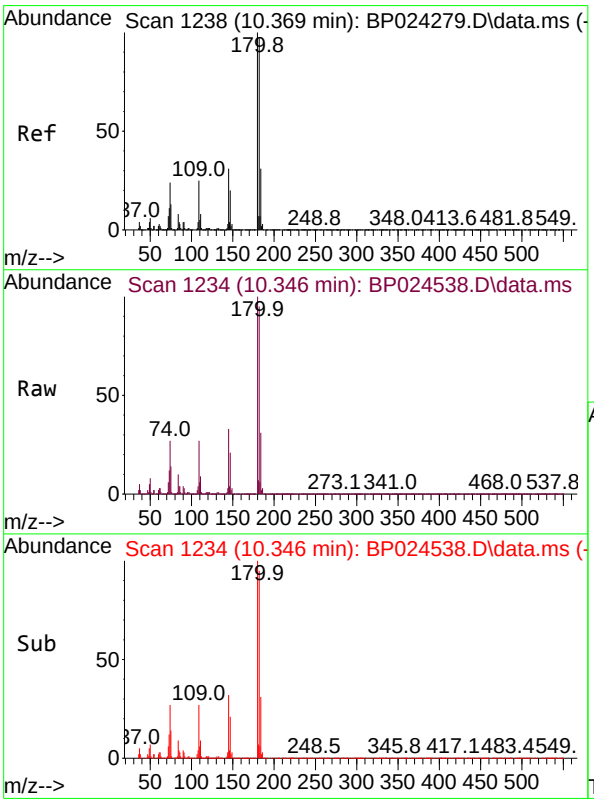
#29
2,4-Dichlorophenol
Concen: 40.639 ng
RT: 10.152 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 344580

Ion	Ratio	Lower	Upper
162	100		
164	64.7	43.3	83.3
98	37.2	16.6	56.6

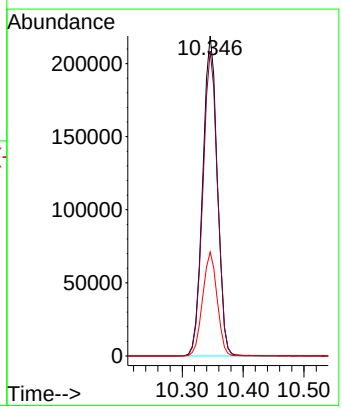


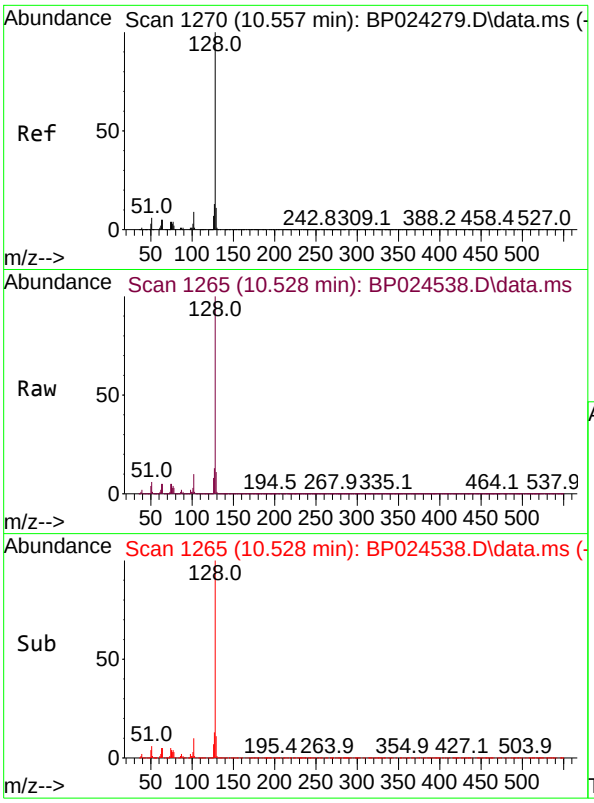


#30
1,2,4-Trichlorobenzene
Concen: 40.122 ng
RT: 10.346 min Scan# 1234
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:180 Resp: 364501

Ion	Ratio	Lower	Upper
180	100		
182	95.3	77.3	115.9
145	32.5	25.1	37.7



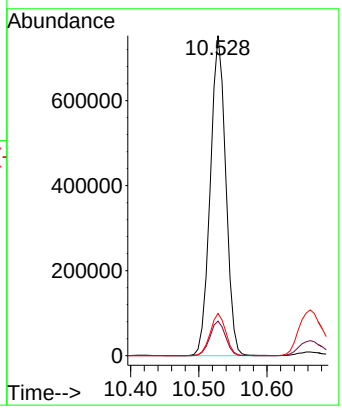


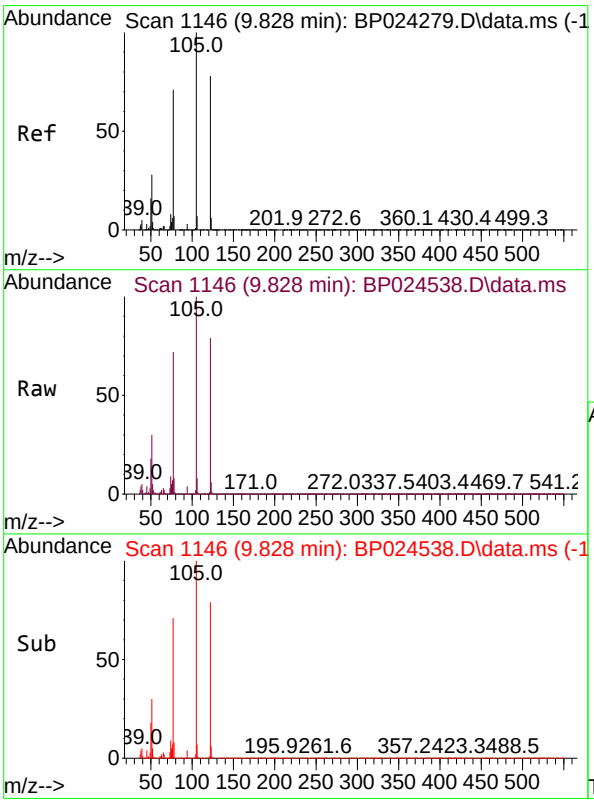
#31
Naphthalene
Concen: 38.650 ng
RT: 10.528 min Scan# 1
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:128 Resp: 1187661

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	13.2	10.3	15.5

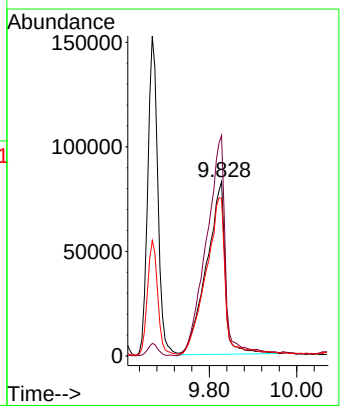


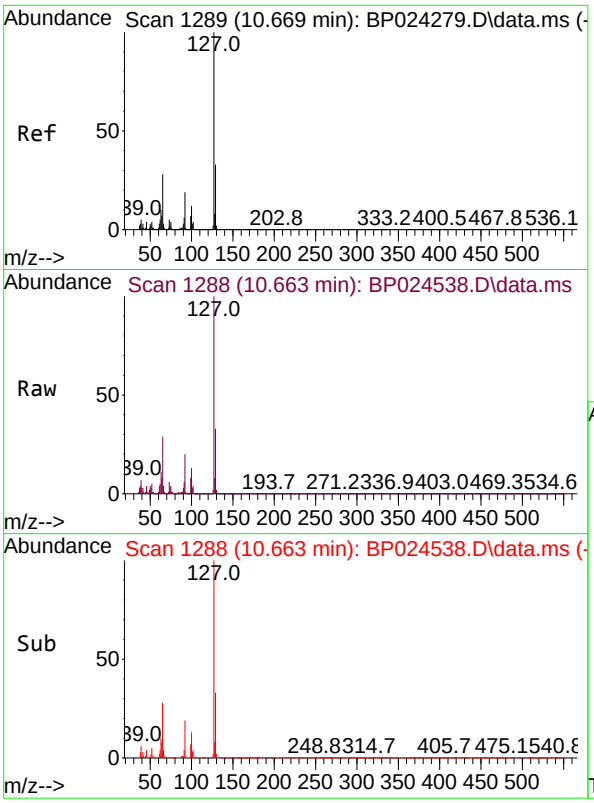


#32
Benzoic acid
Concen: 33.686 ng
RT: 9.828 min Scan# 1146
Delta R.T. 0.006 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:122 Resp: 244090

Ion	Ratio	Lower	Upper
122	100		
105	126.6	104.8	144.8
77	90.7	69.2	109.2



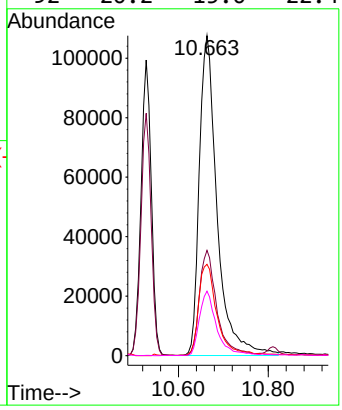


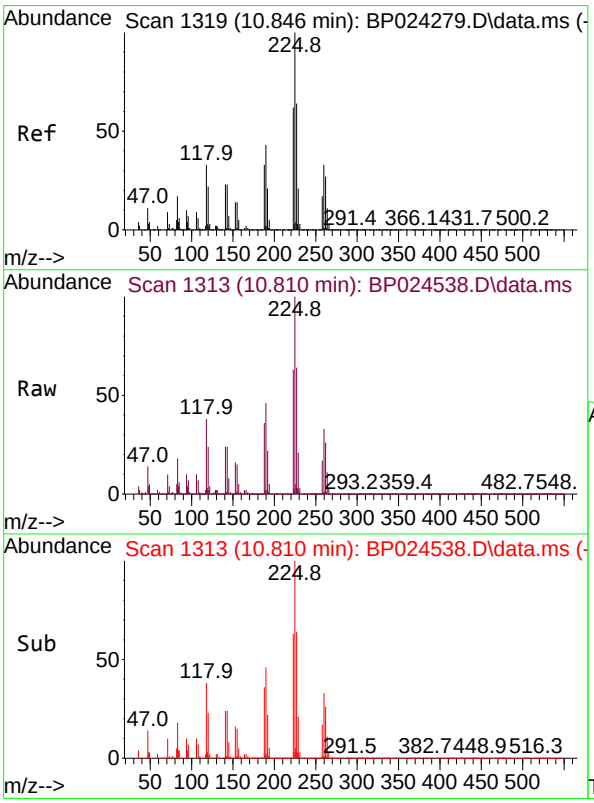
#33
4-Chloroaniline
Concen: 27.396 ng
RT: 10.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:127 Resp: 296461

Ion	Ratio	Lower	Upper
127	100		
129	32.9	26.1	39.1
65	28.5	22.1	33.1
92	20.2	15.0	22.4

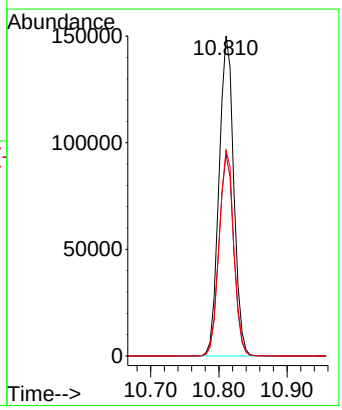


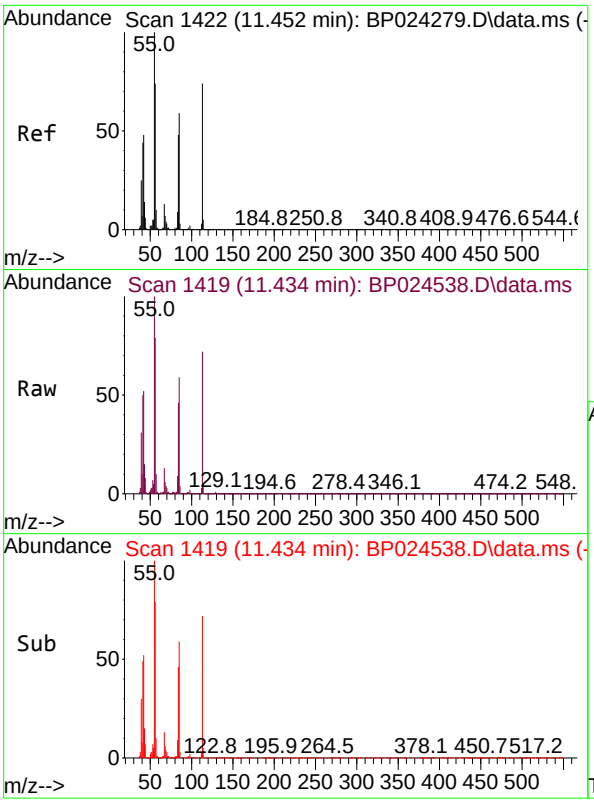


#34
Hexachlorobutadiene
Concen: 42.129 ng
RT: 10.810 min Scan# 1313
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:225 Resp: 224906

Ion	Ratio	Lower	Upper
225	100		
223	63.0	49.5	74.3
227	64.3	50.9	76.3



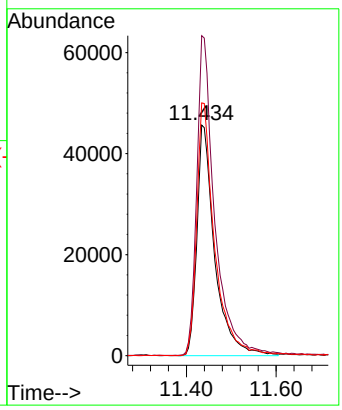


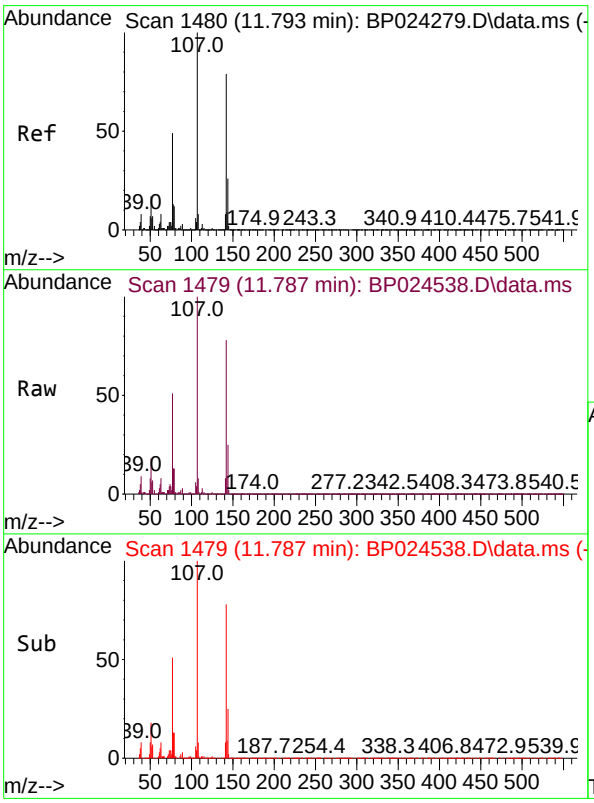
#35
Caprolactam
Concen: 40.077 ng
RT: 11.434 min Scan# 14
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:113 Resp: 125386

Ion	Ratio	Lower	Upper
113	100		
55	138.7	115.9	155.9
56	109.6	81.1	121.1

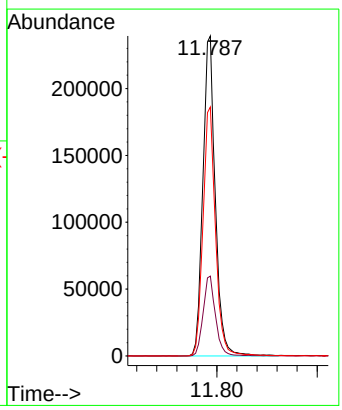


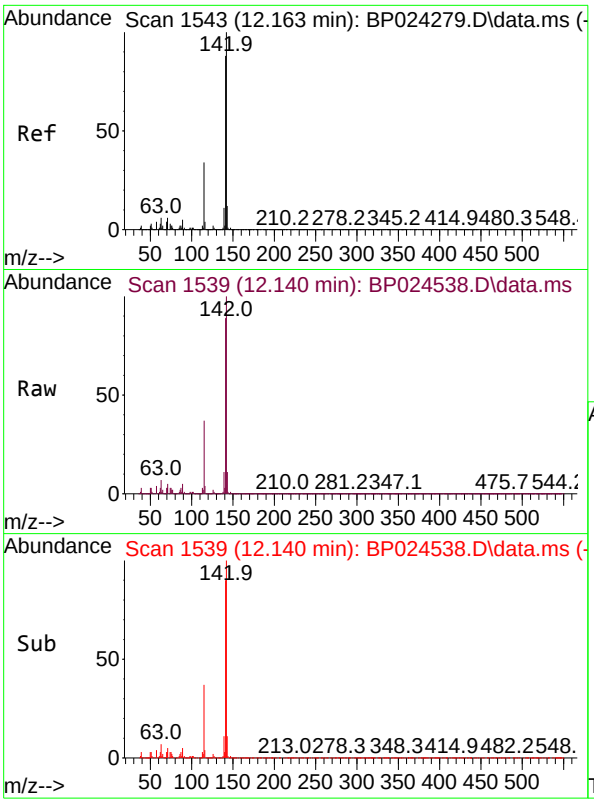


#36
4-Chloro-3-methylphenol
Concen: 41.633 ng
RT: 11.787 min Scan# 1479
Delta R.T. -0.006 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:107 Resp: 411177

Ion	Ratio	Lower	Upper
107	100		
144	25.0	20.5	30.7
142	77.8	63.4	95.2



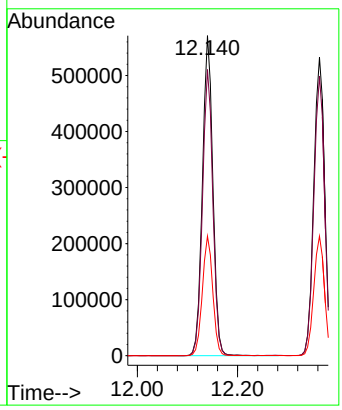


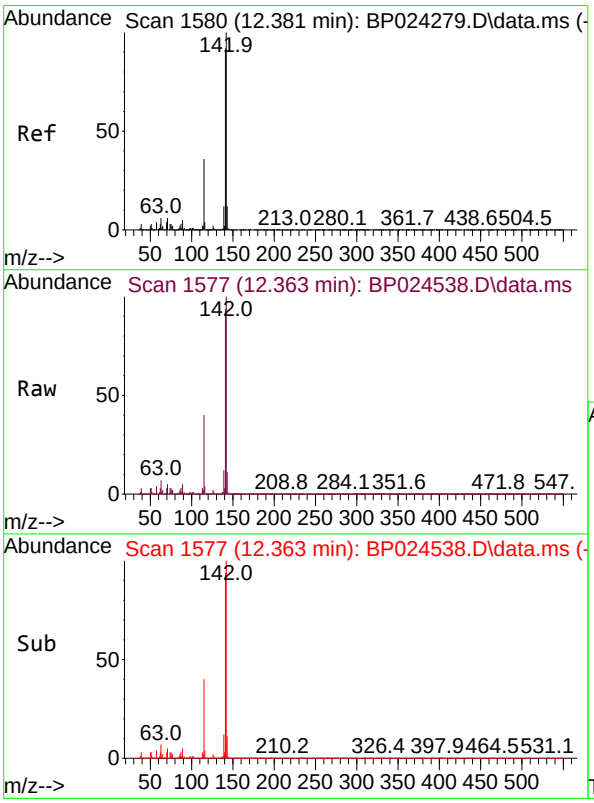
#37
2-Methylnaphthalene
Concen: 38.737 ng
RT: 12.140 min Scan# 1
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:142 Resp: 825520

Ion	Ratio	Lower	Upper
142	100		
141	89.4	70.3	105.5
115	37.3	26.9	40.3

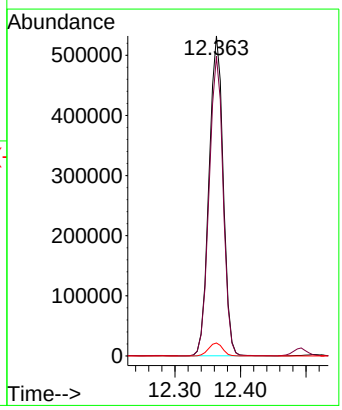


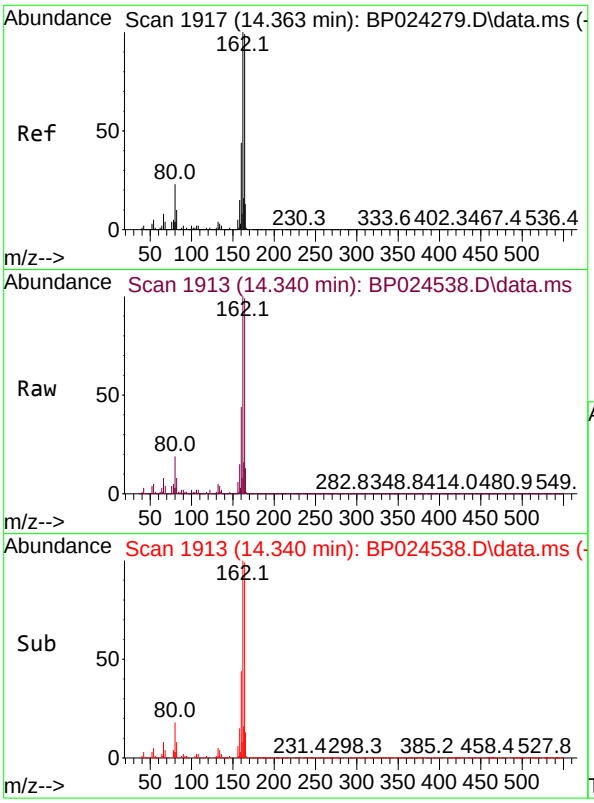


#38
1-Methylnaphthalene
Concen: 38.212 ng
RT: 12.363 min Scan# 1577
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:142 Resp: 796632

Ion	Ratio	Lower	Upper
142	100		
141	93.6	73.6	110.4
116	4.0	3.0	4.6



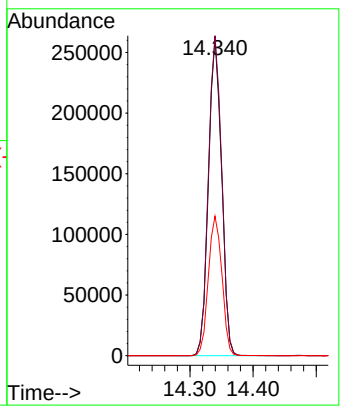


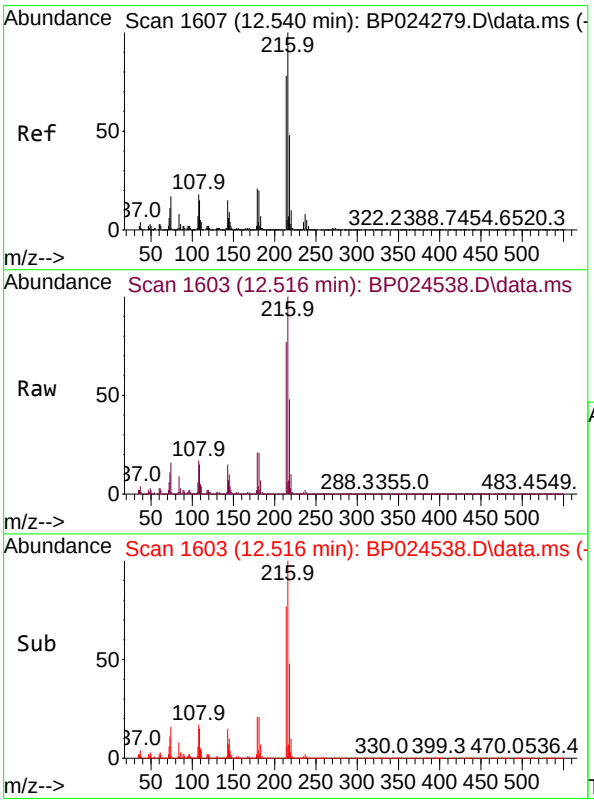
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.340 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:164 Resp: 378766

Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.6	120.8
160	44.0	35.3	52.9

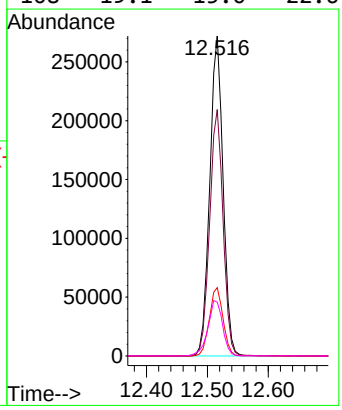


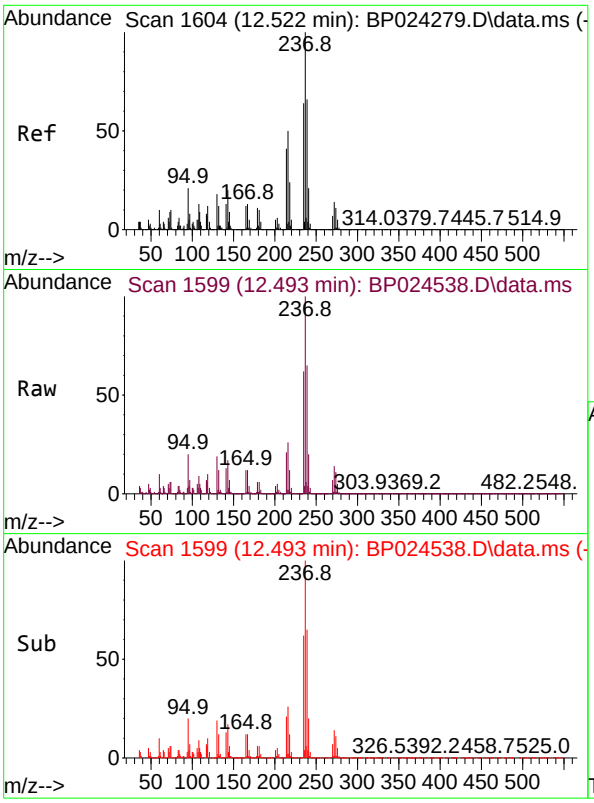


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.705 ng
RT: 12.516 min Scan# 1603
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:216 Resp: 413571

Ion	Ratio	Lower	Upper
216	100		
214	77.6	62.6	93.8
179	22.0	17.2	25.8
108	19.1	15.0	22.6



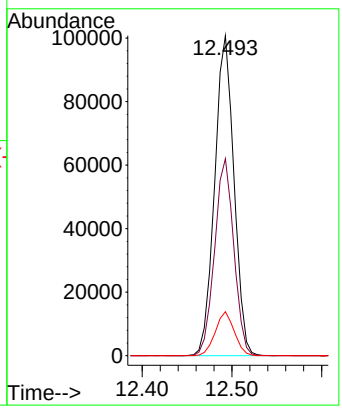


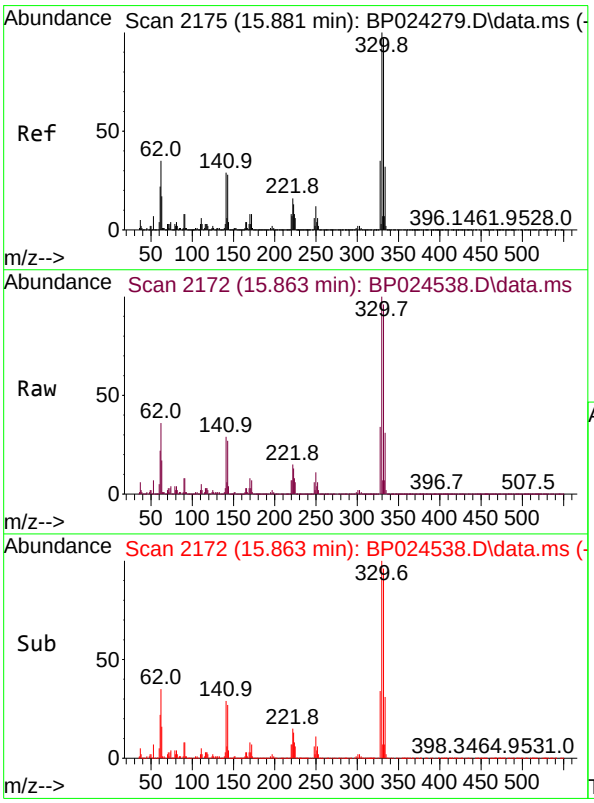
#41
Hexachlorocyclopentadiene
Concen: 40.904 ng
RT: 12.493 min Scan# 1
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:237 Resp: 150687

Ion	Ratio	Lower	Upper
237	100		
235	61.6	43.9	83.9
272	13.8	0.0	33.6

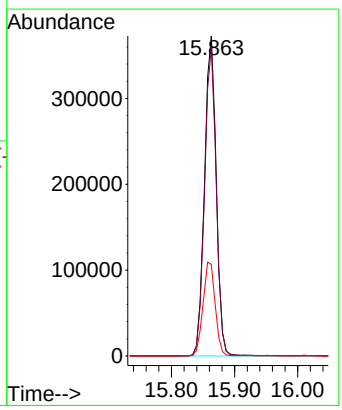


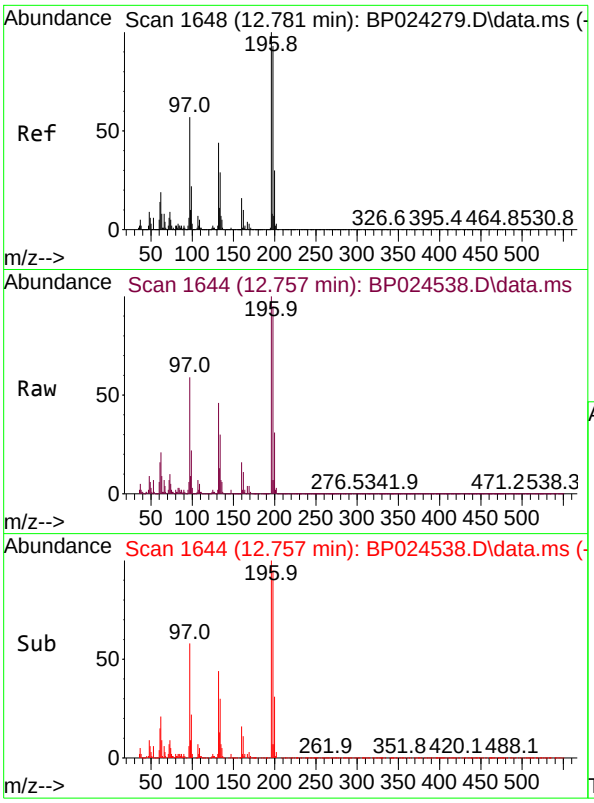


#42
2,4,6-Tribromophenol
Concen: 91.806 ng
RT: 15.863 min Scan# 2172
Delta R.T. 0.000 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:330 Resp: 481102

Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.1	115.7
141	30.6	24.7	37.1



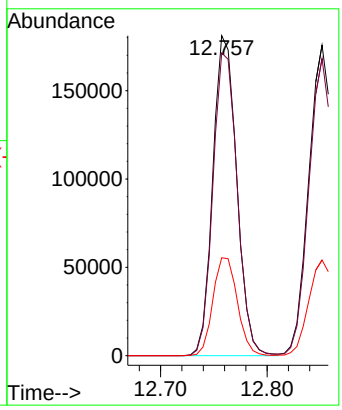


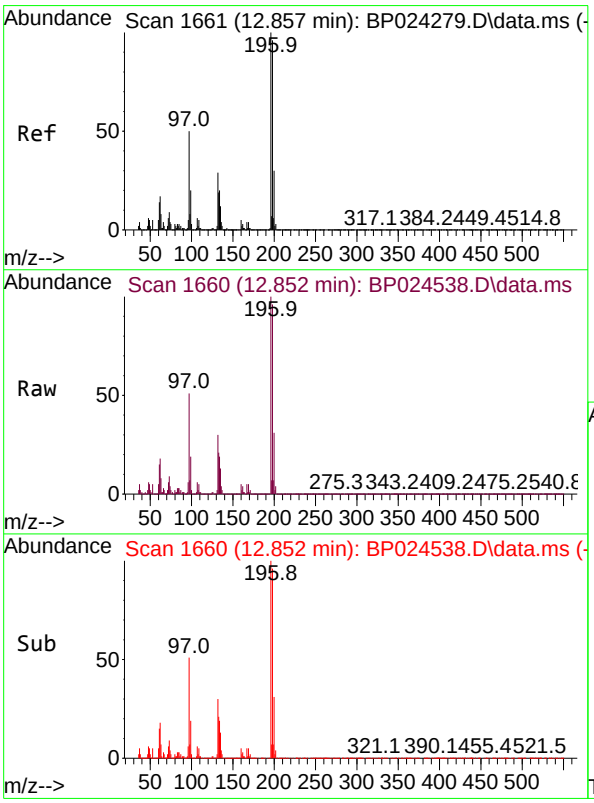
#43
2,4,6-Trichlorophenol
Concen: 40.738 ng
RT: 12.757 min Scan# 1
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:196 Resp: 282121

Ion	Ratio	Lower	Upper
196	100		
198	94.6	74.3	111.5
200	30.6	24.0	36.0

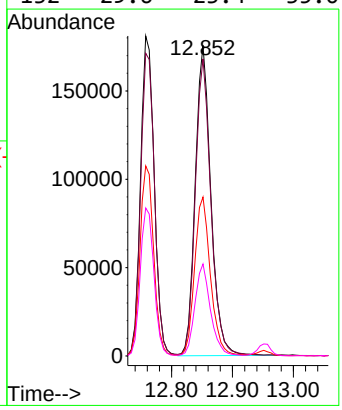


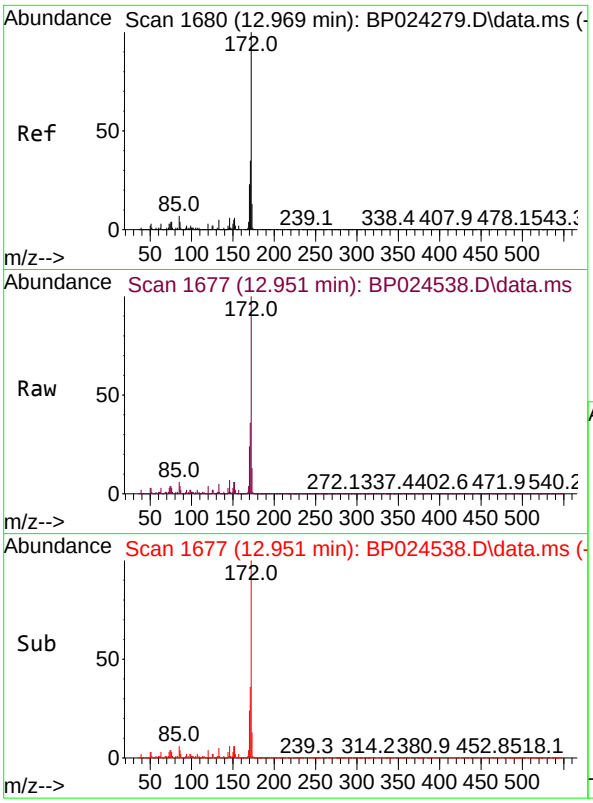


#44
2,4,5-Trichlorophenol
Concen: 41.016 ng
RT: 12.852 min Scan# 1660
Delta R.T. -0.006 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:196 Resp: 314542

Ion	Ratio	Lower	Upper
196	100		
198	95.7	77.3	115.9
97	51.2	40.4	60.6
132	29.6	23.4	35.0



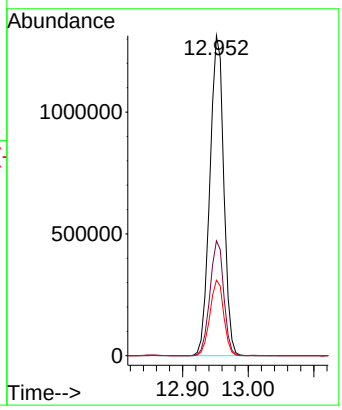


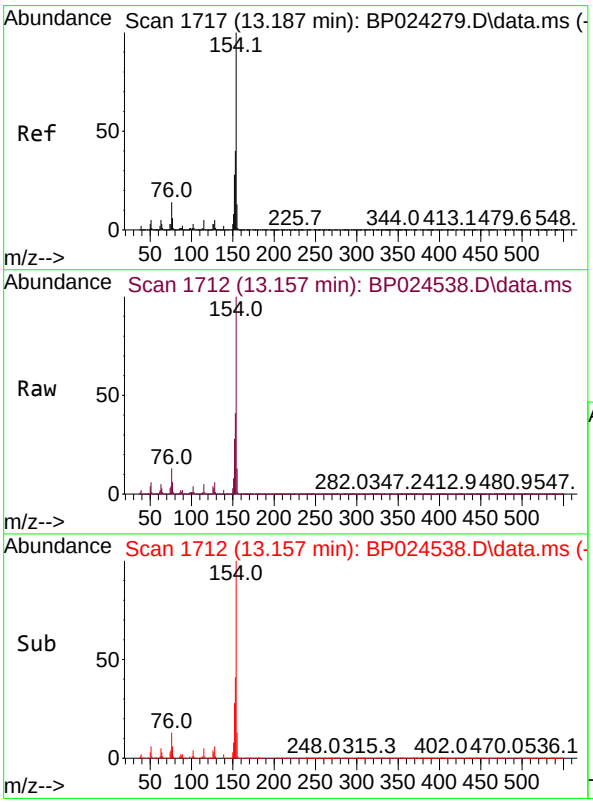
#45
2-Fluorobiphenyl
Concen: 78.174 ng
RT: 12.951 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:172 Resp: 1933866

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.2	42.2
170	23.6	18.6	27.8

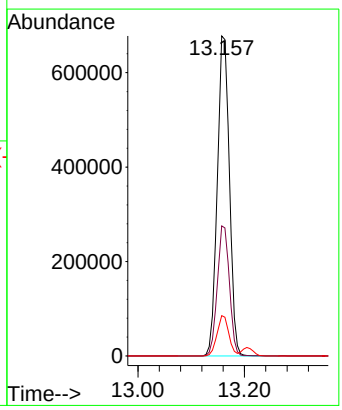


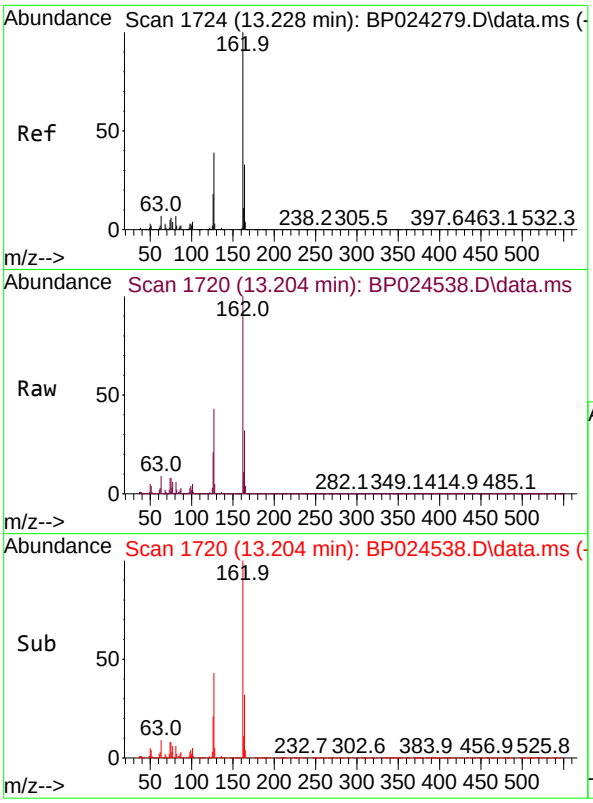


#46
1,1'-Biphenyl
Concen: 38.299 ng
RT: 13.157 min Scan# 1712
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:154 Resp: 1066305

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.3	60.3
76	12.6	0.0	33.5



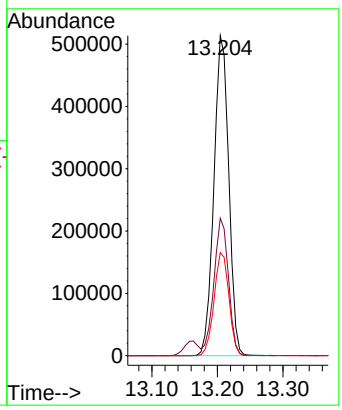


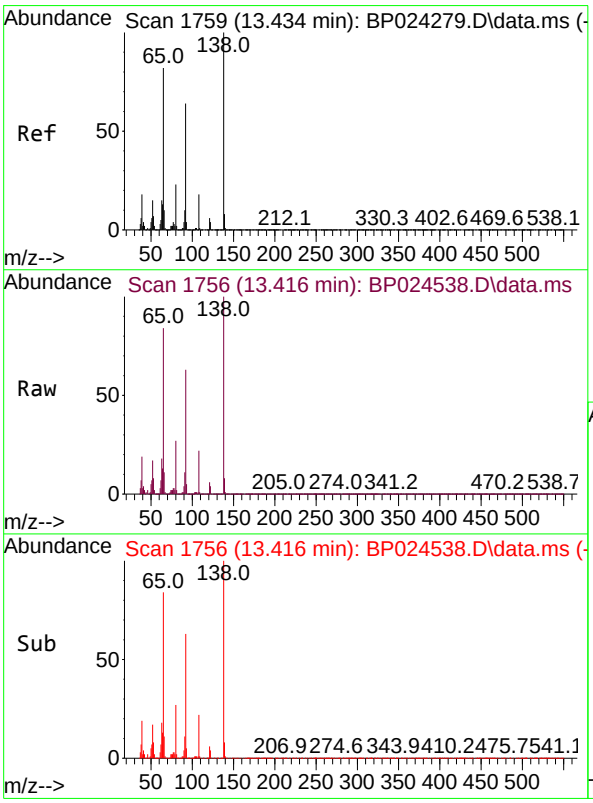
#47
2-Chloronaphthalene
Concen: 38.636 ng
RT: 13.204 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 803949

Ion	Ratio	Lower	Upper
162	100		
127	43.0	31.9	47.9
164	32.2	26.2	39.4

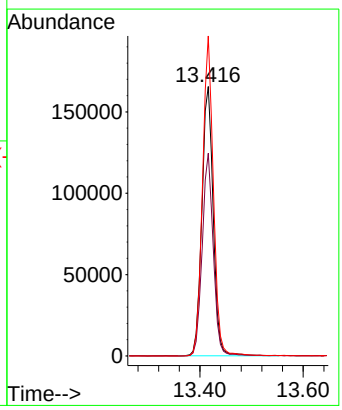


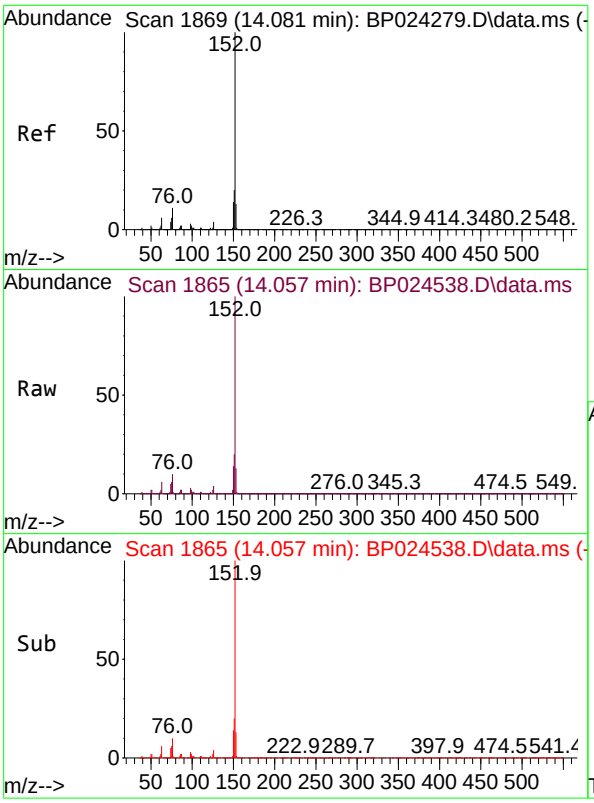


#48
2-Nitroaniline
Concen: 43.129 ng
RT: 13.416 min Scan# 1756
Delta R.T. -0.006 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion: 65 Resp: 251733

Ion	Ratio	Lower	Upper
65	100		
92	75.3	62.3	93.5
138	118.8	97.2	145.8



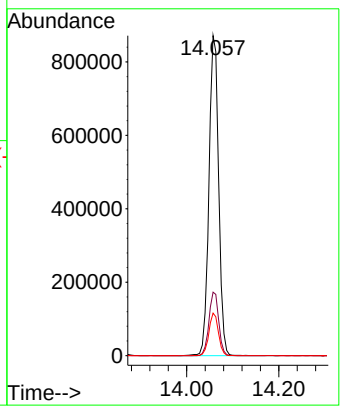


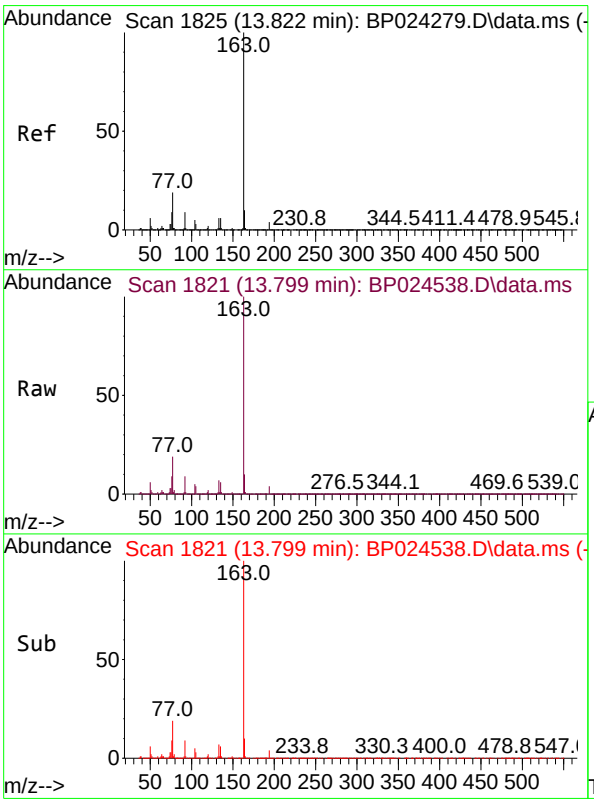
#49
Acenaphthylene
Concen: 38.900 ng
RT: 14.057 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 1274393

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.3	10.6	15.8

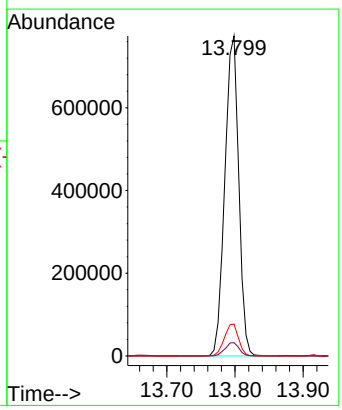


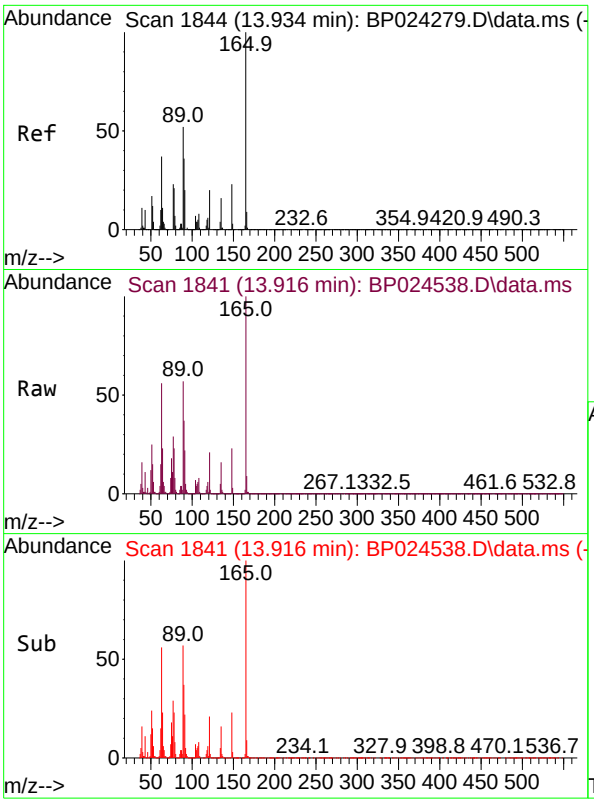


#50
Dimethylphthalate
Concen: 39.837 ng
RT: 13.799 min Scan# 1821
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:163 Resp: 1097300

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.5	5.3
164	10.0	8.0	12.0



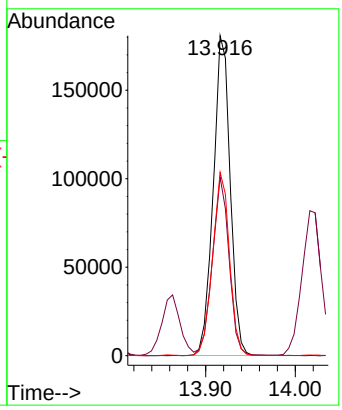


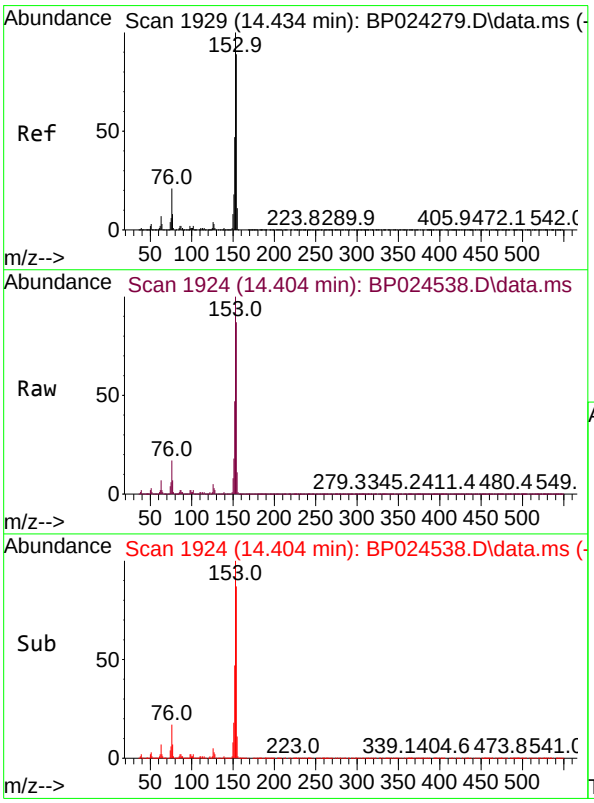
#51
2,6-Dinitrotoluene
Concen: 40.451 ng
RT: 13.916 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 236598

Ion	Ratio	Lower	Upper
165	100		
63	55.8	38.0	57.0
89	57.3	41.7	62.5

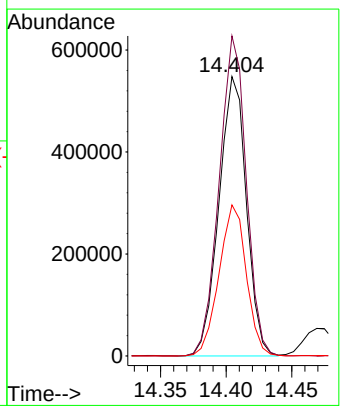


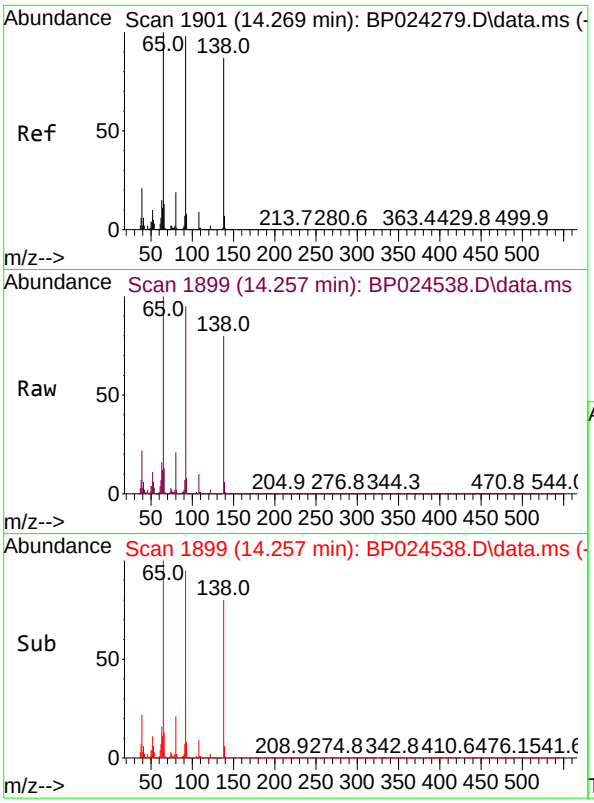


#52
Acenaphthene
Concen: 38.394 ng
RT: 14.404 min Scan# 1924
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:154 Resp: 797423

Ion	Ratio	Lower	Upper
154	100		
153	114.5	89.8	134.6
152	54.1	42.6	63.8



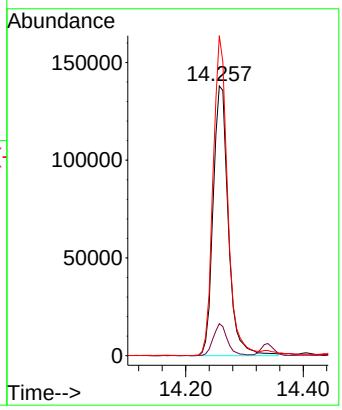


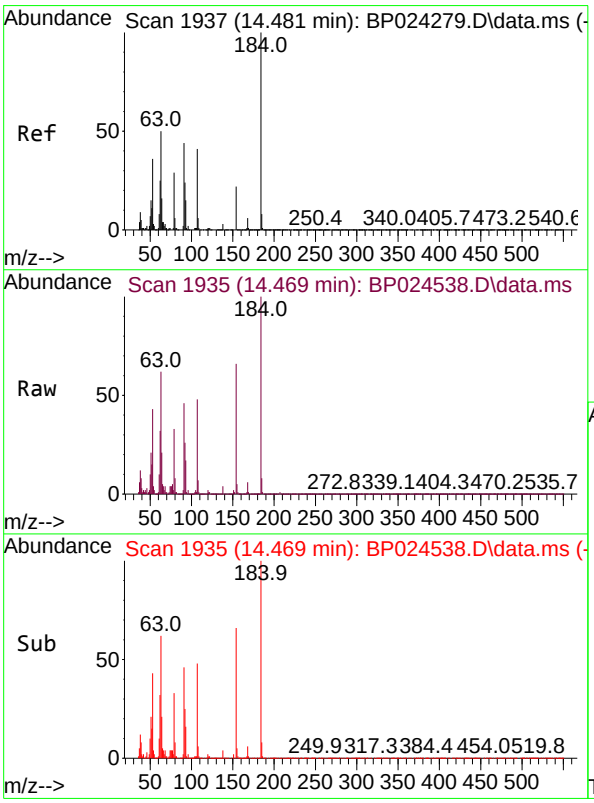
#53
3-Nitroaniline
Concen: 40.307 ng
RT: 14.257 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:138 Resp: 247785

Ion	Ratio	Lower	Upper
138	100		
108	11.9	8.3	12.5
92	118.6	89.8	134.8

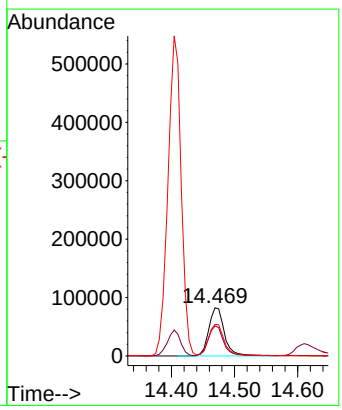


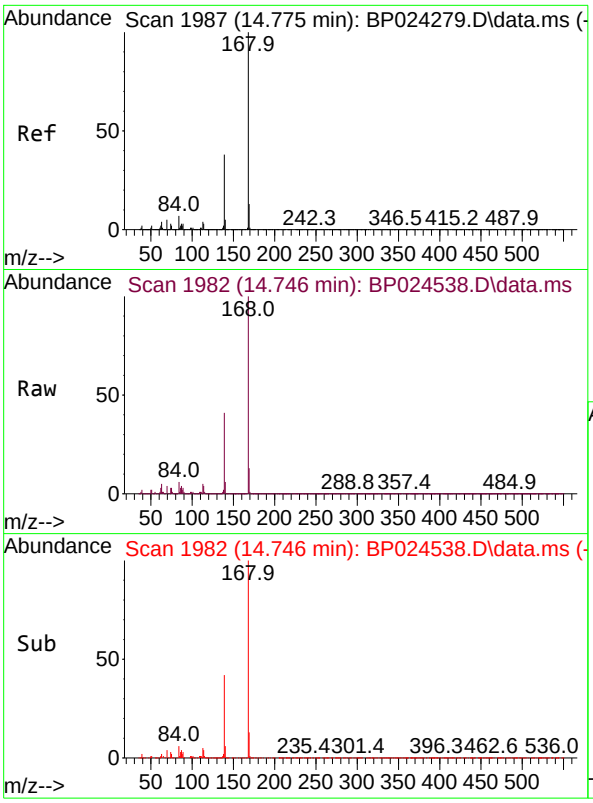


#54
2,4-Dinitrophenol
Concen: 41.385 ng
RT: 14.469 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:184 Resp: 142586

Ion	Ratio	Lower	Upper
184	100		
63	62.4	42.6	64.0
154	65.7	47.2	70.8



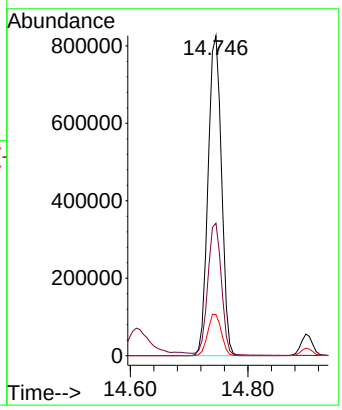


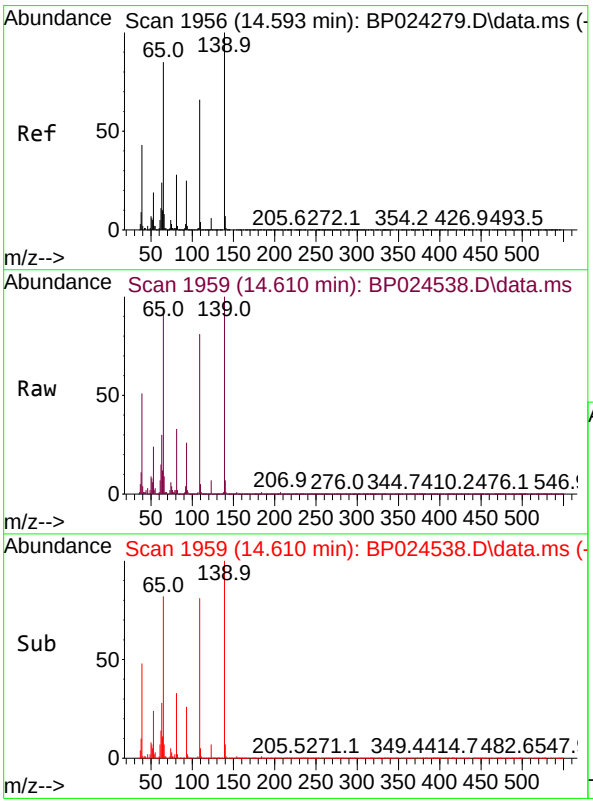
#55
Dibenzofuran
Concen: 38.583 ng
RT: 14.746 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:168 Resp: 1309872

Ion	Ratio	Lower	Upper
168	100		
139	41.4	30.3	45.5
169	12.9	10.6	16.0

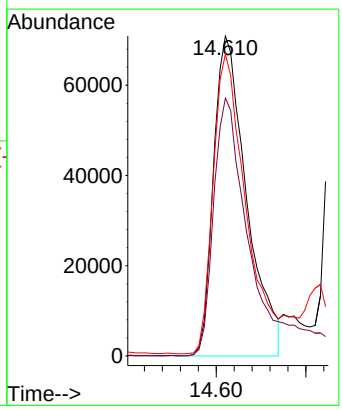


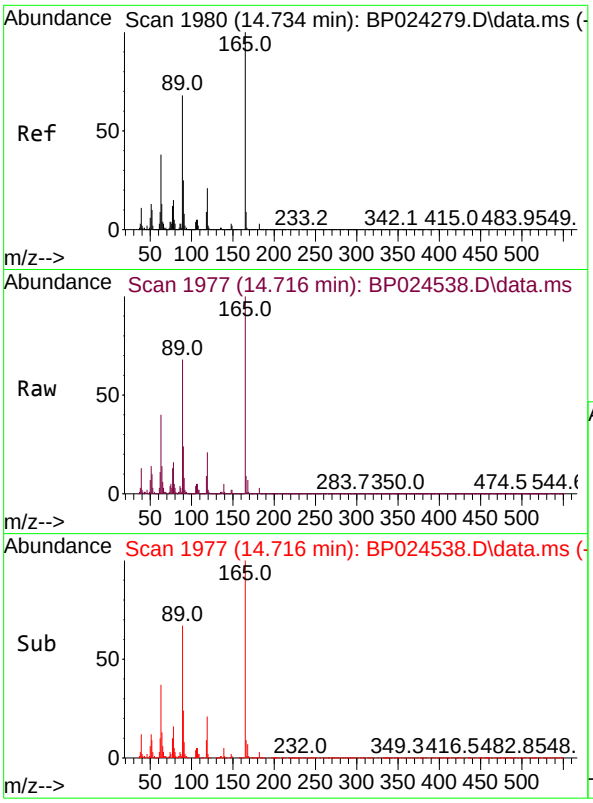


#56
4-Nitrophenol
Concen: 34.052 ng
RT: 14.610 min Scan# 1959
Delta R.T. 0.018 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:139 Resp: 180790

Ion	Ratio	Lower	Upper
139	100		
109	80.6	46.1	86.1
65	94.4	65.0	105.0



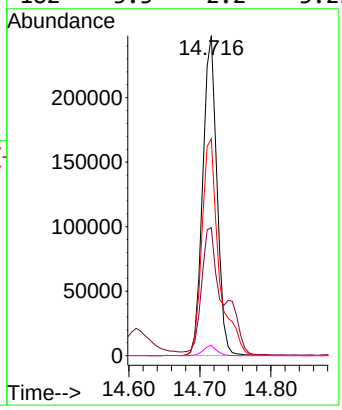


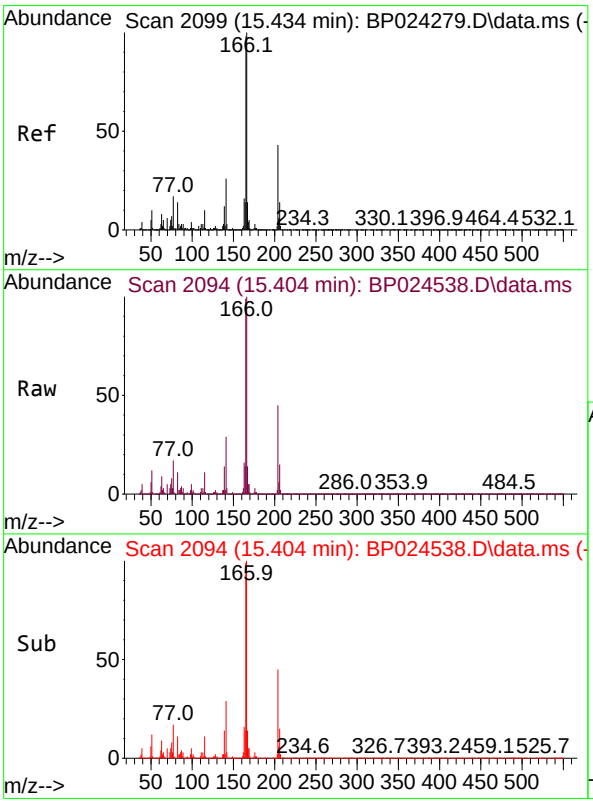
#57
2,4-Dinitrotoluene
Concen: 43.257 ng
RT: 14.716 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 345139

Ion	Ratio	Lower	Upper
165	100		
63	40.0	30.4	45.6
89	67.8	54.6	82.0
182	3.3	2.2	3.2#

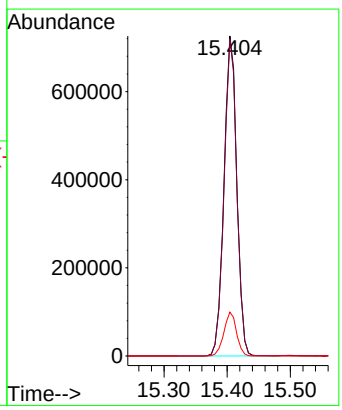


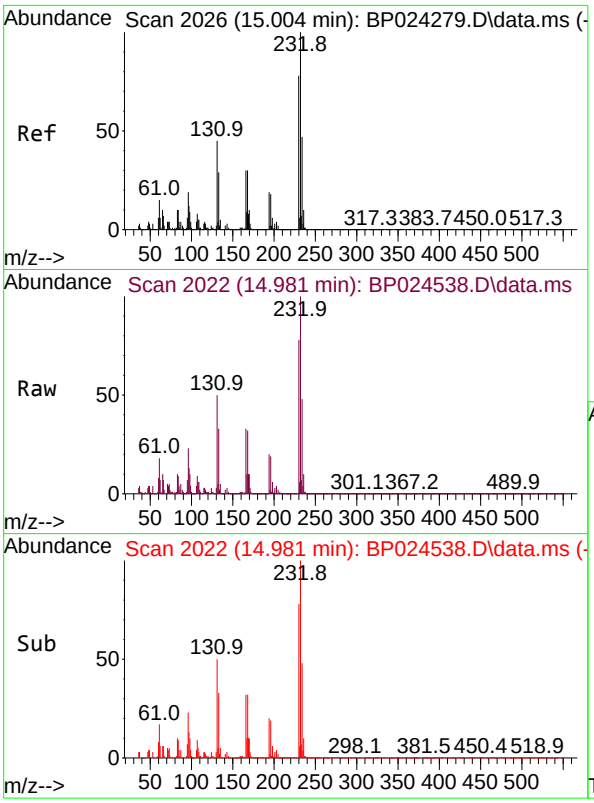


#58
Fluorene
Concen: 38.874 ng
RT: 15.404 min Scan# 2094
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:166 Resp: 1021639

Ion	Ratio	Lower	Upper
166	100		
165	99.1	78.1	117.1
167	13.7	10.9	16.3



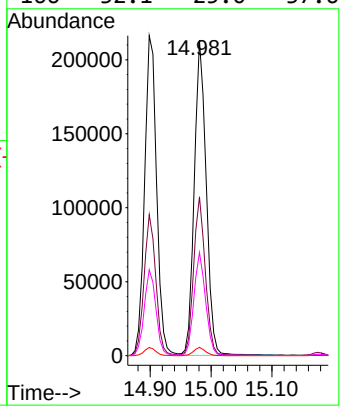


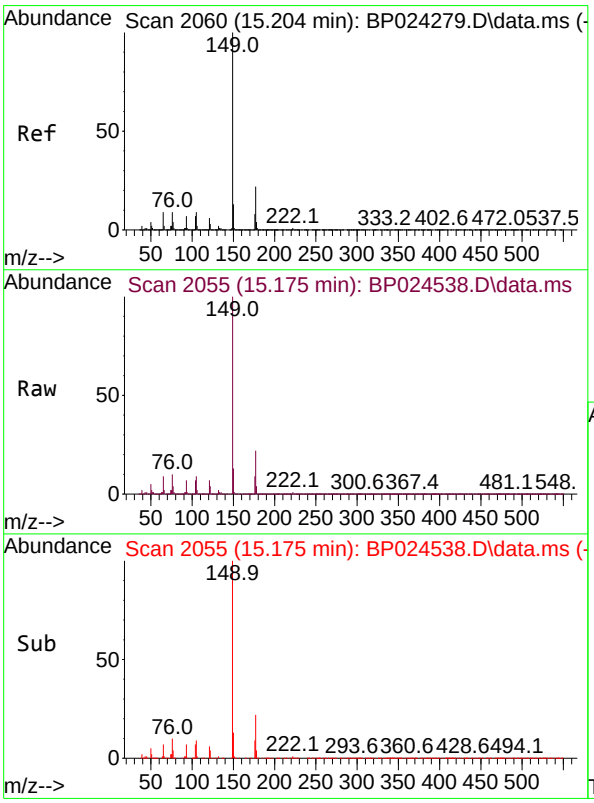
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.024 ng
RT: 14.981 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:232 Resp: 290161

Ion	Ratio	Lower	Upper
232	100		
131	49.4	36.8	55.2
130	2.6	1.9	2.9
166	32.1	25.0	37.6

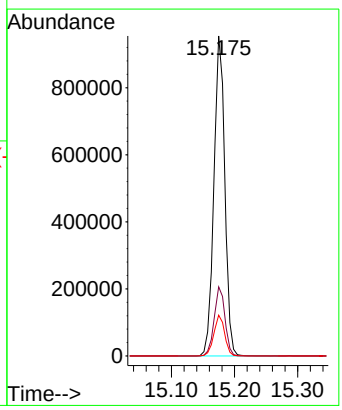


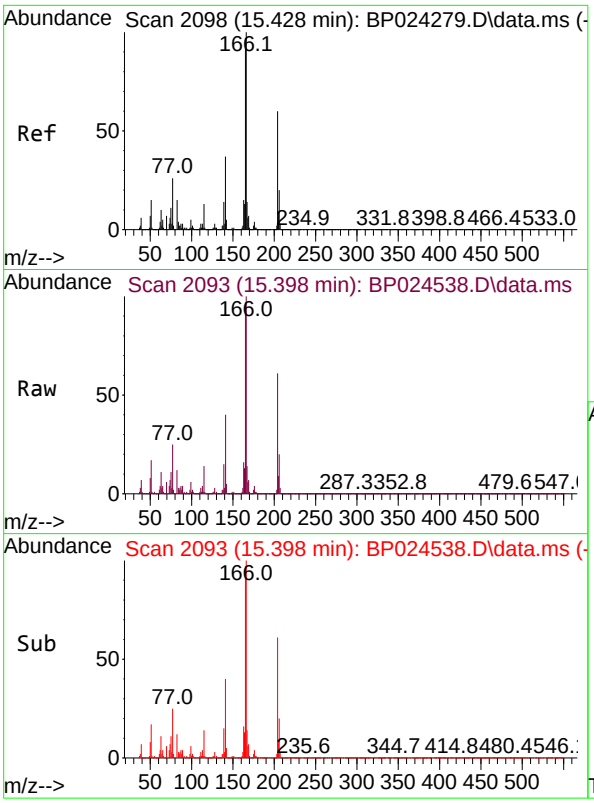


#60
Diethylphthalate
Concen: 40.162 ng
RT: 15.175 min Scan# 2055
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:149 Resp: 1140003

Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.4	26.2
150	12.7	10.1	15.1



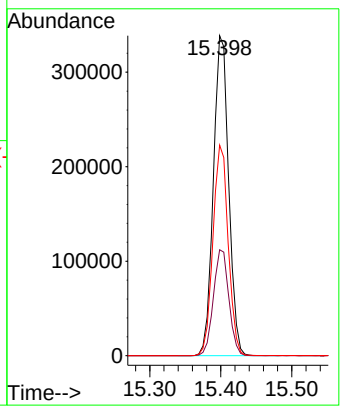


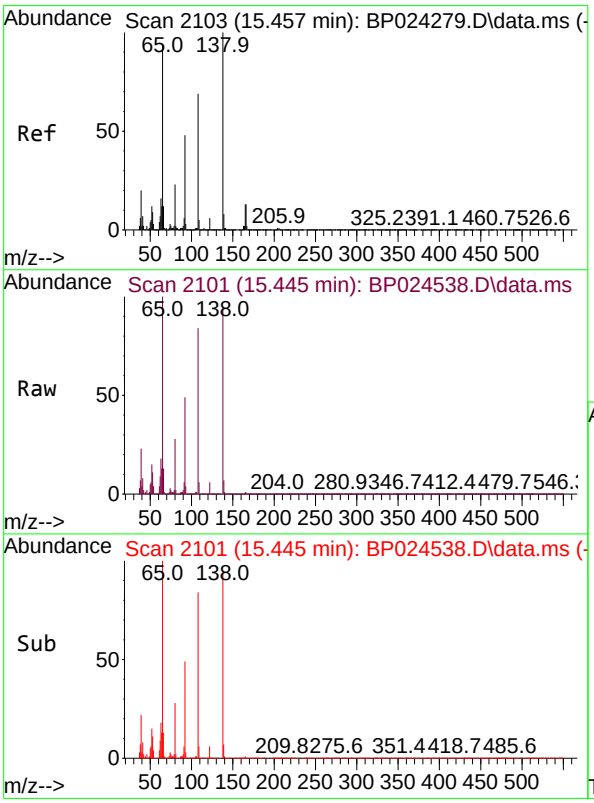
#61
4-Chlorophenyl-phenylether
Concen: 39.526 ng
RT: 15.398 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:204 Resp: 504440

Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.5	39.7
141	65.8	49.4	74.0

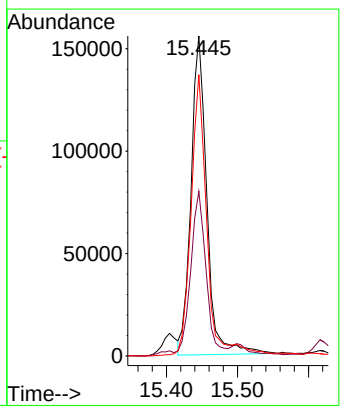


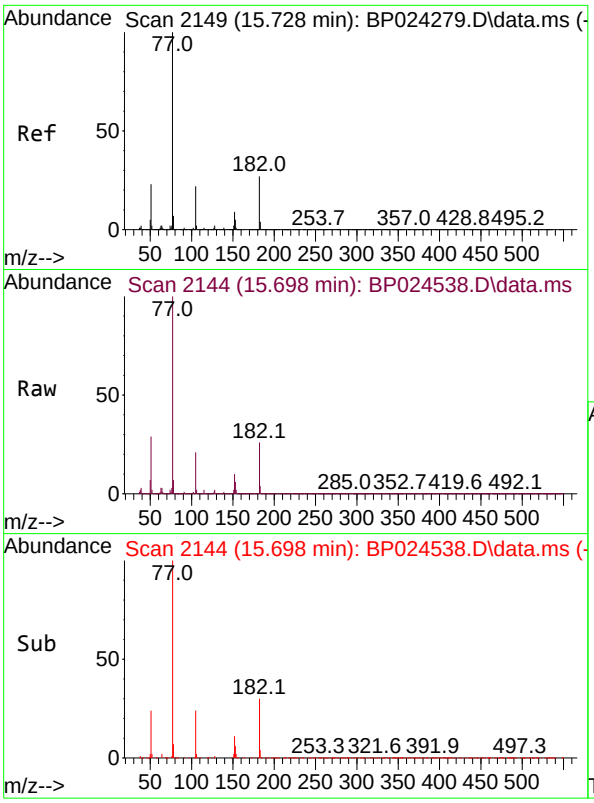


#62
4-Nitroaniline
Concen: 37.109 ng
RT: 15.445 min Scan# 2101
Delta R.T. 0.006 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:138 Resp: 241494

Ion	Ratio	Lower	Upper
138	100		
92	51.5	27.8	67.8
108	87.9	48.9	88.9



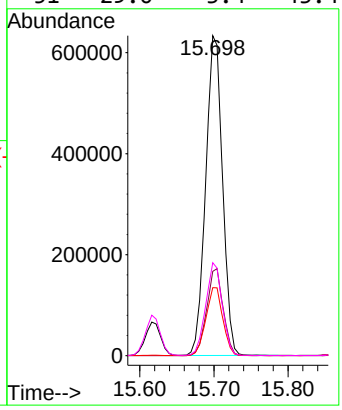


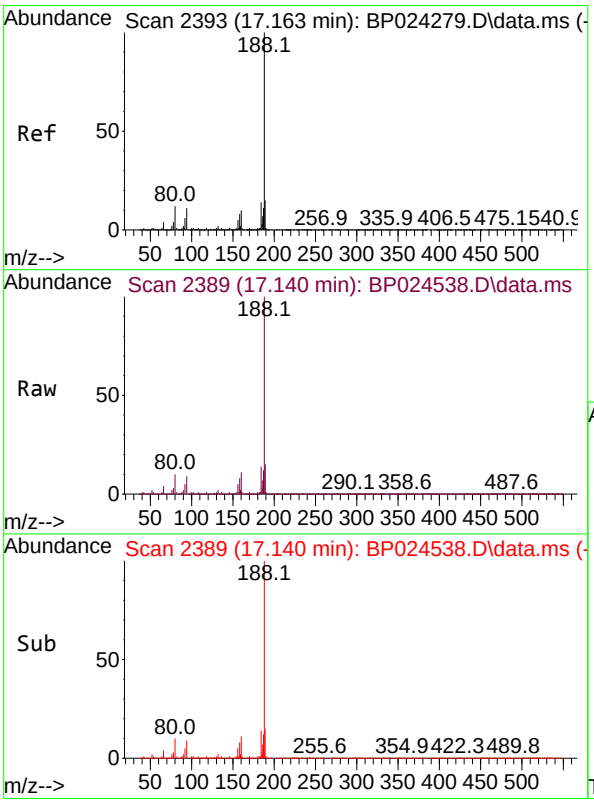
#63
Azobenzene
Concen: 38.255 ng
RT: 15.698 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 998056

Ion	Ratio	Lower	Upper
77	100		
182	26.4	7.3	47.3
105	21.3	2.3	42.3
51	29.0	3.4	43.4

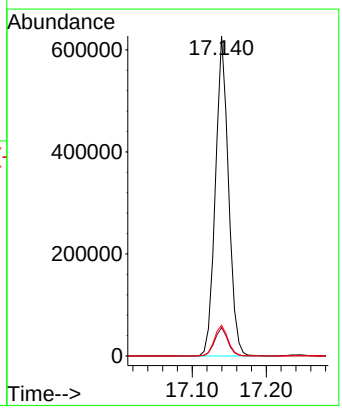


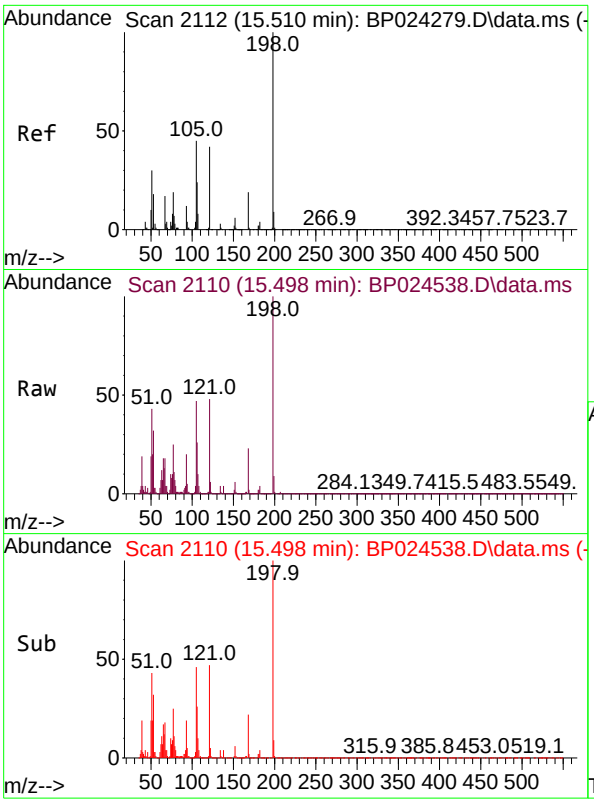


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.140 min Scan# 2389
Delta R.T. -0.006 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:188 Resp: 767035

Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.6	13.0
80	9.6	9.8	14.6#



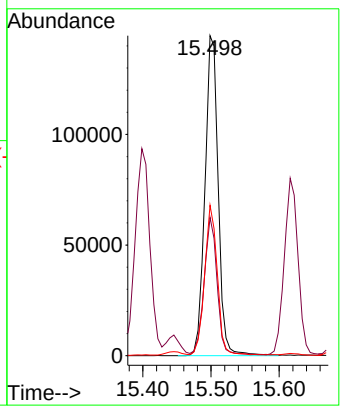


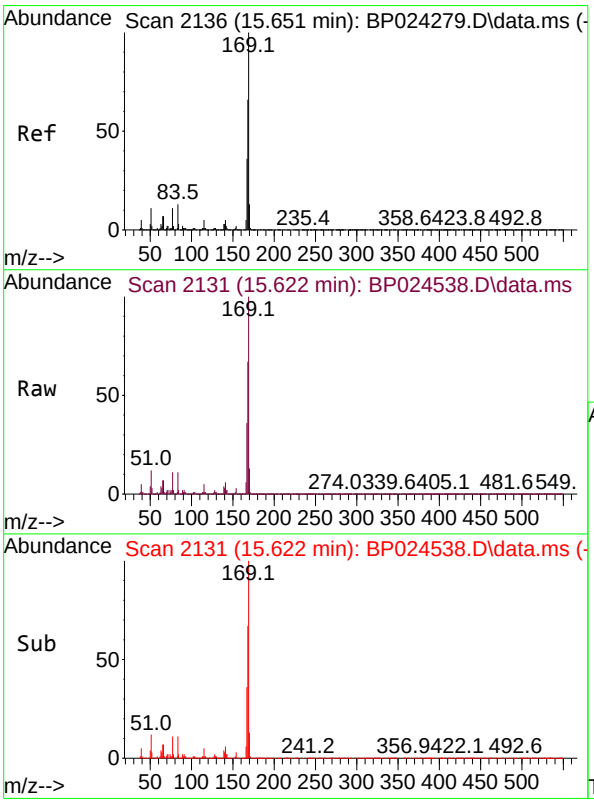
#65
4,6-Dinitro-2-methylphenol
Concen: 40.554 ng
RT: 15.498 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:198 Resp: 196115

Ion	Ratio	Lower	Upper
198	100		
51	43.2	18.4	58.4
105	47.0	26.5	66.5

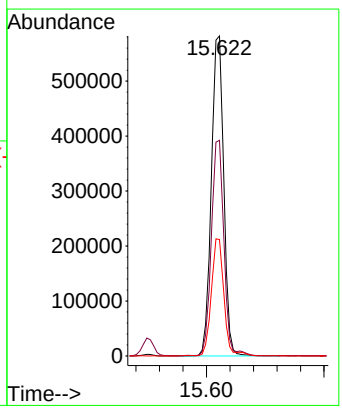


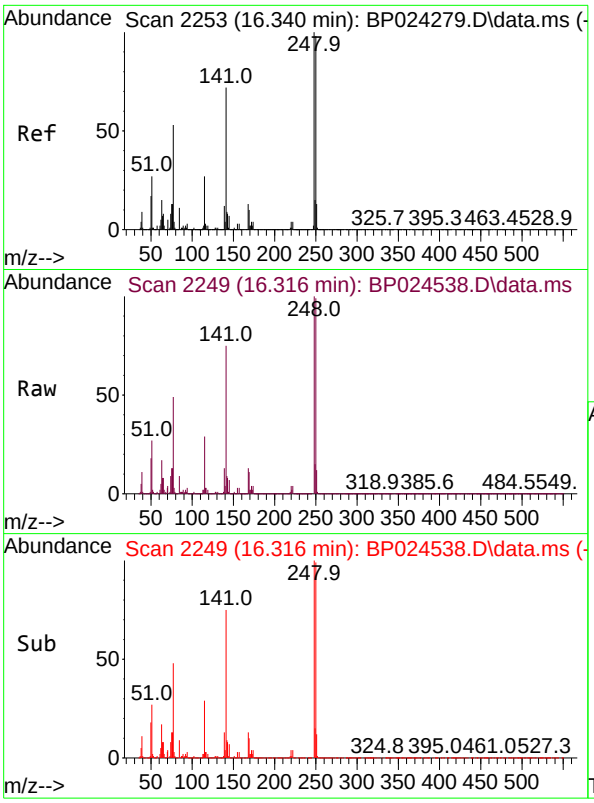


#66
n-Nitrosodiphenylamine
Concen: 37.175 ng
RT: 15.622 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:169 Resp: 851095

Ion	Ratio	Lower	Upper
169	100		
168	67.4	53.0	79.4
167	36.4	28.9	43.3



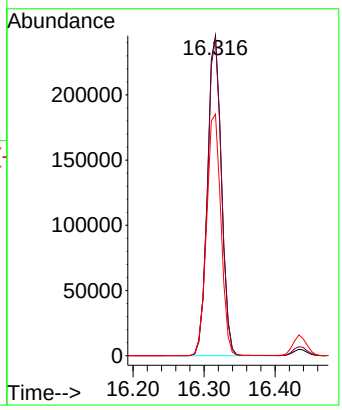


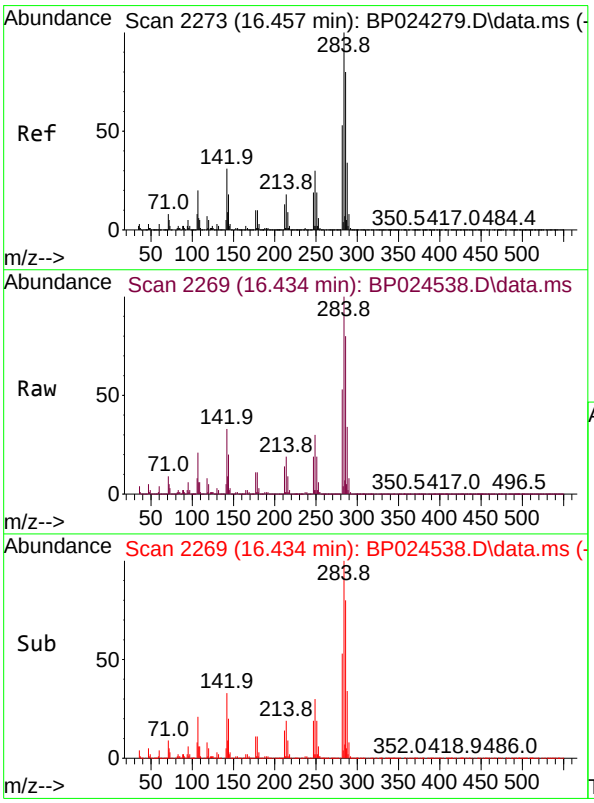
#67
4-Bromophenyl-phenylether
Concen: 40.045 ng
RT: 16.316 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:248 Resp: 335935

Ion	Ratio	Lower	Upper
248	100		
250	99.0	78.2	117.4
141	75.5	57.7	86.5

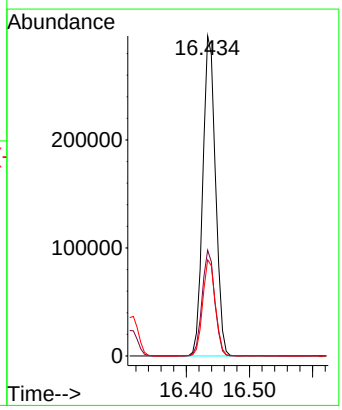


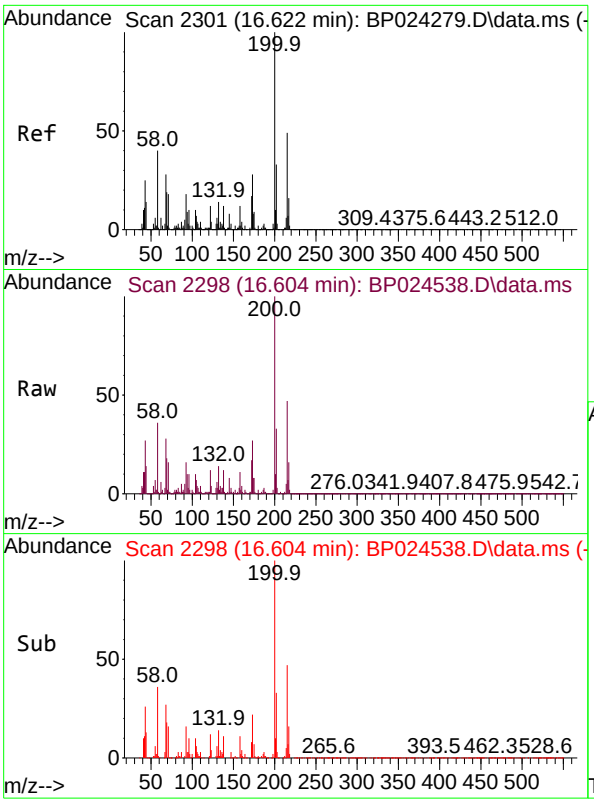


#68
Hexachlorobenzene
Concen: 41.456 ng
RT: 16.434 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:284 Resp: 413246

Ion	Ratio	Lower	Upper
284	100		
142	33.1	24.6	37.0
249	30.1	23.8	35.6



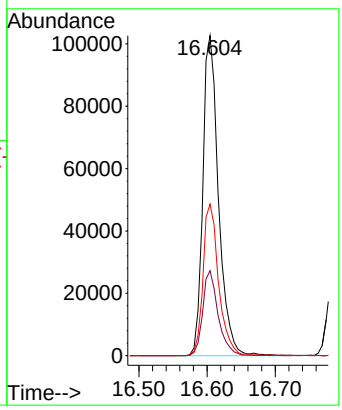


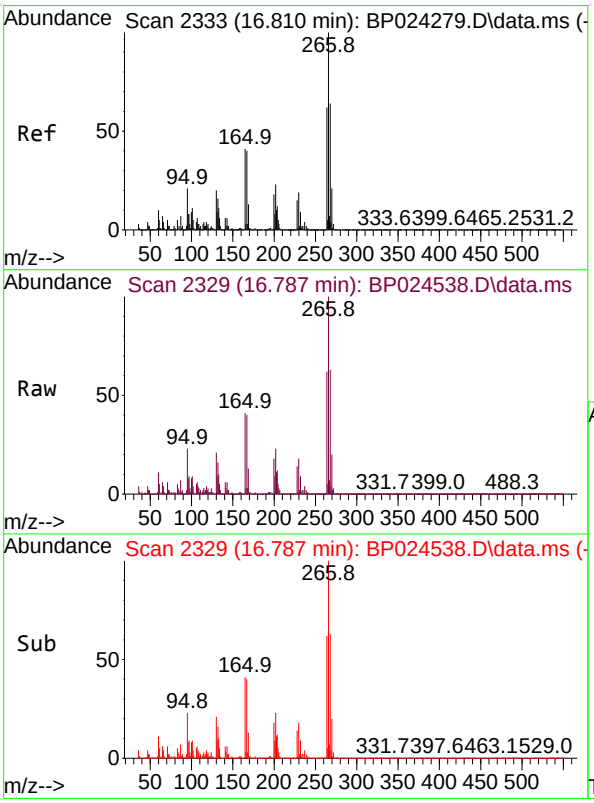
#69
Atrazine
Concen: 28.138 ng
RT: 16.604 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:200 Resp: 164069

Ion	Ratio	Lower	Upper
200	100		
173	26.6	7.5	47.5
215	47.3	28.8	68.8

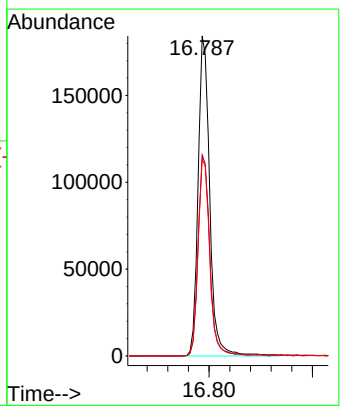


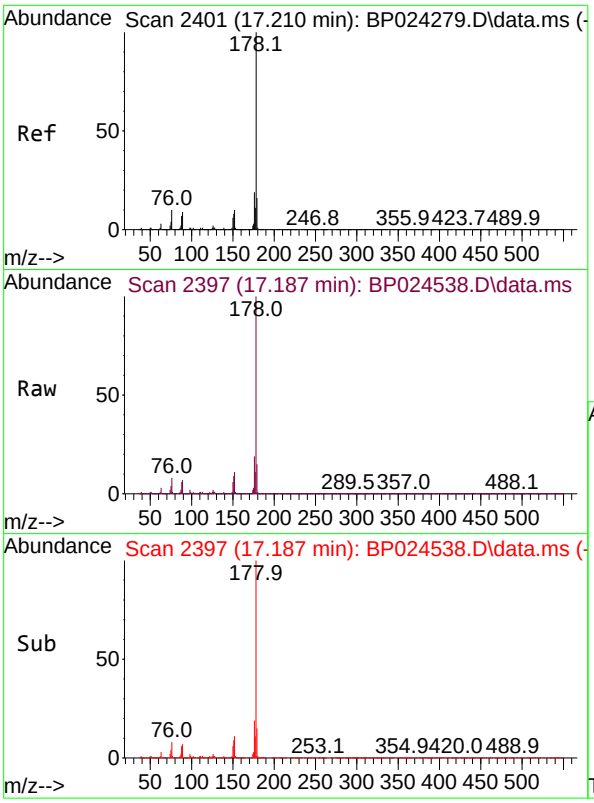


#70
Pentachlorophenol
Concen: 41.249 ng
RT: 16.787 min Scan# 2329
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:266 Resp: 286852

Ion	Ratio	Lower	Upper
266	100		
268	62.8	51.0	76.6
264	61.6	49.8	74.6



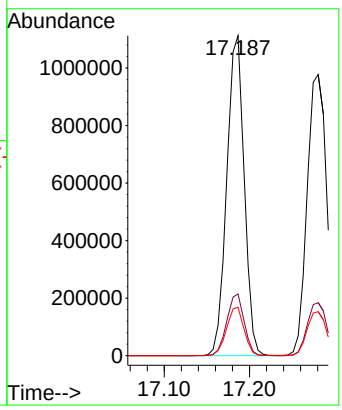


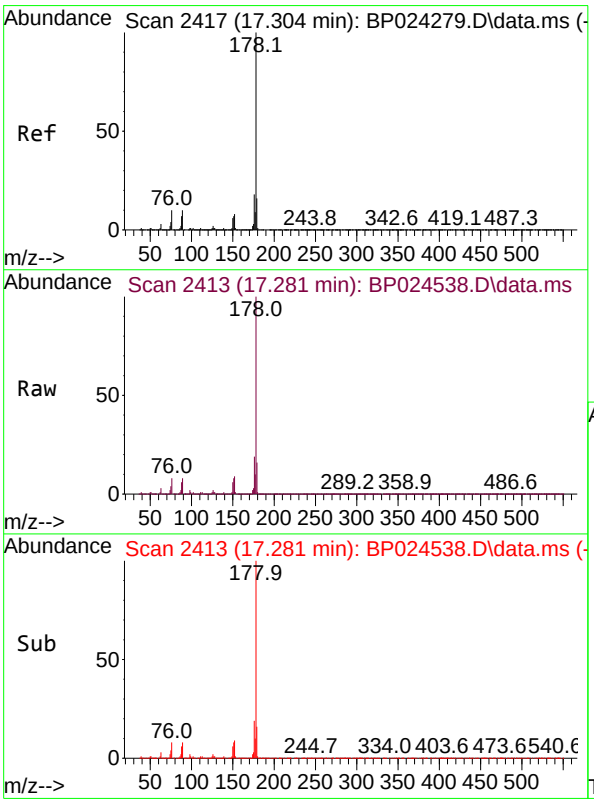
#71
Phenanthrene
Concen: 37.798 ng
RT: 17.187 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:178 Resp: 1581602

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.1	12.5	18.7

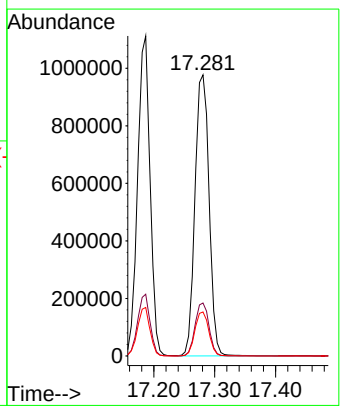


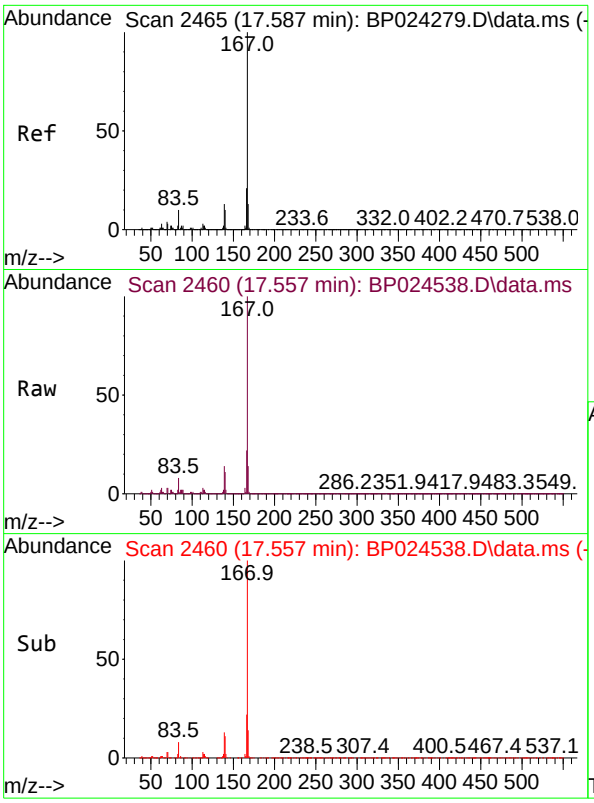


#72
Anthracene
Concen: 38.944 ng
RT: 17.281 min Scan# 2413
Delta R.T. -0.006 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:178 Resp: 1570576

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.7	22.1
179	15.6	12.4	18.6



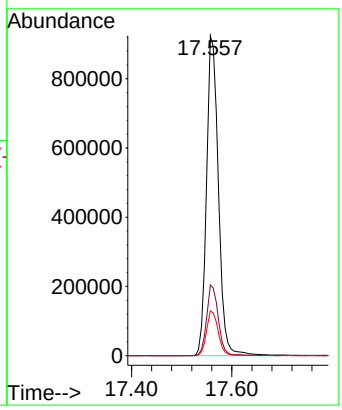


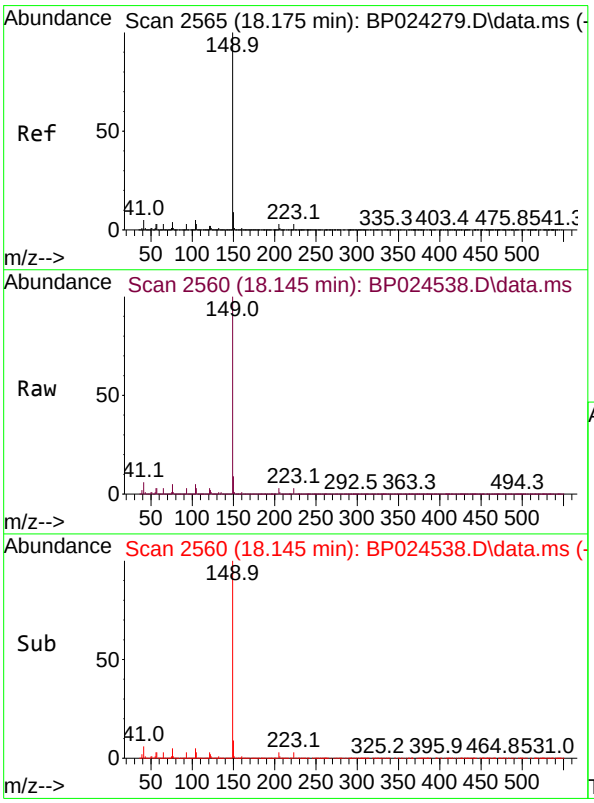
#73
Carbazole
Concen: 38.707 ng
RT: 17.557 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:167 Resp: 1525243

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.1	25.7
139	14.0	10.6	16.0

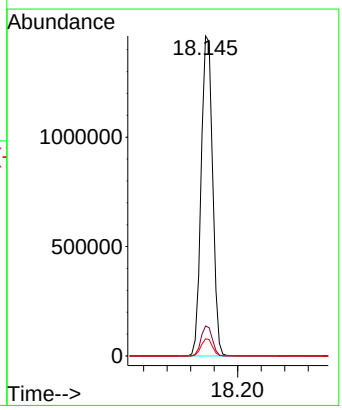


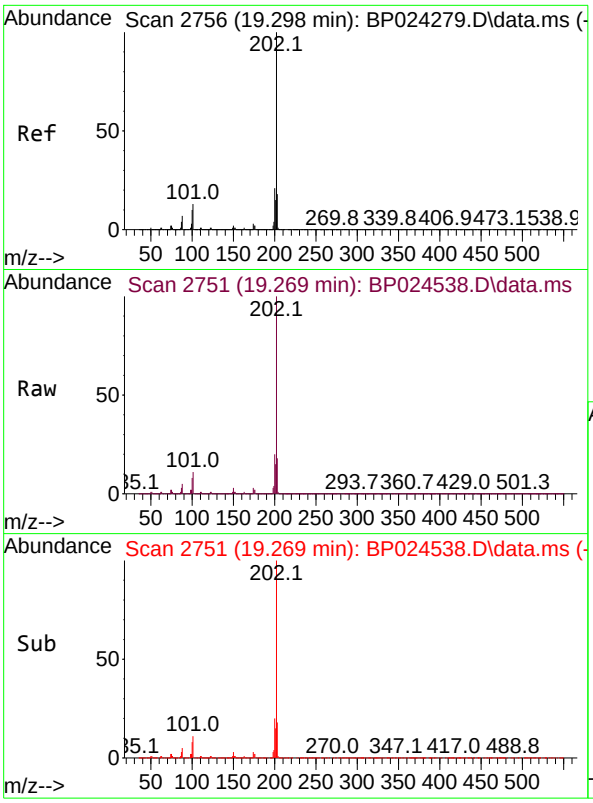


#74
Di-n-butylphthalate
Concen: 40.354 ng
RT: 18.145 min Scan# 2560
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:149 Resp: 1981084

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	5.3	3.9	5.9



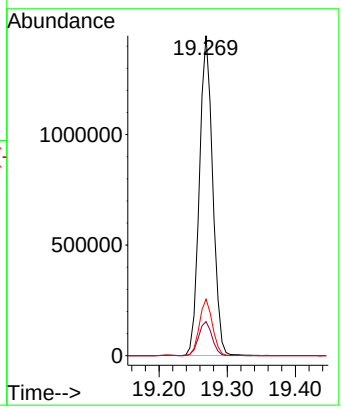


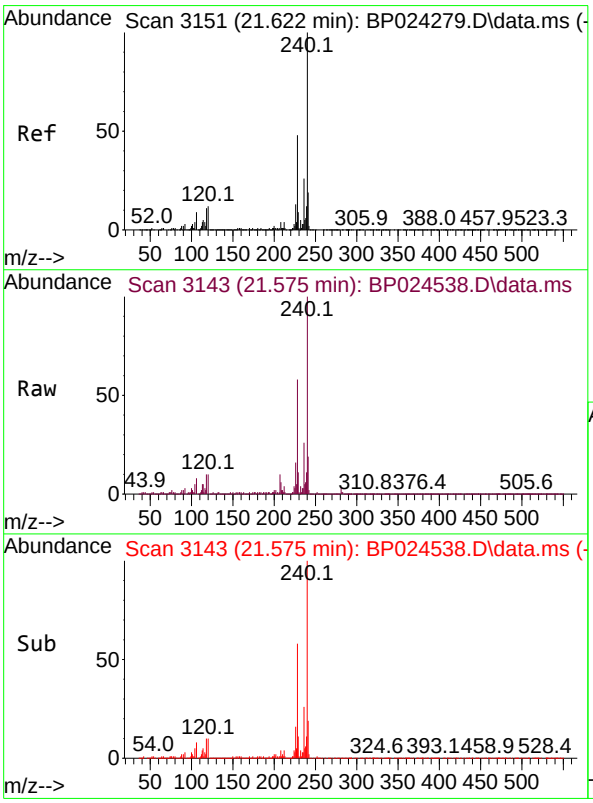
#75
Fluoranthene
Concen: 39.400 ng
RT: 19.269 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:202 Resp: 1960802

Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	33.2
203	17.7	0.0	37.7

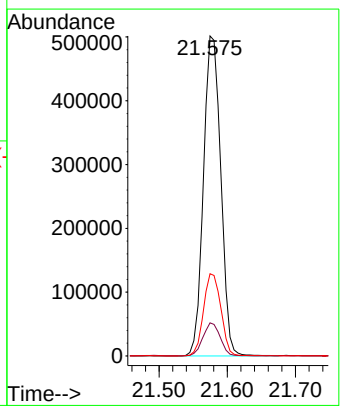


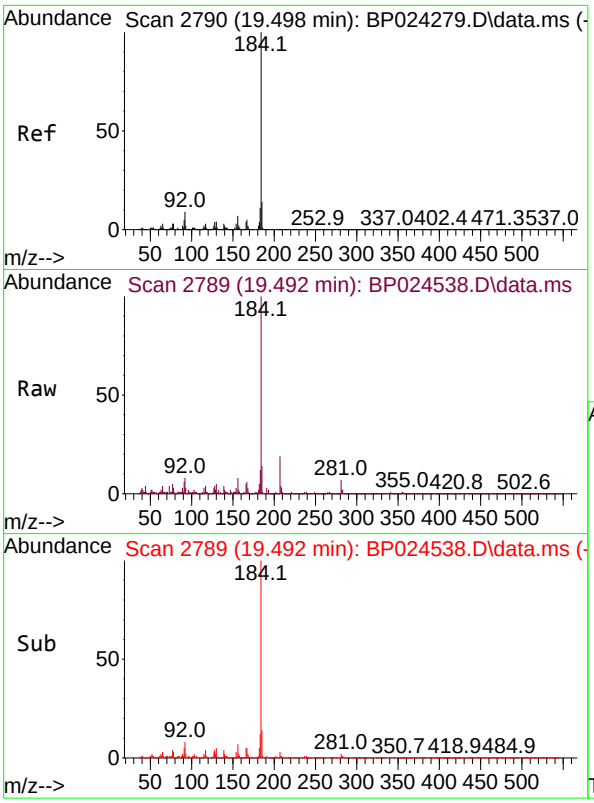


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.575 min Scan# 3143
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:240 Resp: 886346

Ion	Ratio	Lower	Upper
240	100		
120	10.4	9.8	14.8
236	25.7	20.9	31.3



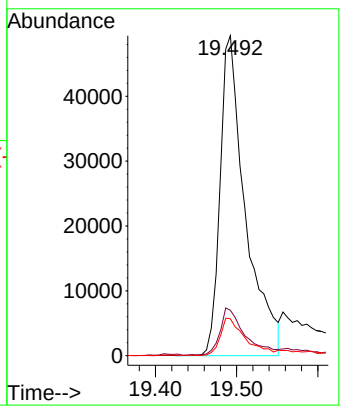


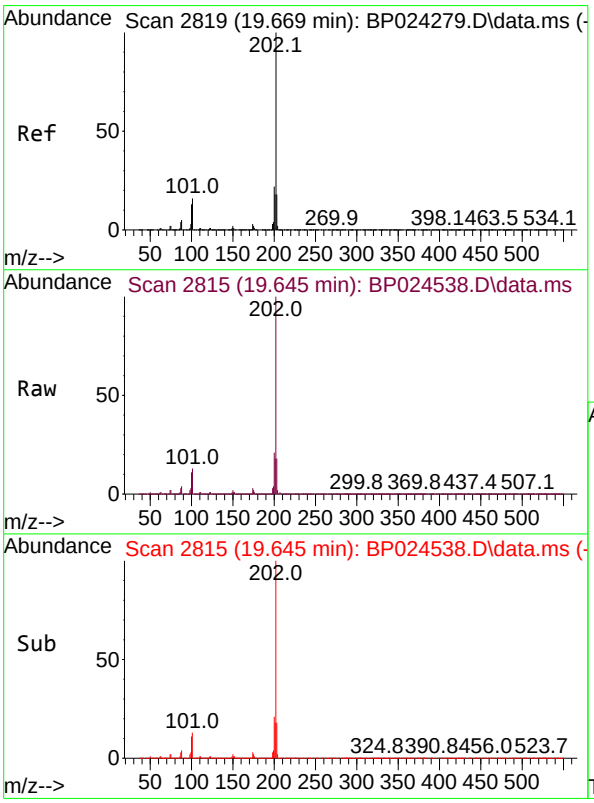
#77
Benzidine
Concen: 9.523 ng
RT: 19.492 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:184 Resp: 106992

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.6	17.4
183	11.6	9.2	13.8

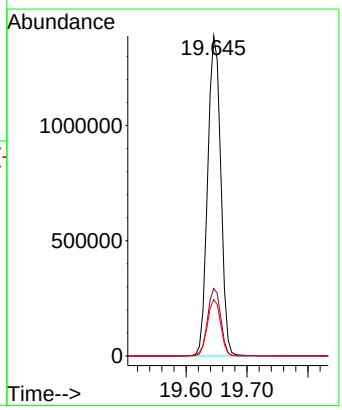


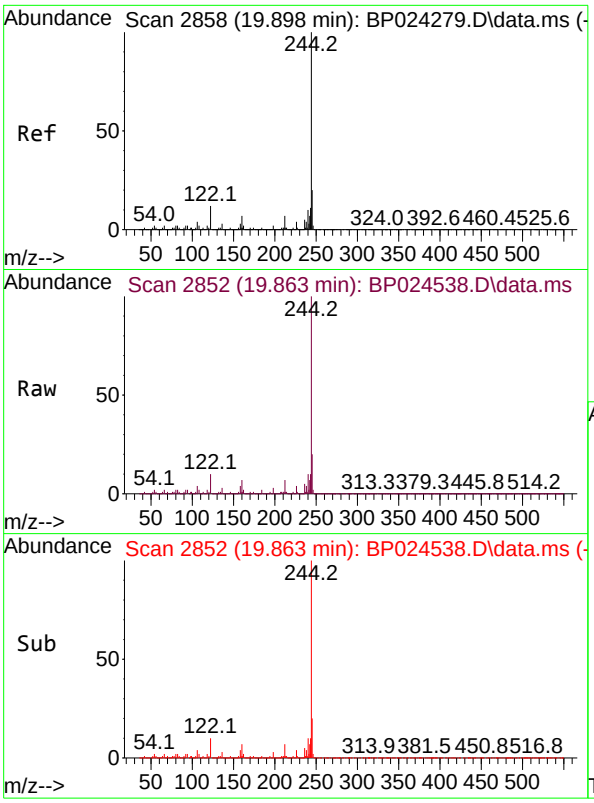


#78
Pyrene
Concen: 36.817 ng
RT: 19.645 min Scan# 2815
Delta R.T. -0.006 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:202 Resp: 2073826

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.2	25.8
203	17.7	14.4	21.6



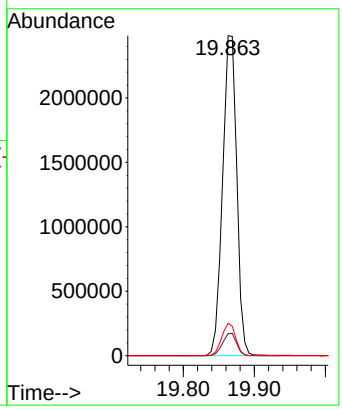


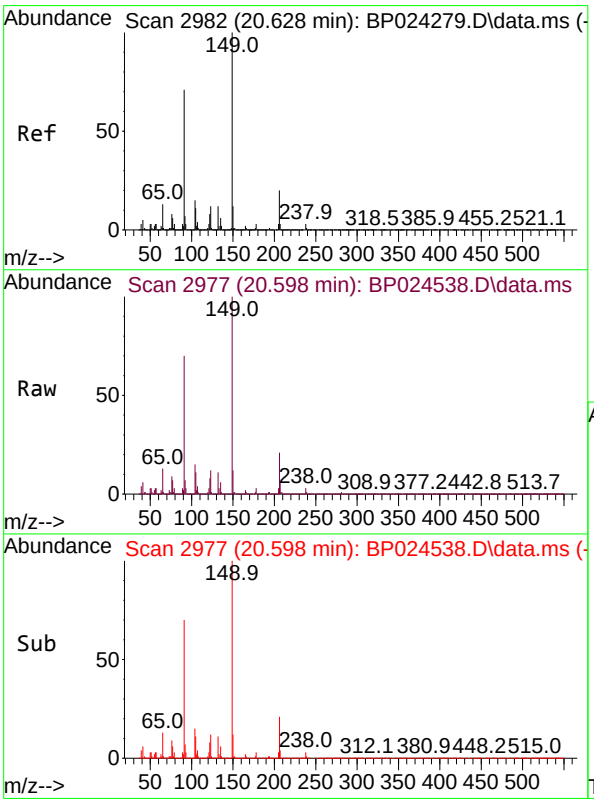
#79
Terphenyl-d14
Concen: 77.852 ng
RT: 19.863 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:244 Resp: 3423404

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	10.1	9.4	14.0

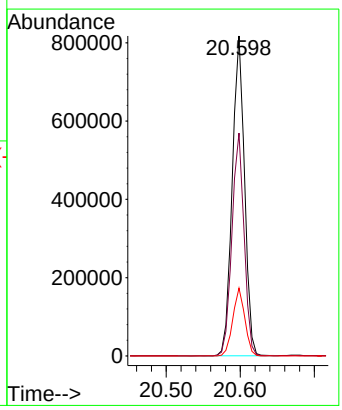


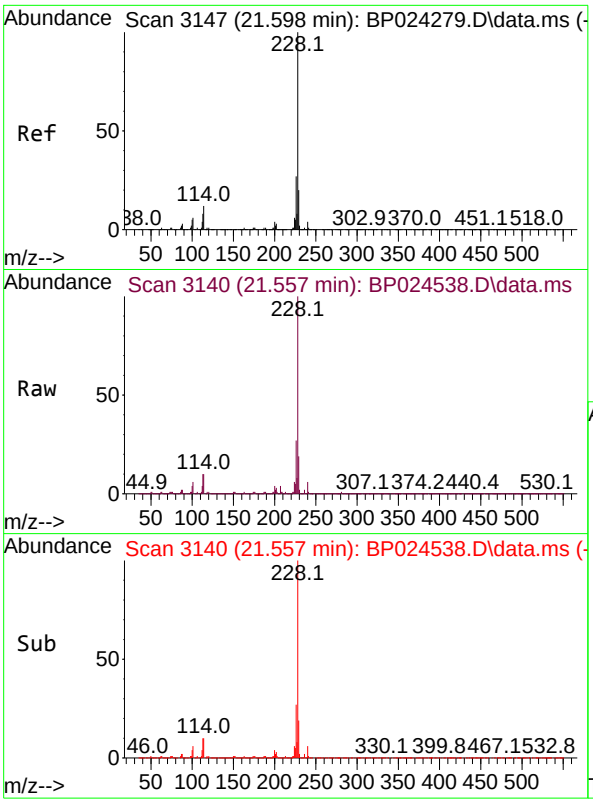


#80
Butylbenzylphthalate
Concen: 38.892 ng
RT: 20.598 min Scan# 2977
Delta R.T. -0.006 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:149 Resp: 938336

Ion	Ratio	Lower	Upper
149	100		
91	69.6	56.4	84.6
206	21.2	16.3	24.5



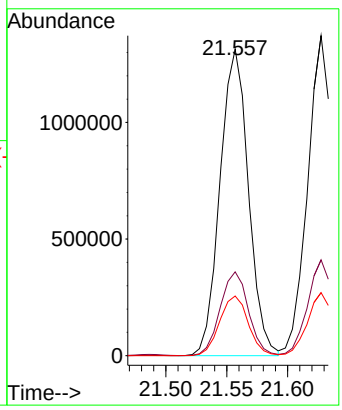


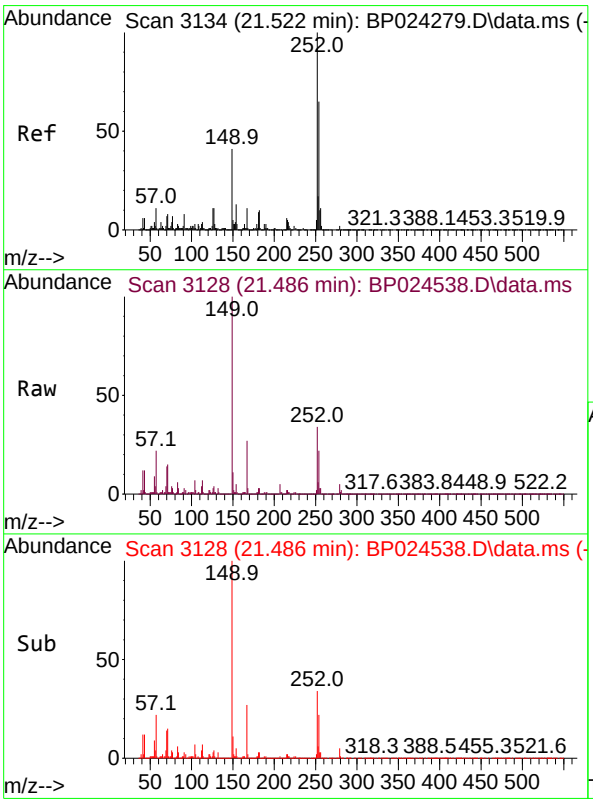
#81
Benzo(a)anthracene
Concen: 38.739 ng
RT: 21.557 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 2134204

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	19.5	15.9	23.9

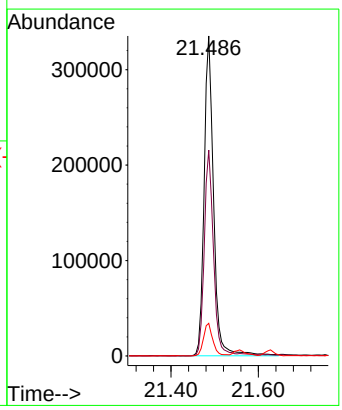


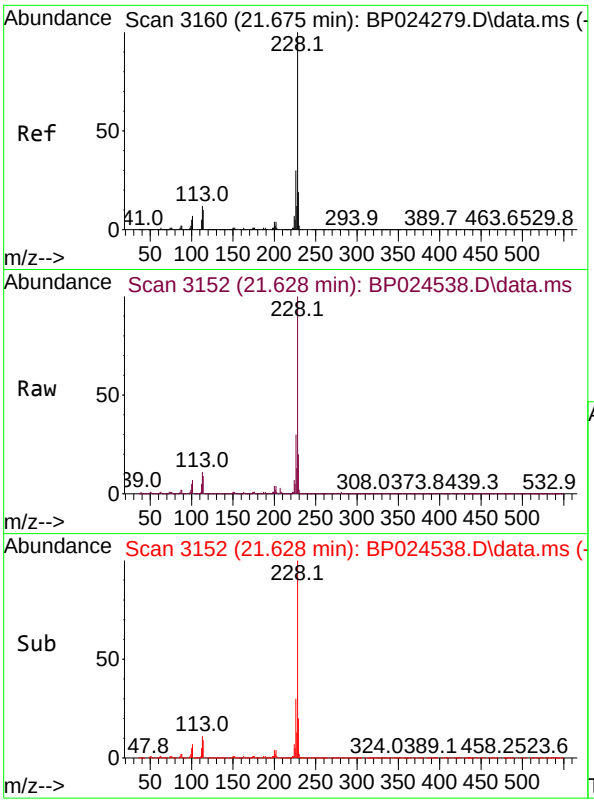


#82
3,3'-Dichlorobenzidine
Concen: 26.196 ng
RT: 21.486 min Scan# 3128
Delta R.T. -0.006 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:252 Resp: 506543

Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.7	77.5
126	10.2	8.8	13.2



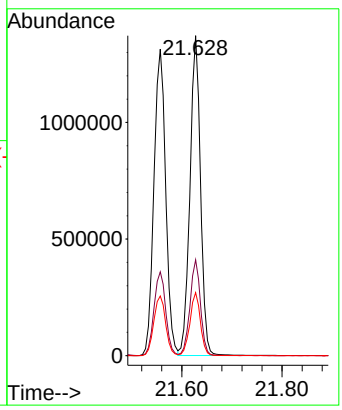


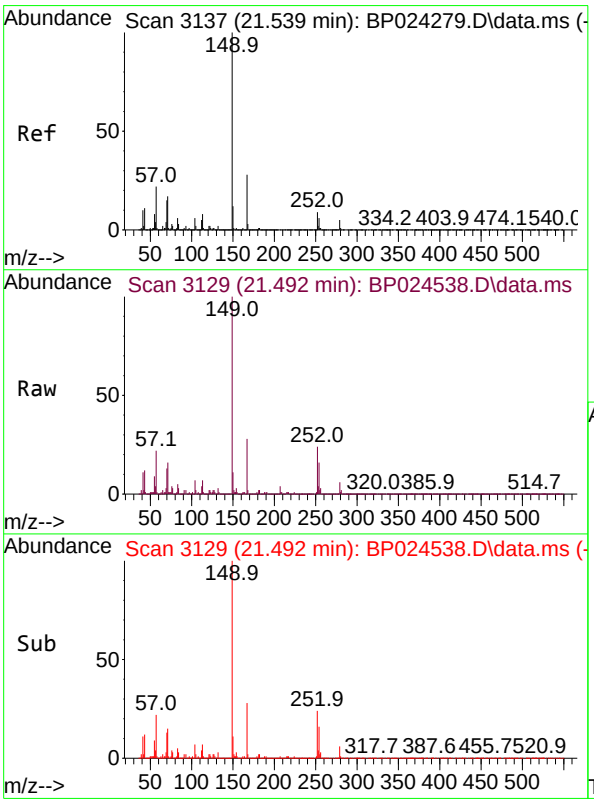
#83
Chrysene
Concen: 38.021 ng
RT: 21.628 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 2006771

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.2	36.2
229	19.7	15.6	23.4

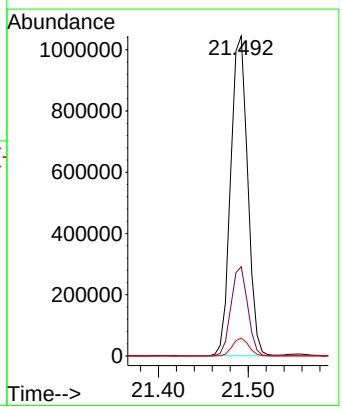


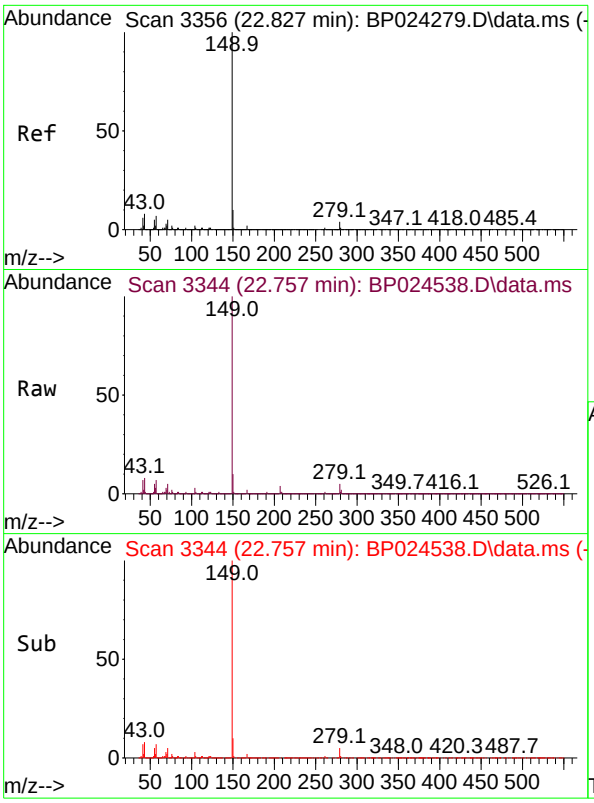


#84
Bis(2-ethylhexyl)phthalate
Concen: 38.807 ng
RT: 21.492 min Scan# 3129
Delta R.T. -0.017 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:149 Resp: 1372545

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.4	33.6
279	5.6	4.0	6.0



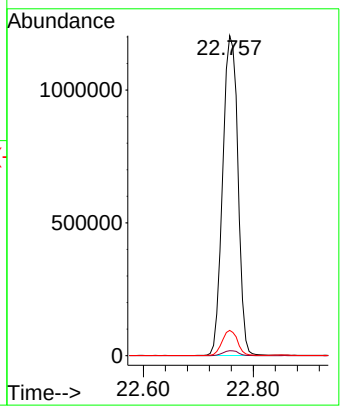


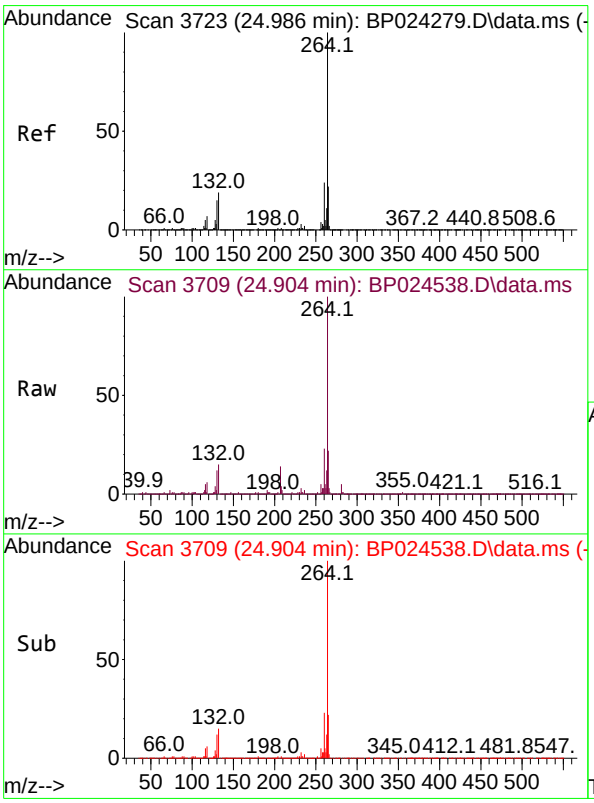
#85
Di-n-octyl phthalate
Concen: 40.324 ng
RT: 22.757 min Scan# 3
Delta R.T. -0.029 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:149 Resp: 2318596

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.9	6.0	9.0

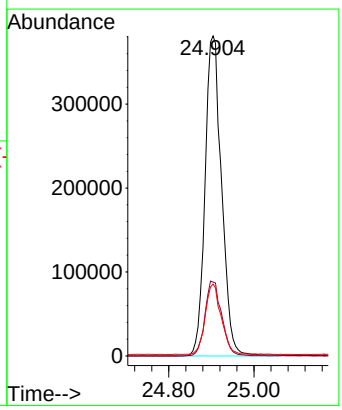


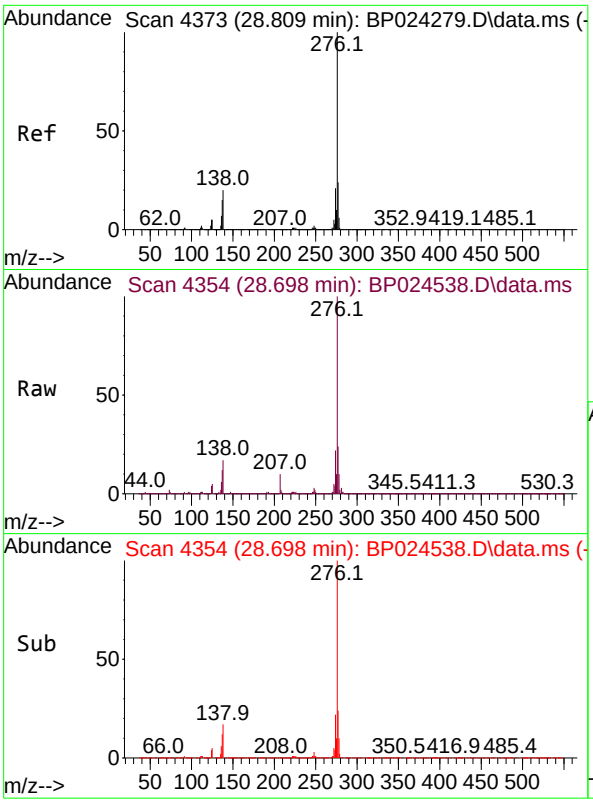


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.904 min Scan# 3709
Delta R.T. -0.029 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:264 Resp: 1026352

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.9	28.3
265	22.5	17.8	26.6



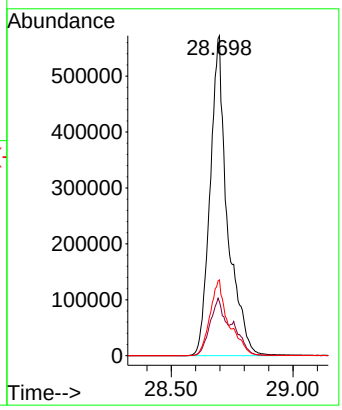


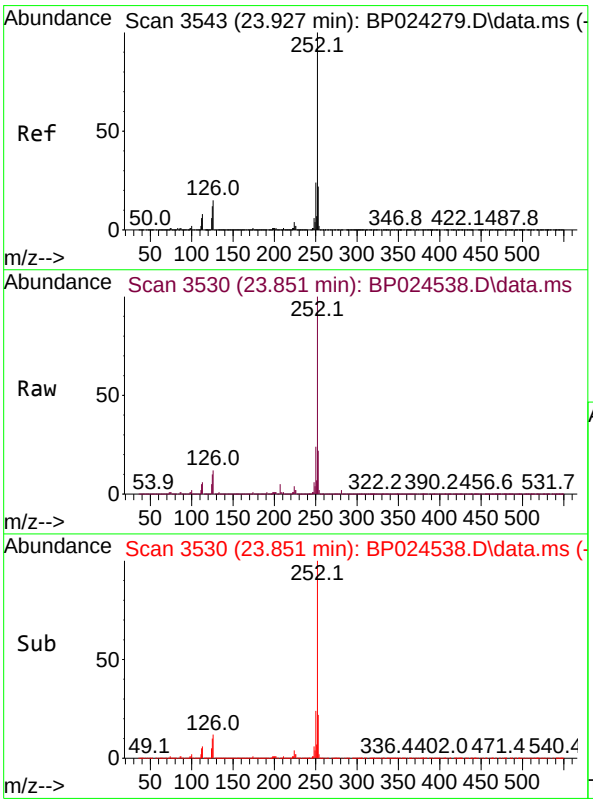
#87
Indeno(1,2,3-cd)pyrene
Concen: 39.590 ng
RT: 28.698 min Scan# 4
Delta R.T. -0.041 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:276 Resp: 2820939

Ion	Ratio	Lower	Upper
276	100		
138	15.8	14.5	21.7
277	25.4	20.2	30.2

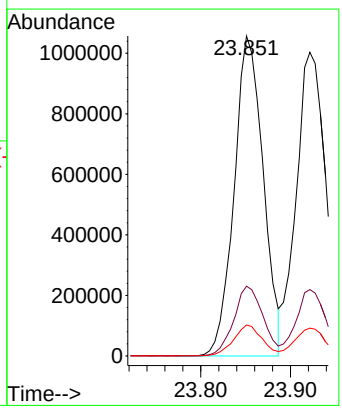


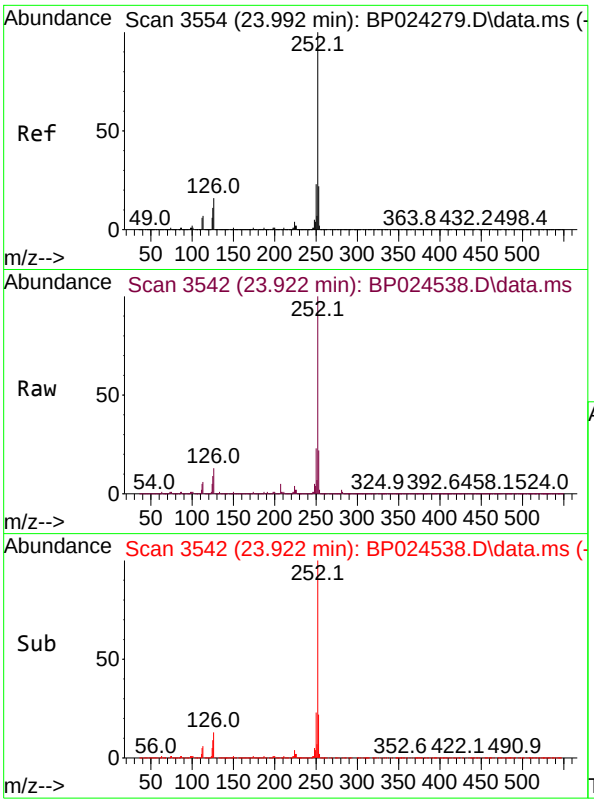


#88
Benzo(b)fluoranthene
Concen: 38.631 ng
RT: 23.851 min Scan# 3530
Delta R.T. -0.035 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:252 Resp: 2376622

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	9.7	9.4	14.0



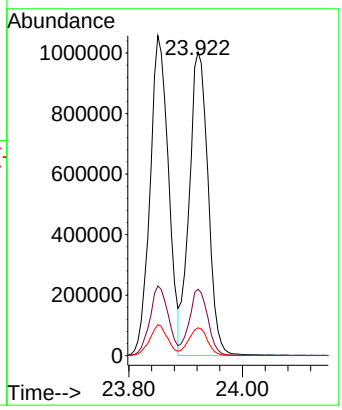


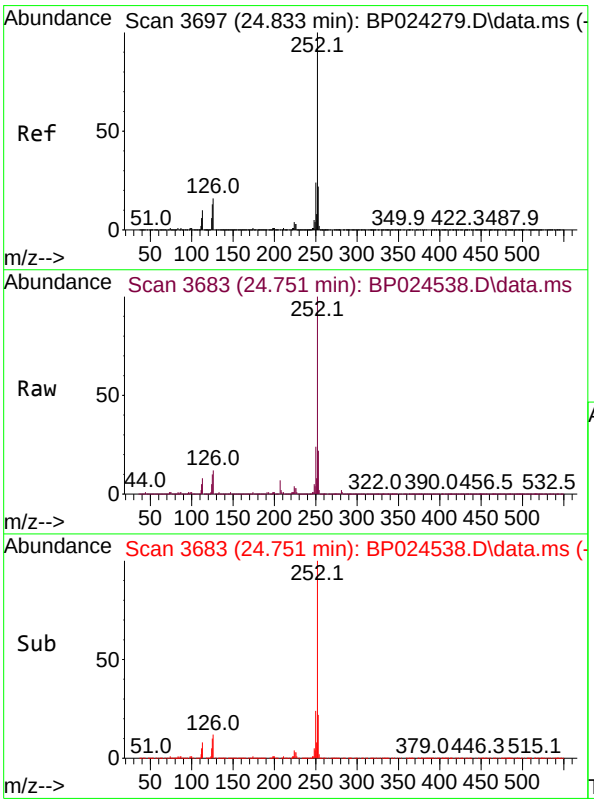
#89
Benzo(k)fluoranthene
Concen: 38.777 ng
RT: 23.922 min Scan# 3
Delta R.T. -0.035 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:252 Resp: 2304357

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	9.2	9.1	13.7

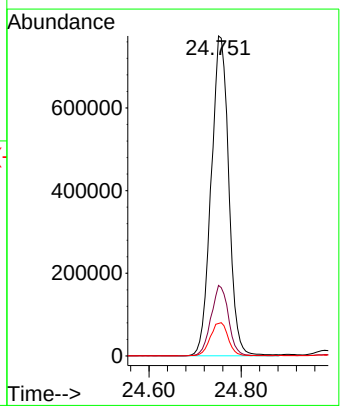


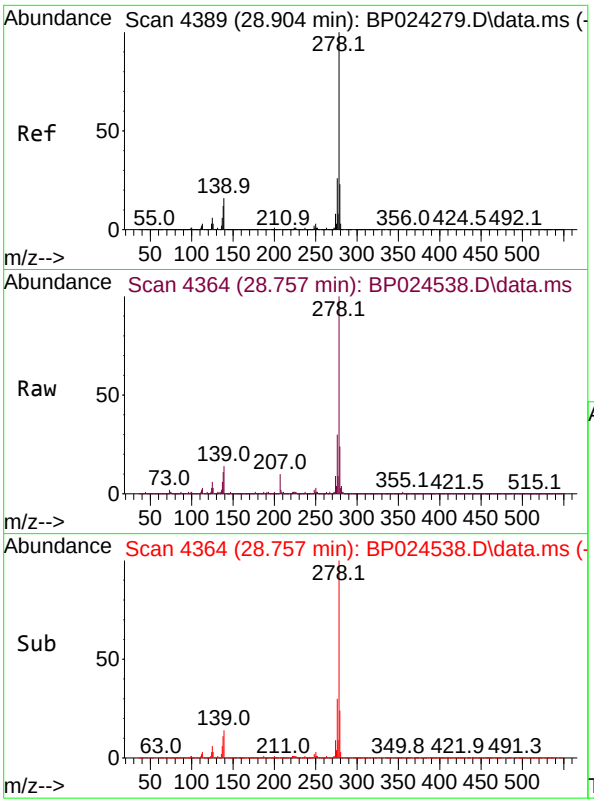


#90
Benzo(a)pyrene
Concen: 38.638 ng
RT: 24.751 min Scan# 3683
Delta R.T. -0.029 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:252 Resp: 2050411

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	10.2	10.1	15.1



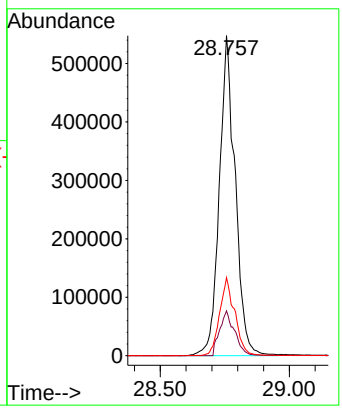


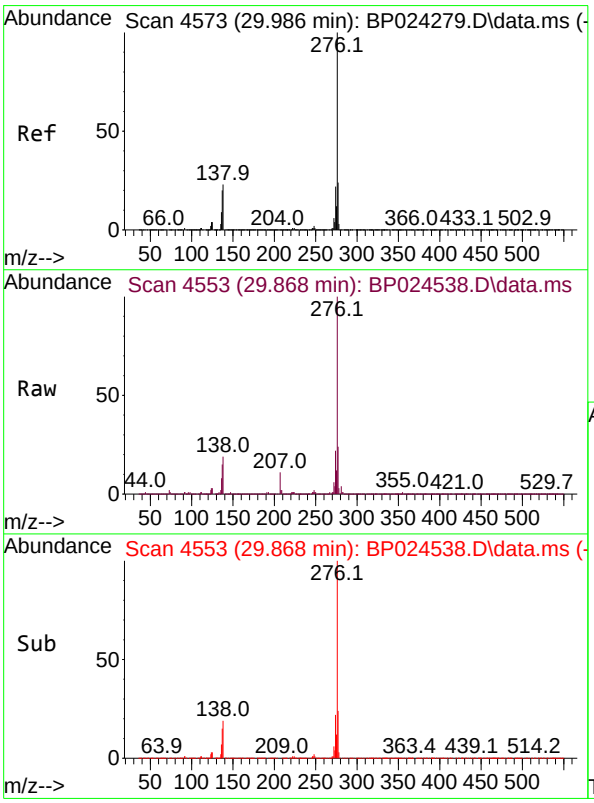
#91
Dibenzo(a,h)anthracene
Concen: 39.573 ng
RT: 28.757 min Scan# 4
Delta R.T. -0.047 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:278 Resp: 2340474

Ion	Ratio	Lower	Upper
278	100		
139	14.0	12.6	19.0
279	24.4	18.5	27.7

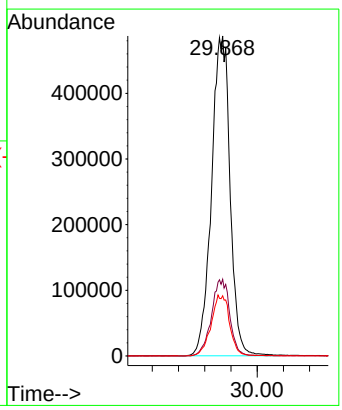




#92
Benzo(g,h,i)perylene
Concen: 39.697 ng
RT: 29.868 min Scan# 4553
Delta R.T. -0.029 min
Lab File: BP024538.D
Acq: 05 May 2025 23:32

Tgt Ion:276 Resp: 2389696

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.9	28.3
138	18.8	18.7	28.1



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050725\
Data File : BP024558.D
Acq On : 07 May 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: May 07 12:26:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.699	152	212497	20.000	ng	-0.02
21) Naphthalene-d8	10.469	136	880474	20.000	ng	#-0.03
39) Acenaphthene-d10	14.334	164	543552	20.000	ng	-0.02
64) Phenanthrene-d10	17.133	188	1025819	20.000	ng	-0.01
76) Chrysene-d12	21.574	240	907323	20.000	ng	#-0.02
86) Perylene-d12	24.892	264	884811	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	996481	77.537	ng	-0.02
7) Phenol-d6	6.893	99	1308116	74.335	ng	-0.02
23) Nitrobenzene-d5	8.852	82	1212231	78.506	ng	-0.02
42) 2,4,6-Tribromophenol	15.857	330	682599	90.767	ng	0.00
45) 2-Fluorobiphenyl	12.945	172	2915655	82.130	ng	-0.02
79) Terphenyl-d14	19.857	244	4033863	89.613	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.281	88	193608	35.616	ng	# 94
3) Pyridine	3.675	79	477611	33.273	ng	93
4) n-Nitrosodimethylamine	3.587	42	206270	43.299	ng	# 76
6) Aniline	7.040	93	552489	35.134	ng	98
8) 2-Chlorophenol	7.281	128	551245	38.418	ng	99
9) Benzaldehyde	6.858	77	348365	40.020	ng	97
10) Phenol	6.922	94	651431	36.902	ng	92
11) bis(2-Chloroethyl)ether	7.134	93	503764	35.419	ng	98
12) 1,3-Dichlorobenzene	7.593	146	588517	38.098	ng	99
13) 1,4-Dichlorobenzene	7.734	146	597099	38.096	ng	99
14) 1,2-Dichlorobenzene	8.052	146	574913	37.987	ng	98
15) Benzyl Alcohol	7.946	79	462647	40.653	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.216	45	555953	36.162	ng	99
17) 2-Methylphenol	8.152	107	439616	38.496	ng	97
18) Hexachloroethane	8.769	117	224374	39.613	ng	98
19) n-Nitroso-di-n-propyla...	8.505	70	408326	37.506	ng	95
20) 3+4-Methylphenols	8.475	107	612730	38.669	ng	98
22) Acetophenone	8.516	105	845097	38.780	ng	# 97
24) Nitrobenzene	8.893	77	589037	38.562	ng	99
25) Isophorone	9.416	82	1074123	38.431	ng	97
26) 2-Nitrophenol	9.593	139	325929	43.601	ng	94
27) 2,4-Dimethylphenol	9.663	122	373359	39.777	ng	99
28) bis(2-Chloroethoxy)met...	9.887	93	685348	36.298	ng	99
29) 2,4-Dichlorophenol	10.134	162	525754	41.081	ng	100
30) 1,2,4-Trichlorobenzene	10.340	180	549684	40.087	ng	98
31) Naphthalene	10.522	128	1789050	38.574	ng	100
32) Benzoic acid	9.840	122	408256	37.328	ng	99
33) 4-Chloroaniline	10.640	127	630538	38.605	ng	99
34) Hexachlorobutadiene	10.804	225	349038	43.318	ng	98
35) Caprolactam	11.434	113	175740	37.215	ng	95
36) 4-Chloro-3-methylphenol	11.775	107	614810	41.244	ng	98
37) 2-Methylnaphthalene	12.134	142	1247363	38.780	ng	97
38) 1-Methylnaphthalene	12.357	142	1208134	38.394	ng	98
40) 1,2,4,5-Tetrachloroben...	12.504	216	632356	42.304	ng	99
41) Hexachlorocyclopentadiene	12.481	237	217481	41.138	ng	99
43) 2,4,6-Trichlorophenol	12.751	196	425615	42.827	ng	99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050725\
Data File : BP024558.D
Acq On : 07 May 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: May 07 12:26:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.845	196	459028	41.710	ng		98
46) 1,1'-Biphenyl	13.157	154	1585069	39.672	ng		98
47) 2-Chloronaphthalene	13.198	162	1174058	39.317	ng		98
48) 2-Nitroaniline	13.410	65	343699	41.033	ng		94
49) Acenaphthylene	14.051	152	1824004	38.797	ng		99
50) Dimethylphthalate	13.787	163	1534513	38.821	ng		99
51) 2,6-Dinitrotoluene	13.916	165	336243	40.059	ng		96
52) Acenaphthene	14.398	154	1140518	38.265	ng		99
53) 3-Nitroaniline	14.251	138	330060	37.414	ng		99
54) 2,4-Dinitrophenol	14.469	184	190627	38.555	ng		95
55) Dibenzofuran	14.739	168	1848148	37.935	ng		96
56) 4-Nitrophenol	14.604	139	254697	33.429	ng		91
57) 2,4-Dinitrotoluene	14.716	165	460860	40.250	ng		98
58) Fluorene	15.398	166	1451582	38.488	ng		100
59) 2,3,4,6-Tetrachlorophenol	14.975	232	406546	40.053	ng		98
60) Diethylphthalate	15.175	149	1589874	39.030	ng		99
61) 4-Chlorophenyl-phenyle...	15.398	204	731849	39.960	ng		98
62) 4-Nitroaniline	15.434	138	338145	36.208	ng		85
63) Azobenzene	15.698	77	1376020	36.753	ng		96
65) 4,6-Dinitro-2-methylph...	15.492	198	265277	41.018	ng		97
66) n-Nitrosodiphenylamine	15.616	169	1227248	40.082	ng		99
67) 4-Bromophenyl-phenylether	16.310	248	487541	43.456	ng		99
68) Hexachlorobenzene	16.428	284	590949	44.327	ng		97
69) Atrazine	16.592	200	285042	36.552	ng		98
70) Pentachlorophenol	16.786	266	388182	41.738	ng		99
71) Phenanthrene	17.175	178	2120420	37.891	ng		99
72) Anthracene	17.275	178	2107623	39.077	ng		99
73) Carbazole	17.557	167	1916868	36.374	ng		99
74) Di-n-butylphthalate	18.139	149	2604486	39.669	ng		100
75) Fluoranthene	19.263	202	2401730	36.086	ng		97
77) Benzidine	19.469	184	360302	31.328	ng		98
78) Pyrene	19.633	202	2444395	42.392	ng		99
80) Butylbenzylphthalate	20.586	149	1018145	41.224	ng		98
81) Benzo(a)anthracene	21.551	228	2153349	38.183	ng		99
82) 3,3'-Dichlorobenzidine	21.480	252	715898	36.167	ng		99
83) Chrysene	21.621	228	2043866	37.829	ng		100
84) Bis(2-ethylhexyl)phtha...	21.480	149	1356273	37.460	ng		99
85) Di-n-octyl phthalate	22.751	149	2107005	35.797	ng		100
87) Indeno(1,2,3-cd)pyrene	28.674	276	2021418	32.907	ng		99
88) Benzo(b)fluoranthene	23.915	252	2006713	37.837	ng		97
89) Benzo(k)fluoranthene	23.915	252	2006713	39.171	ng		98
90) Benzo(a)pyrene	24.745	252	1777452	38.852	ng	#	97
91) Dibenzo(a,h)anthracene	28.739	278	1948616	38.218	ng		98
92) Benzo(g,h,i)perylene	29.827	276	1968741	37.936	ng	#	95

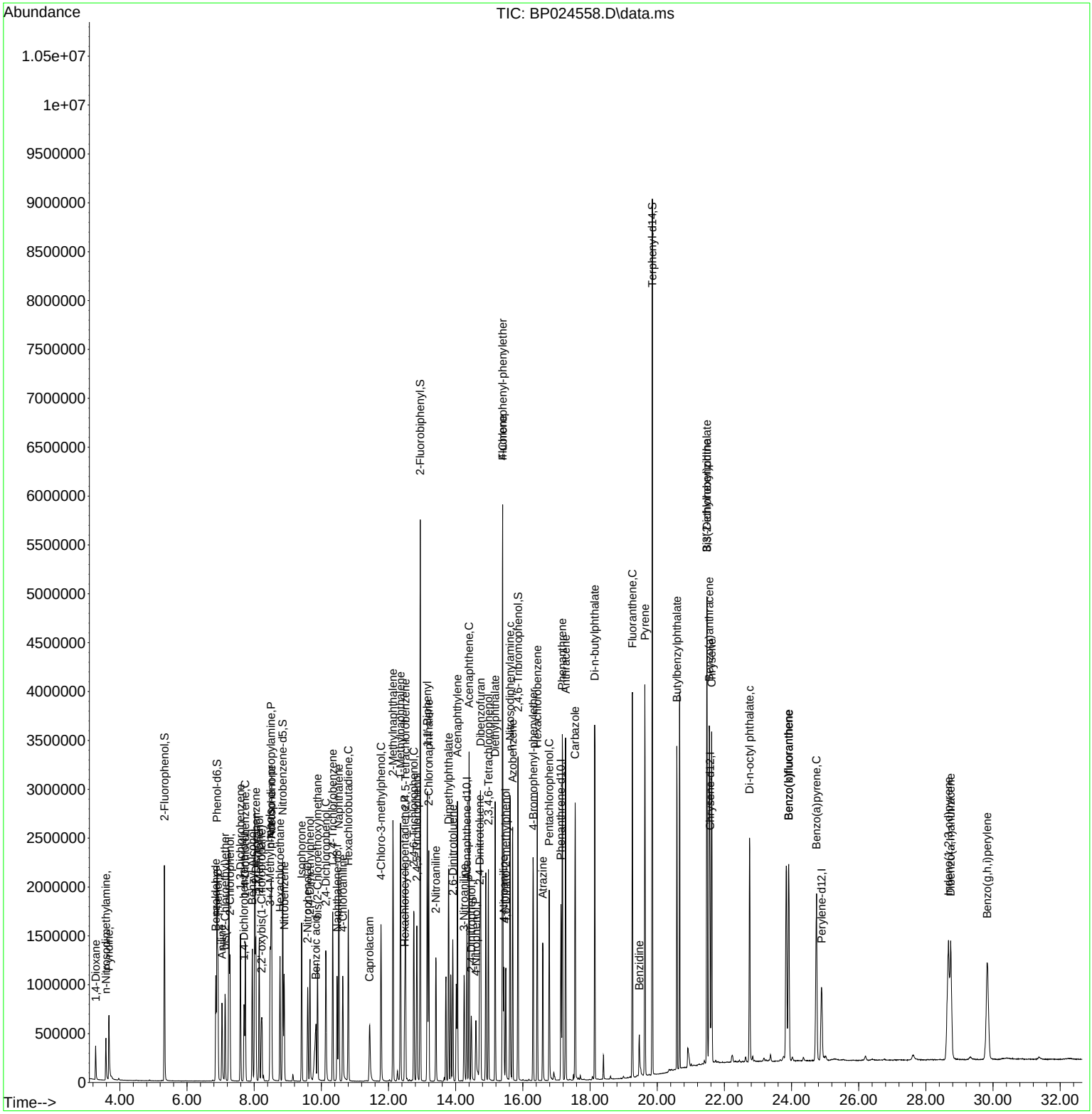
(#) = qualifier out of range (m) = manual integration (+) = signals summed

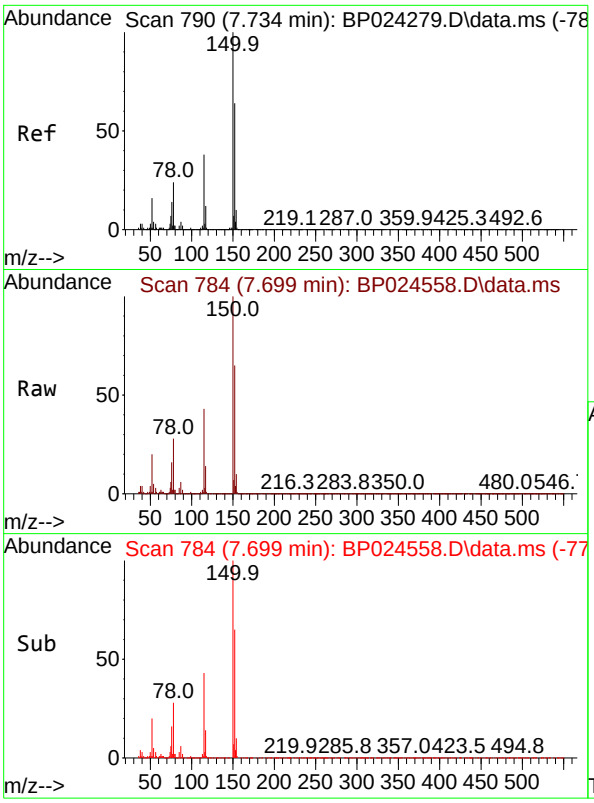
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050725\
Data File : BP024558.D
Acq On : 07 May 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Quant Time: May 07 12:26:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration



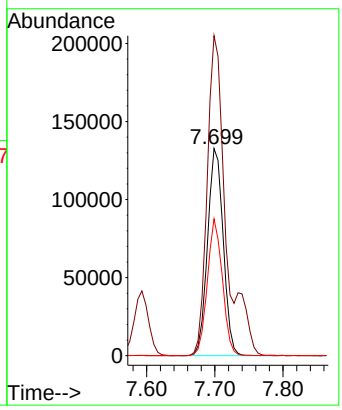


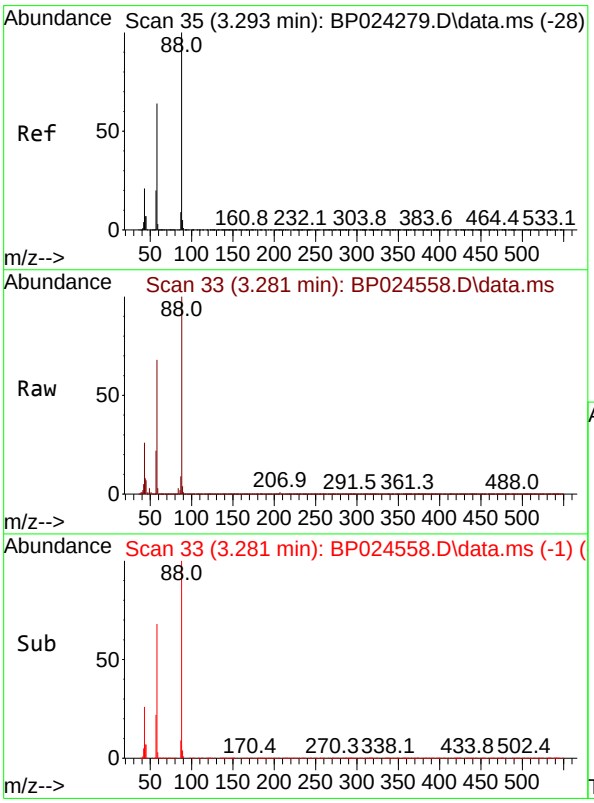
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.699 min Scan# 7
Delta R.T. -0.023 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 212497

Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.9	187.3
115	66.1	47.7	71.5

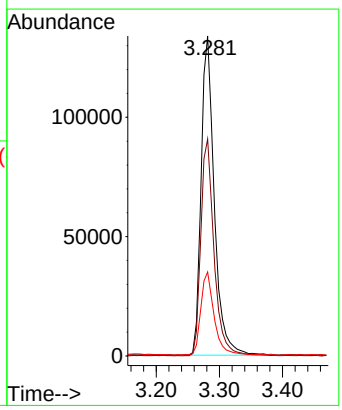


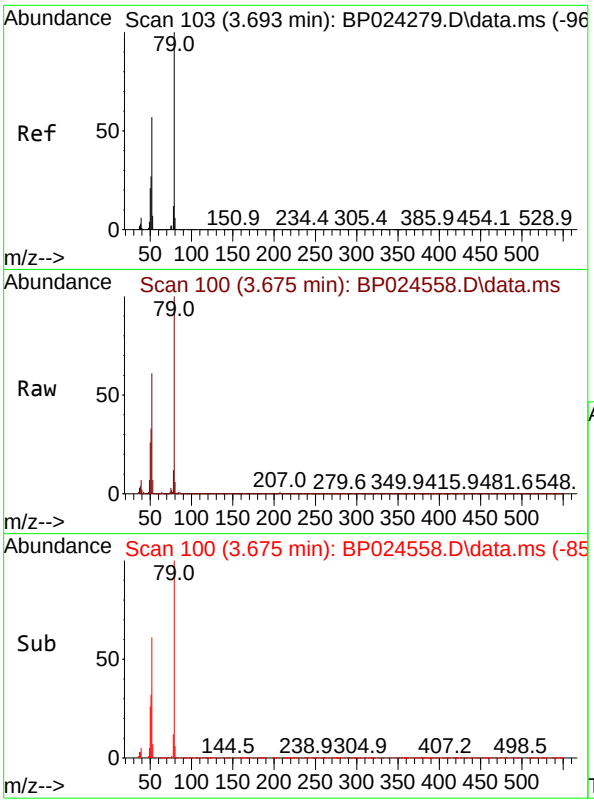


#2
1,4-Dioxane
Concen: 35.616 ng
RT: 3.281 min Scan# 33
Delta R.T. -0.006 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion: 88 Resp: 193608

Ion	Ratio	Lower	Upper
88	100		
58	68.1	51.4	77.2
43	26.3	17.1	25.7#



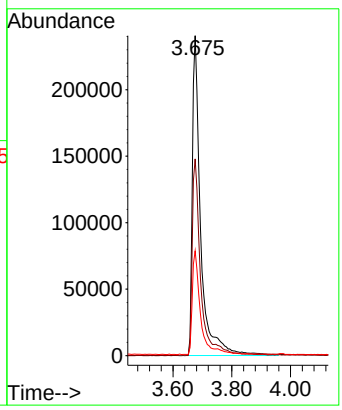


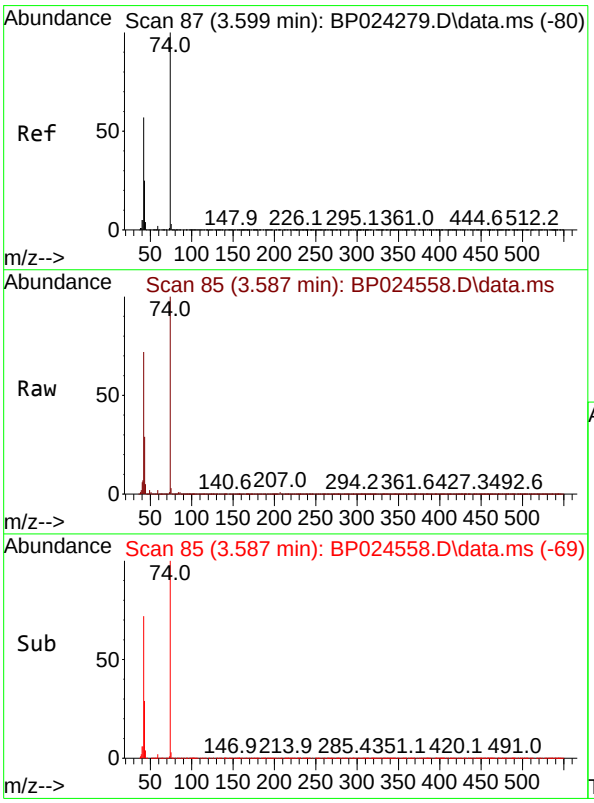
#3
Pyridine
Concen: 33.273 ng
RT: 3.675 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 477611

Ion	Ratio	Lower	Upper
79	100		
52	61.5	45.4	68.2
51	32.7	22.6	33.8

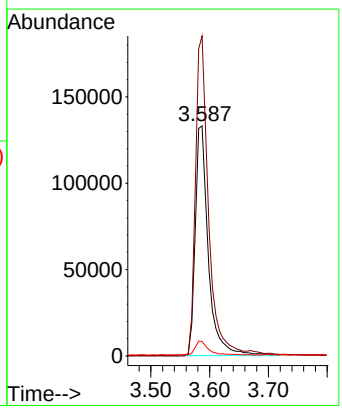


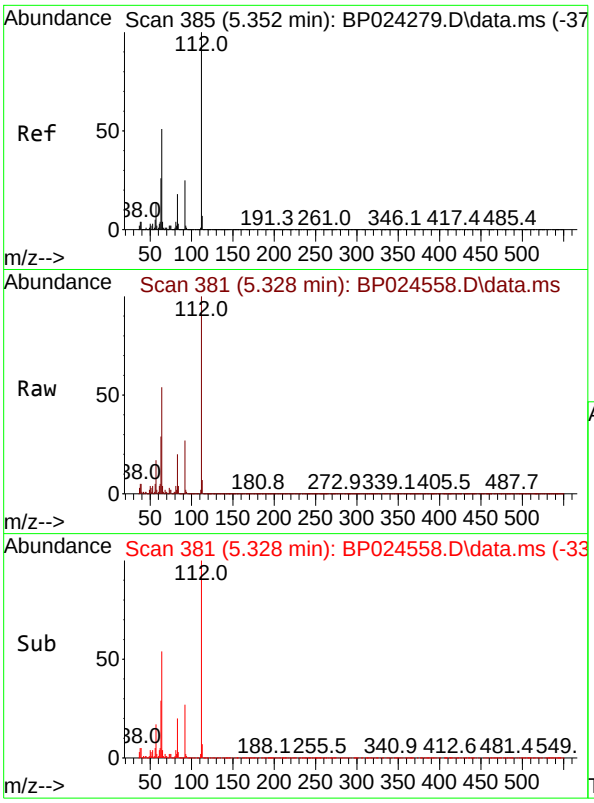


#4
n-Nitrosodimethylamine
Concen: 43.299 ng
RT: 3.587 min Scan# 85
Delta R.T. -0.006 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion: 42 Resp: 206270

Ion	Ratio	Lower	Upper
42	100		
74	139.1	139.5	209.3#
44	6.3	5.8	8.8



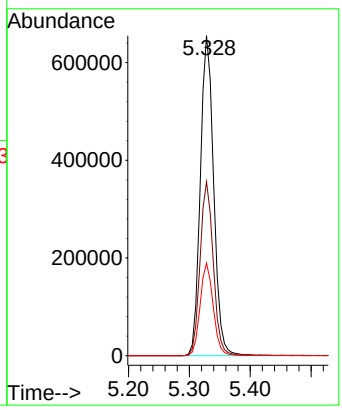


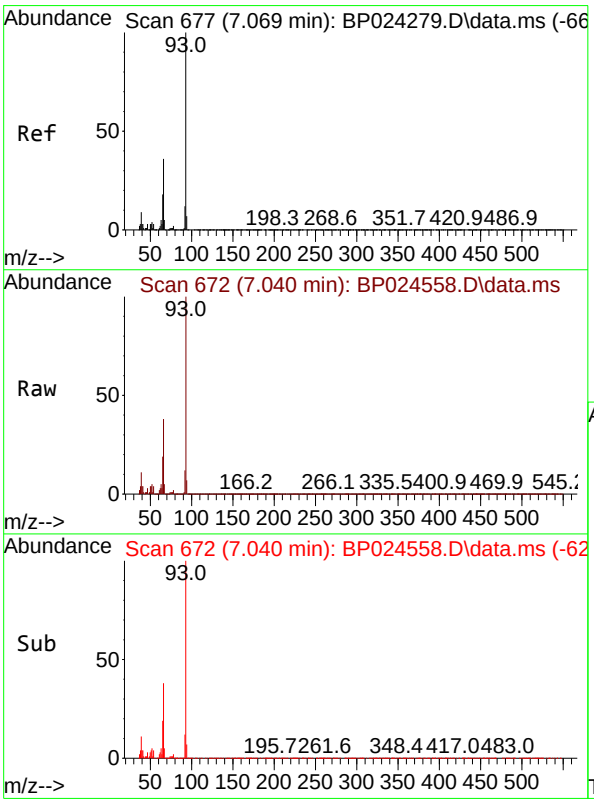
#5
2-Fluorophenol
Concen: 77.537 ng
RT: 5.328 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 996481

Ion	Ratio	Lower	Upper
112	100		
64	54.4	41.1	61.7
63	28.9	20.6	30.8

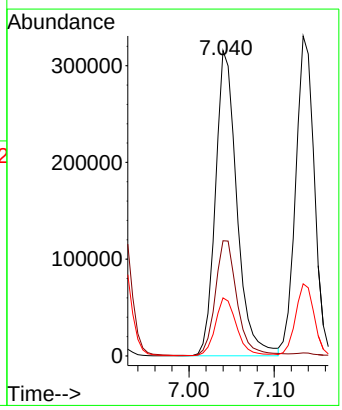


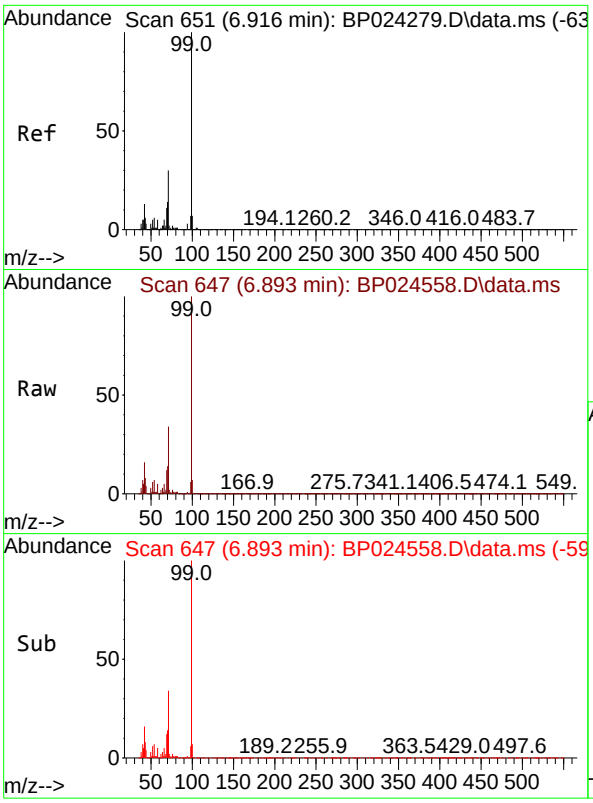


#6
Aniline
Concen: 35.134 ng
RT: 7.040 min Scan# 672
Delta R.T. -0.023 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion: 93 Resp: 552489

Ion	Ratio	Lower	Upper
93	100		
66	37.7	29.1	43.7
65	19.0	14.7	22.1



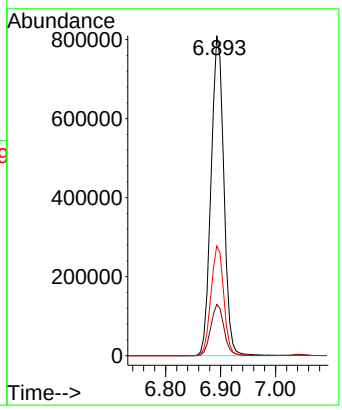


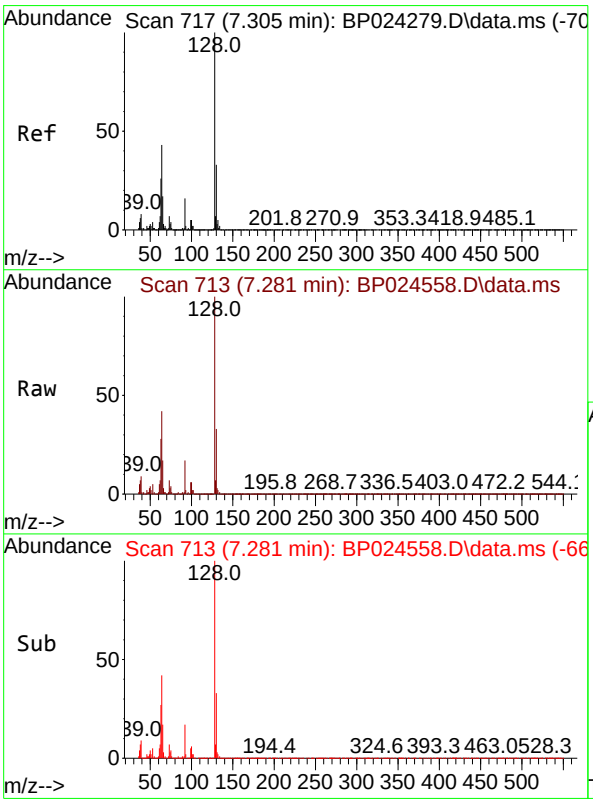
#7
Phenol-d6
Concen: 74.335 ng
RT: 6.893 min Scan# 64
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 1308116

Ion	Ratio	Lower	Upper
99	100		
42	16.0	10.6	16.0#
71	34.3	23.7	35.5

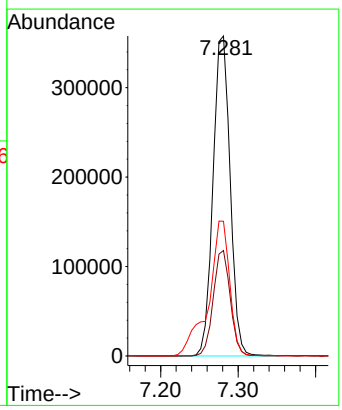


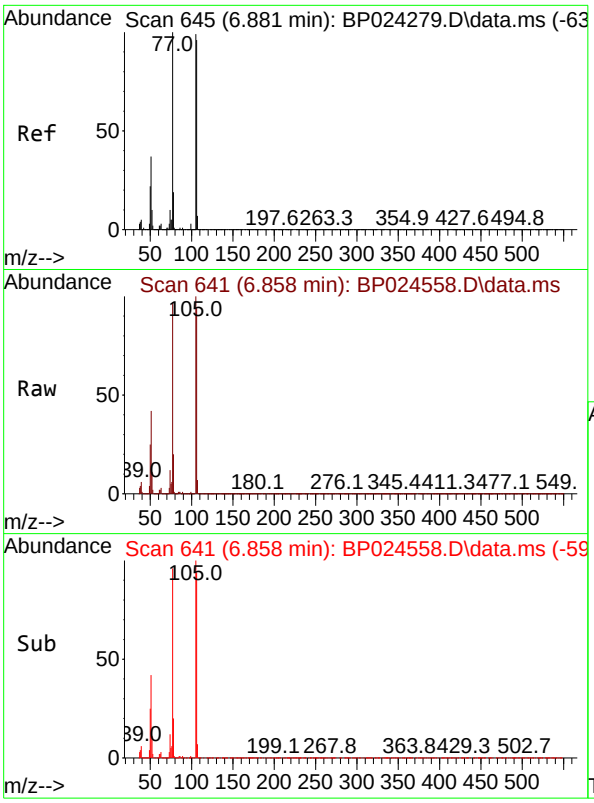


#8
2-Chlorophenol
Concen: 38.418 ng
RT: 7.281 min Scan# 713
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:128 Resp: 551245

Ion	Ratio	Lower	Upper
128	100		
130	33.0	12.9	52.9
64	42.1	22.7	62.7



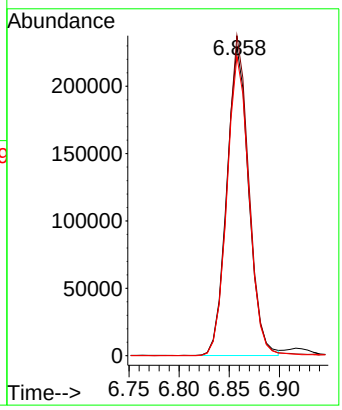


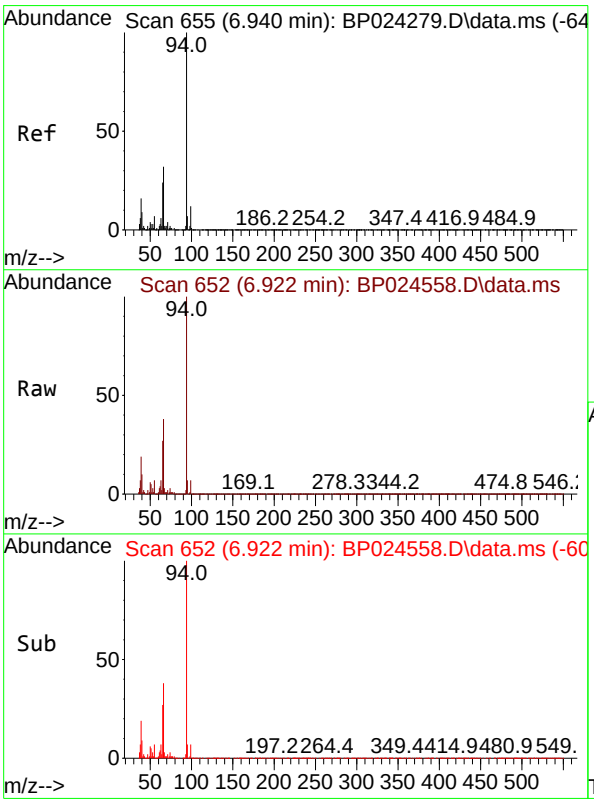
#9
Benzaldehyde
Concen: 40.020 ng
RT: 6.858 min Scan# 64
Delta R.T. -0.023 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 348365

Ion	Ratio	Lower	Upper
77	100		
105	103.6	79.2	119.2
106	96.8	76.2	116.2

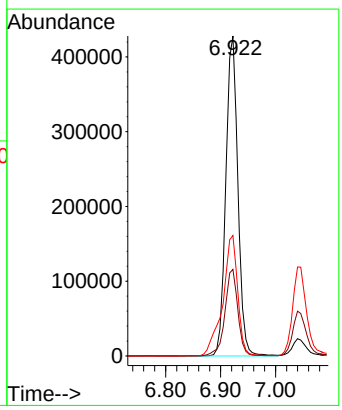


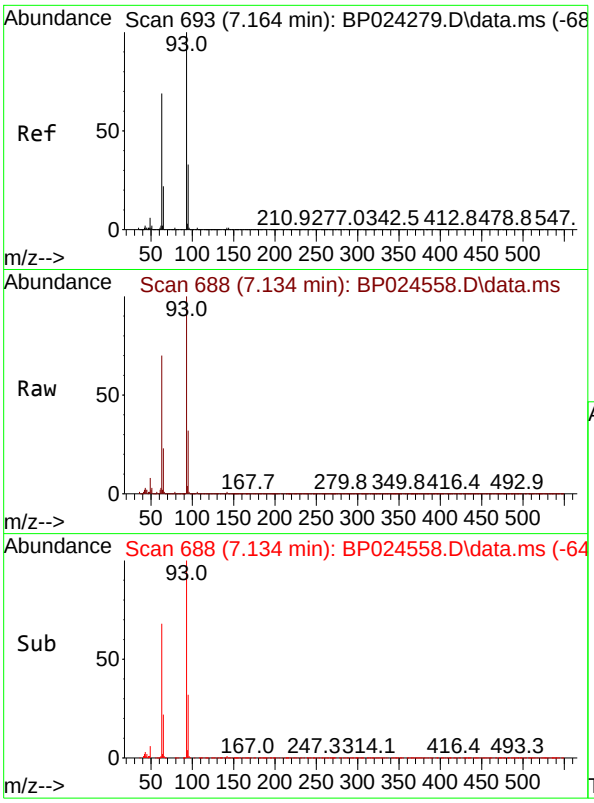


#10
Phenol
Concen: 36.902 ng
RT: 6.922 min Scan# 652
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion: 94 Resp: 651431

Ion	Ratio	Lower	Upper
94	100		
65	27.1	4.5	44.5
66	37.6	12.4	52.4



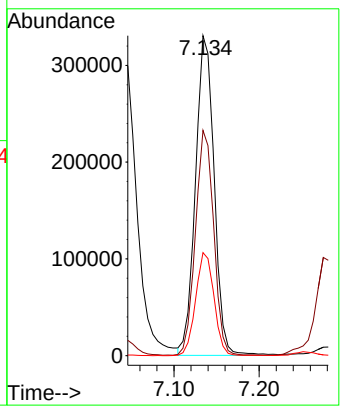


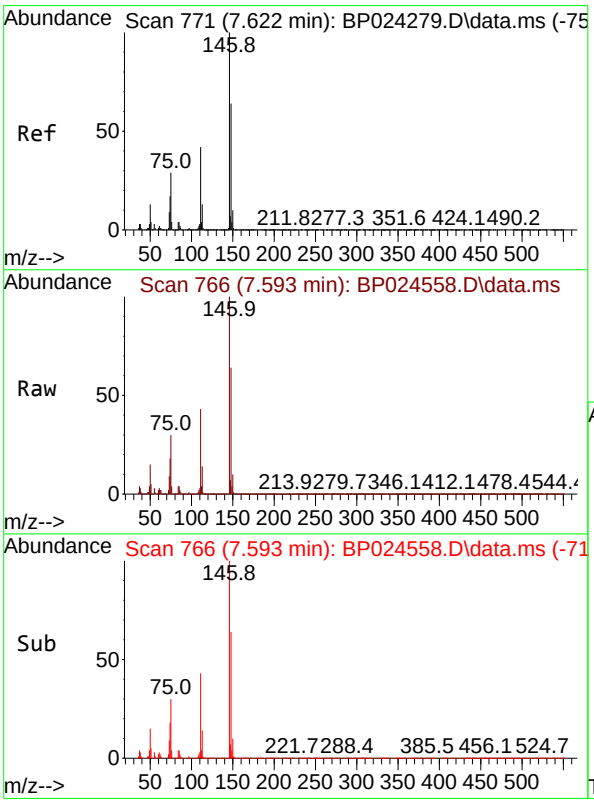
#11
bis(2-Chloroethyl)ether
Concen: 35.419 ng
RT: 7.134 min Scan# 6
Delta R.T. -0.023 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 503764

Ion	Ratio	Lower	Upper
93	100		
63	70.4	48.6	88.6
95	32.2	12.3	52.3

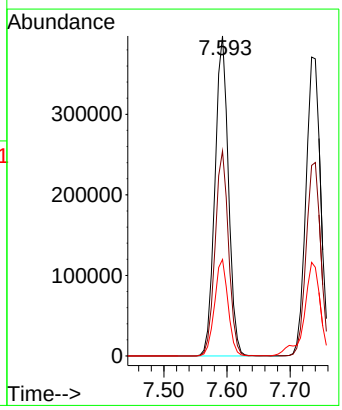


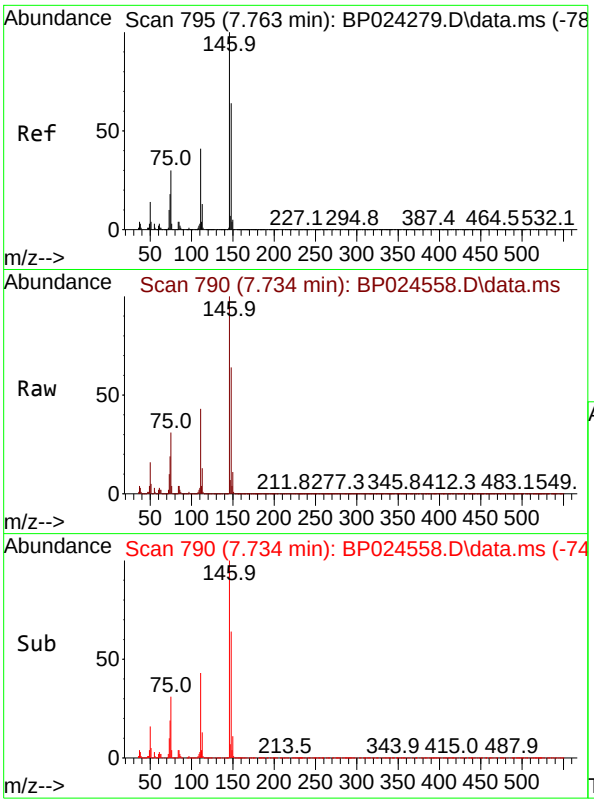


#12
1,3-Dichlorobenzene
Concen: 38.098 ng
RT: 7.593 min Scan# 766
Delta R.T. -0.023 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:146 Resp: 588517

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.4	77.0
75	30.2	22.9	34.3



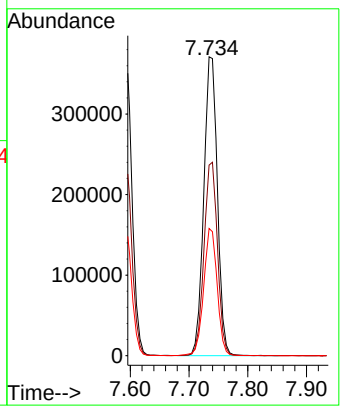


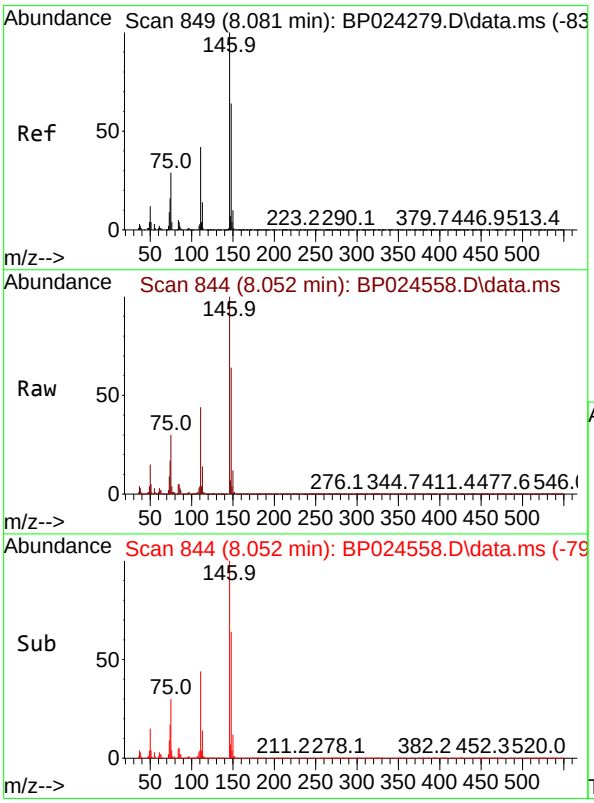
#13
1,4-Dichlorobenzene
Concen: 38.096 ng
RT: 7.734 min Scan# 7
Delta R.T. -0.023 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 597099

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.1	76.7
111	42.6	32.6	48.8

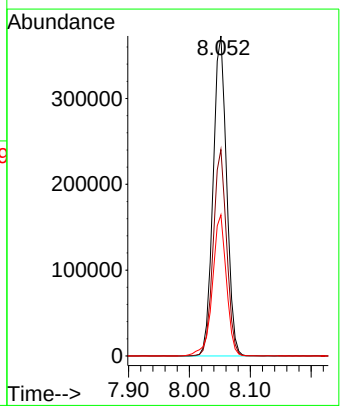


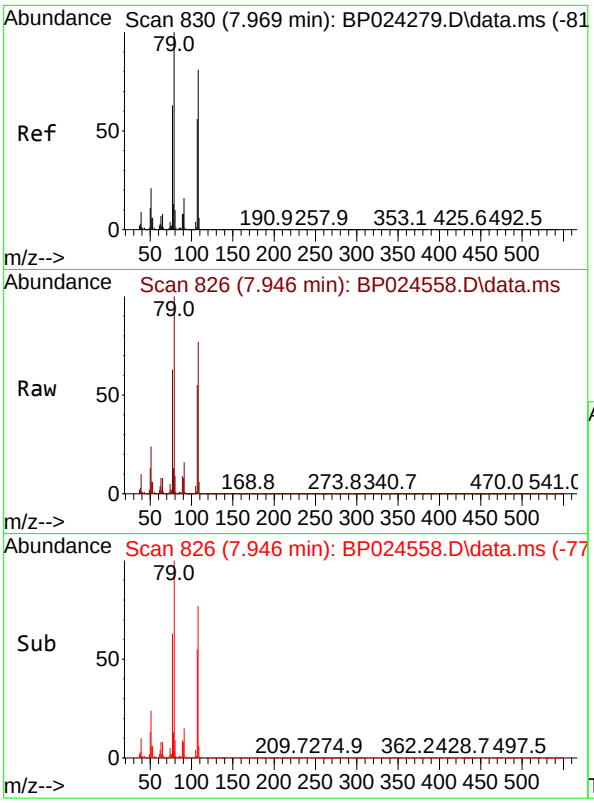


#14
1,2-Dichlorobenzene
Concen: 37.987 ng
RT: 8.052 min Scan# 844
Delta R.T. -0.023 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:146 Resp: 574913

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.0	76.4
111	44.1	33.8	50.8



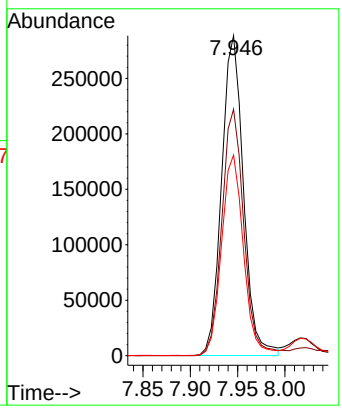


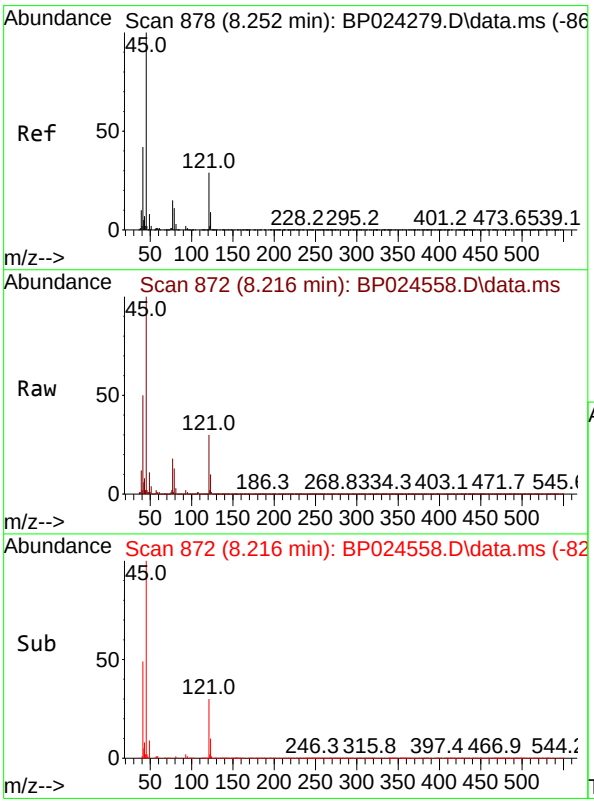
#15
Benzyl Alcohol
Concen: 40.653 ng
RT: 7.946 min Scan# 8
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 462647

Ion	Ratio	Lower	Upper
79	100		
108	77.0	65.1	97.7
77	62.7	50.7	76.1

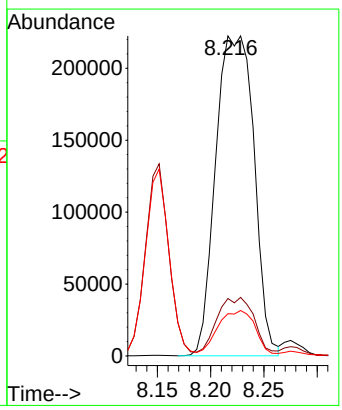


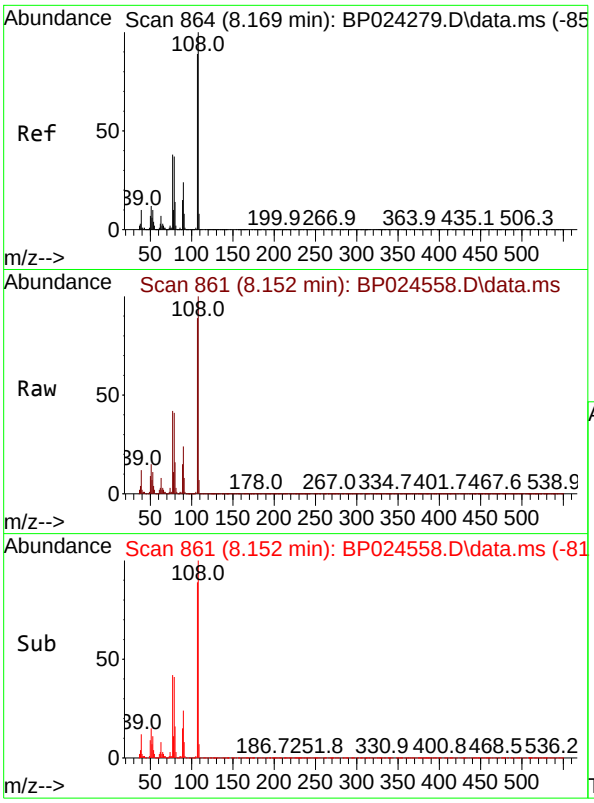


#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.162 ng
RT: 8.216 min Scan# 872
Delta R.T. -0.029 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion: 45 Resp: 555953

Ion	Ratio	Lower	Upper
45	100		
77	17.9	0.0	37.7
79	13.2	0.0	33.5



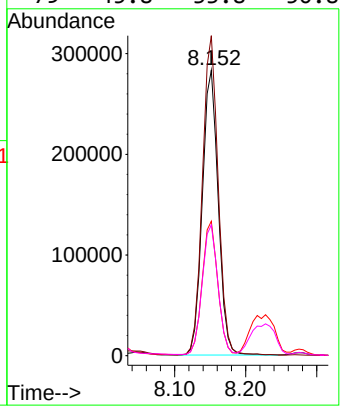


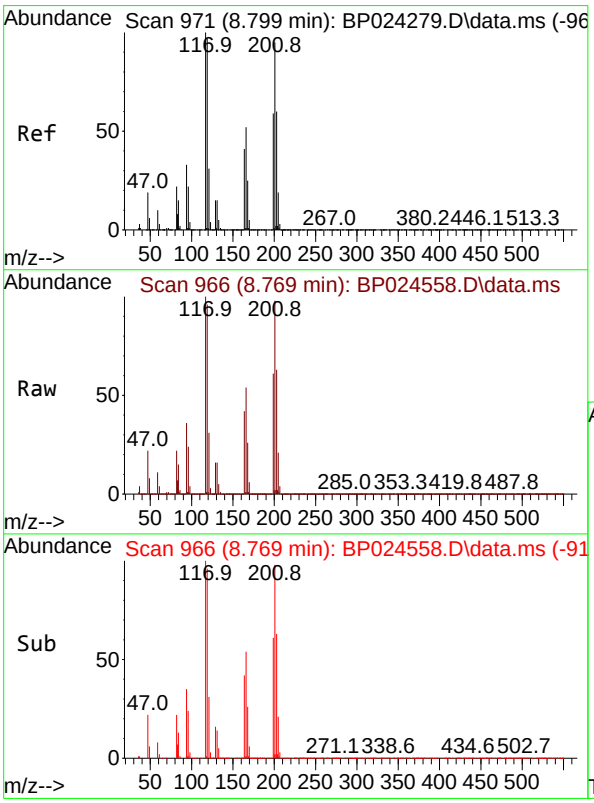
#17
2-Methylphenol
Concen: 38.496 ng
RT: 8.152 min Scan# 8
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 439616

Ion	Ratio	Lower	Upper
107	100		
108	112.1	89.8	134.6
77	47.1	34.2	51.4
79	45.8	33.8	50.8

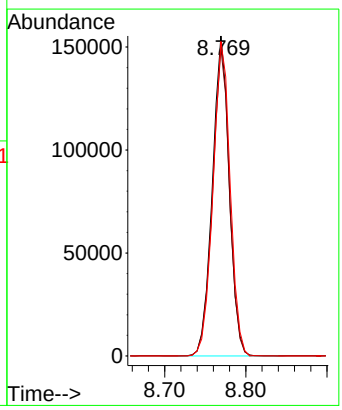


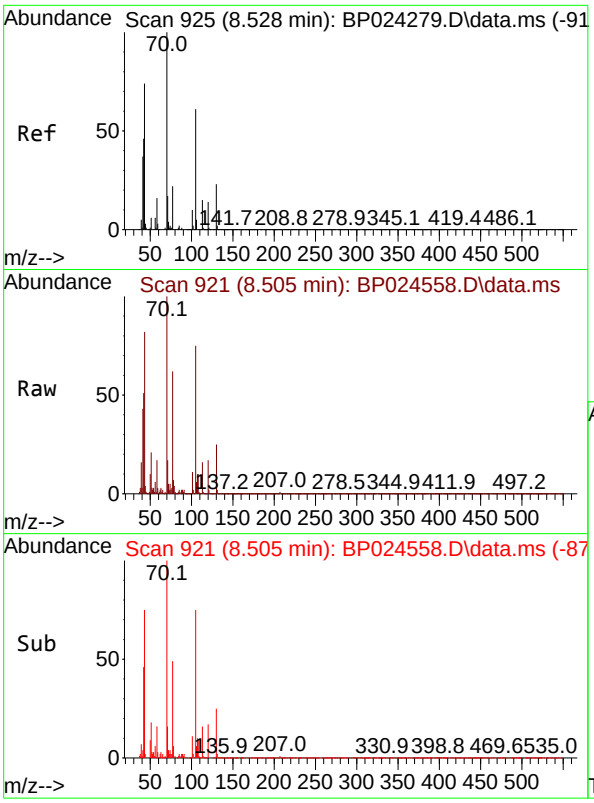


#18
Hexachloroethane
Concen: 39.613 ng
RT: 8.769 min Scan# 966
Delta R.T. -0.023 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:117 Resp: 224374

Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.8	116.6
201	98.3	75.9	113.9



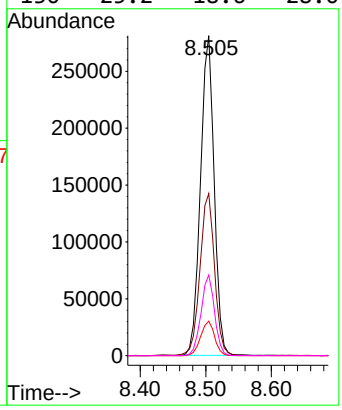


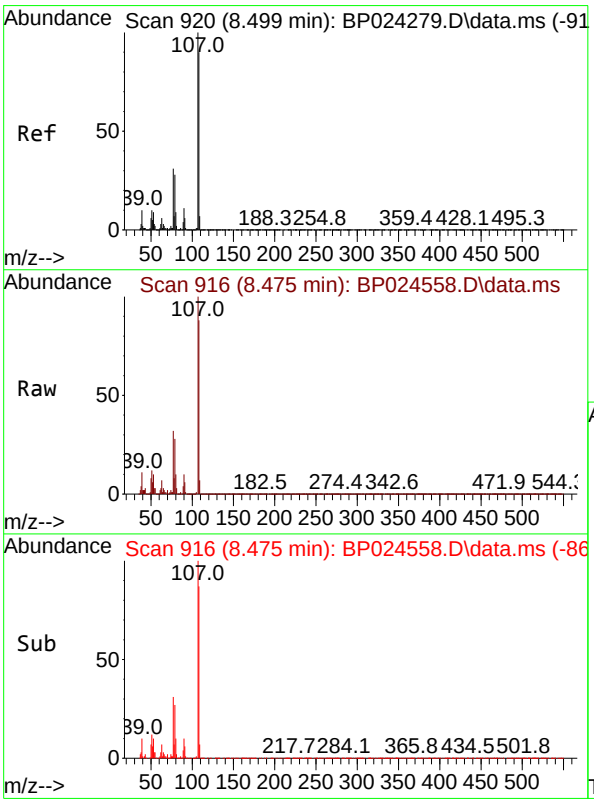
#19
n-Nitroso-di-n-propylamine
Concen: 37.506 ng
RT: 8.505 min Scan# 9
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 408326

Ion	Ratio	Lower	Upper
70	100		
42	50.6	37.3	55.9
101	10.8	8.2	12.4
130	25.2	18.6	28.0

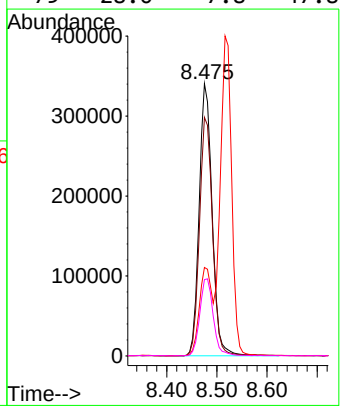


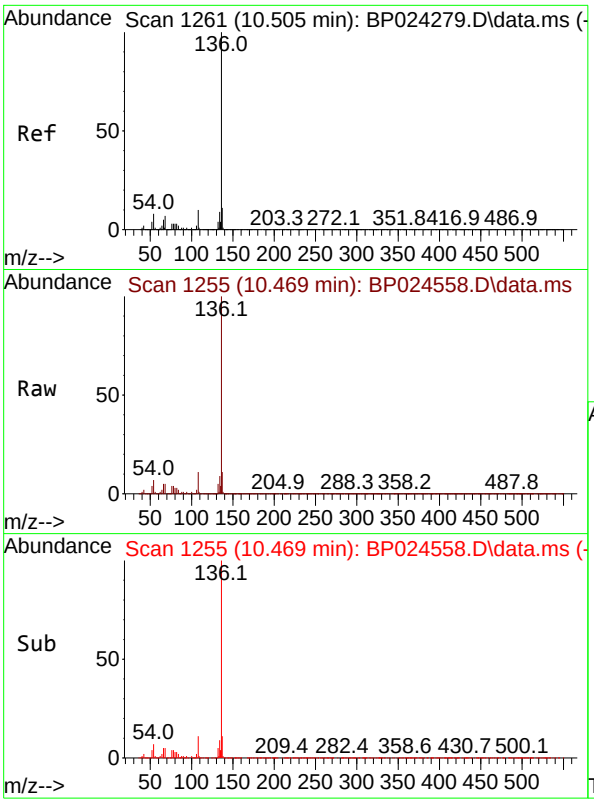


#20
3+4-Methylphenols
Concen: 38.669 ng
RT: 8.475 min Scan# 916
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:107 Resp: 612730

Ion	Ratio	Lower	Upper
107	100		
108	87.6	69.8	109.8
77	32.5	11.5	51.5
79	28.0	7.8	47.8



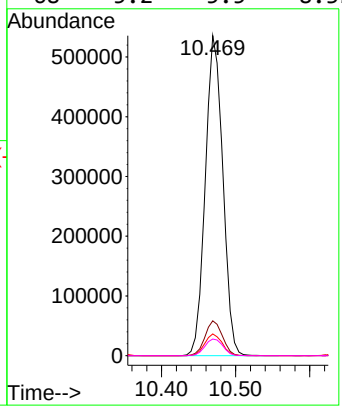


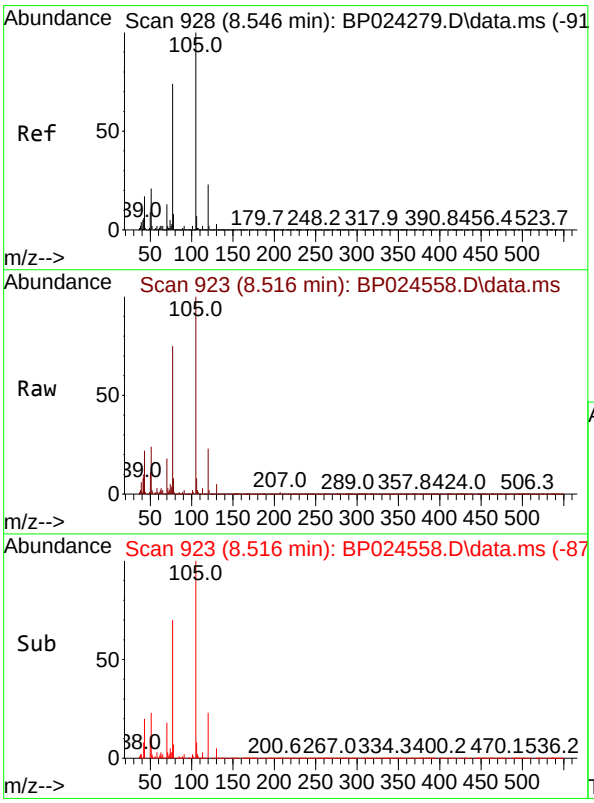
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.469 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 880474

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	6.8	6.0	9.0
68	5.2	5.5	8.3#

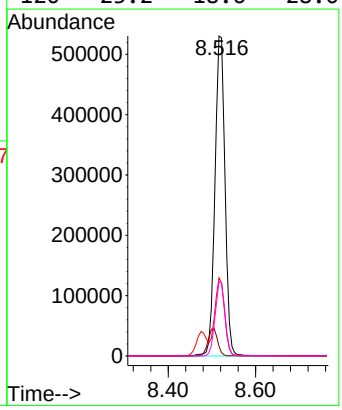


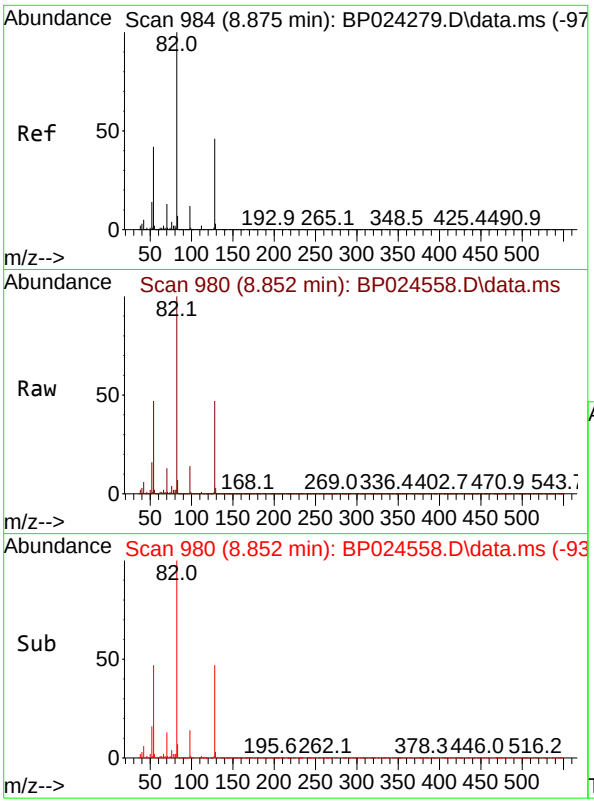


#22
Acetophenone
Concen: 38.780 ng
RT: 8.516 min Scan# 923
Delta R.T. -0.023 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:105 Resp: 845097

Ion	Ratio	Lower	Upper
105	100		
71	3.0	1.7	2.5#
51	24.4	16.9	25.3
120	23.2	18.6	28.0



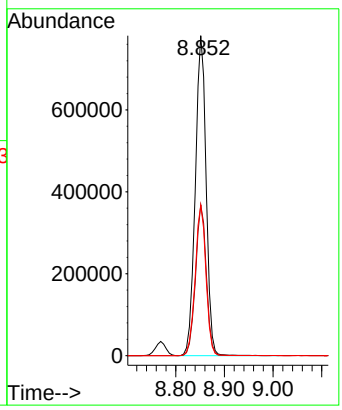


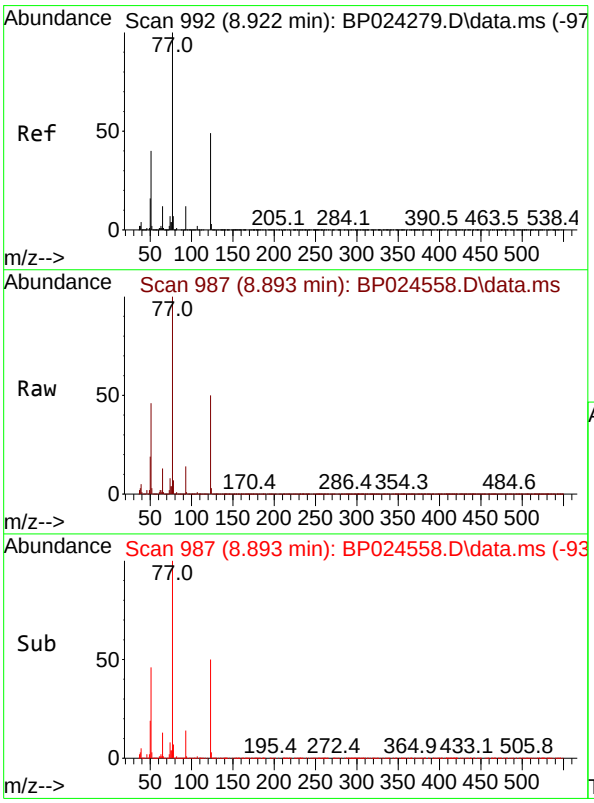
#23
Nitrobenzene-d5
Concen: 78.506 ng
RT: 8.852 min Scan# 9
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1212231

Ion	Ratio	Lower	Upper
82	100		
128	47.1	36.5	54.7
54	47.1	33.4	50.2

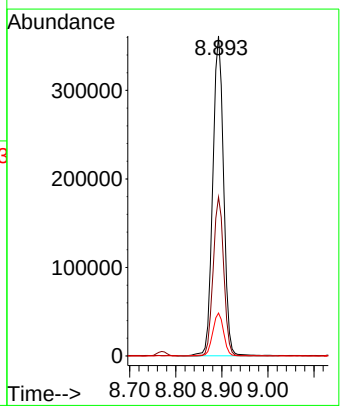


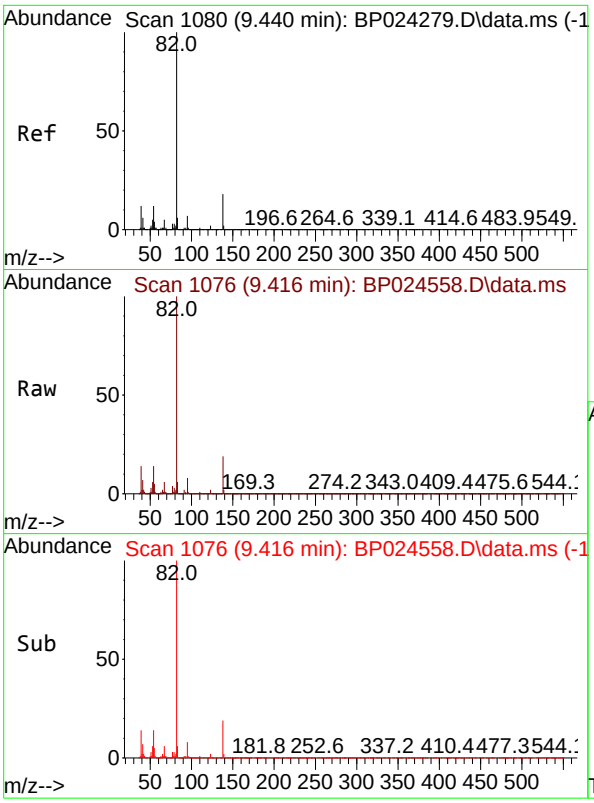


#24
Nitrobenzene
Concen: 38.562 ng
RT: 8.893 min Scan# 987
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion: 77 Resp: 589037

Ion	Ratio	Lower	Upper
77	100		
123	49.6	39.2	58.8
65	13.4	9.8	14.6



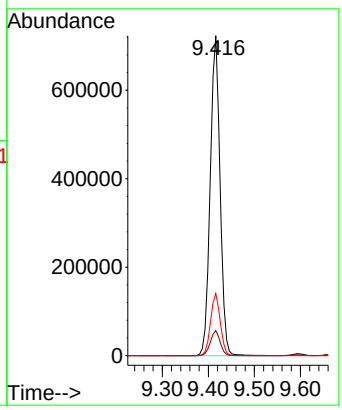


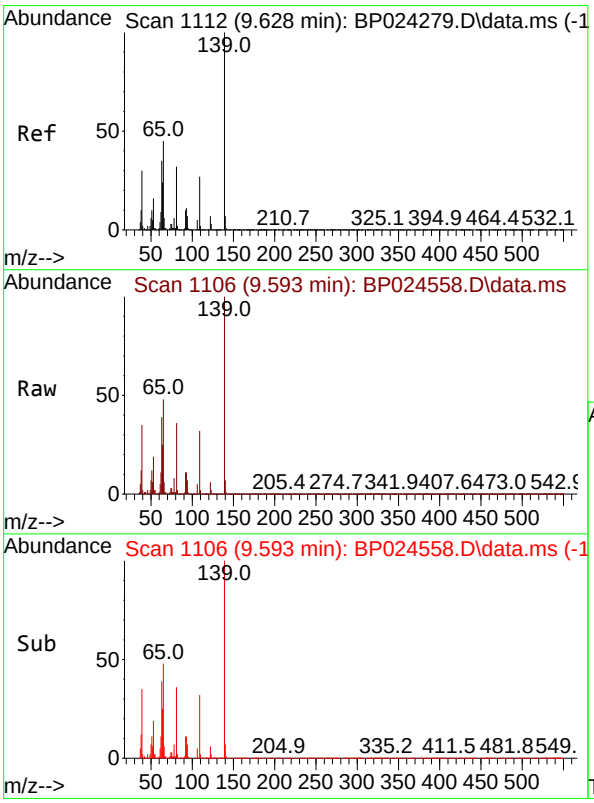
#25
Isophorone
Concen: 38.431 ng
RT: 9.416 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1074123

Ion	Ratio	Lower	Upper
82	100		
95	7.8	5.4	8.2
138	19.5	14.4	21.6

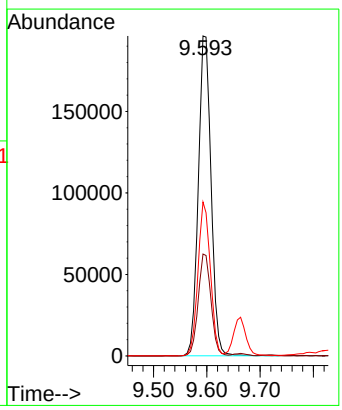


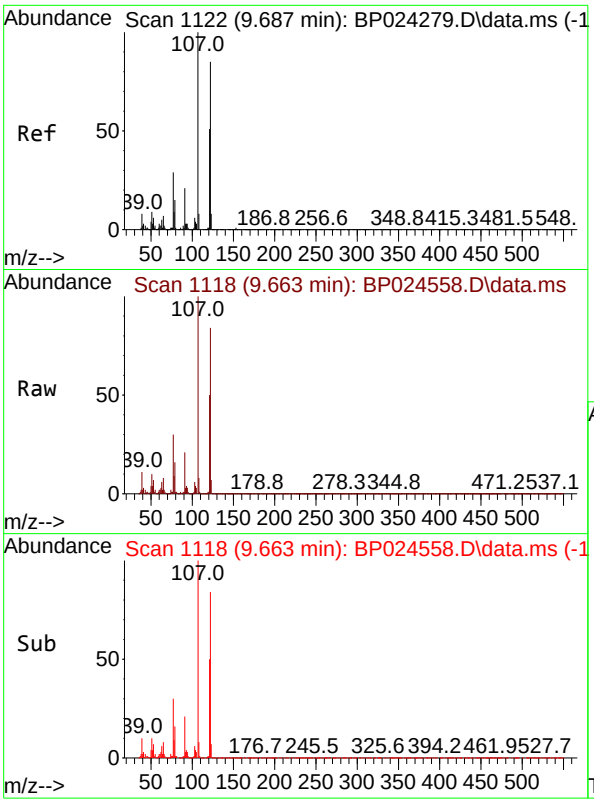


#26
2-Nitrophenol
Concen: 43.601 ng
RT: 9.593 min Scan# 1106
Delta R.T. -0.023 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:139 Resp: 325929

Ion	Ratio	Lower	Upper
139	100		
109	31.9	21.8	32.6
65	48.1	36.2	54.2



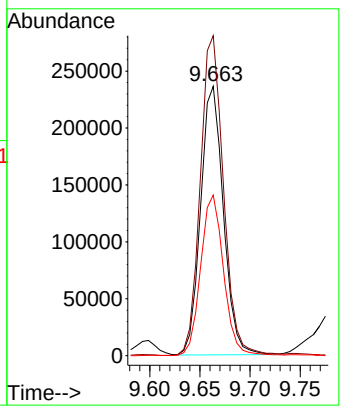


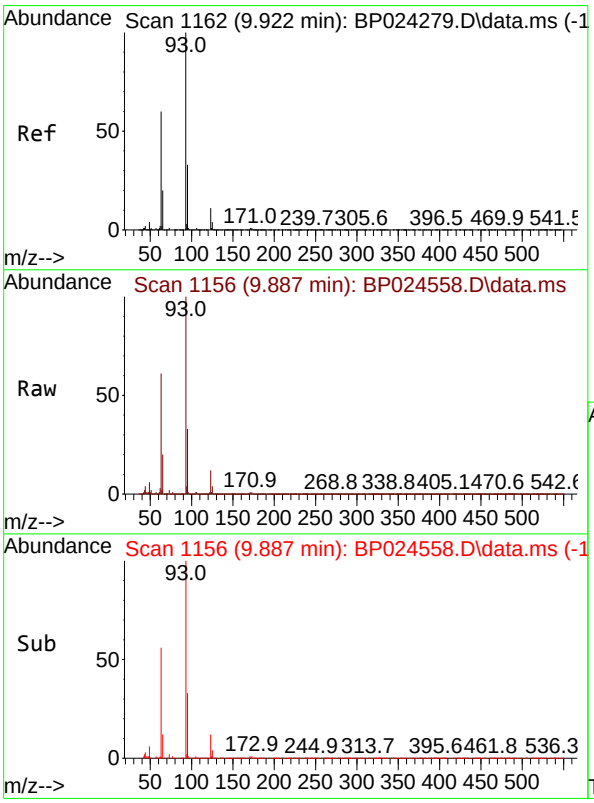
#27
2,4-Dimethylphenol
Concen: 39.777 ng
RT: 9.663 min Scan# 11
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 373359

Ion	Ratio	Lower	Upper
122	100		
107	118.8	93.7	140.5
121	59.6	48.2	72.2

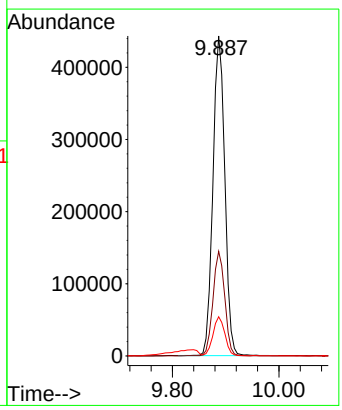


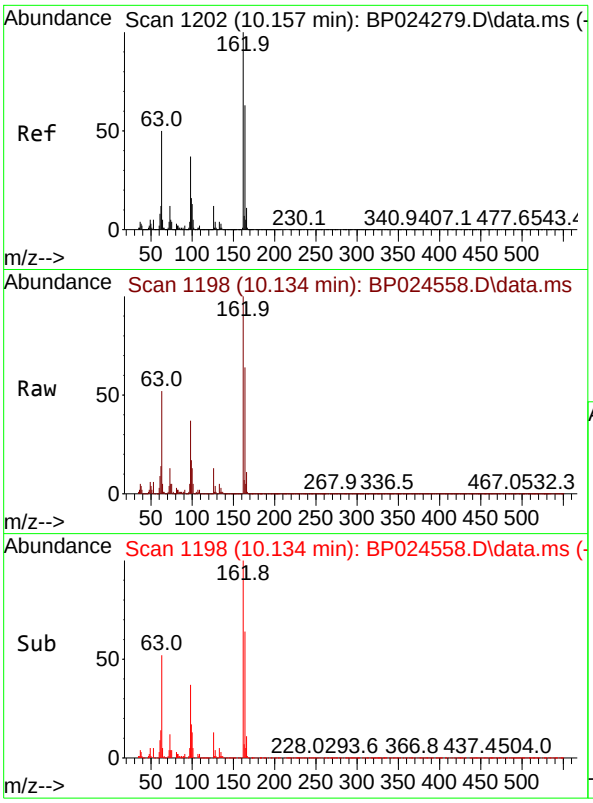


#28
bis(2-Chloroethoxy)methane
Concen: 36.298 ng
RT: 9.887 min Scan# 1156
Delta R.T. -0.023 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion: 93 Resp: 685348

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.0	39.0
123	12.3	9.1	13.7



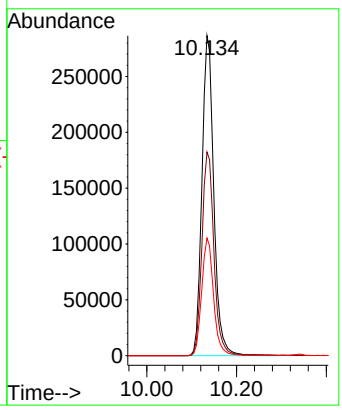


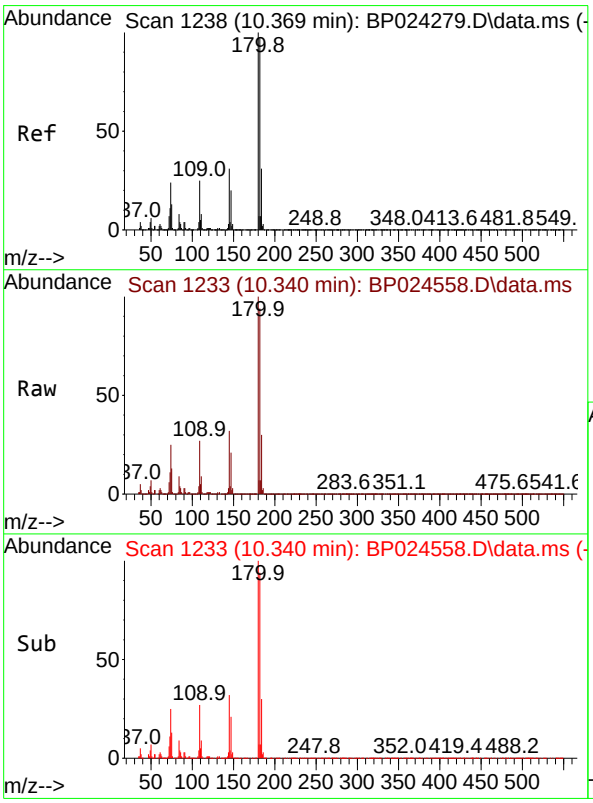
#29
2,4-Dichlorophenol
Concen: 41.081 ng
RT: 10.134 min Scan# 11
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 525754

Ion	Ratio	Lower	Upper
162	100		
164	63.7	43.3	83.3
98	36.8	16.6	56.6

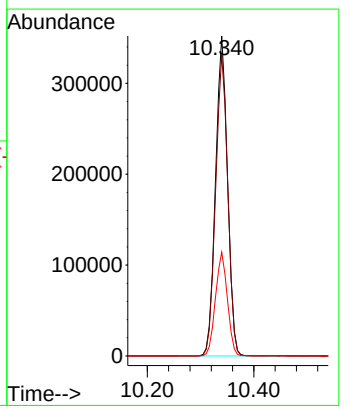


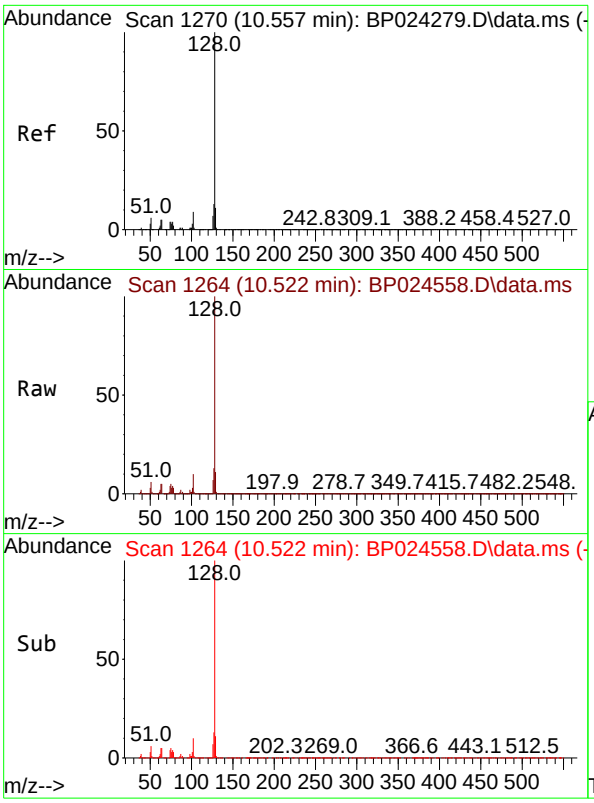


#30
1,2,4-Trichlorobenzene
Concen: 40.087 ng
RT: 10.340 min Scan# 1233
Delta R.T. -0.023 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:180 Resp: 549684

Ion	Ratio	Lower	Upper
180	100		
182	94.2	77.3	115.9
145	32.5	25.1	37.7



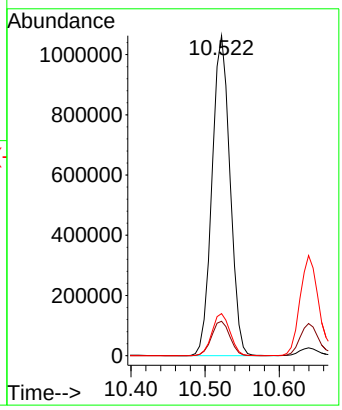


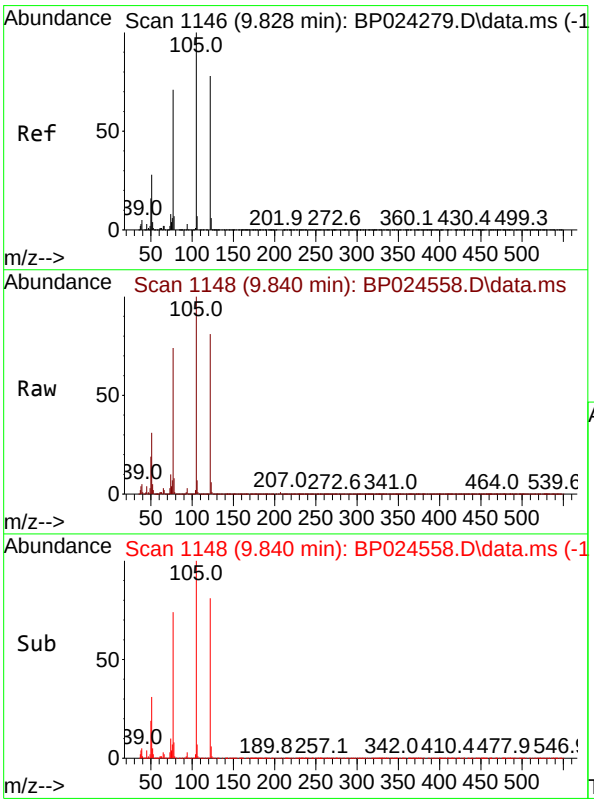
#31
Naphthalene
Concen: 38.574 ng
RT: 10.522 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 1789050

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	13.0
127	13.2	10.3	15.5

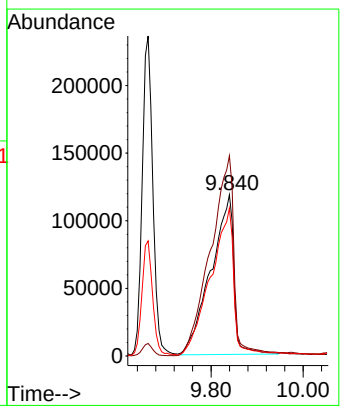


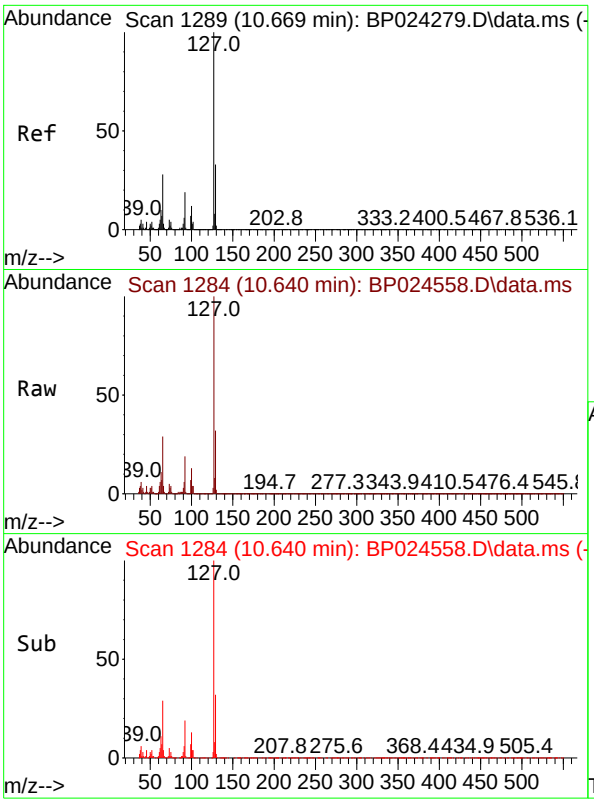


#32
Benzoic acid
Concen: 37.328 ng
RT: 9.840 min Scan# 1148
Delta R.T. 0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:122 Resp: 408256

Ion	Ratio	Lower	Upper
122	100		
105	124.2	104.8	144.8
77	91.7	69.2	109.2



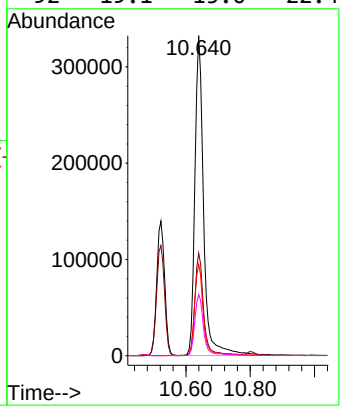


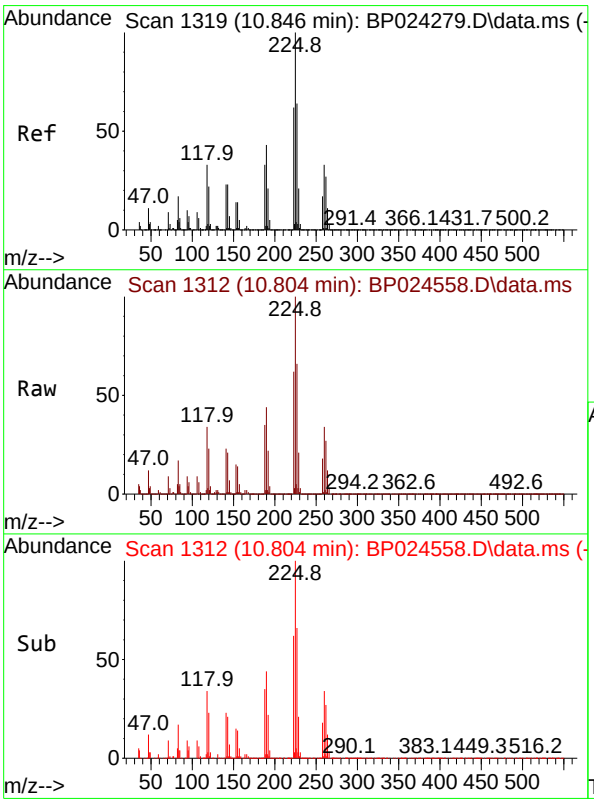
#33
4-Chloroaniline
Concen: 38.605 ng
RT: 10.640 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 630538

Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.1	39.1
65	28.6	22.1	33.1
92	19.1	15.0	22.4

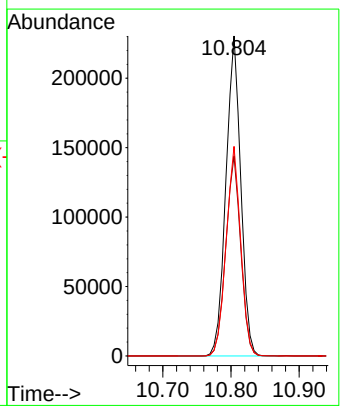


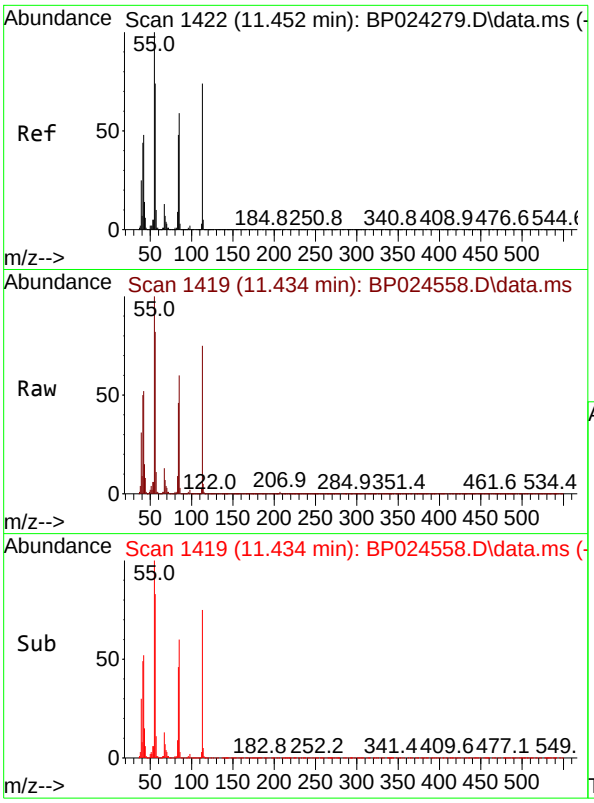


#34
Hexachlorobutadiene
Concen: 43.318 ng
RT: 10.804 min Scan# 1312
Delta R.T. -0.023 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:225 Resp: 349038

Ion	Ratio	Lower	Upper
225	100		
223	62.4	49.5	74.3
227	65.5	50.9	76.3



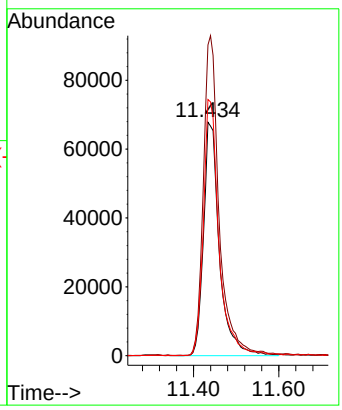


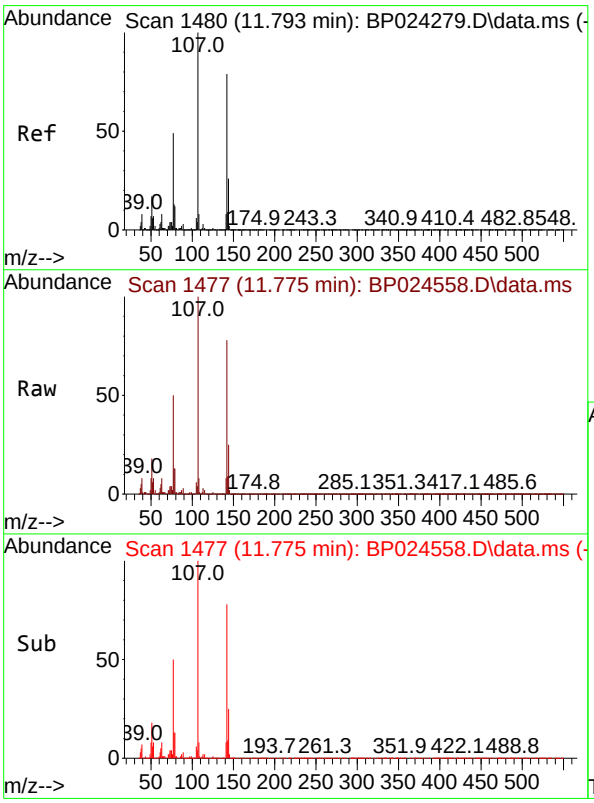
#35
Caprolactam
Concen: 37.215 ng
RT: 11.434 min Scan# 14
Delta R.T. -0.012 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 175740

Ion	Ratio	Lower	Upper
113	100		
55	133.1	115.9	155.9
56	109.7	81.1	121.1

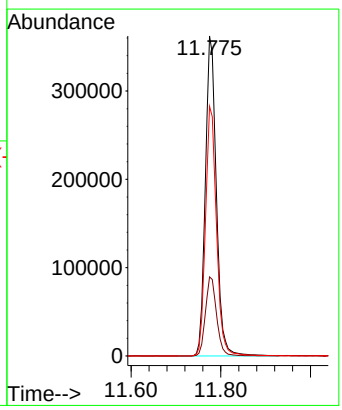


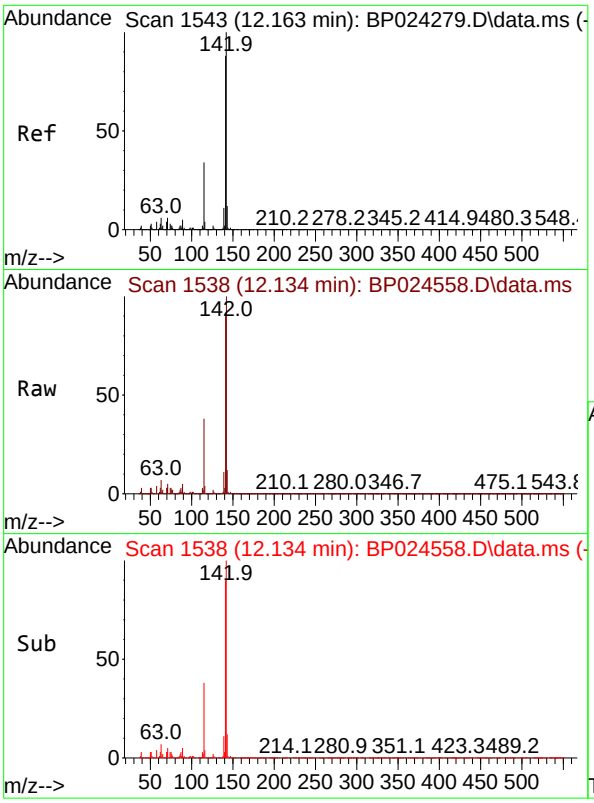


#36
4-Chloro-3-methylphenol
Concen: 41.244 ng
RT: 11.775 min Scan# 1477
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:107 Resp: 614810

Ion	Ratio	Lower	Upper
107	100		
144	24.7	20.5	30.7
142	78.0	63.4	95.2



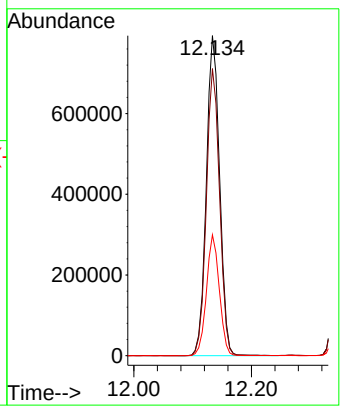


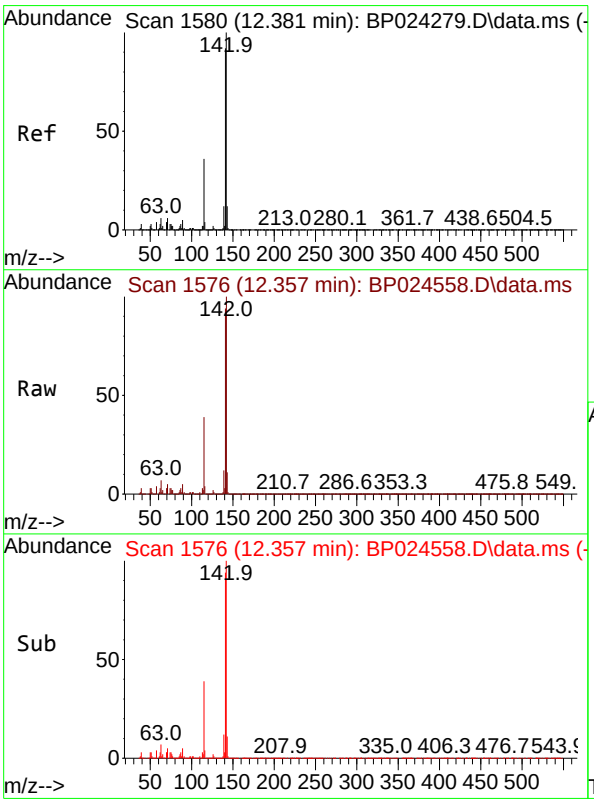
#37
2-Methylnaphthalene
Concen: 38.780 ng
RT: 12.134 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 1247363

Ion	Ratio	Lower	Upper
142	100		
141	89.7	70.3	105.5
115	37.7	26.9	40.3

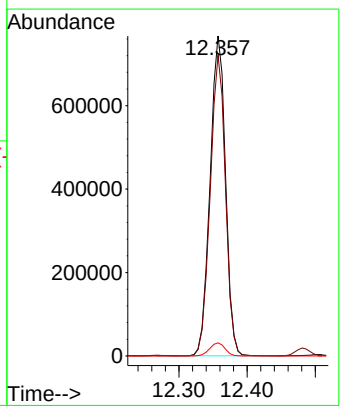


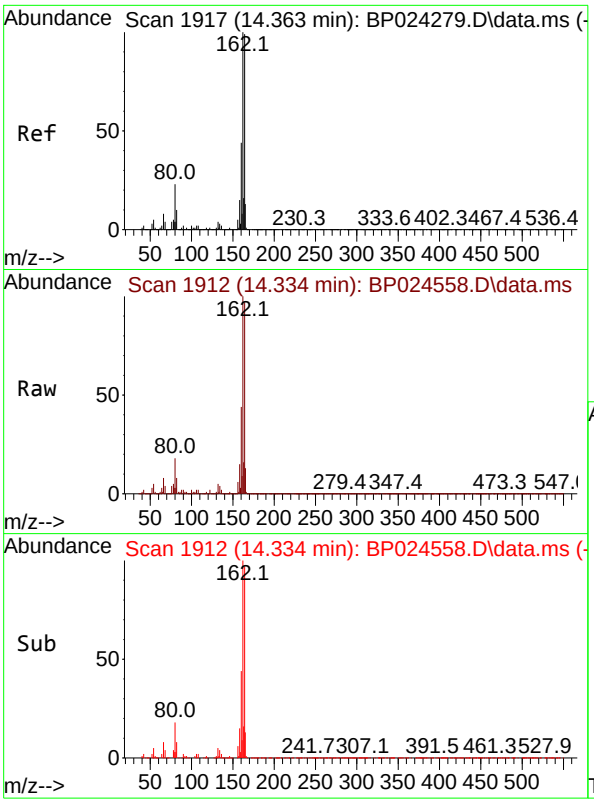


#38
1-Methylnaphthalene
Concen: 38.394 ng
RT: 12.357 min Scan# 1576
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:142 Resp: 1208134

Ion	Ratio	Lower	Upper
142	100		
141	94.0	73.6	110.4
116	4.1	3.0	4.6



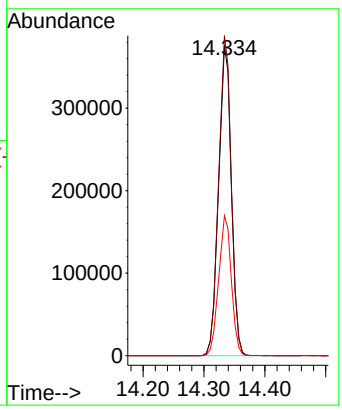


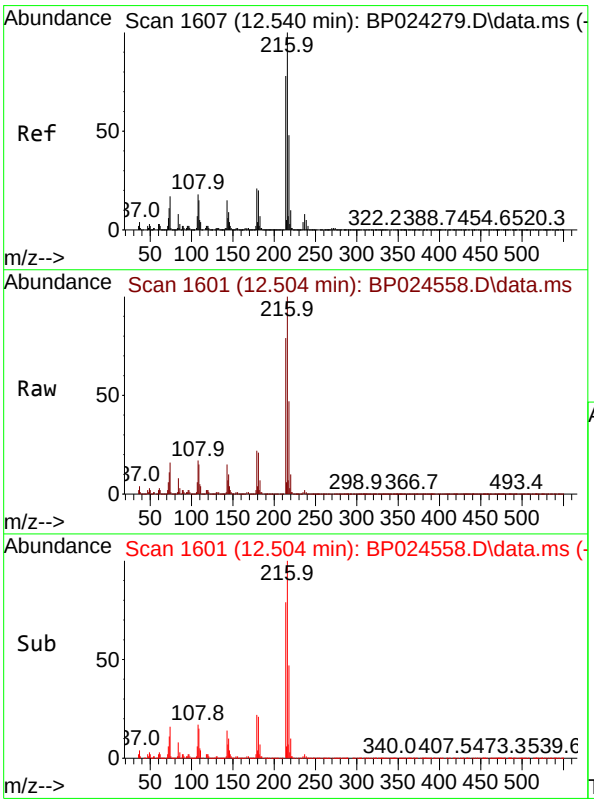
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.334 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 543552

Ion	Ratio	Lower	Upper
164	100		
162	103.0	80.6	120.8
160	45.1	35.3	52.9

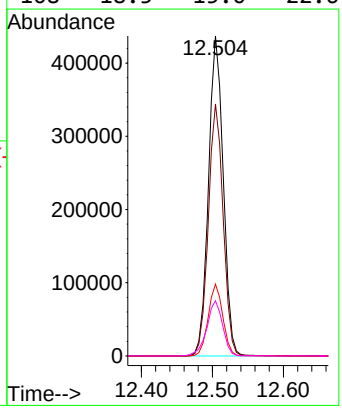


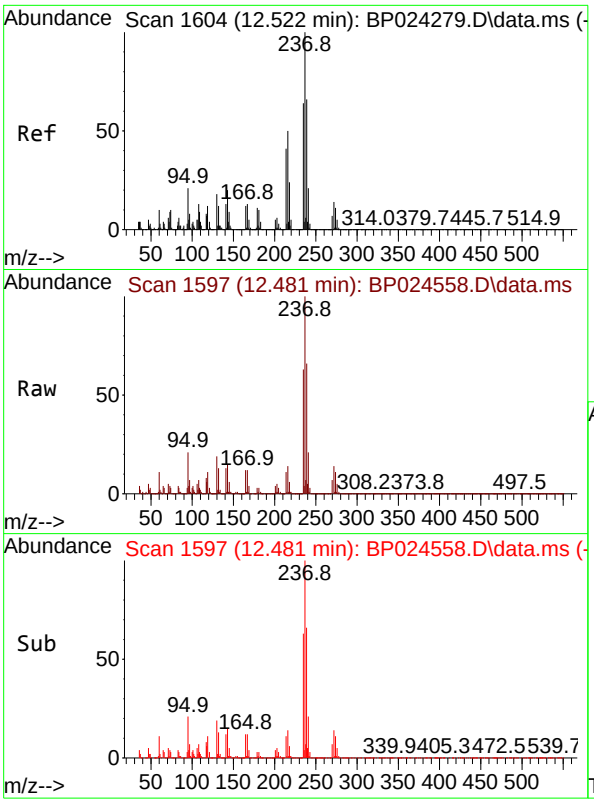


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.304 ng
RT: 12.504 min Scan# 1601
Delta R.T. -0.023 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:216 Resp: 632356

Ion	Ratio	Lower	Upper
216	100		
214	79.1	62.6	93.8
179	22.1	17.2	25.8
108	18.5	15.0	22.6



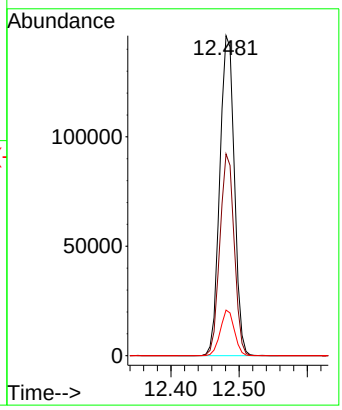


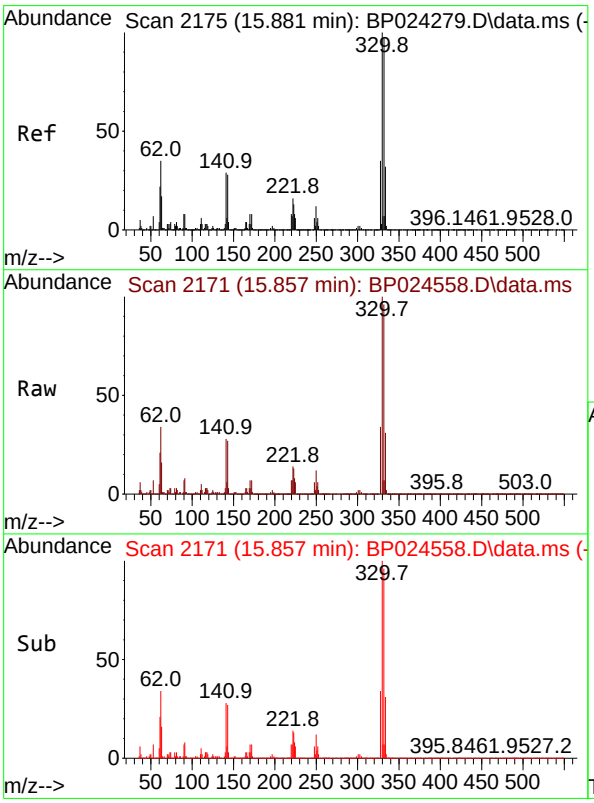
#41
Hexachlorocyclopentadiene
Concen: 41.138 ng
RT: 12.481 min Scan# 1
Delta R.T. -0.029 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 217481

Ion	Ratio	Lower	Upper
237	100		
235	63.0	43.9	83.9
272	14.3	0.0	33.6

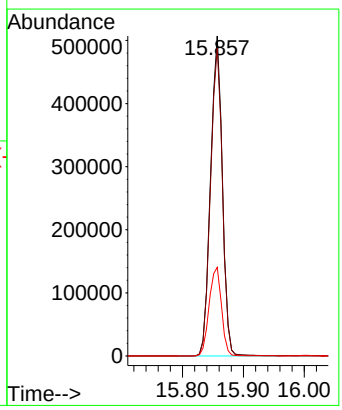


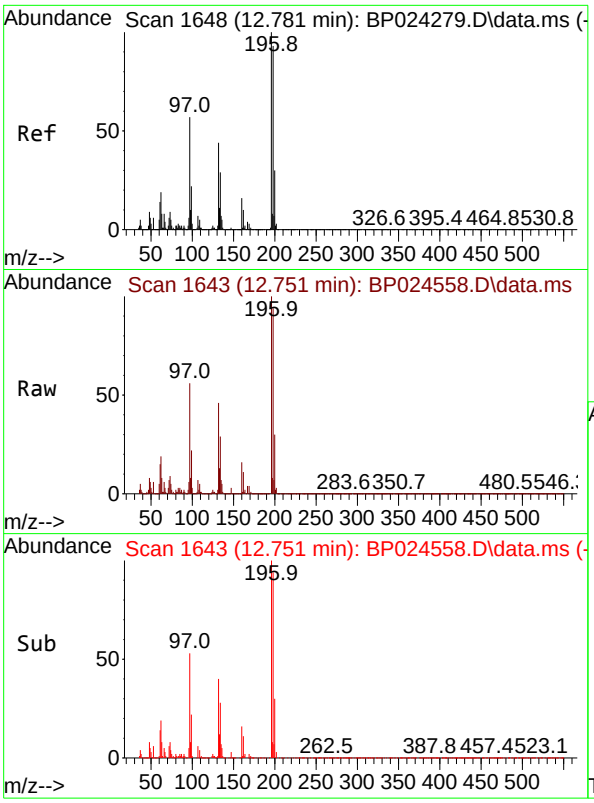


#42
2,4,6-Tribromophenol
Concen: 90.767 ng
RT: 15.857 min Scan# 2171
Delta R.T. -0.006 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:330 Resp: 682599

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.1	115.7
141	29.0	24.7	37.1



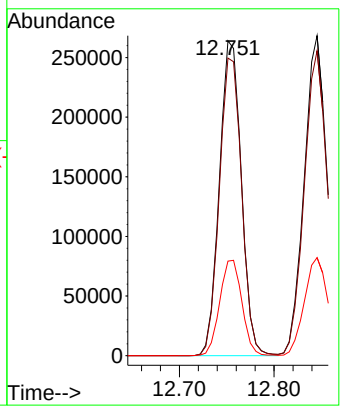


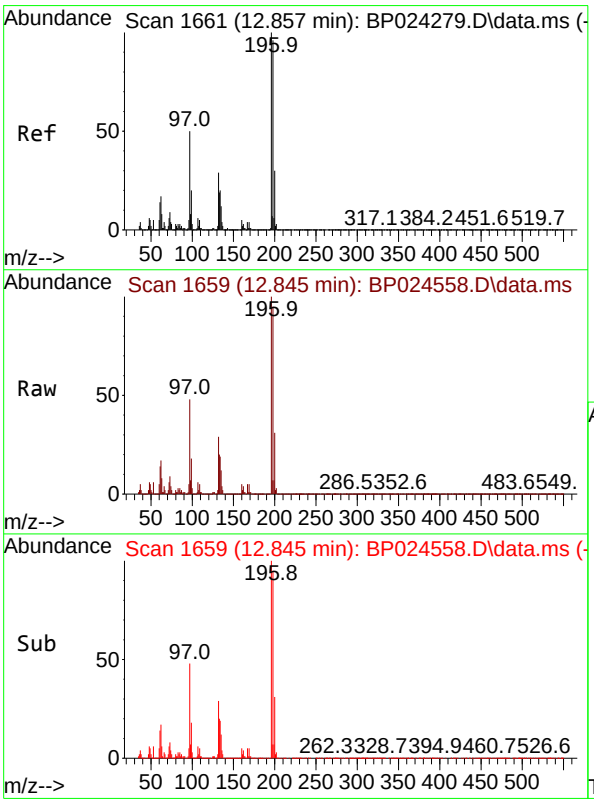
#43
2,4,6-Trichlorophenol
Concen: 42.827 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 425615

Ion	Ratio	Lower	Upper
196	100		
198	94.5	74.3	111.5
200	30.0	24.0	36.0

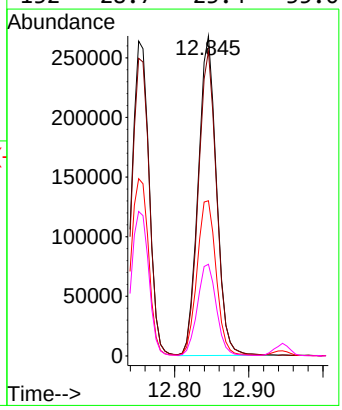


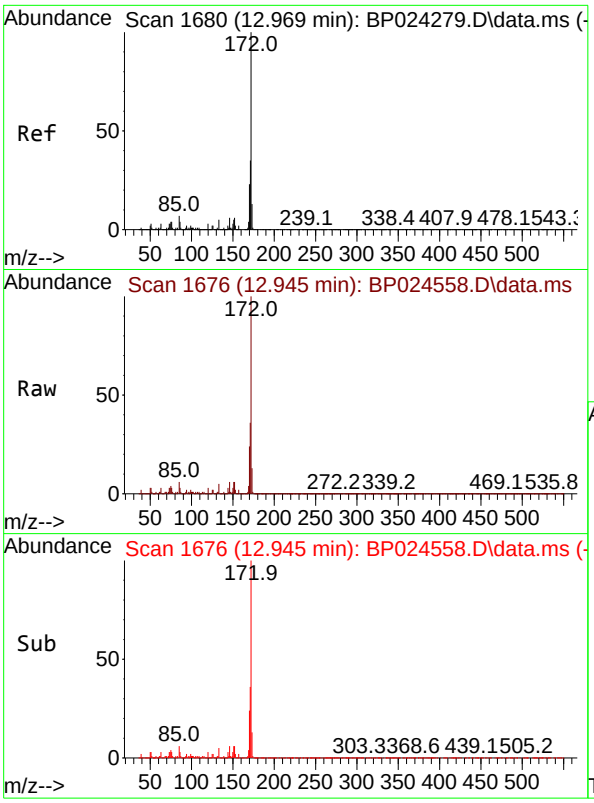


#44
2,4,5-Trichlorophenol
Concen: 41.710 ng
RT: 12.845 min Scan# 1659
Delta R.T. -0.012 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:196 Resp: 459028

Ion	Ratio	Lower	Upper
196	100		
198	95.3	77.3	115.9
97	48.5	40.4	60.6
132	28.7	23.4	35.0



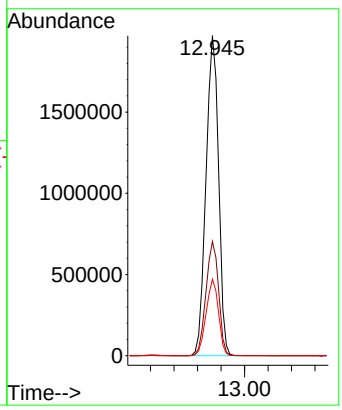


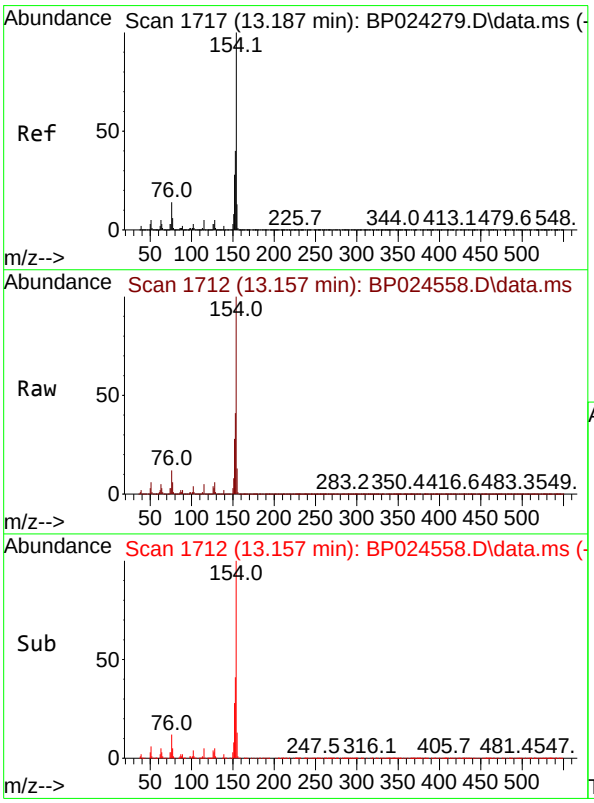
#45
2-Fluorobiphenyl
Concen: 82.130 ng
RT: 12.945 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 2915655

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.2	42.2
170	23.9	18.6	27.8

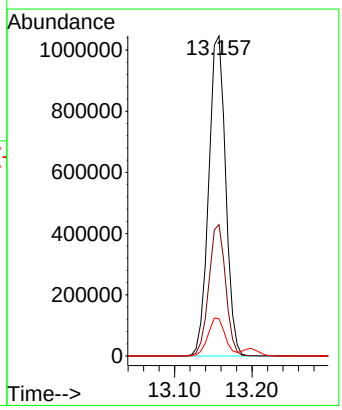


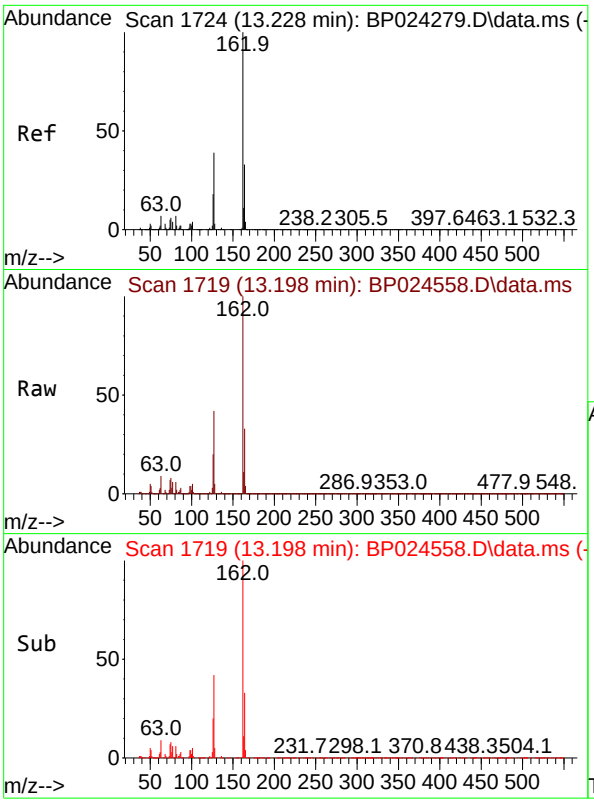


#46
1,1'-Biphenyl
Concen: 39.672 ng
RT: 13.157 min Scan# 1712
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:154 Resp: 1585069

Ion	Ratio	Lower	Upper
154	100		
153	41.0	20.3	60.3
76	11.6	0.0	33.5



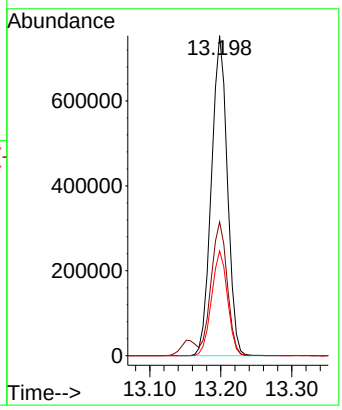


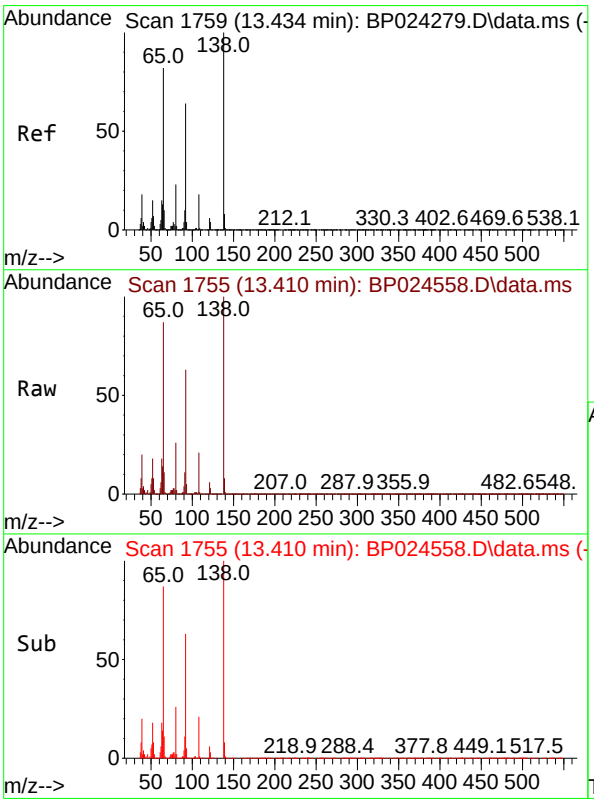
#47
2-Chloronaphthalene
Concen: 39.317 ng
RT: 13.198 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 1174058

Ion	Ratio	Lower	Upper
162	100		
127	41.8	31.9	47.9
164	32.7	26.2	39.4

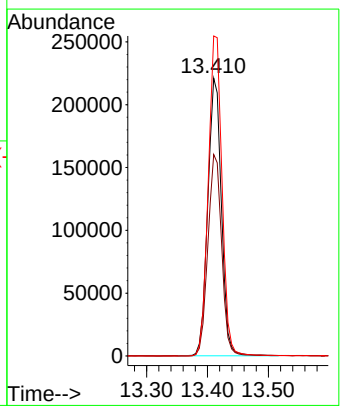


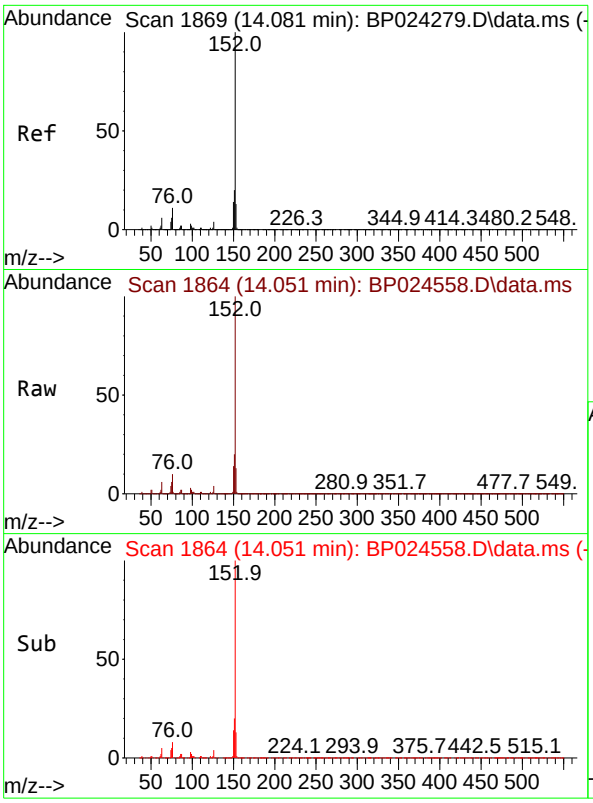


#48
2-Nitroaniline
Concen: 41.033 ng
RT: 13.410 min Scan# 1755
Delta R.T. -0.012 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion: 65 Resp: 343699

Ion	Ratio	Lower	Upper
65	100		
92	72.5	62.3	93.5
138	115.2	97.2	145.8



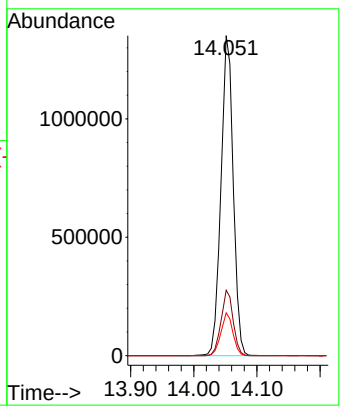


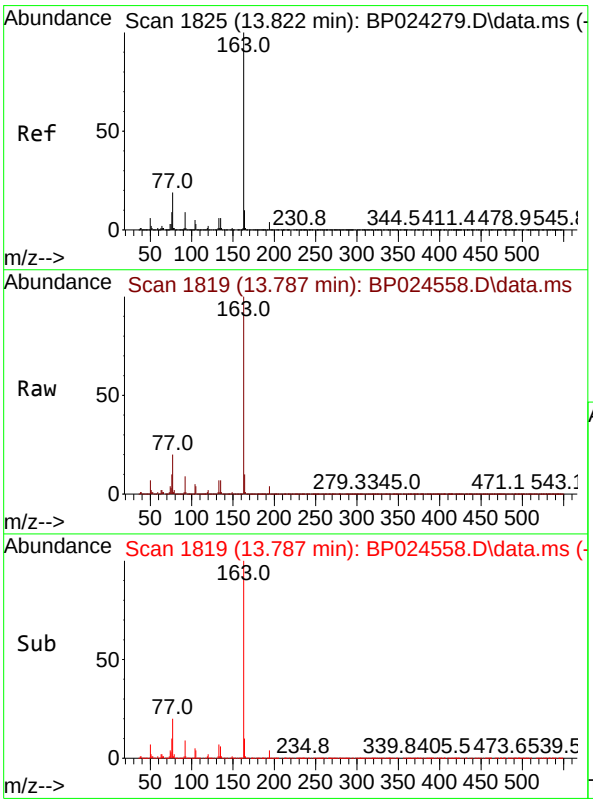
#49
Acenaphthylene
Concen: 38.797 ng
RT: 14.051 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 1824004

Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.9	23.9
153	13.4	10.6	15.8

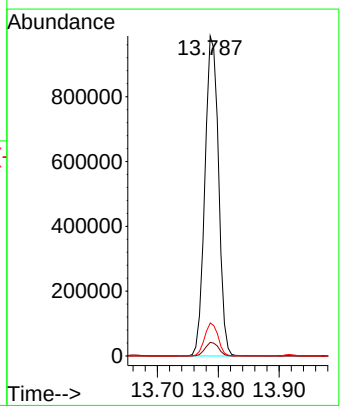


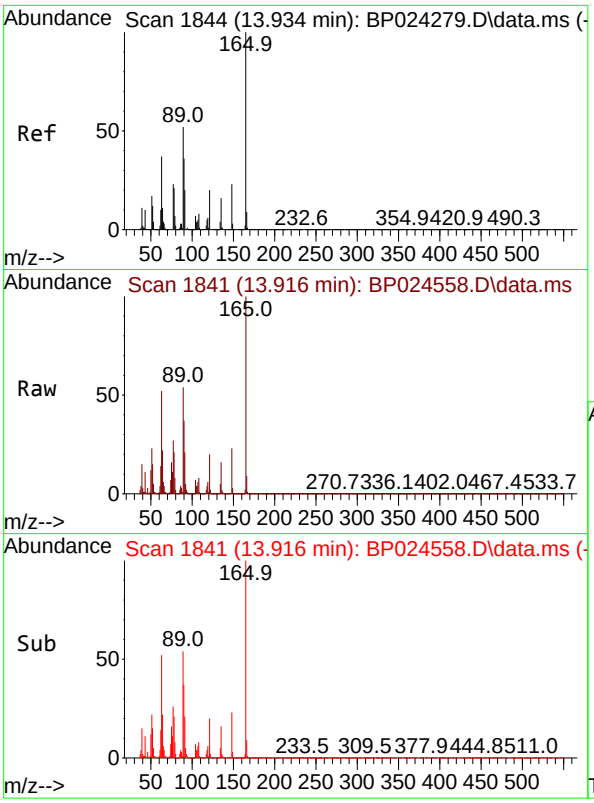


#50
Dimethylphthalate
Concen: 38.821 ng
RT: 13.787 min Scan# 1819
Delta R.T. -0.023 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:163 Resp: 1534513

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.3	8.0	12.0



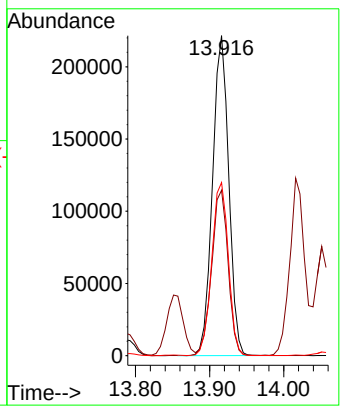


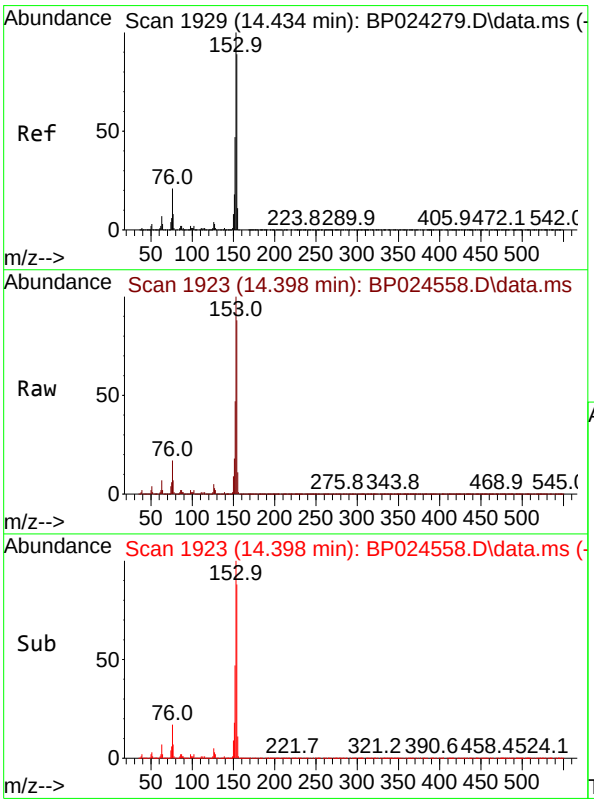
#51
2,6-Dinitrotoluene
Concen: 40.059 ng
RT: 13.916 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 336243

Ion	Ratio	Lower	Upper
165	100		
63	51.7	38.0	57.0
89	54.1	41.7	62.5

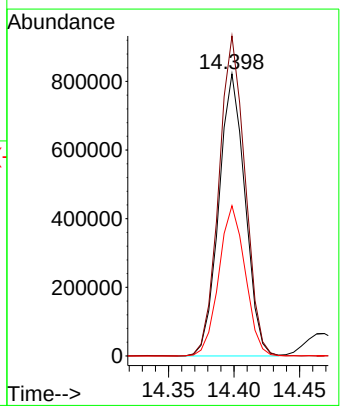


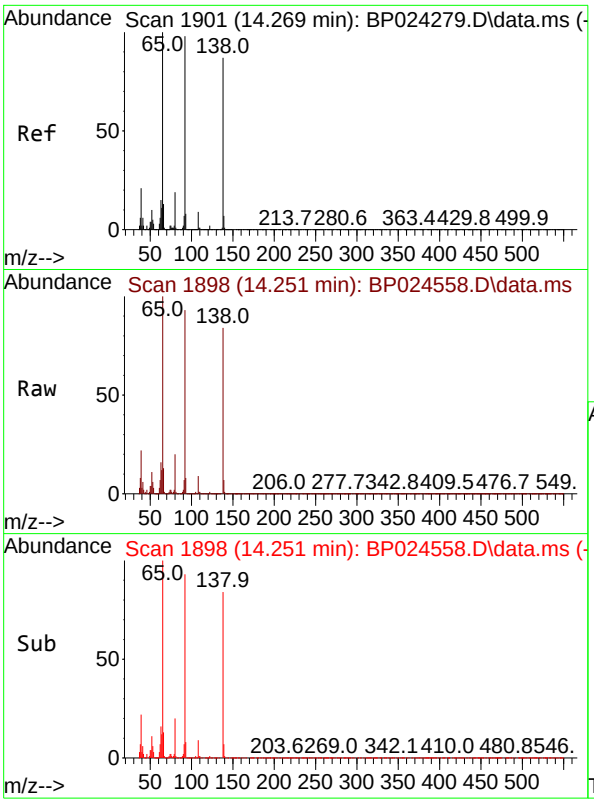


#52
Acenaphthene
Concen: 38.265 ng
RT: 14.398 min Scan# 1923
Delta R.T. -0.023 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:154 Resp: 1140518

Ion	Ratio	Lower	Upper
154	100		
153	113.4	89.8	134.6
152	53.3	42.6	63.8



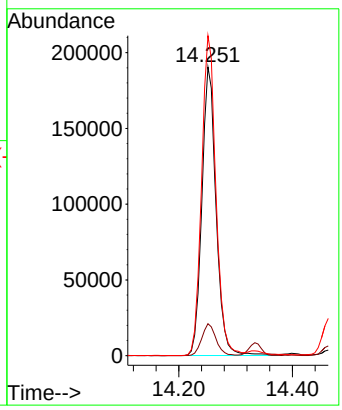


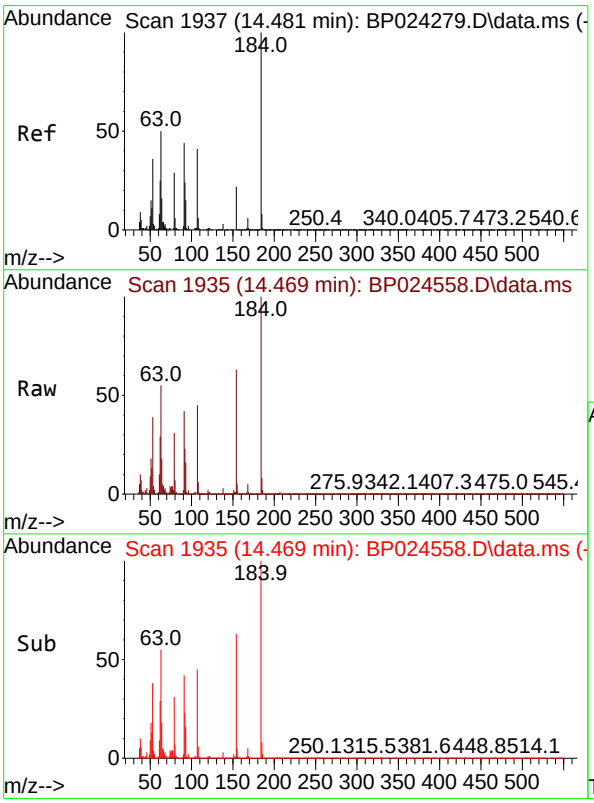
#53
3-Nitroaniline
Concen: 37.414 ng
RT: 14.251 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 330060

Ion	Ratio	Lower	Upper
138	100		
108	11.1	8.3	12.5
92	110.8	89.8	134.8

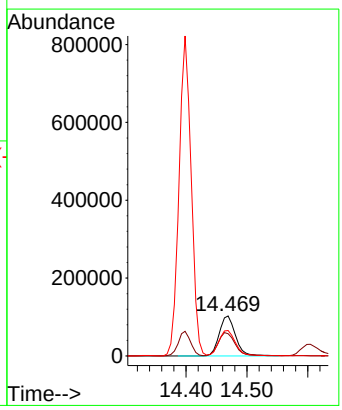


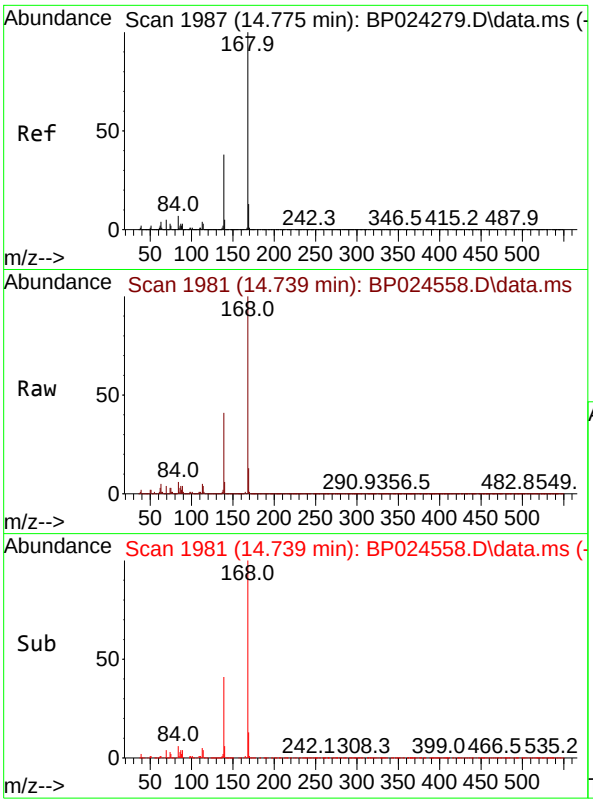


#54
2,4-Dinitrophenol
Concen: 38.555 ng
RT: 14.469 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:184 Resp: 190627

Ion	Ratio	Lower	Upper
184	100		
63	55.5	42.6	64.0
154	63.5	47.2	70.8



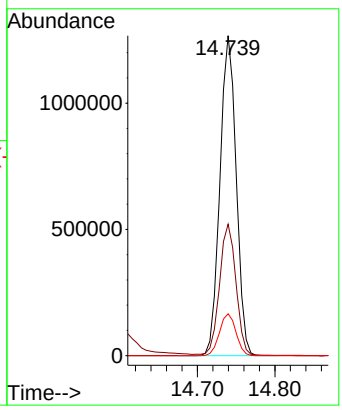


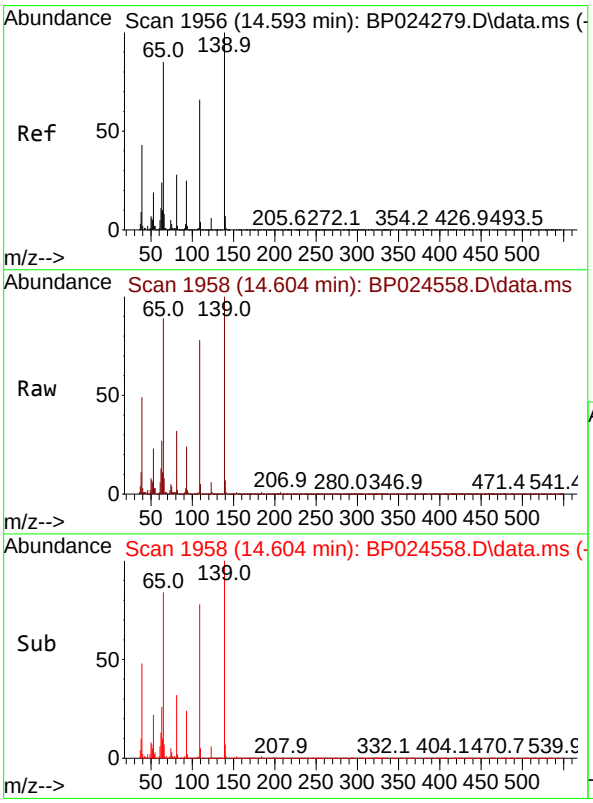
#55
Dibenzofuran
Concen: 37.935 ng
RT: 14.739 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 1848148

Ion	Ratio	Lower	Upper
168	100		
139	41.1	30.3	45.5
169	13.1	10.6	16.0

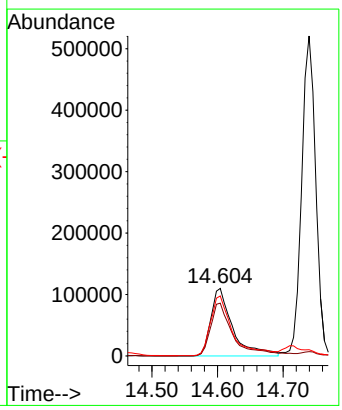


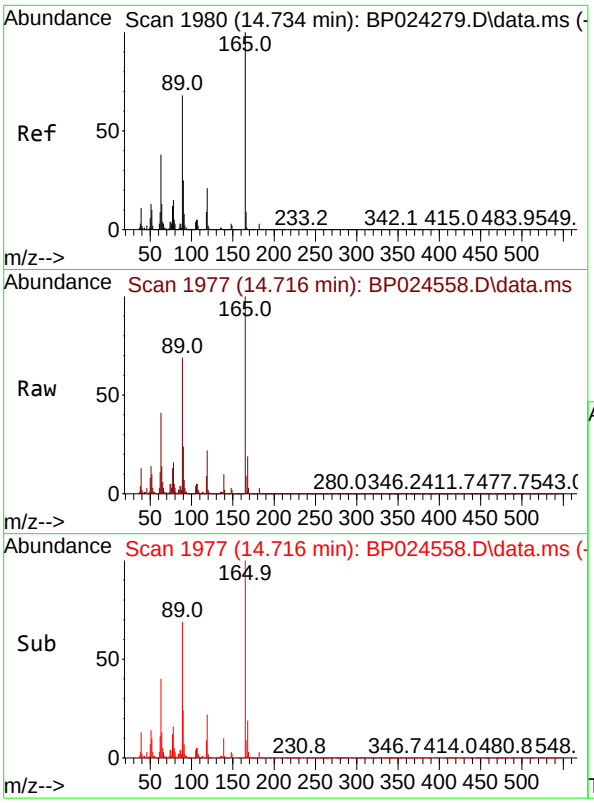


#56
4-Nitrophenol
Concen: 33.429 ng
RT: 14.604 min Scan# 1958
Delta R.T. 0.012 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:139 Resp: 254697

Ion	Ratio	Lower	Upper
139	100		
109	78.1	46.1	86.1
65	88.7	65.0	105.0



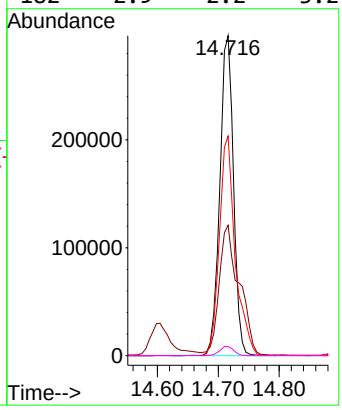


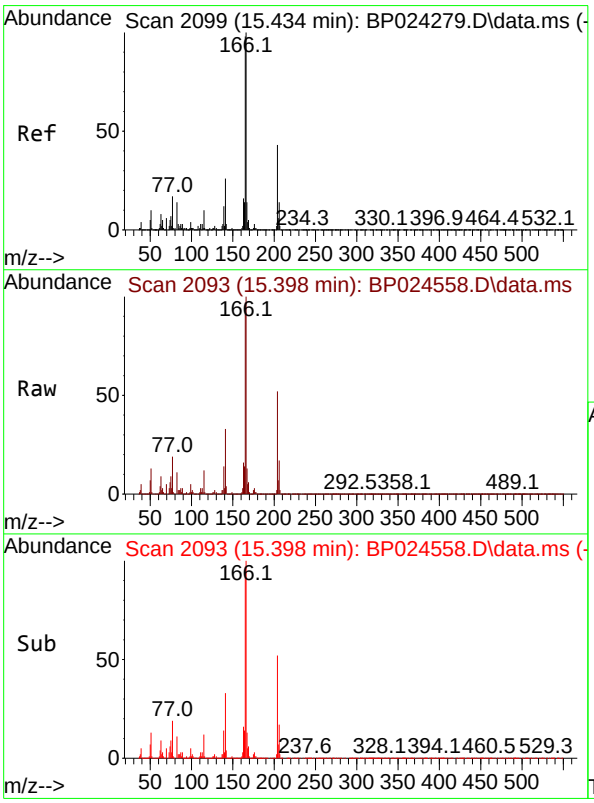
#57
2,4-Dinitrotoluene
Concen: 40.250 ng
RT: 14.716 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 460860

Ion	Ratio	Lower	Upper
165	100		
63	40.7	30.4	45.6
89	68.7	54.6	82.0
182	2.9	2.2	3.2

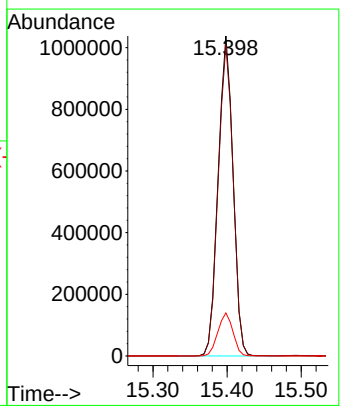


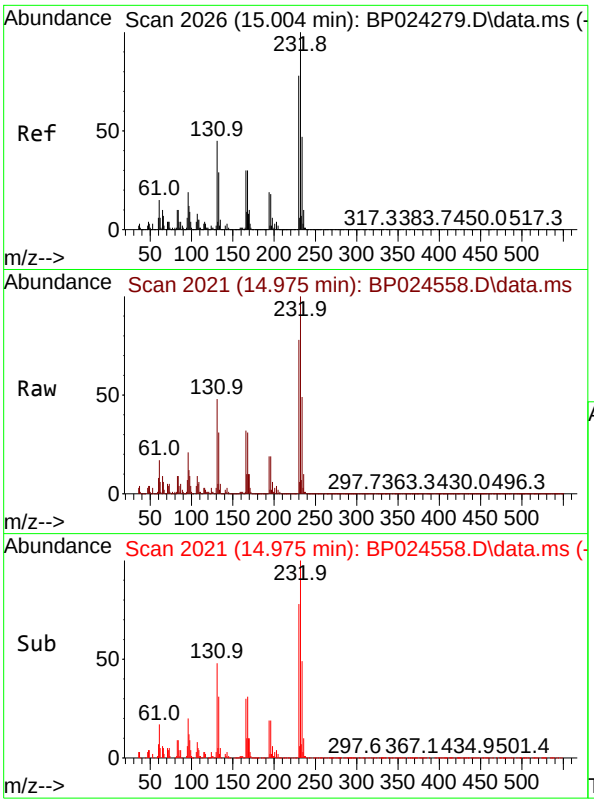


#58
Fluorene
Concen: 38.488 ng
RT: 15.398 min Scan# 2093
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:166 Resp: 1451582

Ion	Ratio	Lower	Upper
166	100		
165	97.1	78.1	117.1
167	13.5	10.9	16.3



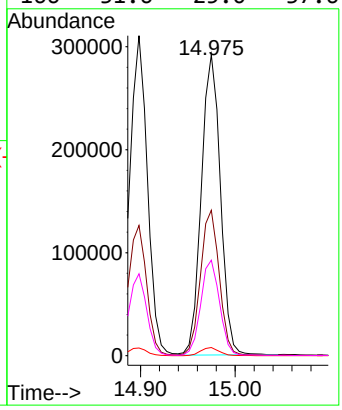


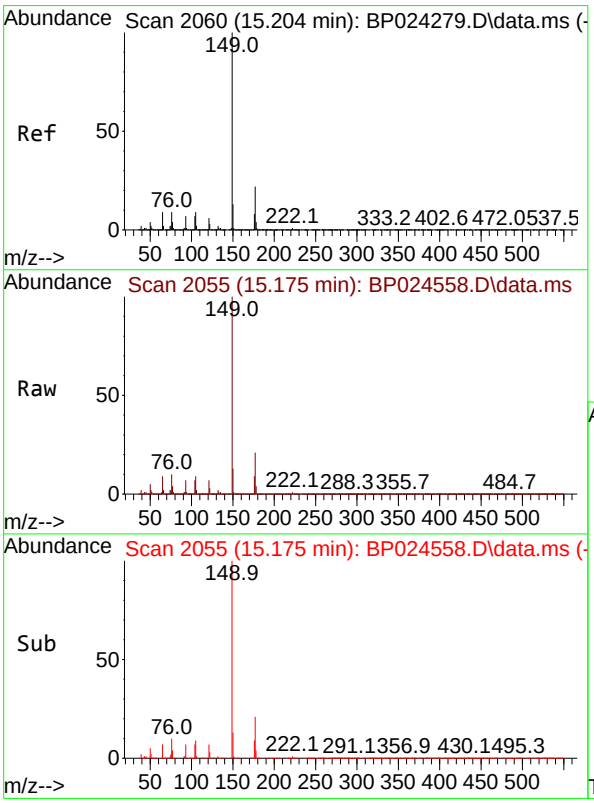
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.053 ng
RT: 14.975 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 406546

Ion	Ratio	Lower	Upper
232	100		
131	48.0	36.8	55.2
130	2.7	1.9	2.9
166	31.6	25.0	37.6

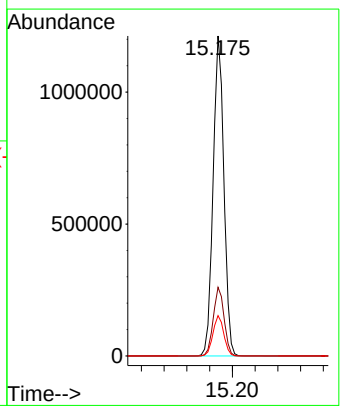


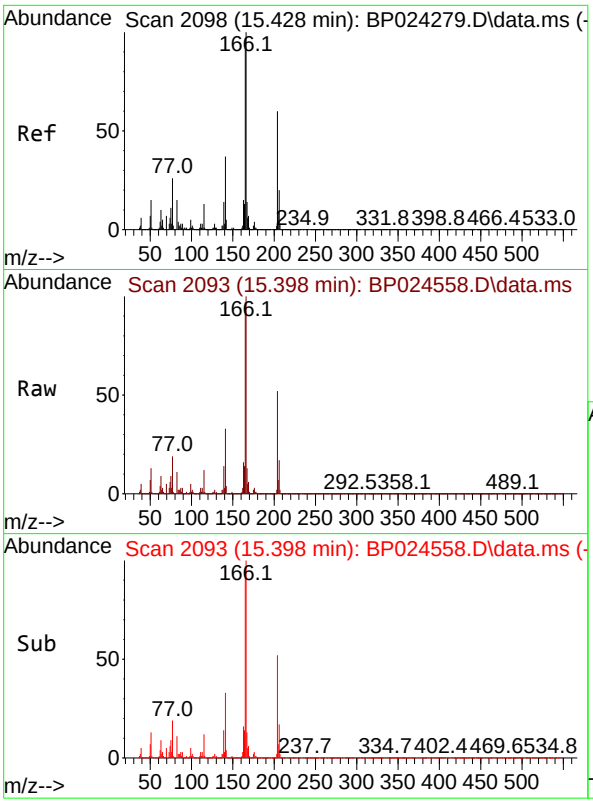


#60
Diethylphthalate
Concen: 39.030 ng
RT: 15.175 min Scan# 2055
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:149 Resp: 1589874

Ion	Ratio	Lower	Upper
149	100		
177	21.4	17.4	26.2
150	12.6	10.1	15.1



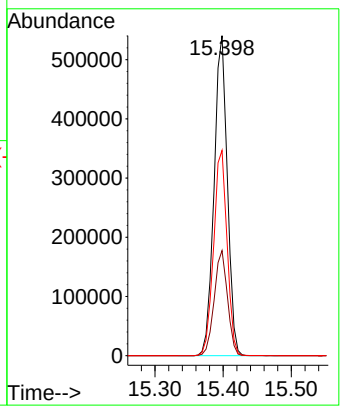


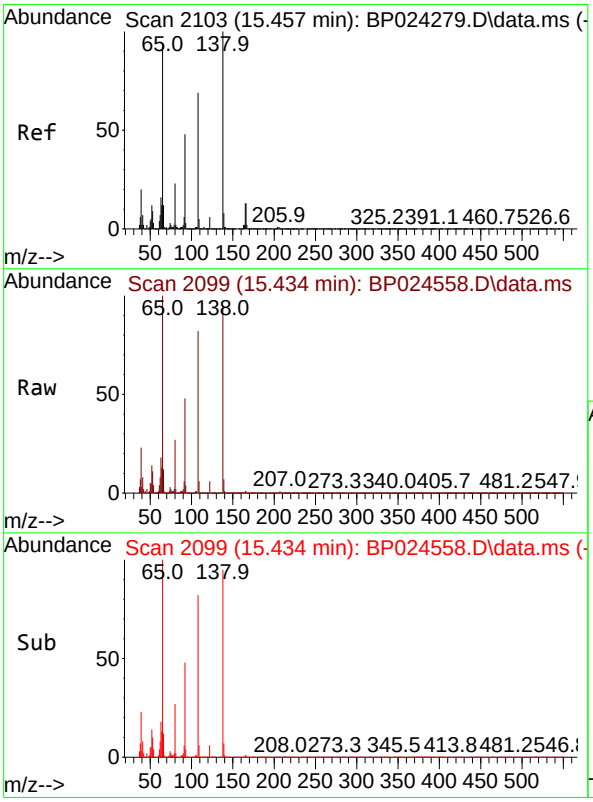
#61
4-Chlorophenyl-phenylether
Concen: 39.960 ng
RT: 15.398 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 731849

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.5	39.7
141	64.2	49.4	74.0

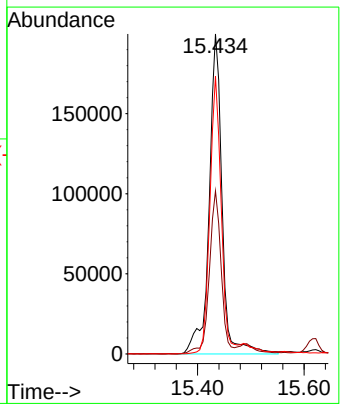


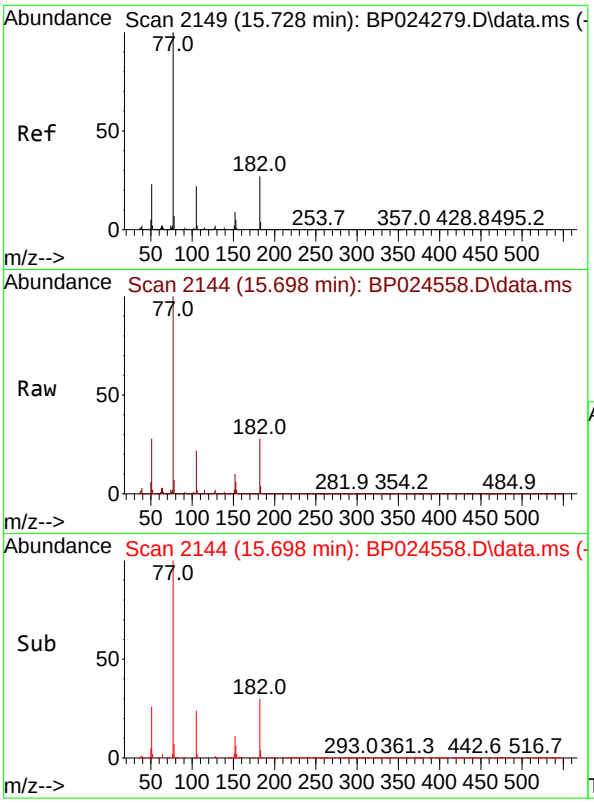


#62
4-Nitroaniline
Concen: 36.208 ng
RT: 15.434 min Scan# 2099
Delta R.T. -0.006 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:138 Resp: 338145

Ion	Ratio	Lower	Upper
138	100		
92	50.9	27.8	67.8
108	86.8	48.9	88.9



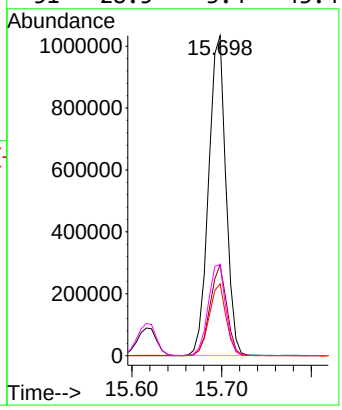


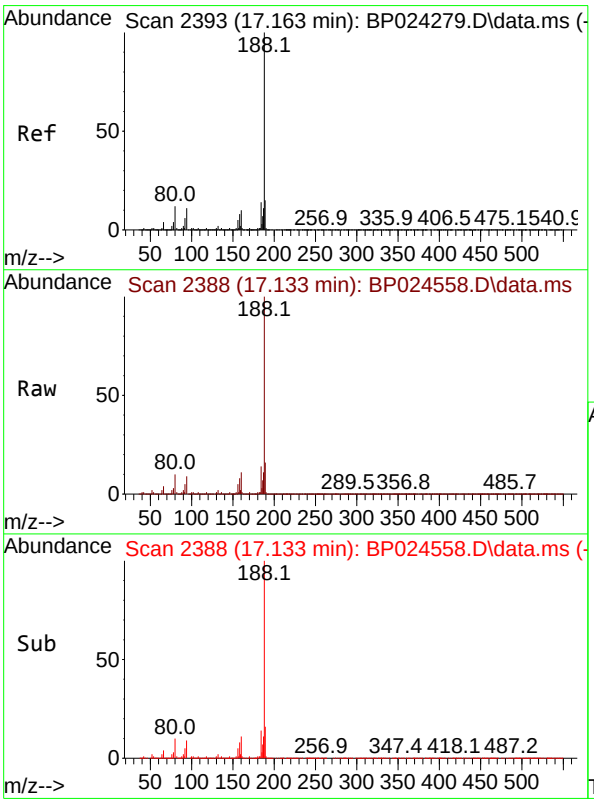
#63
Azobenzene
Concen: 36.753 ng
RT: 15.698 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 1376020

Ion	Ratio	Lower	Upper
77	100		
182	28.4	7.3	47.3
105	22.5	2.3	42.3
51	28.5	3.4	43.4

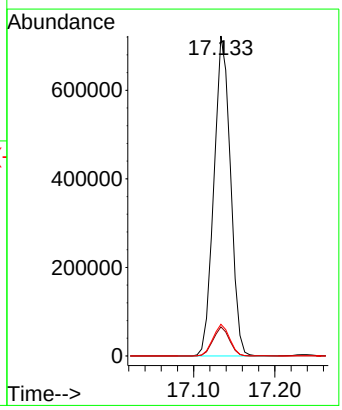


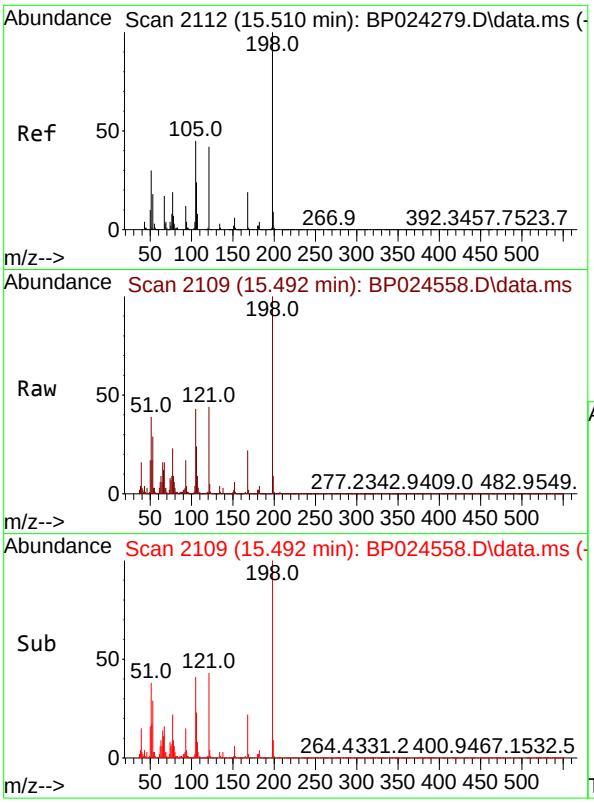


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.133 min Scan# 2388
Delta R.T. -0.012 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:188 Resp: 1025819

Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.6	13.0
80	9.9	9.8	14.6



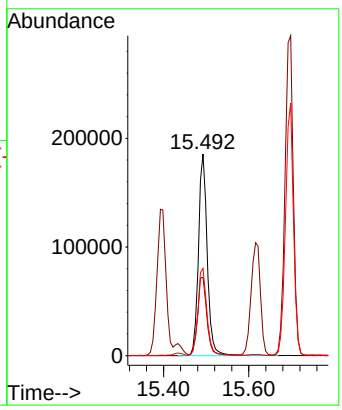


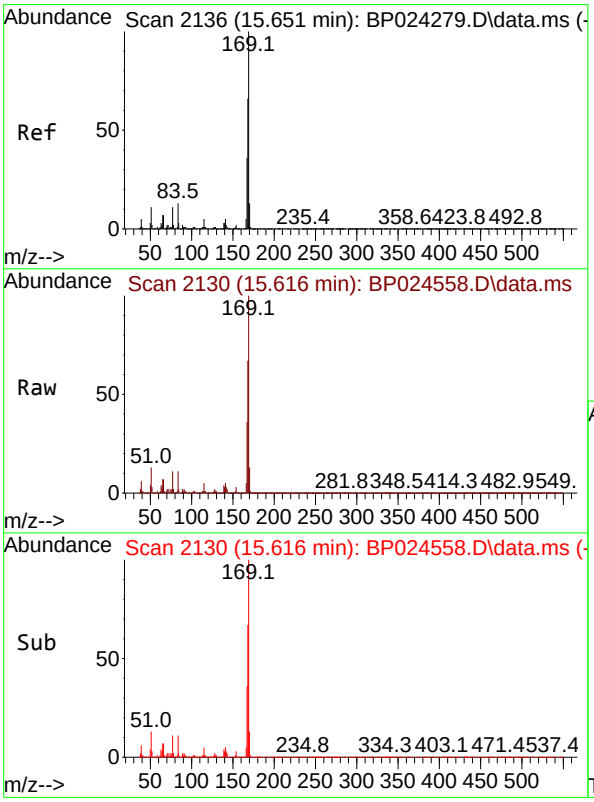
#65
4,6-Dinitro-2-methylphenol
Concen: 41.018 ng
RT: 15.492 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 265277

Ion	Ratio	Lower	Upper
198	100		
51	38.8	18.4	58.4
105	43.3	26.5	66.5

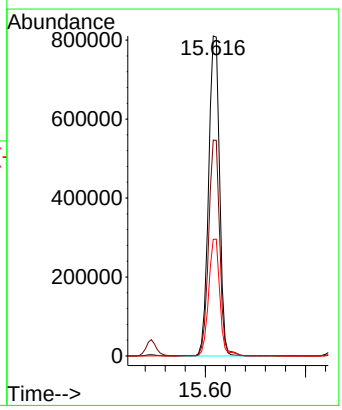


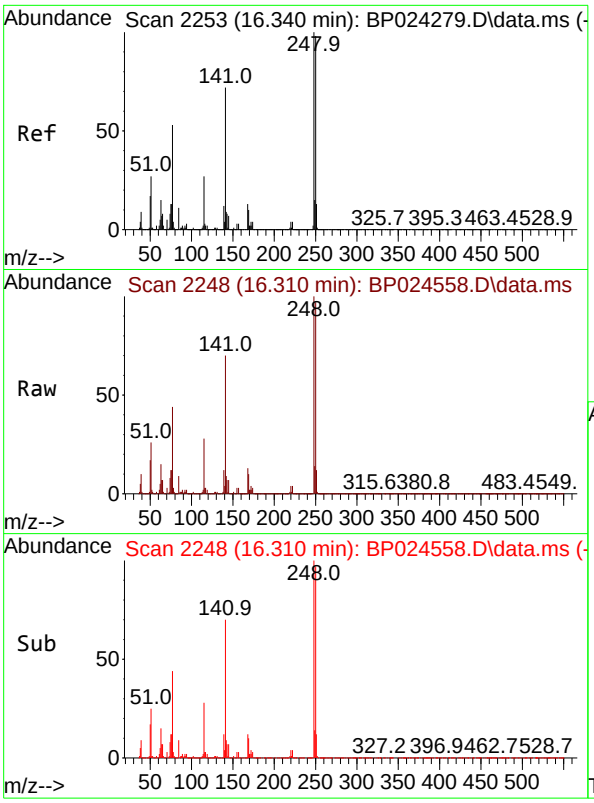


#66
n-Nitrosodiphenylamine
Concen: 40.082 ng
RT: 15.616 min Scan# 2130
Delta R.T. -0.012 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:169 Resp: 1227248

Ion	Ratio	Lower	Upper
169	100		
168	67.5	53.0	79.4
167	36.5	28.9	43.3



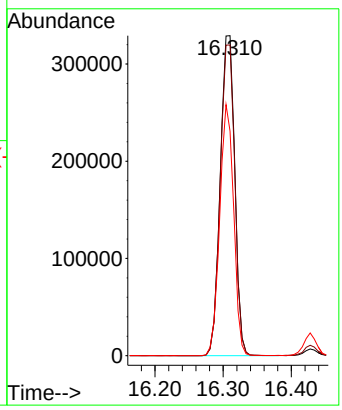


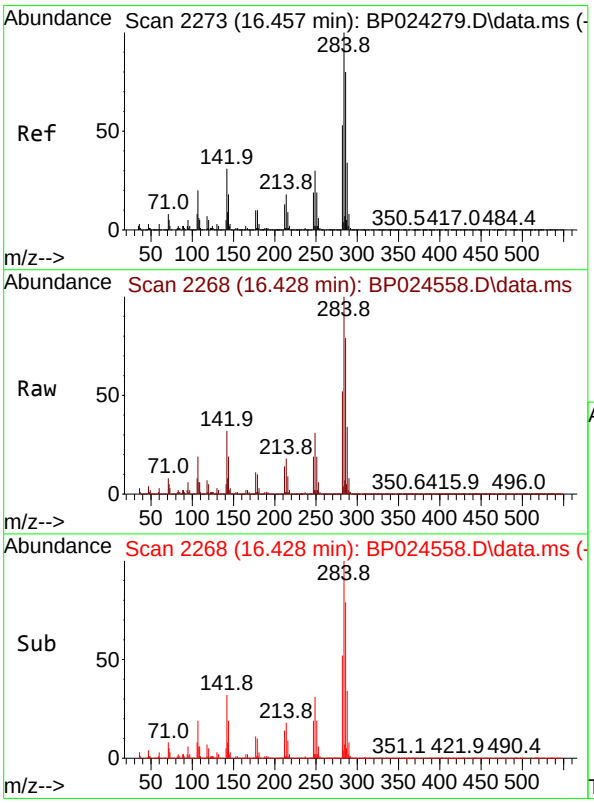
#67
4-Bromophenyl-phenylether
Concen: 43.456 ng
RT: 16.310 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 487541

Ion	Ratio	Lower	Upper
248	100		
250	97.1	78.2	117.4
141	70.1	57.7	86.5

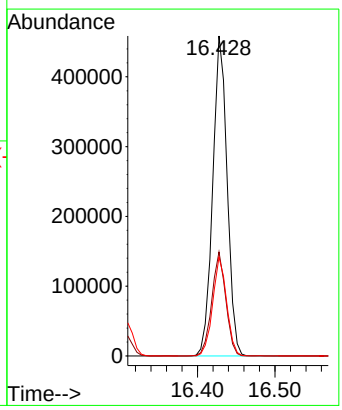


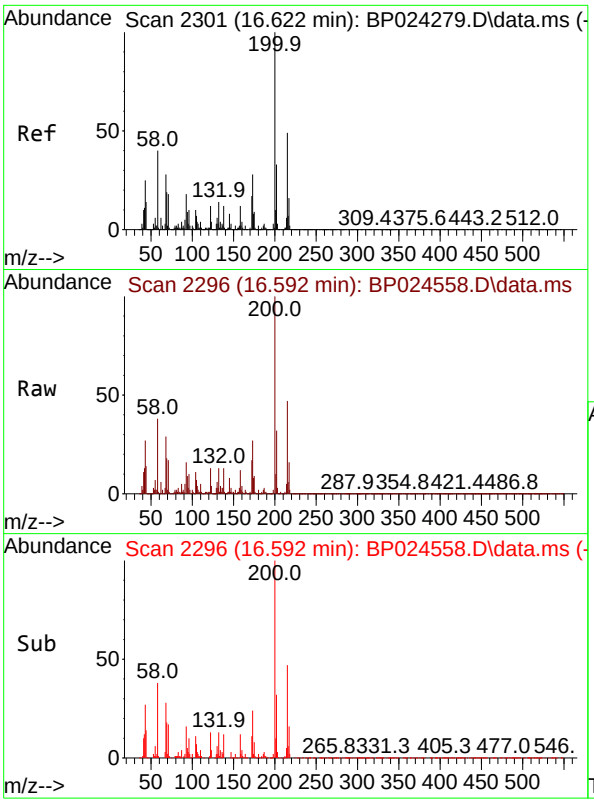


#68
Hexachlorobenzene
Concen: 44.327 ng
RT: 16.428 min Scan# 2268
Delta R.T. -0.012 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:284 Resp: 590949

Ion	Ratio	Lower	Upper
284	100		
142	32.5	24.6	37.0
249	30.9	23.8	35.6



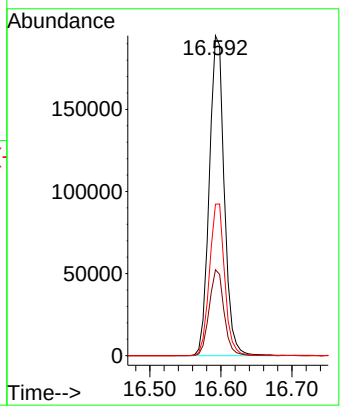


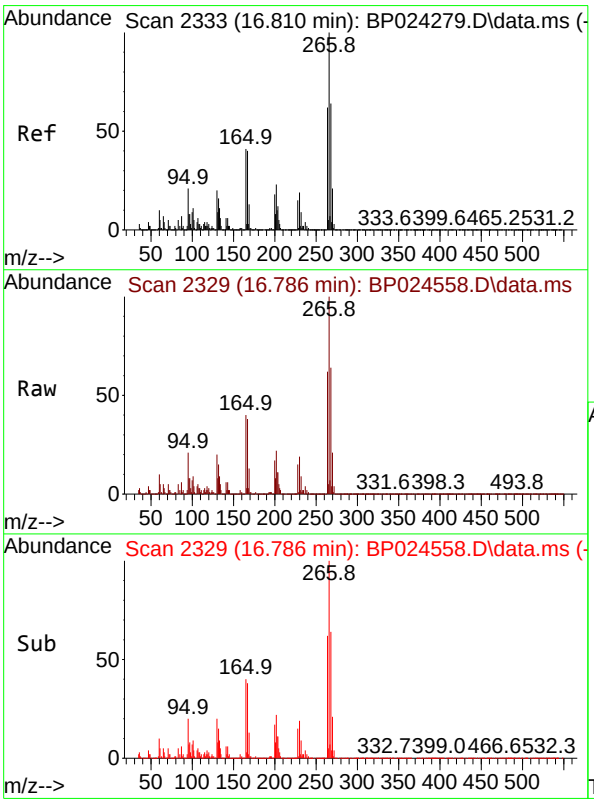
#69
Atrazine
Concen: 36.552 ng
RT: 16.592 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 285042

Ion	Ratio	Lower	Upper
200	100		
173	26.9	7.5	47.5
215	47.3	28.8	68.8

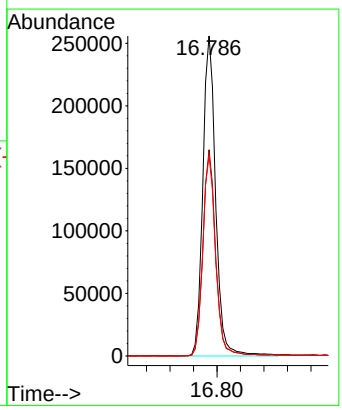


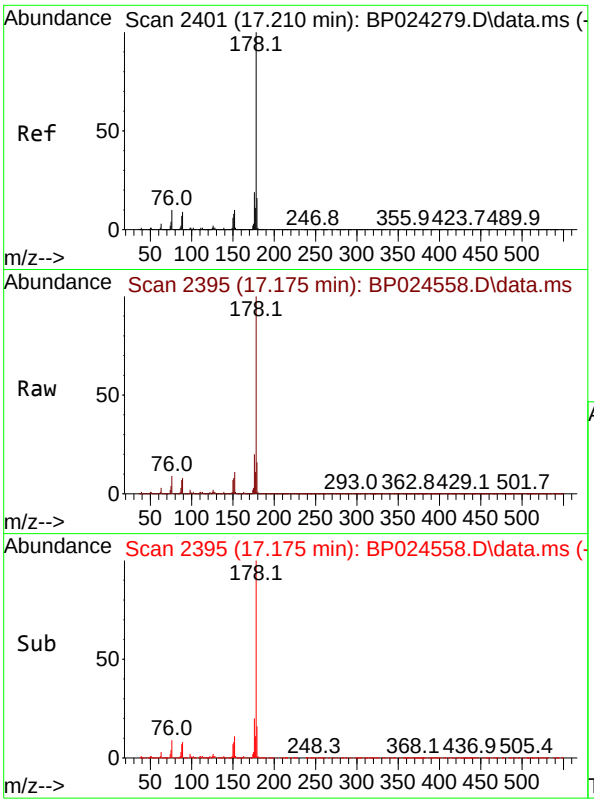


#70
Pentachlorophenol
Concen: 41.738 ng
RT: 16.786 min Scan# 2329
Delta R.T. -0.012 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:266 Resp: 388182

Ion	Ratio	Lower	Upper
266	100		
268	64.4	51.0	76.6
264	62.5	49.8	74.6



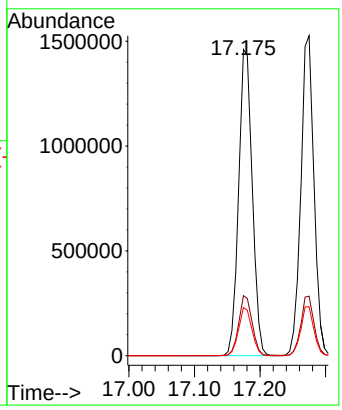


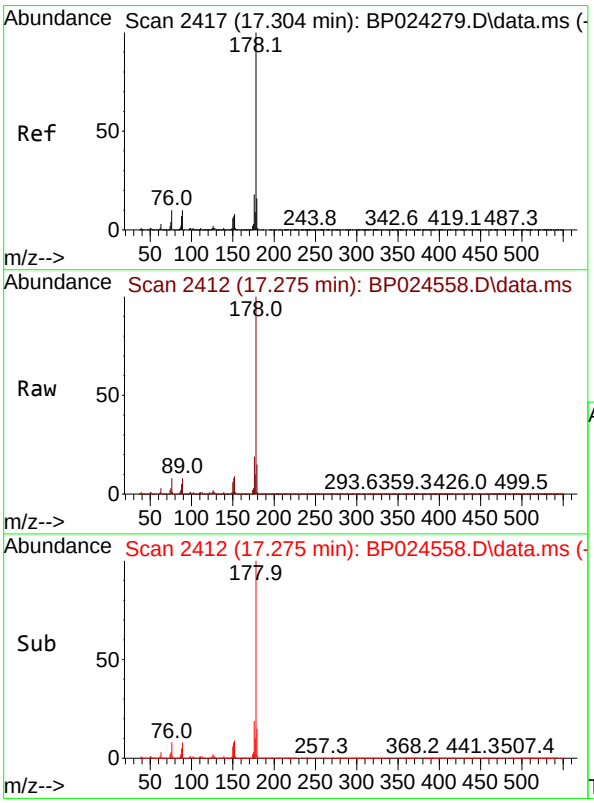
#71
Phenanthrene
Concen: 37.891 ng
RT: 17.175 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 2120420

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.0
179	15.7	12.5	18.7

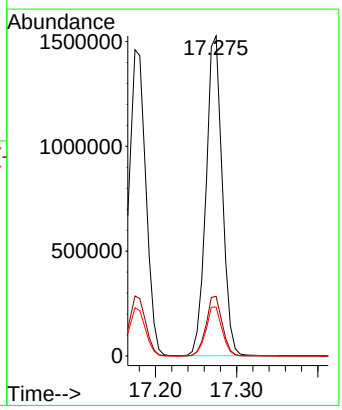


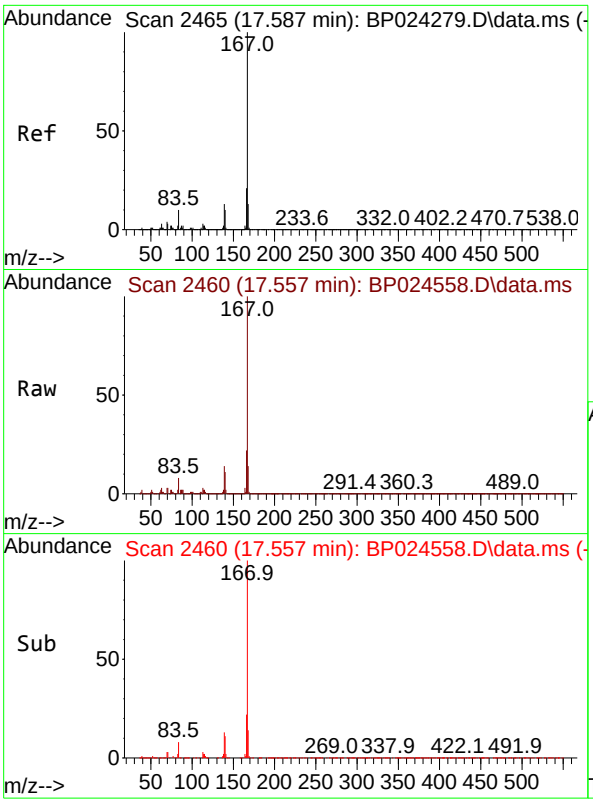


#72
Anthracene
Concen: 39.077 ng
RT: 17.275 min Scan# 2412
Delta R.T. -0.012 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:178 Resp: 2107623

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	15.3	12.4	18.6



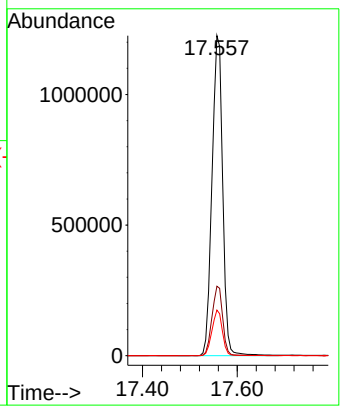


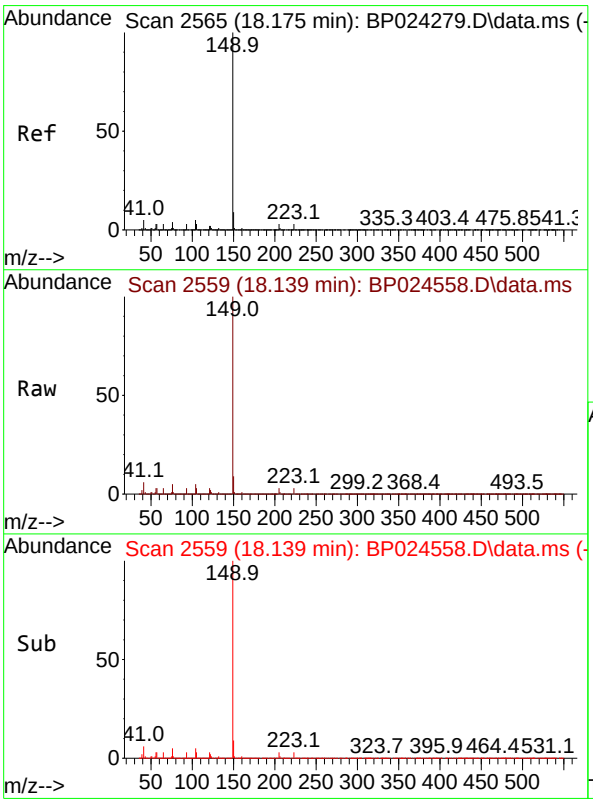
#73
Carbazole
Concen: 36.374 ng
RT: 17.557 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 1916868

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.1	25.7
139	14.2	10.6	16.0

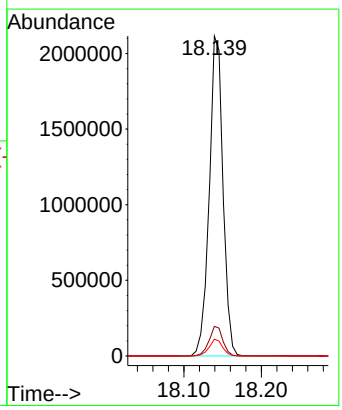


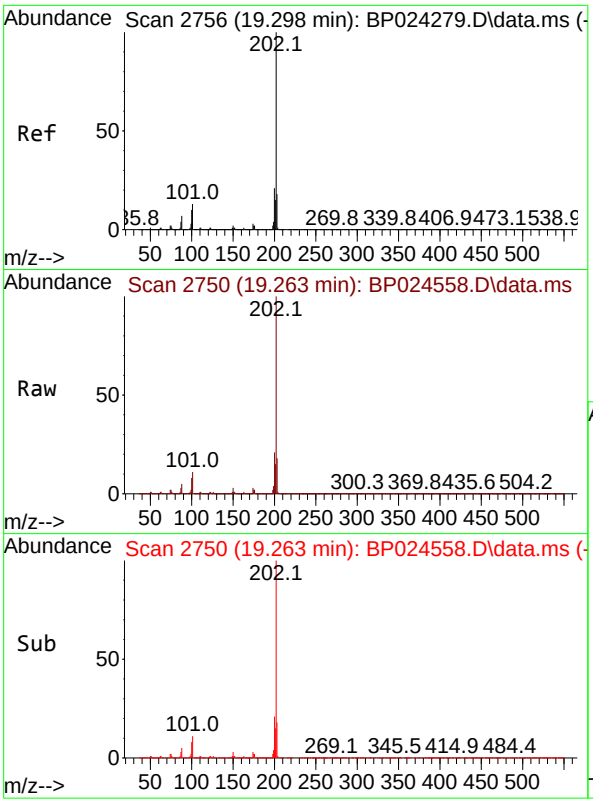


#74
Di-n-butylphthalate
Concen: 39.669 ng
RT: 18.139 min Scan# 2559
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:149 Resp: 2604486

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.3	3.9	5.9



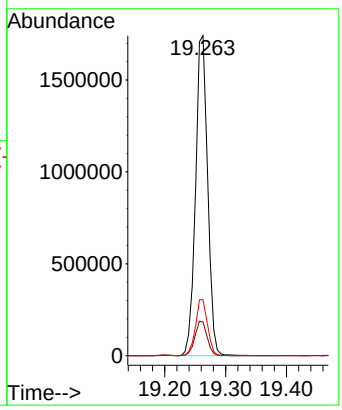


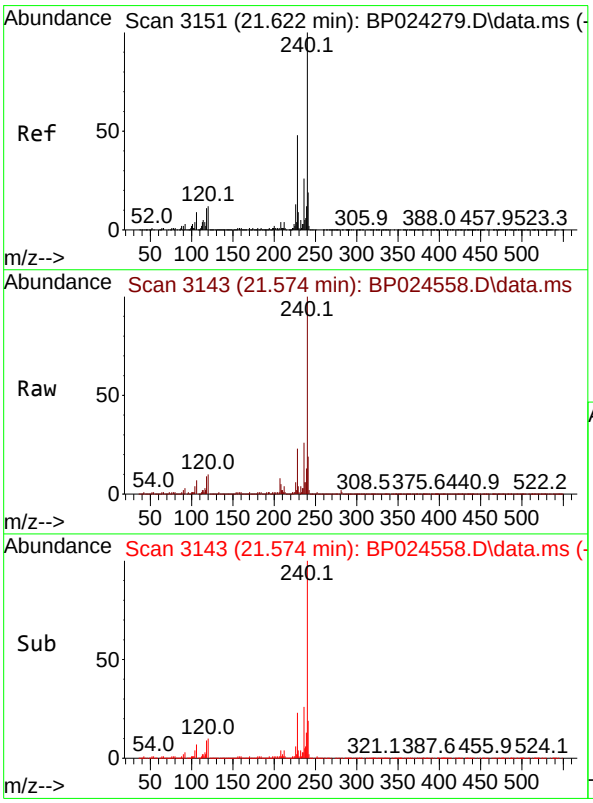
#75
Fluoranthene
Concen: 36.086 ng
RT: 19.263 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 2401730

Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	33.2
203	17.5	0.0	37.7

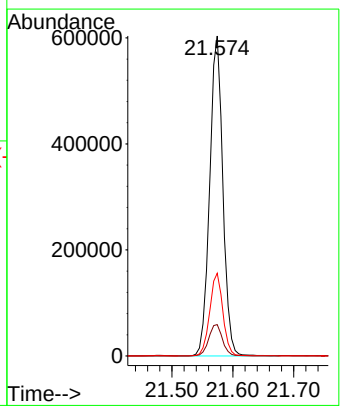


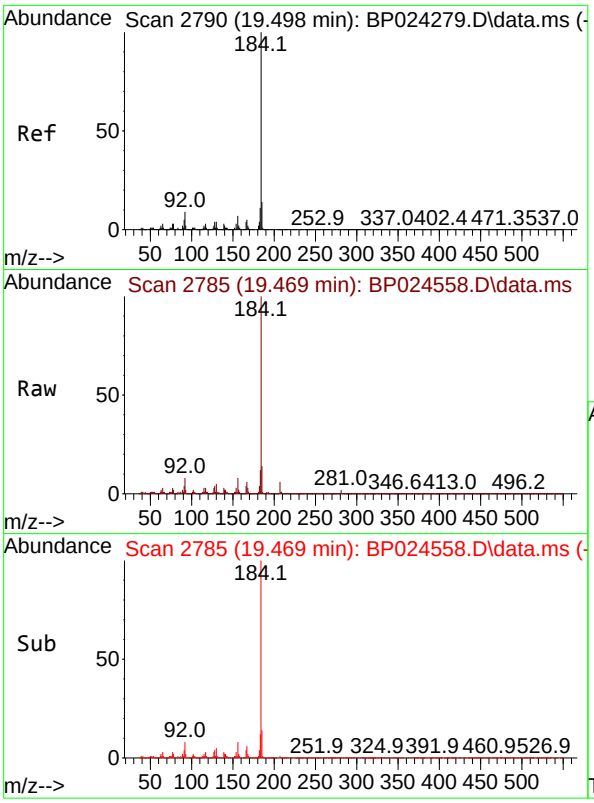


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.574 min Scan# 3143
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:240 Resp: 907323

Ion	Ratio	Lower	Upper
240	100		
120	9.8	9.8	14.8#
236	25.8	20.9	31.3



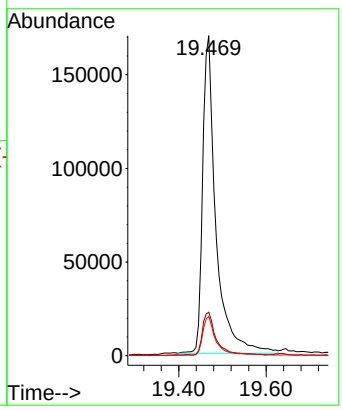


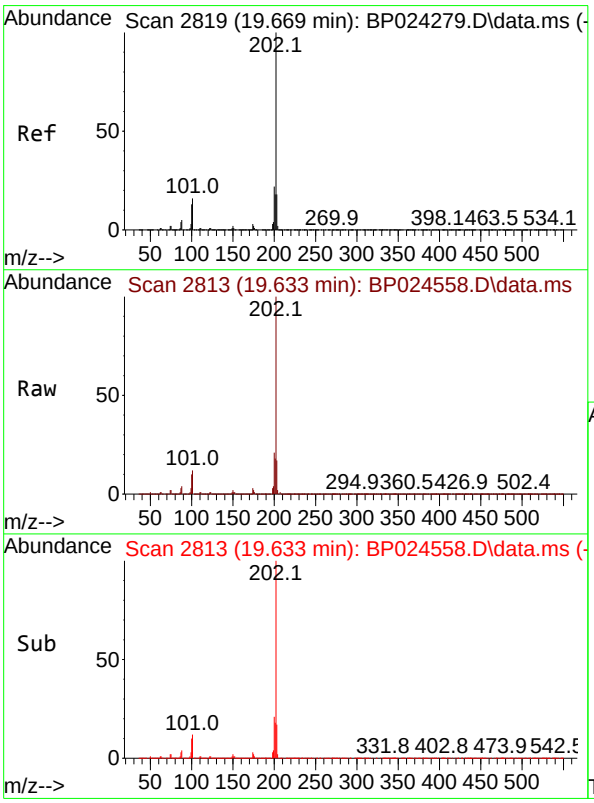
#77
Benzidine
Concen: 31.328 ng
RT: 19.469 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 360302

Ion	Ratio	Lower	Upper
184	100		
185	13.6	11.6	17.4
183	12.3	9.2	13.8

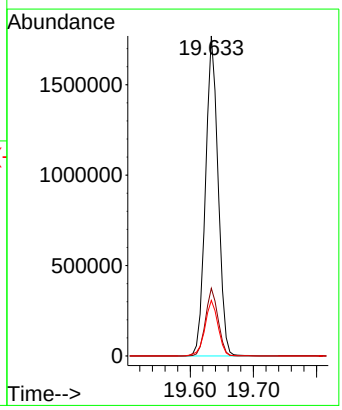


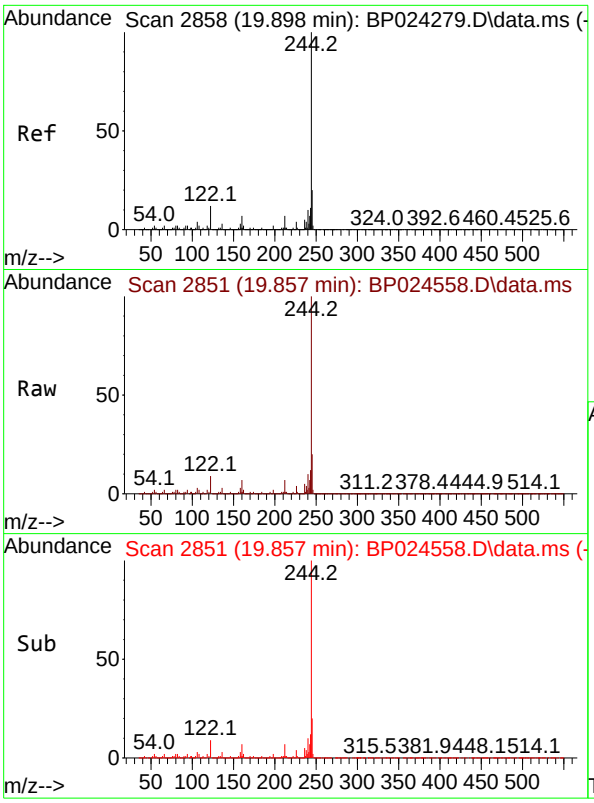


#78
Pyrene
Concen: 42.392 ng
RT: 19.633 min Scan# 2813
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:202 Resp: 2444395

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.2	25.8
203	17.3	14.4	21.6



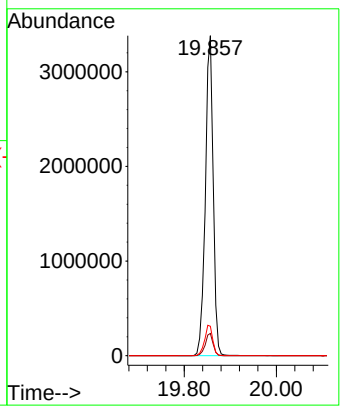


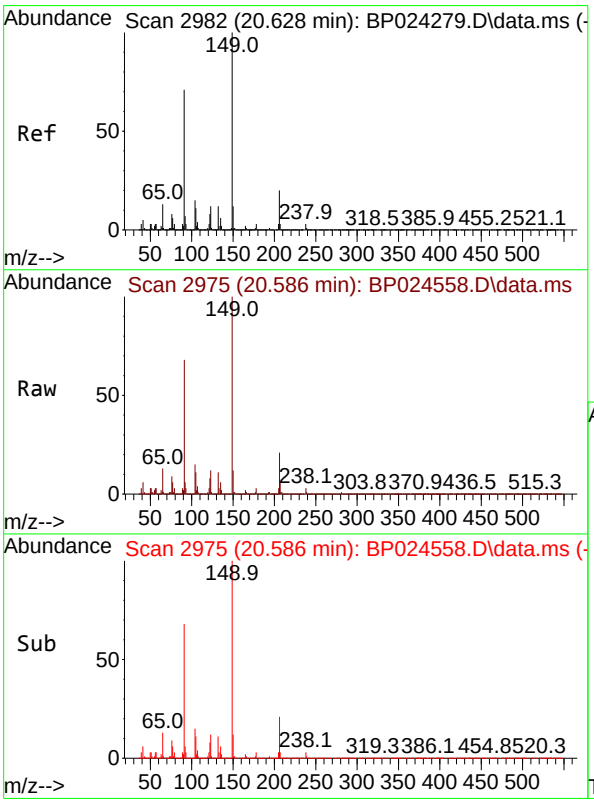
#79
Terphenyl-d14
Concen: 89.613 ng
RT: 19.857 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 4033863

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	9.2	9.4	14.0#

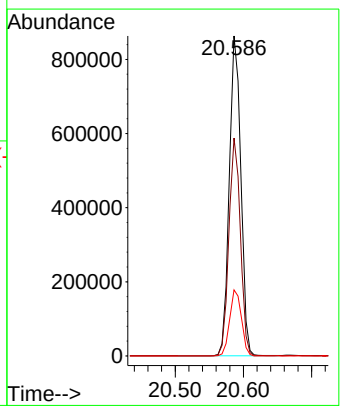


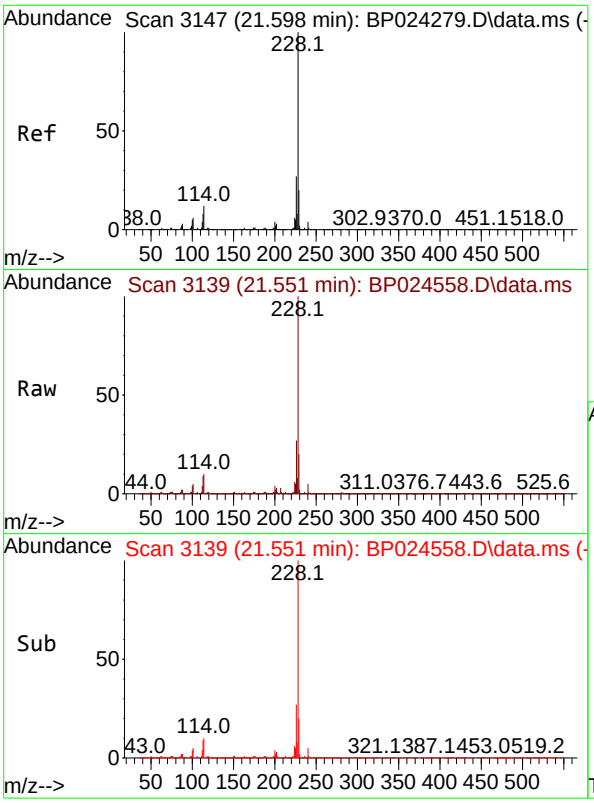


#80
Butylbenzylphthalate
Concen: 41.224 ng
RT: 20.586 min Scan# 2975
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:149 Resp: 1018145

Ion	Ratio	Lower	Upper
149	100		
91	68.1	56.4	84.6
206	20.7	16.3	24.5



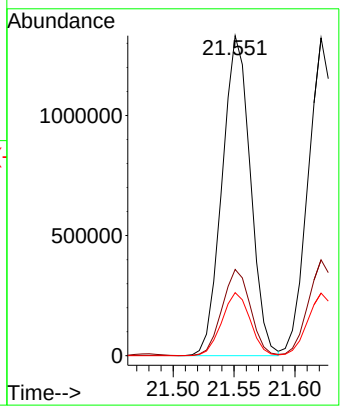


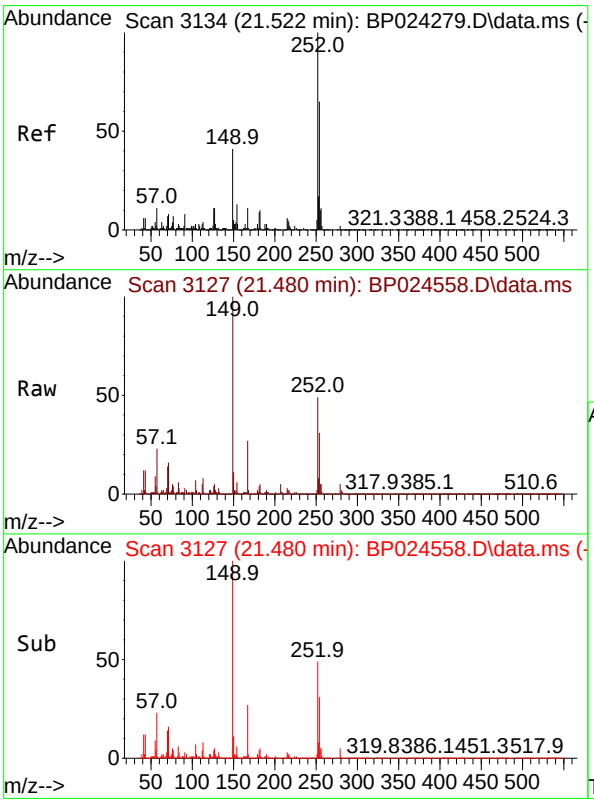
#81
Benzo(a)anthracene
Concen: 38.183 ng
RT: 21.551 min Scan# 31
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 2153349

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.8	32.8
229	19.7	15.9	23.9

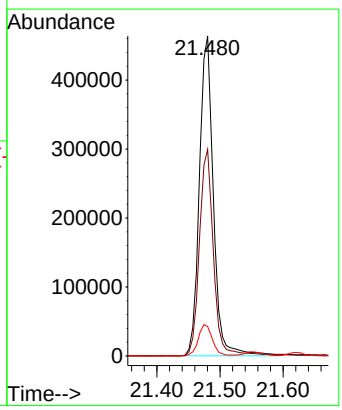


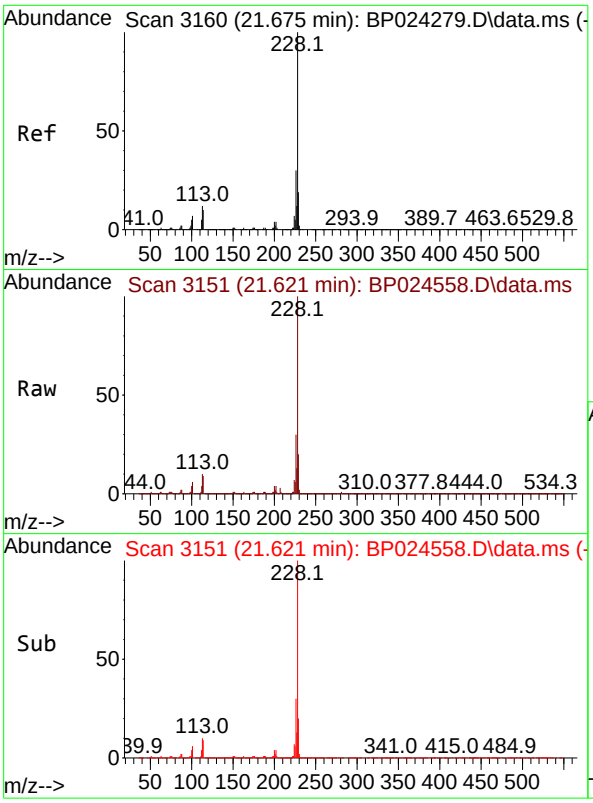


#82
3,3'-Dichlorobenzidine
Concen: 36.167 ng
RT: 21.480 min Scan# 3127
Delta R.T. -0.012 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:252 Resp: 715898

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.7	77.5
126	9.2	8.8	13.2



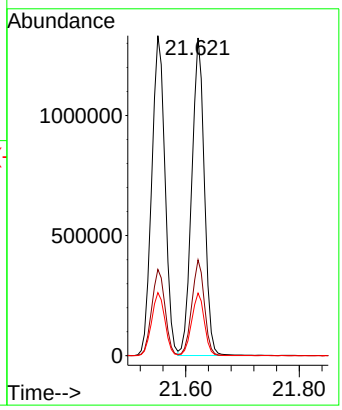


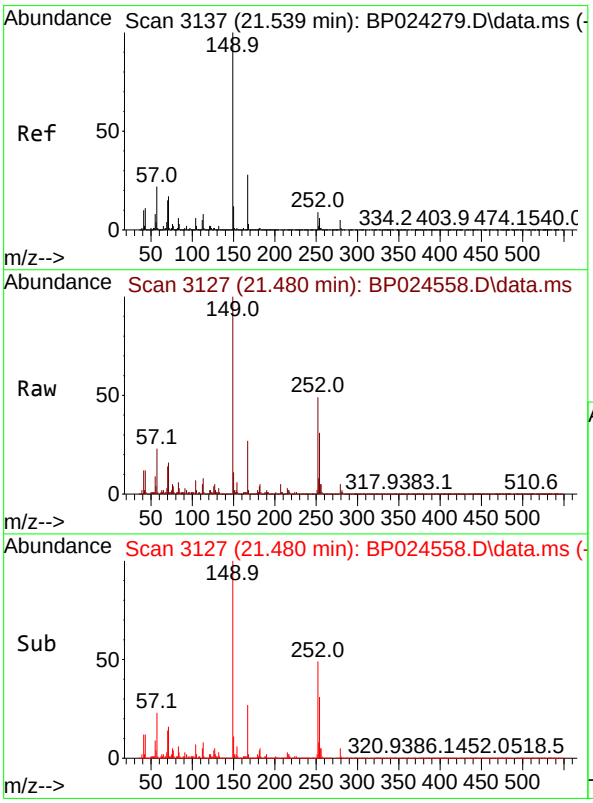
#83
Chrysene
Concen: 37.829 ng
RT: 21.621 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 2043866

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.2	36.2
229	19.7	15.6	23.4

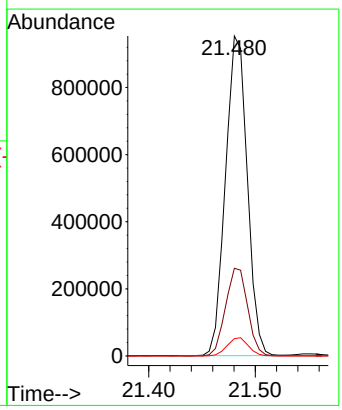


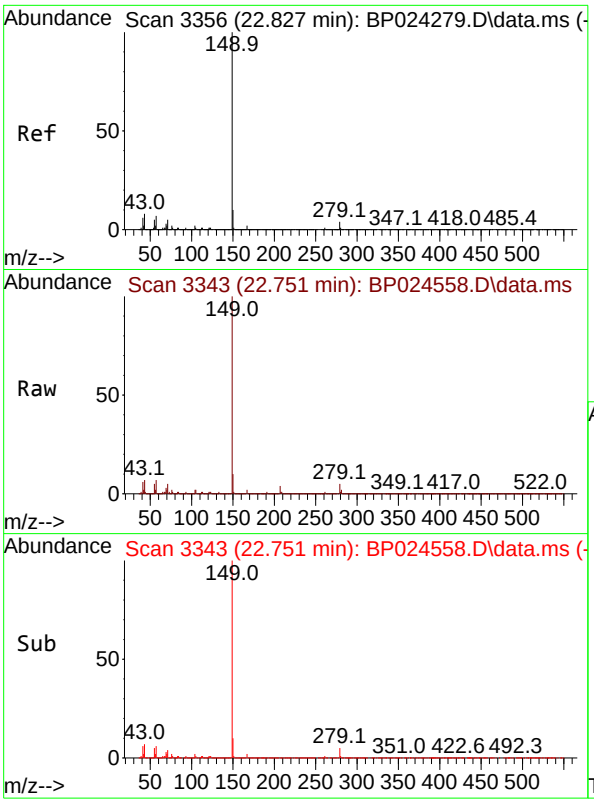


#84
Bis(2-ethylhexyl)phthalate
Concen: 37.460 ng
RT: 21.480 min Scan# 3127
Delta R.T. -0.029 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:149 Resp: 1356273

Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.4	33.6
279	5.4	4.0	6.0



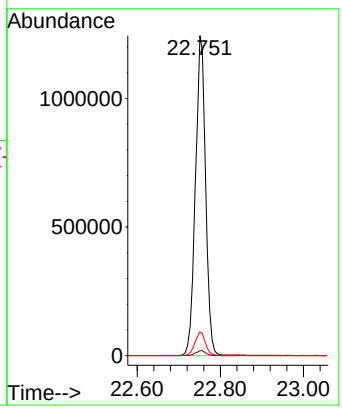


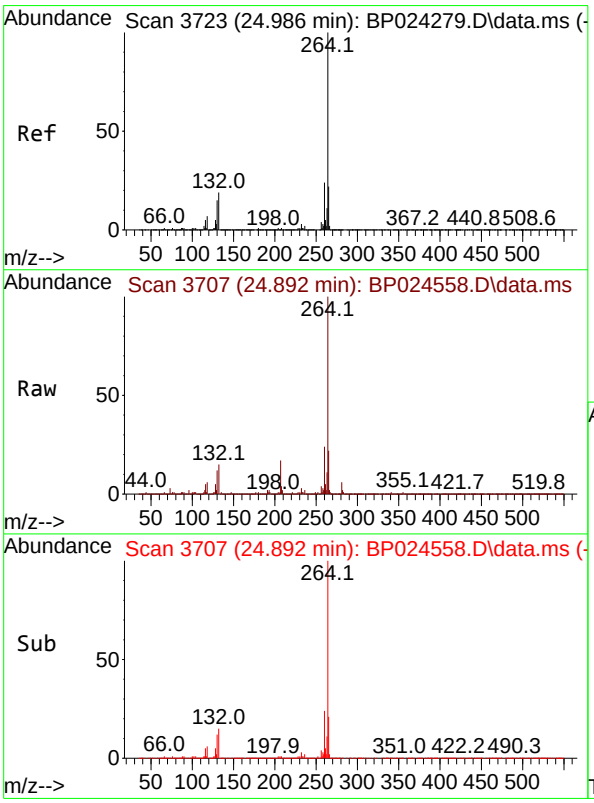
#85
Di-n-octyl phthalate
Concen: 35.797 ng
RT: 22.751 min Scan# 3
Delta R.T. -0.035 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 2107005

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.6	6.0	9.0

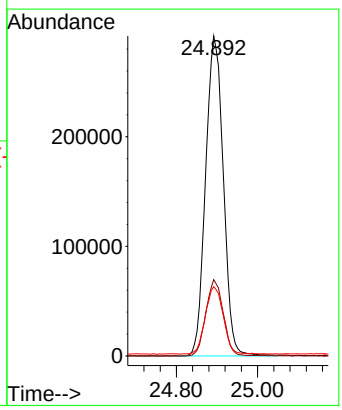


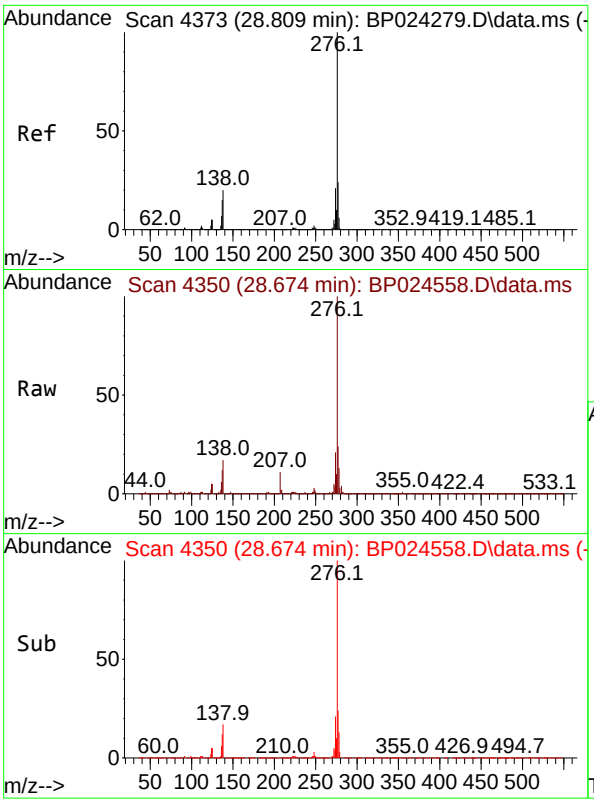


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.892 min Scan# 3707
Delta R.T. -0.041 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:264 Resp: 884811

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.9	28.3
265	21.7	17.8	26.6



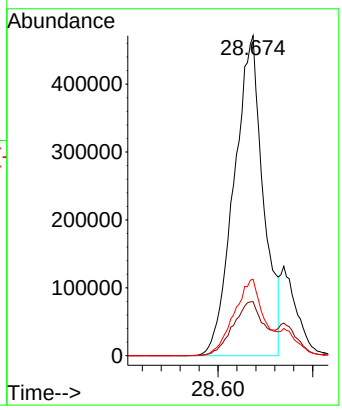


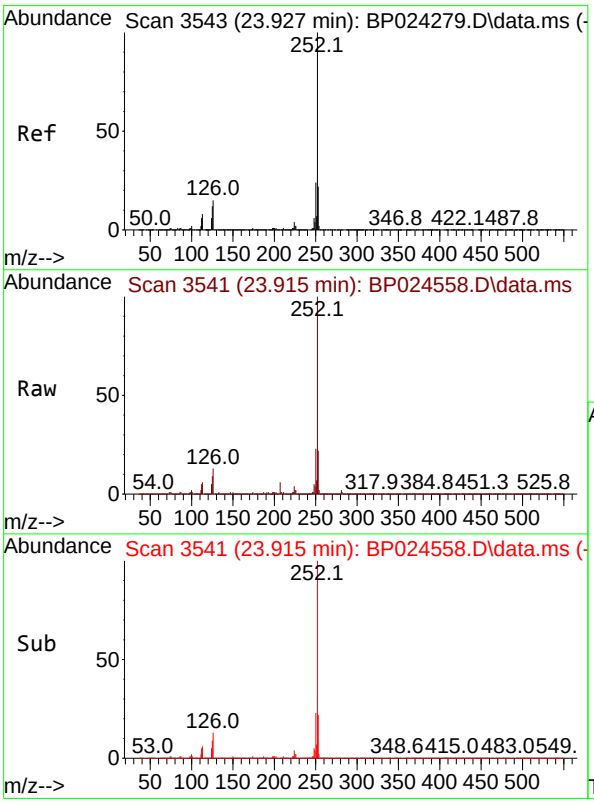
#87
Indeno(1,2,3-cd)pyrene
Concen: 32.907 ng
RT: 28.674 min Scan# 4
Delta R.T. -0.065 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 2021418

Ion	Ratio	Lower	Upper
276	100		
138	18.5	14.5	21.7
277	24.6	20.2	30.2

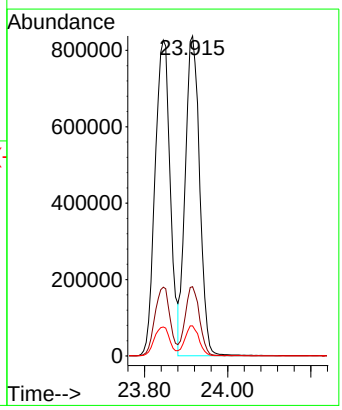


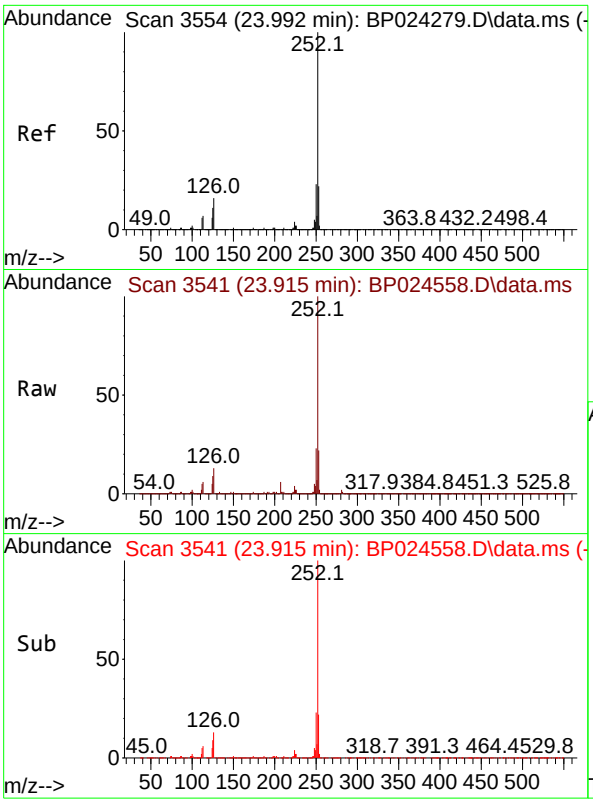


#88
Benzo(b)fluoranthene
Concen: 37.837 ng
RT: 23.915 min Scan# 3541
Delta R.T. 0.029 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:252 Resp: 2006713

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	9.4	9.4	14.0



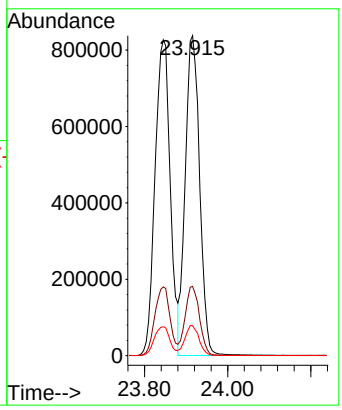


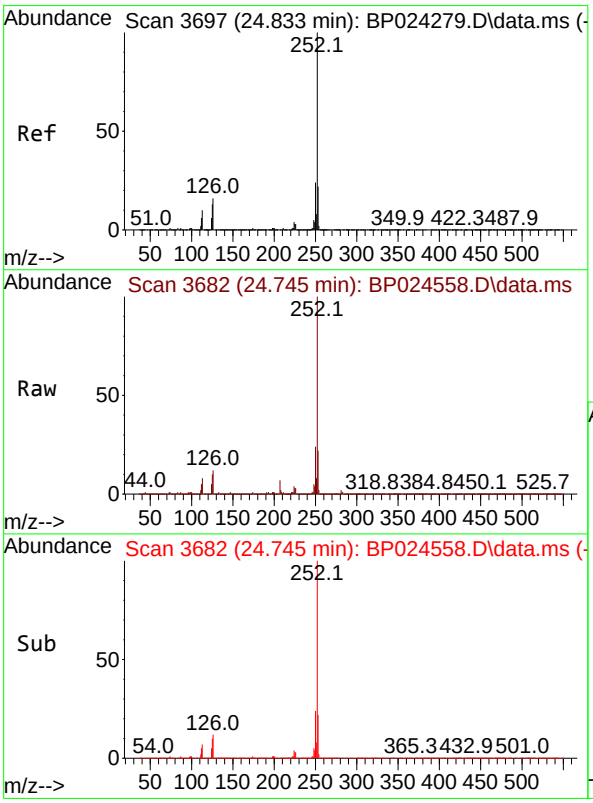
#89
Benzo(k)fluoranthene
Concen: 39.171 ng
RT: 23.915 min Scan# 3
Delta R.T. -0.041 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 2006713

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	9.4	9.1	13.7

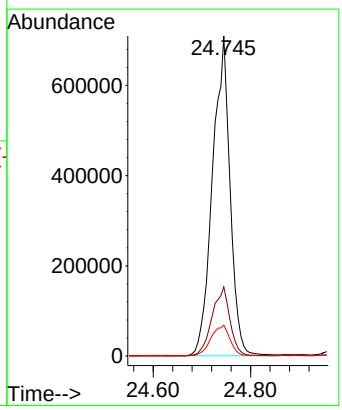


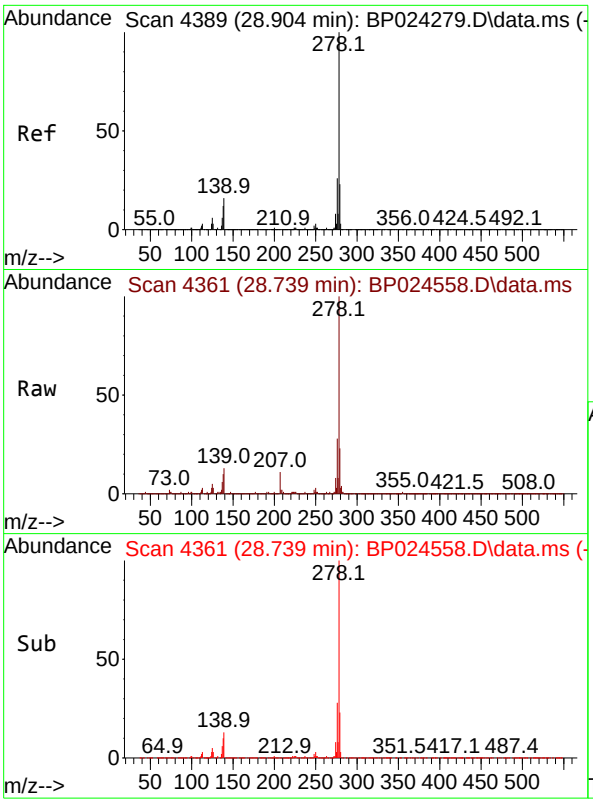


#90
Benzo(a)pyrene
Concen: 38.852 ng
RT: 24.745 min Scan# 3682
Delta R.T. -0.035 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:252 Resp: 1777452

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.6	26.4
125	9.6	10.1	15.1#



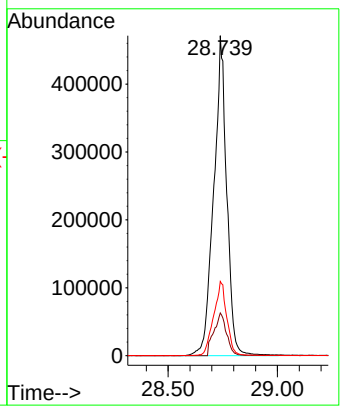


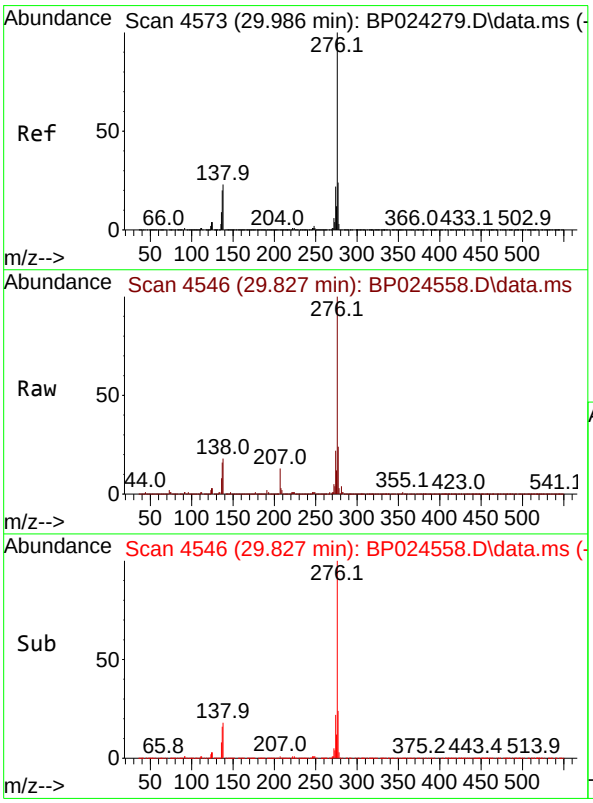
#91
Dibenzo(a,h)anthracene
Concen: 38.218 ng
RT: 28.739 min Scan# 4
Delta R.T. -0.065 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 1948616

Ion	Ratio	Lower	Upper
278	100		
139	13.4	12.6	19.0
279	23.2	18.5	27.7

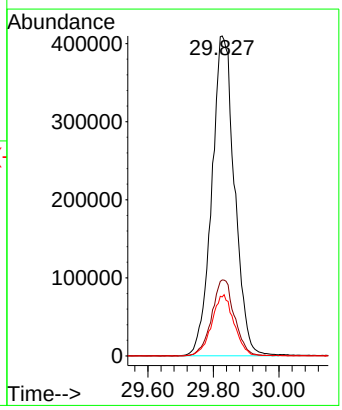




#92
Benzo(g,h,i)perylene
Concen: 37.936 ng
RT: 29.827 min Scan# 4546
Delta R.T. -0.071 min
Lab File: BP024558.D
Acq: 07 May 2025 10:08

Tgt Ion:276 Resp: 1968741

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.9	28.3
138	18.4	18.7	28.1#



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050725\
Data File : BP024562.D
Acq On : 07 May 2025 13:37
Operator : RC/JU
Sample : Q1928-01MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Quant Time: May 07 13:56:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.704	152	157526	20.000	ng		-0.02
21) Naphthalene-d8	10.475	136	621901	20.000	ng		#-0.02
39) Acenaphthene-d10	14.333	164	393833	20.000	ng		-0.02
64) Phenanthrene-d10	17.127	188	771993	20.000	ng		-0.02
76) Chrysene-d12	21.574	240	874555	20.000	ng		-0.02
86) Perylene-d12	24.898	264	1014332	20.000	ng		-0.04
System Monitoring Compounds							
5) 2-Fluorophenol	5.328	112	677249	71.087	ng		-0.02
7) Phenol-d6	6.898	99	871840	66.832	ng		-0.01
23) Nitrobenzene-d5	8.851	82	549495	50.382	ng		-0.02
42) 2,4,6-Tribromophenol	15.845	330	460187	84.455	ng		-0.02
45) 2-Fluorobiphenyl	12.939	172	1153910	44.861	ng		-0.02
79) Terphenyl-d14	19.851	244	2088015	48.124	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.275	88	165396	41.044	ng	#	95
3) Pyridine	3.663	79	408865	38.424	ng		90
4) n-Nitrosodimethylamine	3.575	42	179044	50.699	ng		76
6) Aniline	7.046	93	585378	50.217	ng		97
8) 2-Chlorophenol	7.281	128	495585	46.591	ng		99
9) Benzaldehyde	6.857	77	189188	29.318	ng		99
10) Phenol	6.922	94	588264	44.953	ng		92
11) bis(2-Chloroethyl)ether	7.134	93	444733	42.180	ng		99
12) 1,3-Dichlorobenzene	7.598	146	523654	45.728	ng		99
13) 1,4-Dichlorobenzene	7.740	146	528640	45.499	ng		99
14) 1,2-Dichlorobenzene	8.051	146	507460	45.231	ng		98
15) Benzyl Alcohol	7.951	79	404407	47.936	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.222	45	485289	42.581	ng		99
17) 2-Methylphenol	8.151	107	401726	47.454	ng		96
18) Hexachloroethane	8.769	117	198270	47.219	ng		97
19) n-Nitroso-di-n-propyla...	8.504	70	327062	40.525	ng		94
20) 3+4-Methylphenols	8.475	107	544513	46.356	ng		97
22) Acetophenone	8.522	105	688833	44.751	ng	#	97
24) Nitrobenzene	8.893	77	497758	46.134	ng		99
25) Isophorone	9.416	82	911870	46.191	ng		98
26) 2-Nitrophenol	9.598	139	263592	49.923	ng		95
27) 2,4-Dimethylphenol	9.663	122	445892	67.257	ng		98
28) bis(2-Chloroethoxy)met...	9.887	93	564064	42.296	ng		99
29) 2,4-Dichlorophenol	10.139	162	449535	49.730	ng		99
30) 1,2,4-Trichlorobenzene	10.334	180	460154	47.511	ng		98
31) Naphthalene	10.528	128	1438310	43.905	ng		99
32) Benzoic acid	9.828	122	327410	42.383	ng		99
33) 4-Chloroaniline	10.639	127	561129	48.639	ng		98
34) Hexachlorobutadiene	10.804	225	289590	50.883	ng		99
35) Caprolactam	11.445	113	157545	47.234	ng		95
36) 4-Chloro-3-methylphenol	11.781	107	513563	48.776	ng		100
37) 2-Methylnaphthalene	12.134	142	905522	39.857	ng		96
38) 1-Methylnaphthalene	12.357	142	966108	43.468	ng		99
40) 1,2,4,5-Tetrachloroben...	12.510	216	509449	47.038	ng		99
41) Hexachlorocyclopentadiene	12.486	237	696869	181.929	ng		99
43) 2,4,6-Trichlorophenol	12.757	196	365420	50.748	ng		98

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050725\
Data File : BP024562.D
Acq On : 07 May 2025 13:37
Operator : RC/JU
Sample : Q1928-01MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Quant Time: May 07 13:56:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.839	196	401238	50.319	ng		99
46) 1,1'-Biphenyl	13.151	154	1292677	44.654	ng		99
47) 2-Chloronaphthalene	13.198	162	996212	46.044	ng		99
48) 2-Nitroaniline	13.410	65	313307	51.624	ng		96
49) Acenaphthylene	14.051	152	1660892	48.758	ng		99
50) Dimethylphthalate	13.792	163	1320326	46.100	ng		100
51) 2,6-Dinitrotoluene	13.910	165	291084	47.862	ng		92
52) Acenaphthene	14.398	154	945952	43.803	ng		99
53) 3-Nitroaniline	14.251	138	306831	48.003	ng		100
54) 2,4-Dinitrophenol	14.463	184	395229	110.325	ng		92
55) Dibenzofuran	14.739	168	1527310	43.267	ng		96
56) 4-Nitrophenol	14.592	139	542331	98.241	ng		93
57) 2,4-Dinitrotoluene	14.716	165	428851	51.693	ng		96
58) Fluorene	15.398	166	1236303	45.242	ng		100
59) 2,3,4,6-Tetrachlorophenol	14.975	232	353479	48.064	ng		99
60) Diethylphthalate	15.175	149	1346542	45.623	ng		99
61) 4-Chlorophenyl-phenyle...	15.392	204	604756	45.574	ng		98
62) 4-Nitroaniline	15.427	138	324042	47.888	ng		85
63) Azobenzene	15.686	77	1257263	46.347	ng		96
65) 4,6-Dinitro-2-methylph...	15.492	198	247587	50.869	ng		96
66) n-Nitrosodiphenylamine	15.616	169	1091788	47.382	ng		99
67) 4-Bromophenyl-phenylether	16.304	248	414138	49.050	ng		100
68) Hexachlorobenzene	16.416	284	514146	51.247	ng		99
69) Atrazine	16.592	200	392473	66.876	ng		99
70) Pentachlorophenol	16.780	266	691833	98.845	ng		100
71) Phenanthrene	17.174	178	1921721	45.631	ng		100
72) Anthracene	17.269	178	1969025	48.511	ng		99
73) Carbazole	17.551	167	1882845	47.475	ng		99
74) Di-n-butylphthalate	18.133	149	2397286	48.518	ng		99
75) Fluoranthene	19.263	202	2339401	46.706	ng		97
77) Benzidine	19.463	184	1220239	110.073	ng		99
78) Pyrene	19.639	202	2431140	43.742	ng		100
80) Butylbenzylphthalate	20.586	149	1160705	48.757	ng		98
81) Benzo(a)anthracene	21.557	228	2582660	47.511	ng		100
82) 3,3'-Dichlorobenzidine	21.480	252	938740	49.202	ng		99
83) Chrysene	21.621	228	2383597	45.769	ng		100
84) Bis(2-ethylhexyl)phtha...	21.492	149	1688963	48.397	ng		99
85) Di-n-octyl phthalate	22.762	149	2955365	52.091	ng		100
87) Indeno(1,2,3-cd)pyrene	28.674	276	3592229	51.012	ng		96
88) Benzo(b)fluoranthene	23.921	252	2769797	45.556	ng		98
89) Benzo(k)fluoranthene	23.921	252	2769797	47.162	ng		98
90) Benzo(a)pyrene	24.745	252	2696702	51.419	ng		98
91) Dibenzo(a,h)anthracene	28.750	278	2965315	50.732	ng		97
92) Benzo(g,h,i)perylene	29.856	276	2865086	48.158	ng	#	95

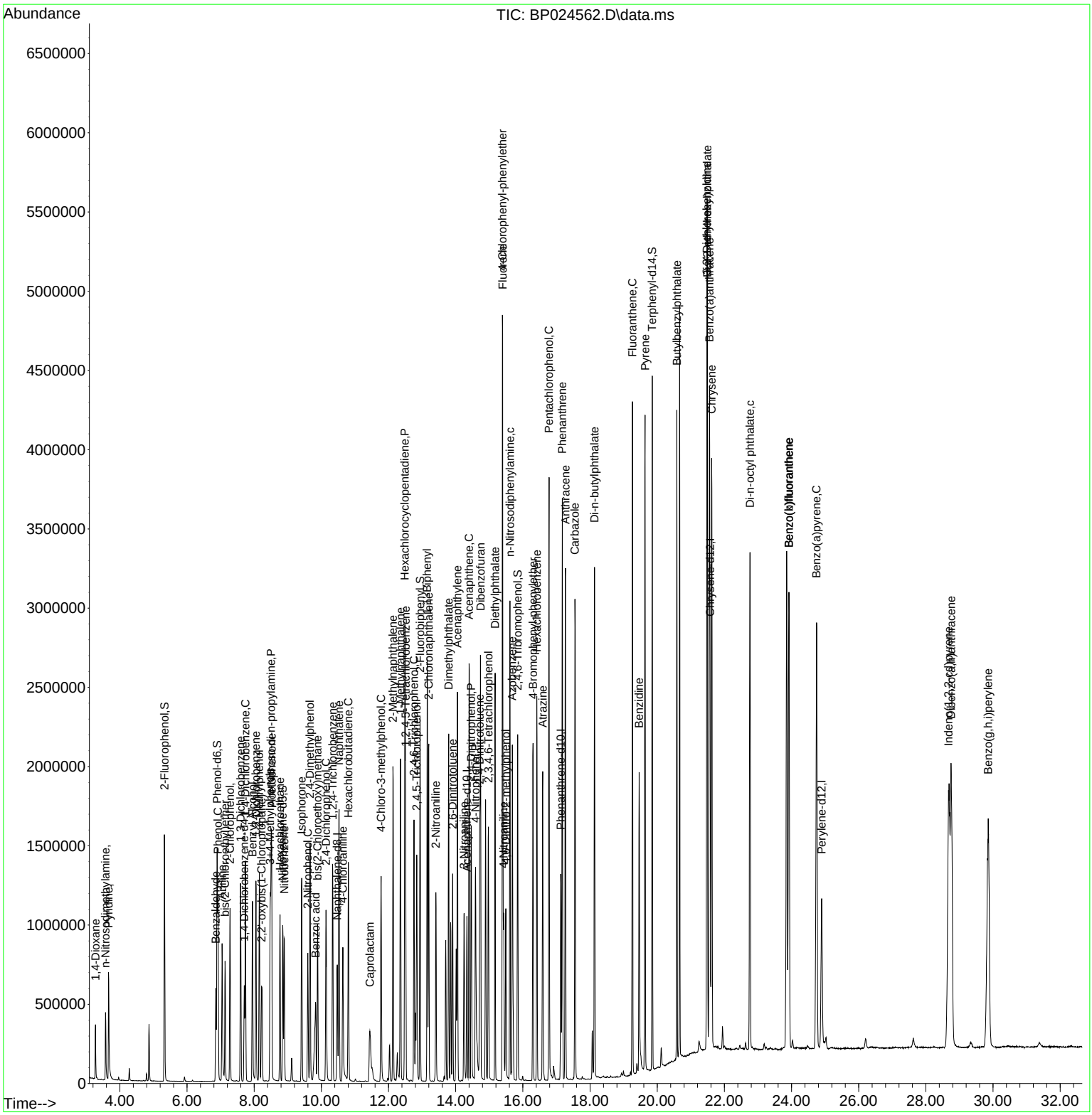
(#) = qualifier out of range (m) = manual integration (+) = signals summed

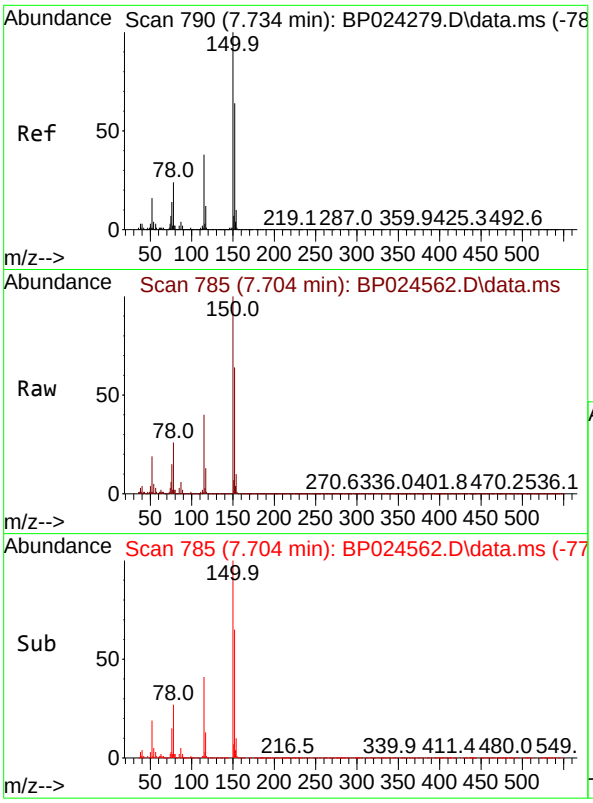
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050725\
Data File : BP024562.D
Acq On : 07 May 2025 13:37
Operator : RC/JU
Sample : Q1928-01MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Quant Time: May 07 13:56:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration



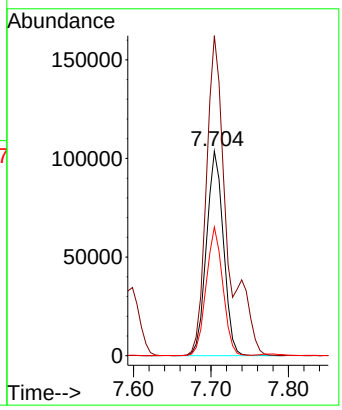


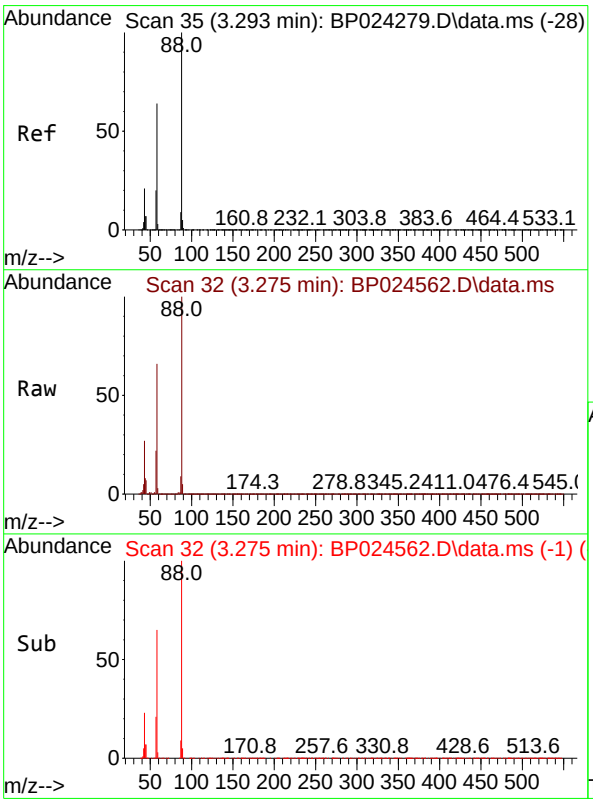
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.704 min Scan# 7
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:152 Resp: 157526

Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.9	187.3
115	62.9	47.7	71.5

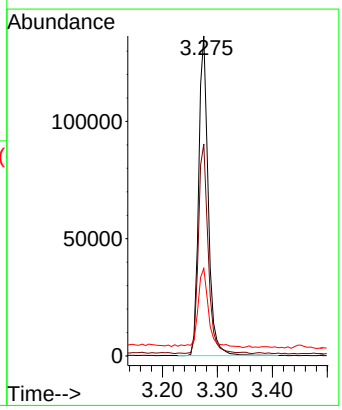


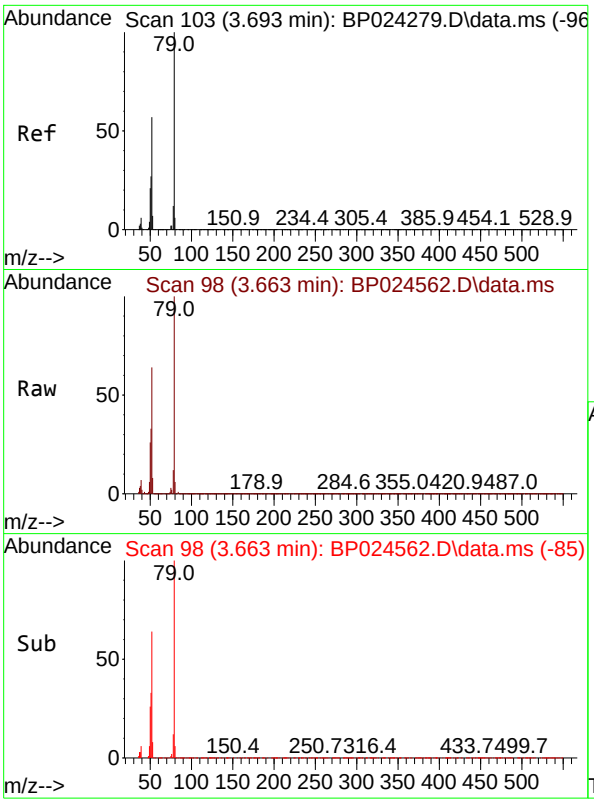


#2
1,4-Dioxane
Concen: 41.044 ng
RT: 3.275 min Scan# 32
Delta R.T. -0.012 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion: 88 Resp: 165396

Ion	Ratio	Lower	Upper
88	100		
58	66.5	51.4	77.2
43	26.9	17.1	25.7#



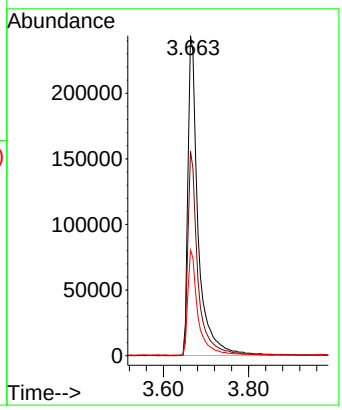


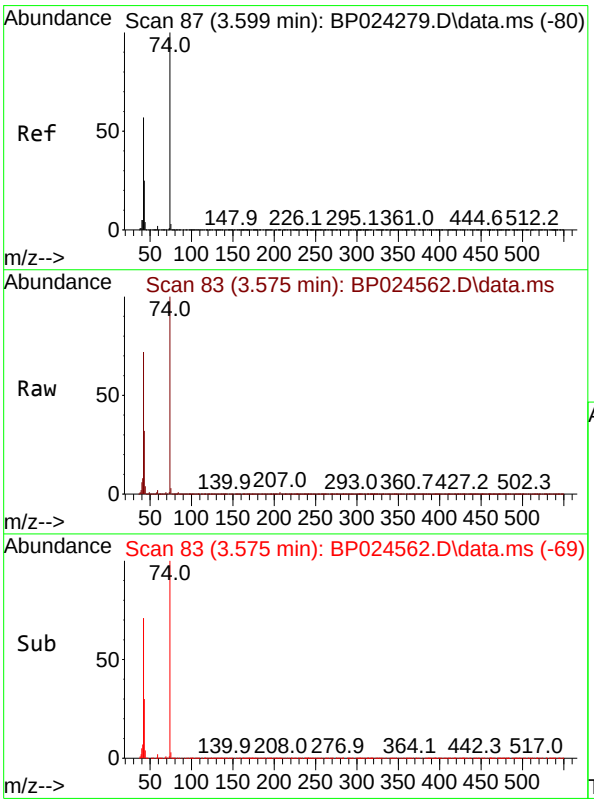
#3
Pyridine
Concen: 38.424 ng
RT: 3.663 min Scan# 9
Delta R.T. -0.024 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion: 79 Resp: 408865

Ion	Ratio	Lower	Upper
79	100		
52	64.0	45.4	68.2
51	33.0	22.6	33.8

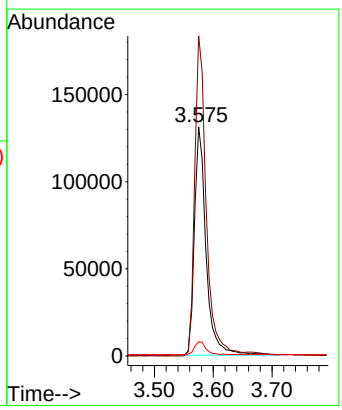


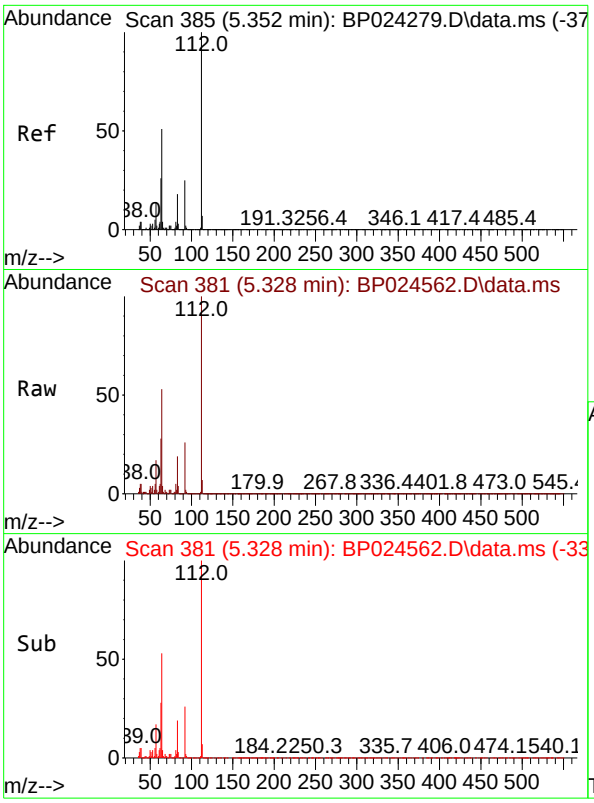


#4
n-Nitrosodimethylamine
Concen: 50.699 ng
RT: 3.575 min Scan# 83
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion: 42 Resp: 179044

Ion	Ratio	Lower	Upper
42	100		
74	139.7	139.5	209.3
44	6.2	5.8	8.8



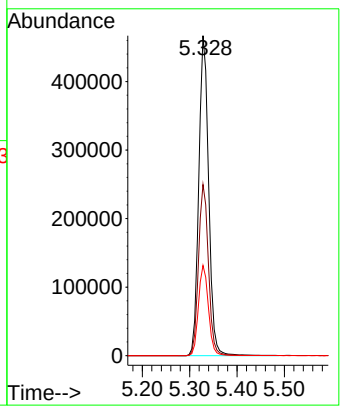


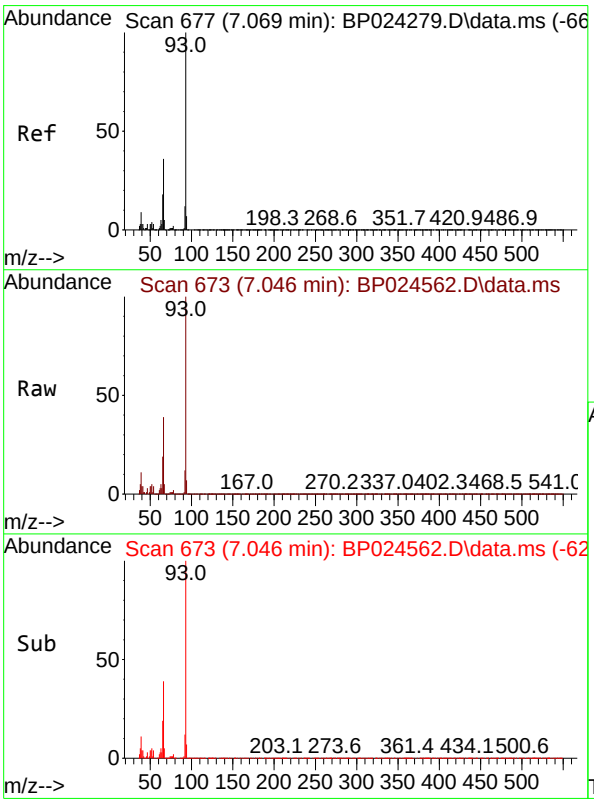
#5
2-Fluorophenol
Concen: 71.087 ng
RT: 5.328 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:112 Resp: 677249

Ion	Ratio	Lower	Upper
112	100		
64	53.5	41.1	61.7
63	28.2	20.6	30.8

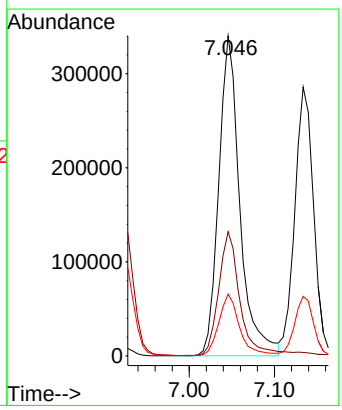


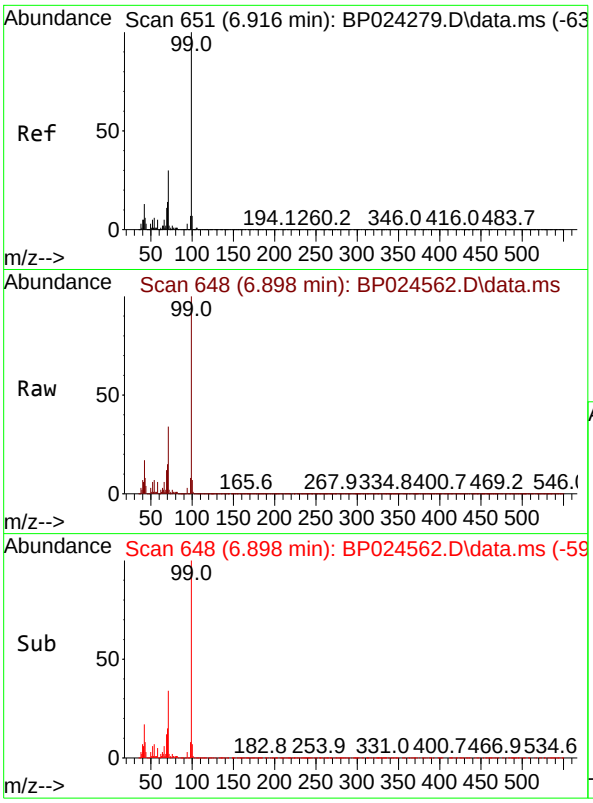


#6
Aniline
Concen: 50.217 ng
RT: 7.046 min Scan# 673
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion: 93 Resp: 585378

Ion	Ratio	Lower	Upper
93	100		
66	38.9	29.1	43.7
65	19.3	14.7	22.1



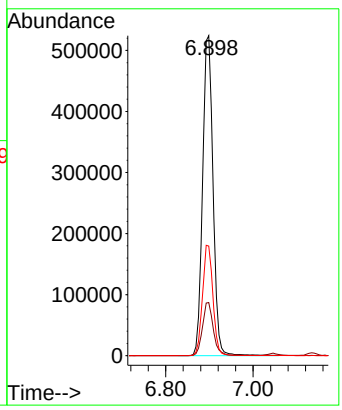


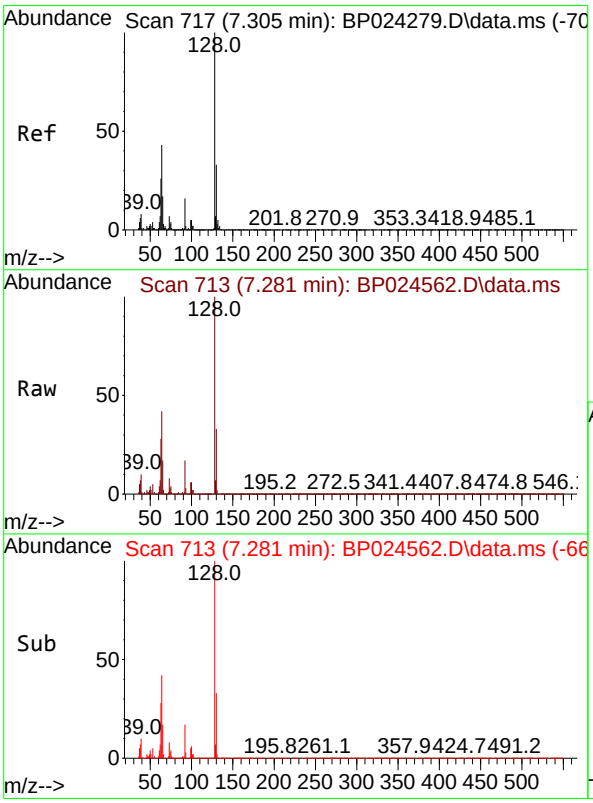
#7
Phenol-d6
Concen: 66.832 ng
RT: 6.898 min Scan# 64
Delta R.T. -0.012 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion: 99 Resp: 871840

Ion	Ratio	Lower	Upper
99	100		
42	16.6	10.6	16.0#
71	34.3	23.7	35.5

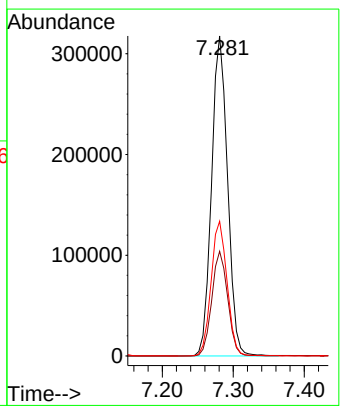


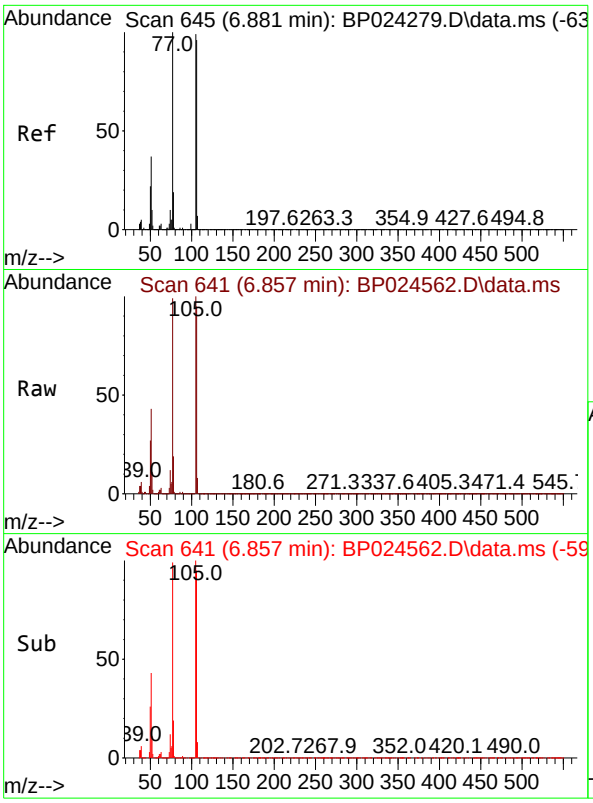


#8
2-Chlorophenol
Concen: 46.591 ng
RT: 7.281 min Scan# 713
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:128 Resp: 495585

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.9	52.9
64	42.1	22.7	62.7



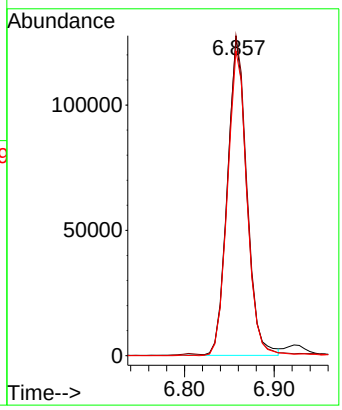


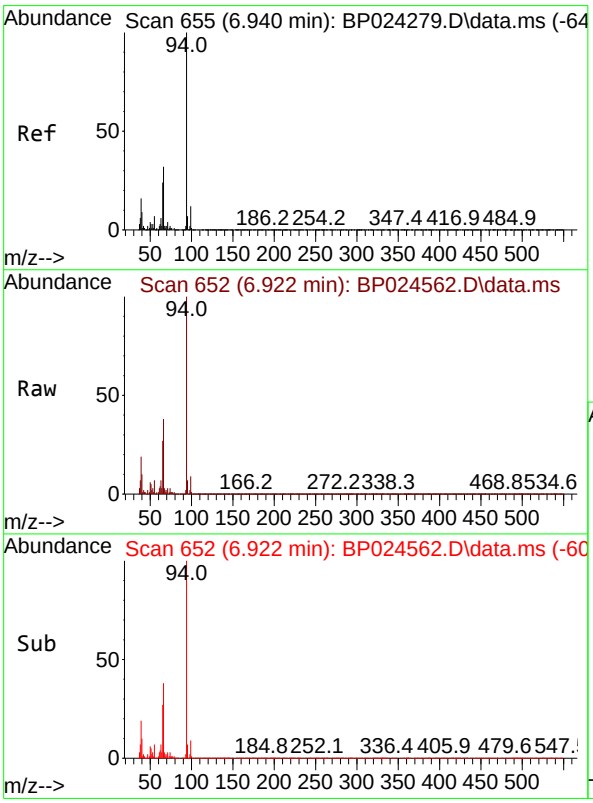
#9
Benzaldehyde
Concen: 29.318 ng
RT: 6.857 min Scan# 64
Delta R.T. -0.024 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion: 77 Resp: 189188

Ion	Ratio	Lower	Upper
77	100		
105	100.8	79.2	119.2
106	96.0	76.2	116.2

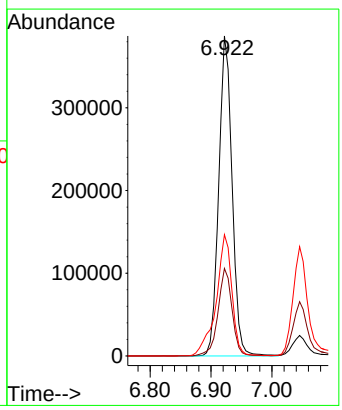


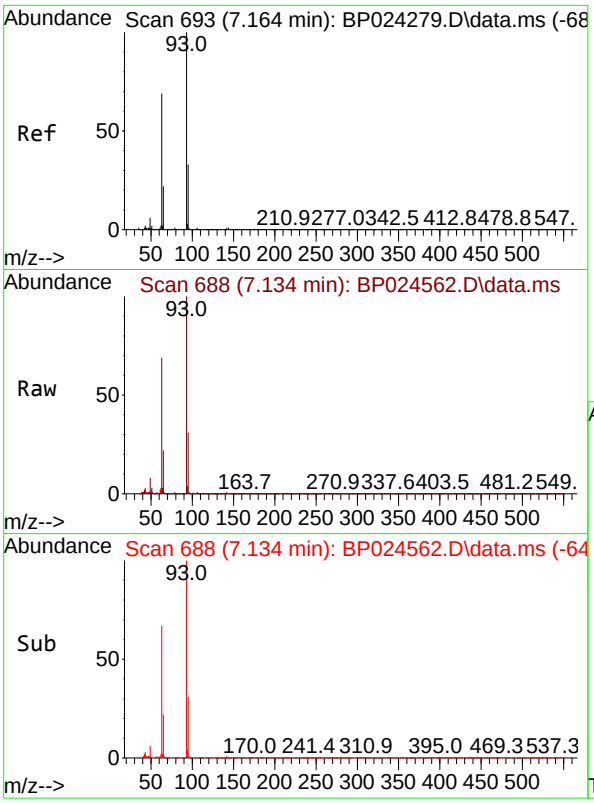


#10
Phenol
Concen: 44.953 ng
RT: 6.922 min Scan# 652
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion: 94 Resp: 588264

Ion	Ratio	Lower	Upper
94	100		
65	27.3	4.5	44.5
66	37.9	12.4	52.4



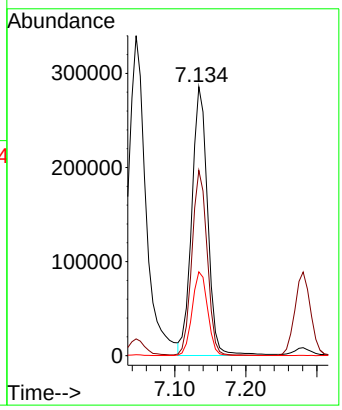


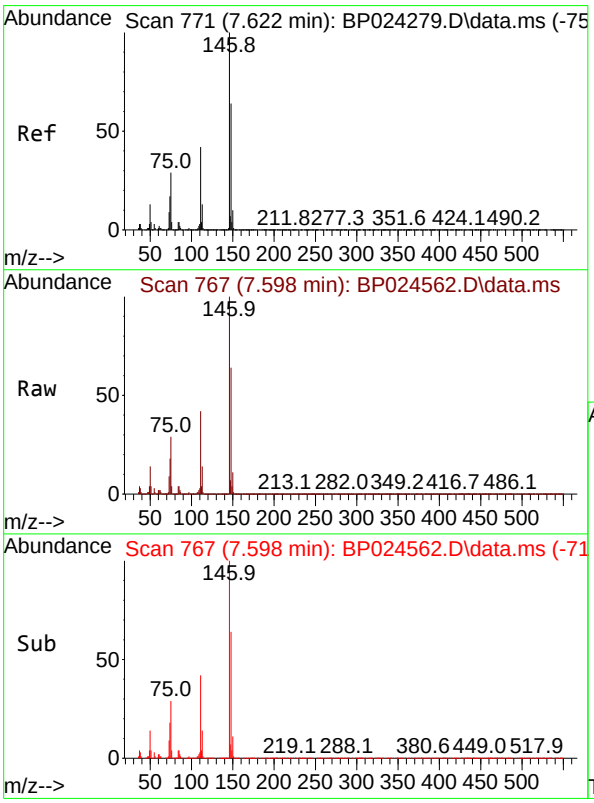
#11
bis(2-Chloroethyl)ether
Concen: 42.180 ng
RT: 7.134 min Scan# 6
Delta R.T. -0.024 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion: 93 Resp: 444733

Ion	Ratio	Lower	Upper
93	100		
63	68.9	48.6	88.6
95	31.2	12.3	52.3

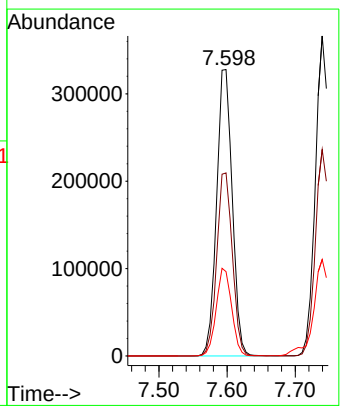


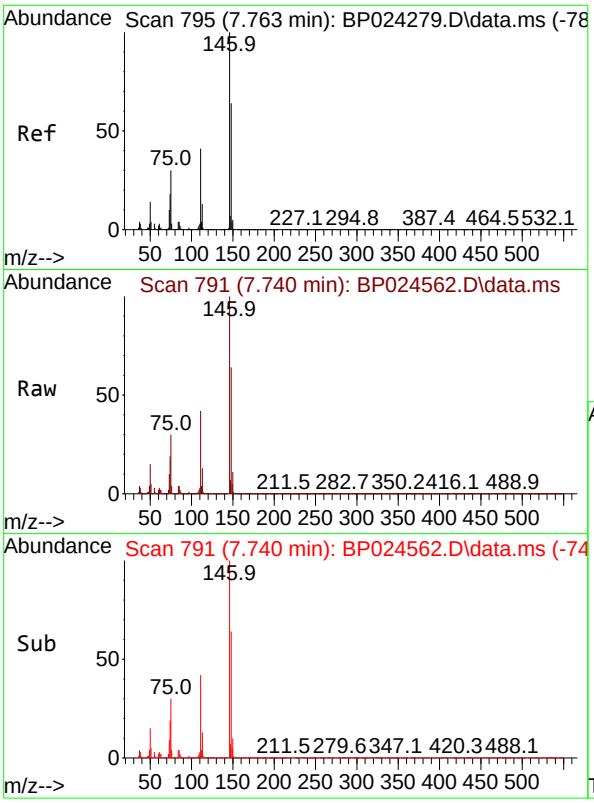


#12
1,3-Dichlorobenzene
Concen: 45.728 ng
RT: 7.598 min Scan# 767
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:146 Resp: 523654

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.4	77.0
75	29.4	22.9	34.3



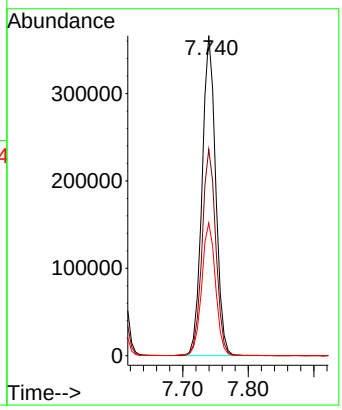


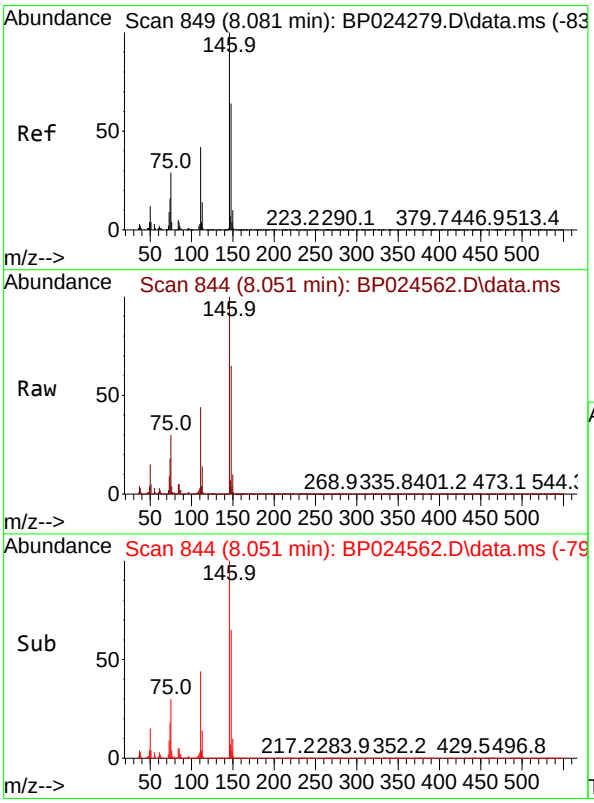
#13
1,4-Dichlorobenzene
Concen: 45.499 ng
RT: 7.740 min Scan# 7
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:146 Resp: 528640

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.1	76.7
111	41.5	32.6	48.8

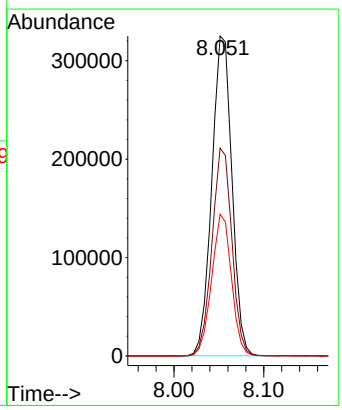


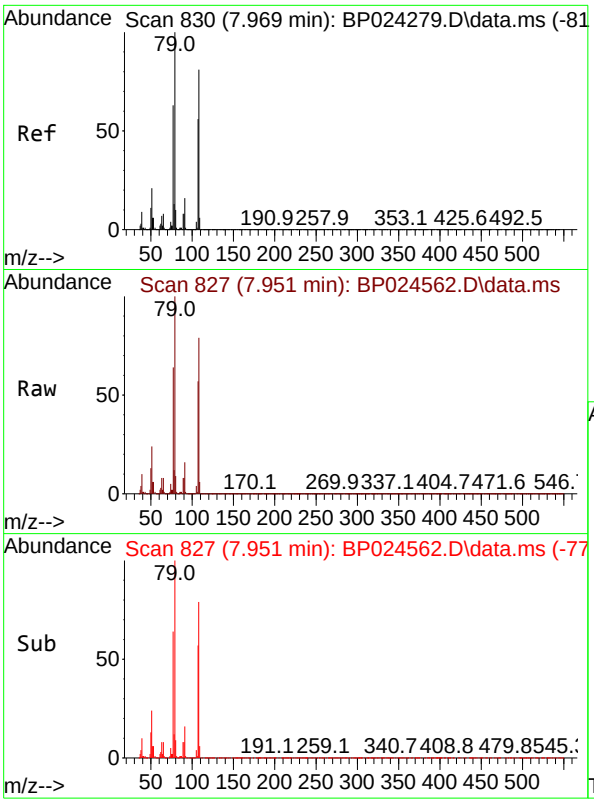


#14
1,2-Dichlorobenzene
Concen: 45.231 ng
RT: 8.051 min Scan# 844
Delta R.T. -0.024 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:146 Resp: 507460

Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.0	76.4
111	44.3	33.8	50.8



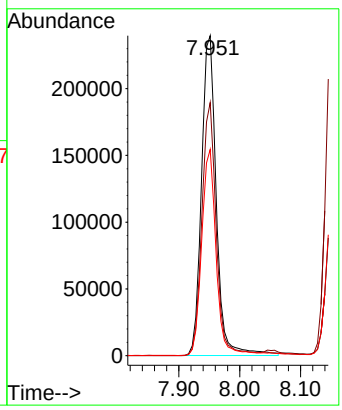


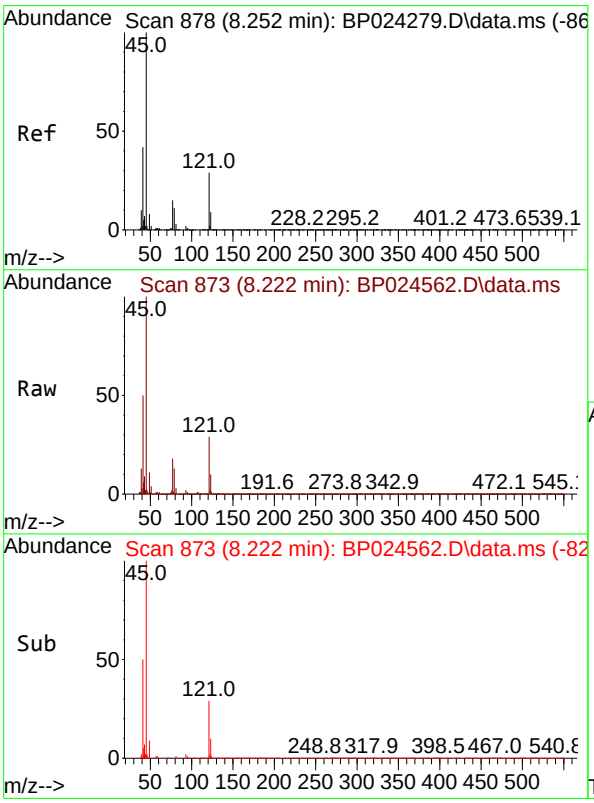
#15
Benzyl Alcohol
Concen: 47.936 ng
RT: 7.951 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion: 79 Resp: 404407

Ion	Ratio	Lower	Upper
79	100		
108	79.1	65.1	97.7
77	64.4	50.7	76.1

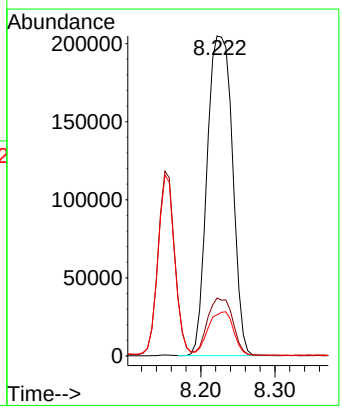


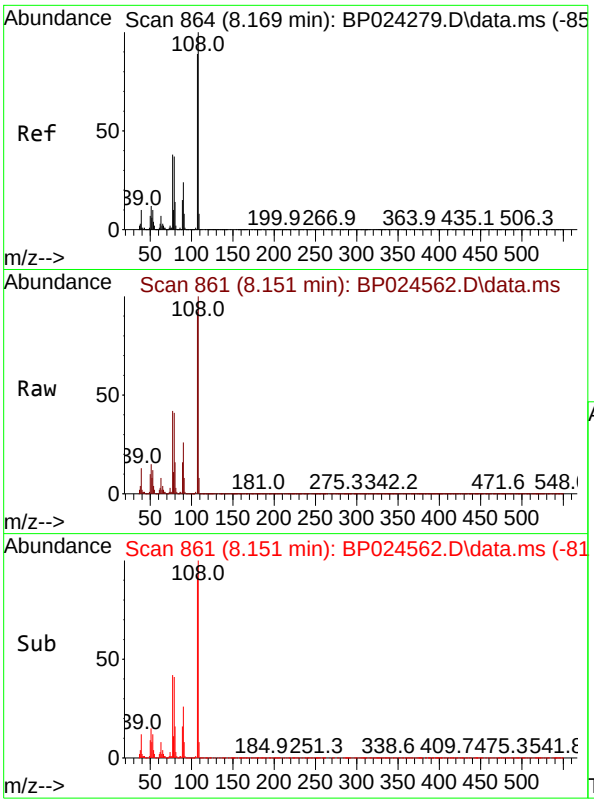


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.581 ng
RT: 8.222 min Scan# 873
Delta R.T. -0.024 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion: 45 Resp: 485289

Ion	Ratio	Lower	Upper
45	100		
77	18.1	0.0	37.7
79	12.9	0.0	33.5



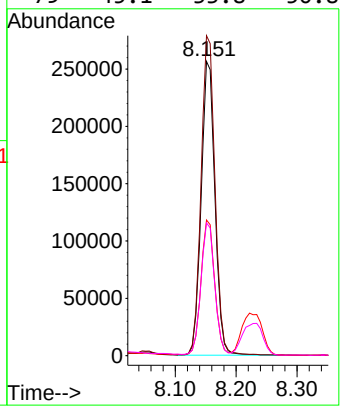


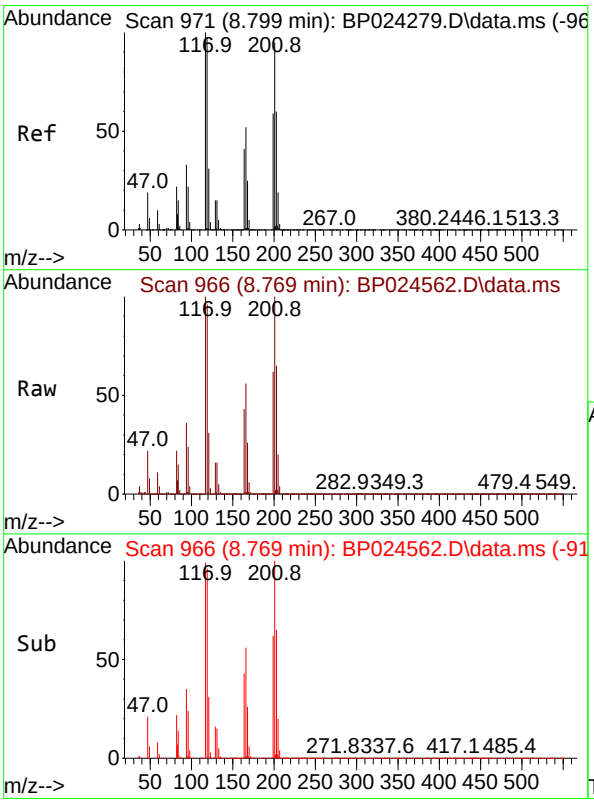
#17
2-Methylphenol
Concen: 47.454 ng
RT: 8.151 min Scan# 8
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:107 Resp: 401726

Ion	Ratio	Lower	Upper
107	100		
108	108.7	89.8	134.6
77	46.1	34.2	51.4
79	45.1	33.8	50.8

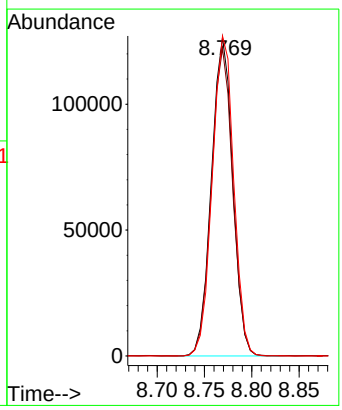


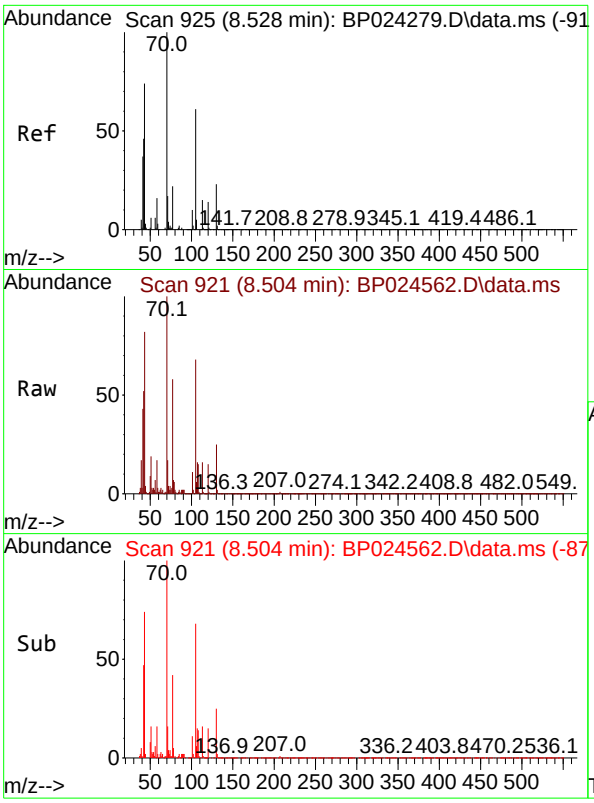


#18
Hexachloroethane
Concen: 47.219 ng
RT: 8.769 min Scan# 966
Delta R.T. -0.024 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:117 Resp: 198270

Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.8	116.6
201	100.5	75.9	113.9



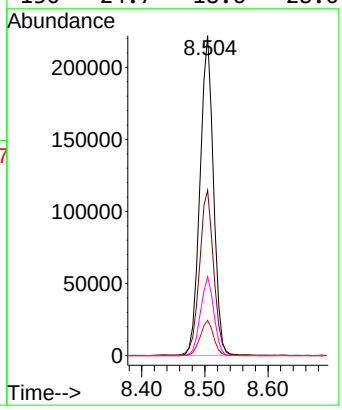


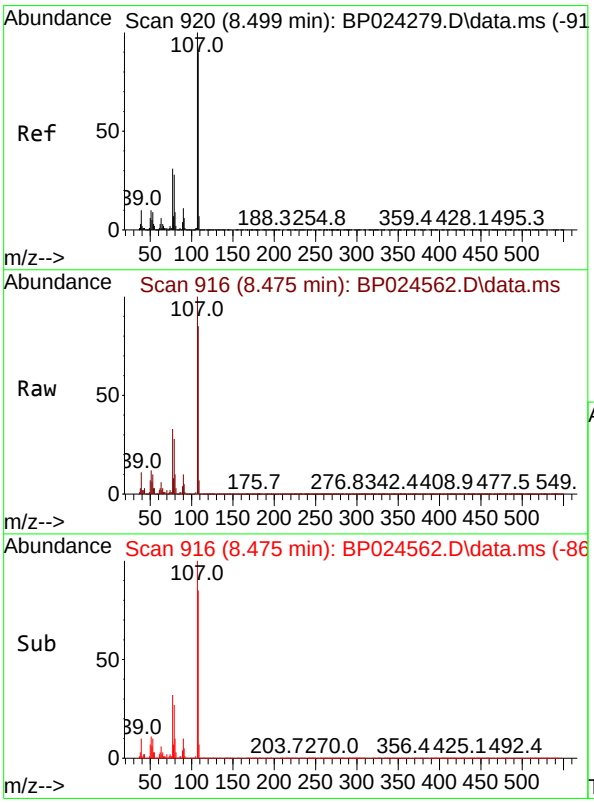
#19
n-Nitroso-di-n-propylamine
Concen: 40.525 ng
RT: 8.504 min Scan# 9
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion: 70 Resp: 327062

Ion	Ratio	Lower	Upper
70	100		
42	51.7	37.3	55.9
101	11.1	8.2	12.4
130	24.7	18.6	28.0

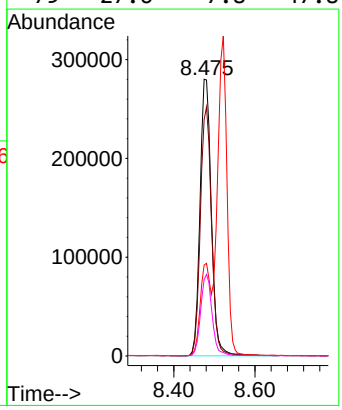


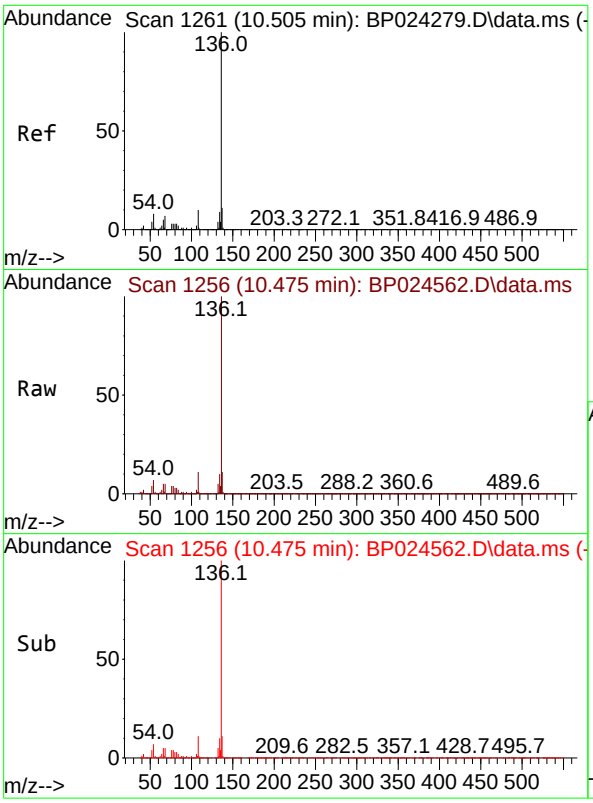


#20
3+4-Methylphenols
Concen: 46.356 ng
RT: 8.475 min Scan# 916
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:107 Resp: 544513

Ion	Ratio	Lower	Upper
107	100		
108	85.4	69.8	109.8
77	32.9	11.5	51.5
79	27.6	7.8	47.8



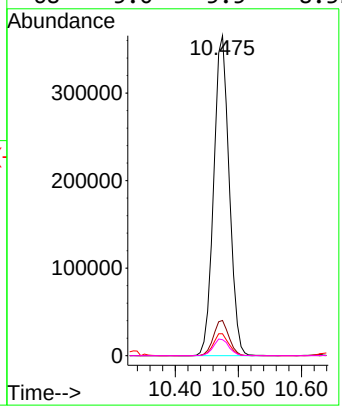


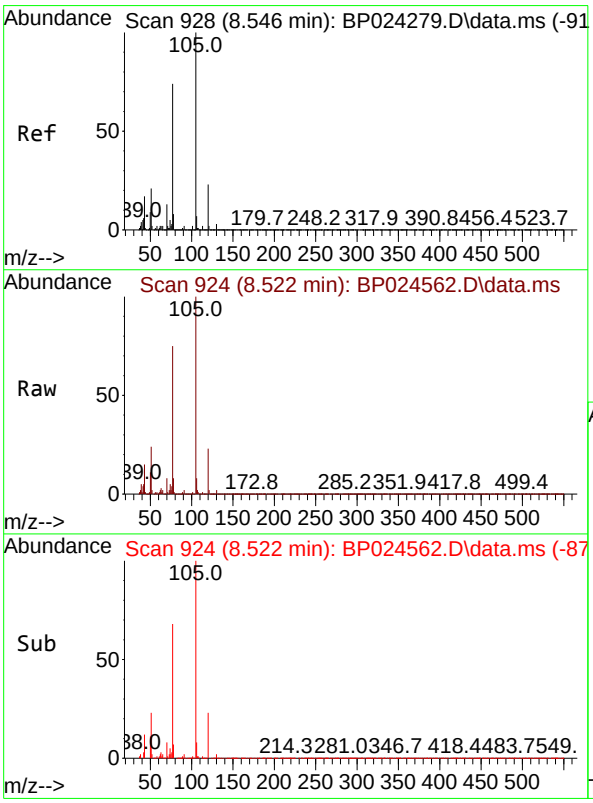
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.475 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:136 Resp: 621901

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	6.9	6.0	9.0
68	5.0	5.5	8.3#

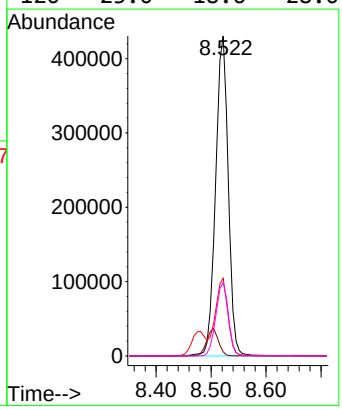


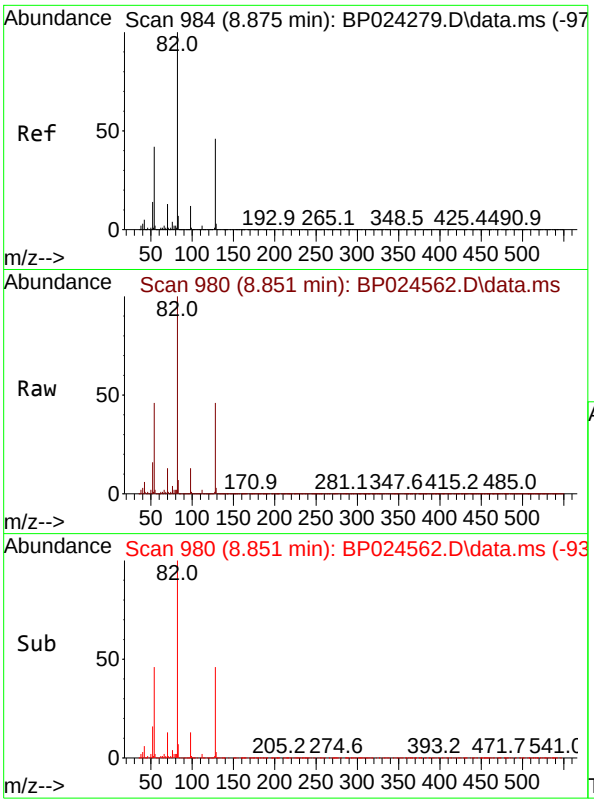


#22
Acetophenone
Concen: 44.751 ng
RT: 8.522 min Scan# 924
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:105 Resp: 688833

Ion	Ratio	Lower	Upper
105	100		
71	1.3	1.7	2.5#
51	24.2	16.9	25.3
120	23.0	18.6	28.0



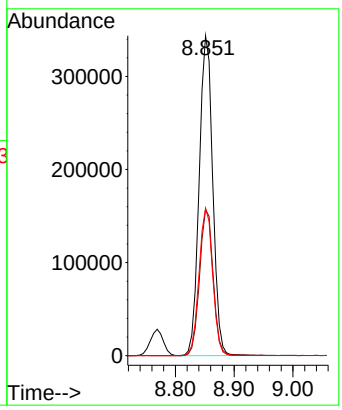


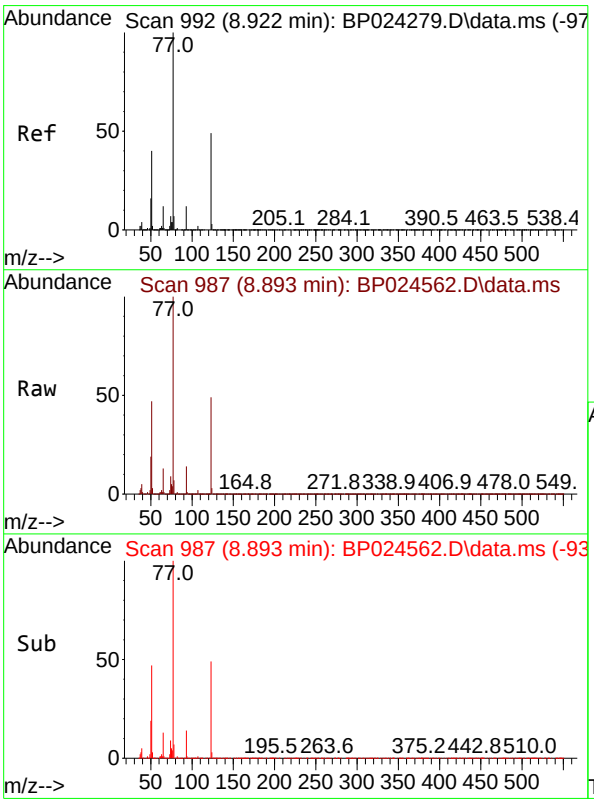
#23
Nitrobenzene-d5
Concen: 50.382 ng
RT: 8.851 min Scan# 9
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion: 82 Resp: 549495

Ion	Ratio	Lower	Upper
82	100		
128	45.7	36.5	54.7
54	46.2	33.4	50.2

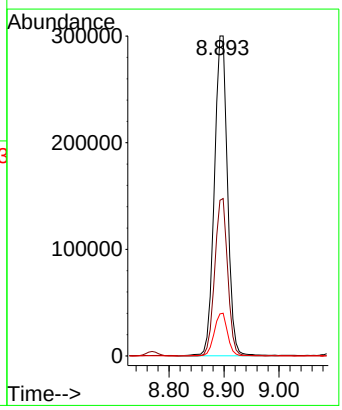


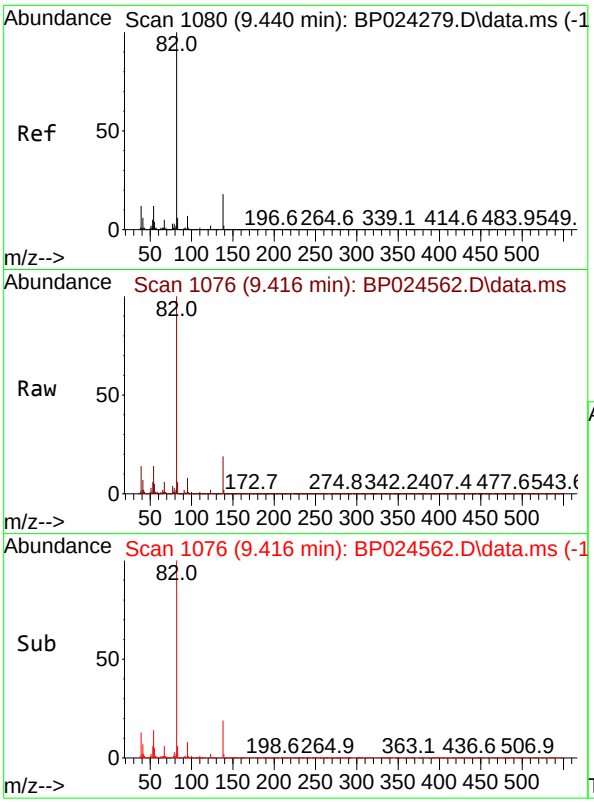


#24
Nitrobenzene
Concen: 46.134 ng
RT: 8.893 min Scan# 987
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion: 77 Resp: 497758

Ion	Ratio	Lower	Upper
77	100		
123	48.6	39.2	58.8
65	13.2	9.8	14.6



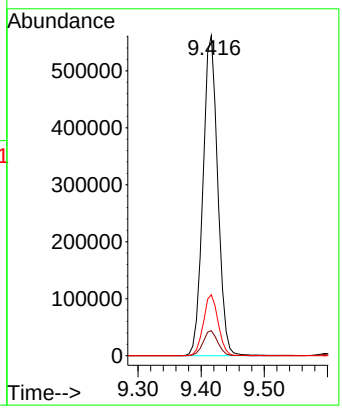


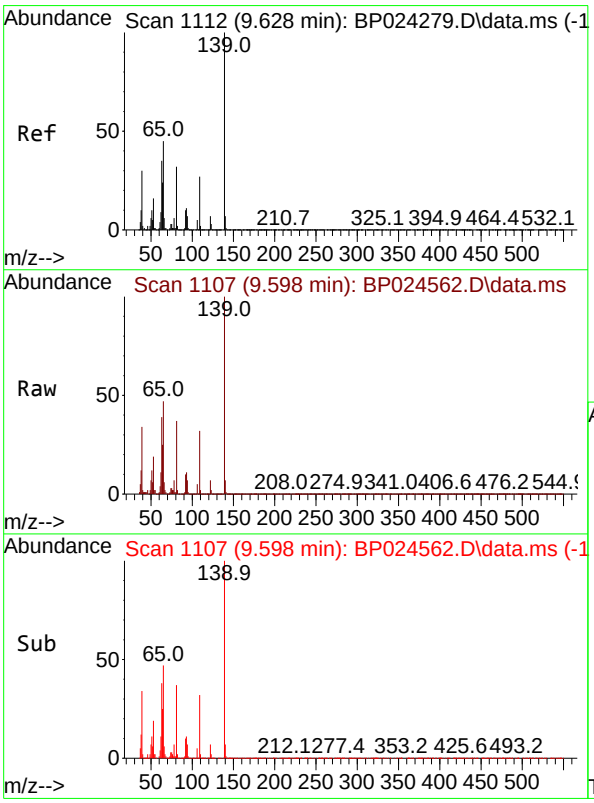
#25
Isophorone
Concen: 46.191 ng
RT: 9.416 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion: 82 Resp: 911870

Ion	Ratio	Lower	Upper
82	100		
95	7.8	5.4	8.2
138	19.0	14.4	21.6

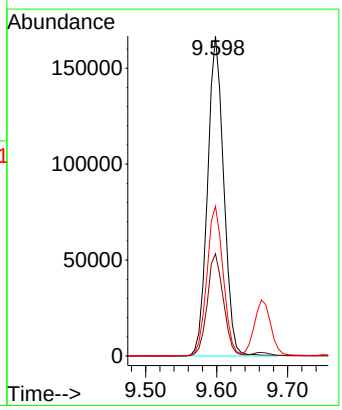


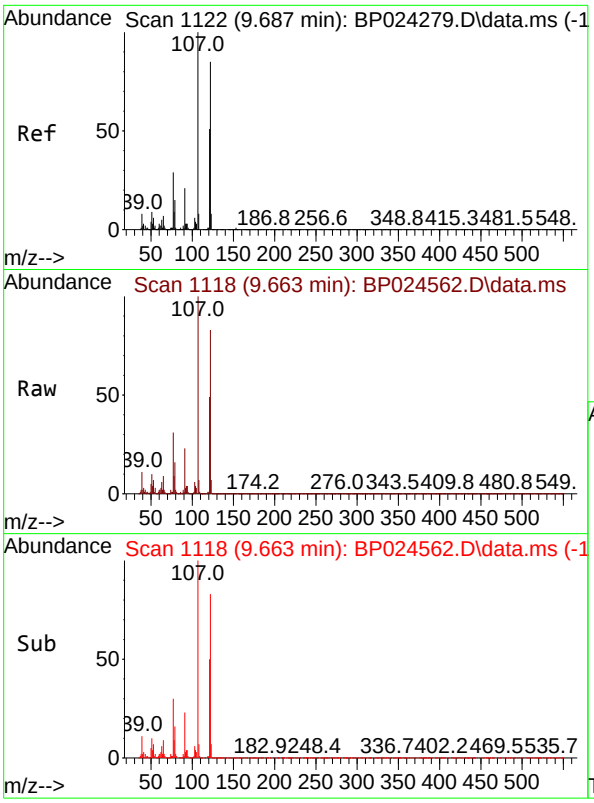


#26
2-Nitrophenol
Concen: 49.923 ng
RT: 9.598 min Scan# 1107
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:139 Resp: 263592

Ion	Ratio	Lower	Upper
139	100		
109	32.0	21.8	32.6
65	46.8	36.2	54.2



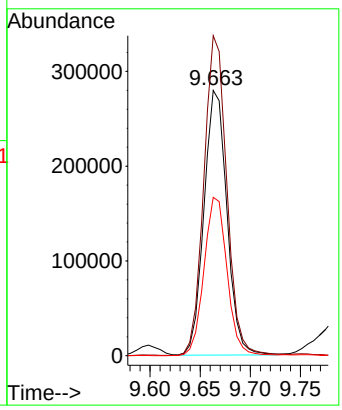


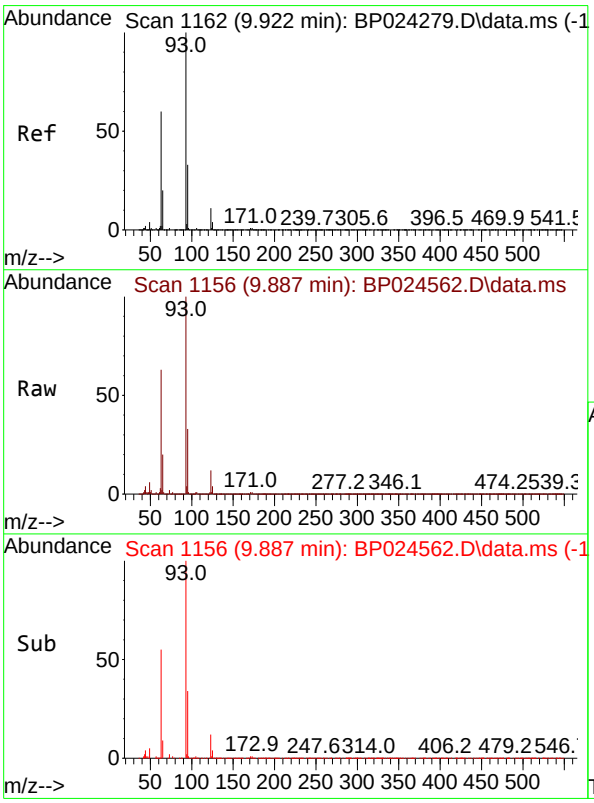
#27
2,4-Dimethylphenol
Concen: 67.257 ng
RT: 9.663 min Scan# 11
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:122 Resp: 445892

Ion	Ratio	Lower	Upper
122	100		
107	120.6	93.7	140.5
121	59.7	48.2	72.2

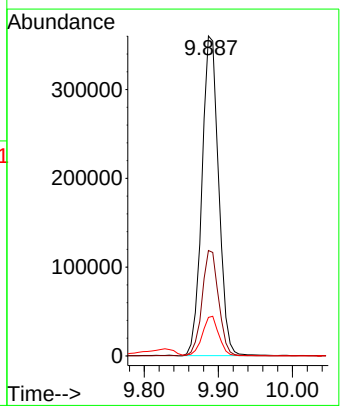


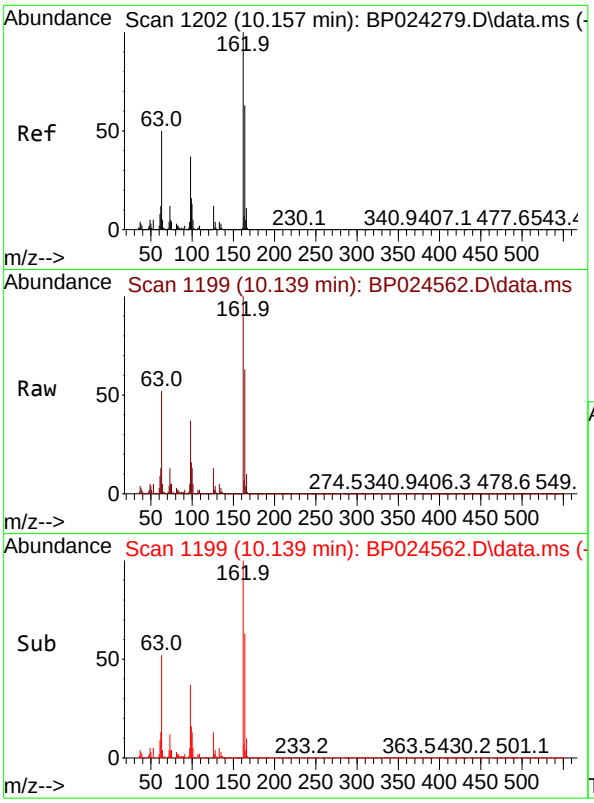


#28
bis(2-Chloroethoxy)methane
Concen: 42.296 ng
RT: 9.887 min Scan# 1156
Delta R.T. -0.024 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion: 93 Resp: 564064

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.0	39.0
123	12.1	9.1	13.7



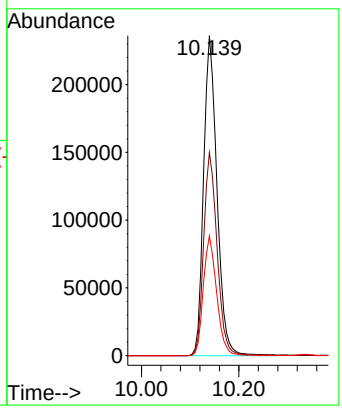


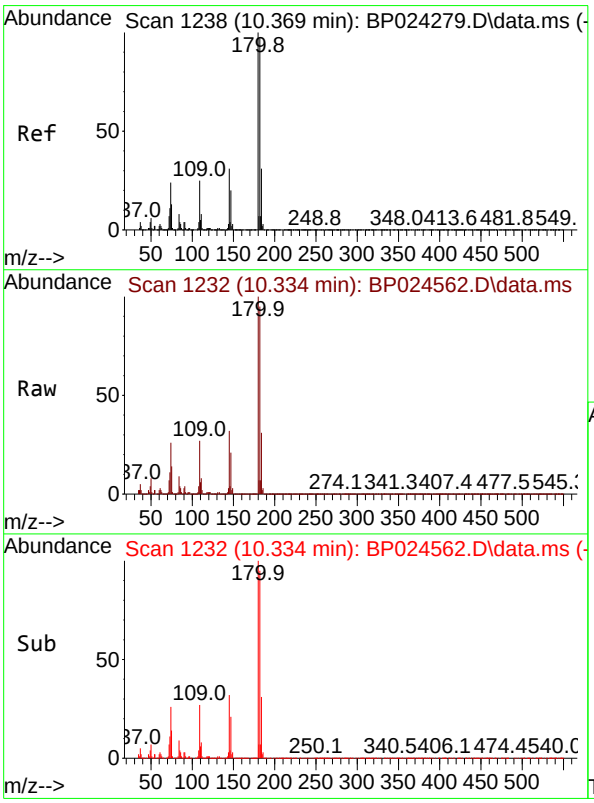
#29
2,4-Dichlorophenol
Concen: 49.730 ng
RT: 10.139 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:162 Resp: 449535

Ion	Ratio	Lower	Upper
162	100		
164	63.5	43.3	83.3
98	37.4	16.6	56.6

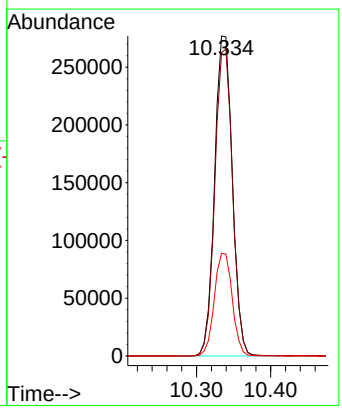


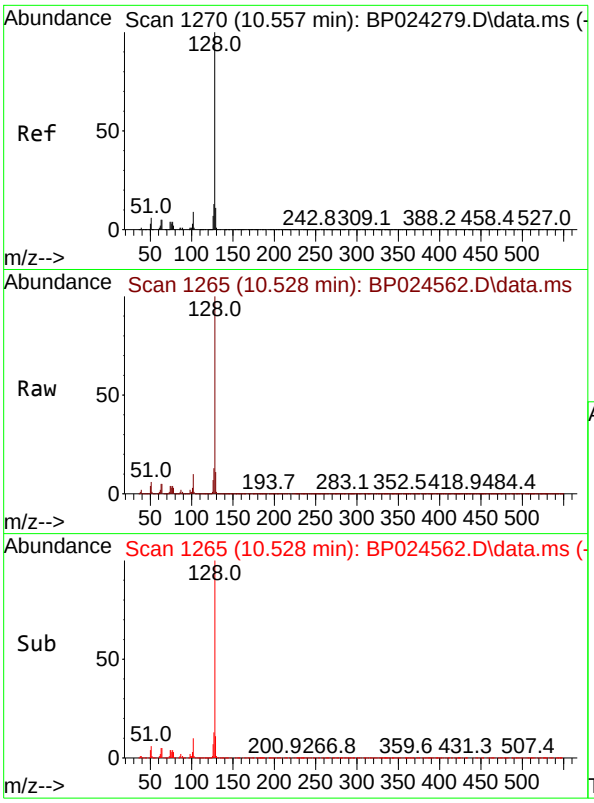


#30
1,2,4-Trichlorobenzene
Concen: 47.511 ng
RT: 10.334 min Scan# 1232
Delta R.T. -0.030 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:180 Resp: 460154

Ion	Ratio	Lower	Upper
180	100		
182	94.8	77.3	115.9
145	32.1	25.1	37.7



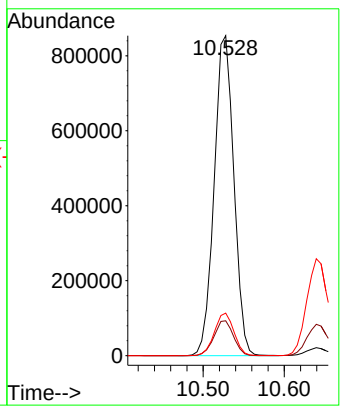


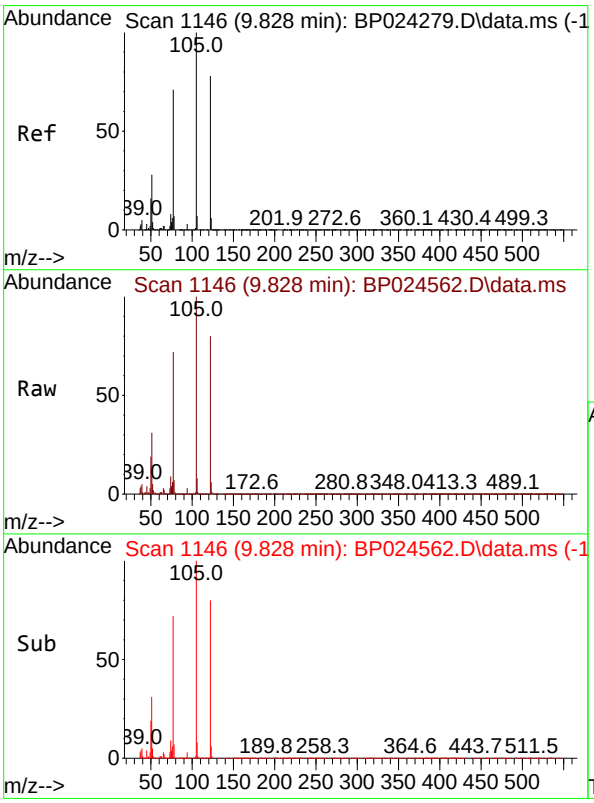
#31
Naphthalene
Concen: 43.905 ng
RT: 10.528 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:128 Resp: 1438310

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	13.3	10.3	15.5

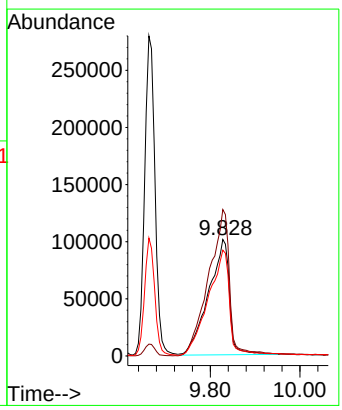


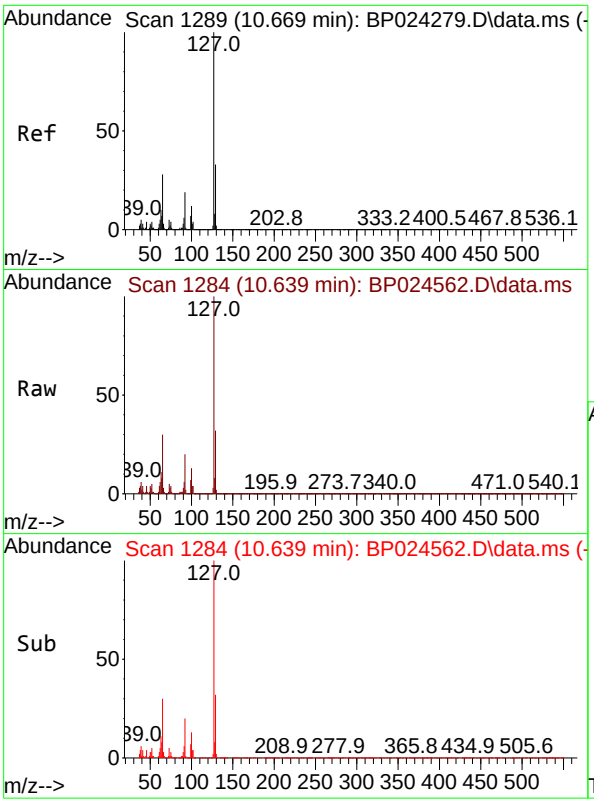


#32
Benzoic acid
Concen: 42.383 ng
RT: 9.828 min Scan# 1146
Delta R.T. 0.006 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:122 Resp: 327410

Ion	Ratio	Lower	Upper
122	100		
105	125.8	104.8	144.8
77	90.9	69.2	109.2



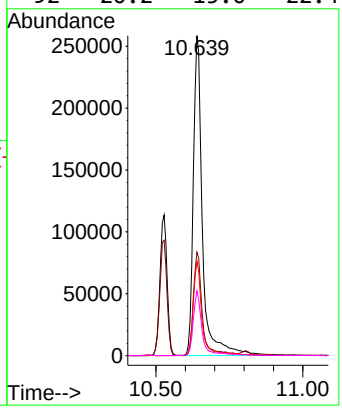


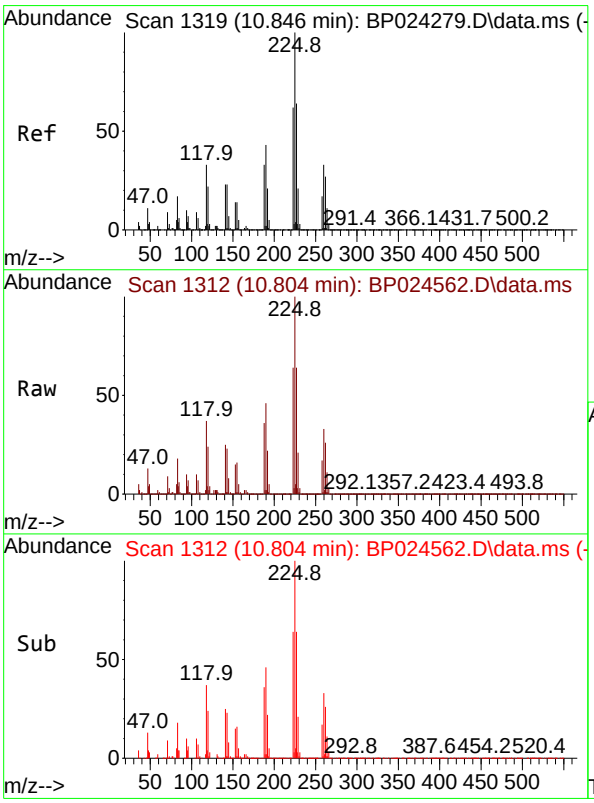
#33
4-Chloroaniline
Concen: 48.639 ng
RT: 10.639 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:127 Resp: 561129

Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.1	39.1
65	29.5	22.1	33.1
92	20.2	15.0	22.4

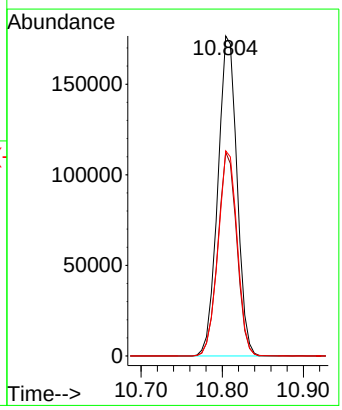


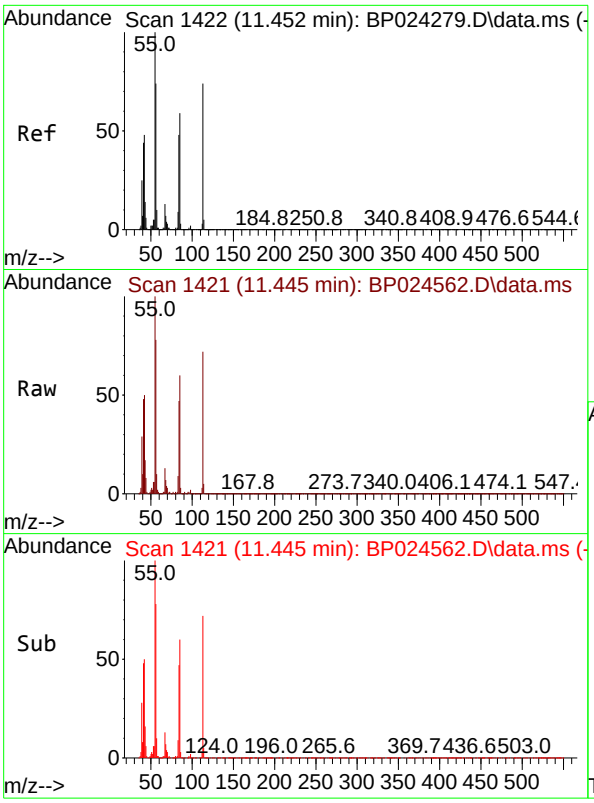


#34
Hexachlorobutadiene
Concen: 50.883 ng
RT: 10.804 min Scan# 1312
Delta R.T. -0.024 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:225 Resp: 289590

Ion	Ratio	Lower	Upper
225	100		
223	63.6	49.5	74.3
227	64.1	50.9	76.3



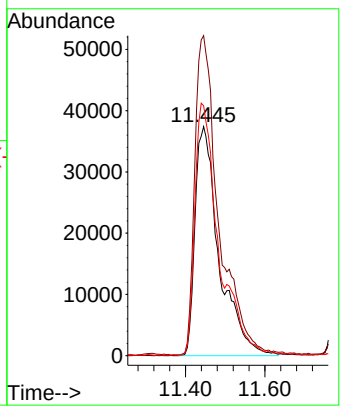


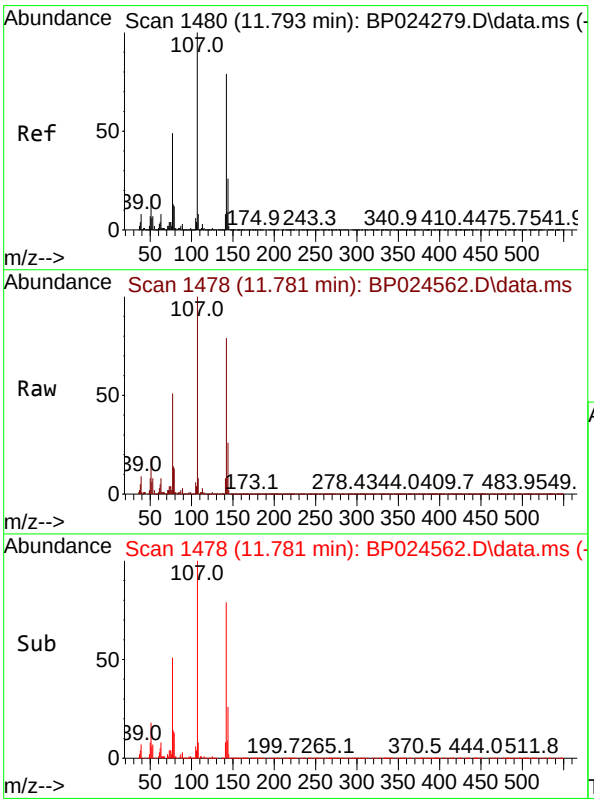
#35
Caprolactam
Concen: 47.234 ng
RT: 11.445 min Scan# 14
Delta R.T. -0.000 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:113 Resp: 157545

Ion	Ratio	Lower	Upper
113	100		
55	139.6	115.9	155.9
56	109.0	81.1	121.1

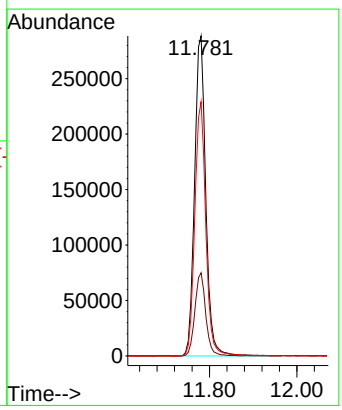


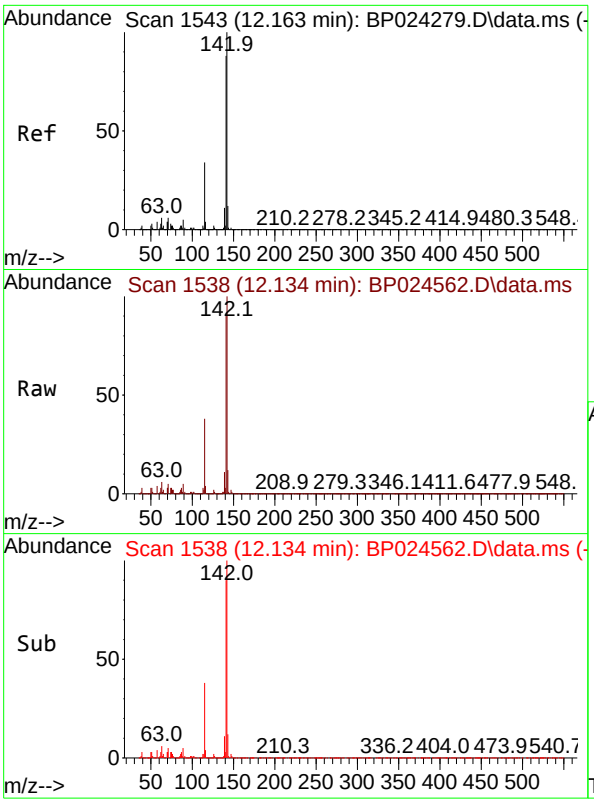


#36
4-Chloro-3-methylphenol
Concen: 48.776 ng
RT: 11.781 min Scan# 1478
Delta R.T. -0.012 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:107 Resp: 513563

Ion	Ratio	Lower	Upper
107	100		
144	26.0	20.5	30.7
142	79.5	63.4	95.2



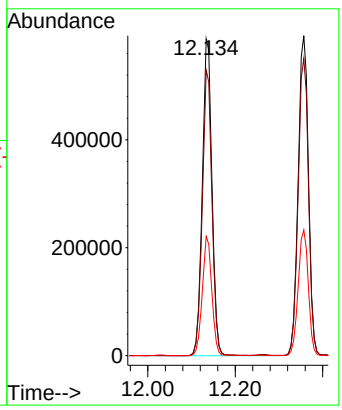


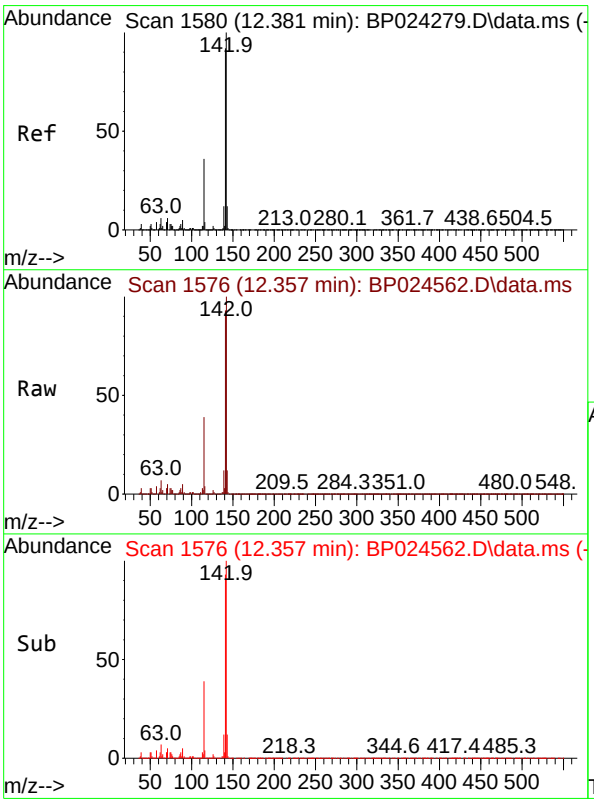
#37
2-Methylnaphthalene
Concen: 39.857 ng
RT: 12.134 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:142 Resp: 905522

Ion	Ratio	Lower	Upper
142	100		
141	90.1	70.3	105.5
115	37.6	26.9	40.3

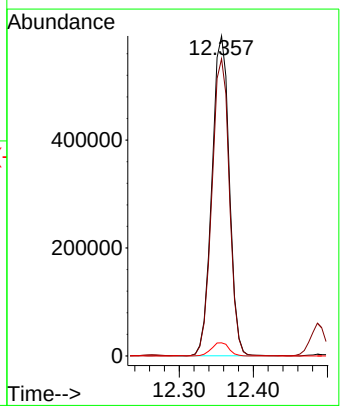


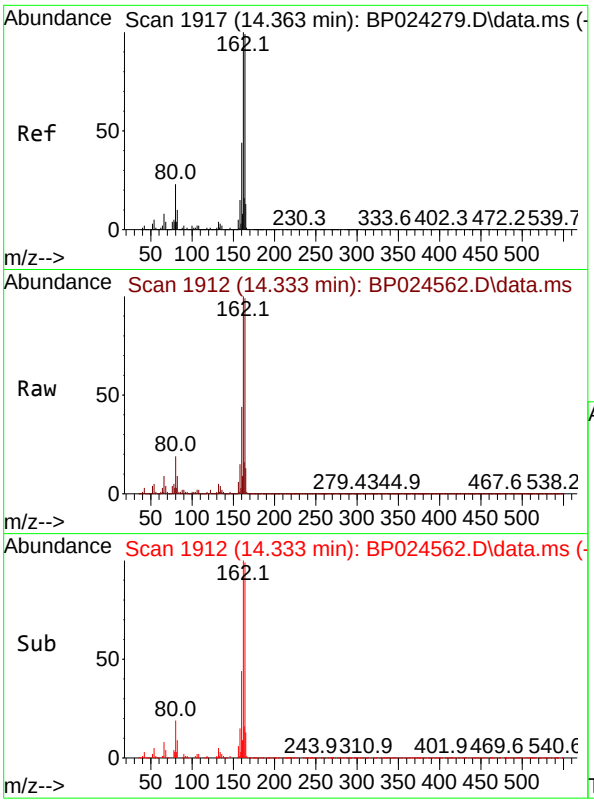


#38
1-Methylnaphthalene
Concen: 43.468 ng
RT: 12.357 min Scan# 1576
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:142 Resp: 966108

Ion	Ratio	Lower	Upper
142	100		
141	92.9	73.6	110.4
116	4.1	3.0	4.6



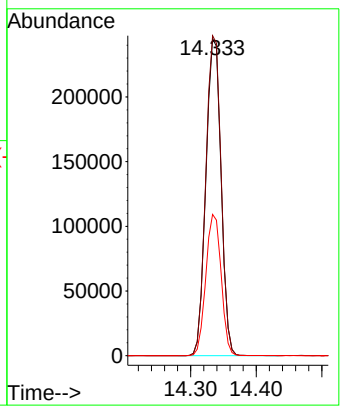


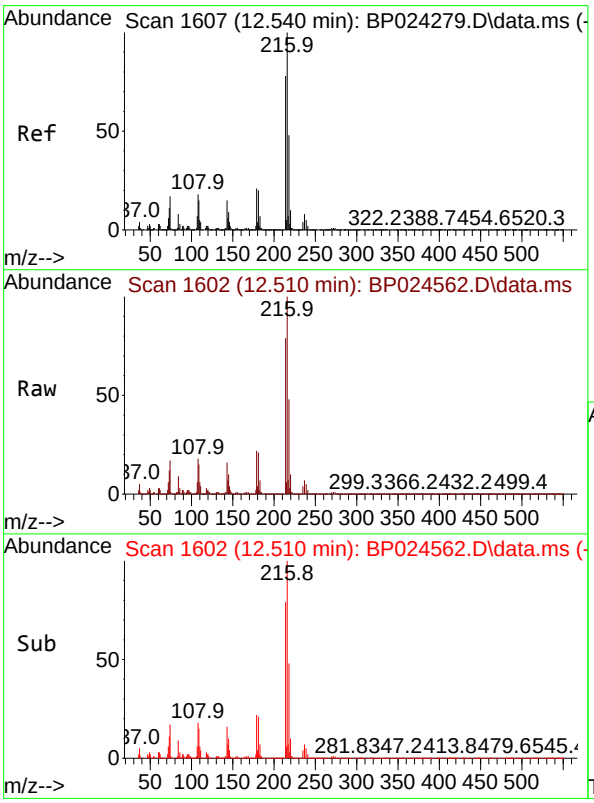
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.333 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:164 Resp: 393833

Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.6	120.8
160	44.5	35.3	52.9

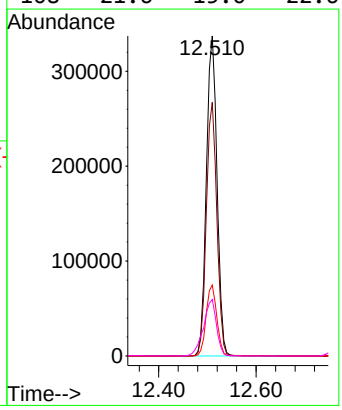


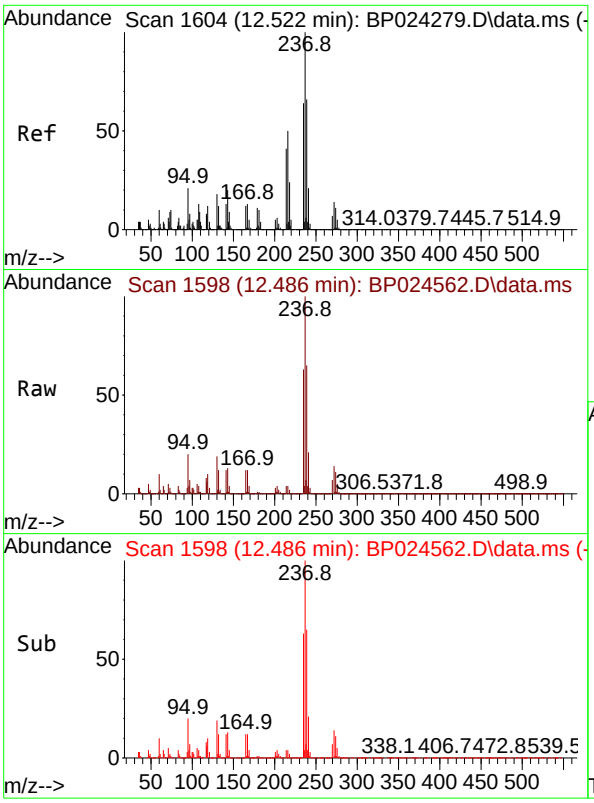


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.038 ng
RT: 12.510 min Scan# 1602
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:216 Resp: 509449

Ion	Ratio	Lower	Upper
216	100		
214	78.4	62.6	93.8
179	22.2	17.2	25.8
108	21.6	15.0	22.6



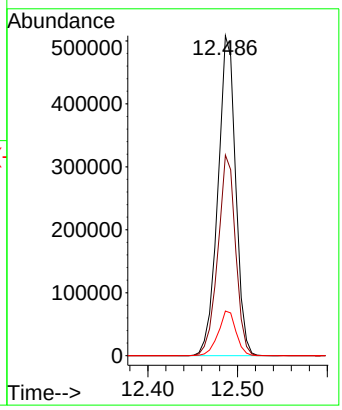


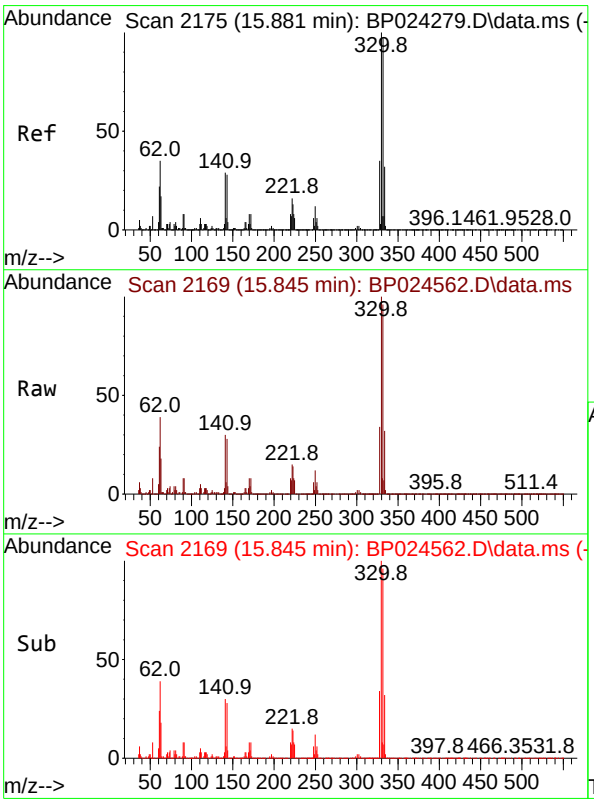
#41
Hexachlorocyclopentadiene
Concen: 181.929 ng
RT: 12.486 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:237 Resp: 696869

Ion	Ratio	Lower	Upper
237	100		
235	62.7	43.9	83.9
272	13.9	0.0	33.6

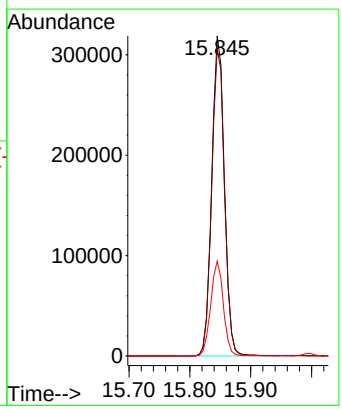


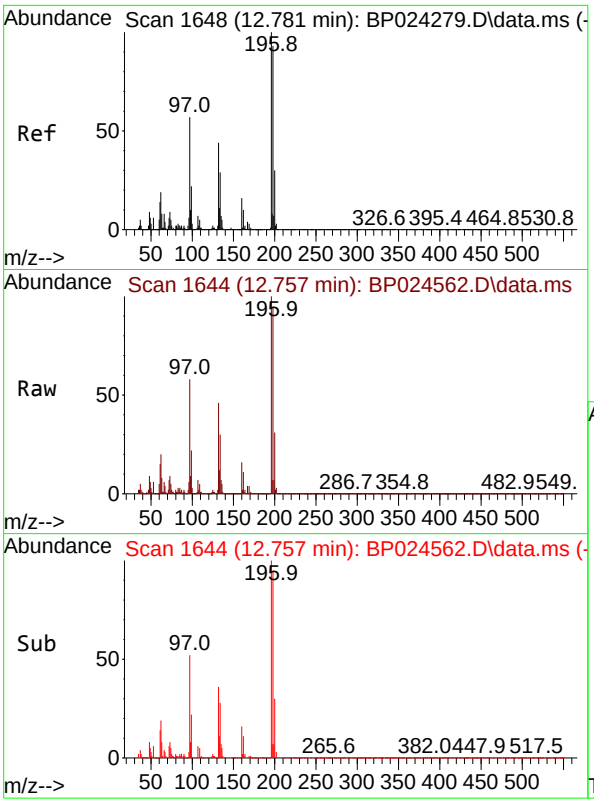


#42
2,4,6-Tribromophenol
Concen: 84.455 ng
RT: 15.845 min Scan# 2169
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:330 Resp: 460187

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.1	115.7
141	29.7	24.7	37.1



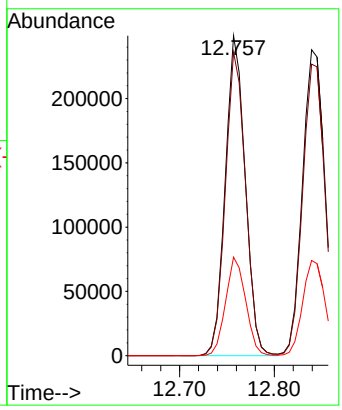


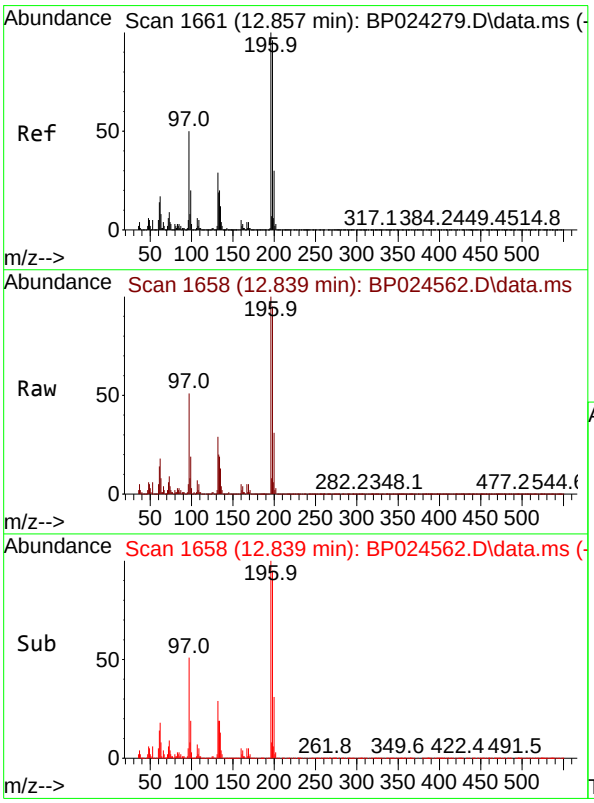
#43
2,4,6-Trichlorophenol
Concen: 50.748 ng
RT: 12.757 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:196 Resp: 365420

Ion	Ratio	Lower	Upper
196	100		
198	94.9	74.3	111.5
200	30.8	24.0	36.0

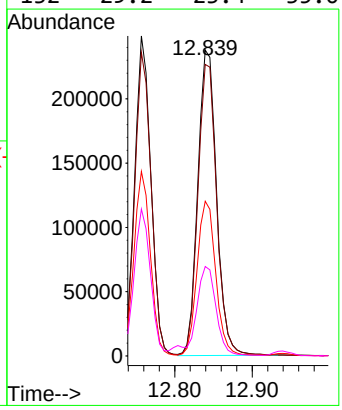


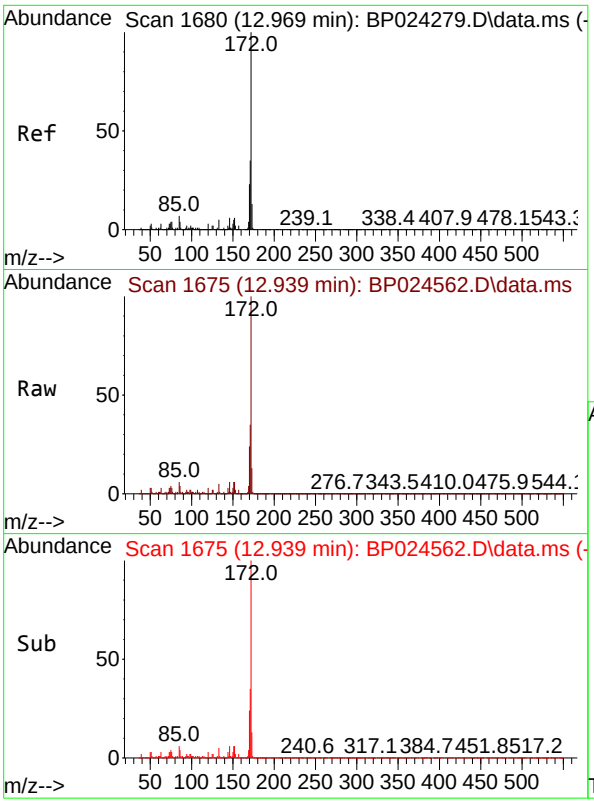


#44
2,4,5-Trichlorophenol
Concen: 50.319 ng
RT: 12.839 min Scan# 1658
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:196 Resp: 401238

Ion	Ratio	Lower	Upper
196	100		
198	95.3	77.3	115.9
97	50.6	40.4	60.6
132	29.2	23.4	35.0



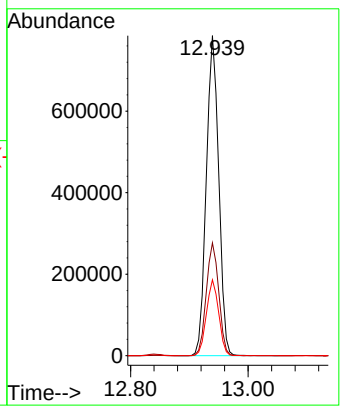


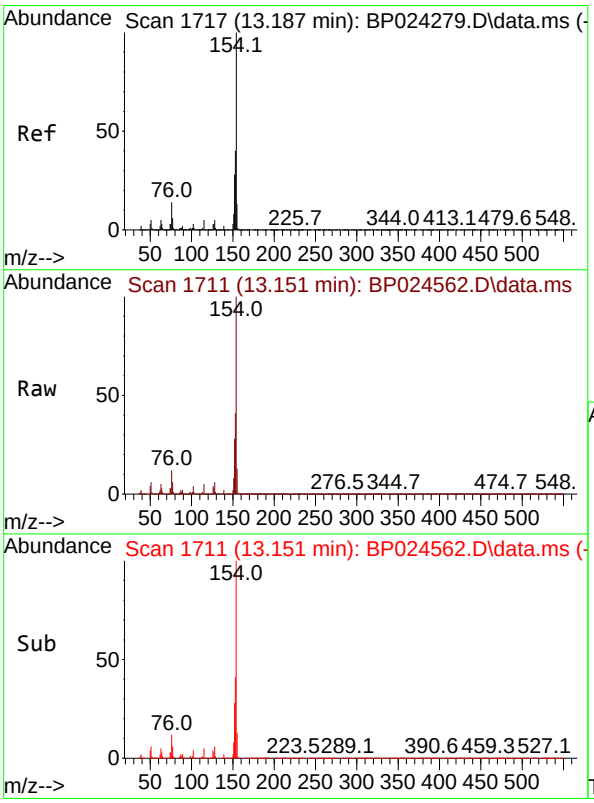
#45
2-Fluorobiphenyl
Concen: 44.861 ng
RT: 12.939 min Scan# 1
Delta R.T. -0.024 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:172 Resp: 1153910

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.2	42.2
170	23.7	18.6	27.8

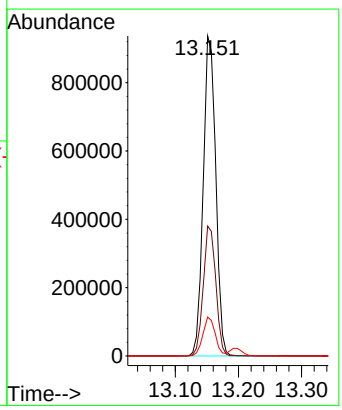


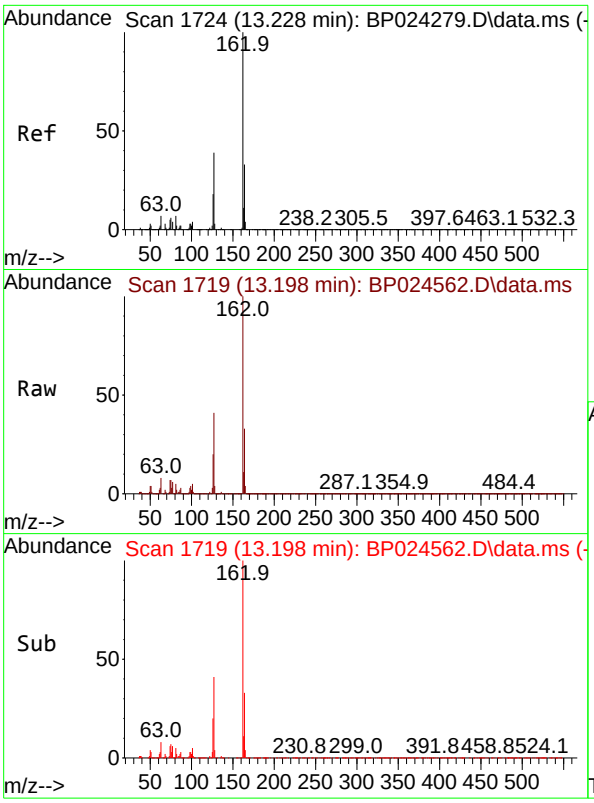


#46
1,1'-Biphenyl
Concen: 44.654 ng
RT: 13.151 min Scan# 1711
Delta R.T. -0.024 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:154 Resp: 1292677

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.3	60.3
76	12.1	0.0	33.5



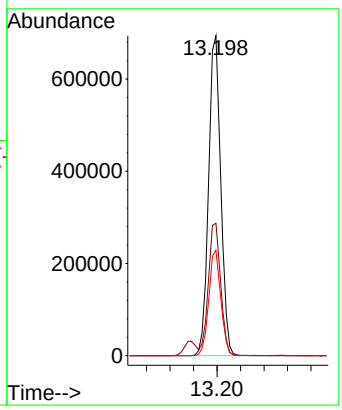


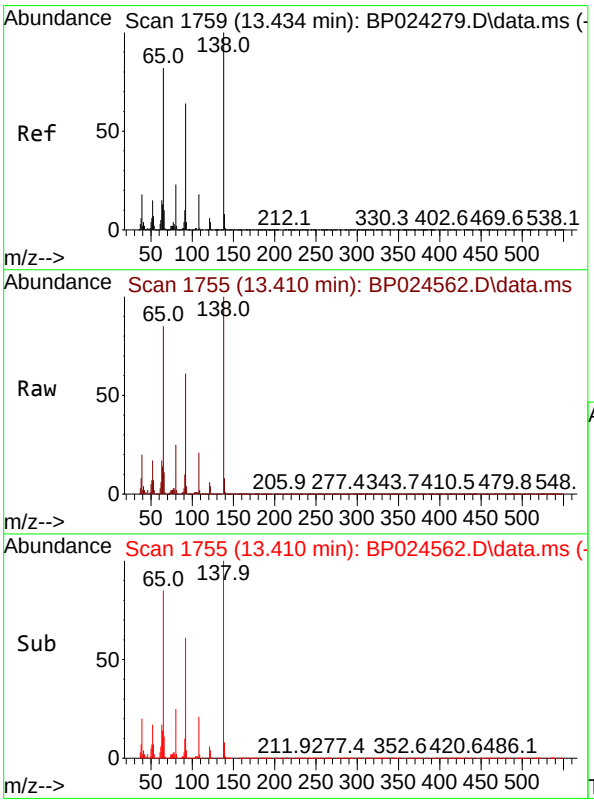
#47
2-Chloronaphthalene
Concen: 46.044 ng
RT: 13.198 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:162 Resp: 996212

Ion	Ratio	Lower	Upper
162	100		
127	41.4	31.9	47.9
164	32.9	26.2	39.4

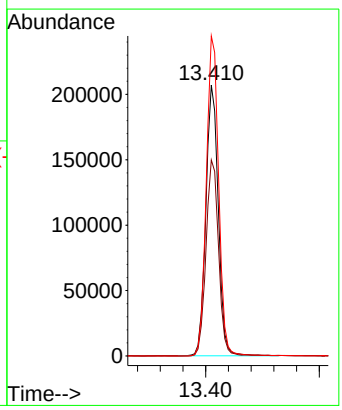


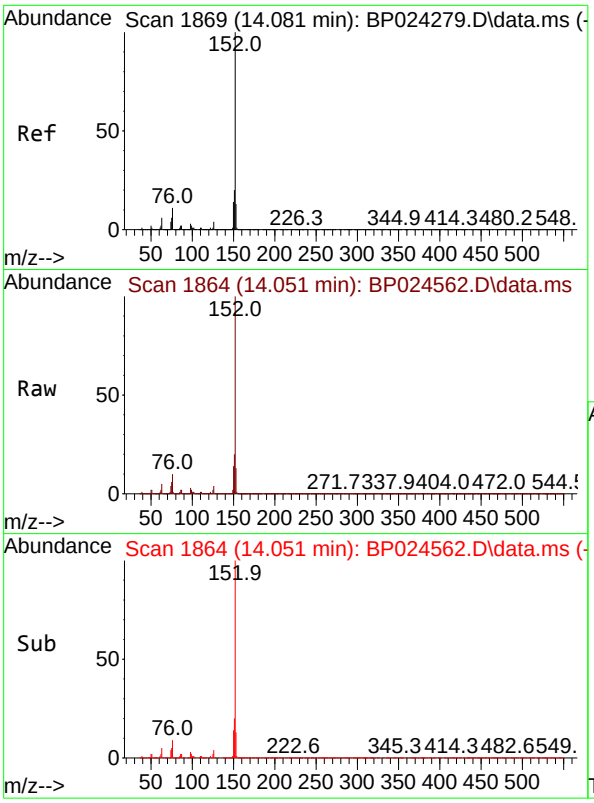


#48
2-Nitroaniline
Concen: 51.624 ng
RT: 13.410 min Scan# 1755
Delta R.T. -0.012 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion: 65 Resp: 313307

Ion	Ratio	Lower	Upper
65	100		
92	72.3	62.3	93.5
138	118.1	97.2	145.8



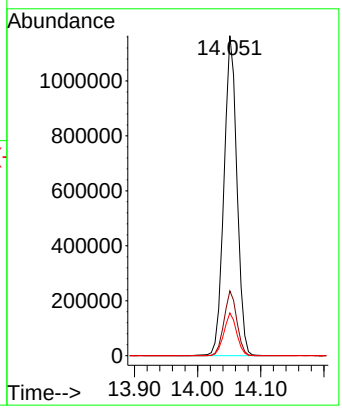


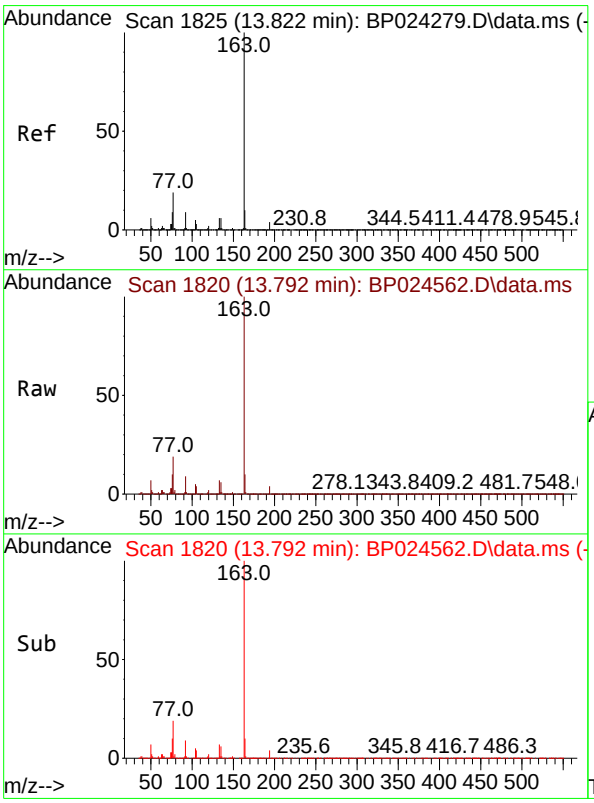
#49
Acenaphthylene
Concen: 48.758 ng
RT: 14.051 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:152 Resp: 1660892

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.9	23.9
153	13.3	10.6	15.8

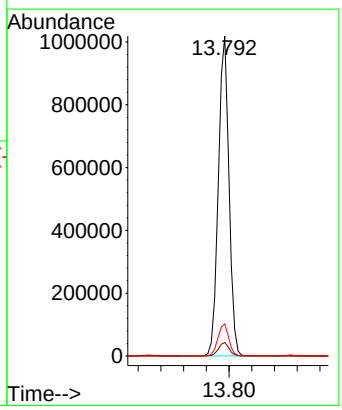


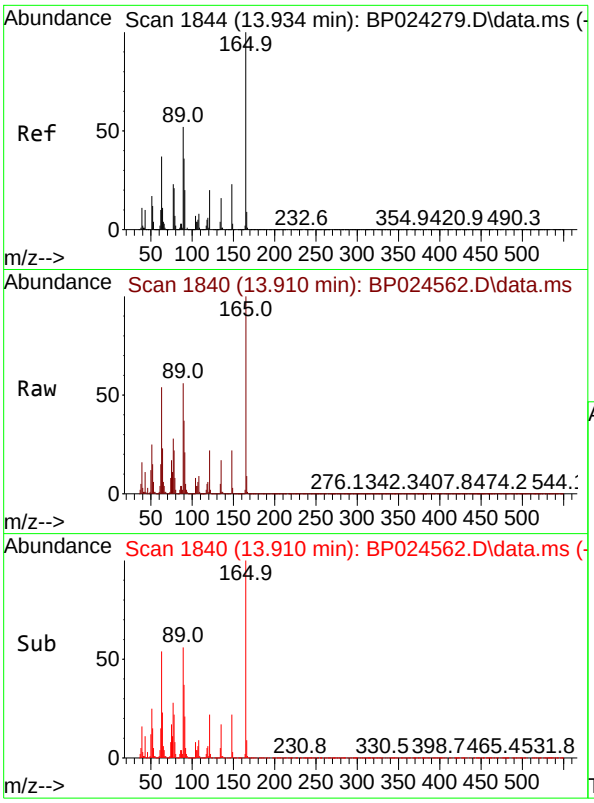


#50
Dimethylphthalate
Concen: 46.100 ng
RT: 13.792 min Scan# 1820
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:163 Resp: 1320326

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.5	5.3
164	10.0	8.0	12.0



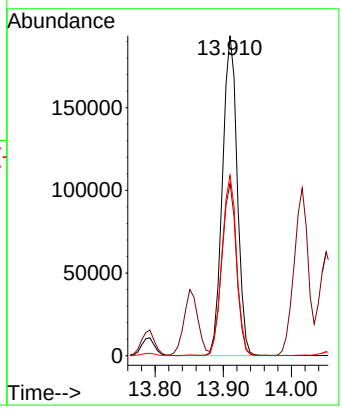


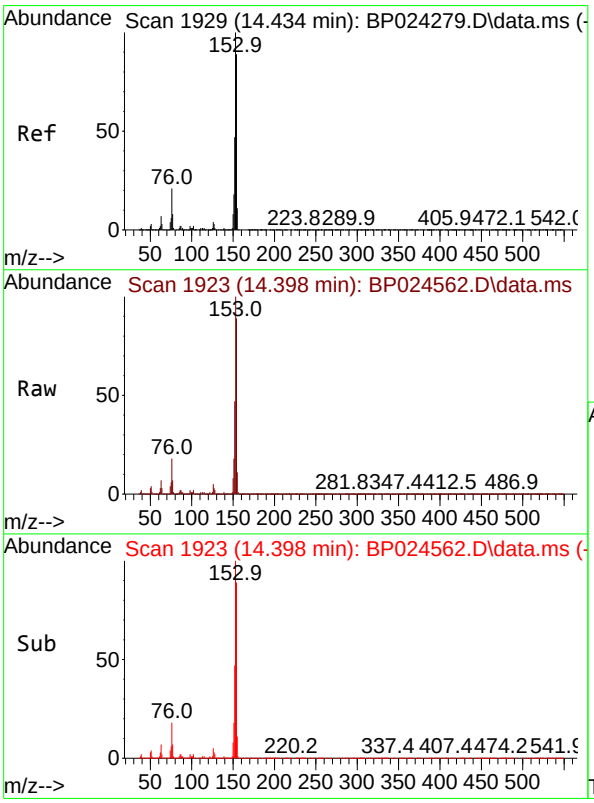
#51
2,6-Dinitrotoluene
Concen: 47.862 ng
RT: 13.910 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:165 Resp: 291084

Ion	Ratio	Lower	Upper
165	100		
63	53.9	38.0	57.0
89	56.4	41.7	62.5

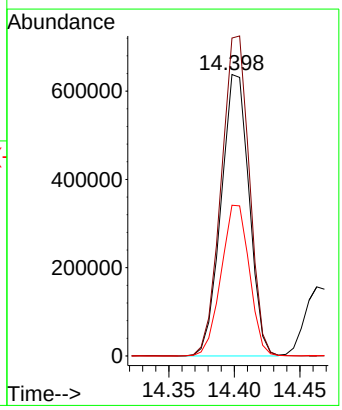


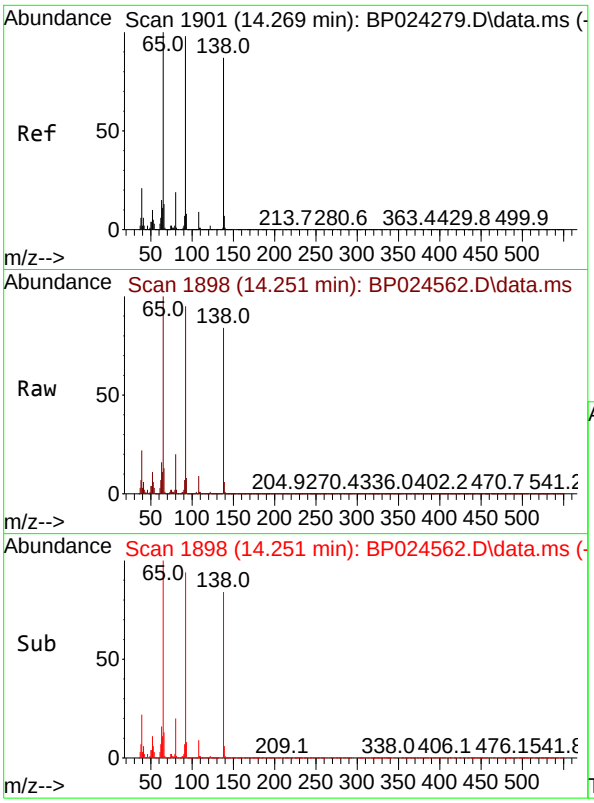


#52
Acenaphthene
Concen: 43.803 ng
RT: 14.398 min Scan# 1923
Delta R.T. -0.024 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:154 Resp: 945952

Ion	Ratio	Lower	Upper
154	100		
153	113.0	89.8	134.6
152	53.5	42.6	63.8



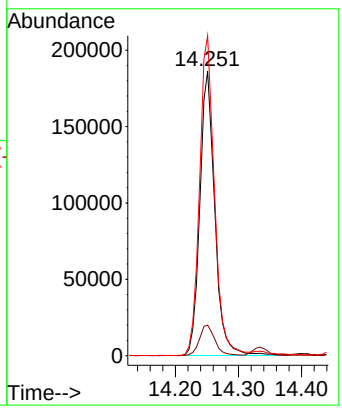


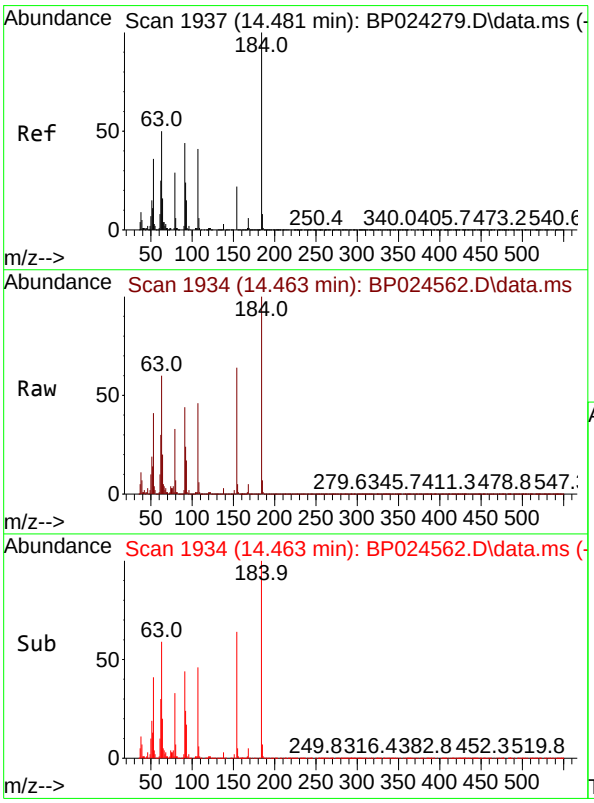
#53
3-Nitroaniline
Concen: 48.003 ng
RT: 14.251 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:138 Resp: 306831

Ion	Ratio	Lower	Upper
138	100		
108	10.7	8.3	12.5
92	112.5	89.8	134.8

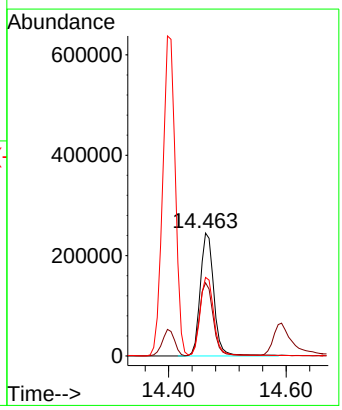


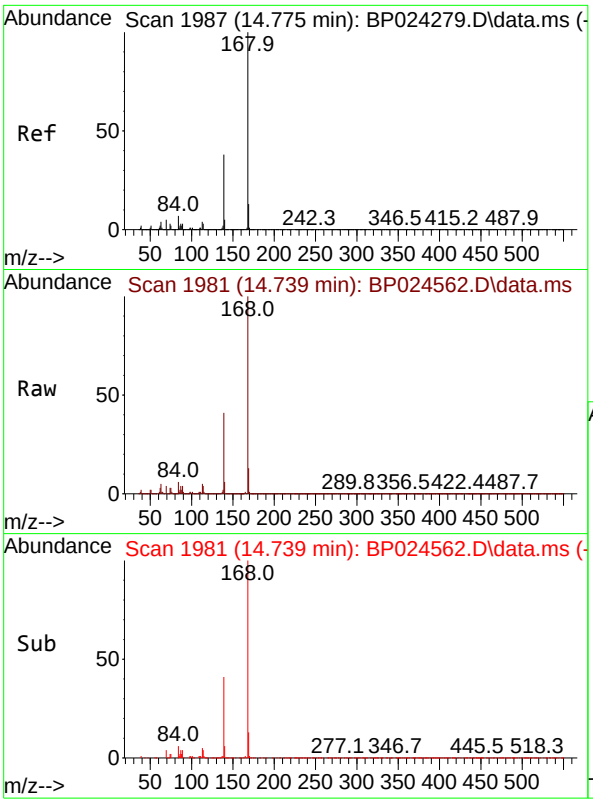


#54
2,4-Dinitrophenol
Concen: 110.325 ng
RT: 14.463 min Scan# 1934
Delta R.T. -0.006 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:184 Resp: 395229

Ion	Ratio	Lower	Upper
184	100		
63	59.5	42.6	64.0
154	63.9	47.2	70.8



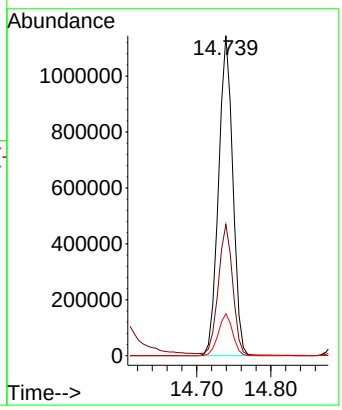


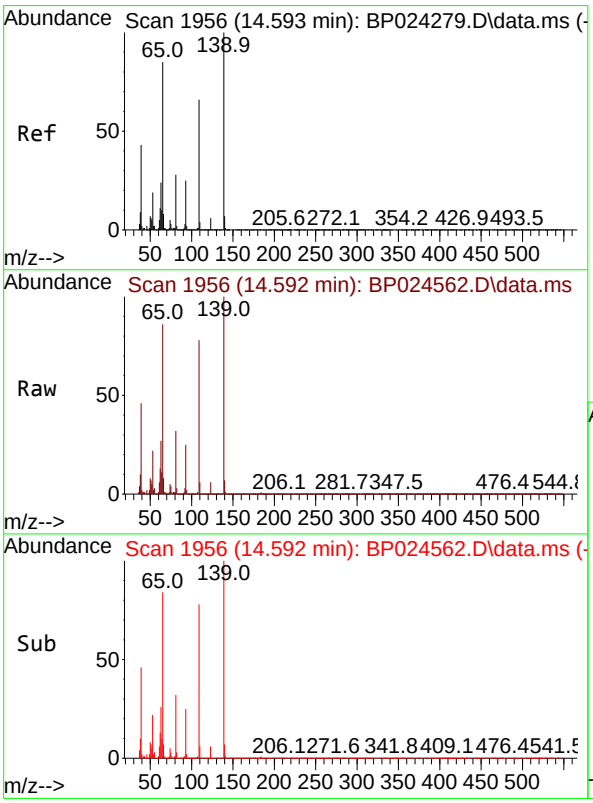
#55
Dibenzofuran
Concen: 43.267 ng
RT: 14.739 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:168 Resp: 1527310

Ion	Ratio	Lower	Upper
168	100		
139	41.0	30.3	45.5
169	13.1	10.6	16.0

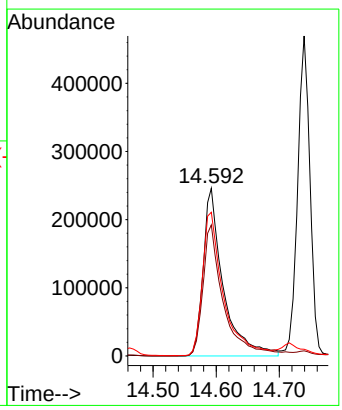


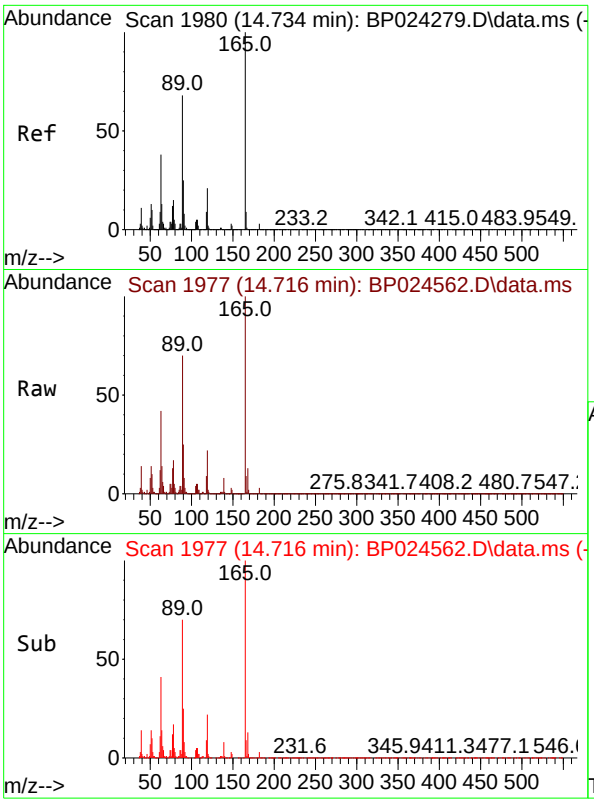


#56
4-Nitrophenol
Concen: 98.241 ng
RT: 14.592 min Scan# 1956
Delta R.T. -0.000 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:139 Resp: 542331

Ion	Ratio	Lower	Upper
139	100		
109	78.2	46.1	86.1
65	85.7	65.0	105.0



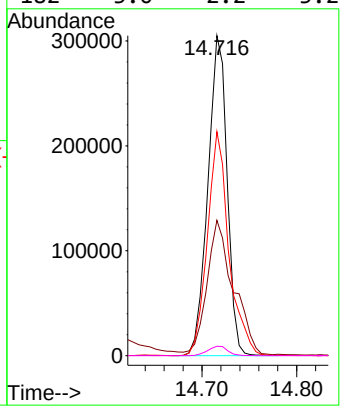


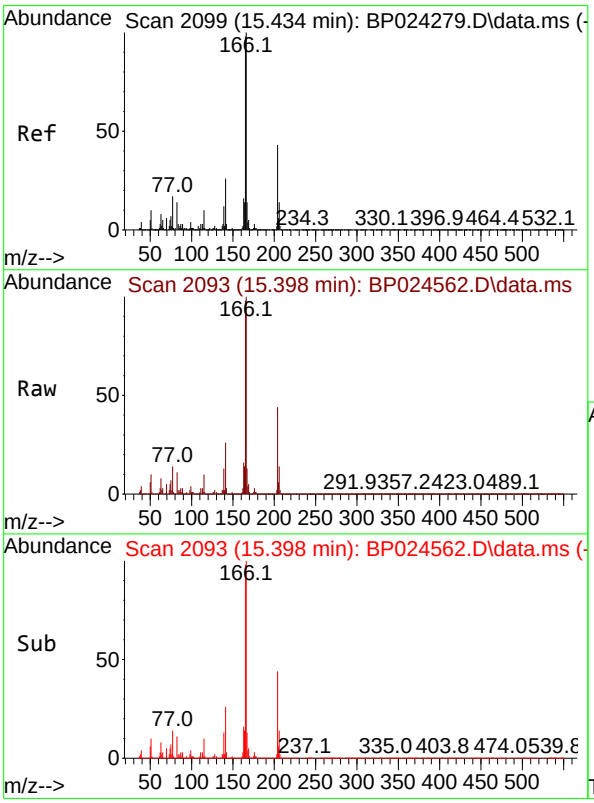
#57
2,4-Dinitrotoluene
Concen: 51.693 ng
RT: 14.716 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:165 Resp: 428851

Ion	Ratio	Lower	Upper
165	100		
63	42.3	30.4	45.6
89	70.0	54.6	82.0
182	3.0	2.2	3.2

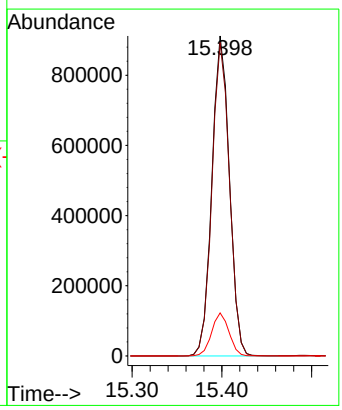


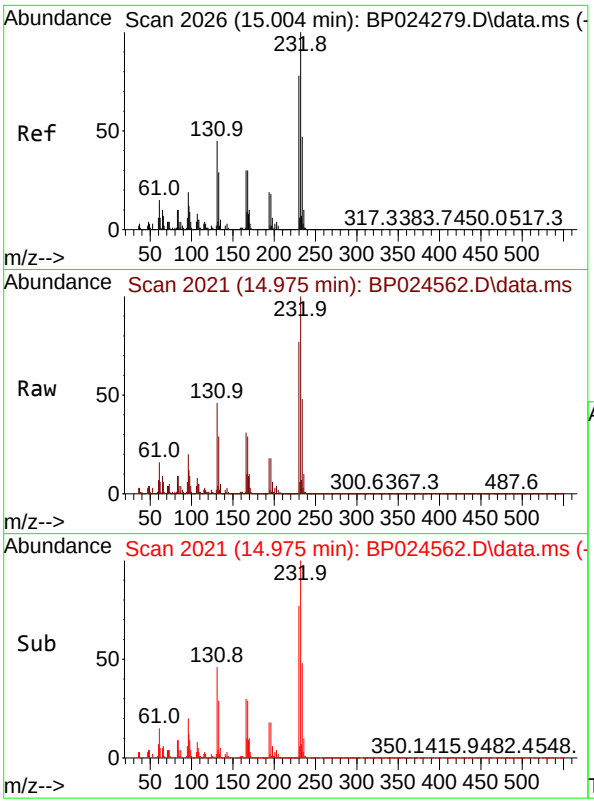


#58
Fluorene
Concen: 45.242 ng
RT: 15.398 min Scan# 2093
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:166 Resp: 1236303

Ion	Ratio	Lower	Upper
166	100		
165	98.0	78.1	117.1
167	13.5	10.9	16.3



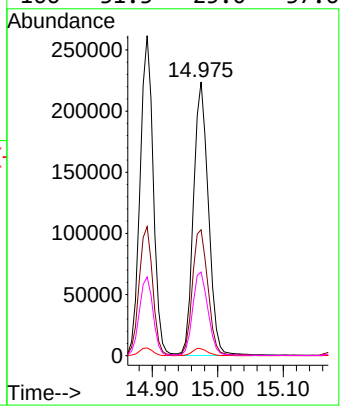


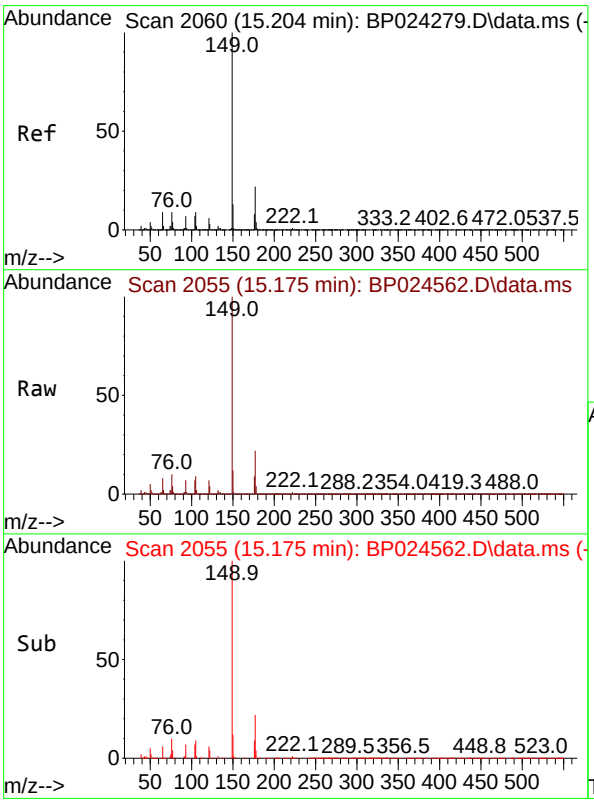
#59
2,3,4,6-Tetrachlorophenol
Concen: 48.064 ng
RT: 14.975 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:232 Resp: 353479

Ion	Ratio	Lower	Upper
232	100		
131	47.2	36.8	55.2
130	2.8	1.9	2.9
166	31.3	25.0	37.6

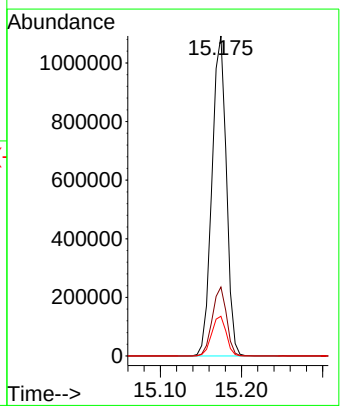


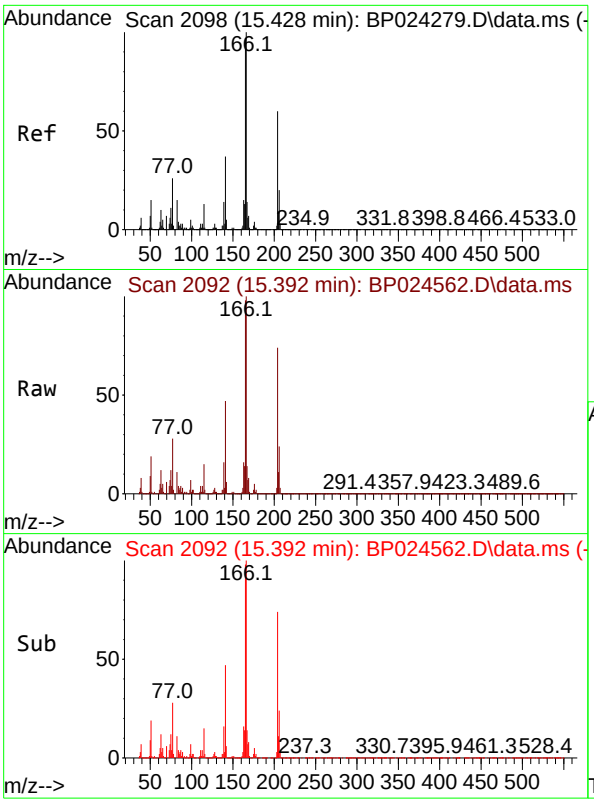


#60
Diethylphthalate
Concen: 45.623 ng
RT: 15.175 min Scan# 2055
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:149 Resp: 1346542

Ion	Ratio	Lower	Upper
149	100		
177	21.5	17.4	26.2
150	12.4	10.1	15.1



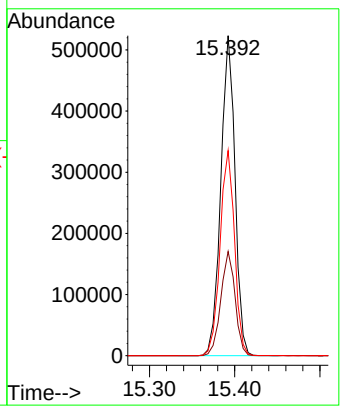


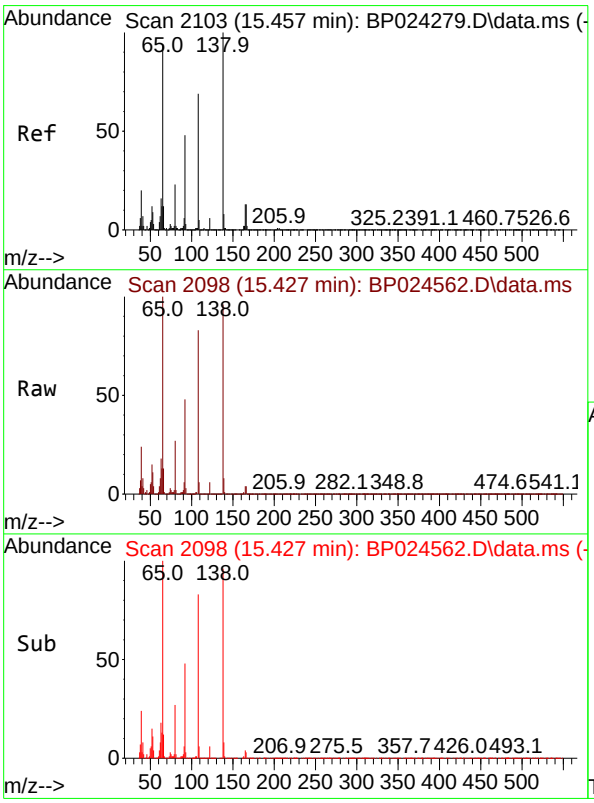
#61
4-Chlorophenyl-phenylether
Concen: 45.574 ng
RT: 15.392 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:204 Resp: 604756

Ion	Ratio	Lower	Upper
204	100		
206	32.5	26.5	39.7
141	64.1	49.4	74.0

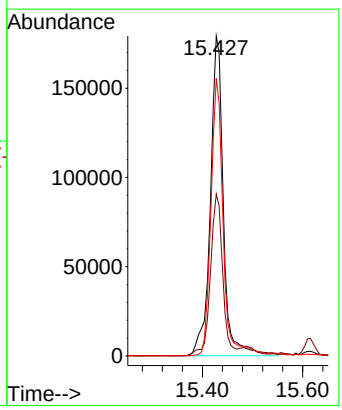


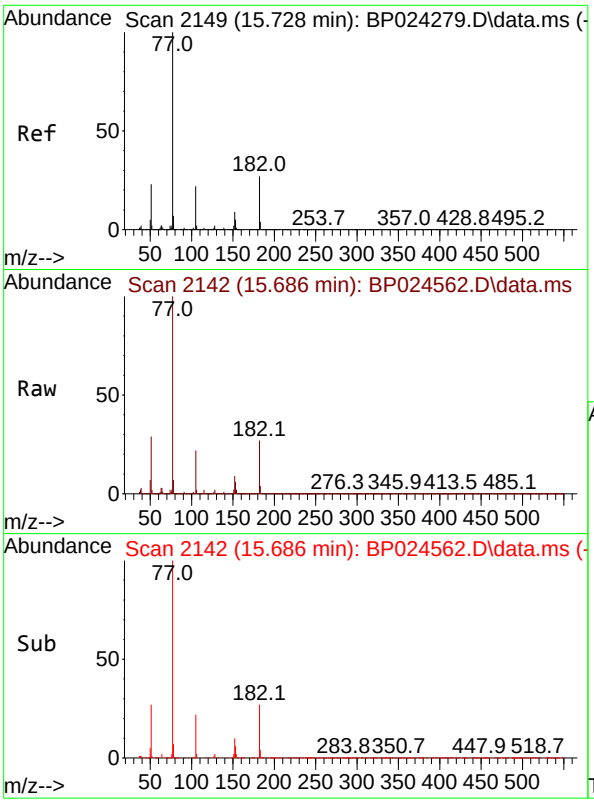


#62
4-Nitroaniline
Concen: 47.888 ng
RT: 15.427 min Scan# 2098
Delta R.T. -0.012 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:138 Resp: 324042

Ion	Ratio	Lower	Upper
138	100		
92	50.6	27.8	67.8
108	86.7	48.9	88.9



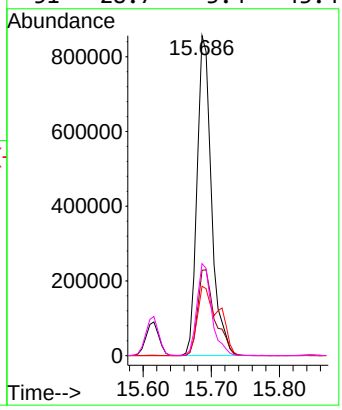


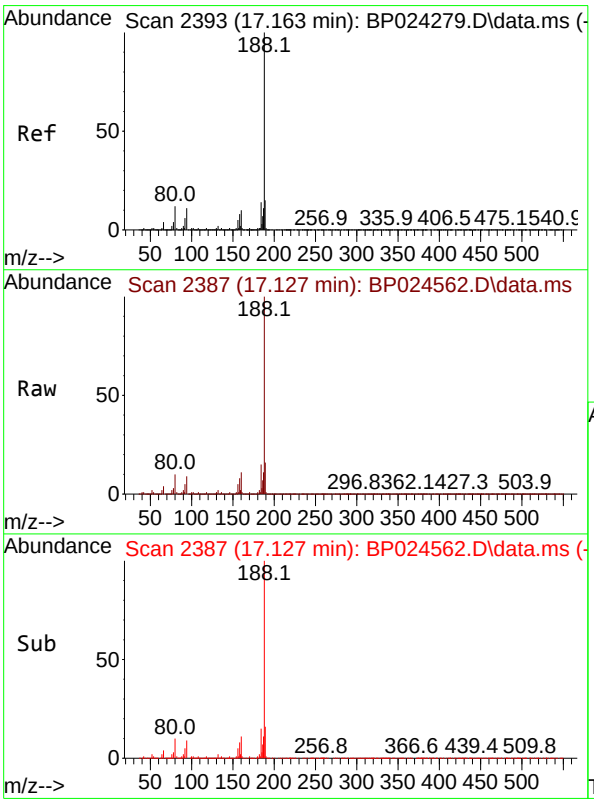
#63
Azobenzene
Concen: 46.347 ng
RT: 15.686 min Scan# 21
Delta R.T. -0.024 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion: 77 Resp: 1257263

Ion	Ratio	Lower	Upper
77	100		
182	26.7	7.3	47.3
105	21.7	2.3	42.3
51	28.7	3.4	43.4

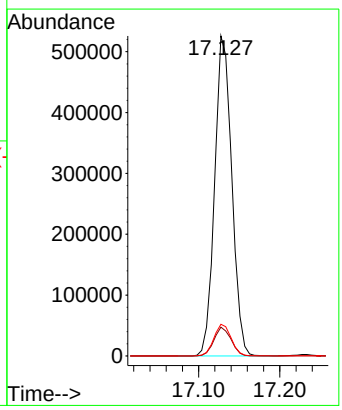


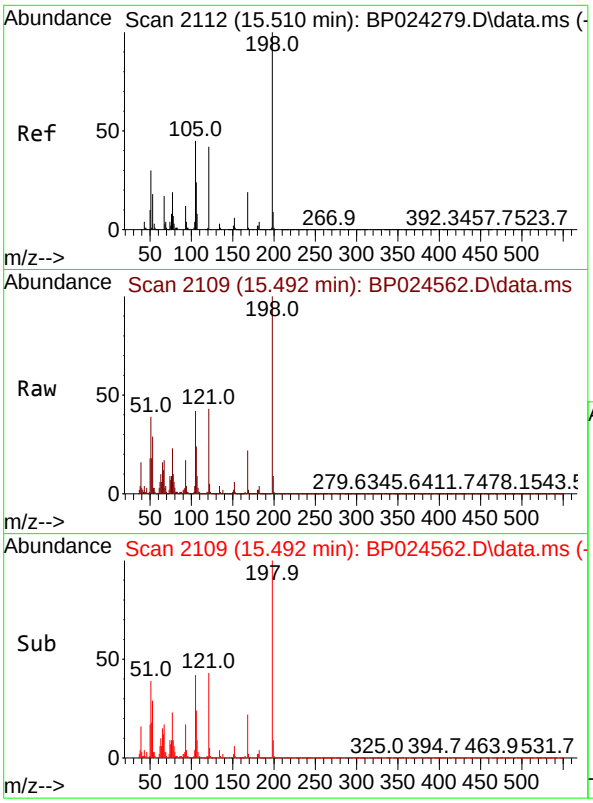


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.127 min Scan# 2387
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:188 Resp: 771993

Ion	Ratio	Lower	Upper
188	100		
94	9.0	8.6	13.0
80	9.9	9.8	14.6



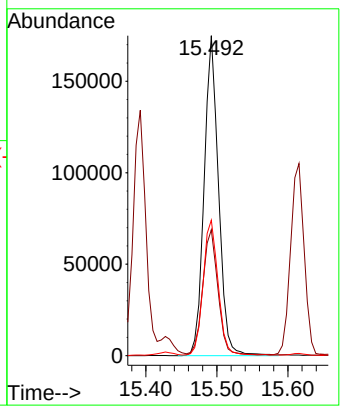


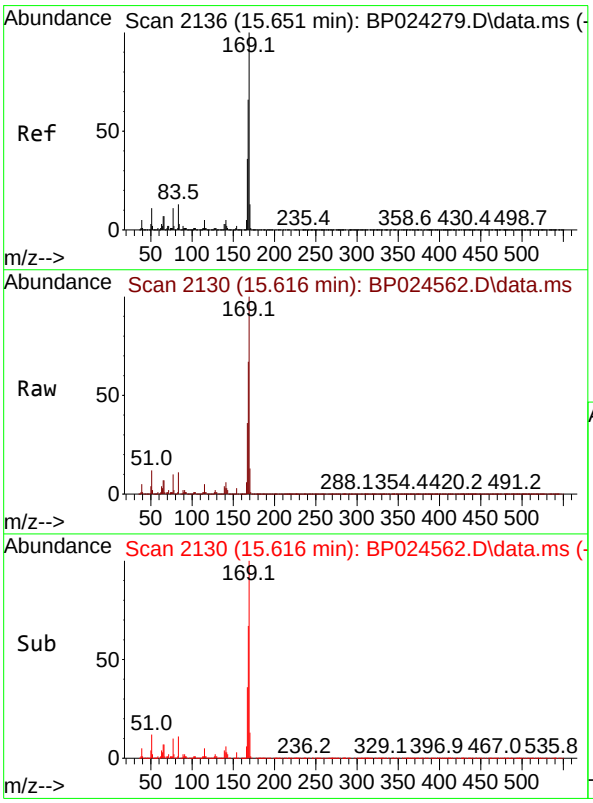
#65
4,6-Dinitro-2-methylphenol
Concen: 50.869 ng
RT: 15.492 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:198 Resp: 247587

Ion	Ratio	Lower	Upper
198	100		
51	39.4	18.4	58.4
105	42.4	26.5	66.5

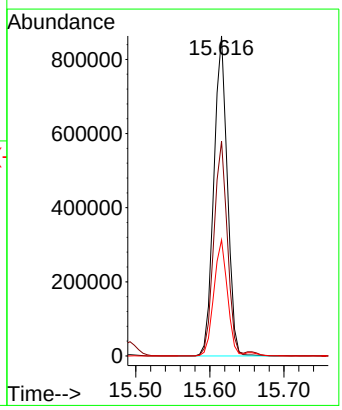


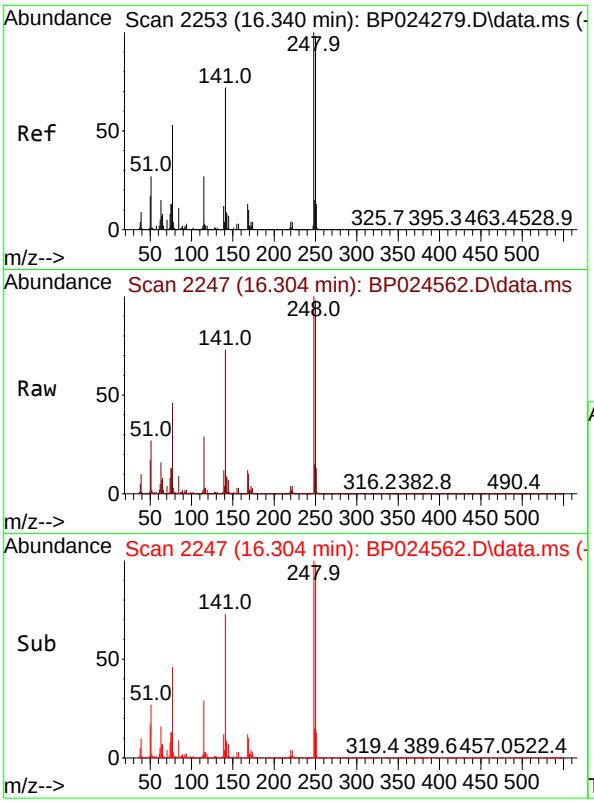


#66
n-Nitrosodiphenylamine
Concen: 47.382 ng
RT: 15.616 min Scan# 2130
Delta R.T. -0.012 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:169 Resp: 1091788

Ion	Ratio	Lower	Upper
169	100		
168	67.1	53.0	79.4
167	36.3	28.9	43.3



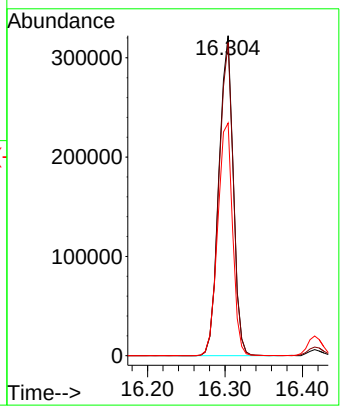


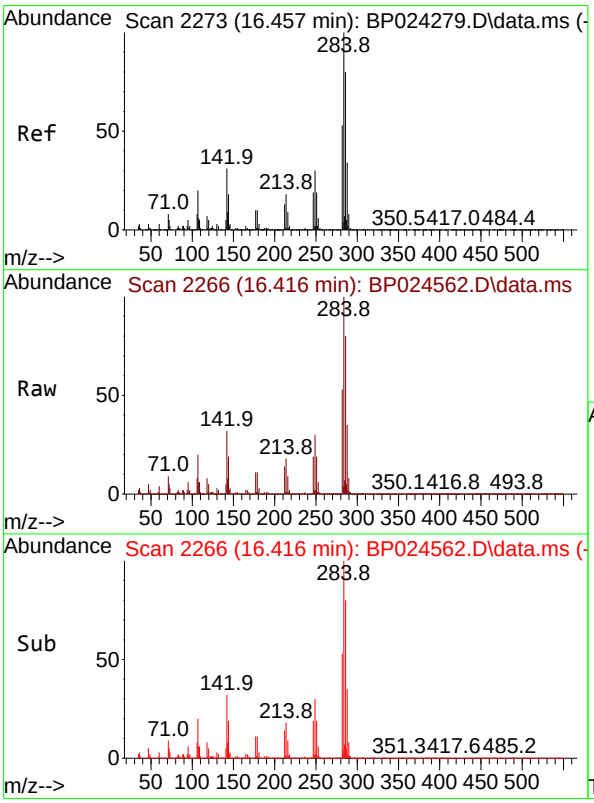
#67
4-Bromophenyl-phenylether
Concen: 49.050 ng
RT: 16.304 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:248 Resp: 414138

Ion	Ratio	Lower	Upper
248	100		
250	97.9	78.2	117.4
141	72.7	57.7	86.5

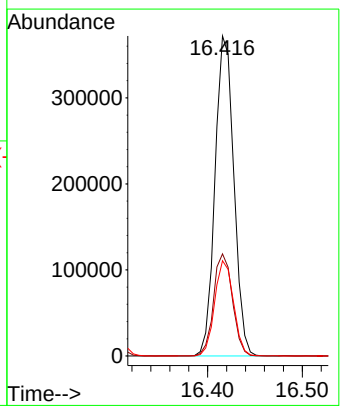


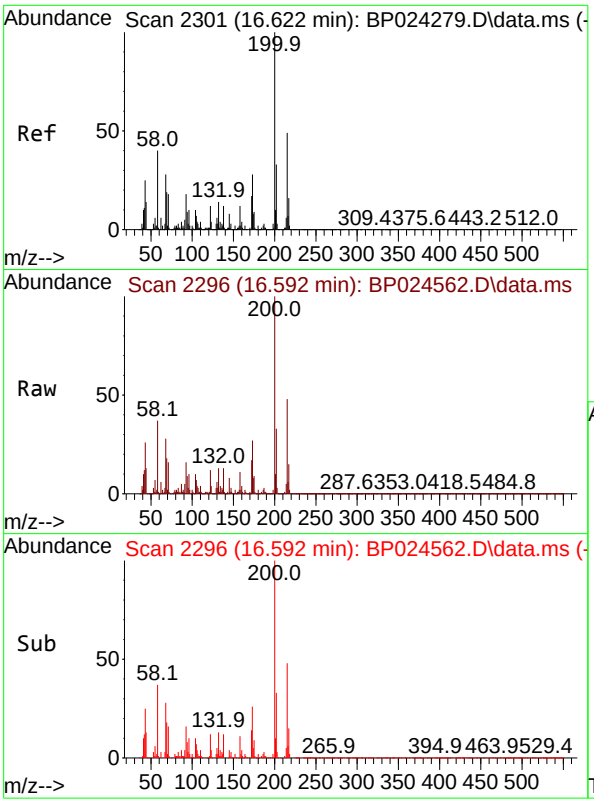


#68
Hexachlorobenzene
Concen: 51.247 ng
RT: 16.416 min Scan# 2266
Delta R.T. -0.024 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:284 Resp: 514146

Ion	Ratio	Lower	Upper
284	100		
142	31.9	24.6	37.0
249	29.7	23.8	35.6



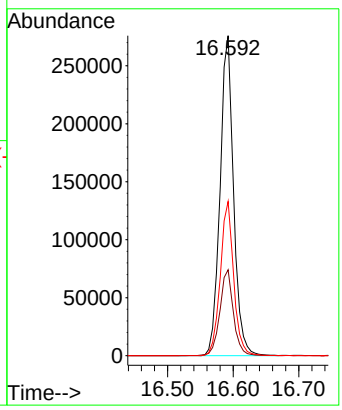


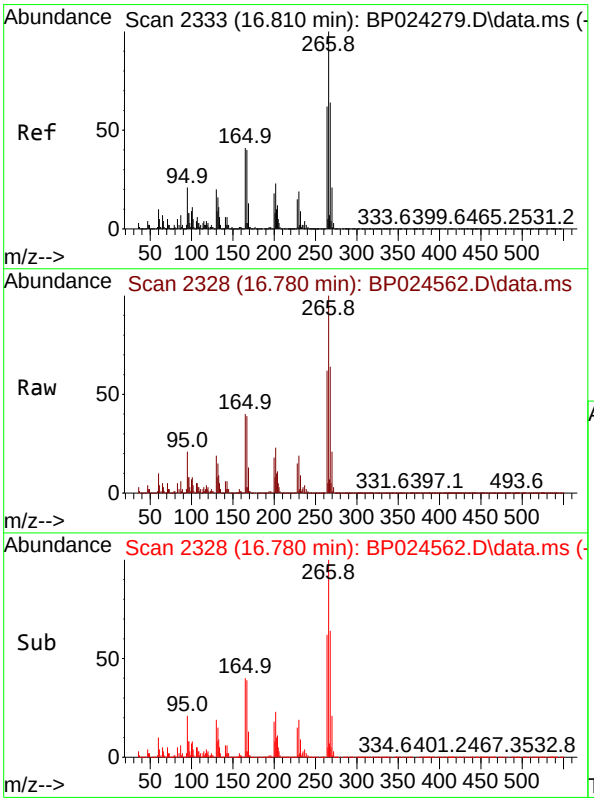
#69
Atrazine
Concen: 66.876 ng
RT: 16.592 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:200 Resp: 392473

Ion	Ratio	Lower	Upper
200	100		
173	26.9	7.5	47.5
215	48.2	28.8	68.8

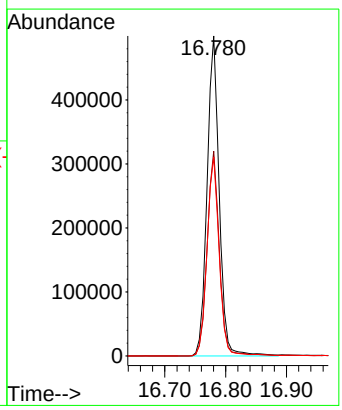


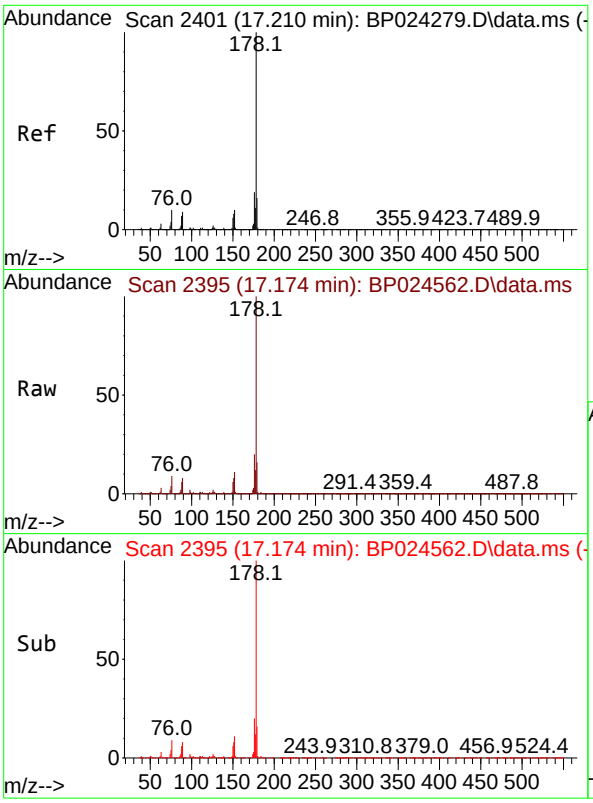


#70
Pentachlorophenol
Concen: 98.845 ng
RT: 16.780 min Scan# 2328
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:266 Resp: 691833

Ion	Ratio	Lower	Upper
266	100		
268	64.0	51.0	76.6
264	62.2	49.8	74.6



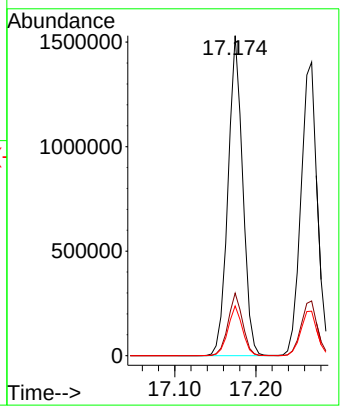


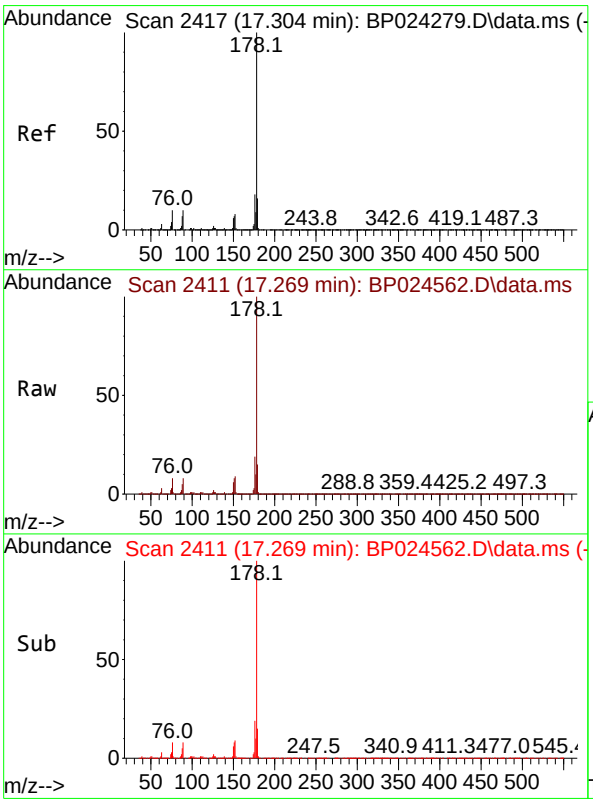
#71
Phenanthrene
Concen: 45.631 ng
RT: 17.174 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:178 Resp: 1921721

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.0
179	15.5	12.5	18.7

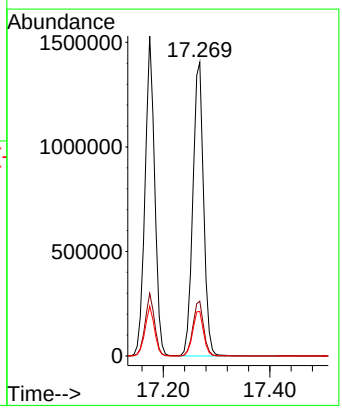


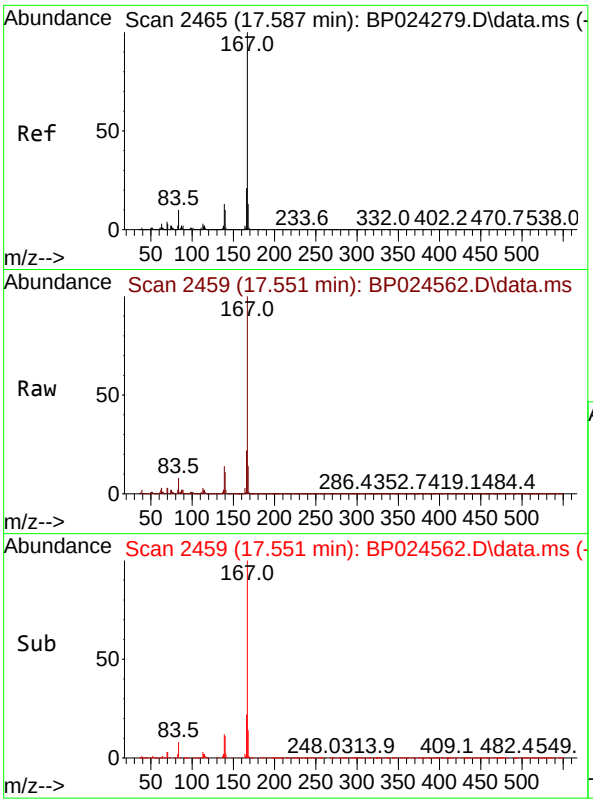


#72
Anthracene
Concen: 48.511 ng
RT: 17.269 min Scan# 2411
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:178 Resp: 1969025

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.7	22.1
179	15.2	12.4	18.6



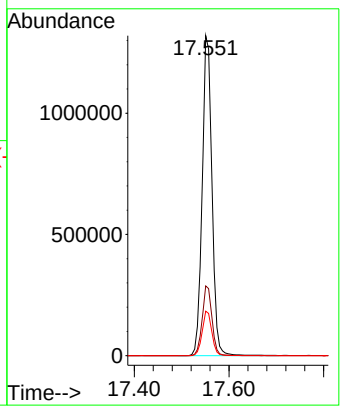


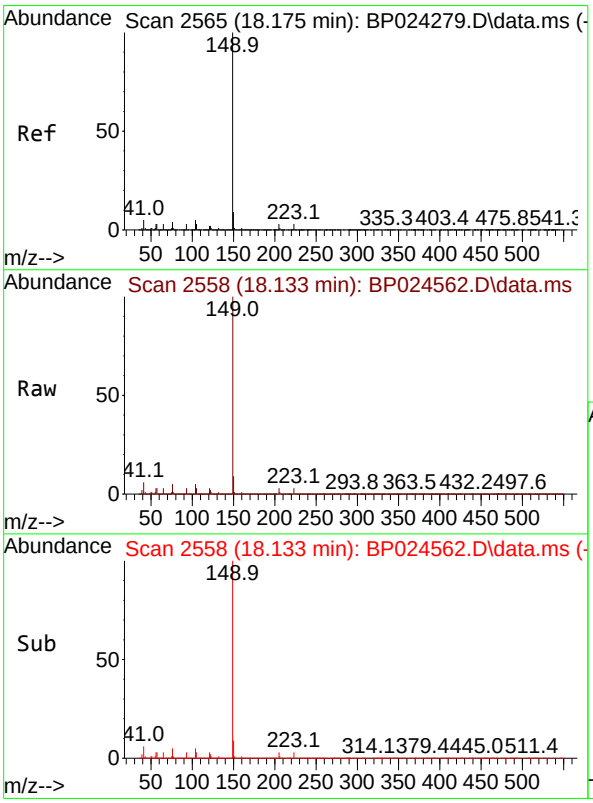
#73
Carbazole
Concen: 47.475 ng
RT: 17.551 min Scan# 24
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:167 Resp: 1882845

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.1	25.7
139	13.9	10.6	16.0

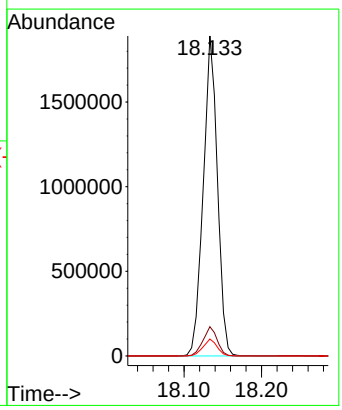


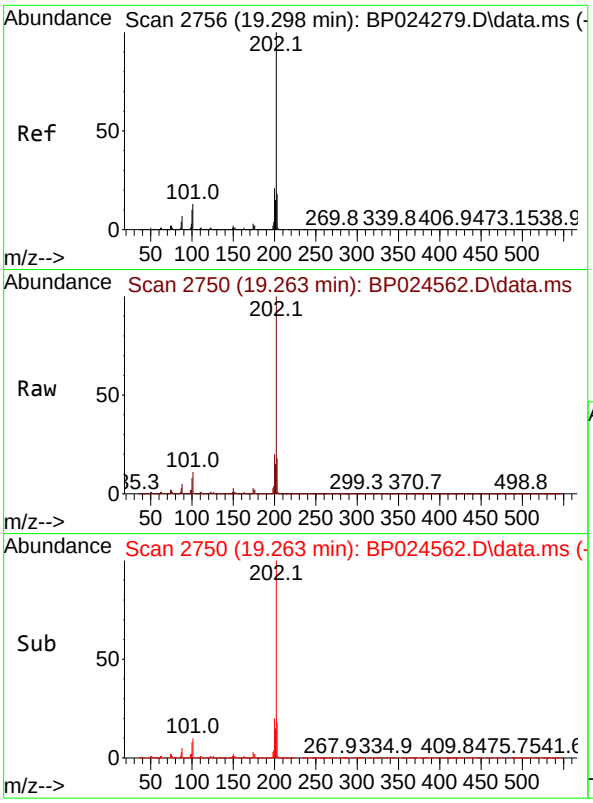


#74
Di-n-butylphthalate
Concen: 48.518 ng
RT: 18.133 min Scan# 2558
Delta R.T. -0.024 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:149 Resp: 2397286

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.2
104	5.3	3.9	5.9



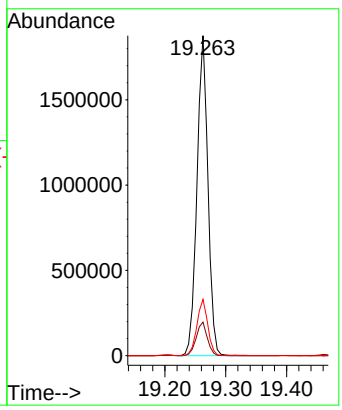


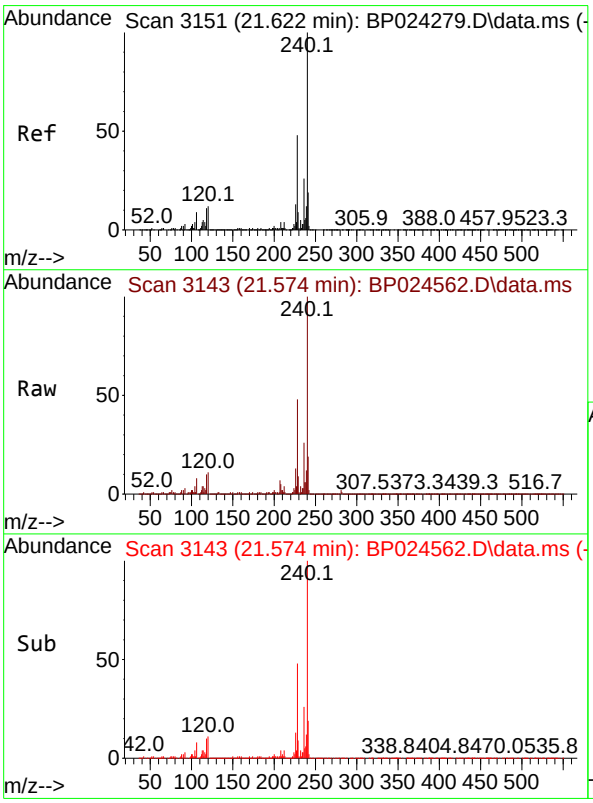
#75
Fluoranthene
Concen: 46.706 ng
RT: 19.263 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:202 Resp: 2339401

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	33.2
203	17.6	0.0	37.7

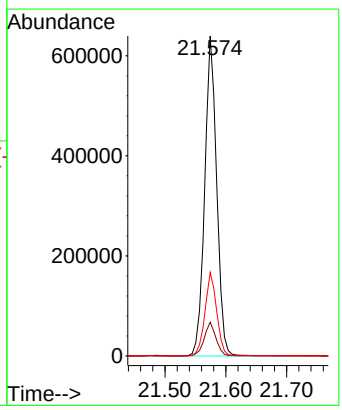


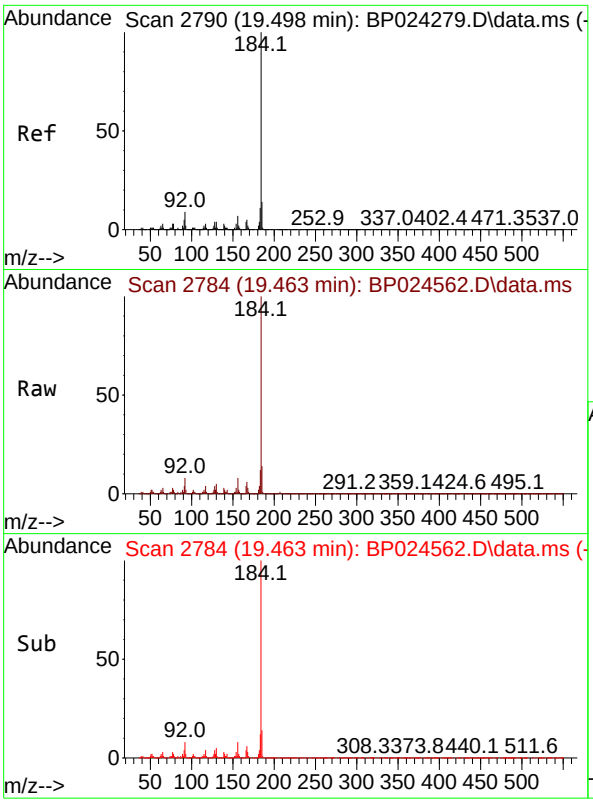


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.574 min Scan# 3143
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:240 Resp: 874555

Ion	Ratio	Lower	Upper
240	100		
120	10.5	9.8	14.8
236	26.1	20.9	31.3



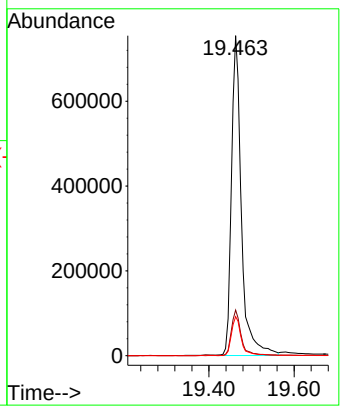


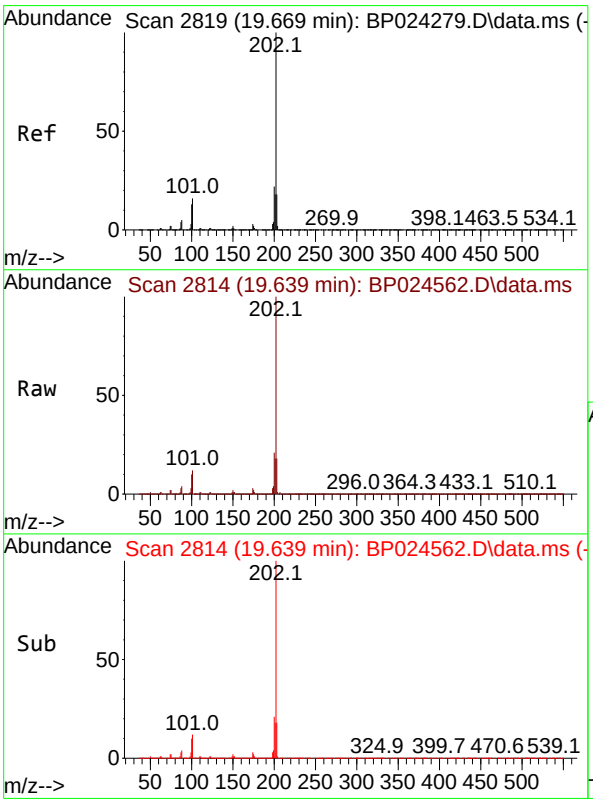
#77
Benzidine
Concen: 110.073 ng
RT: 19.463 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:184 Resp: 1220239

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.6	17.4
183	12.2	9.2	13.8

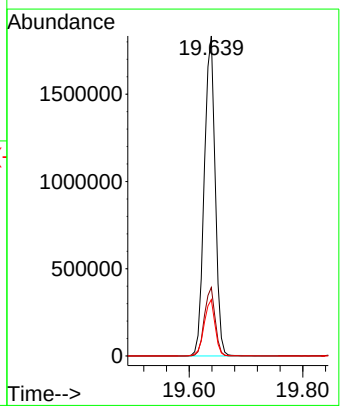


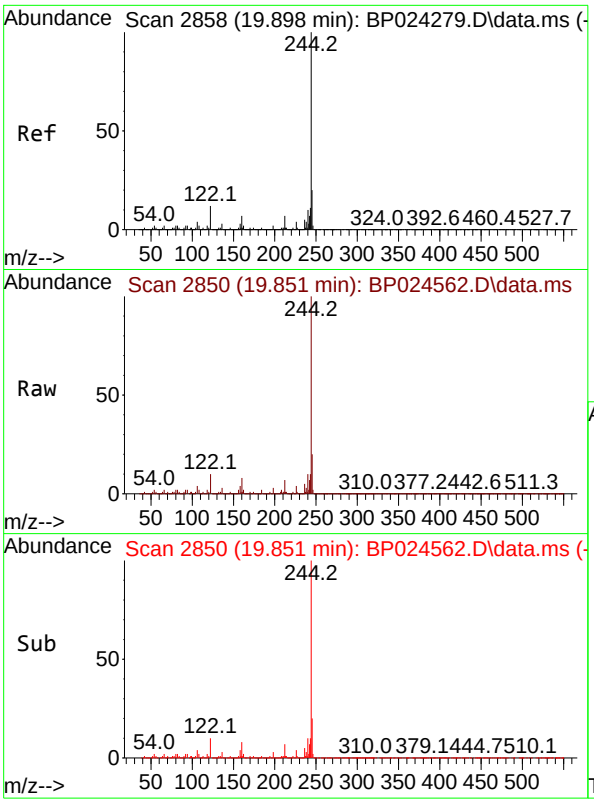


#78
Pyrene
Concen: 43.742 ng
RT: 19.639 min Scan# 2814
Delta R.T. -0.012 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:202 Resp: 2431140

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.2	25.8
203	17.6	14.4	21.6



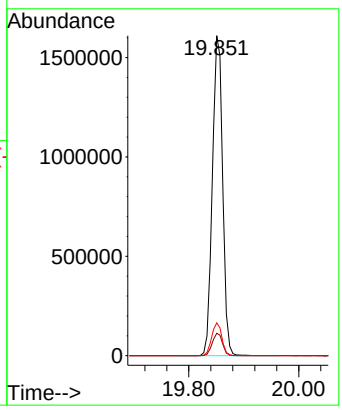


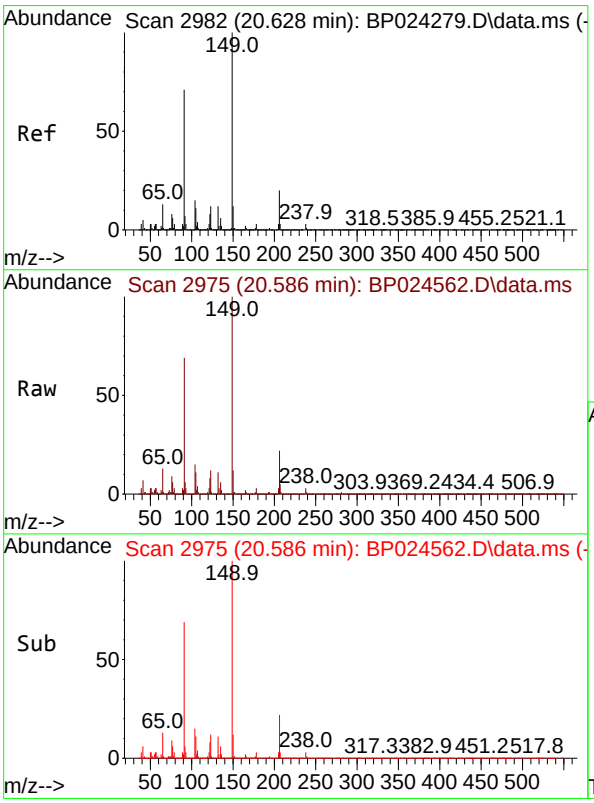
#79
Terphenyl-d14
Concen: 48.124 ng
RT: 19.851 min Scan# 2
Delta R.T. -0.024 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:244 Resp: 2088015

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	10.3	9.4	14.0

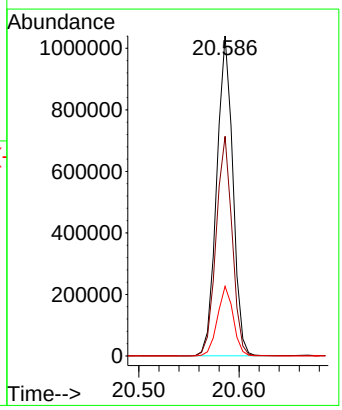


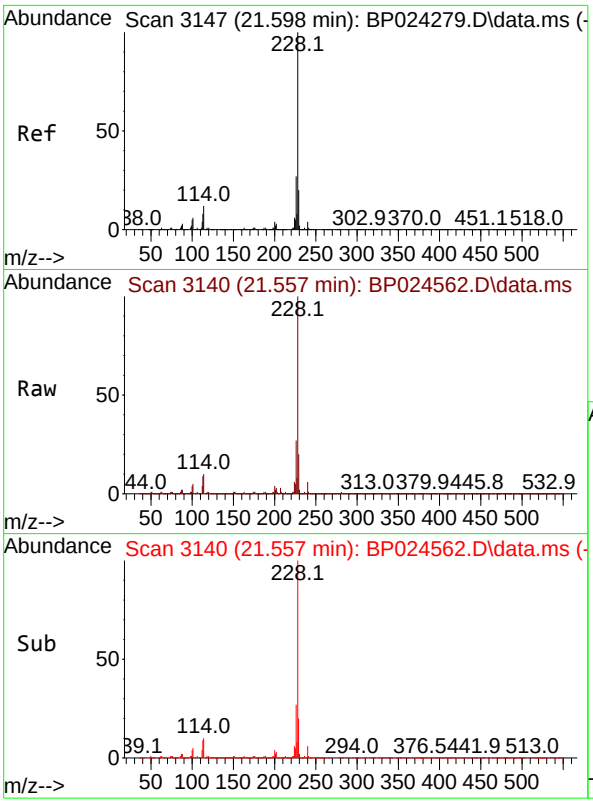


#80
Butylbenzylphthalate
Concen: 48.757 ng
RT: 20.586 min Scan# 2975
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:149 Resp: 1160705

Ion	Ratio	Lower	Upper
149	100		
91	68.7	56.4	84.6
206	21.8	16.3	24.5



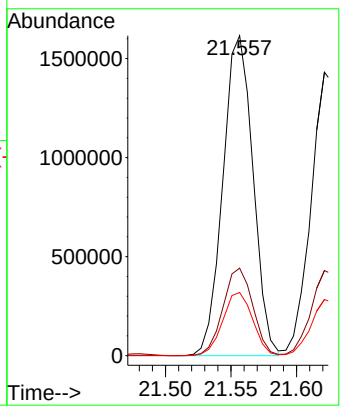


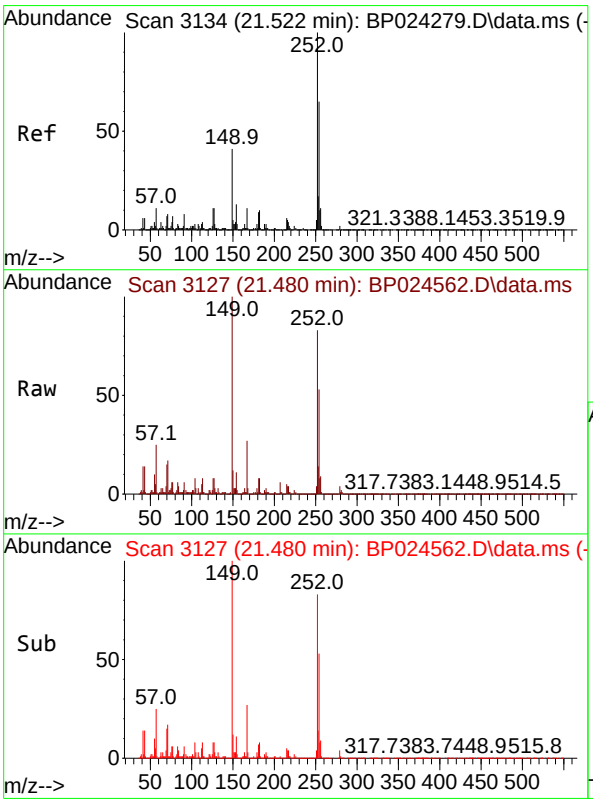
#81
Benzo(a)anthracene
Concen: 47.511 ng
RT: 21.557 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:228 Resp: 2582660

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.8	32.8
229	19.8	15.9	23.9

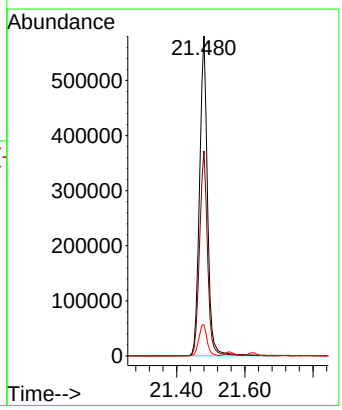


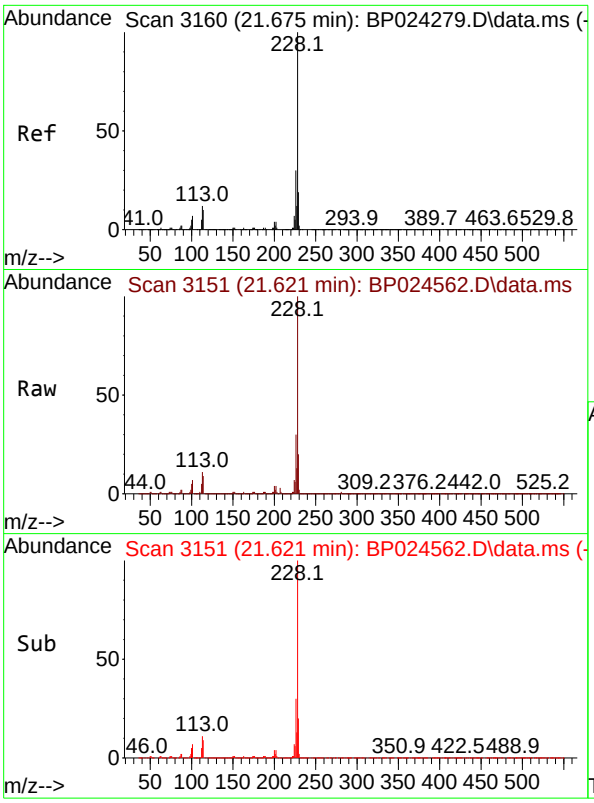


#82
3,3'-Dichlorobenzidine
Concen: 49.202 ng
RT: 21.480 min Scan# 3127
Delta R.T. -0.012 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:252 Resp: 938740

Ion	Ratio	Lower	Upper
252	100		
254	64.1	51.7	77.5
126	9.7	8.8	13.2



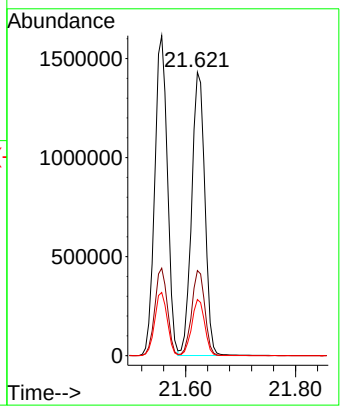


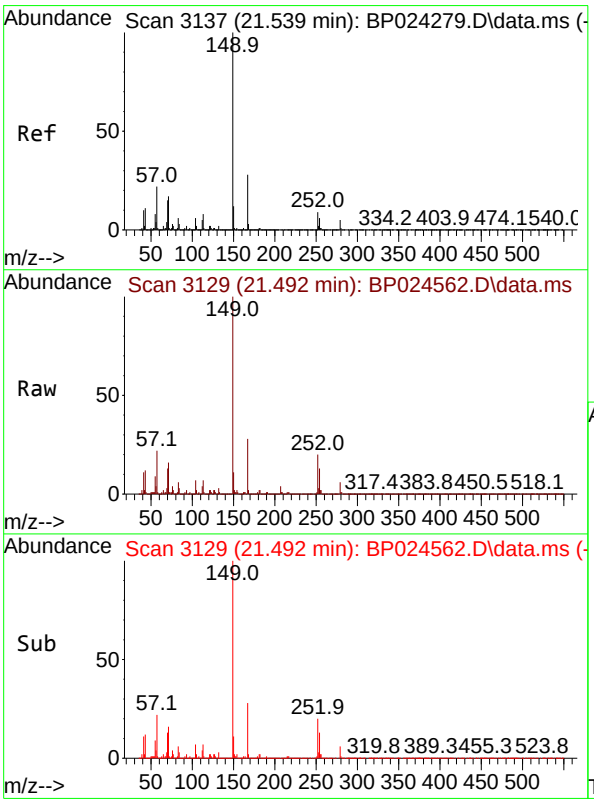
#83
Chrysene
Concen: 45.769 ng
RT: 21.621 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:228 Resp: 2383597

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.2	36.2
229	19.8	15.6	23.4

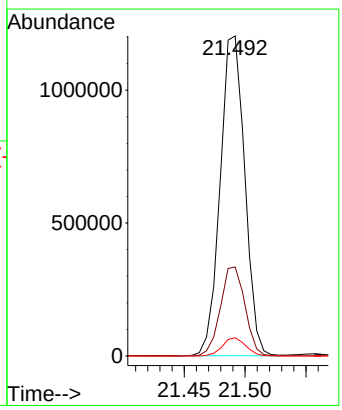


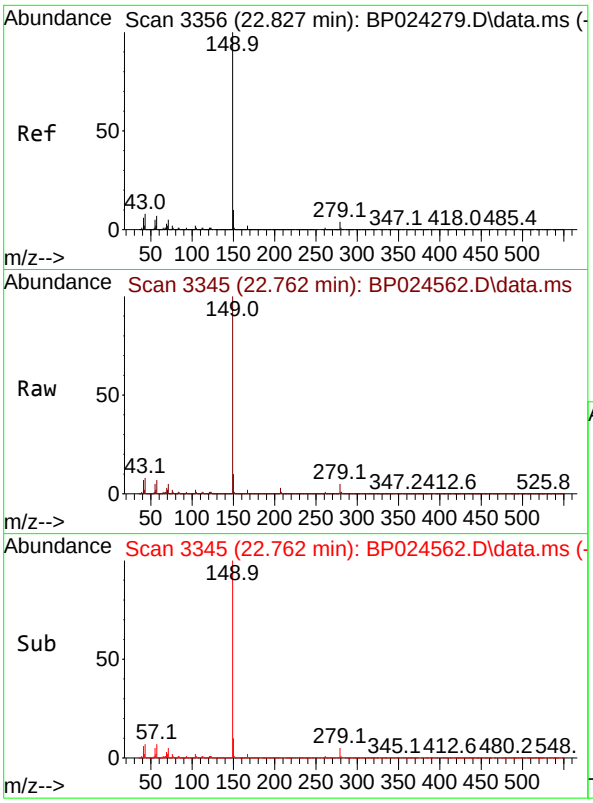


#84
Bis(2-ethylhexyl)phthalate
Concen: 48.397 ng
RT: 21.492 min Scan# 3129
Delta R.T. -0.018 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:149 Resp: 1688963

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.4	33.6
279	5.7	4.0	6.0



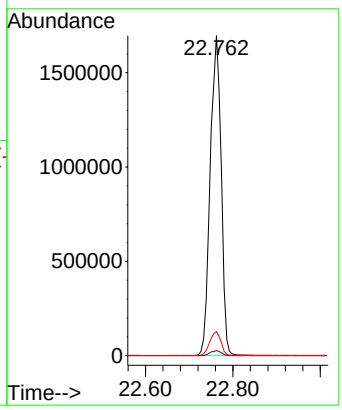


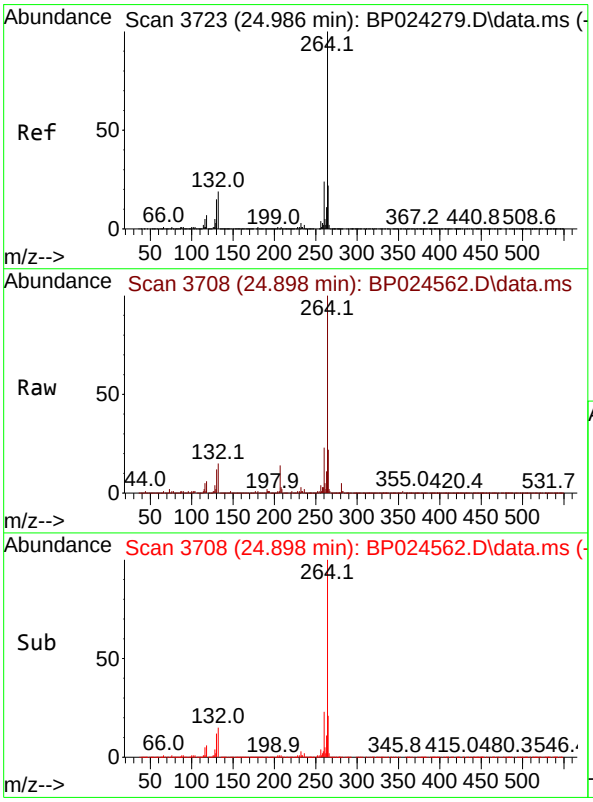
#85
Di-n-octyl phthalate
Concen: 52.091 ng
RT: 22.762 min Scan# 3
Delta R.T. -0.024 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:149 Resp: 2955365

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.6	6.0	9.0

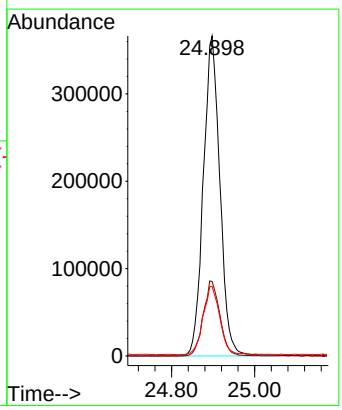


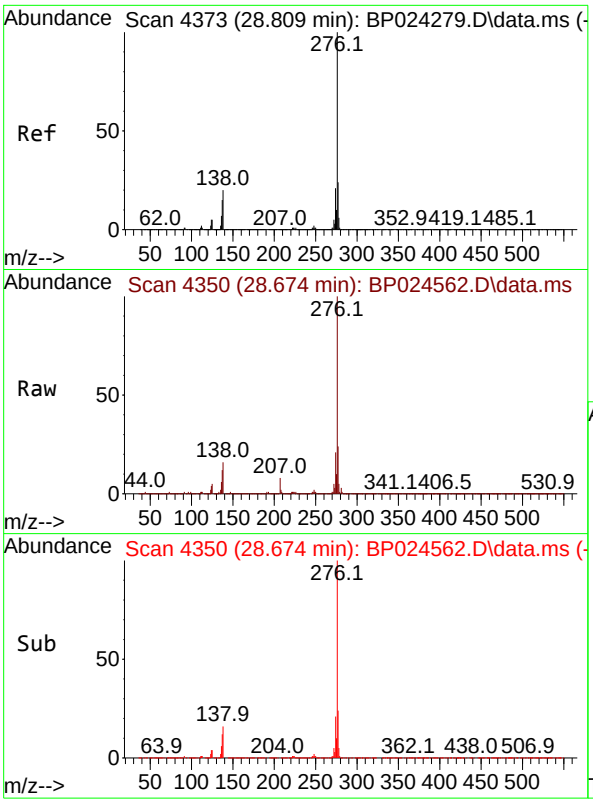


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.898 min Scan# 3708
Delta R.T. -0.035 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:264 Resp: 1014332

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.9	28.3
265	21.7	17.8	26.6



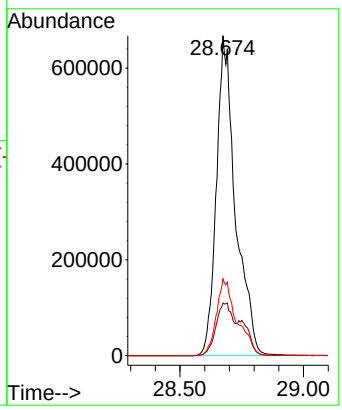


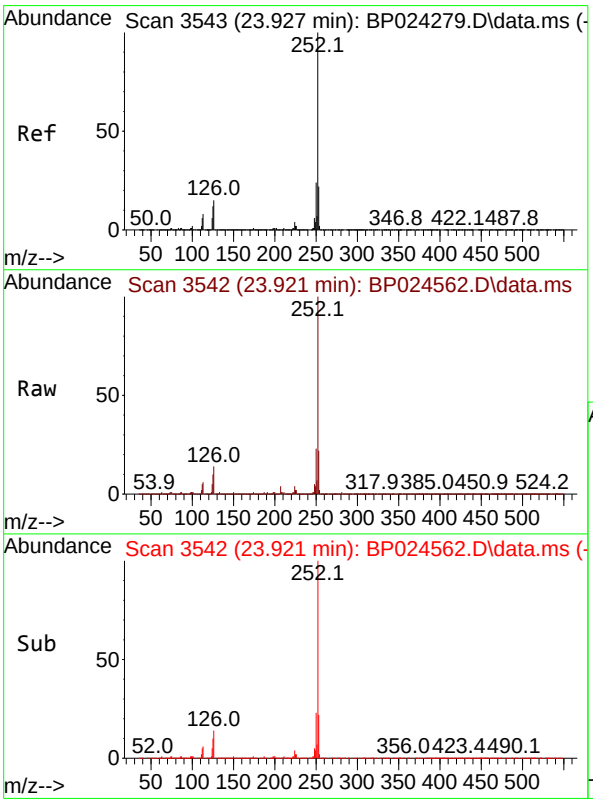
#87
Indeno(1,2,3-cd)pyrene
Concen: 51.012 ng
RT: 28.674 min Scan# 4
Delta R.T. -0.065 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:276 Resp: 3592229

Ion	Ratio	Lower	Upper
276	100		
138	14.7	14.5	21.7
277	25.5	20.2	30.2

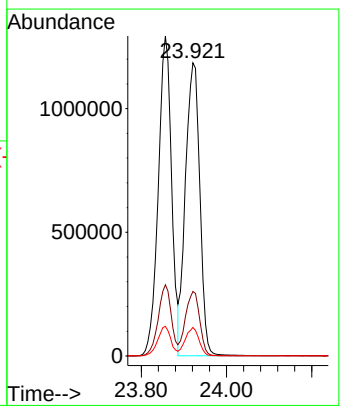


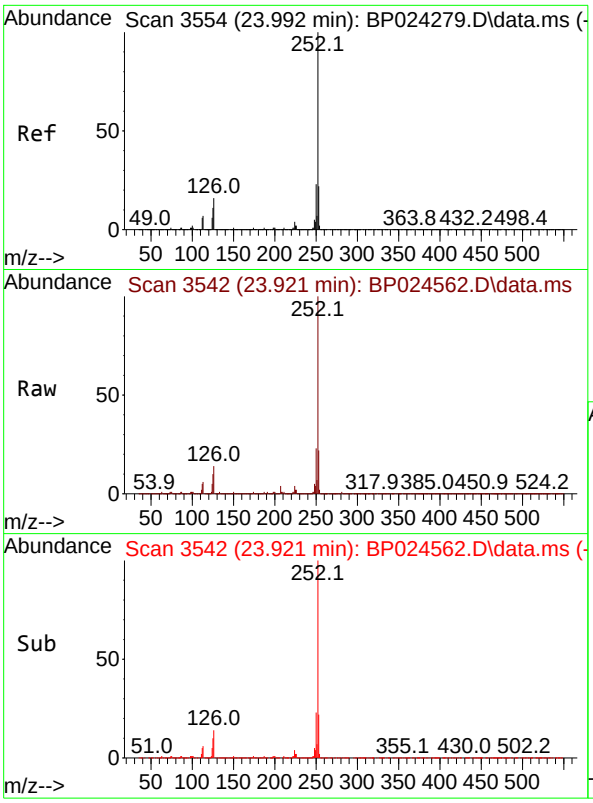


#88
Benzo(b)fluoranthene
Concen: 45.556 ng
RT: 23.921 min Scan# 3542
Delta R.T. 0.035 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:252 Resp: 2769797

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	9.7	9.4	14.0



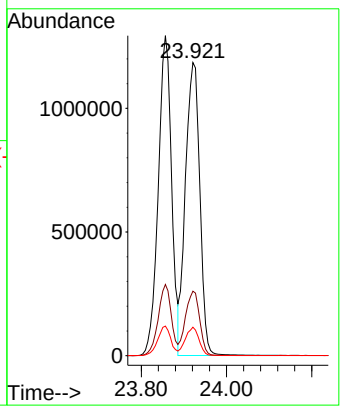


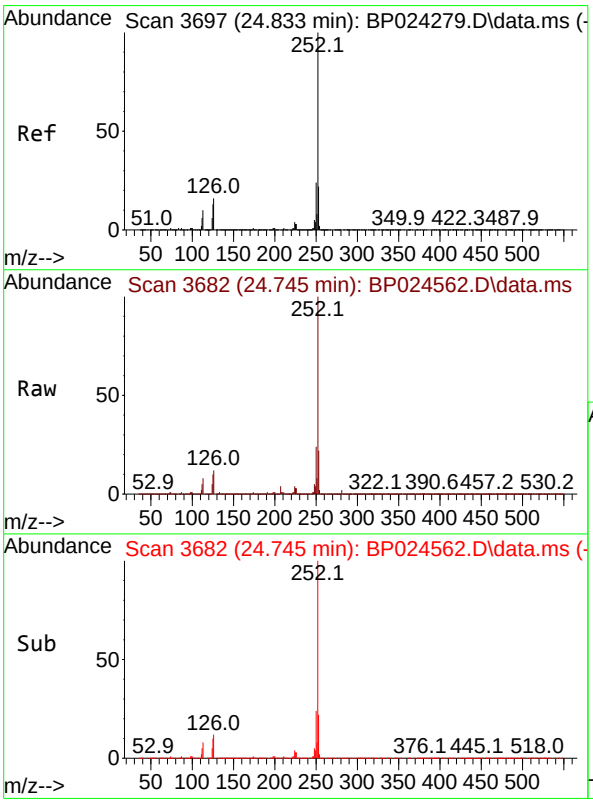
#89
Benzo(k)fluoranthene
Concen: 47.162 ng
RT: 23.921 min Scan# 3
Delta R.T. -0.035 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:252 Resp: 2769797

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	9.7	9.1	13.7

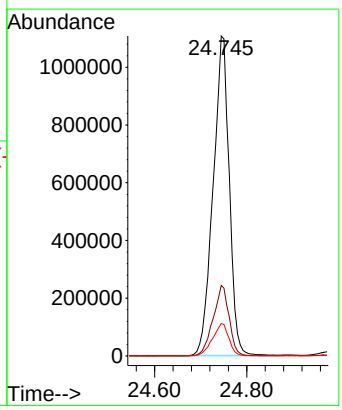


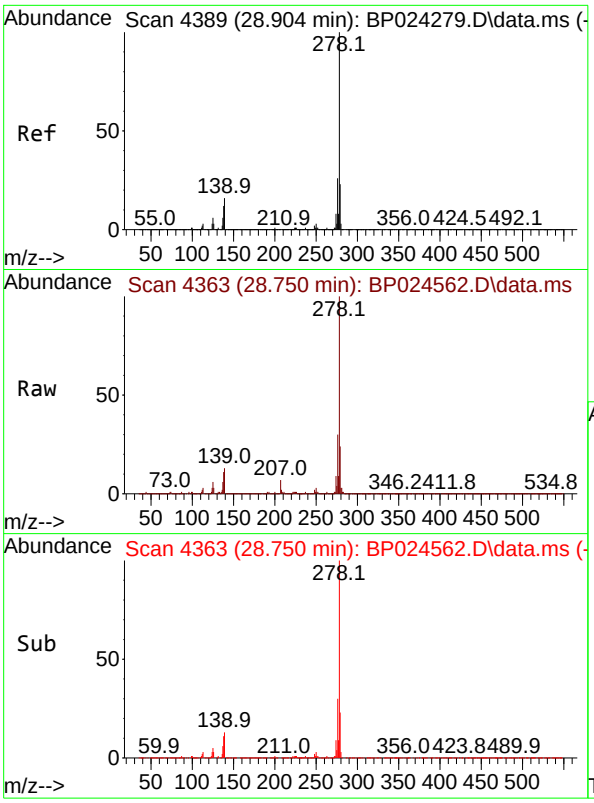


#90
Benzo(a)pyrene
Concen: 51.419 ng
RT: 24.745 min Scan# 3682
Delta R.T. -0.035 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:252 Resp: 2696702

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	10.1	10.1	15.1



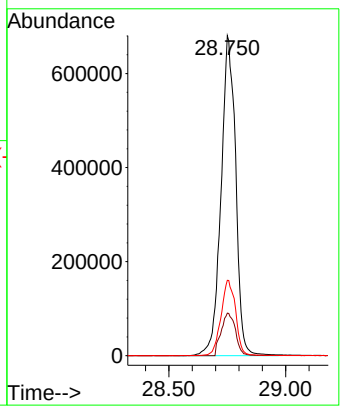


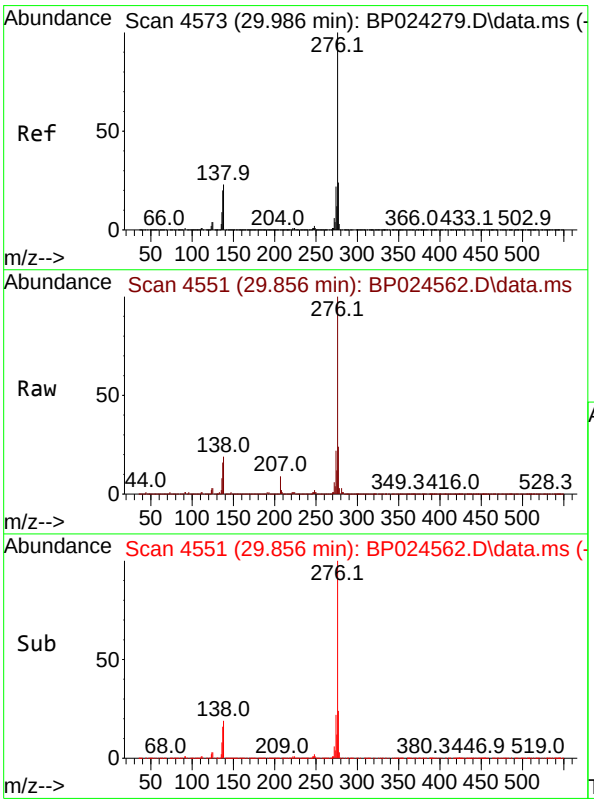
#91
Dibenzo(a,h)anthracene
Concen: 50.732 ng
RT: 28.750 min Scan# 4
Delta R.T. -0.053 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Instrument :
BNA_P
ClientSampleId :
MH-QMSD

Tgt Ion:278 Resp: 2965315

Ion	Ratio	Lower	Upper
278	100		
139	13.3	12.6	19.0
279	23.5	18.5	27.7

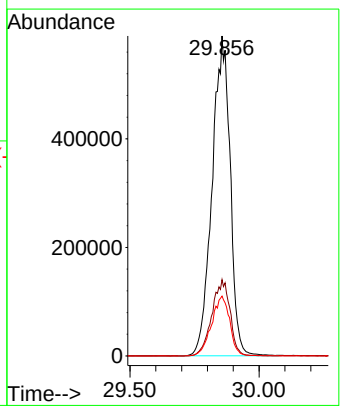




#92
Benzo(g,h,i)perylene
Concen: 48.158 ng
RT: 29.856 min Scan# 4551
Delta R.T. -0.041 min
Lab File: BP024562.D
Acq: 07 May 2025 13:37

Tgt Ion:276 Resp: 2865086

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.9	28.3
138	18.7	18.7	28.1#



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050725\
Data File : BP024566.D
Acq On : 07 May 2025 16:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Quant Time: May 07 17:03:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.699	152	138257	20.000	ng		-0.02
21) Naphthalene-d8	10.475	136	544120	20.000	ng		#-0.02
39) Acenaphthene-d10	14.334	164	348461	20.000	ng		-0.02
64) Phenanthrene-d10	17.133	188	701754	20.000	ng		-0.01
76) Chrysene-d12	21.580	240	862550	20.000	ng		-0.01
86) Perylene-d12	24.898	264	1057764	20.000	ng		-0.04
System Monitoring Compounds							
5) 2-Fluorophenol	5.328	112	655537	78.398	ng		-0.02
7) Phenol-d6	6.893	99	828029	72.320	ng		-0.02
23) Nitrobenzene-d5	8.846	82	753165	78.928	ng		-0.02
42) 2,4,6-Tribromophenol	15.857	330	449260	93.185	ng		0.00
45) 2-Fluorobiphenyl	12.945	172	1755016	77.114	ng		-0.02
79) Terphenyl-d14	19.863	244	3278159	76.605	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.275	88	131758	37.253	ng	#	94
3) Pyridine	3.675	79	319398	34.200	ng		92
4) n-Nitrosodimethylamine	3.581	42	136407	44.009	ng	#	76
6) Aniline	7.046	93	330711	32.324	ng		99
8) 2-Chlorophenol	7.281	128	354417	37.963	ng		99
9) Benzaldehyde	6.858	77	231108	40.806	ng		98
10) Phenol	6.916	94	408458	35.563	ng		90
11) bis(2-Chloroethyl)ether	7.134	93	317387	34.297	ng		97
12) 1,3-Dichlorobenzene	7.593	146	379429	37.752	ng		99
13) 1,4-Dichlorobenzene	7.734	146	387776	38.026	ng		99
14) 1,2-Dichlorobenzene	8.052	146	370165	37.592	ng		99
15) Benzyl Alcohol	7.946	79	280488	37.881	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.228	45	344227	34.414	ng		100
17) 2-Methylphenol	8.152	107	276882	37.265	ng		97
18) Hexachloroethane	8.769	117	143498	38.938	ng		97
19) n-Nitroso-di-n-propyla...	8.499	70	243323	34.351	ng		94
20) 3+4-Methylphenols	8.475	107	376144	36.485	ng		97
22) Acetophenone	8.516	105	523542	38.875	ng	#	97
24) Nitrobenzene	8.893	77	364383	38.600	ng		99
25) Isophorone	9.410	82	640750	37.097	ng		99
26) 2-Nitrophenol	9.599	139	196933	42.630	ng		95
27) 2,4-Dimethylphenol	9.663	122	224905	38.773	ng		98
28) bis(2-Chloroethoxy)met...	9.887	93	411462	35.264	ng		99
29) 2,4-Dichlorophenol	10.146	162	321106	40.600	ng		98
30) 1,2,4-Trichlorobenzene	10.340	180	340718	40.208	ng		99
31) Naphthalene	10.522	128	1085946	37.888	ng		99
32) Benzoic acid	9.822	122	246884	36.527	ng		98
33) 4-Chloroaniline	10.646	127	372271	36.882	ng		99
34) Hexachlorobutadiene	10.804	225	214306	43.037	ng		98
35) Caprolactam	11.428	113	116993	40.090	ng		93
36) 4-Chloro-3-methylphenol	11.781	107	369984	40.163	ng		99
37) 2-Methylnaphthalene	12.134	142	761169	38.292	ng		97
38) 1-Methylnaphthalene	12.357	142	735198	37.807	ng		99
40) 1,2,4,5-Tetrachloroben...	12.510	216	384784	40.154	ng		100
41) Hexachlorocyclopentadiene	12.487	237	134639	39.726	ng		98
43) 2,4,6-Trichlorophenol	12.757	196	258270	40.538	ng		96

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050725\
Data File : BP024566.D
Acq On : 07 May 2025 16:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Quant Time: May 07 17:03:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.840	196	286518	40.611	ng		98
46) 1,1'-Biphenyl	13.157	154	984863	38.451	ng		98
47) 2-Chloronaphthalene	13.198	162	733529	38.318	ng		97
48) 2-Nitroaniline	13.410	65	226645	42.207	ng		95
49) Acenaphthylene	14.051	152	1156160	38.360	ng		99
50) Dimethylphthalate	13.792	163	1002391	39.556	ng		100
51) 2,6-Dinitrotoluene	13.916	165	221436	41.151	ng		90
52) Acenaphthene	14.398	154	725415	37.965	ng		99
53) 3-Nitroaniline	14.251	138	231947	41.012	ng		98
54) 2,4-Dinitrophenol	14.469	184	132764	41.885	ng		92
55) Dibenzofuran	14.739	168	1195227	38.268	ng		97
56) 4-Nitrophenol	14.610	139	181927	37.246	ng		87
57) 2,4-Dinitrotoluene	14.710	165	319761	43.562	ng		97
58) Fluorene	15.398	166	931853	38.541	ng		100
59) 2,3,4,6-Tetrachlorophenol	14.975	232	265848	40.855	ng		98
60) Diethylphthalate	15.175	149	1043496	39.959	ng		100
61) 4-Chlorophenyl-phenyle...	15.392	204	461433	39.301	ng		96
62) 4-Nitroaniline	15.439	138	228089	38.097	ng		86
63) Azobenzene	15.698	77	891201	37.130	ng		95
65) 4,6-Dinitro-2-methylph...	15.498	198	182050	41.148	ng		96
66) n-Nitrosodiphenylamine	15.616	169	796456	38.025	ng		99
67) 4-Bromophenyl-phenylether	16.310	248	310972	40.518	ng		99
68) Hexachlorobenzene	16.434	284	384176	42.125	ng		98
69) Atrazine	16.598	200	198839	37.273	ng		99
70) Pentachlorophenol	16.786	266	260722	40.979	ng		99
71) Phenanthrene	17.175	178	1446648	37.789	ng		99
72) Anthracene	17.275	178	1459070	39.545	ng		100
73) Carbazole	17.557	167	1450351	40.230	ng		98
74) Di-n-butylphthalate	18.151	149	1856049	41.324	ng		100
75) Fluoranthene	19.269	202	1843847	40.497	ng		97
77) Benzidine	19.486	184	203326	18.597	ng		99
78) Pyrene	19.651	202	1923076	35.082	ng		99
80) Butylbenzylphthalate	20.598	149	932320	39.709	ng		96
81) Benzo(a)anthracene	21.557	228	2068763	38.587	ng		100
82) 3,3'-Dichlorobenzidine	21.486	252	767952	40.811	ng		99
83) Chrysene	21.633	228	1968699	38.329	ng		99
84) Bis(2-ethylhexyl)phtha...	21.492	149	1389970	40.383	ng		99
85) Di-n-octyl phthalate	22.757	149	2443057	43.660	ng		100
87) Indeno(1,2,3-cd)pyrene	28.674	276	2899918	39.490	ng		97
88) Benzo(b)fluoranthene	23.851	252	2426256	38.267	ng	#	97
89) Benzo(k)fluoranthene	23.921	252	2282969	37.277	ng		98
90) Benzo(a)pyrene	24.751	252	2115084	38.673	ng	#	97
91) Dibenzo(a,h)anthracene	28.762	278	2408286	39.511	ng		97
92) Benzo(g,h,i)perylene	29.850	276	2422819	39.052	ng	#	94

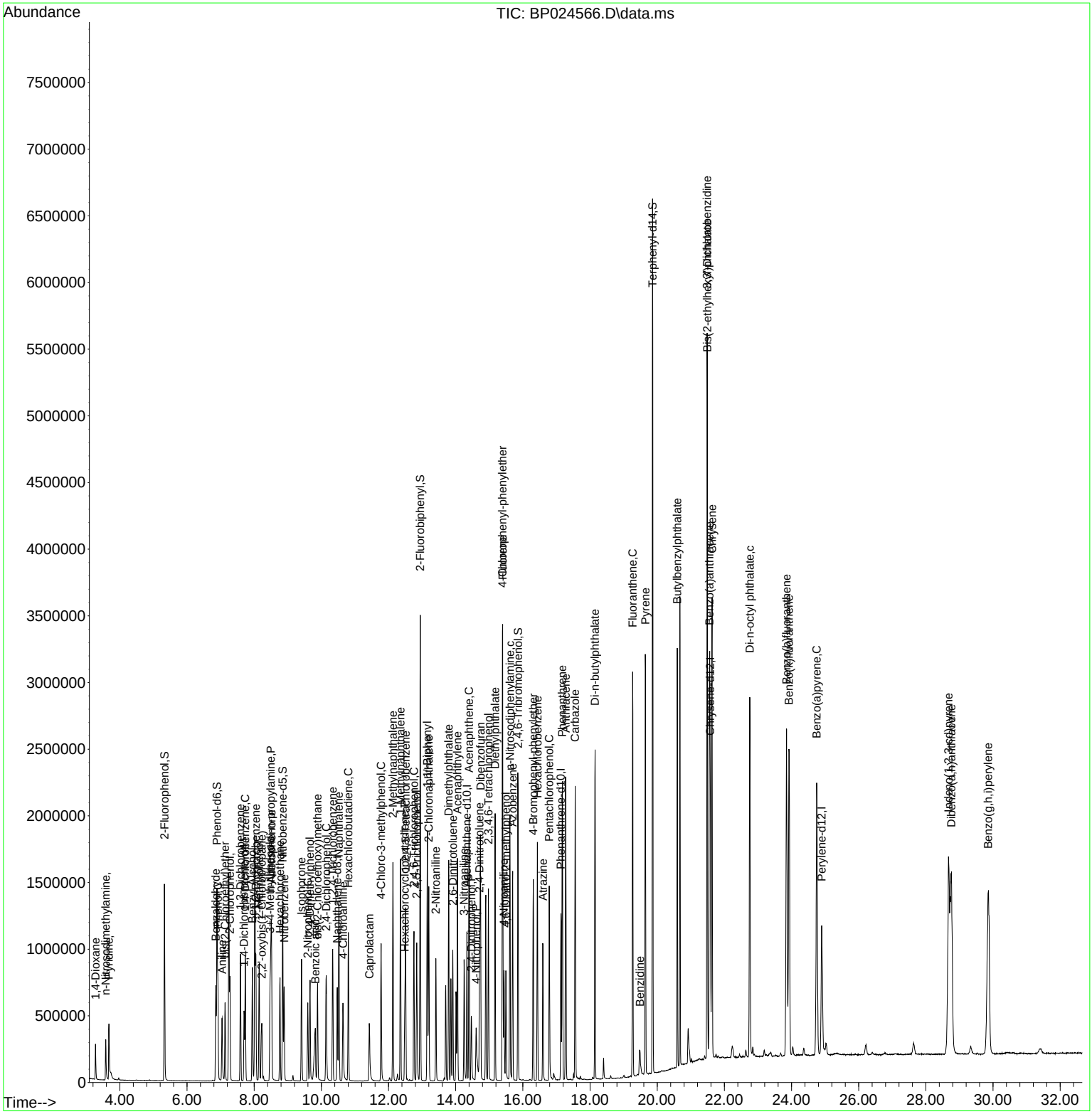
(#) = qualifier out of range (m) = manual integration (+) = signals summed

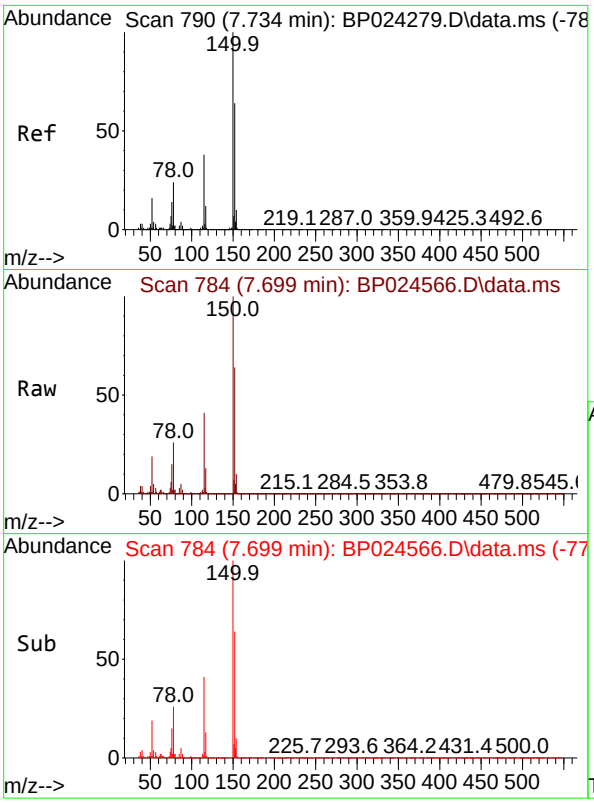
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050725\
Data File : BP024566.D
Acq On : 07 May 2025 16:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Quant Time: May 07 17:03:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration



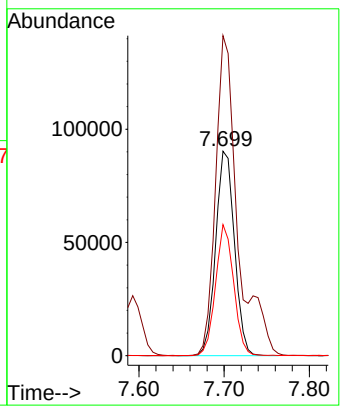


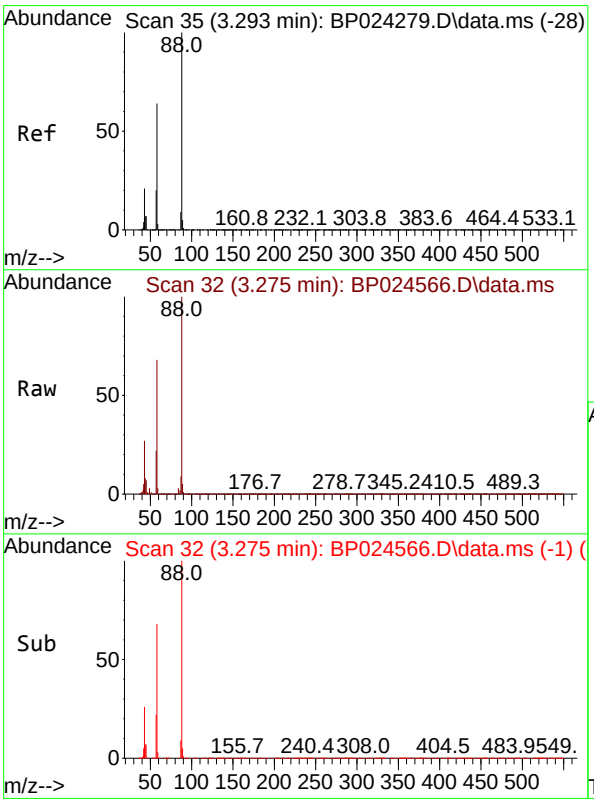
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.699 min Scan# 7
Delta R.T. -0.023 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 138257

Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.9	187.3
115	64.1	47.7	71.5

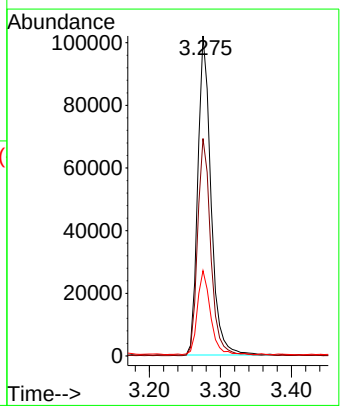


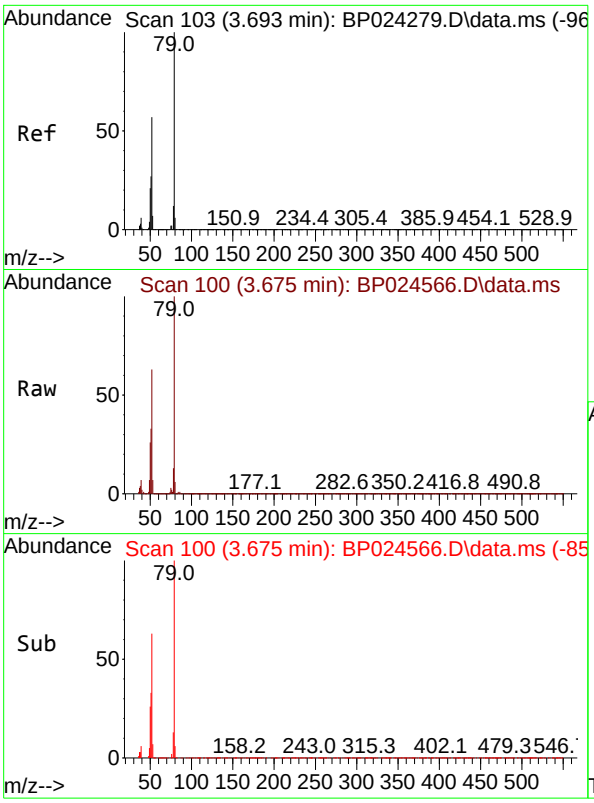


#2
1,4-Dioxane
Concen: 37.253 ng
RT: 3.275 min Scan# 32
Delta R.T. -0.012 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion: 88 Resp: 131758

Ion	Ratio	Lower	Upper
88	100		
58	68.0	51.4	77.2
43	26.1	17.1	25.7#



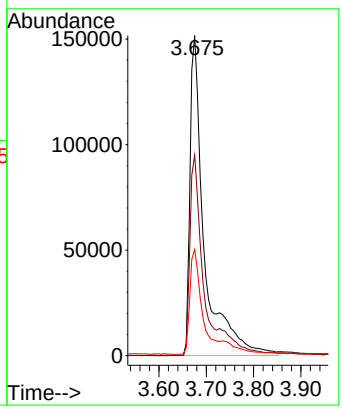


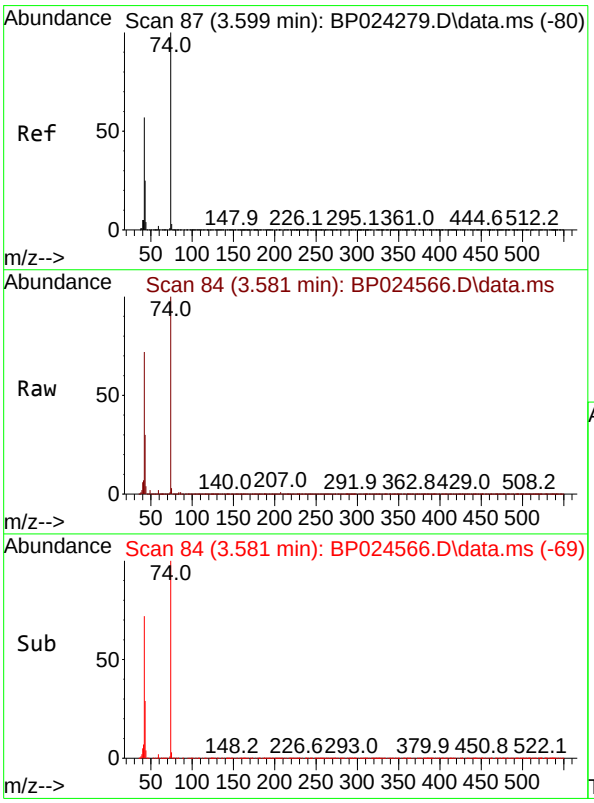
#3
Pyridine
Concen: 34.200 ng
RT: 3.675 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 319398

Ion	Ratio	Lower	Upper
79	100		
52	62.7	45.4	68.2
51	33.1	22.6	33.8

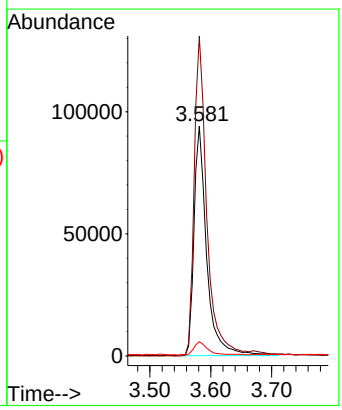


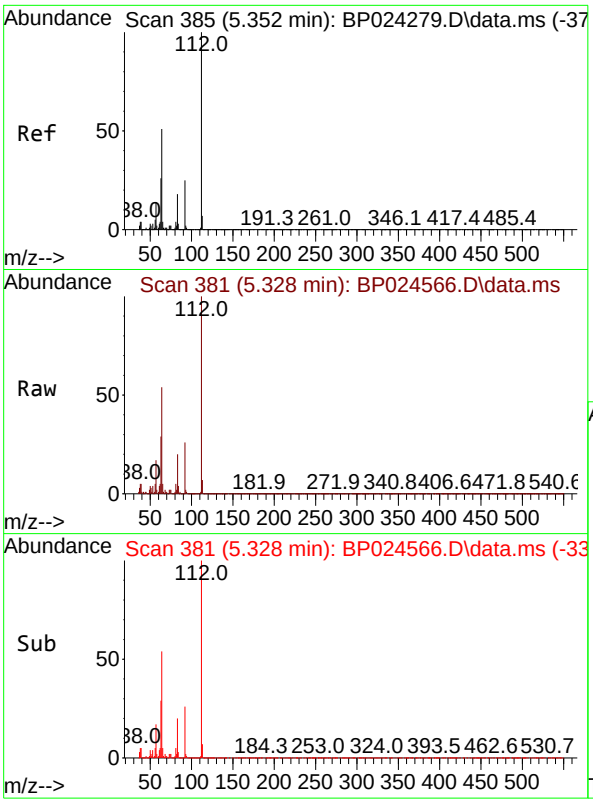


#4
n-Nitrosodimethylamine
Concen: 44.009 ng
RT: 3.581 min Scan# 84
Delta R.T. -0.012 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion: 42 Resp: 136407

Ion	Ratio	Lower	Upper
42	100		
74	139.2	139.5	209.3#
44	6.2	5.8	8.8



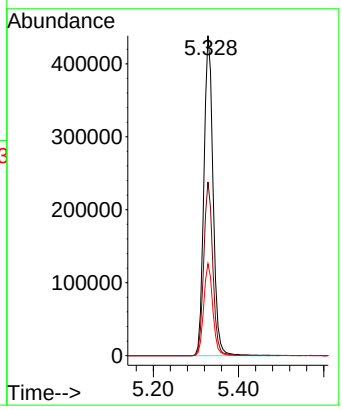


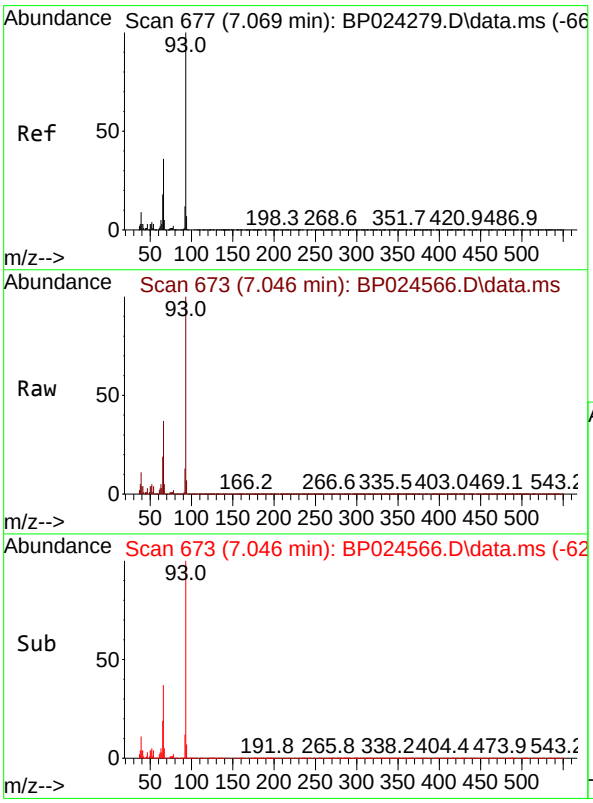
#5
2-Fluorophenol
Concen: 78.398 ng
RT: 5.328 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:112 Resp: 655537

Ion	Ratio	Lower	Upper
112	100		
64	54.3	41.1	61.7
63	28.7	20.6	30.8

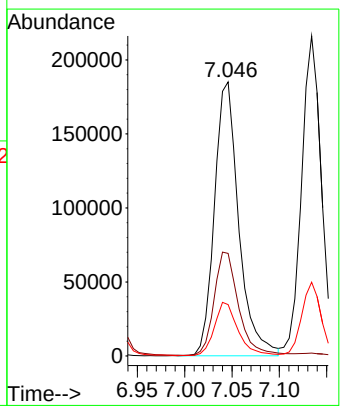


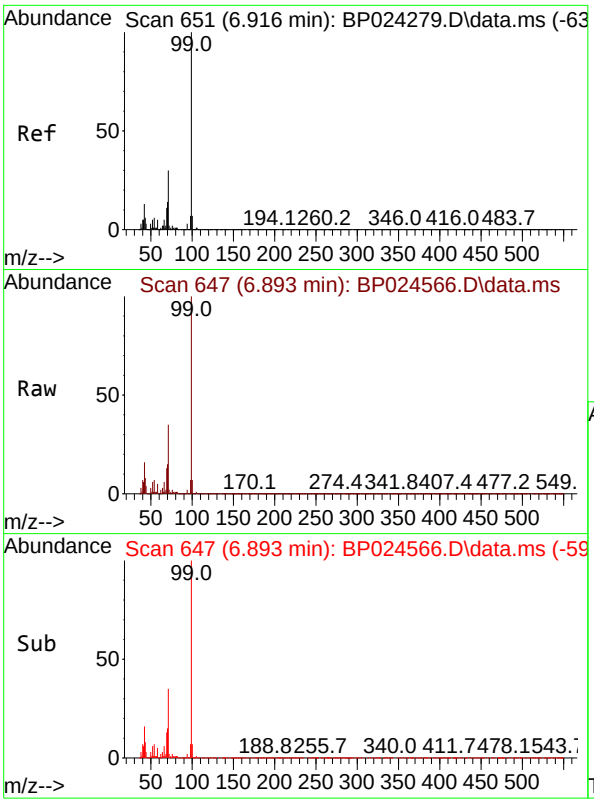


#6
Aniline
Concen: 32.324 ng
RT: 7.046 min Scan# 673
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion: 93 Resp: 330711

Ion	Ratio	Lower	Upper
93	100		
66	37.4	29.1	43.7
65	18.7	14.7	22.1



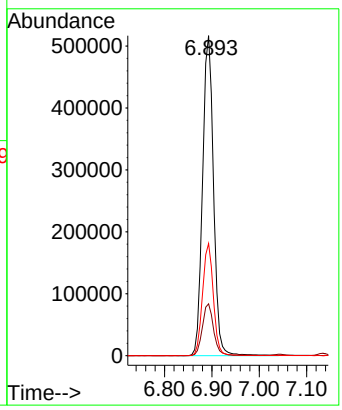


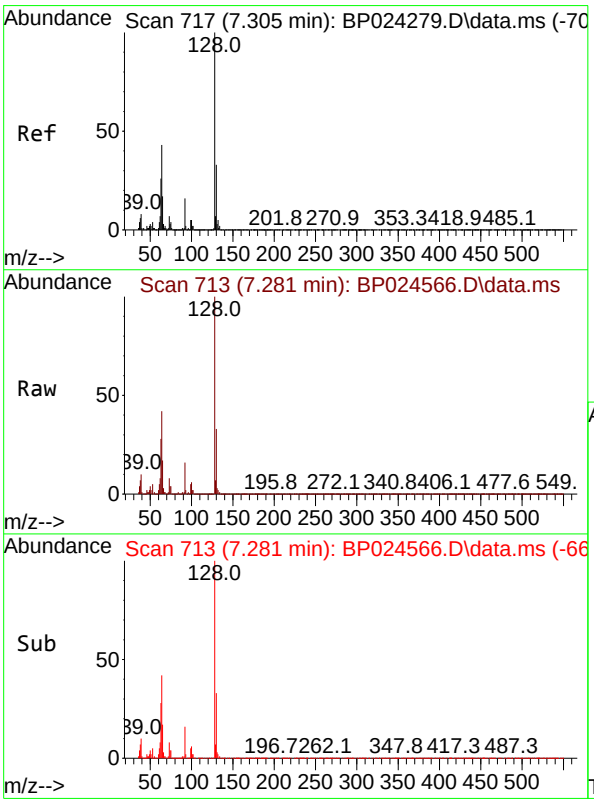
#7
Phenol-d6
Concen: 72.320 ng
RT: 6.893 min Scan# 64
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 99 Resp: 828029

Ion	Ratio	Lower	Upper
99	100		
42	16.2	10.6	16.0#
71	35.0	23.7	35.5

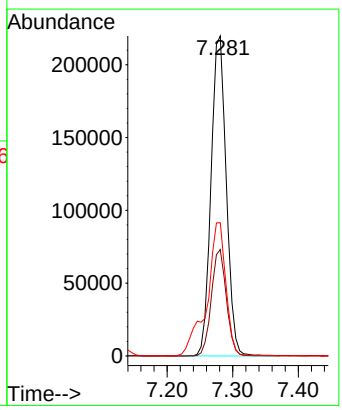


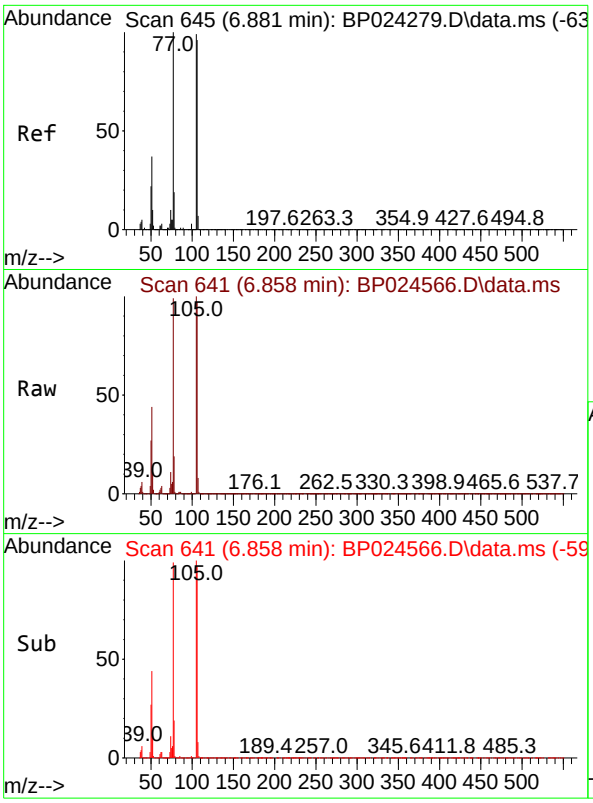


#8
2-Chlorophenol
Concen: 37.963 ng
RT: 7.281 min Scan# 713
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:128 Resp: 354417

Ion	Ratio	Lower	Upper
128	100		
130	33.2	12.9	52.9
64	41.7	22.7	62.7



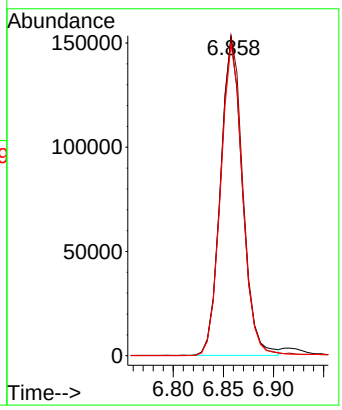


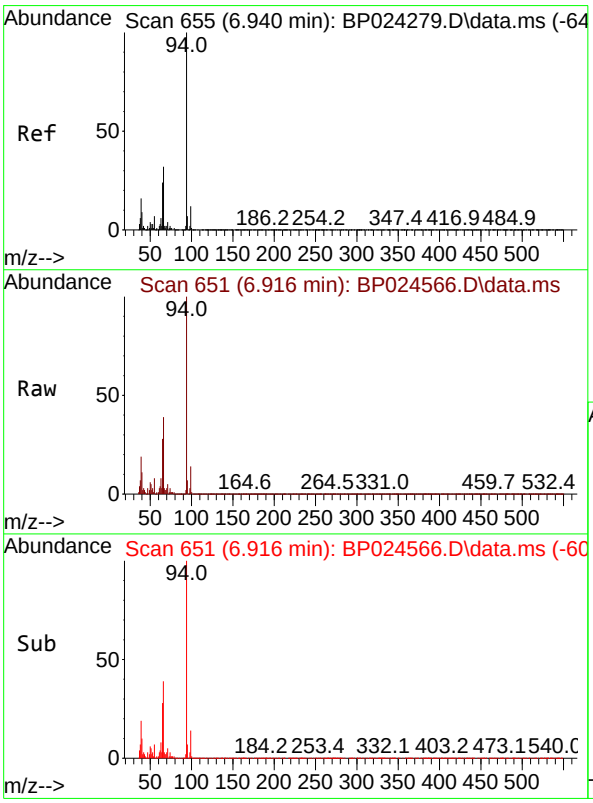
#9
Benzaldehyde
Concen: 40.806 ng
RT: 6.858 min Scan# 64
Delta R.T. -0.023 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 231108

Ion	Ratio	Lower	Upper
77	100		
105	100.6	79.2	119.2
106	97.9	76.2	116.2

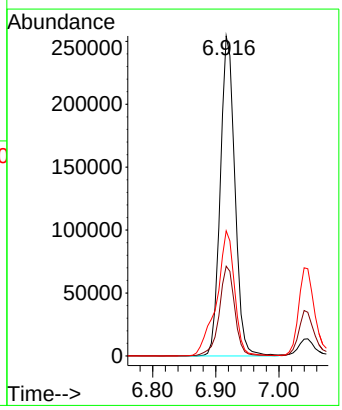


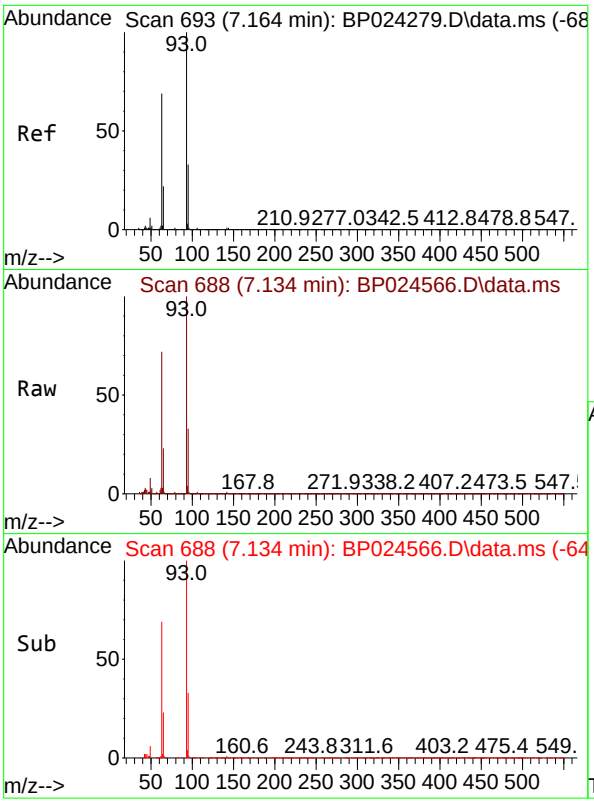


#10
Phenol
Concen: 35.563 ng
RT: 6.916 min Scan# 651
Delta R.T. -0.023 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion: 94 Resp: 408458

Ion	Ratio	Lower	Upper
94	100		
65	28.1	4.5	44.5
66	39.1	12.4	52.4



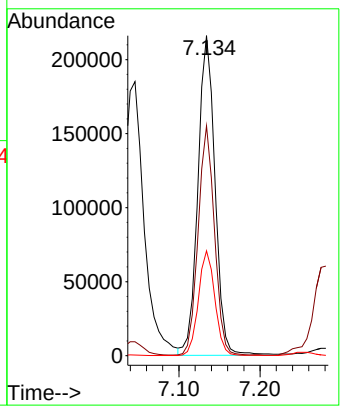


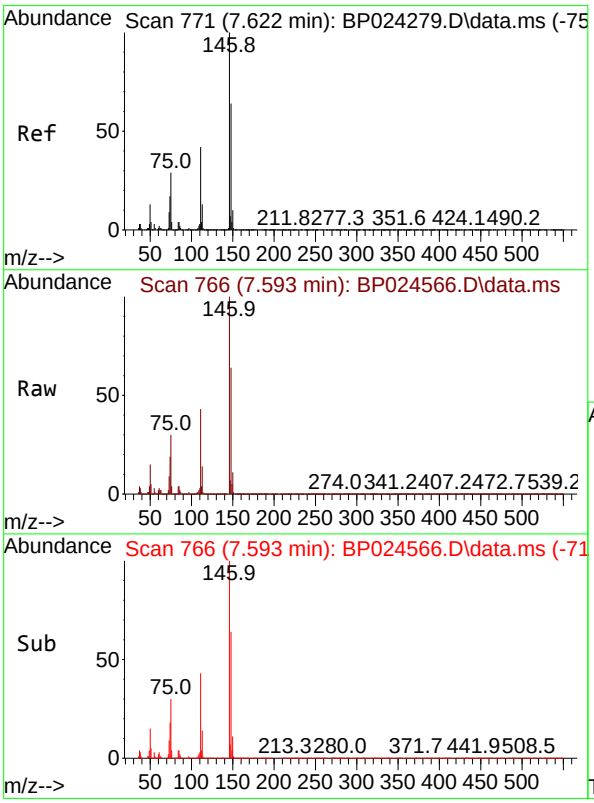
#11
bis(2-Chloroethyl)ether
Concen: 34.297 ng
RT: 7.134 min Scan# 6
Delta R.T. -0.023 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 93 Resp: 317387

Ion	Ratio	Lower	Upper
93	100		
63	71.8	48.6	88.6
95	32.8	12.3	52.3

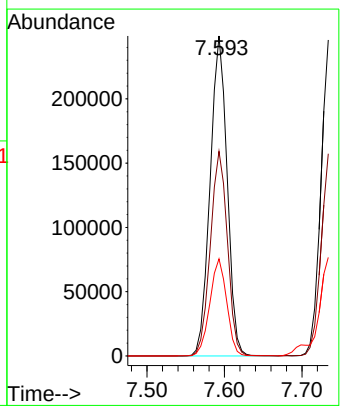


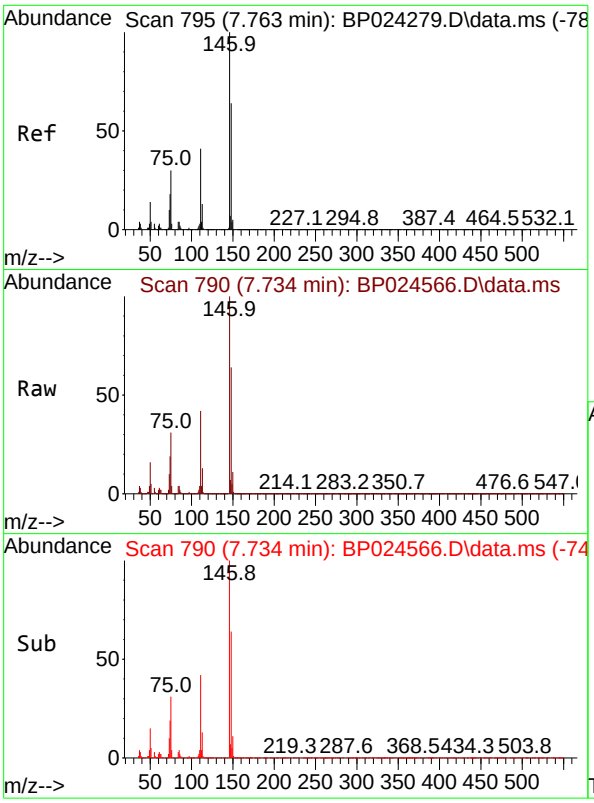


#12
1,3-Dichlorobenzene
Concen: 37.752 ng
RT: 7.593 min Scan# 766
Delta R.T. -0.023 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:146 Resp: 379429

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.4	77.0
75	30.4	22.9	34.3



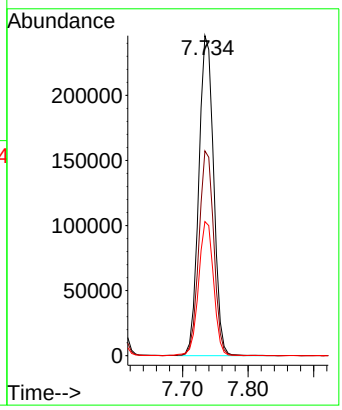


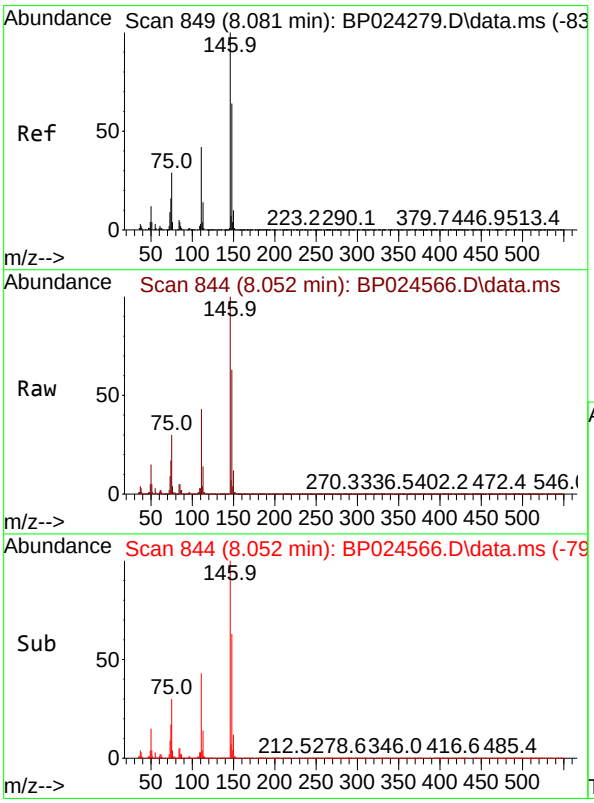
#13
1,4-Dichlorobenzene
Concen: 38.026 ng
RT: 7.734 min Scan# 7
Delta R.T. -0.023 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:146 Resp: 387776

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.1	76.7
111	41.9	32.6	48.8

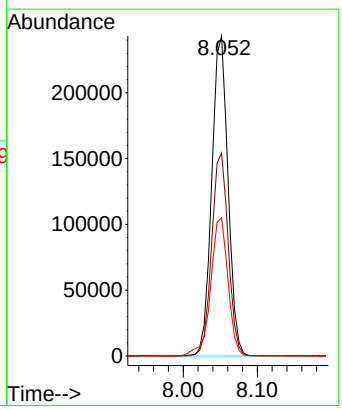


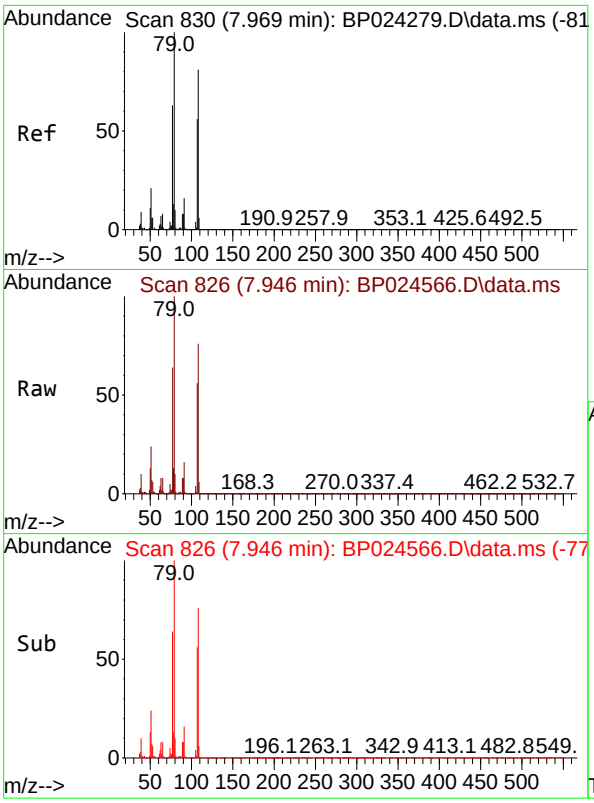


#14
1,2-Dichlorobenzene
Concen: 37.592 ng
RT: 8.052 min Scan# 844
Delta R.T. -0.023 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:146 Resp: 370165

Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.0	76.4
111	43.2	33.8	50.8



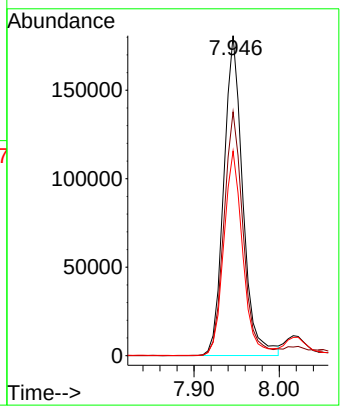


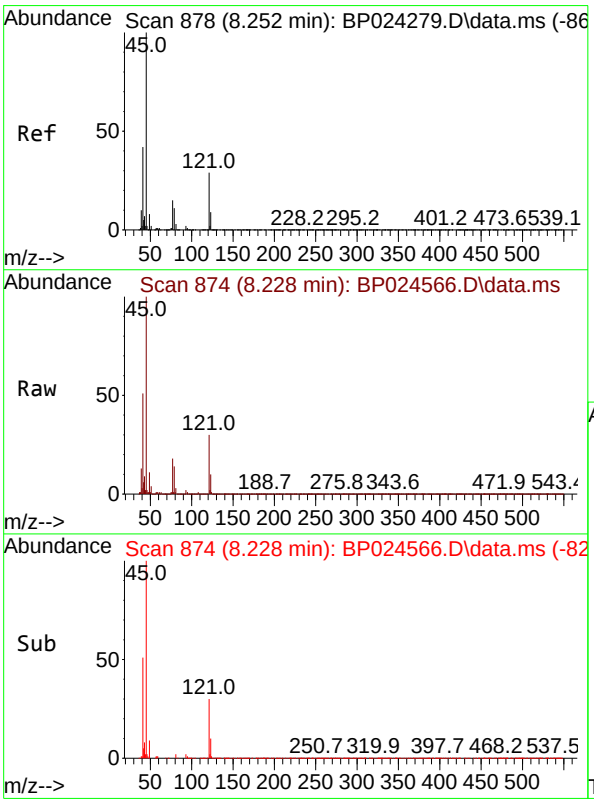
#15
Benzyl Alcohol
Concen: 37.881 ng
RT: 7.946 min Scan# 8
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 280488

Ion	Ratio	Lower	Upper
79	100		
108	76.2	65.1	97.7
77	63.9	50.7	76.1

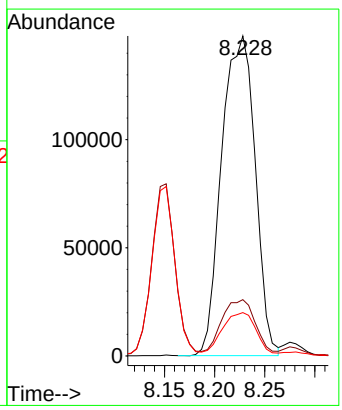


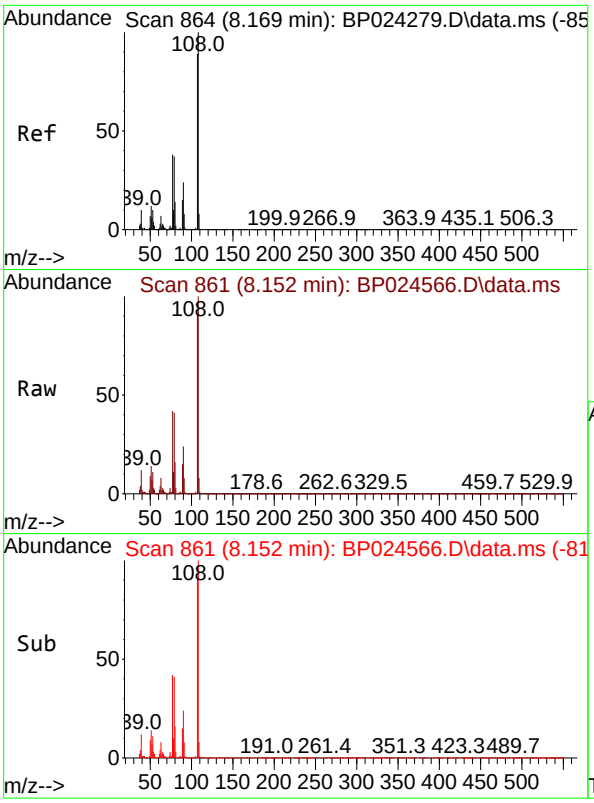


#16
2,2'-oxybis(1-Chloropropane)
Concen: 34.414 ng
RT: 8.228 min Scan# 874
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion: 45 Resp: 344227

Ion	Ratio	Lower	Upper
45	100		
77	17.6	0.0	37.7
79	13.5	0.0	33.5



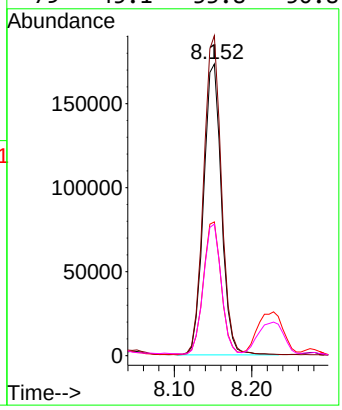


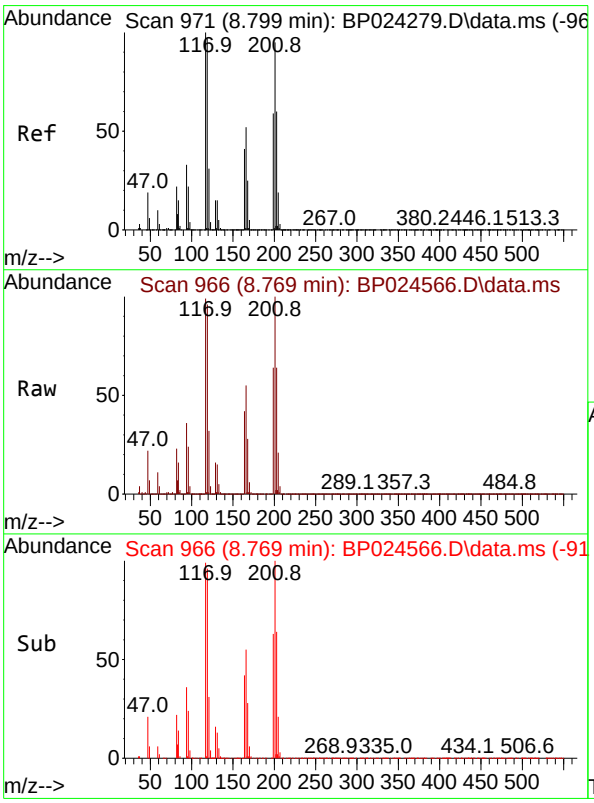
#17
2-Methylphenol
Concen: 37.265 ng
RT: 8.152 min Scan# 8
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:107 Resp: 276882

Ion	Ratio	Lower	Upper
107	100		
108	109.7	89.8	134.6
77	45.9	34.2	51.4
79	45.1	33.8	50.8

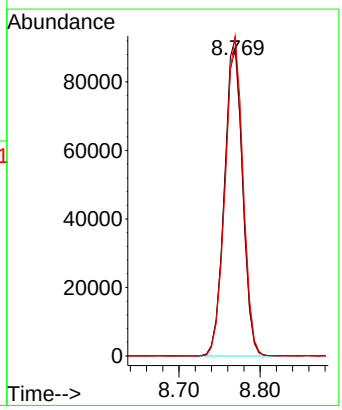


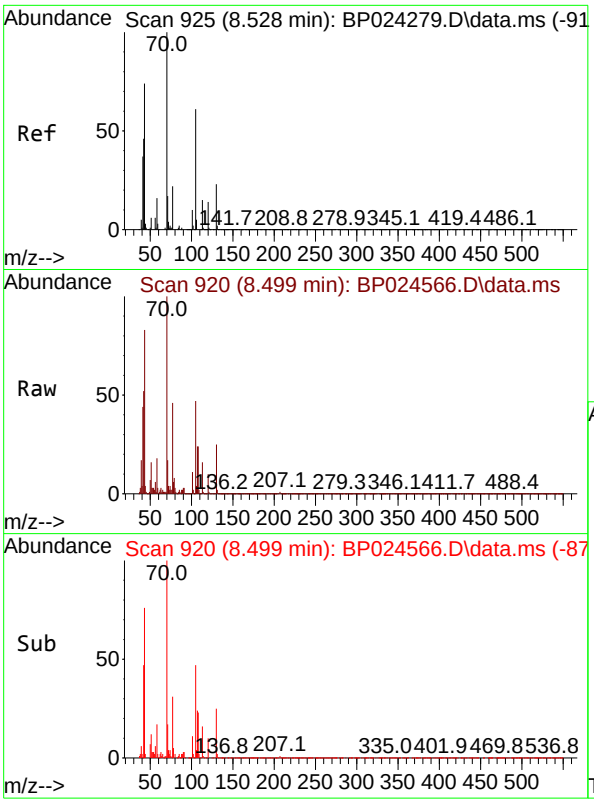


#18
Hexachloroethane
Concen: 38.938 ng
RT: 8.769 min Scan# 966
Delta R.T. -0.023 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:117 Resp: 143498

Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.8	116.6
201	100.7	75.9	113.9



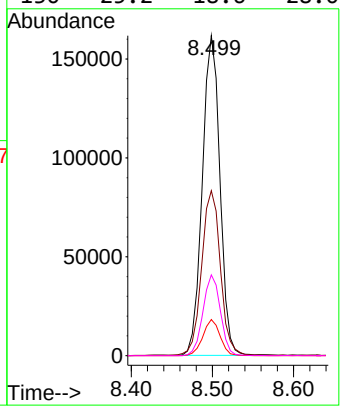


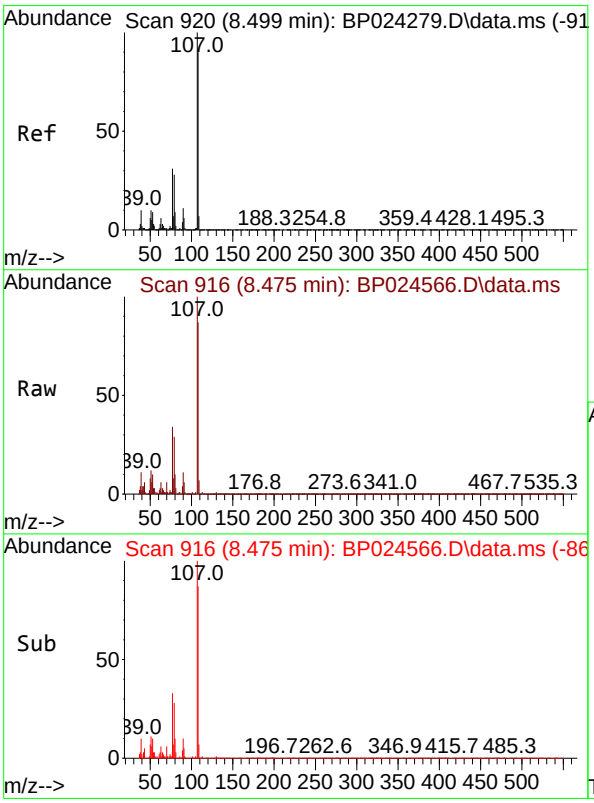
#19
n-Nitroso-di-n-propylamine
Concen: 34.351 ng
RT: 8.499 min Scan# 9
Delta R.T. -0.023 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 70 Resp: 243323

Ion	Ratio	Lower	Upper
70	100		
42	51.6	37.3	55.9
101	11.3	8.2	12.4
130	25.2	18.6	28.0

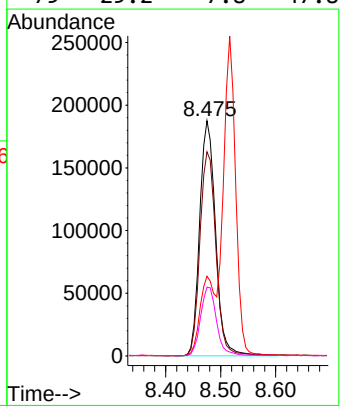


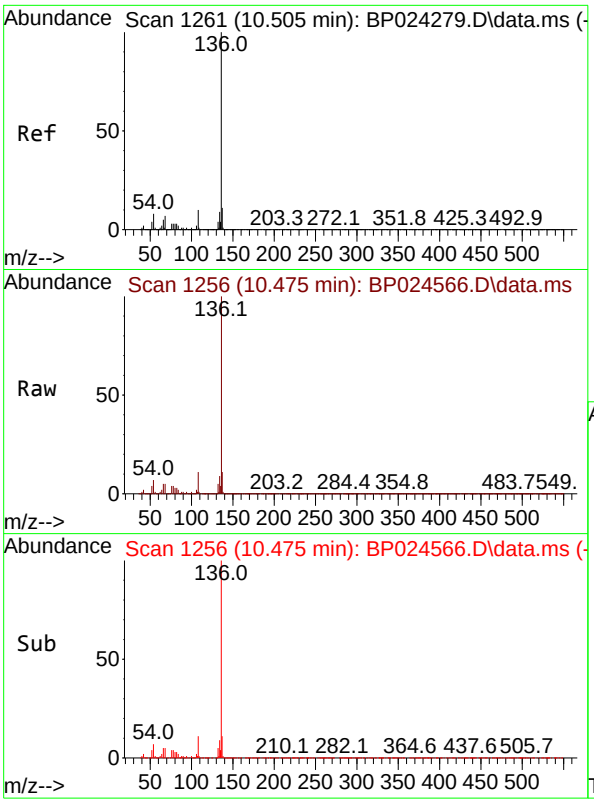


#20
3+4-Methylphenols
Concen: 36.485 ng
RT: 8.475 min Scan# 916
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:107 Resp: 376144

Ion	Ratio	Lower	Upper
107	100		
108	86.8	69.8	109.8
77	33.8	11.5	51.5
79	29.2	7.8	47.8



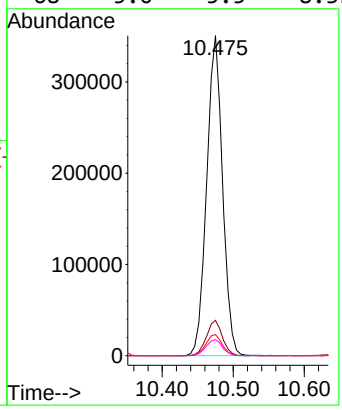


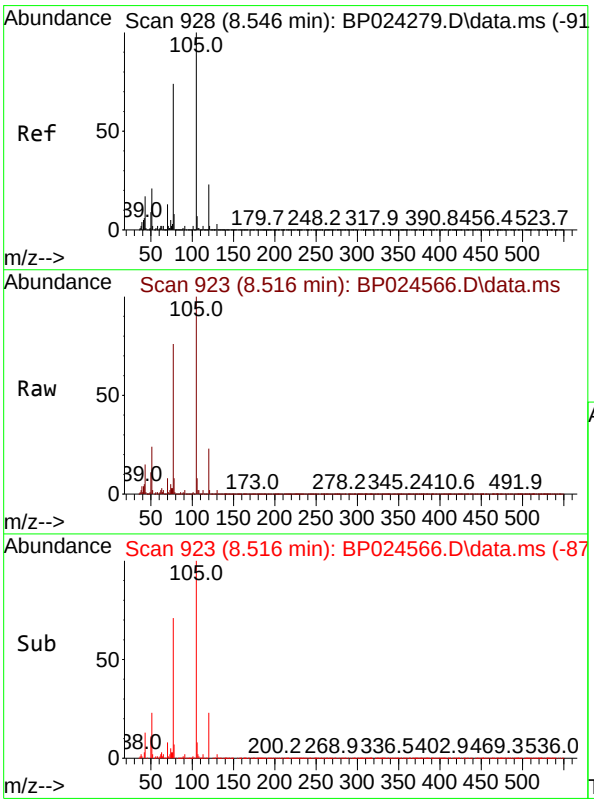
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.475 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:136 Resp: 544120

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	6.6	6.0	9.0
68	5.0	5.5	8.3#

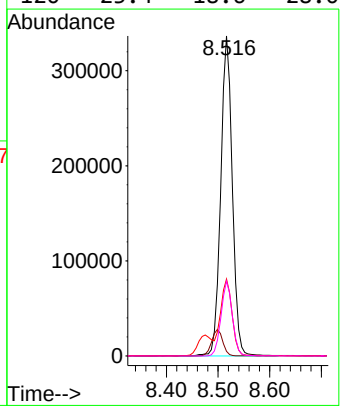


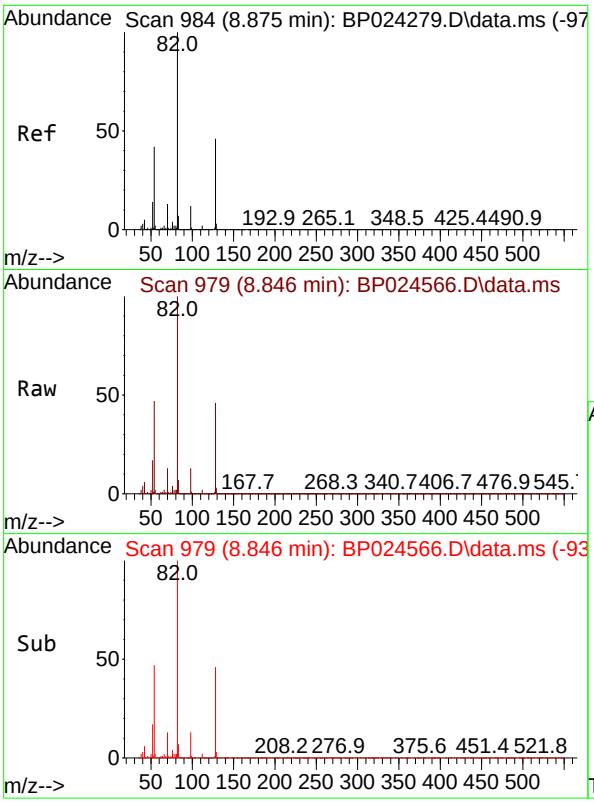


#22
Acetophenone
Concen: 38.875 ng
RT: 8.516 min Scan# 923
Delta R.T. -0.023 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:105 Resp: 523542

Ion	Ratio	Lower	Upper
105	100		
71	1.5	1.7	2.5#
51	24.0	16.9	25.3
120	23.4	18.6	28.0



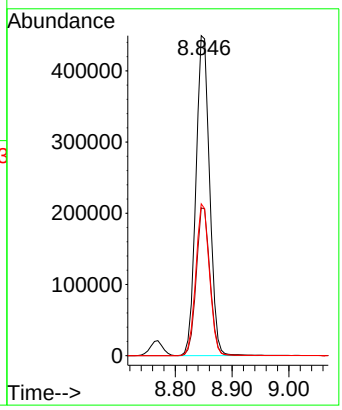


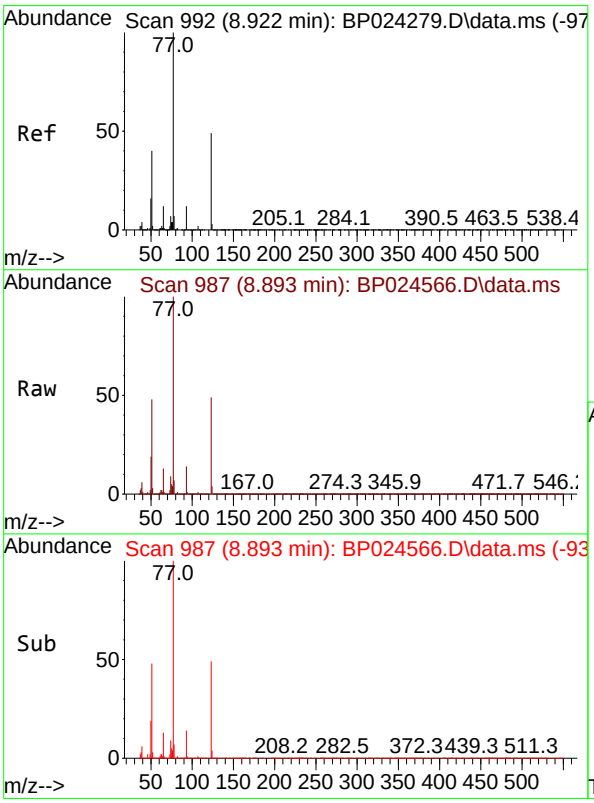
#23
Nitrobenzene-d5
Concen: 78.928 ng
RT: 8.846 min Scan# 9
Delta R.T. -0.023 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 753165

Ion	Ratio	Lower	Upper
82	100		
128	46.2	36.5	54.7
54	47.5	33.4	50.2

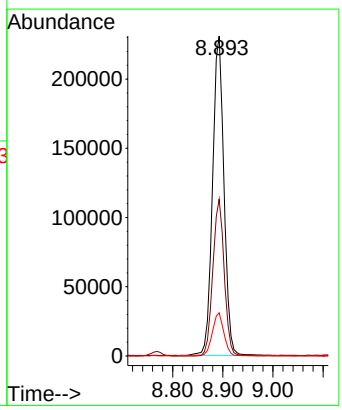


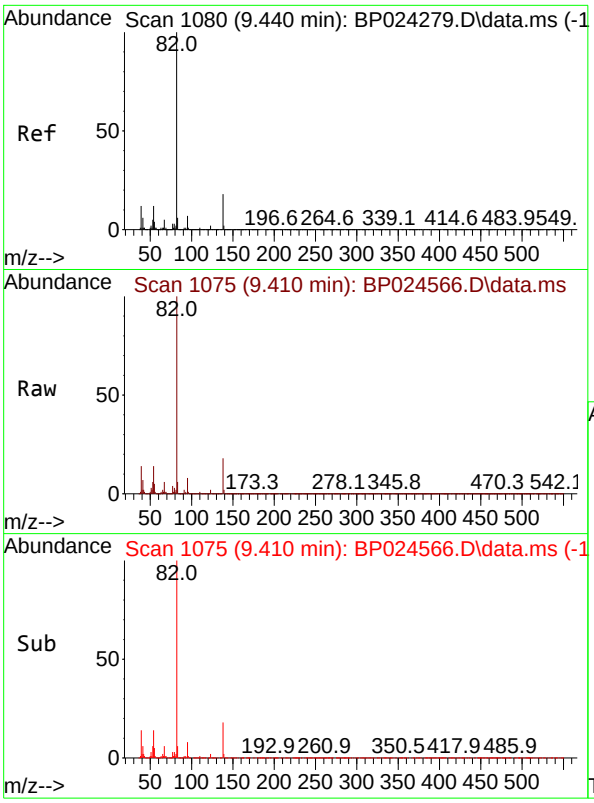


#24
Nitrobenzene
Concen: 38.600 ng
RT: 8.893 min Scan# 987
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion: 77 Resp: 364383

Ion	Ratio	Lower	Upper
77	100		
123	49.0	39.2	58.8
65	13.5	9.8	14.6



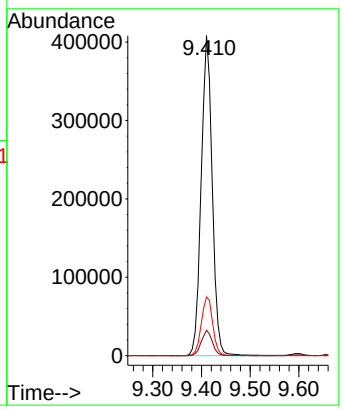


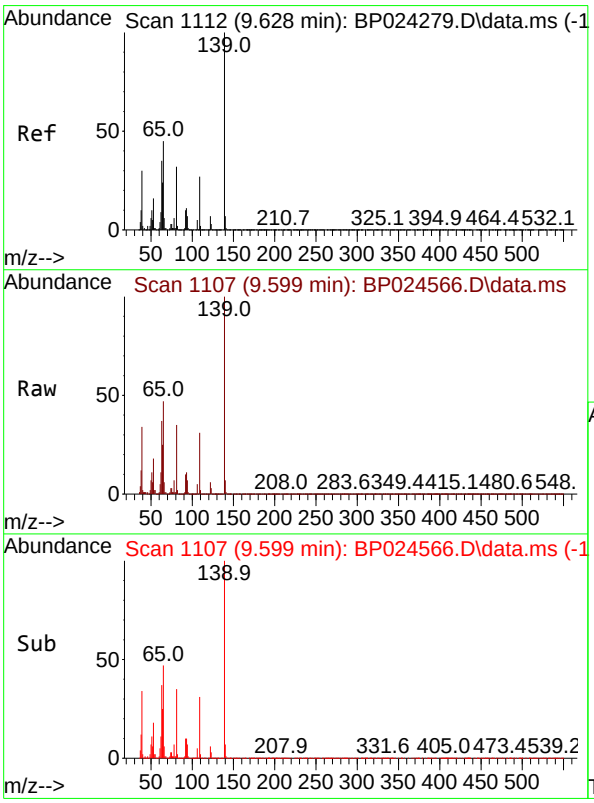
#25
Isophorone
Concen: 37.097 ng
RT: 9.410 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 640750

Ion	Ratio	Lower	Upper
82	100		
95	7.9	5.4	8.2
138	18.3	14.4	21.6

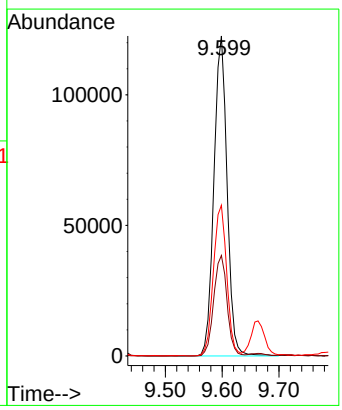


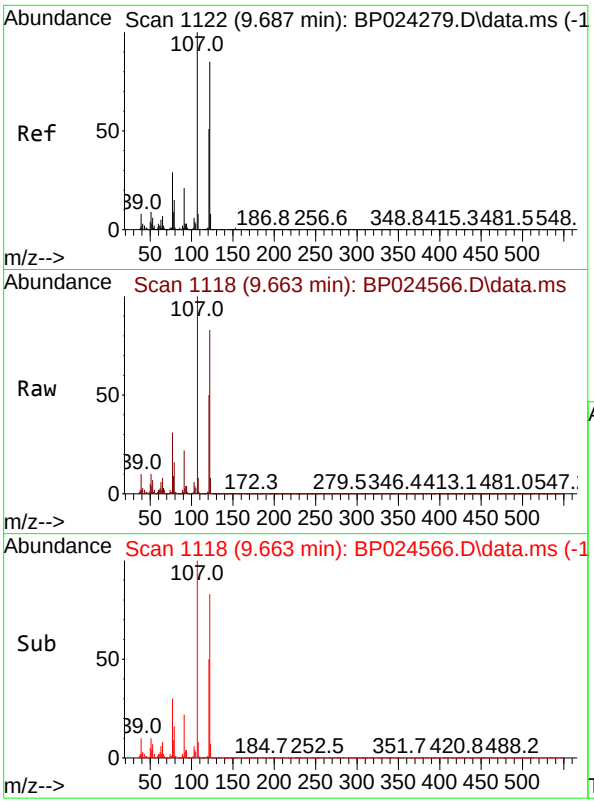


#26
2-Nitrophenol
Concen: 42.630 ng
RT: 9.599 min Scan# 1107
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:139 Resp: 196933

Ion	Ratio	Lower	Upper
139	100		
109	31.4	21.8	32.6
65	47.1	36.2	54.2



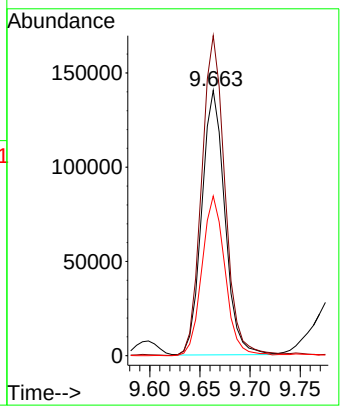


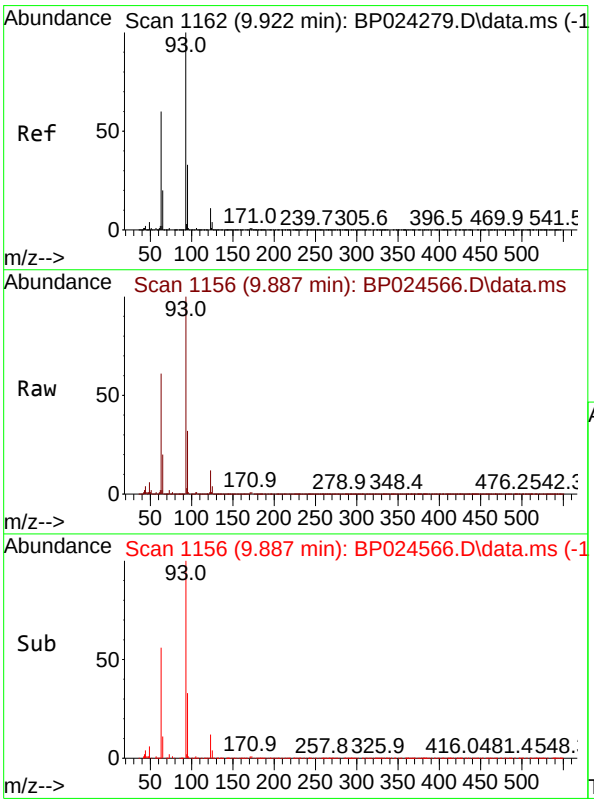
#27
2,4-Dimethylphenol
Concen: 38.773 ng
RT: 9.663 min Scan# 11
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:122 Resp: 224905

Ion	Ratio	Lower	Upper
122	100		
107	120.6	93.7	140.5
121	60.2	48.2	72.2

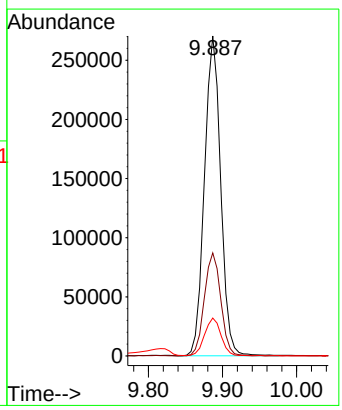


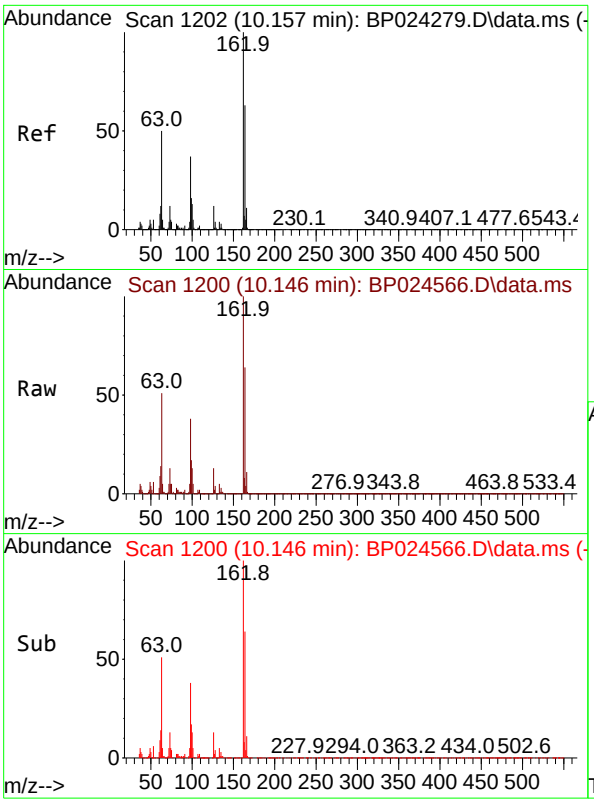


#28
bis(2-Chloroethoxy)methane
Concen: 35.264 ng
RT: 9.887 min Scan# 1156
Delta R.T. -0.023 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion: 93 Resp: 411462

Ion	Ratio	Lower	Upper
93	100		
95	32.2	26.0	39.0
123	11.8	9.1	13.7



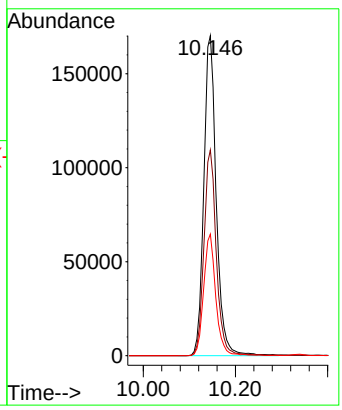


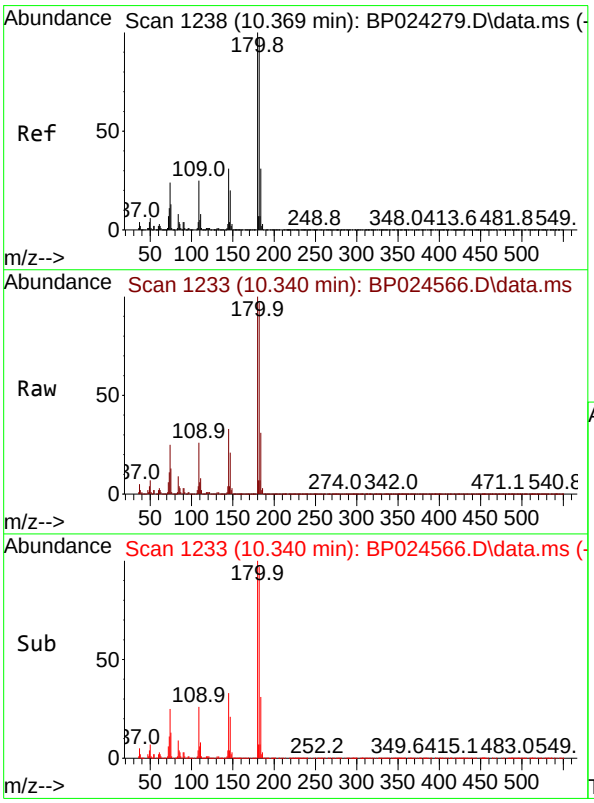
#29
2,4-Dichlorophenol
Concen: 40.600 ng
RT: 10.146 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 321106

Ion	Ratio	Lower	Upper
162	100		
164	64.3	43.3	83.3
98	38.0	16.6	56.6

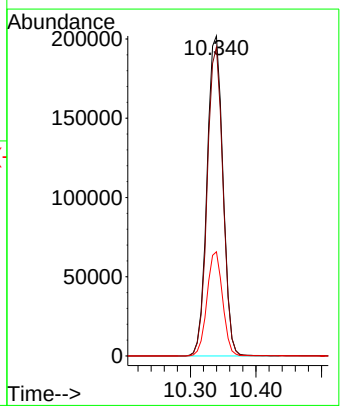


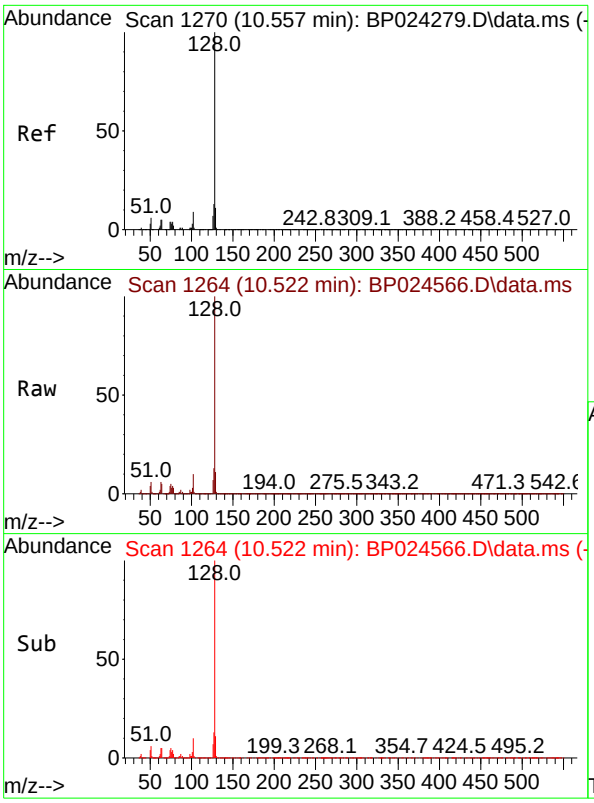


#30
1,2,4-Trichlorobenzene
Concen: 40.208 ng
RT: 10.340 min Scan# 1233
Delta R.T. -0.023 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:180 Resp: 340718

Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.3	115.9
145	32.5	25.1	37.7



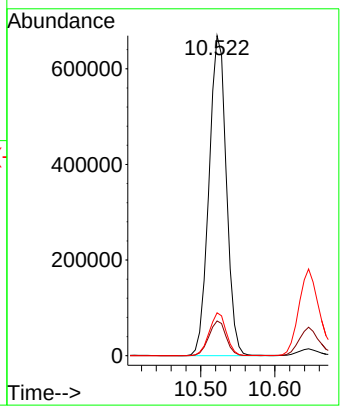


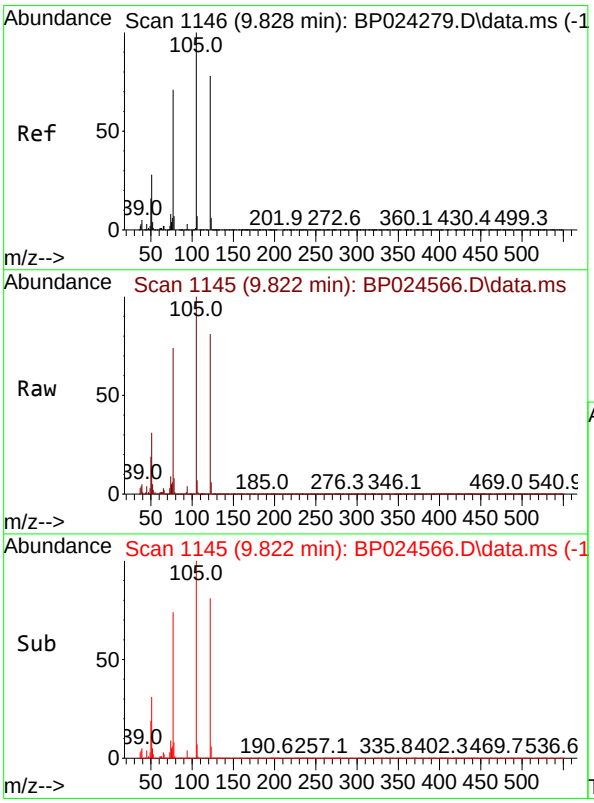
#31
Naphthalene
Concen: 37.888 ng
RT: 10.522 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:128 Resp: 1085946

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	13.4	10.3	15.5

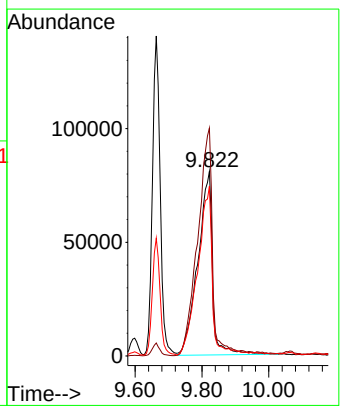


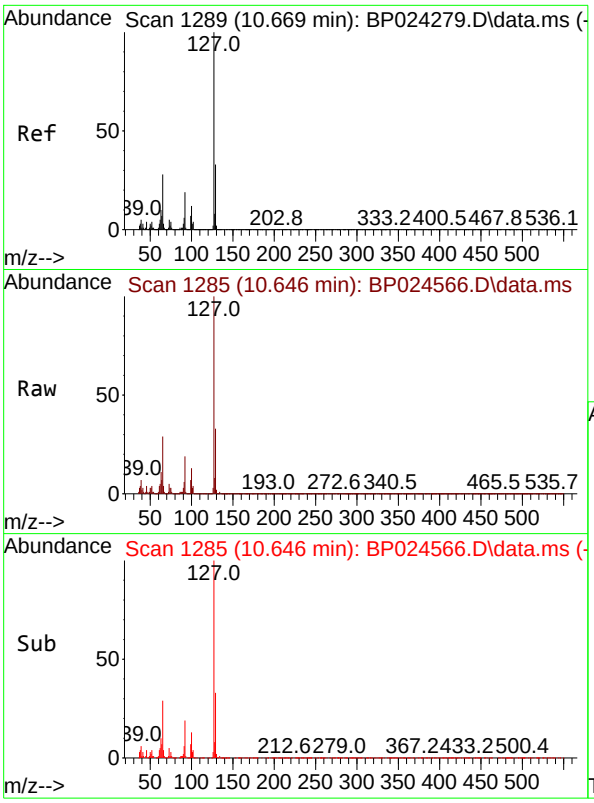


#32
Benzoic acid
Concen: 36.527 ng
RT: 9.822 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:122 Resp: 246884

Ion	Ratio	Lower	Upper
122	100		
105	123.5	104.8	144.8
77	92.0	69.2	109.2



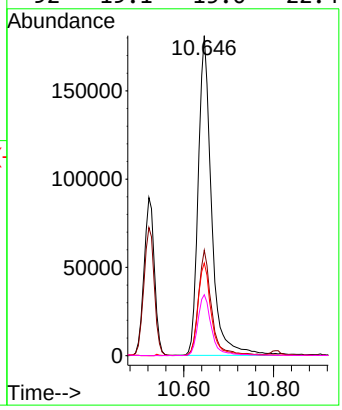


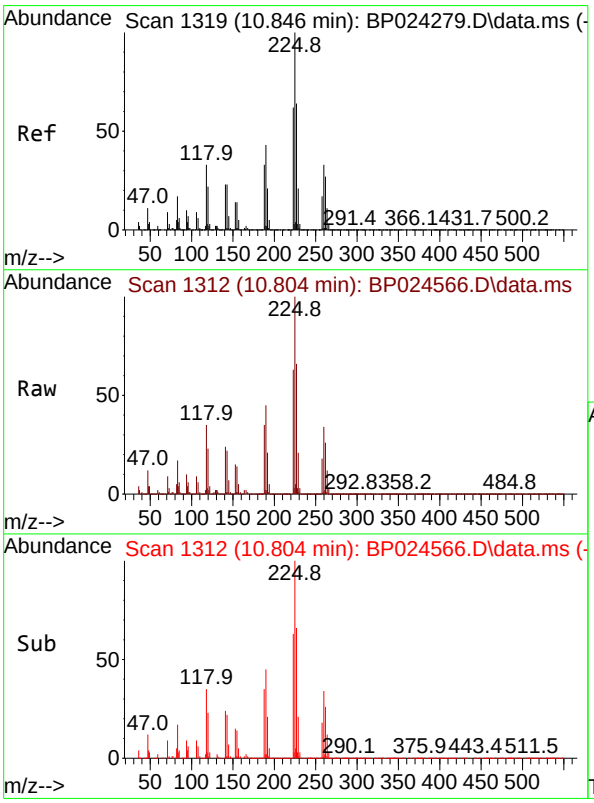
#33
4-Chloroaniline
Concen: 36.882 ng
RT: 10.646 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:127 Resp: 372271

Ion	Ratio	Lower	Upper
127	100		
129	32.9	26.1	39.1
65	28.9	22.1	33.1
92	19.1	15.0	22.4

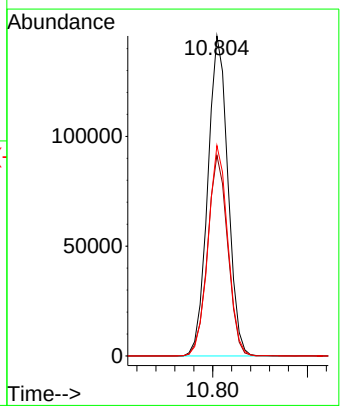


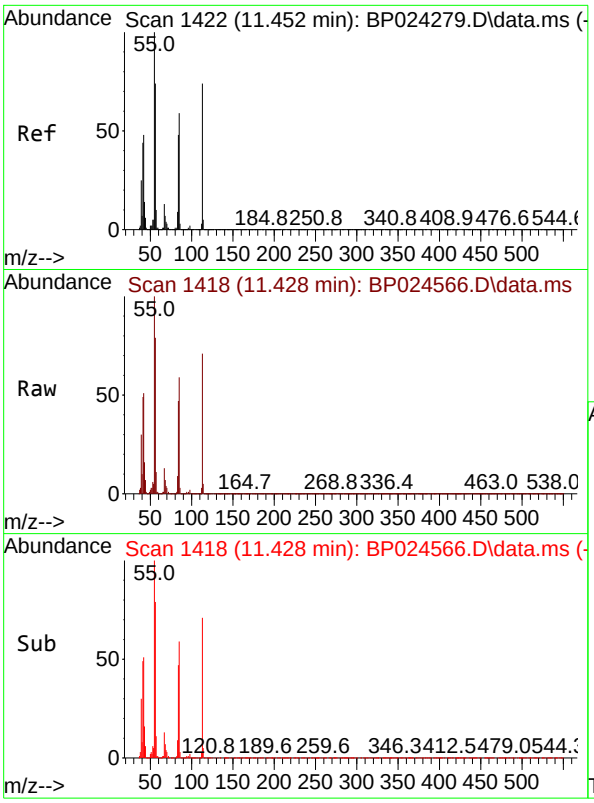


#34
Hexachlorobutadiene
Concen: 43.037 ng
RT: 10.804 min Scan# 1312
Delta R.T. -0.023 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:225 Resp: 214306

Ion	Ratio	Lower	Upper
225	100		
223	62.7	49.5	74.3
227	65.8	50.9	76.3



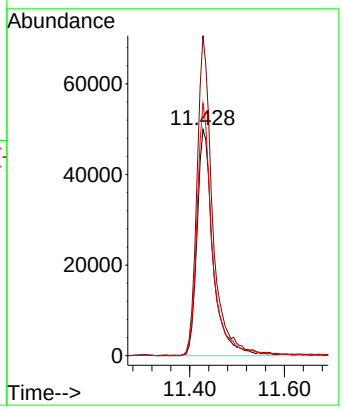


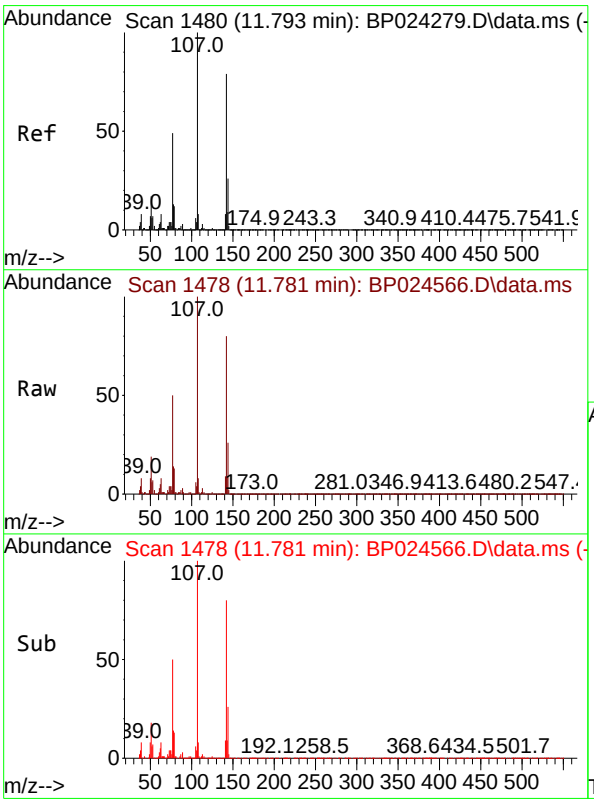
#35
Caprolactam
Concen: 40.090 ng
RT: 11.428 min Scan# 14
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:113 Resp: 116993

Ion	Ratio	Lower	Upper
113	100		
55	141.5	115.9	155.9
56	111.6	81.1	121.1

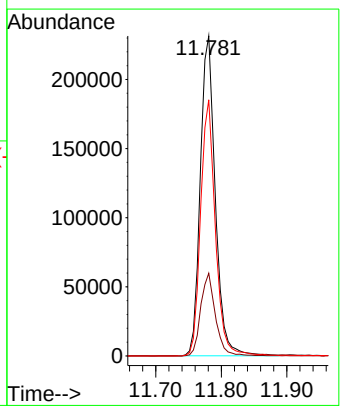


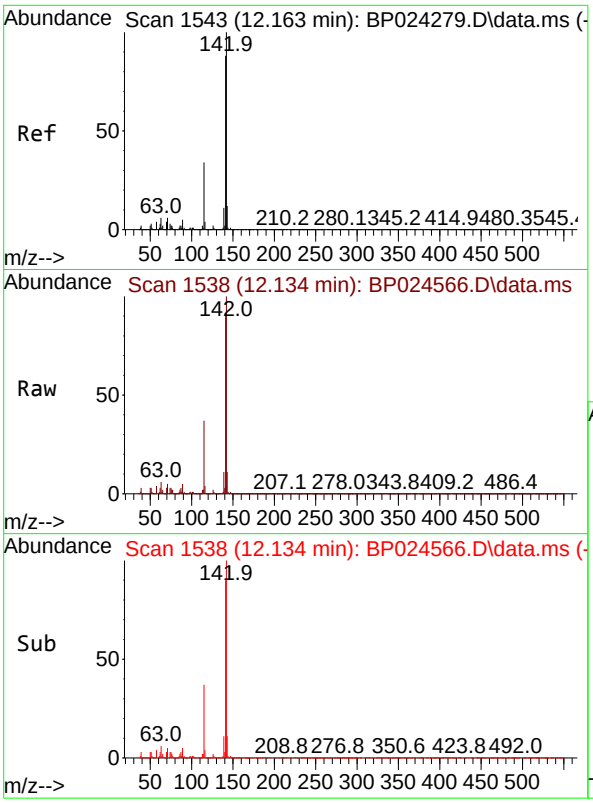


#36
4-Chloro-3-methylphenol
Concen: 40.163 ng
RT: 11.781 min Scan# 1478
Delta R.T. -0.012 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:107 Resp: 369984

Ion	Ratio	Lower	Upper
107	100		
144	25.8	20.5	30.7
142	80.0	63.4	95.2



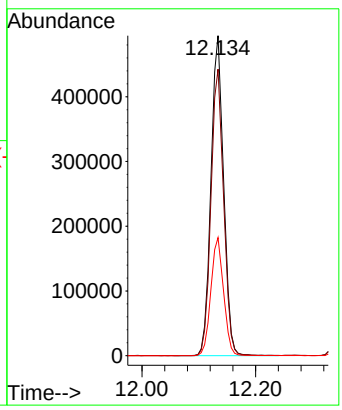


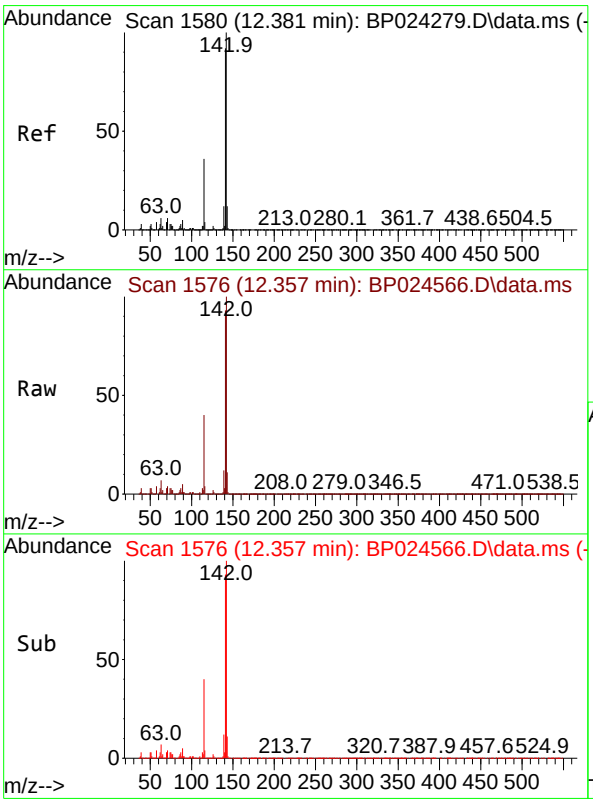
#37
2-Methylnaphthalene
Concen: 38.292 ng
RT: 12.134 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:142 Resp: 761169

Ion	Ratio	Lower	Upper
142	100		
141	89.5	70.3	105.5
115	36.9	26.9	40.3

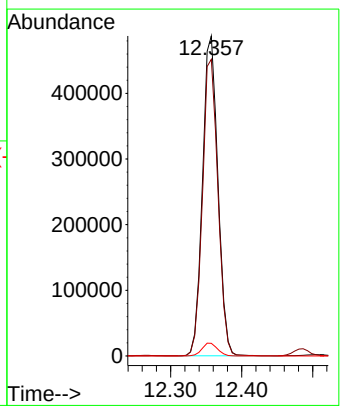


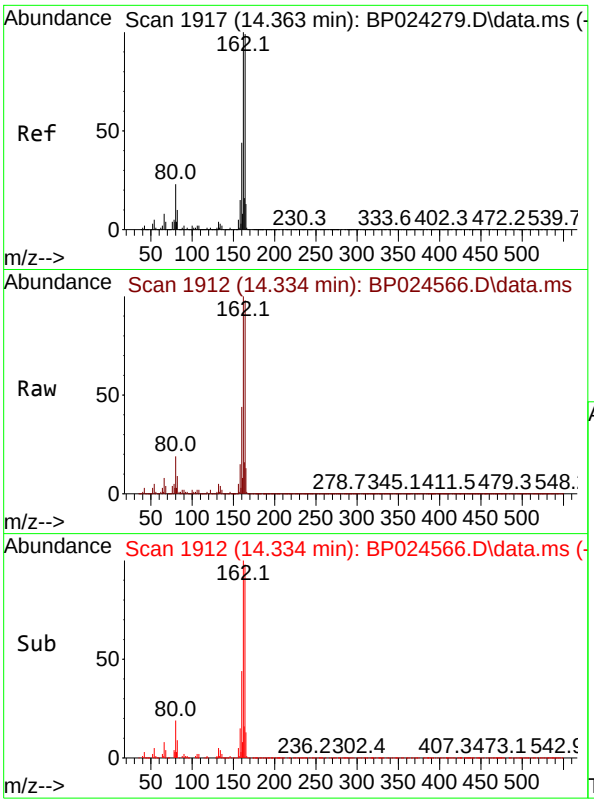


#38
1-Methylnaphthalene
Concen: 37.807 ng
RT: 12.357 min Scan# 1576
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:142 Resp: 735198

Ion	Ratio	Lower	Upper
142	100		
141	92.7	73.6	110.4
116	3.9	3.0	4.6



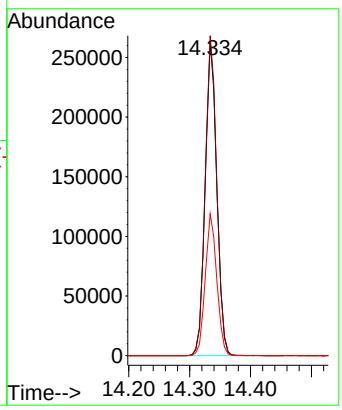


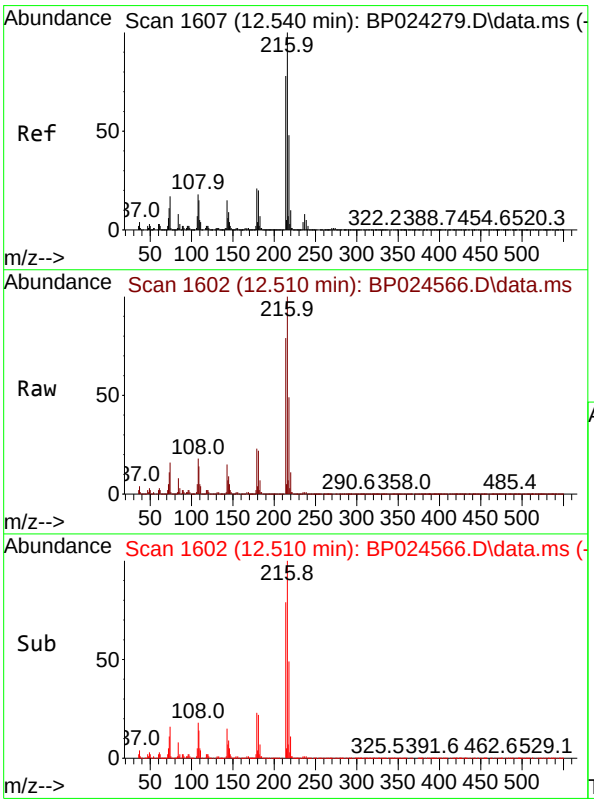
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.334 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:164 Resp: 348461

Ion	Ratio	Lower	Upper
164	100		
162	101.8	80.6	120.8
160	45.1	35.3	52.9

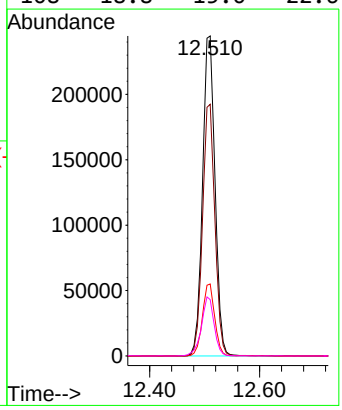


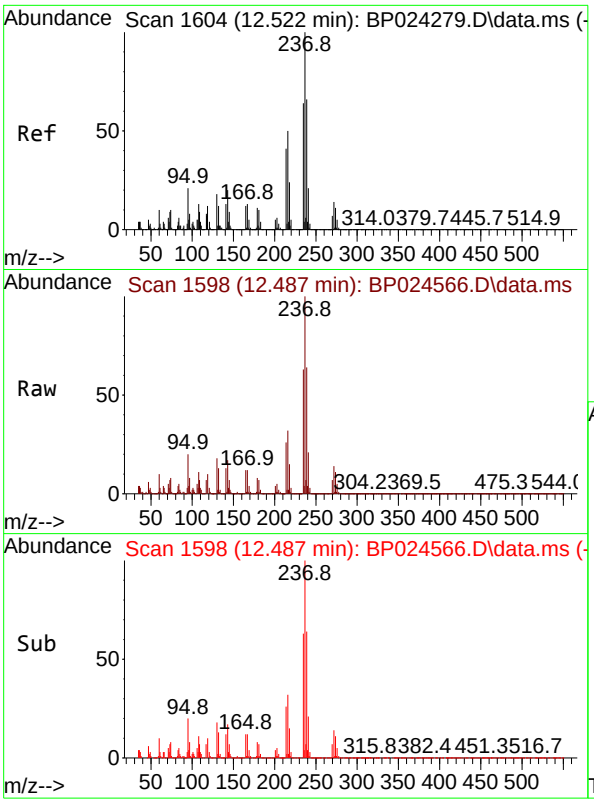


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.154 ng
RT: 12.510 min Scan# 1602
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:216 Resp: 384784

Ion	Ratio	Lower	Upper
216	100		
214	78.1	62.6	93.8
179	22.3	17.2	25.8
108	18.8	15.0	22.6



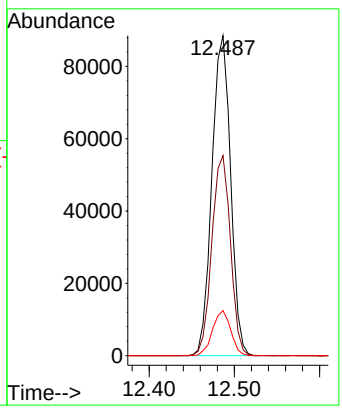


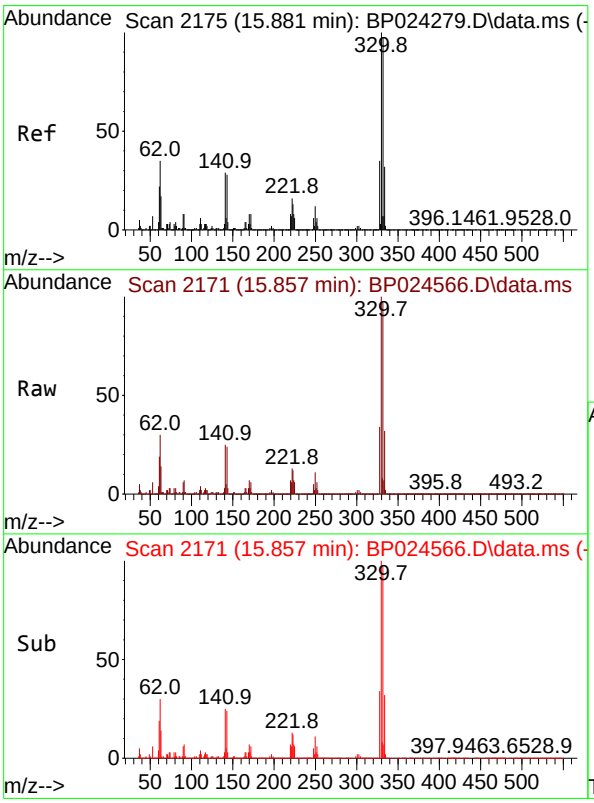
#41
Hexachlorocyclopentadiene
Concen: 39.726 ng
RT: 12.487 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:237 Resp: 134639

Ion	Ratio	Lower	Upper
237	100		
235	62.5	43.9	83.9
272	14.1	0.0	33.6

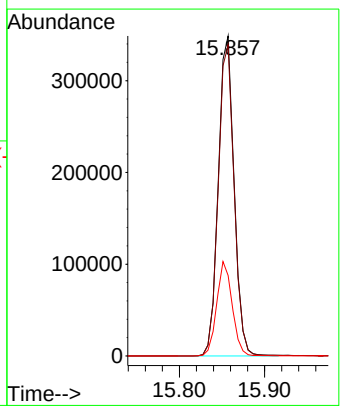


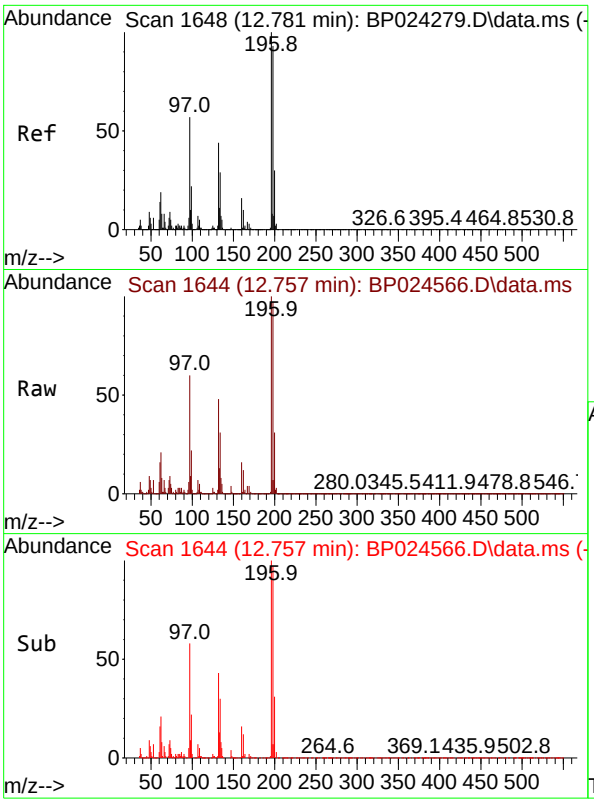


#42
2,4,6-Tribromophenol
Concen: 93.185 ng
RT: 15.857 min Scan# 2171
Delta R.T. -0.006 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:330 Resp: 449260

Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.1	115.7
141	28.9	24.7	37.1



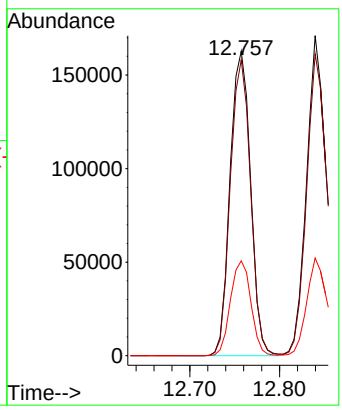


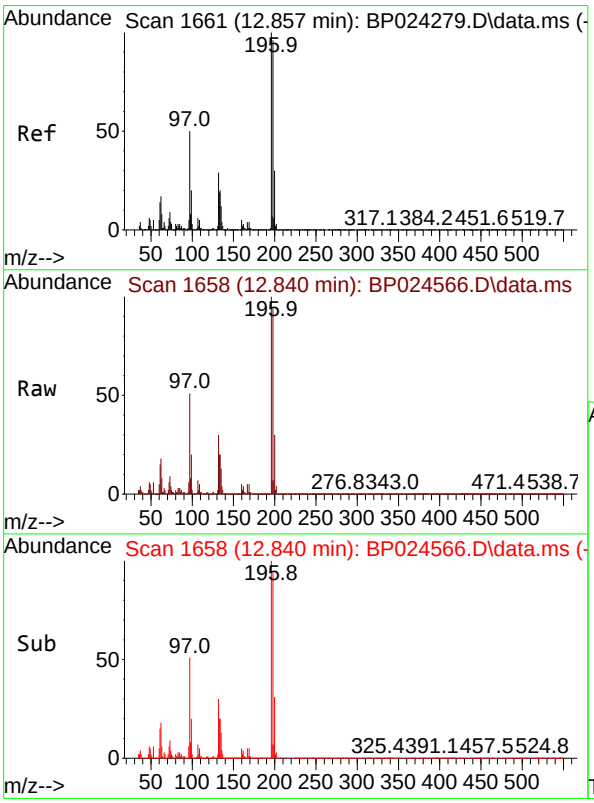
#43
2,4,6-Trichlorophenol
Concen: 40.538 ng
RT: 12.757 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:196 Resp: 258270

Ion	Ratio	Lower	Upper
196	100		
198	97.1	74.3	111.5
200	31.1	24.0	36.0

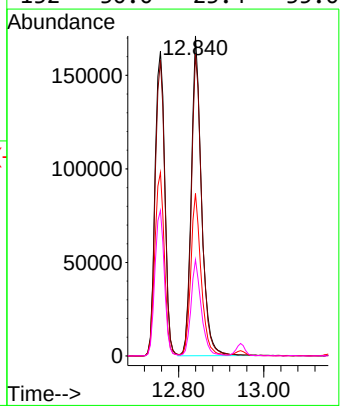


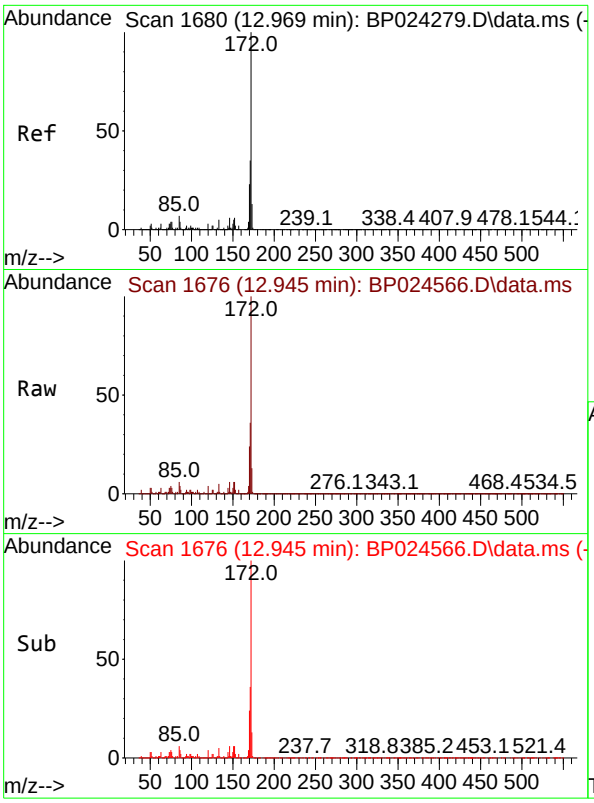


#44
2,4,5-Trichlorophenol
Concen: 40.611 ng
RT: 12.840 min Scan# 1658
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:196 Resp: 286518

Ion	Ratio	Lower	Upper
196	100		
198	94.3	77.3	115.9
97	50.7	40.4	60.6
132	30.0	23.4	35.0



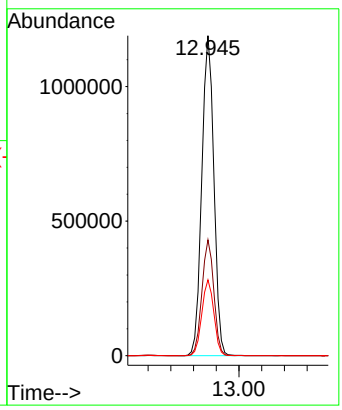


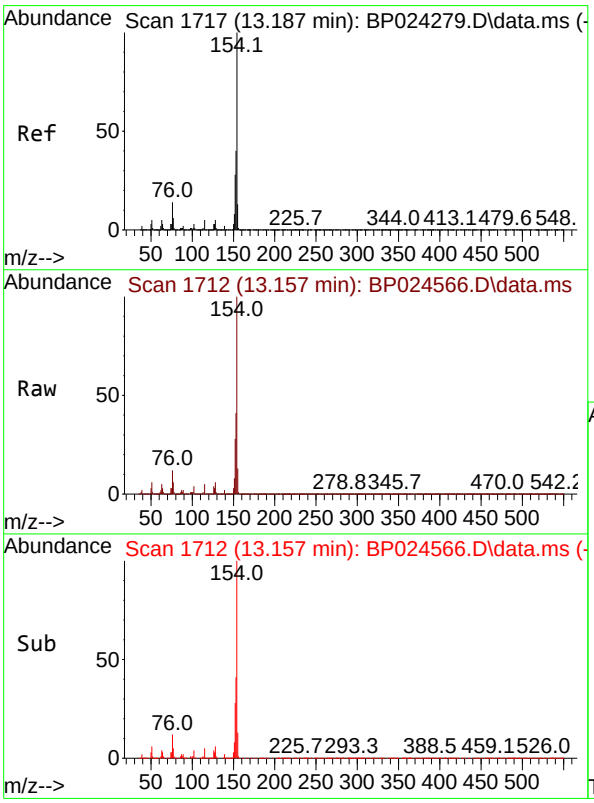
#45
2-Fluorobiphenyl
Concen: 77.114 ng
RT: 12.945 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:172 Resp: 1755016

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.2	42.2
170	23.7	18.6	27.8

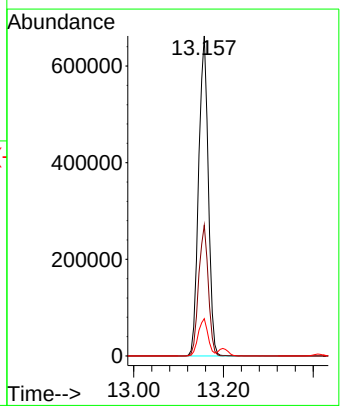


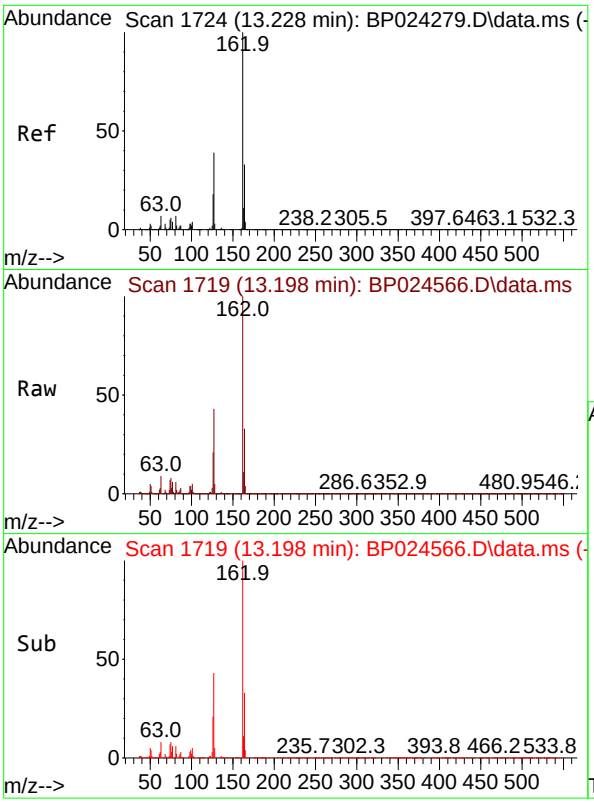


#46
1,1'-Biphenyl
Concen: 38.451 ng
RT: 13.157 min Scan# 1712
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:154 Resp: 984863

Ion	Ratio	Lower	Upper
154	100		
153	40.8	20.3	60.3
76	11.7	0.0	33.5



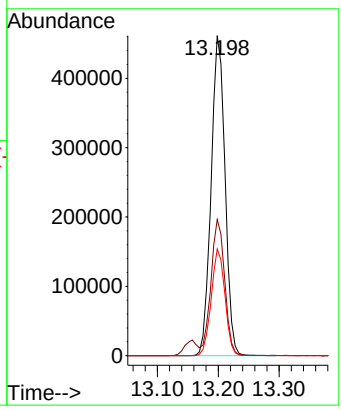


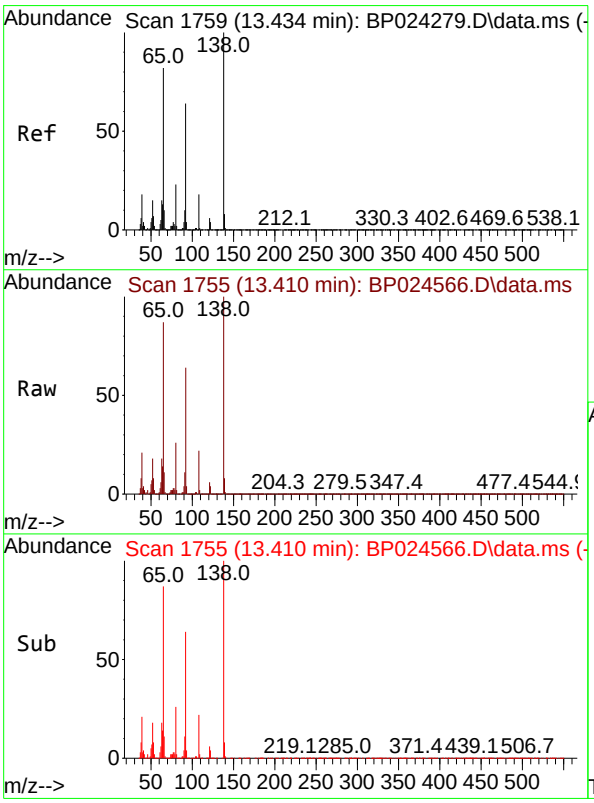
#47
2-Chloronaphthalene
Concen: 38.318 ng
RT: 13.198 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 733529

Ion	Ratio	Lower	Upper
162	100		
127	42.6	31.9	47.9
164	33.3	26.2	39.4

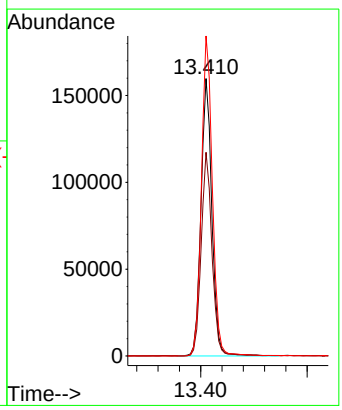


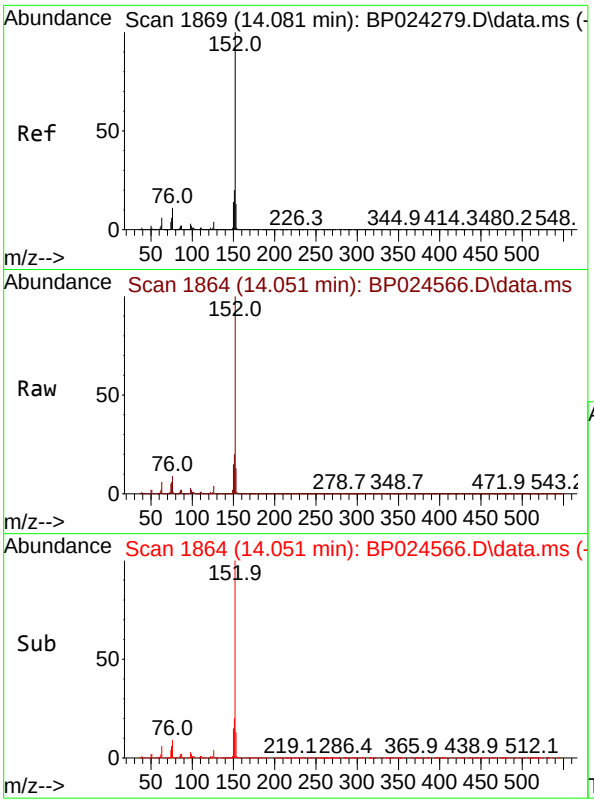


#48
2-Nitroaniline
Concen: 42.207 ng
RT: 13.410 min Scan# 1755
Delta R.T. -0.012 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion: 65 Resp: 226645

Ion	Ratio	Lower	Upper
65	100		
92	73.4	62.3	93.5
138	115.3	97.2	145.8



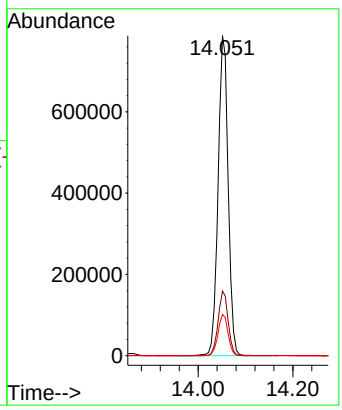


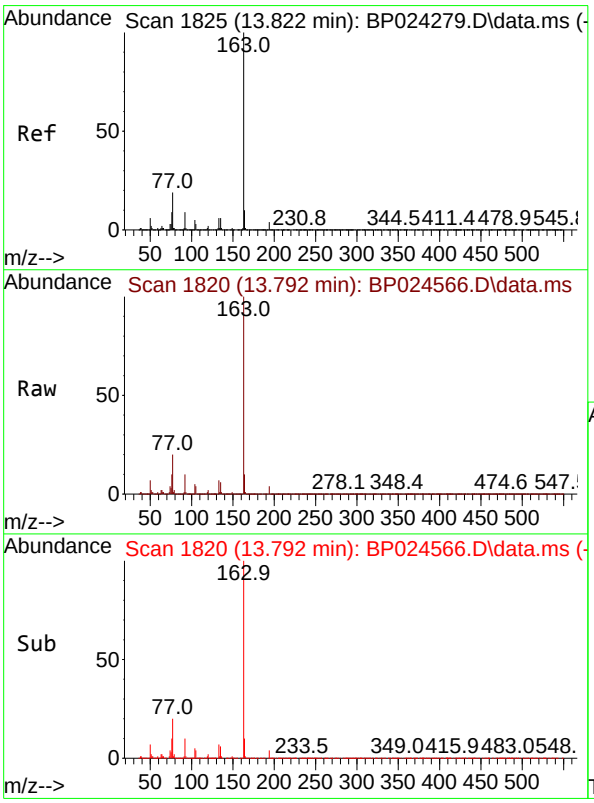
#49
Acenaphthylene
Concen: 38.360 ng
RT: 14.051 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 1156160

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.9	23.9
153	12.9	10.6	15.8

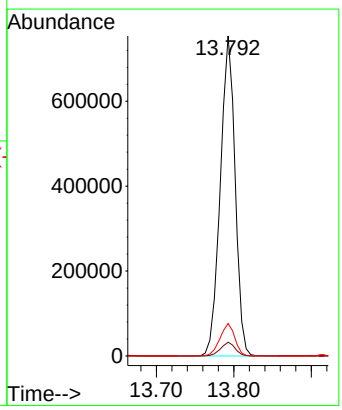


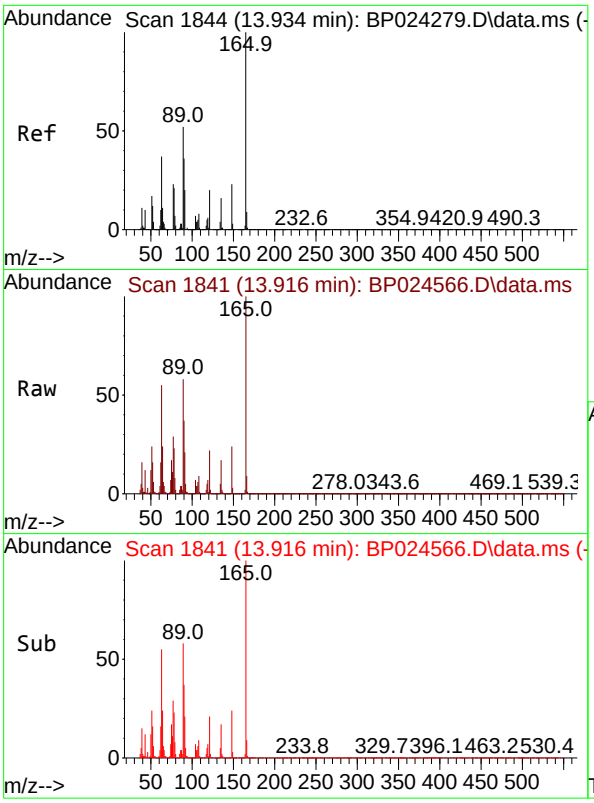


#50
Dimethylphthalate
Concen: 39.556 ng
RT: 13.792 min Scan# 1820
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:163 Resp: 1002391

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.1	8.0	12.0



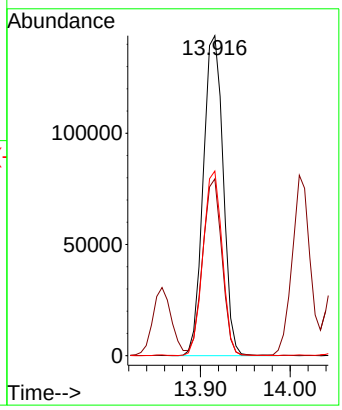


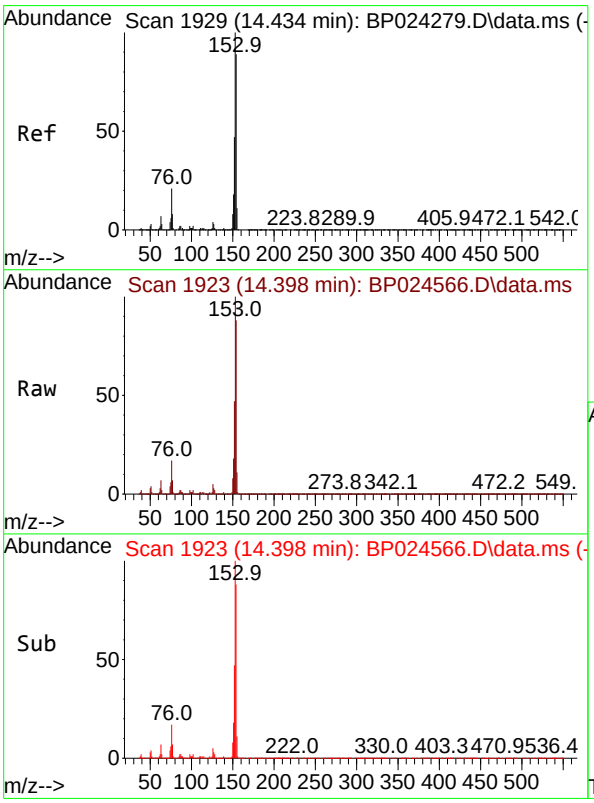
#51
2,6-Dinitrotoluene
Concen: 41.151 ng
RT: 13.916 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 221436

Ion	Ratio	Lower	Upper
165	100		
63	55.3	38.0	57.0
89	57.7	41.7	62.5

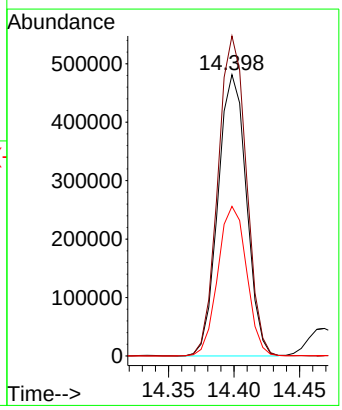


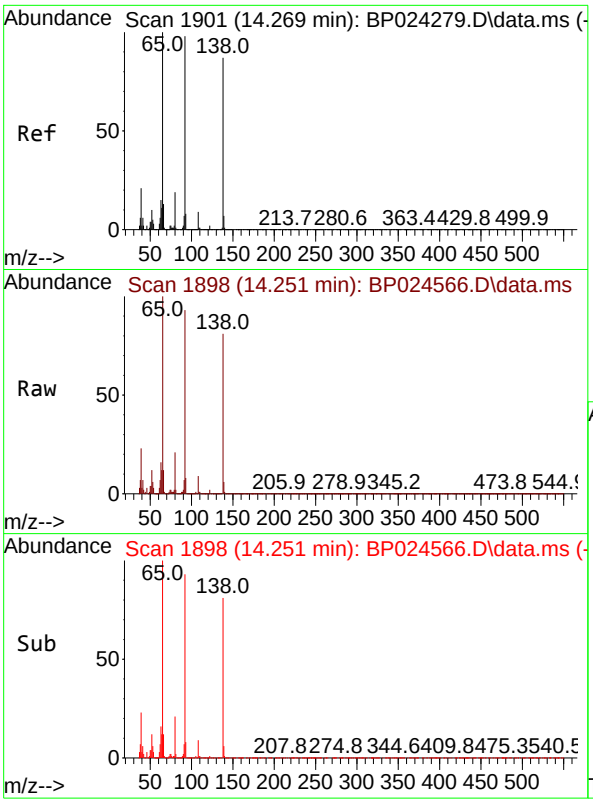


#52
Acenaphthene
Concen: 37.965 ng
RT: 14.398 min Scan# 1923
Delta R.T. -0.023 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:154 Resp: 725415

Ion	Ratio	Lower	Upper
154	100		
153	113.7	89.8	134.6
152	53.2	42.6	63.8



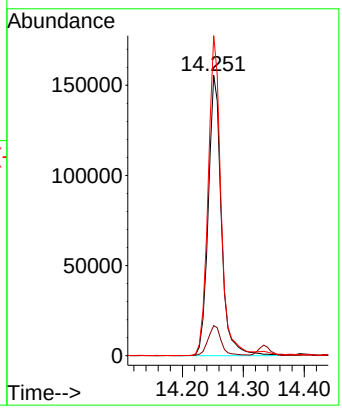


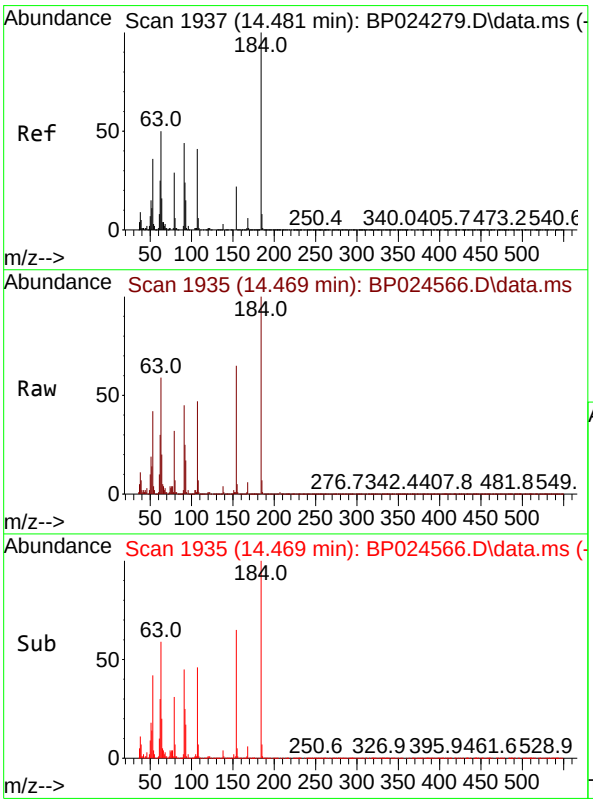
#53
3-Nitroaniline
Concen: 41.012 ng
RT: 14.251 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:138 Resp: 231947

Ion	Ratio	Lower	Upper
138	100		
108	10.7	8.3	12.5
92	114.2	89.8	134.8

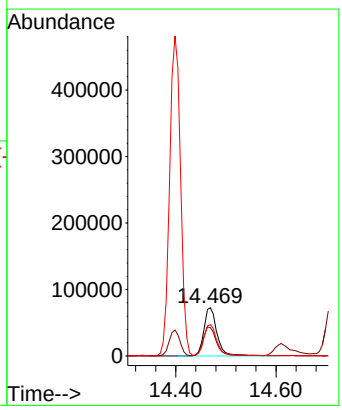


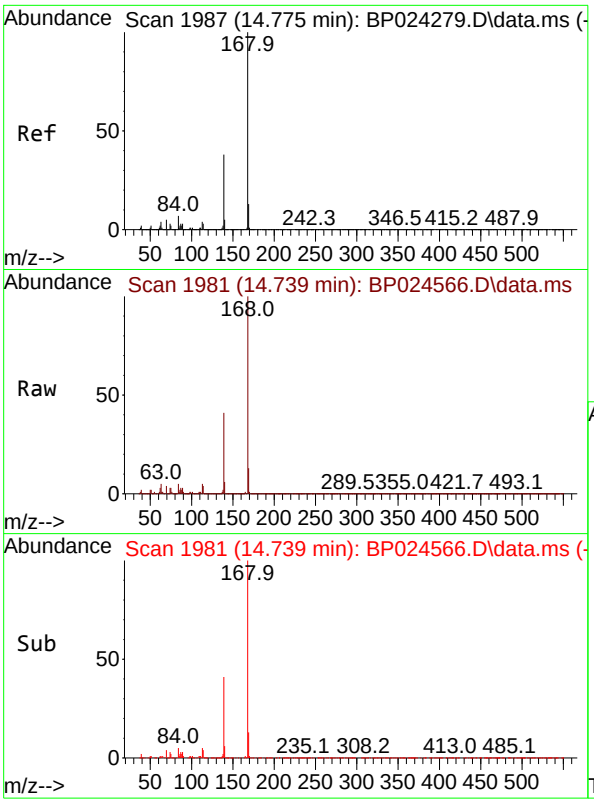


#54
2,4-Dinitrophenol
Concen: 41.885 ng
RT: 14.469 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:184 Resp: 132764

Ion	Ratio	Lower	Upper
184	100		
63	58.9	42.6	64.0
154	65.0	47.2	70.8



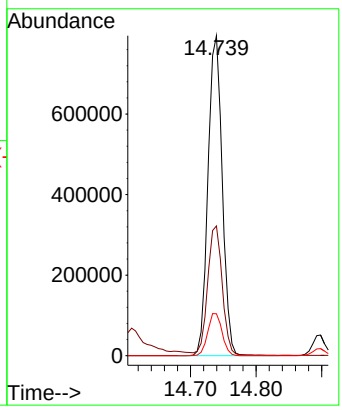


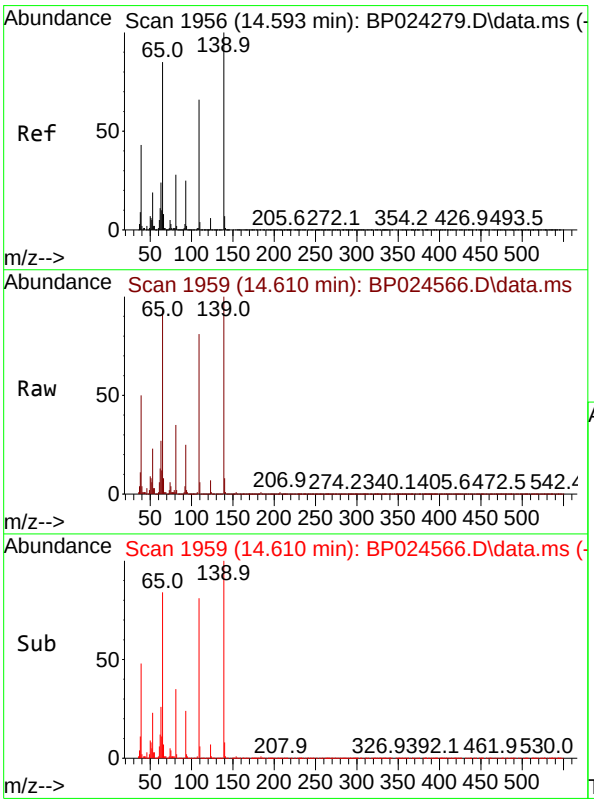
#55
Dibenzofuran
Concen: 38.268 ng
RT: 14.739 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:168 Resp: 1195227

Ion	Ratio	Lower	Upper
168	100		
139	40.5	30.3	45.5
169	13.1	10.6	16.0

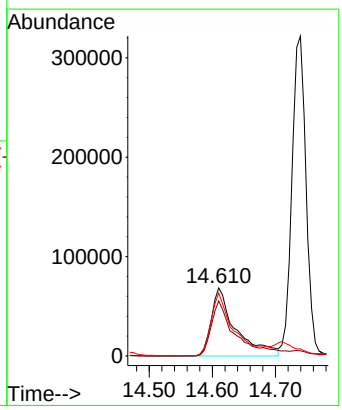


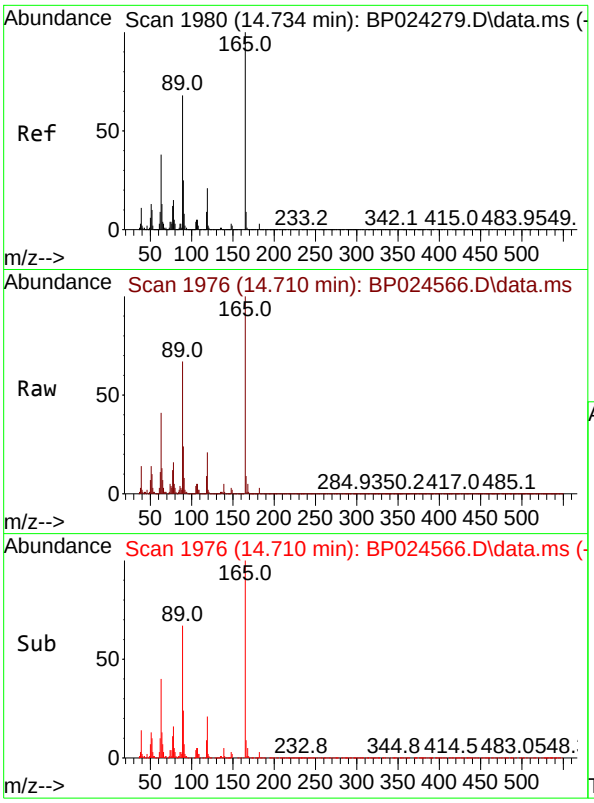


#56
4-Nitrophenol
Concen: 37.246 ng
RT: 14.610 min Scan# 1959
Delta R.T. 0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:139 Resp: 181927

Ion	Ratio	Lower	Upper
139	100		
109	80.7	46.1	86.1
65	92.8	65.0	105.0



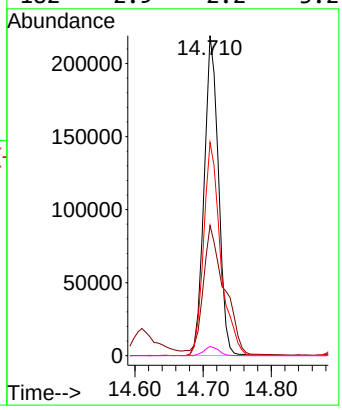


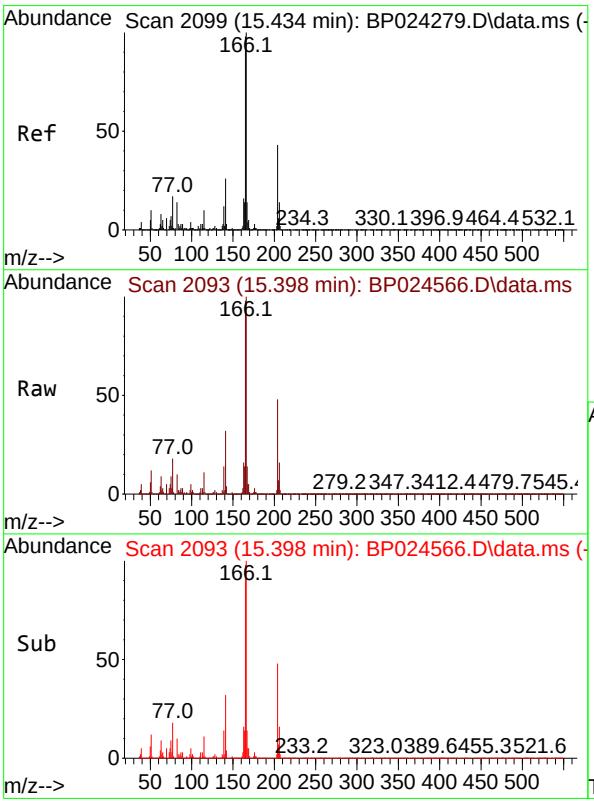
#57
2,4-Dinitrotoluene
Concen: 43.562 ng
RT: 14.710 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 319761

Ion	Ratio	Lower	Upper
165	100		
63	40.7	30.4	45.6
89	66.7	54.6	82.0
182	2.9	2.2	3.2

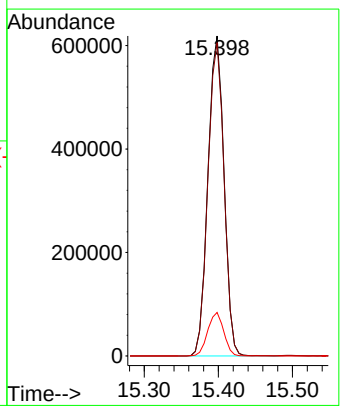


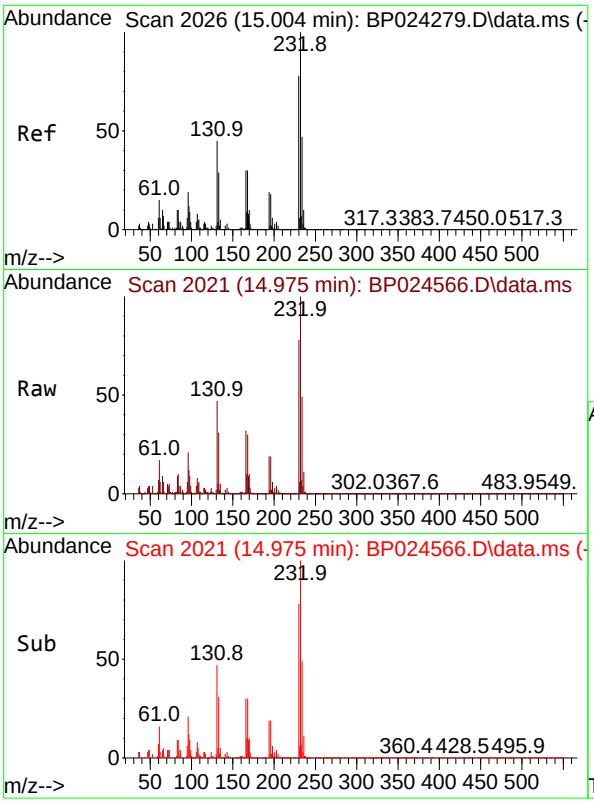


#58
Fluorene
Concen: 38.541 ng
RT: 15.398 min Scan# 2093
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:166 Resp: 931853

Ion	Ratio	Lower	Upper
166	100		
165	98.0	78.1	117.1
167	13.6	10.9	16.3



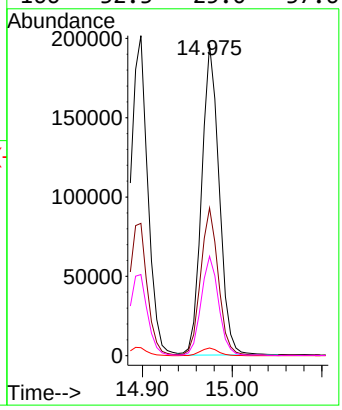


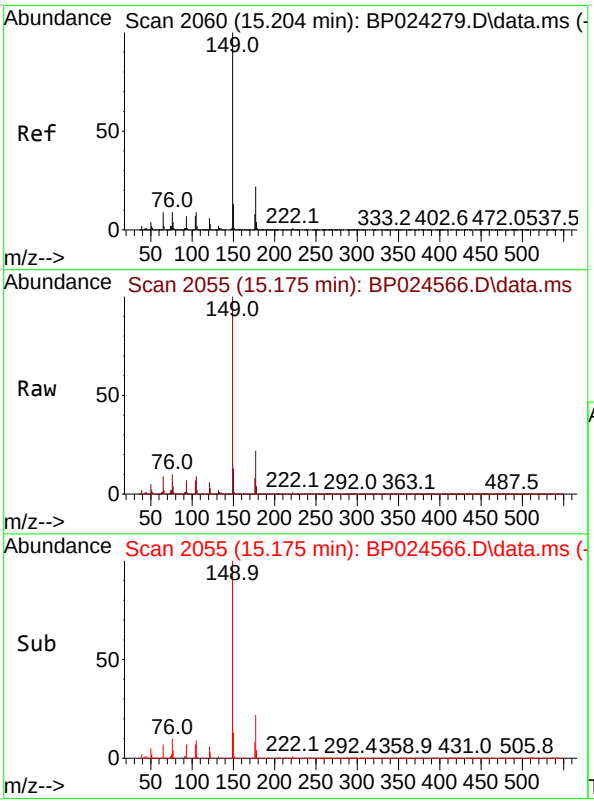
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.855 ng
RT: 14.975 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:232 Resp: 265848

Ion	Ratio	Lower	Upper
232	100		
131	47.7	36.8	55.2
130	2.5	1.9	2.9
166	32.3	25.0	37.6

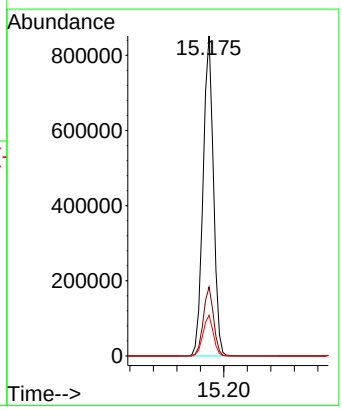


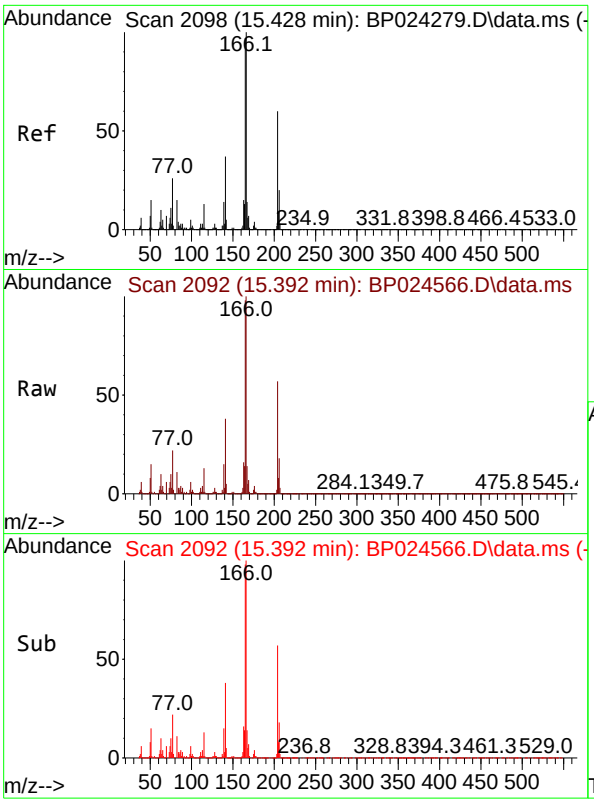


#60
Diethylphthalate
Concen: 39.959 ng
RT: 15.175 min Scan# 2055
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:149 Resp: 1043496

Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.4	26.2
150	12.7	10.1	15.1



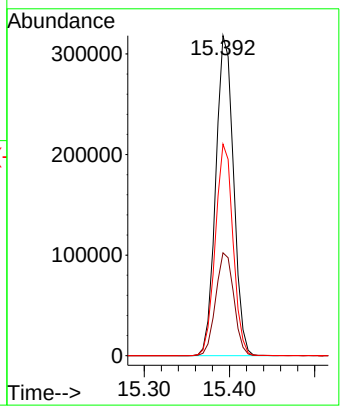


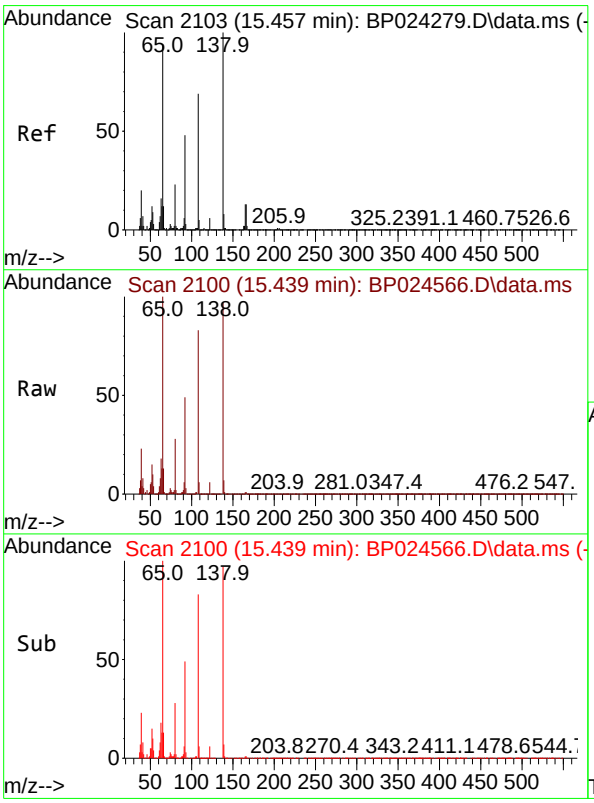
#61
4-Chlorophenyl-phenylether
Concen: 39.301 ng
RT: 15.392 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:204 Resp: 461433

Ion	Ratio	Lower	Upper
204	100		
206	32.1	26.5	39.7
141	66.1	49.4	74.0

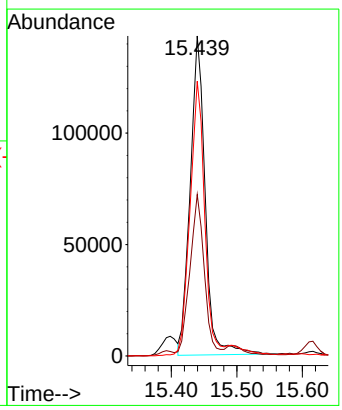


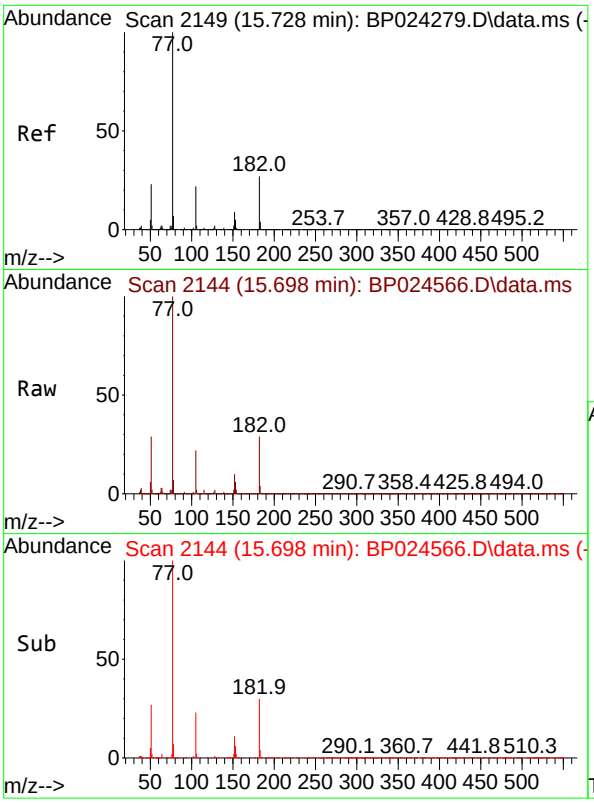


#62
4-Nitroaniline
Concen: 38.097 ng
RT: 15.439 min Scan# 2100
Delta R.T. 0.000 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:138 Resp: 228089

Ion	Ratio	Lower	Upper
138	100		
92	50.4	27.8	67.8
108	85.9	48.9	88.9



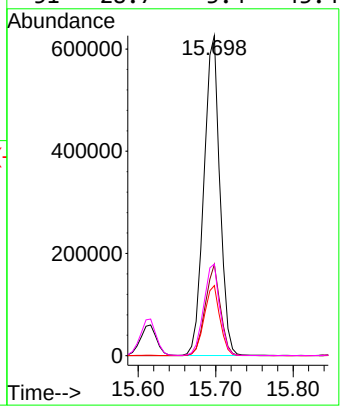


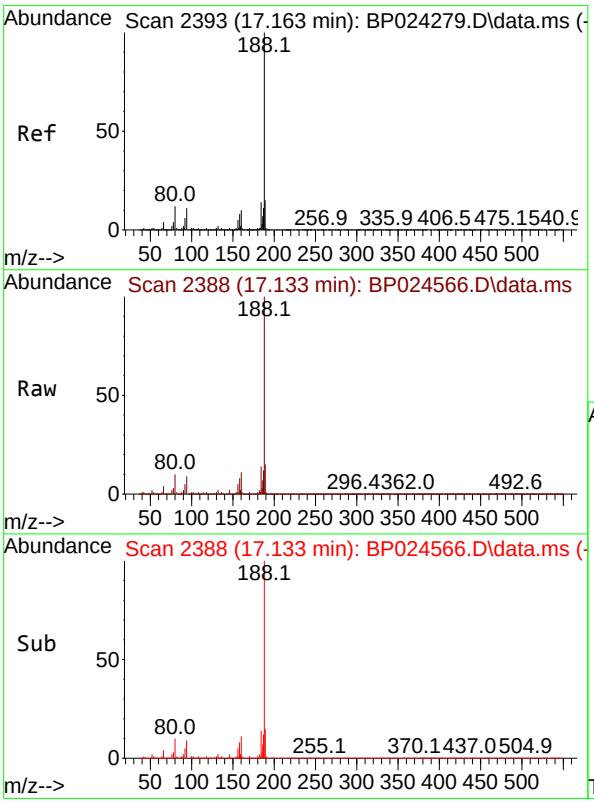
#63
Azobenzene
Concen: 37.130 ng
RT: 15.698 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 891201

Ion	Ratio	Lower	Upper
77	100		
182	28.6	7.3	47.3
105	21.9	2.3	42.3
51	28.7	3.4	43.4

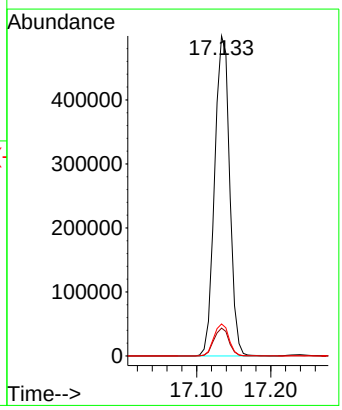


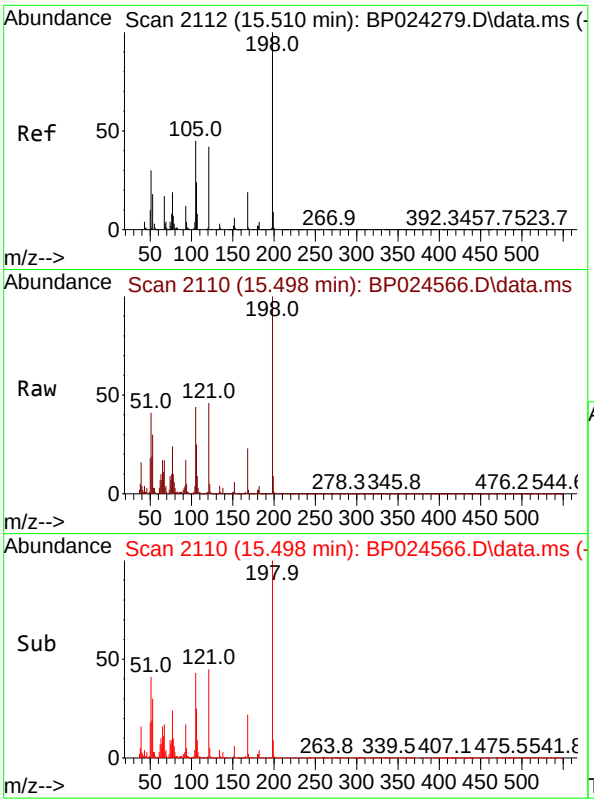


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.133 min Scan# 2388
Delta R.T. -0.012 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:188 Resp: 701754

Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.6	13.0
80	10.0	9.8	14.6



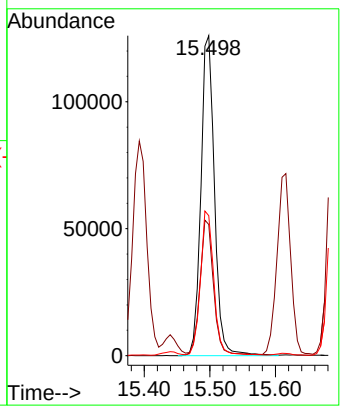


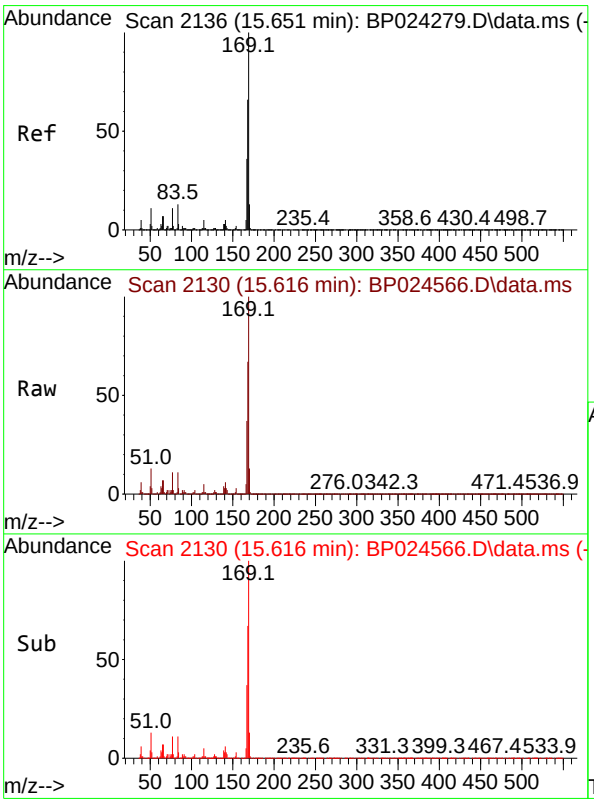
#65
4,6-Dinitro-2-methylphenol
Concen: 41.148 ng
RT: 15.498 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:198 Resp: 182050

Ion	Ratio	Lower	Upper
198	100		
51	41.0	18.4	58.4
105	43.8	26.5	66.5

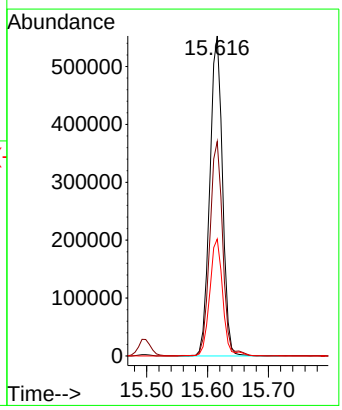


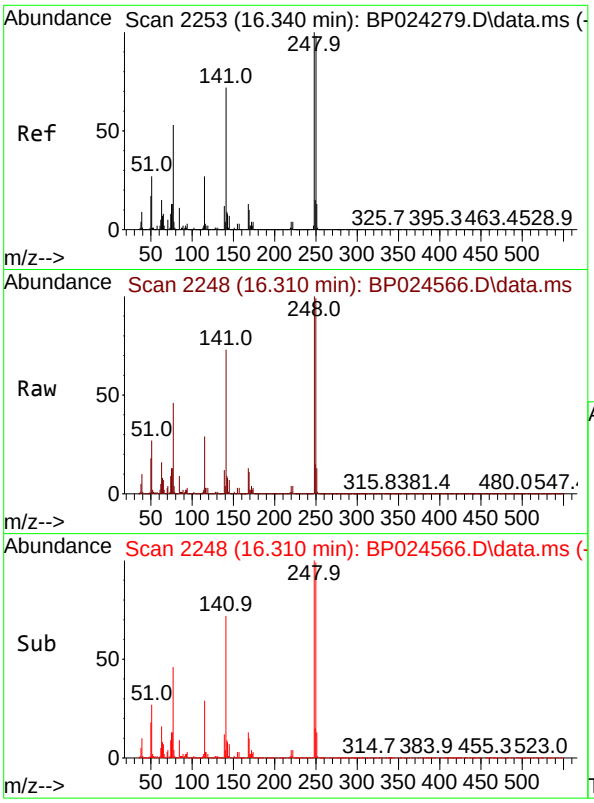


#66
n-Nitrosodiphenylamine
Concen: 38.025 ng
RT: 15.616 min Scan# 2130
Delta R.T. -0.012 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:169 Resp: 796456

Ion	Ratio	Lower	Upper
169	100		
168	67.0	53.0	79.4
167	36.5	28.9	43.3



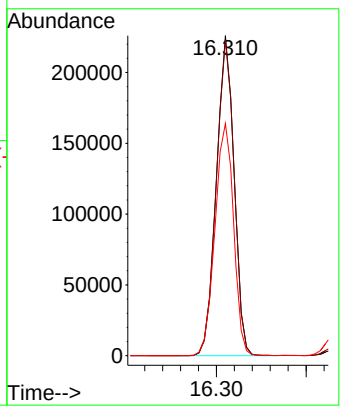


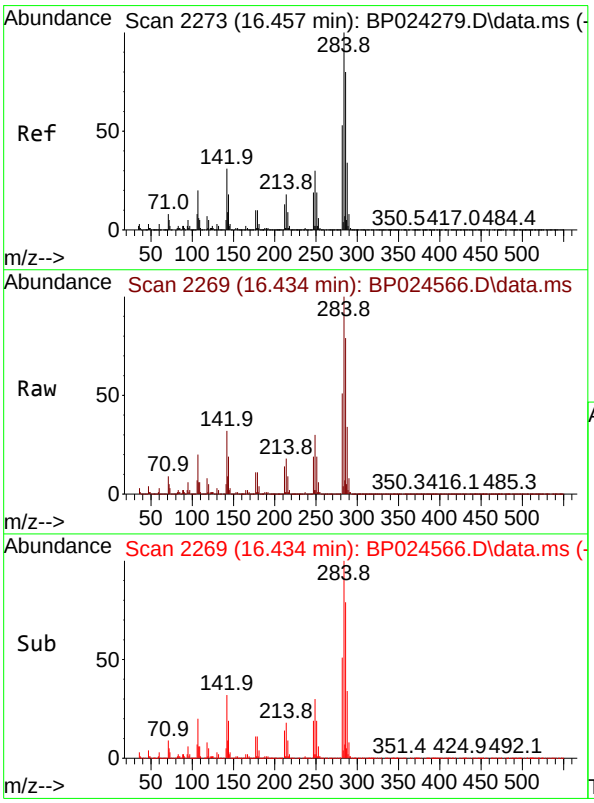
#67
4-Bromophenyl-phenylether
Concen: 40.518 ng
RT: 16.310 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:248 Resp: 310972

Ion	Ratio	Lower	Upper
248	100		
250	98.6	78.2	117.4
141	72.6	57.7	86.5

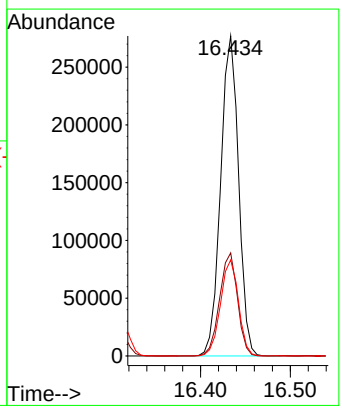


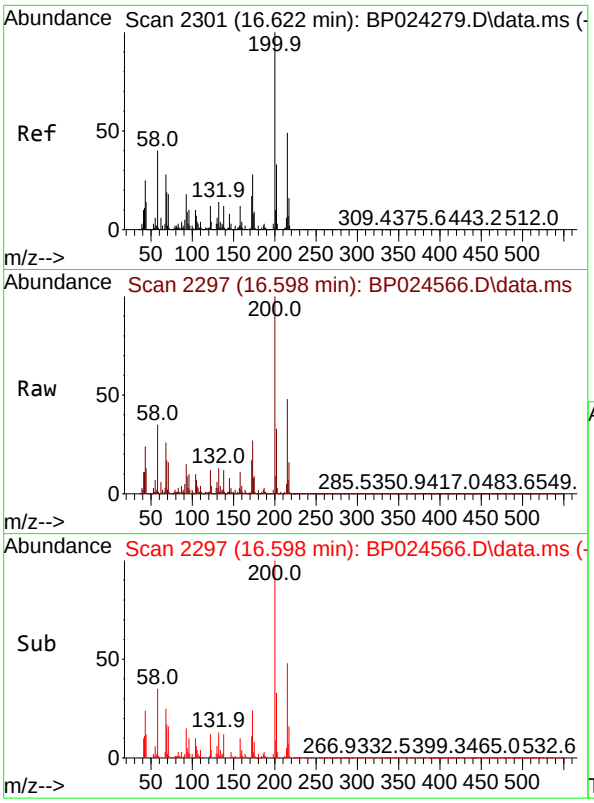


#68
Hexachlorobenzene
Concen: 42.125 ng
RT: 16.434 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:284 Resp: 384176

Ion	Ratio	Lower	Upper
284	100		
142	32.2	24.6	37.0
249	30.0	23.8	35.6



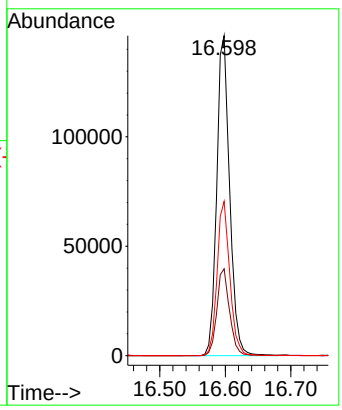


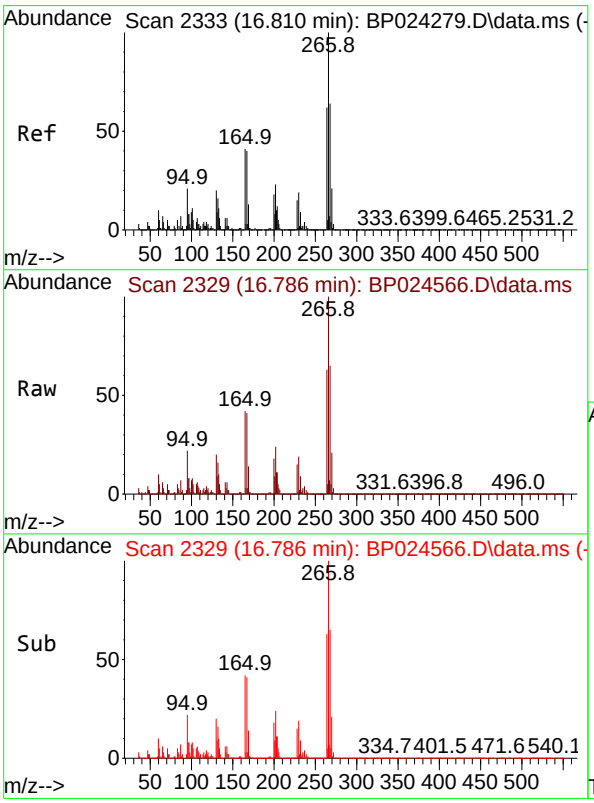
#69
Atrazine
Concen: 37.273 ng
RT: 16.598 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:200 Resp: 198839

Ion	Ratio	Lower	Upper
200	100		
173	27.1	7.5	47.5
215	48.2	28.8	68.8

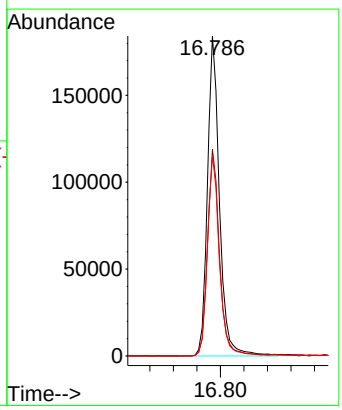


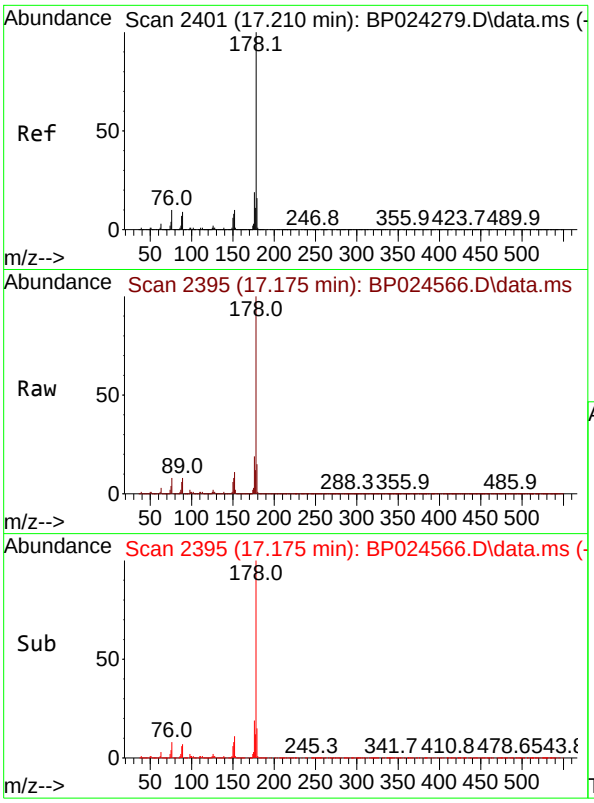


#70
Pentachlorophenol
Concen: 40.979 ng
RT: 16.786 min Scan# 2329
Delta R.T. -0.012 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:266 Resp: 260722

Ion	Ratio	Lower	Upper
266	100		
268	64.6	51.0	76.6
264	62.6	49.8	74.6



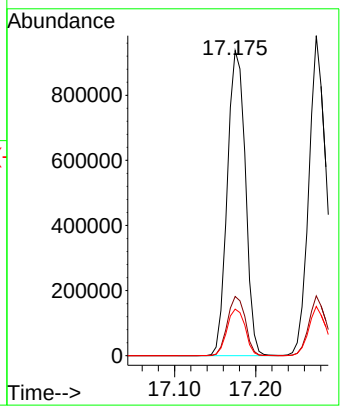


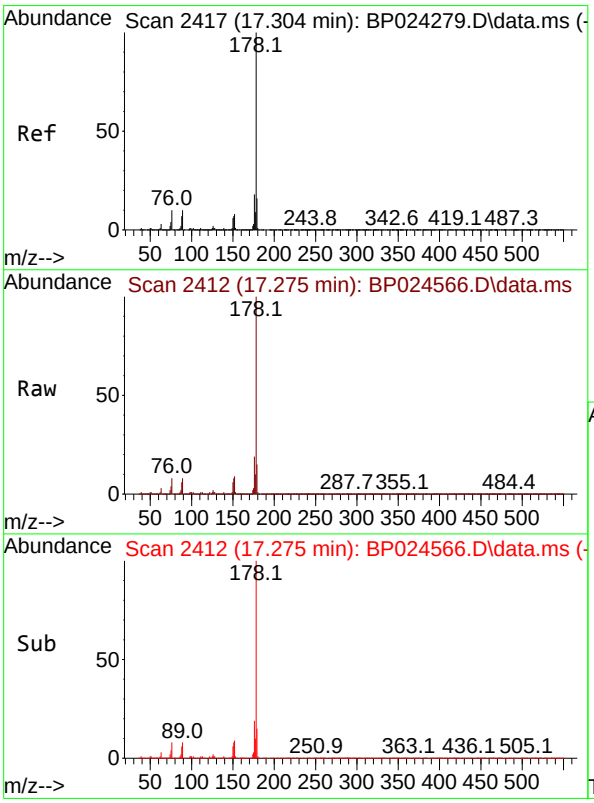
#71
Phenanthrene
Concen: 37.789 ng
RT: 17.175 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:178 Resp: 1446648

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.2	12.5	18.7

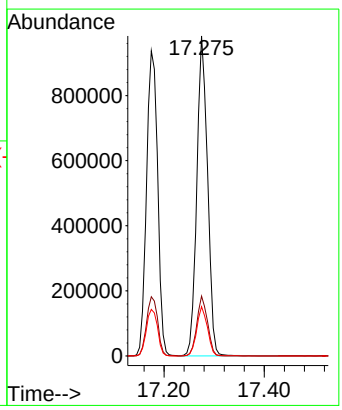


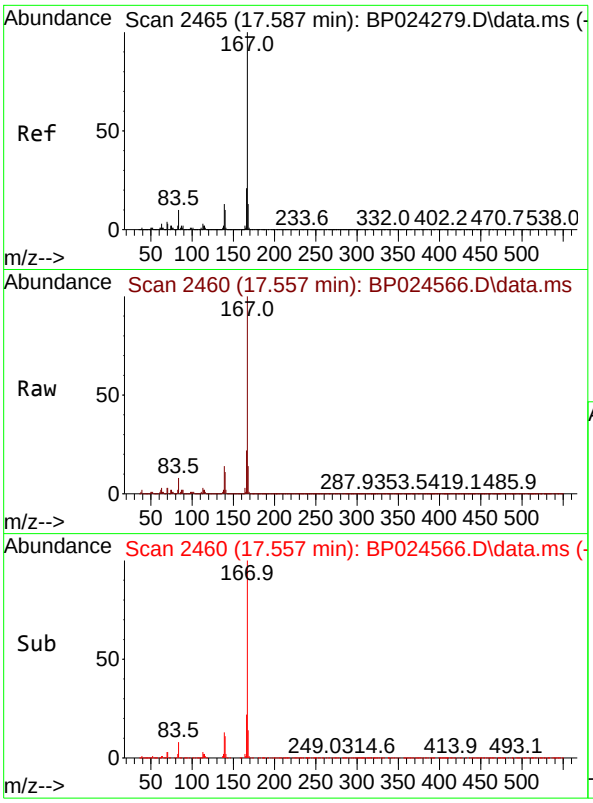


#72
Anthracene
Concen: 39.545 ng
RT: 17.275 min Scan# 2412
Delta R.T. -0.012 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:178 Resp: 1459070

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.7	22.1
179	15.4	12.4	18.6



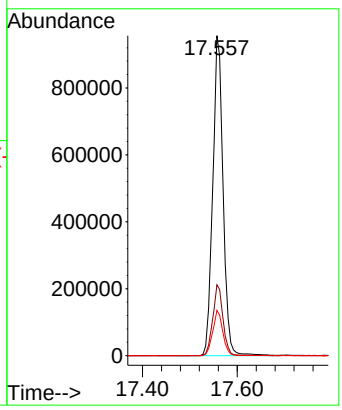


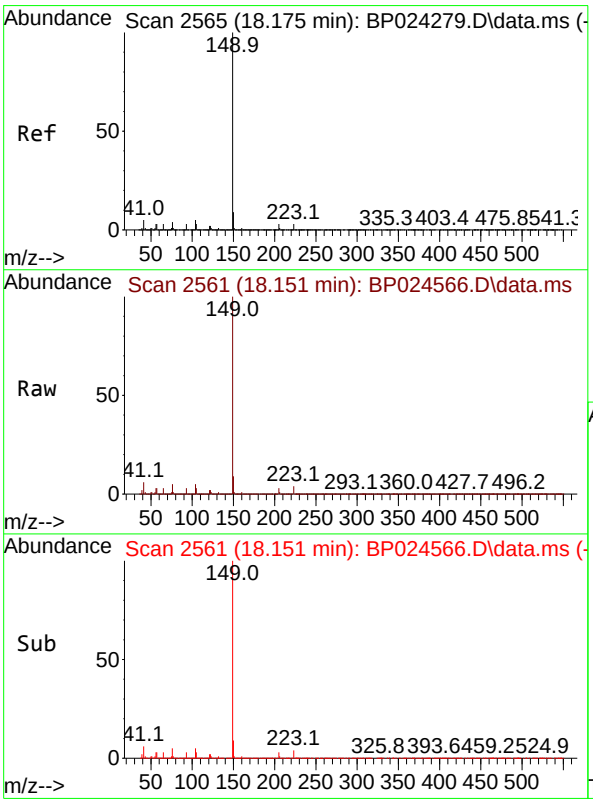
#73
Carbazole
Concen: 40.230 ng
RT: 17.557 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:167 Resp: 1450351

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.1	25.7
139	14.2	10.6	16.0

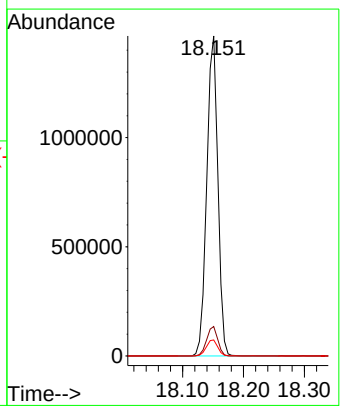


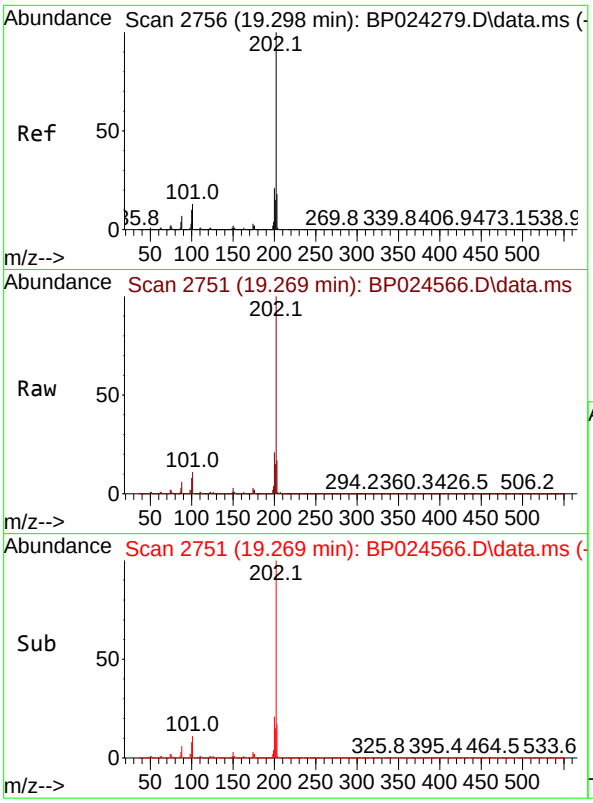


#74
Di-n-butylphthalate
Concen: 41.324 ng
RT: 18.151 min Scan# 2561
Delta R.T. -0.006 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:149 Resp: 1856049

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	5.0	3.9	5.9



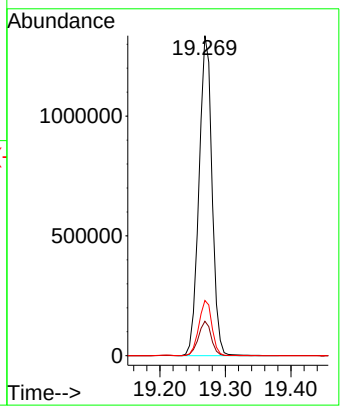


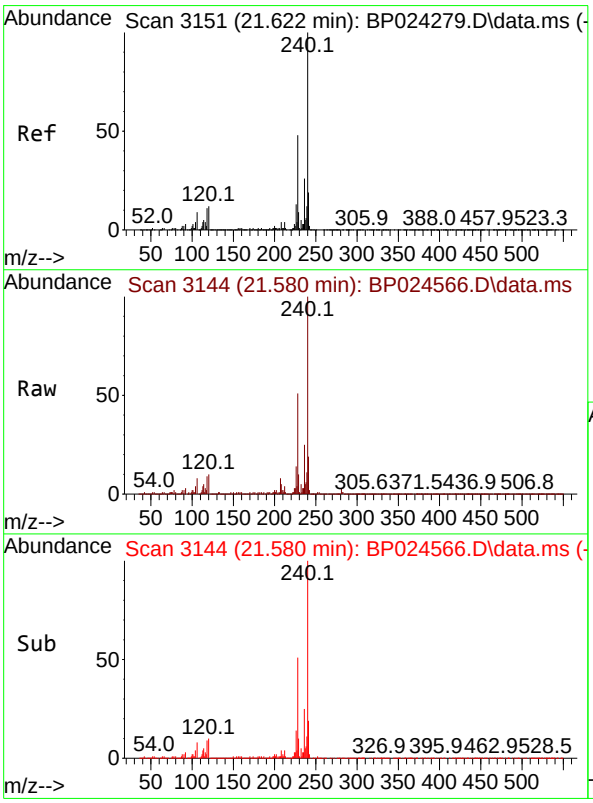
#75
Fluoranthene
Concen: 40.497 ng
RT: 19.269 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:202 Resp: 1843847

Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	33.2
203	17.2	0.0	37.7

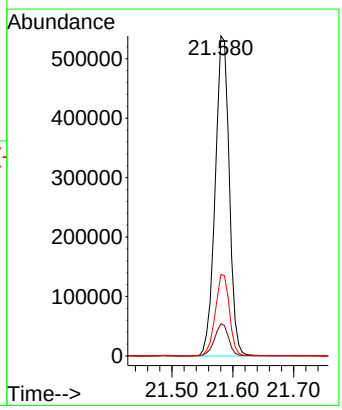


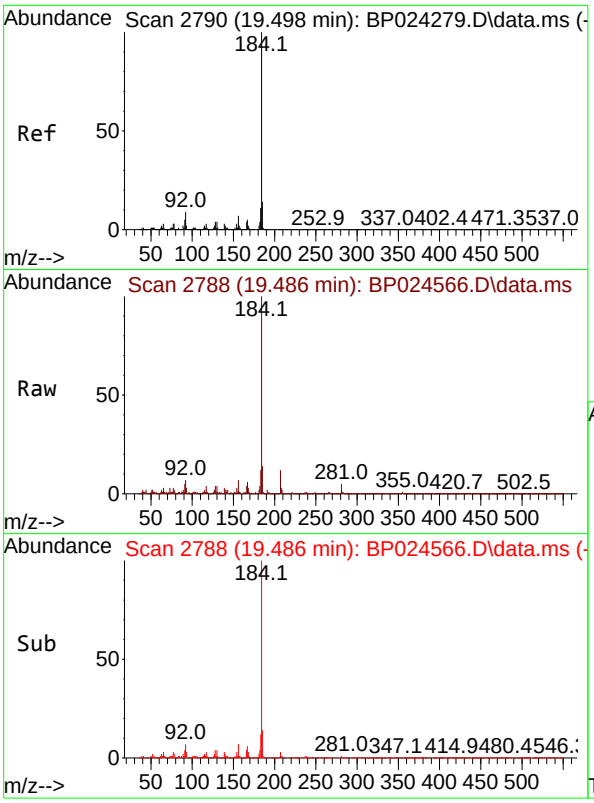


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.580 min Scan# 3144
Delta R.T. -0.012 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:240 Resp: 862550

Ion	Ratio	Lower	Upper
240	100		
120	10.1	9.8	14.8
236	25.5	20.9	31.3



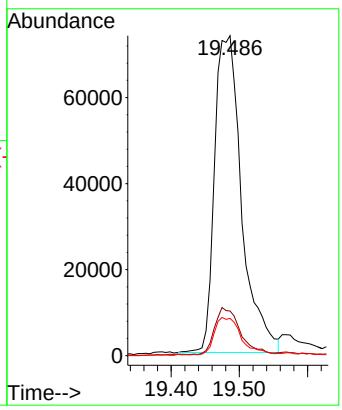


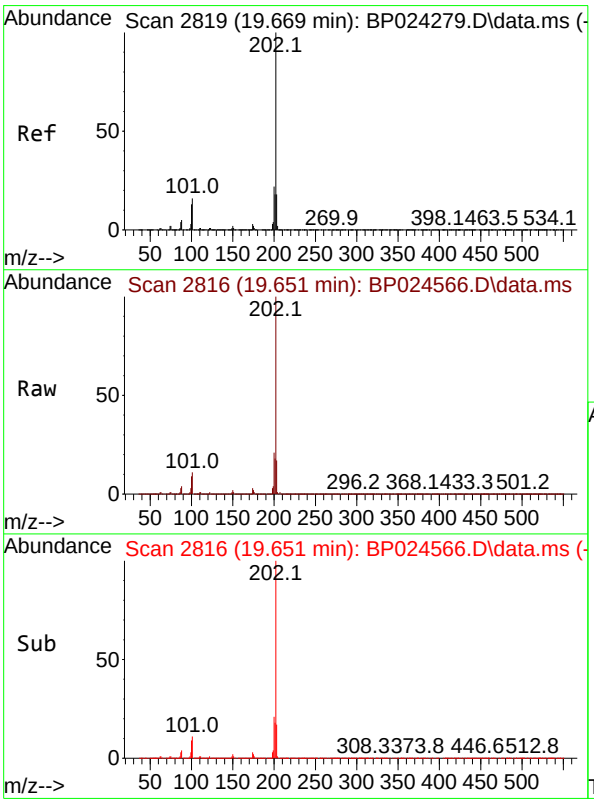
#77
Benzidine
Concen: 18.597 ng
RT: 19.486 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:184 Resp: 203326

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.6	17.4
183	11.7	9.2	13.8

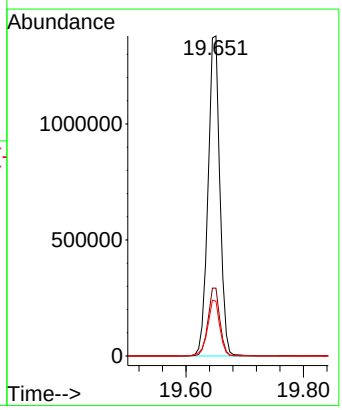


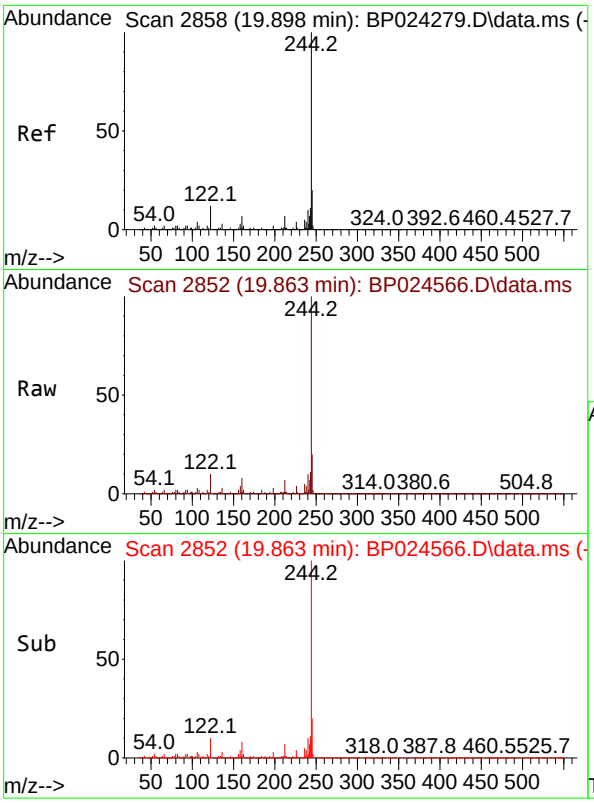


#78
Pyrene
Concen: 35.082 ng
RT: 19.651 min Scan# 2816
Delta R.T. 0.000 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:202 Resp: 1923076

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.2	25.8
203	17.1	14.4	21.6



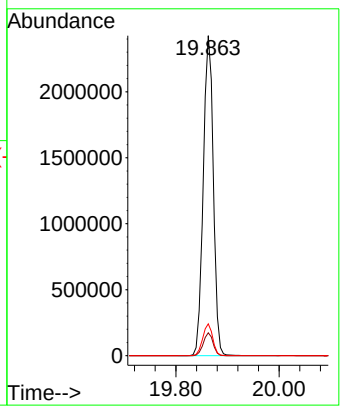


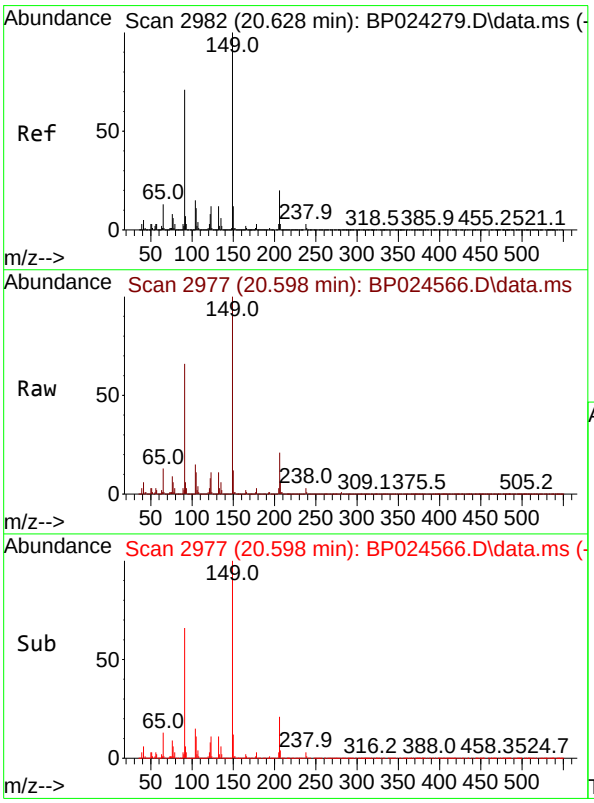
#79
Terphenyl-d14
Concen: 76.605 ng
RT: 19.863 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:244 Resp: 3278159

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	9.9	9.4	14.0

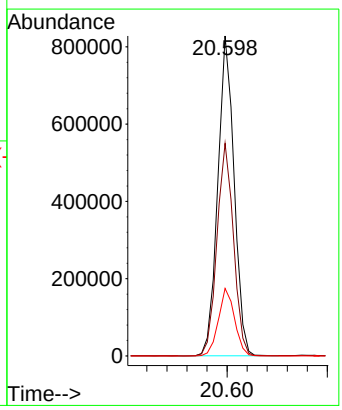


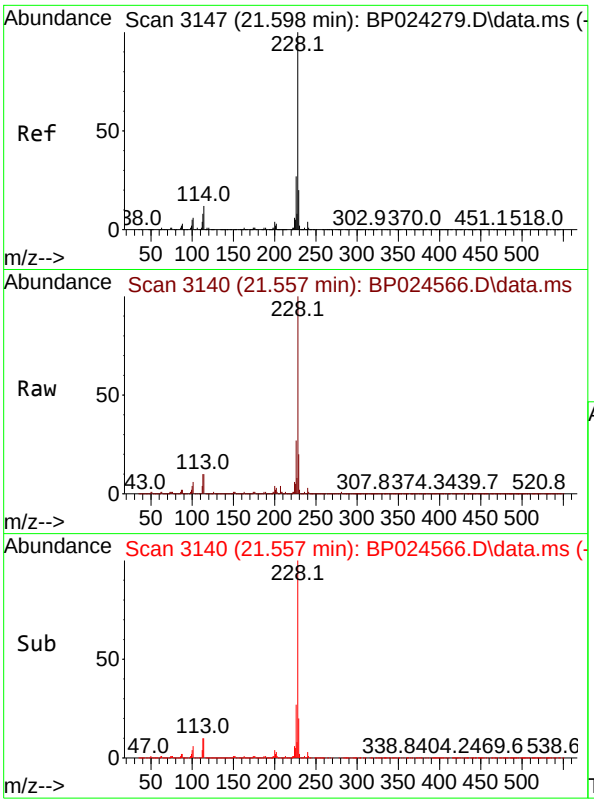


#80
Butylbenzylphthalate
Concen: 39.709 ng
RT: 20.598 min Scan# 2977
Delta R.T. -0.006 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:149 Resp: 932320

Ion	Ratio	Lower	Upper
149	100		
91	66.4	56.4	84.6
206	21.1	16.3	24.5



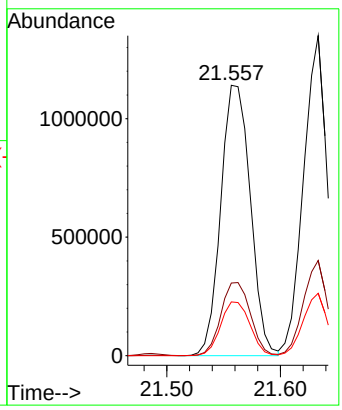


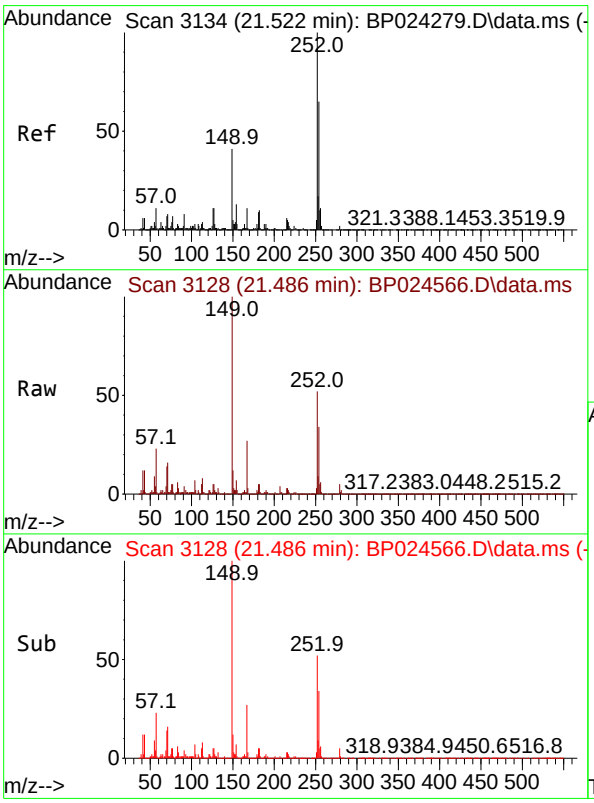
#81
Benzo(a)anthracene
Concen: 38.587 ng
RT: 21.557 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 2068763

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.8	32.8
229	19.9	15.9	23.9

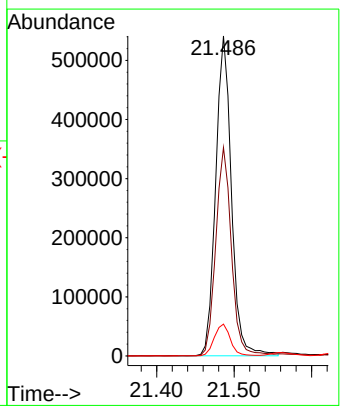


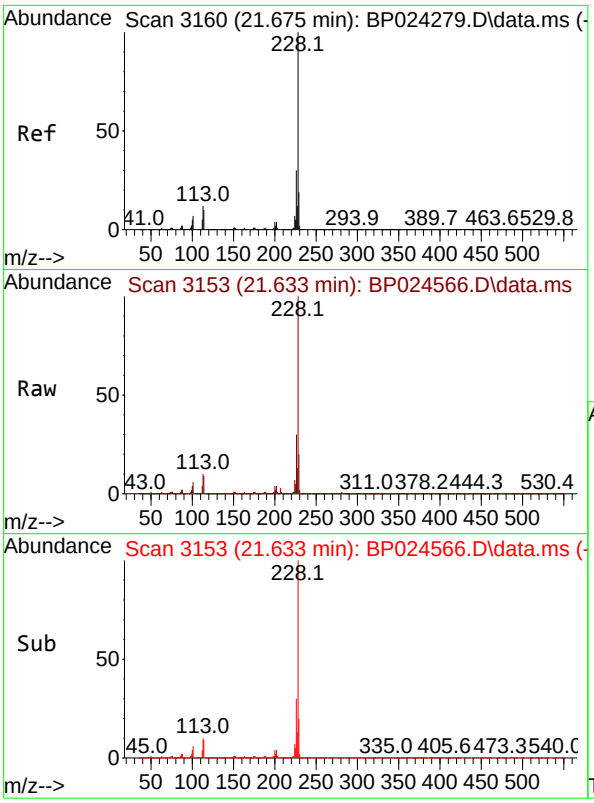


#82
3,3'-Dichlorobenzidine
Concen: 40.811 ng
RT: 21.486 min Scan# 3128
Delta R.T. -0.006 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:252 Resp: 767952

Ion	Ratio	Lower	Upper
252	100		
254	65.1	51.7	77.5
126	10.0	8.8	13.2



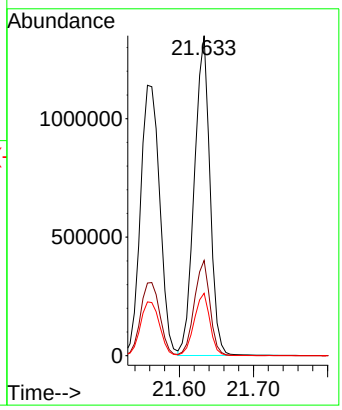


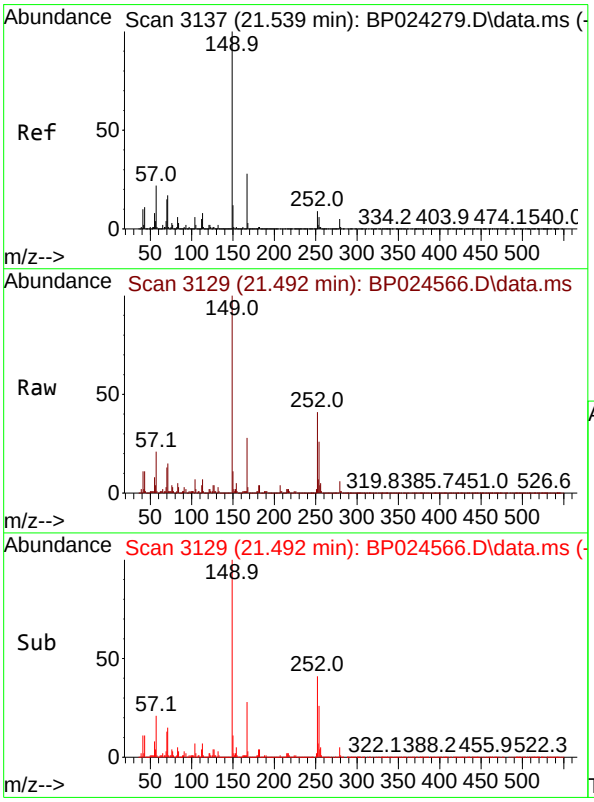
#83
Chrysene
Concen: 38.329 ng
RT: 21.633 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 1968699

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.2	36.2
229	19.5	15.6	23.4

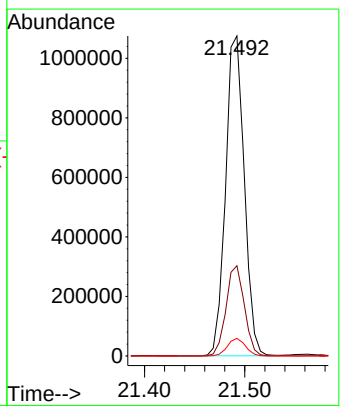


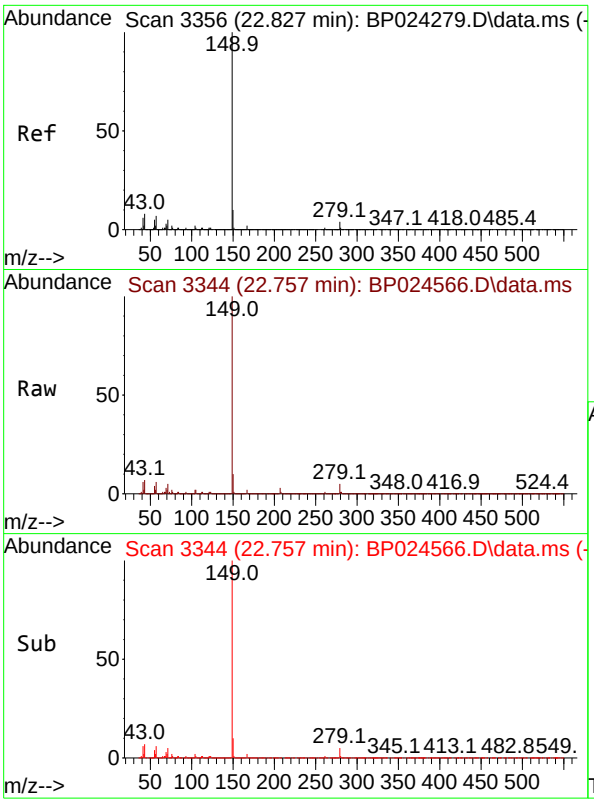


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.383 ng
RT: 21.492 min Scan# 3129
Delta R.T. -0.018 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:149 Resp: 1389970

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.4	33.6
279	5.5	4.0	6.0



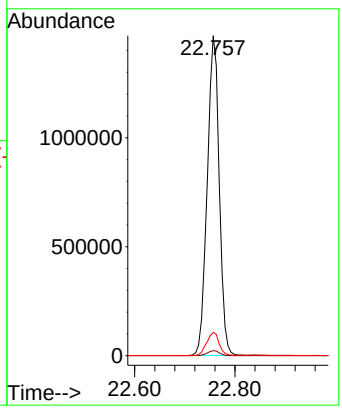


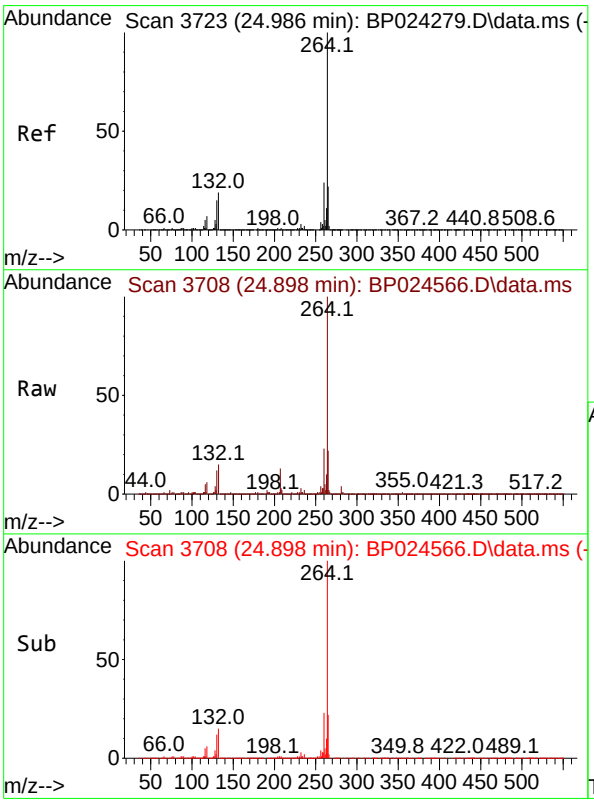
#85
Di-n-octyl phthalate
Concen: 43.660 ng
RT: 22.757 min Scan# 3
Delta R.T. -0.029 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:149 Resp: 2443057

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	7.6	6.0	9.0

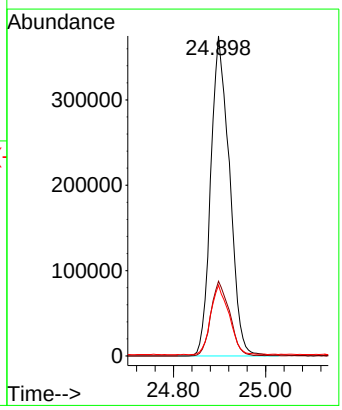


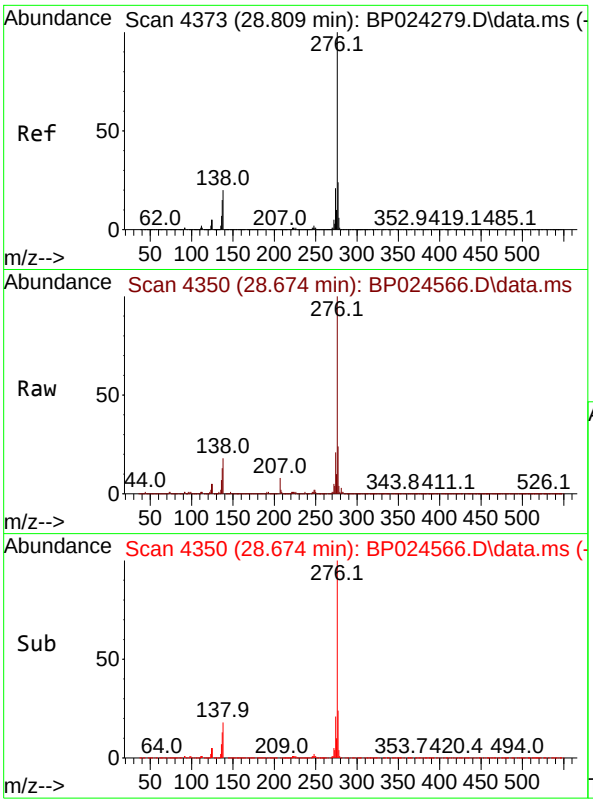


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.898 min Scan# 3708
Delta R.T. -0.035 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:264 Resp: 1057764

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.9	28.3
265	22.1	17.8	26.6



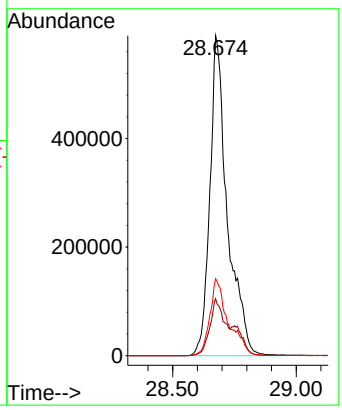


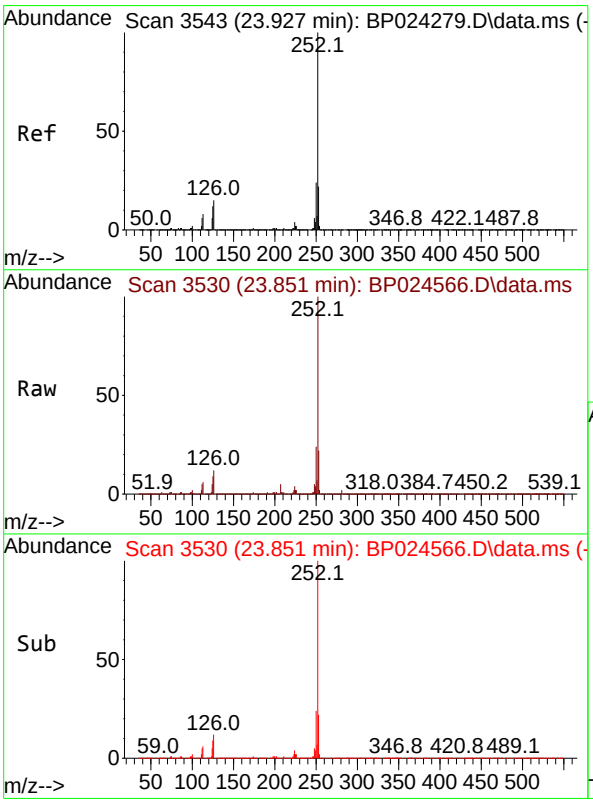
#87
Indeno(1,2,3-cd)pyrene
Concen: 39.490 ng
RT: 28.674 min Scan# 4
Delta R.T. -0.065 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:276 Resp: 2899918

Ion	Ratio	Lower	Upper
276	100		
138	15.1	14.5	21.7
277	25.5	20.2	30.2

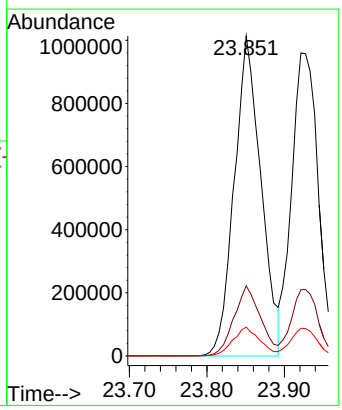


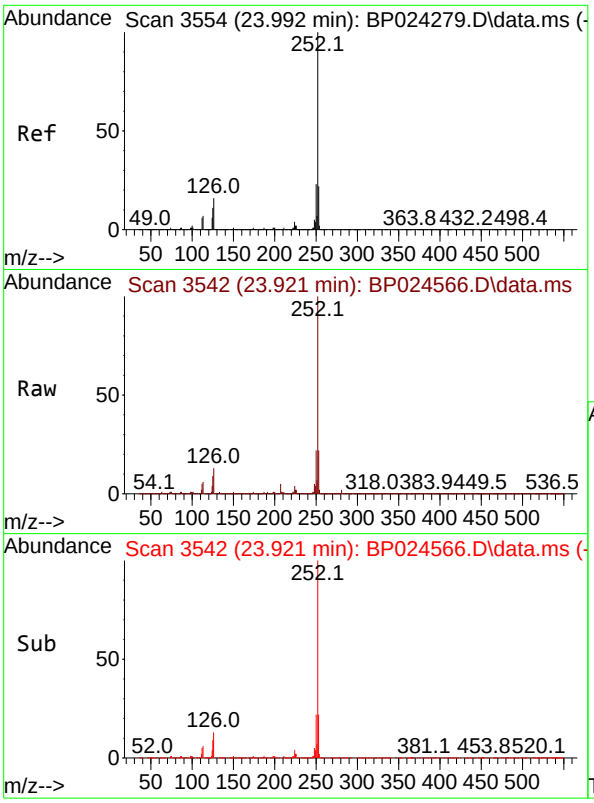


#88
Benzo(b)fluoranthene
Concen: 38.267 ng
RT: 23.851 min Scan# 3530
Delta R.T. -0.035 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:252 Resp: 2426256

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	9.0	9.4	14.0#



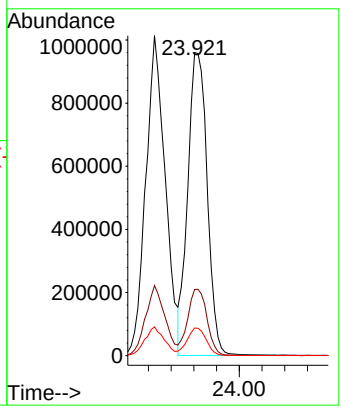


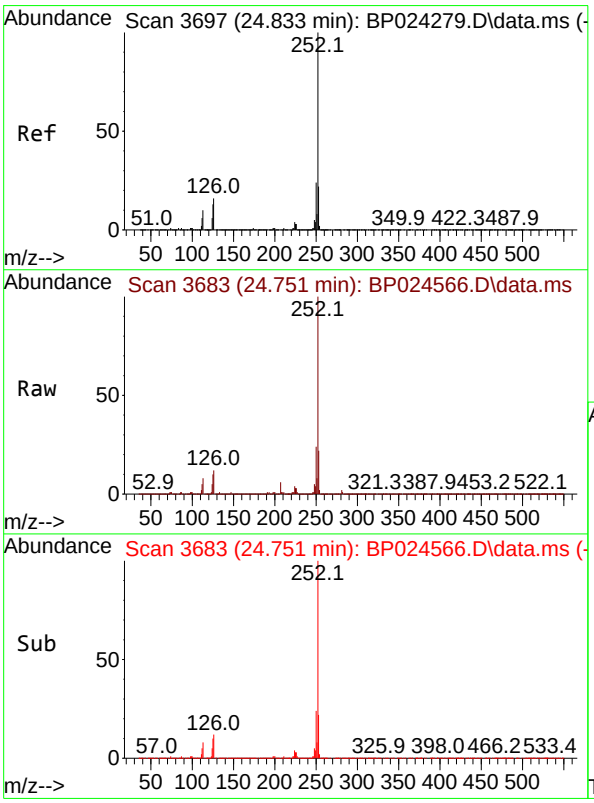
#89
Benzo(k)fluoranthene
Concen: 37.277 ng
RT: 23.921 min Scan# 3
Delta R.T. -0.035 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:252 Resp: 2282969

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	9.1	9.1	13.7

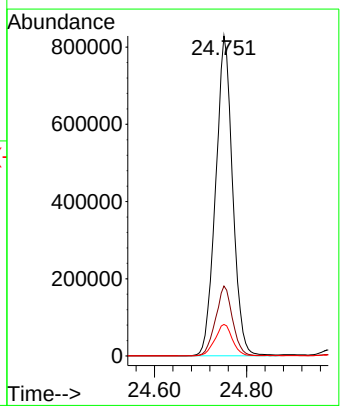


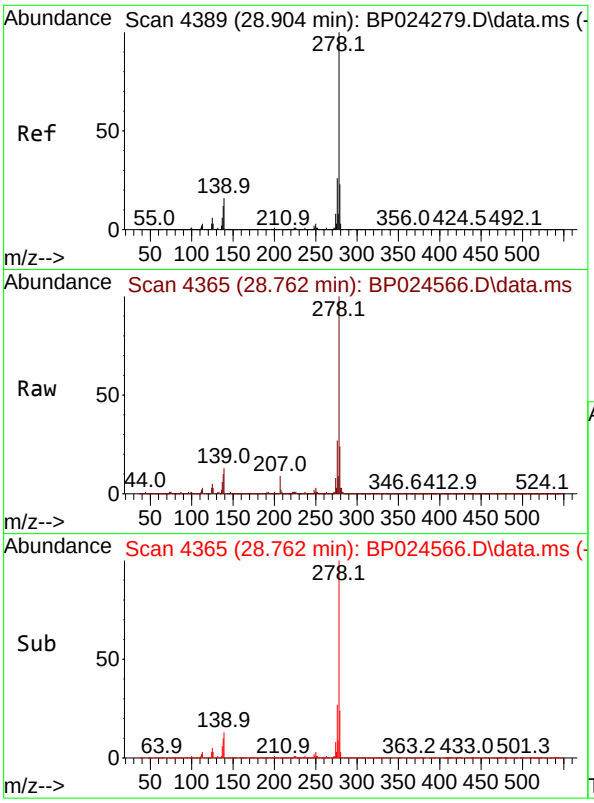


#90
Benzo(a)pyrene
Concen: 38.673 ng
RT: 24.751 min Scan# 3683
Delta R.T. -0.029 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:252 Resp: 2115084

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	9.9	10.1	15.1#



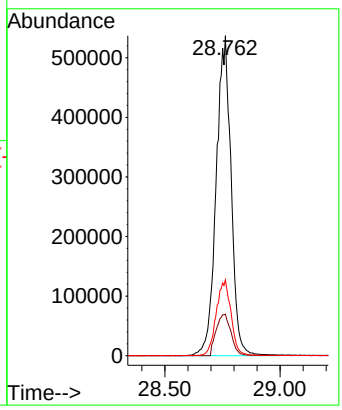


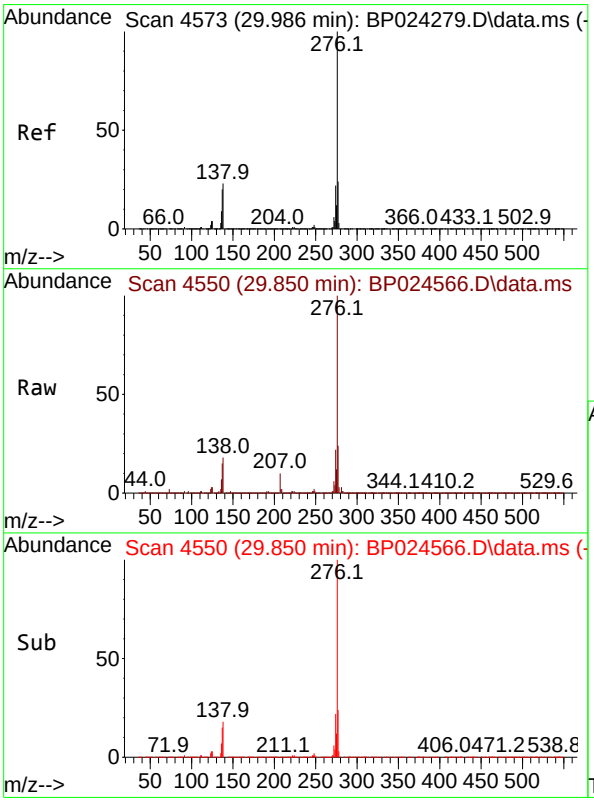
#91
Dibenzo(a,h)anthracene
Concen: 39.511 ng
RT: 28.762 min Scan# 4
Delta R.T. -0.041 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040EC

Tgt Ion:278 Resp: 2408286

Ion	Ratio	Lower	Upper
278	100		
139	13.0	12.6	19.0
279	23.7	18.5	27.7





#92
Benzo(g,h,i)perylene
Concen: 39.052 ng
RT: 29.850 min Scan# 4550
Delta R.T. -0.047 min
Lab File: BP024566.D
Acq: 07 May 2025 16:43

Tgt Ion:276 Resp: 2422819

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.9	28.3
138	17.5	18.7	28.1#