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Cover Page

Order ID : Q1744

Project ID : Amtrak Sawtooth Bridges 2025

Client : Portal Partners Tri-Venture

Lab Sample Number	Client Sample Number
Q1744-01	B-158-SB01
Q1744-02	B-158-SB01
Q1744-03	B-158-SB02
Q1744-04	B-158-SB02

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

Signature : _____

Date: 4/15/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2025
Project # N/A
Chemtech Project # Q1744
Test Name: TCLP BNA

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 04/07/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Corrosivity, EPH, Hexavalent Chromium, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, PCB, pH, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, TPH GC, Trivalent Chromium and VOC-TCLVOA-10. This data package contains results for TCLP BNA.

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

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria except for PB167537BS [2,4,6-Tribromophenol - 111%], B-158-SB01 [2,4,6-Tribromophenol - 112%], IB-1.5-WCMS [2,4,6-Tribromophenol - 133%], IB-1.5-WCMSD [2,4 and6-Tribromophenol - 119%], these compounds did not meet the NJDKQP criteria but met the in-house criteria.
The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS {Q1748-04MS} with File ID: BP024265.D recoveries met the requirements for all compounds except for 2,4-Dinitrotoluene[132%], this compound did not meet the NJDKQP criteria but met the in-house criteria .

The MSD recoveries met the acceptable requirements .

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The RPD for {Q1748-04MSD} with File ID: BP024266.D met criteria except for Pyridine[23%], this compound did not meet the NJDKQP criteria and in-house criteria but due to difference in results of MS and MSD.

The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

E. Additional Comments:
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.
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 <15% 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 > 15% 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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q1744**

	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: **MAYUR DESAI** **Date:** **04/15/2025**

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LAB CHRONICLE

OrderID:	Q1744	**OrderDate:**	4/7/2025 11:34:00 AM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1744-02	**B-158-SB01**	**TCLP**			**04/05/25**			**04/07/25**
			TCLP BNA	8270E		04/09/25	04/11/25	
Q1744-04	**B-158-SB02**	**TCLP**			**04/05/25**			**04/07/25**
			TCLP BNA	8270E		04/09/25	04/11/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1744

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	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.: Q1744

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167517TB	PB167517TB	2-Fluorophenol	150	163	108		15 (10)	110 (139)
		Phenol-d6	150	154	103		15 (10)	110 (134)
		Nitrobenzene-d5	100	106	106		30 (49)	130 (133)
		2-Fluorobiphenyl	100	100	100		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	167	112	*	15 (44)	110 (137)
		Terphenyl-d14	100	111	111		30 (48)	130 (125)
PB167537BL	PB167537BL	2-Fluorophenol	150	154	103		15 (10)	110 (139)
		Phenol-d6	150	142	95		15 (10)	110 (134)
		Nitrobenzene-d5	100	102	102		30 (49)	130 (133)
		2-Fluorobiphenyl	100	100	100		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	163	109		15 (44)	110 (137)
		Terphenyl-d14	100	107	107		30 (48)	130 (125)
PB167537BS	PB167537BS	2-Fluorophenol	150	155	104		15 (10)	110 (139)
		Phenol-d6	150	146	97		15 (10)	110 (134)
		Nitrobenzene-d5	100	102	102		30 (49)	130 (133)
		2-Fluorobiphenyl	100	94.7	95		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	167	111	*	15 (44)	110 (137)
		Terphenyl-d14	100	103	103		30 (48)	130 (125)
Q1744-02	B-158-SB01	2-Fluorophenol	150	134	89		15 (10)	110 (139)
		Phenol-d6	150	116	77		15 (10)	110 (134)
		Nitrobenzene-d5	100	100	100		30 (49)	130 (133)
		2-Fluorobiphenyl	100	93.1	93		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	168	112	*	15 (44)	110 (137)
		Terphenyl-d14	100	98.6	99		30 (48)	130 (125)
Q1744-04	B-158-SB02	2-Fluorophenol	150	132	88		15 (10)	110 (139)
		Phenol-d6	150	113	76		15 (10)	110 (134)
		Nitrobenzene-d5	100	101	101		30 (49)	130 (133)
		2-Fluorobiphenyl	100	96.4	96		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	158	105		15 (44)	110 (137)
		Terphenyl-d14	100	101	101		30 (48)	130 (125)
Q1748-04MS	IB-1.5-WCMS	2-Fluorophenol	150	160	106		15 (10)	110 (139)
		Phenol-d6	150	150	100		15 (10)	110 (134)
		Nitrobenzene-d5	100	108	108		30 (49)	130 (133)
		2-Fluorobiphenyl	100	95.4	95		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	199	133	*	15 (44)	110 (137)
		Terphenyl-d14	100	105	105		30 (48)	130 (125)
Q1748-04MSD	IB-1.5-WCMSD	2-Fluorophenol	150	144	96		15 (10)	110 (139)
		Phenol-d6	150	130	87		15 (10)	110 (134)
		Nitrobenzene-d5	100	103	103		30 (49)	130 (133)
		2-Fluorobiphenyl	100	93.9	94		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	179	119	*	15 (44)	110 (137)
		Terphenyl-d14	100	107	107		30 (48)	130 (125)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1744

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1748-04MS		**Client Sample ID: IB-1.5-WCMS**						**DataFile:**	**BP024265.D**		
Pyridine	500	0	540	ug/L	108				20 (10)	160 (109)	
1,4-Dichlorobenzene	500	0	430	ug/L	86				70 (55)	130 (125)	
2-Methylphenol	500	0	550	ug/L	110				70 (60)	130 (131)	
3+4-Methylphenols	500	0	560	ug/L	112				20 (54)	160 (136)	
Hexachloroethane	500	0	420	ug/L	84				20 (19)	160 (146)	
Nitrobenzene	500	0	490	ug/L	98				70 (62)	130 (112)	
Hexachlorobutadiene	500	0	430	ug/L	86				70 (52)	130 (125)	
2,4,6-Trichlorophenol	500	0	530	ug/L	106				70 (78)	130 (112)	
2,4,5-Trichlorophenol	500	0	570	ug/L	114				70 (71)	130 (111)	
2,4-Dinitrotoluene	500	0	660	ug/L	132	*			70 (74)	130 (137)	
Hexachlorobenzene	500	0	490	ug/L	98				70 (72)	130 (115)	
Pentachlorophenol	1000	0	1100	ug/L	110				20 (52)	160 (162)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1744

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1748-04MSD		**Client Sample ID:** IB-1.5-WCMSD						**DataFile:**	BP024266.D		
Pyridine	500	0	430	ug/L	86		23	*	20 (10)	160 (109)	20 (20)
1,4-Dichlorobenzene	500	0	400	ug/L	80		7		70 (55)	130 (125)	20 (20)
2-Methylphenol	500	0	490	ug/L	98		12		70 (60)	130 (131)	20 (20)
3+4-Methylphenols	500	0	480	ug/L	96		15		20 (54)	160 (136)	20 (20)
Hexachloroethane	500	0	410	ug/L	82		2		20 (19)	160 (146)	20 (20)
Nitrobenzene	500	0	460	ug/L	92		6		70 (62)	130 (112)	20 (20)
Hexachlorobutadiene	500	0	430	ug/L	86		0		70 (52)	130 (125)	20 (20)
2,4,6-Trichlorophenol	500	0	510	ug/L	102		4		70 (78)	130 (112)	20 (20)
2,4,5-Trichlorophenol	500	0	530	ug/L	106		7		70 (71)	130 (111)	20 (20)
2,4-Dinitrotoluene	500	0	590	ug/L	118		11		70 (74)	130 (137)	20 (20)
Hexachlorobenzene	500	0	480	ug/L	96		2		70 (72)	130 (115)	20 (20)
Pentachlorophenol	1000	0	1100	ug/L	110		0		20 (52)	160 (162)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1744

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BP024261.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167537BS	Pyridine	50	42.6	ug/L	85				20 (29)	160 (97)	
	1,4-Dichlorobenzene	50	49.4	ug/L	99				70 (76)	130 (103)	
	2-Methylphenol	50	54.4	ug/L	109				70 (69)	130 (109)	
	3+4-Methylphenols	50	53.8	ug/L	108				20 (67)	160 (106)	
	Hexachloroethane	50	50.3	ug/L	101				20 (76)	160 (118)	
	Nitrobenzene	50	51.1	ug/L	102				70 (58)	130 (106)	
	Hexachlorobutadiene	50	50.0	ug/L	100				70 (69)	130 (101)	
	2,4,6-Trichlorophenol	50	53.7	ug/L	107				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	53.9	ug/L	108				70 (70)	130 (106)	
	2,4-Dinitrotoluene	50	59.4	ug/L	119				70 (60)	130 (115)	
	Hexachlorobenzene	50	50.4	ug/L	101				70 (73)	130 (106)	
	Pentachlorophenol	100	110	ug/L	110				20 (47)	160 (114)	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167537BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1744 SAS No.: Q1744 SDG NO.: Q1744

Lab File ID: BP024260.D Lab Sample ID: PB167537BL

Instrument ID: BNA_P Date Extracted: 04/09/2025

Matrix: (soil/water) water Date Analyzed: 04/11/2025

Level: (low/med) LOW Time Analyzed: 10:23

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167537BS	PB167537BS	BP024261.D	04/11/2025
IB-1.5-WCMS	Q1748-04MS	BP024265.D	04/11/2025
B-158-SB01	Q1744-02	BP024269.D	04/11/2025
B-158-SB02	Q1744-04	BP024270.D	04/11/2025
IB-1.5-WCMSD	Q1748-04MSD	BP024266.D	04/11/2025
PB167517TB	PB167517TB	BP024262.D	04/11/2025

COMMENTS:

Alliance TECHNICAL GROUP
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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1744 SDG NO.: Q1744

Lab File ID: BP024159.D DFTPP Injection Date: 03/12/2025

Instrument ID: BNA_P DFTPP Injection Time: 15:36

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	28.5
68	Less than 2.0% of mass 69	0.6 (1.6) 1
69	Mass 69 relative abundance	33.9
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	46.1
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	27.5
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	14.7
442	Greater than 50% of mass 198	94.8
443	15.0 - 24.0% of mass 442	18.4 (19.5) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BP024160.D	03/12/2025	16:17
SSTDICC005	SSTDICC005	BP024161.D	03/12/2025	16:57
SSTDICC010	SSTDICC010	BP024162.D	03/12/2025	17:38
SSTDICC020	SSTDICC020	BP024163.D	03/12/2025	18:19
SSTDICCC040	SSTDICCC040	BP024164.D	03/12/2025	19:00
SSTDICC050	SSTDICC050	BP024165.D	03/12/2025	19:41
SSTDICC060	SSTDICC060	BP024166.D	03/12/2025	20:21
SSTDICC080	SSTDICC080	BP024167.D	03/12/2025	21:02

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1744 SDG NO.: Q1744

Lab File ID: BP024258.D DFTPP Injection Date: 04/11/2025

Instrument ID: BNA_P DFTPP Injection Time: 09:02

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	27.1
68	Less than 2.0% of mass 69	0.5 (1.6) 1
69	Mass 69 relative abundance	32.3
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	45.4
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.5
275	10.0 - 60.0% of mass 198	29.1
365	Greater than 1% of mass 198	4
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	19.3 (19.3) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP024259.D	04/11/2025	09:43
PB167537BL	PB167537BL	BP024260.D	04/11/2025	10:23
PB167537BS	PB167537BS	BP024261.D	04/11/2025	11:04
PB167517TB	PB167517TB	BP024262.D	04/11/2025	11:45
IB-1.5-WCMS	Q1748-04MS	BP024265.D	04/11/2025	14:19
IB-1.5-WCMSD	Q1748-04MSD	BP024266.D	04/11/2025	15:00
B-158-SB01	Q1744-02	BP024269.D	04/11/2025	17:02
B-158-SB02	Q1744-04	BP024270.D	04/11/2025	17:42

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1744 SAS No.: Q1744 SDG NO.: Q1744

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/11/2025

Lab File ID: BP024259.D Time Analyzed: 09:43

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	312531	7.757	1264670	10.53	754959	14.39
	UPPER LIMIT	625062	8.257	2529340	11.034	1509920	14.892
	LOWER LIMIT	156266	7.257	632335	10.034	377480	13.892
	EPA SAMPLE NO.						
01	PB167517TB	245941	7.76	988900	10.53	609073	14.39
02	PB167537BL	279458	7.76	1100930	10.54	638188	14.39
03	PB167537BS	252310	7.76	1001040	10.53	619477	14.39
04	B-158-SB01	220580	7.74	853855	10.52	516666	14.38
05	B-158-SB02	241596	7.74	924650	10.52	524708	14.38
06	IB-1.5-WCMS	198893	7.74	835760	10.51	566625	14.39
07	IB-1.5-WCMSD	263233	7.74	1024670	10.52	625891	14.38

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

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

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

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1744 SAS No.: Q1744 SDG NO.: Q1744

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/11/2025

Lab File ID: BP024259.D Time Analyzed: 09:43

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	1422440	17.204	1476880	21.639	1685520	25.009
	UPPER LIMIT	2844880	17.704	2953760	22.139	3371040	25.509
	LOWER LIMIT	711220	16.704	738440	21.139	842760	24.509
	EPA SAMPLE NO.						
01	PB167517TB	1154900	17.19	1137900	21.64	1235220	25.00
02	PB167537BL	1225650	17.19	1255530	21.64	1409210	25.00
03	PB167537BS	1216310	17.19	1332930	21.64	1494830	25.02
04	B-158-SB01	1056170	17.18	1289350	21.63	1408890	25.00
05	B-158-SB02	1030670	17.18	1146420	21.61	1313030	24.97
06	IB-1.5-WCMS	1260550	17.19	1426670	21.65	871094	25.00
07	IB-1.5-WCMSD	1269590	17.18	1347510	21.62	604991 *	24.98

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

Raw Data: **BP024262.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/09/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/09/25
Client Sample ID:	PB167517TB	SDG No.:	Q1744
Lab Sample ID:	PB167517TB	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BP024262.D	1	04/09/25 13:25	04/11/25 11:45	PB167537

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	12.8	U	12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.30	U	5.30	50.0	ug/L
95-48-7	2-Methylphenol	11.2	U	11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.0	U	11.0	100	ug/L
67-72-1	Hexachloroethane	6.50	U	6.50	50.0	ug/L
98-95-3	Nitrobenzene	7.60	U	7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	5.40	U	5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	5.10	U	5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	6.20	U	6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	12.2	U	12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	5.20	U	5.20	50.0	ug/L
87-86-5	Pentachlorophenol	15.8	U	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	163		15 (10) - 110 (139)	108%	SPK: 150
13127-88-3	Phenol-d6	154		15 (10) - 110 (134)	103%	SPK: 150
4165-60-0	Nitrobenzene-d5	106		30 (49) - 130 (133)	106%	SPK: 100
321-60-8	2-Fluorobiphenyl	100		30 (52) - 130 (132)	100%	SPK: 100
118-79-6	2,4,6-Tribromophenol	167	*	15 (44) - 110 (137)	112%	SPK: 150
1718-51-0	Terphenyl-d14	111		30 (48) - 130 (125)	111%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	246000	7.758			
1146-65-2	Naphthalene-d8	989000	10.534			
15067-26-2	Acenaphthene-d10	609000	14.387			
1517-22-2	Phenanthrene-d10	1150000	17.192			
1719-03-5	Chrysene-d12	1140000	21.639			
1520-96-3	Perylene-d12	1240000	24.998			

Raw Data: **BP024262.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/09/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/09/25
Client Sample ID:	PB167517TB	SDG No.:	Q1744
Lab Sample ID:	PB167517TB	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BP024262.D	1	04/09/25 13:25	04/11/25 11:45	PB167537

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **BP024262.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024262.D
Acq On : 11 Apr 2025 11:45
Operator : RC/JU
Sample : PB167517TB
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167517TB

Quant Time: Apr 11 12:15:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 2025
Response via : Initial Calibration

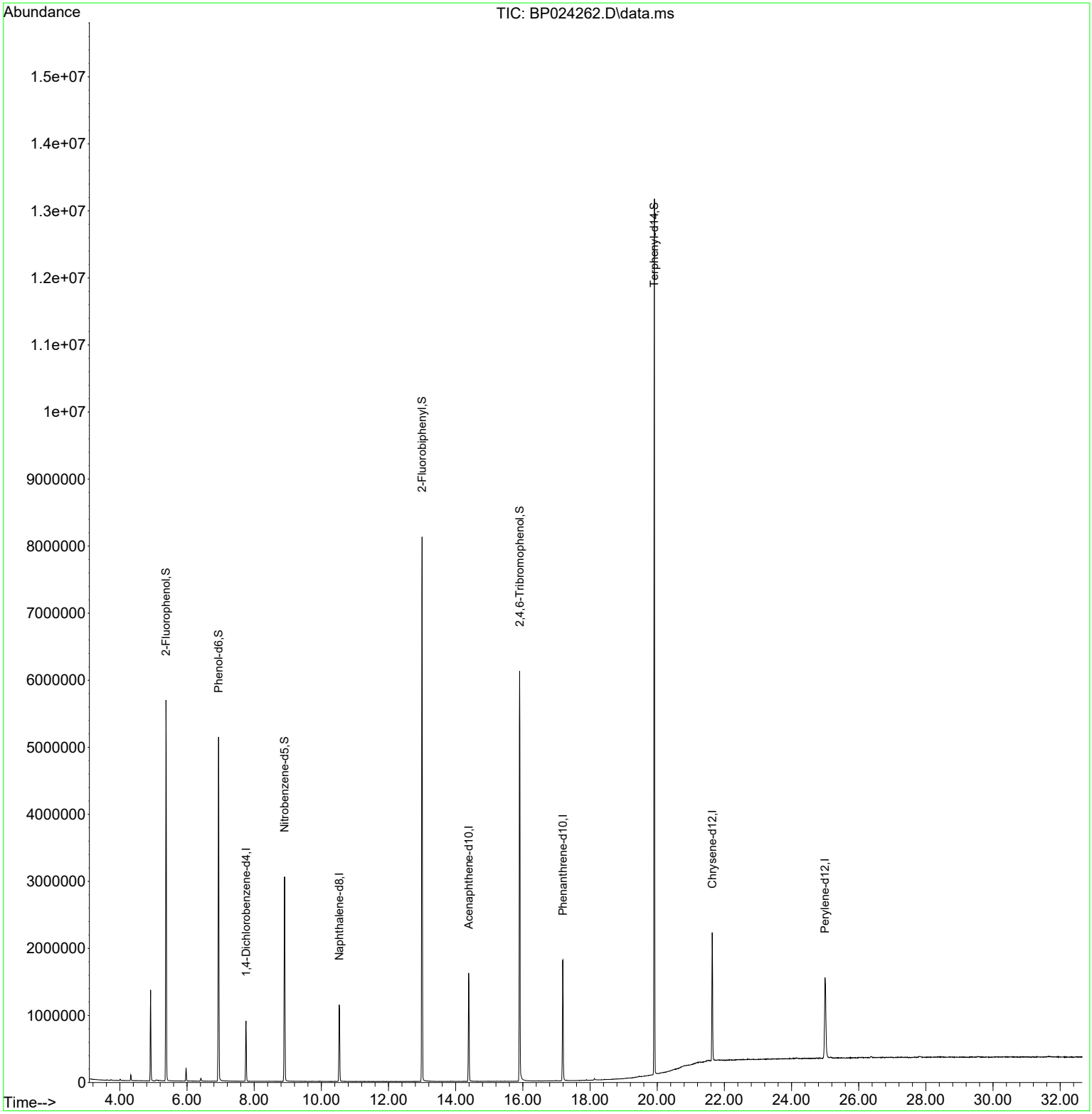
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.758	152	245941	20.000	ng	0.01
21) Naphthalene-d8	10.534	136	988900	20.000	ng	0.00
39) Acenaphthene-d10	14.387	164	609073	20.000	ng	0.00
64) Phenanthrene-d10	17.192	188	1154897	20.000	ng	0.00
76) Chrysene-d12	21.639	240	1137897	20.000	ng	0.00
86) Perylene-d12	24.998	264	1235221	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	2505867	162.644	ng	0.02
7) Phenol-d6	6.940	99	3176704	154.184	ng	0.01
23) Nitrobenzene-d5	8.905	82	1859413	106.088	ng	0.01
42) 2,4,6-Tribromophenol	15.904	330	1284993	167.490	ng	0.00
45) 2-Fluorobiphenyl	12.998	172	4144556	100.337	ng	0.00
79) Terphenyl-d14	19.916	244	6111210	110.862	ng	0.00
Target Compounds						Qvalue

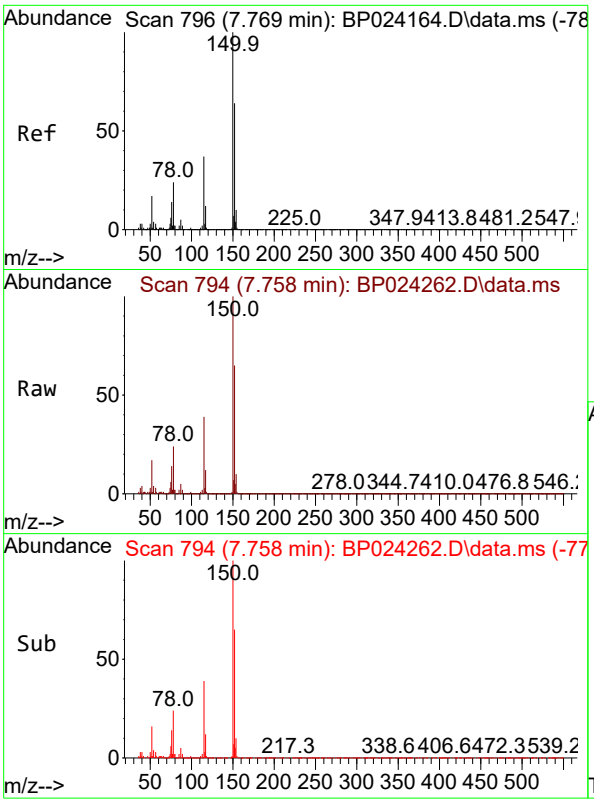
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024262.D
Acq On : 11 Apr 2025 11:45
Operator : RC/JU
Sample : PB167517TB
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167517TB

Quant Time: Apr 11 12:15:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 2025
Response via : Initial Calibration



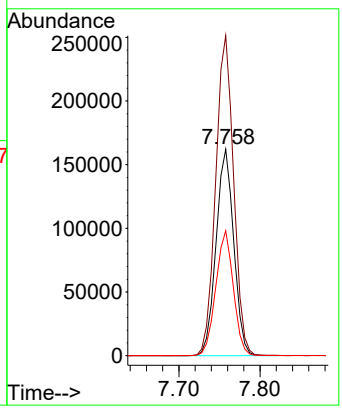


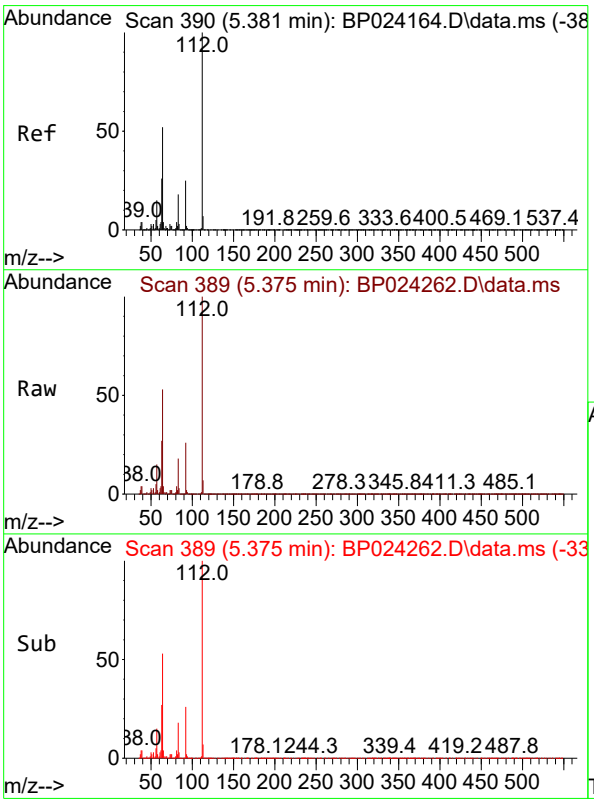
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.758 min Scan# 7
Delta R.T. 0.012 min
Lab File: BP024262.D
Acq: 11 Apr 2025 11:45

Instrument :
BNA_P
ClientSampleId :
PB167517TB

Tgt Ion:152 Resp: 245941

Ion	Ratio	Lower	Upper
152	100		
150	155.0	125.5	188.3
115	60.5	46.3	69.5

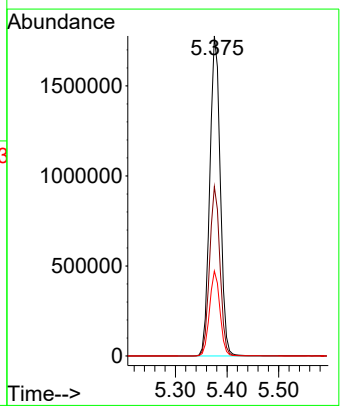


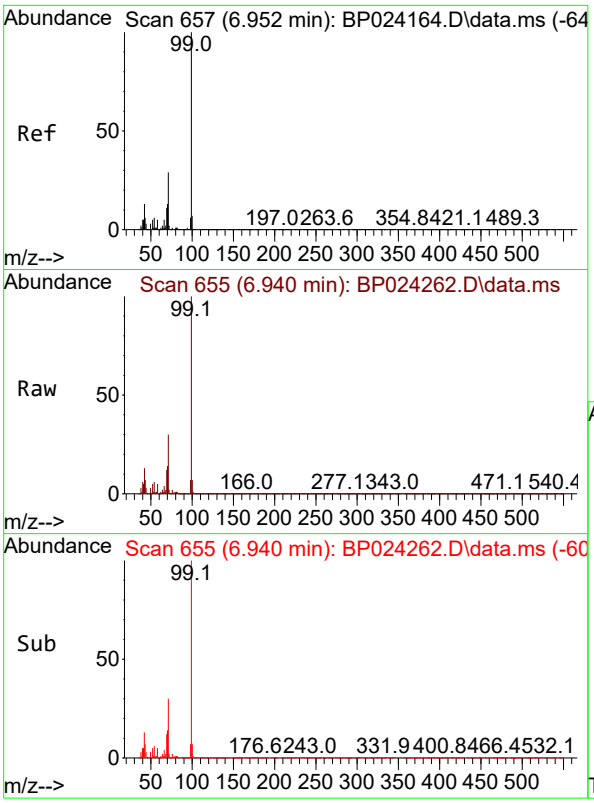


#5
2-Fluorophenol
Concen: 162.644 ng
RT: 5.375 min Scan# 389
Delta R.T. 0.018 min
Lab File: BP024262.D
Acq: 11 Apr 2025 11:45

Tgt Ion:112 Resp: 2505867

Ion	Ratio	Lower	Upper
112	100		
64	52.9	41.3	61.9
63	26.6	20.6	31.0



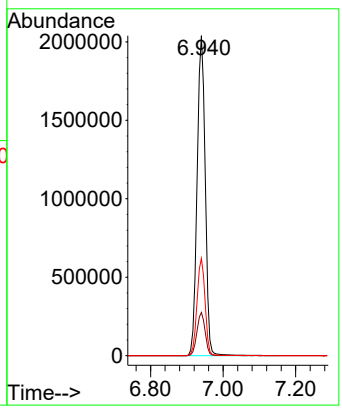


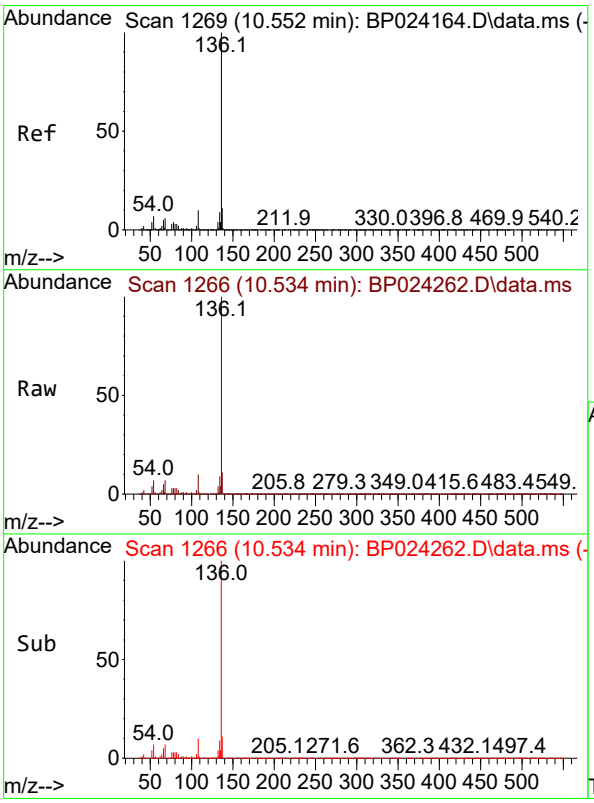
#7
Phenol-d6
Concen: 154.184 ng
RT: 6.940 min Scan# 6
Delta R.T. 0.012 min
Lab File: BP024262.D
Acq: 11 Apr 2025 11:45

Instrument :
BNA_P
ClientSampleId :
PB167517TB

Tgt Ion: 99 Resp: 3176704

Ion	Ratio	Lower	Upper
99	100		
42	13.5	10.6	16.0
71	30.4	23.3	34.9

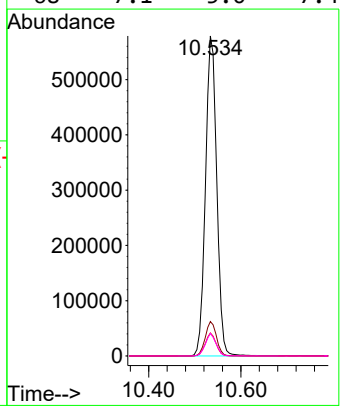


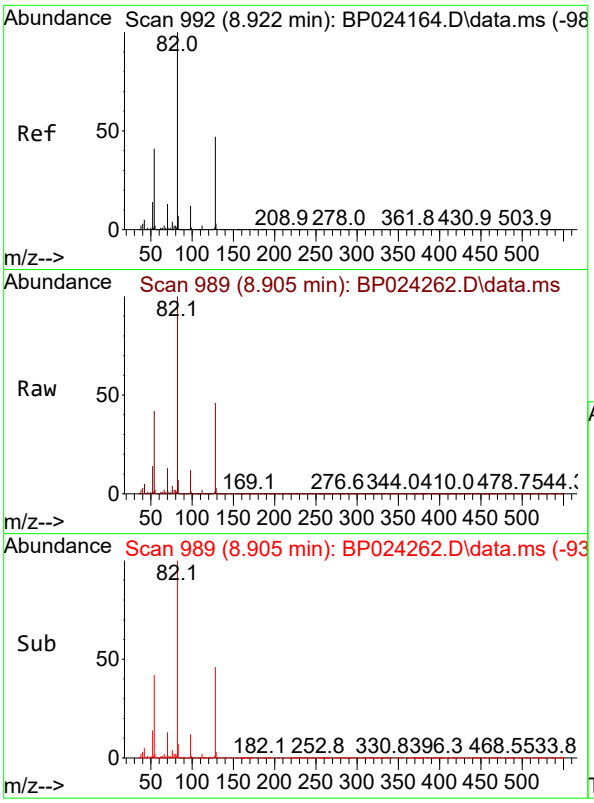


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.534 min Scan# 1266
Delta R.T. 0.006 min
Lab File: BP024262.D
Acq: 11 Apr 2025 11:45

Tgt Ion:136 Resp: 988900

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	7.2	5.3	7.9
68	7.1	5.0	7.4



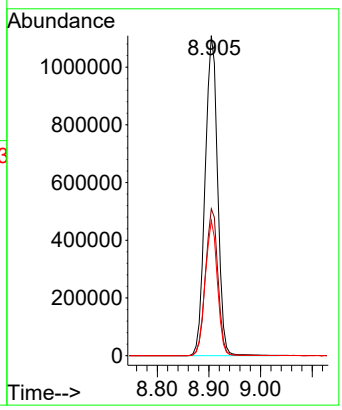


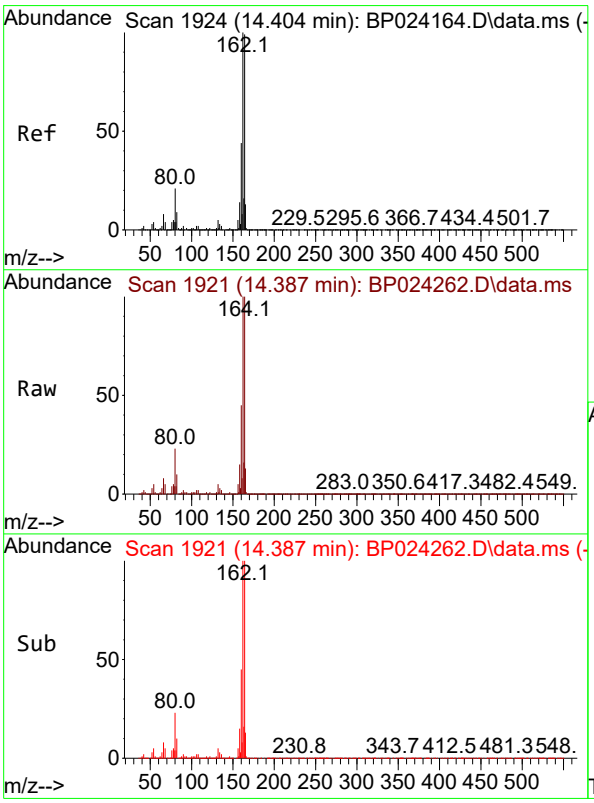
#23
Nitrobenzene-d5
Concen: 106.088 ng
RT: 8.905 min Scan# 9
Delta R.T. 0.012 min
Lab File: BP024262.D
Acq: 11 Apr 2025 11:45

Instrument :
BNA_P
ClientSampleId :
PB167517TB

Tgt Ion: 82 Resp: 1859413

Ion	Ratio	Lower	Upper
82	100		
128	45.9	37.4	56.0
54	42.2	32.5	48.7

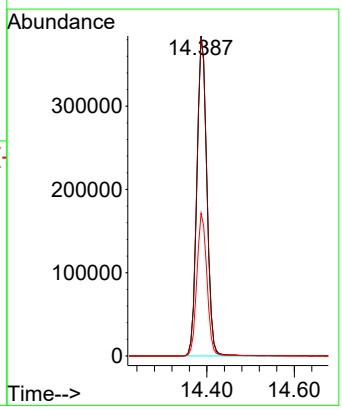


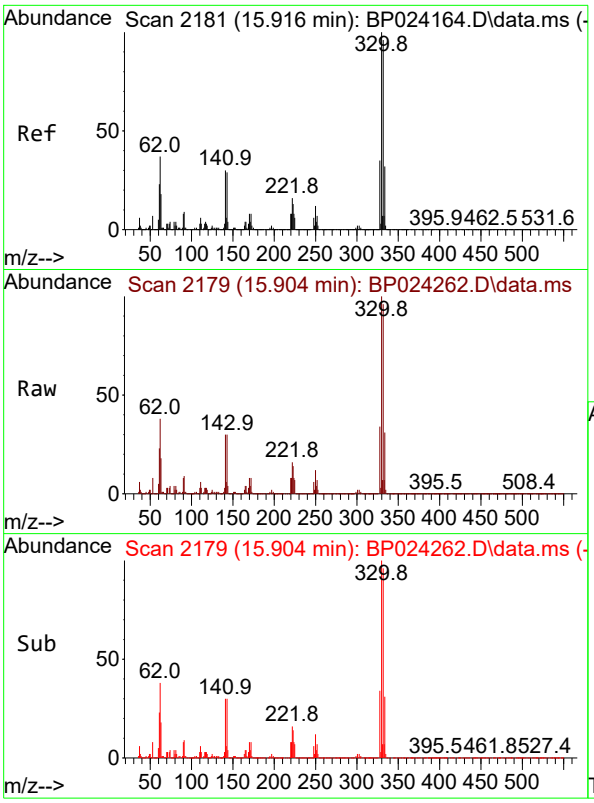


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.387 min Scan# 1921
Delta R.T. -0.006 min
Lab File: BP024262.D
Acq: 11 Apr 2025 11:45

Tgt Ion:164 Resp: 609073

Ion	Ratio	Lower	Upper
164	100		
162	99.7	80.6	121.0
160	44.6	35.4	53.2



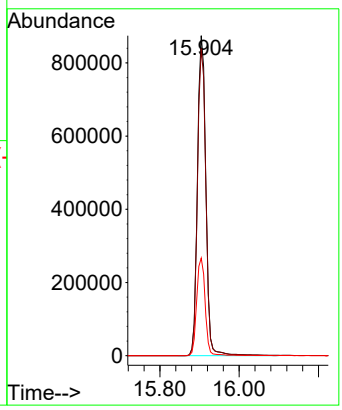


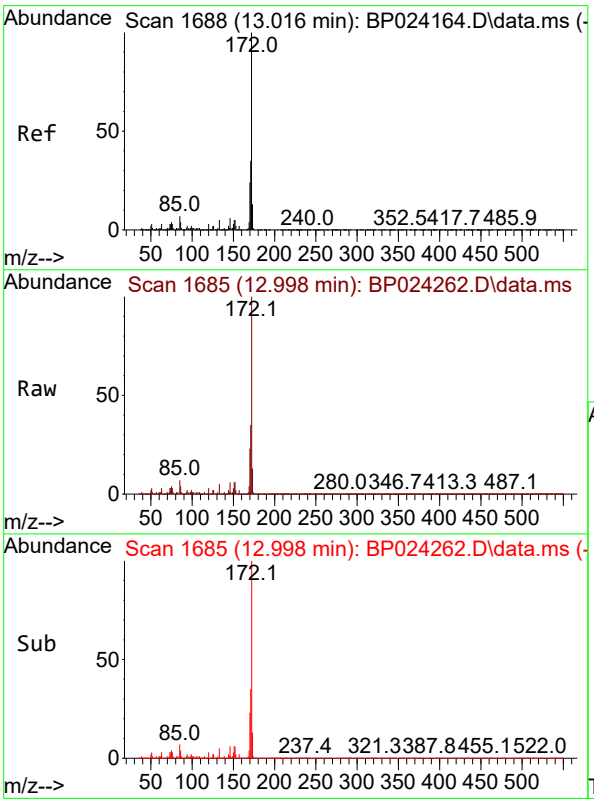
#42
2,4,6-Tribromophenol
Concen: 167.490 ng
RT: 15.904 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024262.D
Acq: 11 Apr 2025 11:45

Instrument :
BNA_P
ClientSampleId :
PB167517TB

Tgt Ion:330 Resp: 1284993

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.6	116.4
141	30.8	25.0	37.6

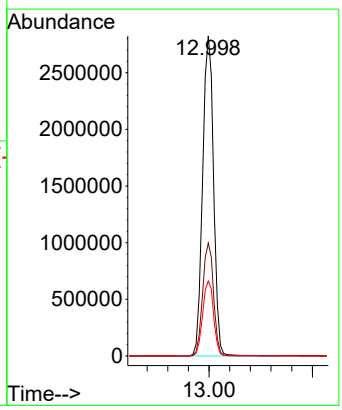


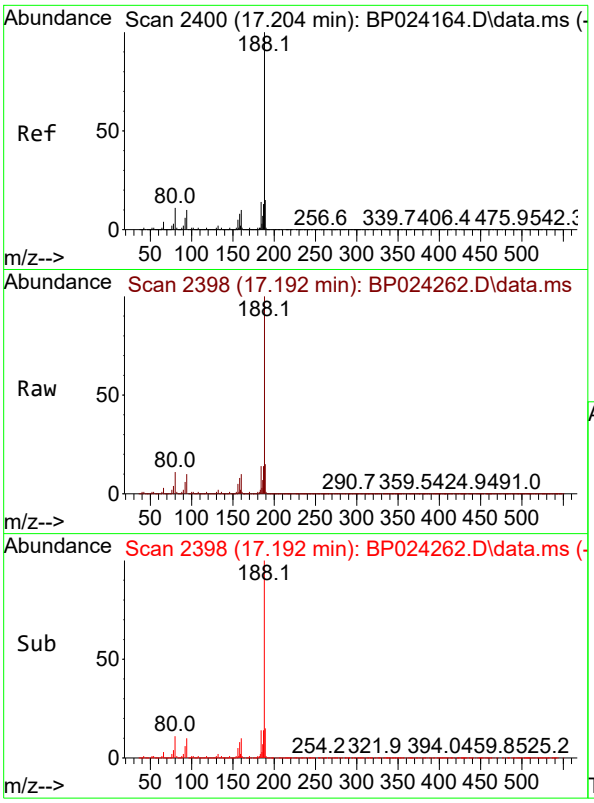


#45
2-Fluorobiphenyl
Concen: 100.337 ng
RT: 12.998 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BP024262.D
Acq: 11 Apr 2025 11:45

Tgt Ion:172 Resp: 4144556

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.3	42.5
170	23.5	19.0	28.4



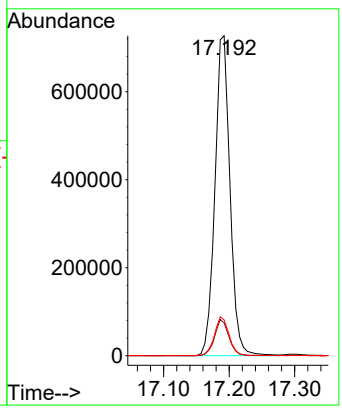


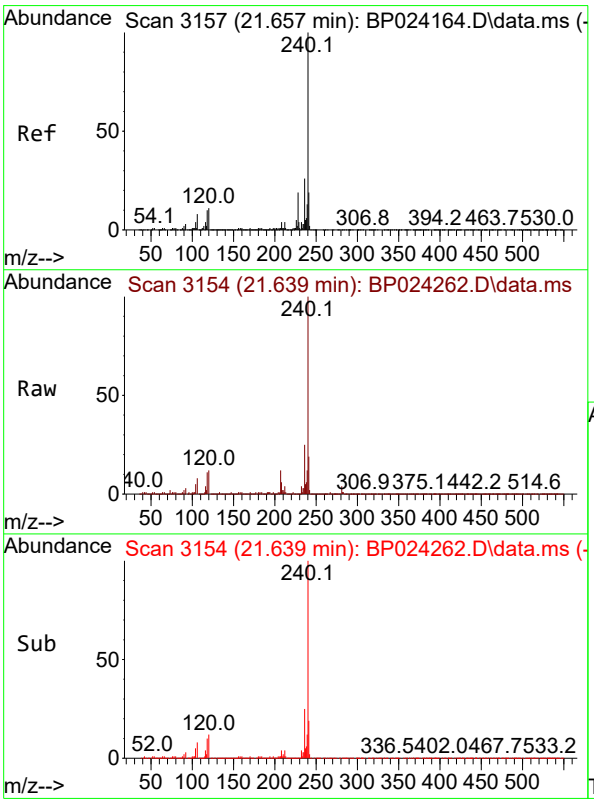
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.192 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024262.D
Acq: 11 Apr 2025 11:45

Instrument :
BNA_P
ClientSampleId :
PB167517TB

Tgt Ion:188 Resp: 1154897

Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.1	12.1
80	11.2	8.9	13.3

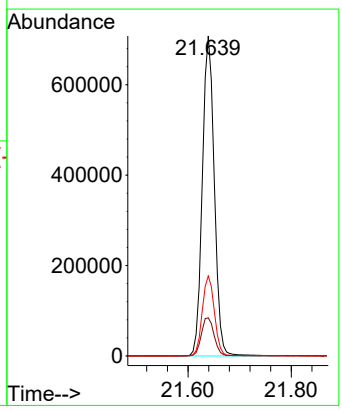


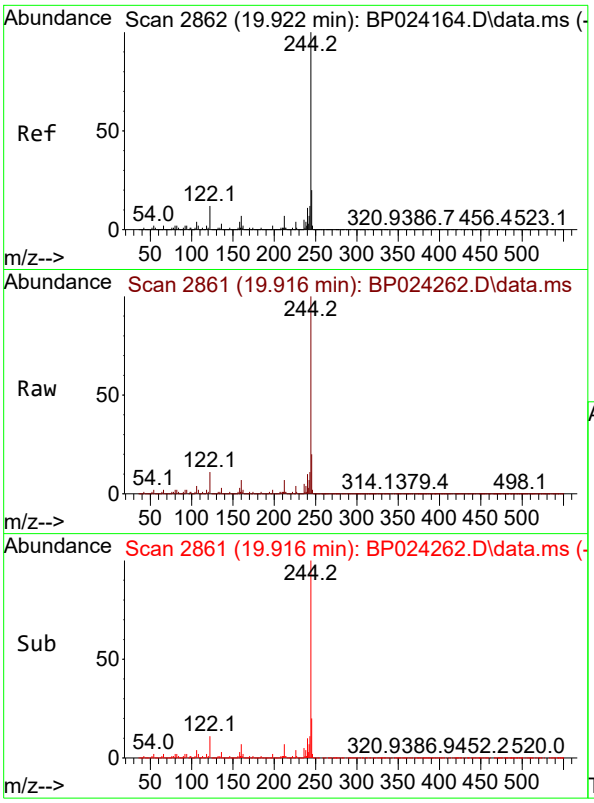


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.639 min Scan# 3154
Delta R.T. -0.006 min
Lab File: BP024262.D
Acq: 11 Apr 2025 11:45

Tgt Ion:240 Resp: 1137897

Ion	Ratio	Lower	Upper
240	100		
120	11.9	9.2	13.8
236	25.0	20.4	30.6



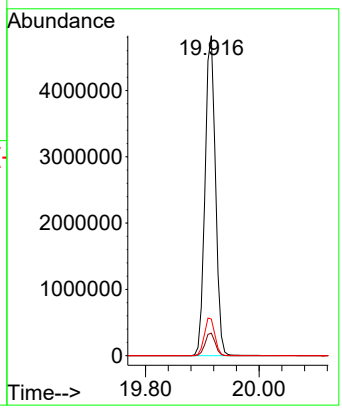


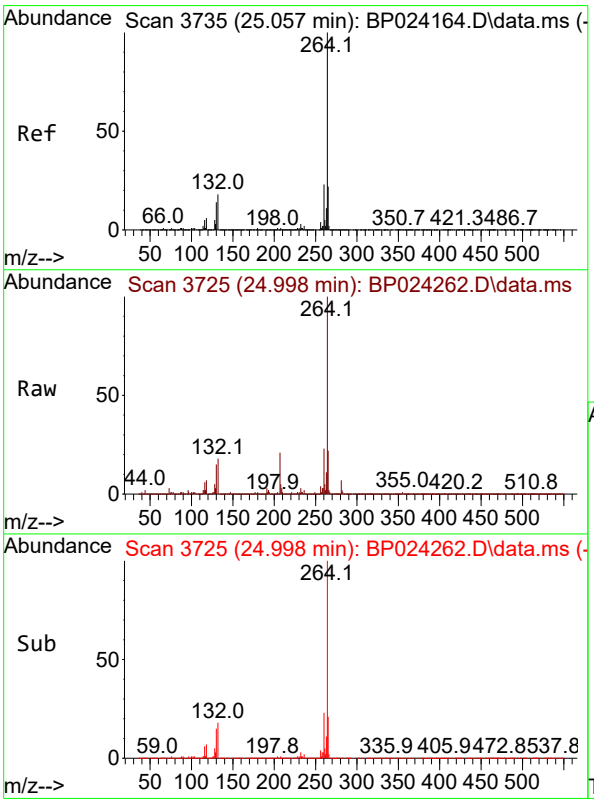
#79
Terphenyl-d14
Concen: 110.862 ng
RT: 19.916 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024262.D
Acq: 11 Apr 2025 11:45

Instrument :
BNA_P
ClientSampleId :
PB167517TB

Tgt Ion:244 Resp: 6111210

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	11.4	9.6	14.4

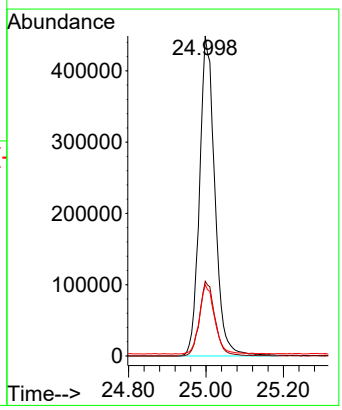




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.998 min Scan# 3725
Delta R.T. -0.012 min
Lab File: BP024262.D
Acq: 11 Apr 2025 11:45

Tgt Ion:264 Resp: 1235221

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.5	27.7
265	22.2	17.7	26.5



Raw Data: **BP024269.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-SB01	SDG No.:	Q1744
Lab Sample ID:	Q1744-02	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BP024269.D	1	04/09/25 13:25	04/11/25 17:02	PB167537

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	12.8	U	12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.30	U	5.30	50.0	ug/L
95-48-7	2-Methylphenol	11.2	U	11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.0	U	11.0	100	ug/L
67-72-1	Hexachloroethane	6.50	U	6.50	50.0	ug/L
98-95-3	Nitrobenzene	7.60	U	7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	5.40	U	5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	5.10	U	5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	6.20	U	6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	12.2	U	12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	5.20	U	5.20	50.0	ug/L
87-86-5	Pentachlorophenol	15.8	U	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	134		15 (10) - 110 (139)	89%	SPK: 150
13127-88-3	Phenol-d6	116		15 (10) - 110 (134)	77%	SPK: 150
4165-60-0	Nitrobenzene-d5	100		30 (49) - 130 (133)	100%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.1		30 (52) - 130 (132)	93%	SPK: 100
118-79-6	2,4,6-Tribromophenol	168	*	15 (44) - 110 (137)	112%	SPK: 150
1718-51-0	Terphenyl-d14	98.6		30 (48) - 130 (125)	99%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	221000	7.74			
1146-65-2	Naphthalene-d8	854000	10.516			
15067-26-2	Acenaphthene-d10	517000	14.375			
1517-22-2	Phenanthrene-d10	1060000	17.175			
1719-03-5	Chrysene-d12	1290000	21.627			
1520-96-3	Perylene-d12	1410000	24.998			

Raw Data: **BP024269.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-SB01	SDG No.:	Q1744
Lab Sample ID:	Q1744-02	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BP024269.D	1	04/09/25 13:25	04/11/25 17:02	PB167537

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024269.D
Acq On : 11 Apr 2025 17:02
Operator : RC/JU
Sample : Q1744-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-158-SB01

Quant Time: Apr 11 17:41:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 2025
Response via : Initial Calibration

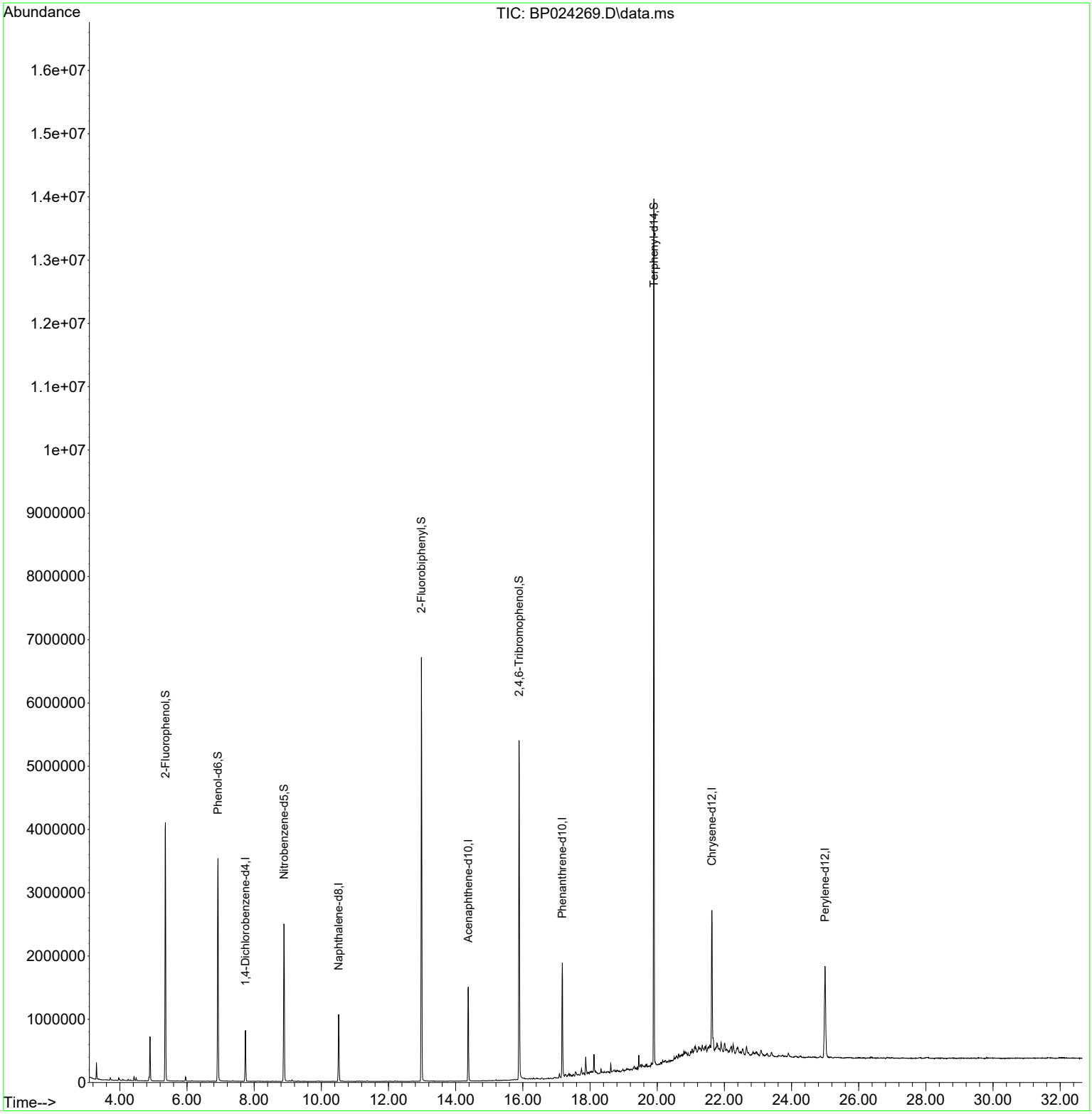
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.740	152	220580	20.000	ng	0.00
21) Naphthalene-d8	10.516	136	853855	20.000	ng	-0.01
39) Acenaphthene-d10	14.375	164	516666	20.000	ng	-0.02
64) Phenanthrene-d10	17.175	188	1056169	20.000	ng	-0.02
76) Chrysene-d12	21.627	240	1289354	20.000	ng	-0.02
86) Perylene-d12	24.998	264	1408891	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.358	112	1854544	134.209	ng	0.00
7) Phenol-d6	6.922	99	2140587	115.841	ng	0.00
23) Nitrobenzene-d5	8.887	82	1513727	100.024	ng	0.00
42) 2,4,6-Tribromophenol	15.886	330	1095723	168.364	ng	-0.01
45) 2-Fluorobiphenyl	12.981	172	3262264	93.103	ng	-0.02
79) Terphenyl-d14	19.904	244	6161568	98.645	ng	-0.01
Target Compounds						Qvalue

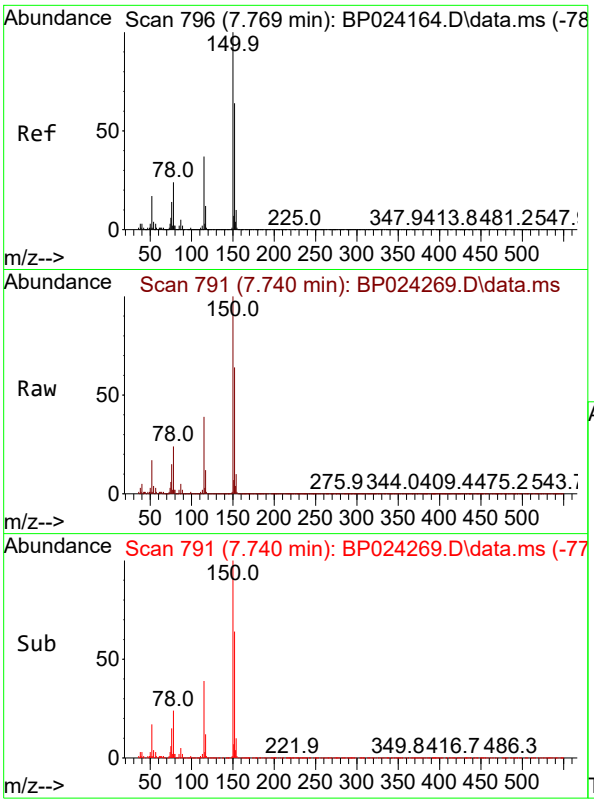
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024269.D
Acq On : 11 Apr 2025 17:02
Operator : RC/JU
Sample : Q1744-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-158-SB01

Quant Time: Apr 11 17:41:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 2025
Response via : Initial Calibration



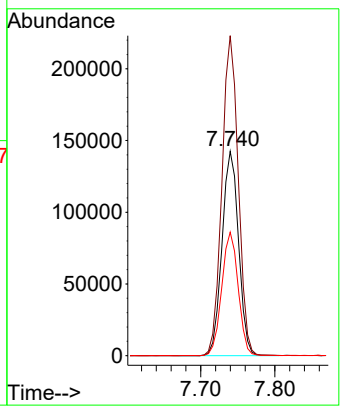


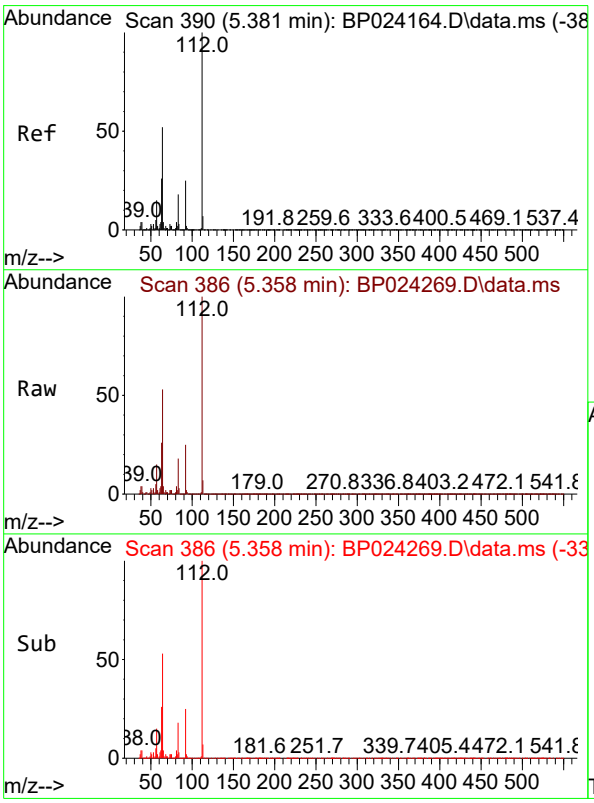
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024269.D
Acq: 11 Apr 2025 17:02

Instrument :
BNA_P
ClientSampleId :
B-158-SB01

Tgt Ion:152 Resp: 220580

Ion	Ratio	Lower	Upper
152	100		
150	156.6	125.5	188.3
115	60.5	46.3	69.5

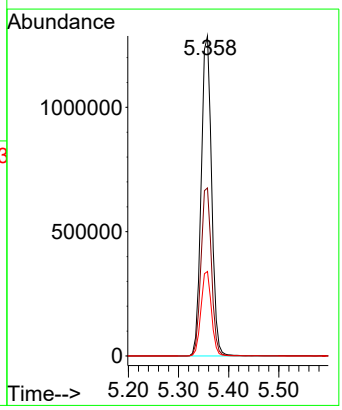


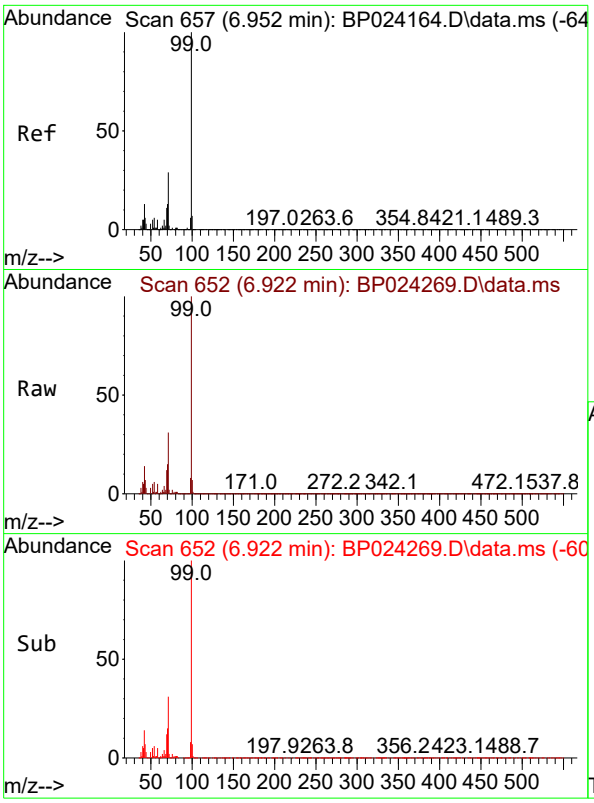


#5
2-Fluorophenol
Concen: 134.209 ng
RT: 5.358 min Scan# 386
Delta R.T. 0.000 min
Lab File: BP024269.D
Acq: 11 Apr 2025 17:02

Tgt Ion:112 Resp: 1854544

Ion	Ratio	Lower	Upper
112	100		
64	52.5	41.3	61.9
63	26.4	20.6	31.0



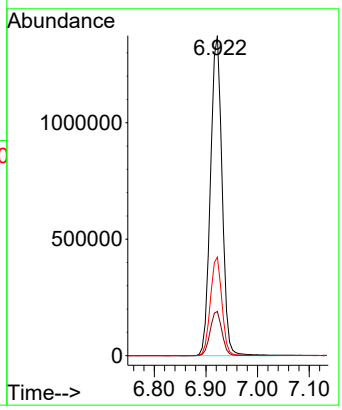


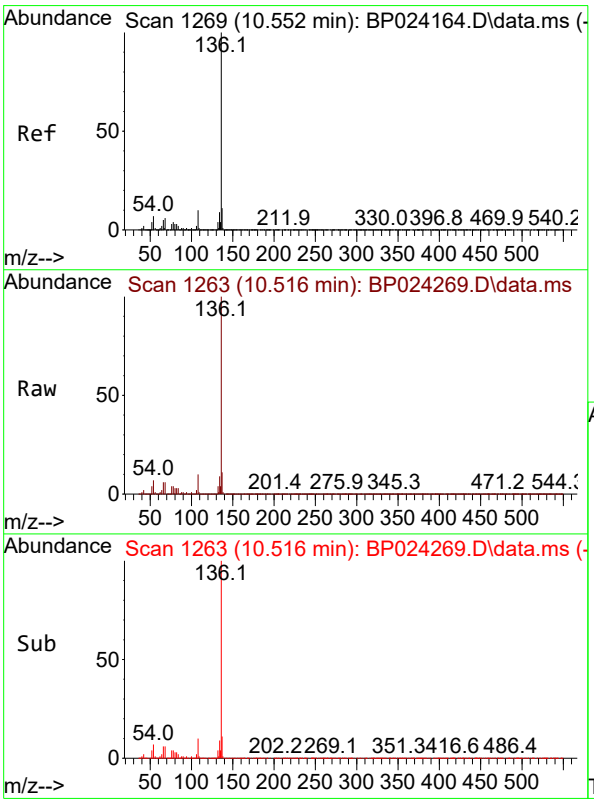
#7
Phenol-d6
Concen: 115.841 ng
RT: 6.922 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024269.D
Acq: 11 Apr 2025 17:02

Instrument :
BNA_P
ClientSampleId :
B-158-SB01

Tgt Ion: 99 Resp: 2140587

Ion	Ratio	Lower	Upper
99	100		
42	13.8	10.6	16.0
71	30.8	23.3	34.9

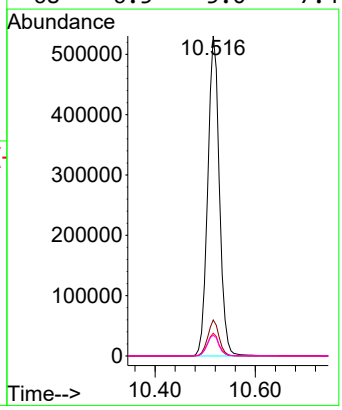


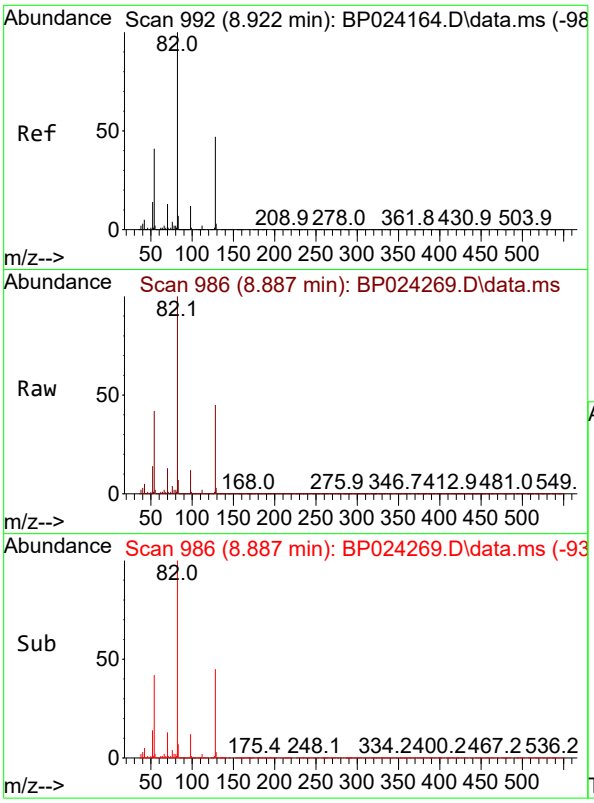


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.516 min Scan# 1263
Delta R.T. -0.012 min
Lab File: BP024269.D
Acq: 11 Apr 2025 17:02

Tgt Ion:136 Resp: 853855

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	7.1	5.3	7.9
68	6.5	5.0	7.4



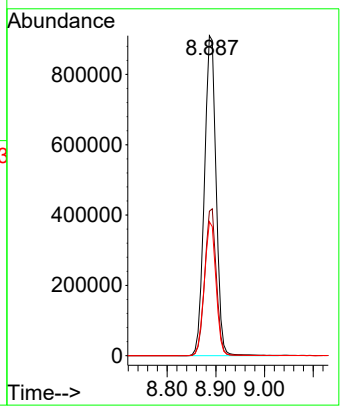


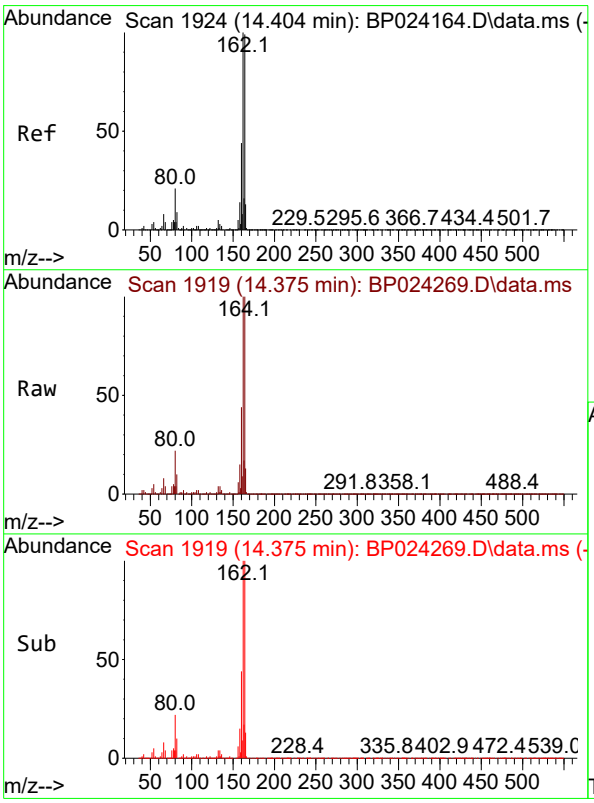
#23
Nitrobenzene-d5
Concen: 100.024 ng
RT: 8.887 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024269.D
Acq: 11 Apr 2025 17:02

Instrument :
BNA_P
ClientSampleId :
B-158-SB01

Tgt Ion: 82 Resp: 1513727

Ion	Ratio	Lower	Upper
82	100		
128	45.1	37.4	56.0
54	41.9	32.5	48.7

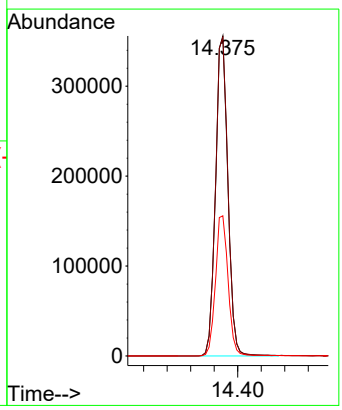


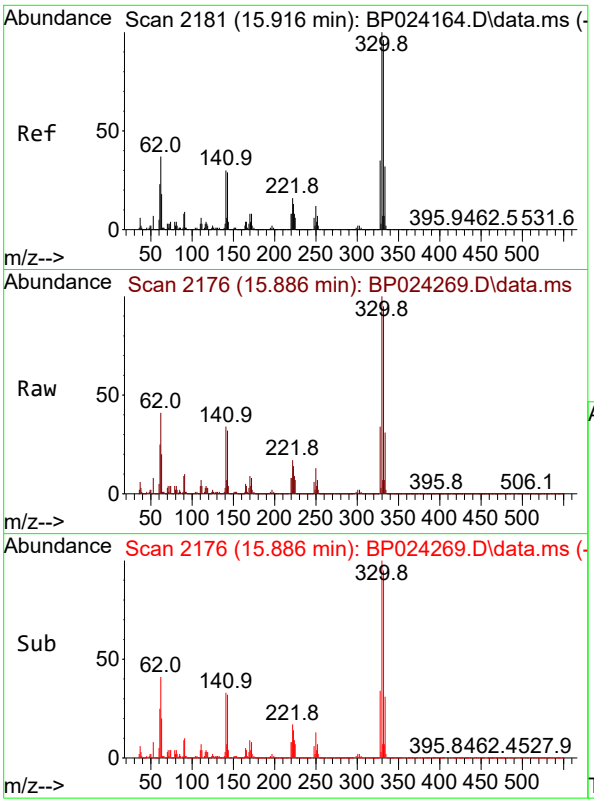


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.375 min Scan# 1919
Delta R.T. -0.018 min
Lab File: BP024269.D
Acq: 11 Apr 2025 17:02

Tgt Ion:164 Resp: 516666

Ion	Ratio	Lower	Upper
164	100		
162	99.6	80.6	121.0
160	43.8	35.4	53.2



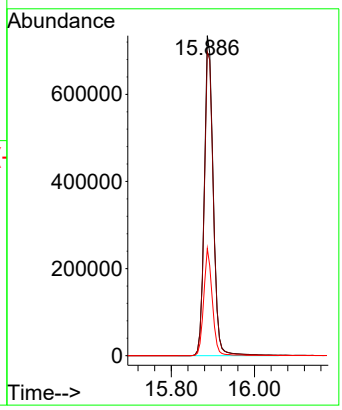


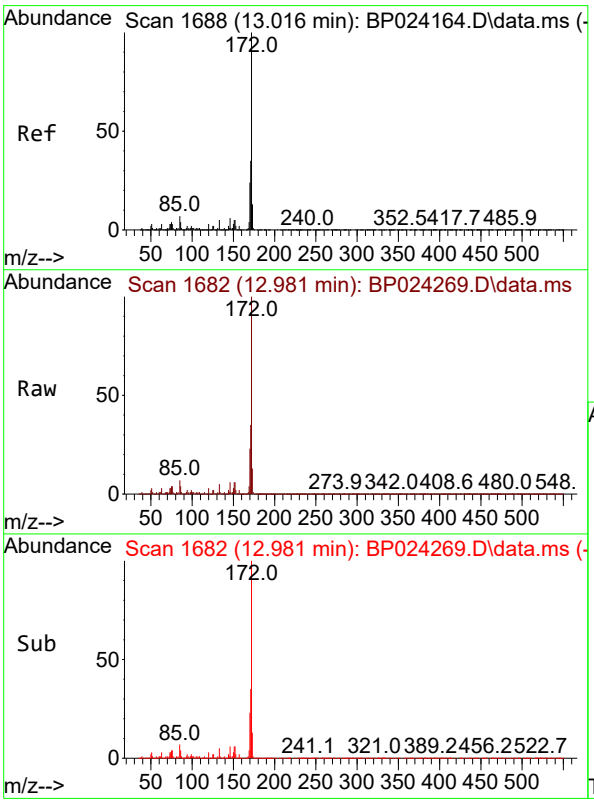
#42
2,4,6-Tribromophenol
Concen: 168.364 ng
RT: 15.886 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024269.D
Acq: 11 Apr 2025 17:02

Instrument :
BNA_P
ClientSampleId :
B-158-SB01

Tgt Ion:330 Resp: 1095723

Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.6	116.4
141	32.2	25.0	37.6

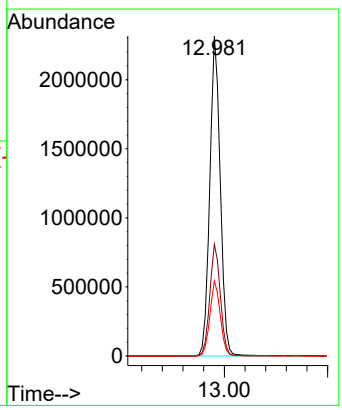


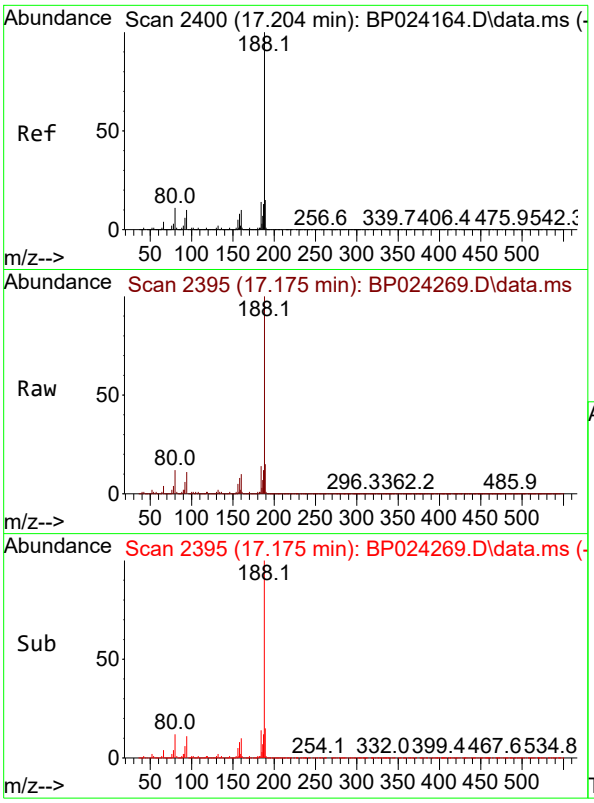


#45
2-Fluorobiphenyl
Concen: 93.103 ng
RT: 12.981 min Scan# 1682
Delta R.T. -0.018 min
Lab File: BP024269.D
Acq: 11 Apr 2025 17:02

Tgt Ion:172 Resp: 3262264

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.3	42.5
170	23.5	19.0	28.4



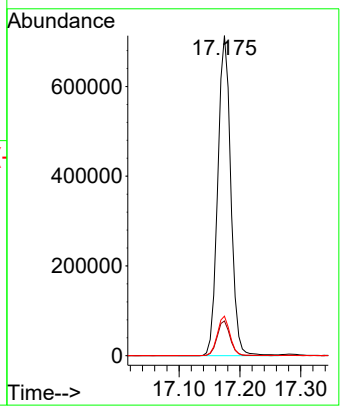


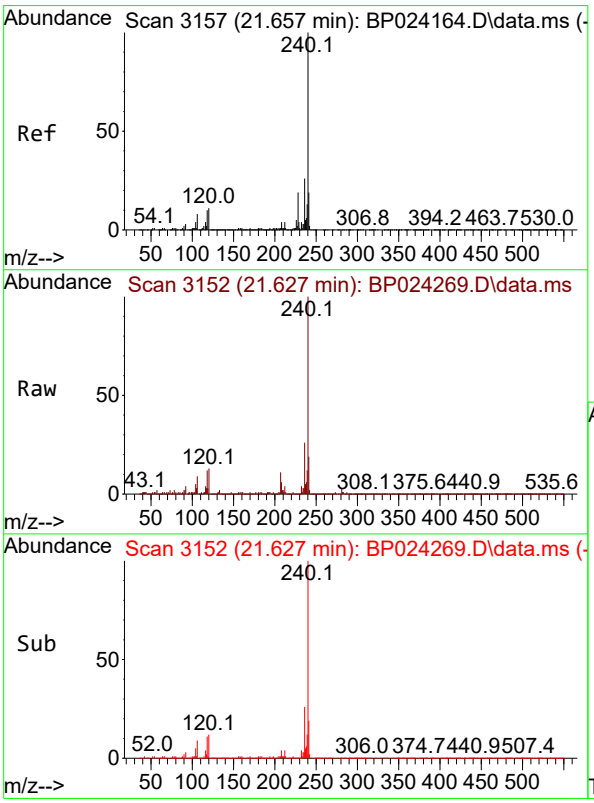
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.175 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024269.D
Acq: 11 Apr 2025 17:02

Instrument :
BNA_P
ClientSampleId :
B-158-SB01

Tgt Ion:188 Resp: 1056169

Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.1	12.1
80	12.3	8.9	13.3

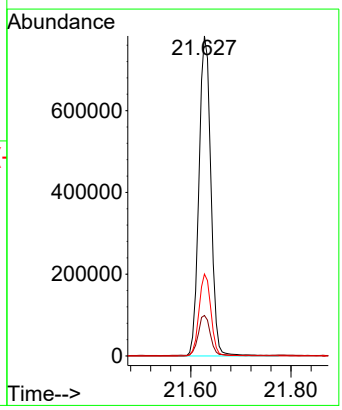


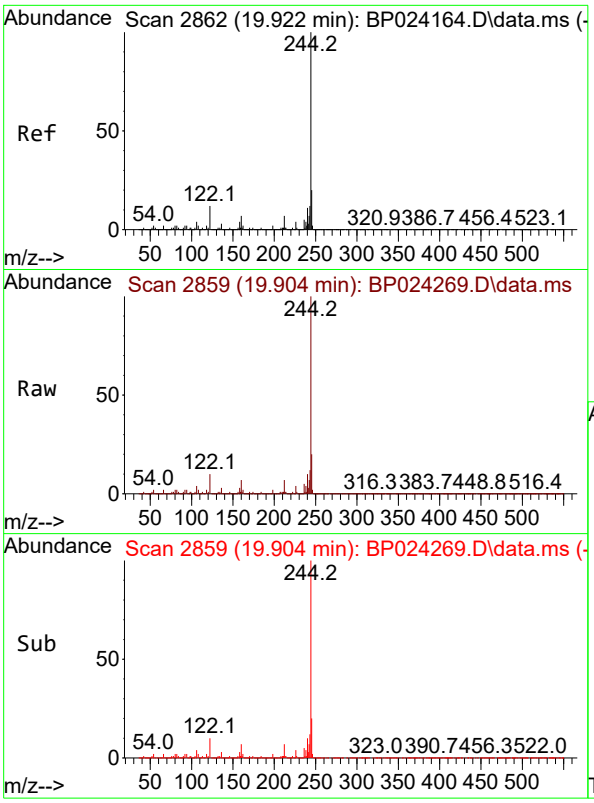


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.627 min Scan# 3152
Delta R.T. -0.018 min
Lab File: BP024269.D
Acq: 11 Apr 2025 17:02

Tgt Ion:240 Resp: 1289354

Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.2	13.8
236	25.6	20.4	30.6



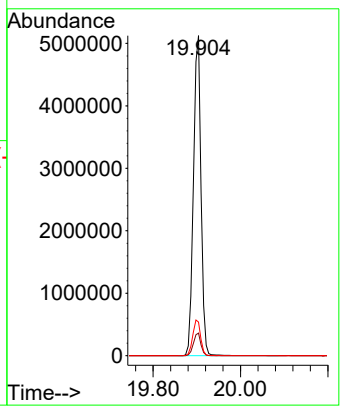


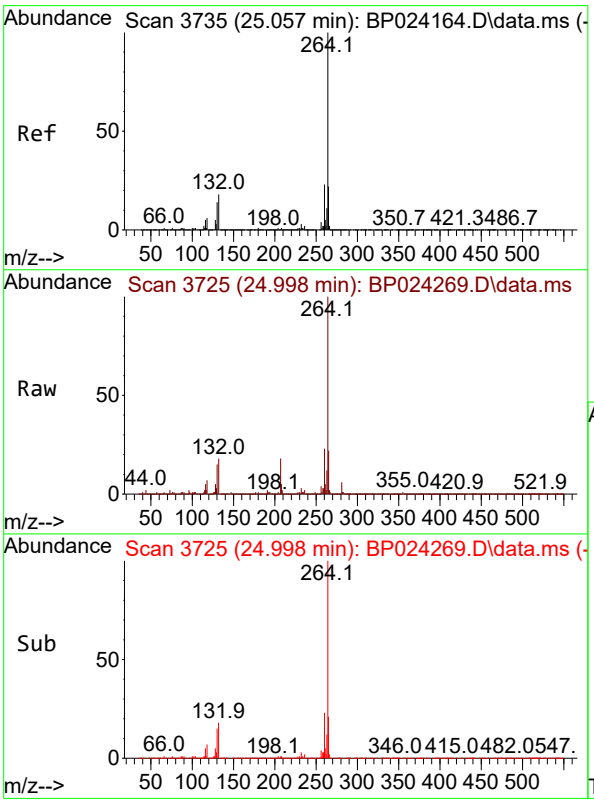
#79
Terphenyl-d14
Concen: 98.645 ng
RT: 19.904 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024269.D
Acq: 11 Apr 2025 17:02

Instrument :
BNA_P
ClientSampleId :
B-158-SB01

Tgt Ion:244 Resp: 6161568

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	10.5	9.6	14.4

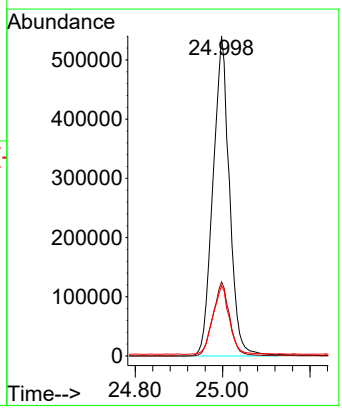




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.998 min Scan# 3725
Delta R.T. -0.012 min
Lab File: BP024269.D
Acq: 11 Apr 2025 17:02

Tgt Ion:264 Resp: 1408891

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	21.9	17.7	26.5



Raw Data: **BP024270.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-SB02	SDG No.:	Q1744
Lab Sample ID:	Q1744-04	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BP024270.D	1	04/09/25 13:25	04/11/25 17:42	PB167537

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	12.8	U	12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.30	U	5.30	50.0	ug/L
95-48-7	2-Methylphenol	11.2	U	11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.0	U	11.0	100	ug/L
67-72-1	Hexachloroethane	6.50	U	6.50	50.0	ug/L
98-95-3	Nitrobenzene	7.60	U	7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	5.40	U	5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	5.10	U	5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	6.20	U	6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	12.2	U	12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	5.20	U	5.20	50.0	ug/L
87-86-5	Pentachlorophenol	15.8	U	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	132		15 (10) - 110 (139)	88%	SPK: 150
13127-88-3	Phenol-d6	113		15 (10) - 110 (134)	76%	SPK: 150
4165-60-0	Nitrobenzene-d5	101		30 (49) - 130 (133)	101%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.4		30 (52) - 130 (132)	96%	SPK: 100
118-79-6	2,4,6-Tribromophenol	158		15 (44) - 110 (137)	105%	SPK: 150
1718-51-0	Terphenyl-d14	101		30 (48) - 130 (125)	101%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	242000	7.74			
1146-65-2	Naphthalene-d8	925000	10.516			
15067-26-2	Acenaphthene-d10	525000	14.375			
1517-22-2	Phenanthrene-d10	1030000	17.175			
1719-03-5	Chrysene-d12	1150000	21.61			
1520-96-3	Perylene-d12	1310000	24.974			

Raw Data: **BP024270.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-SB02	SDG No.:	Q1744
Lab Sample ID:	Q1744-04	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
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
BP024270.D	1	04/09/25 13:25	04/11/25 17:42	PB167537

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **BP024270.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024270.D
Acq On : 11 Apr 2025 17:42
Operator : RC/JU
Sample : Q1744-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-158-SB02

Quant Time: Apr 11 18:25:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 2025
Response via : Initial Calibration

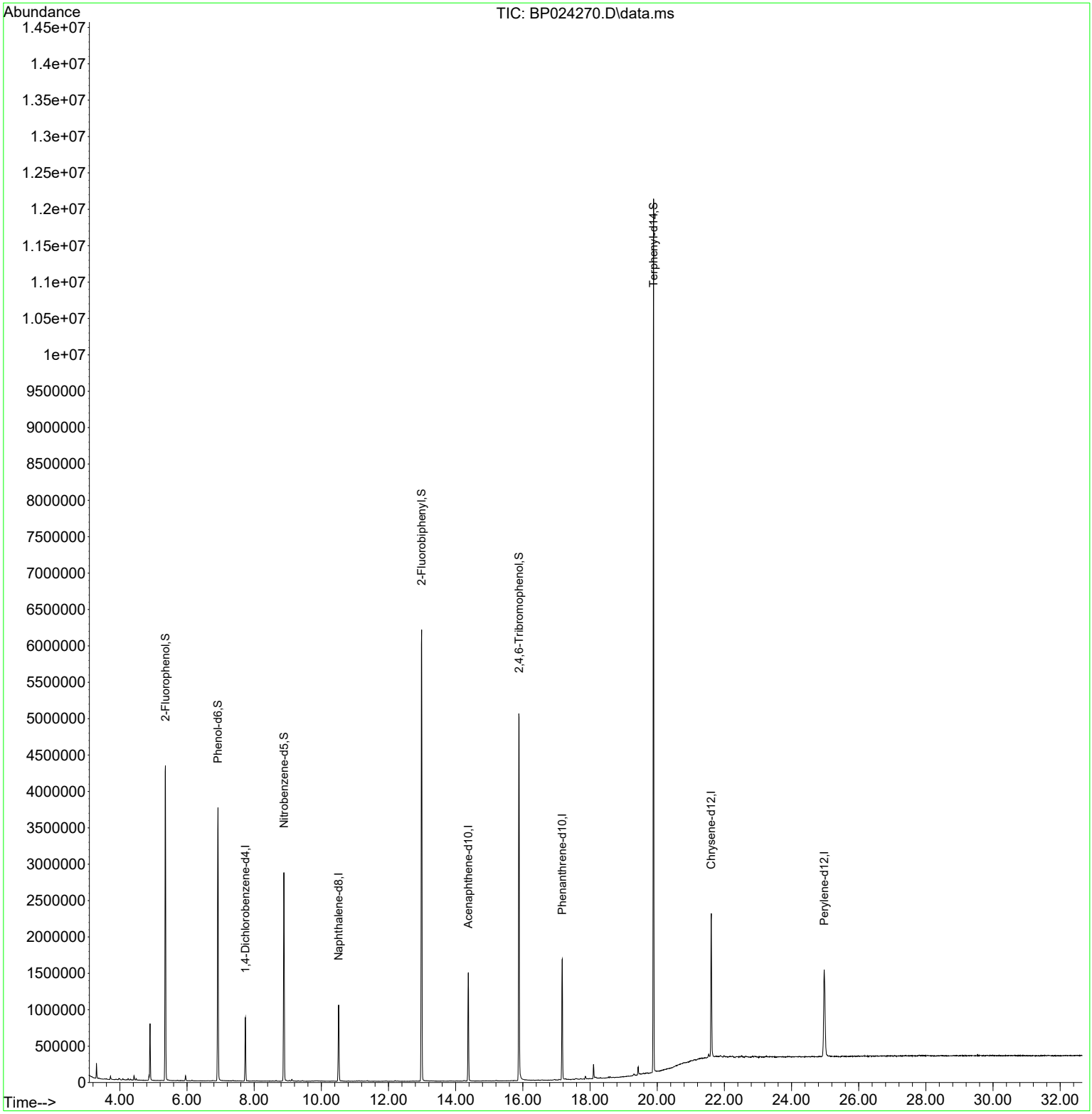
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.740	152	241596	20.000	ng	0.00
21) Naphthalene-d8	10.516	136	924650	20.000	ng	-0.01
39) Acenaphthene-d10	14.375	164	524708	20.000	ng	-0.02
64) Phenanthrene-d10	17.175	188	1030674	20.000	ng	-0.02
76) Chrysene-d12	21.610	240	1146421	20.000	ng	-0.04
86) Perylene-d12	24.974	264	1313027	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.358	112	1998621	132.054	ng	0.00
7) Phenol-d6	6.922	99	2292170	113.253	ng	0.00
23) Nitrobenzene-d5	8.887	82	1656466	101.076	ng	0.00
42) 2,4,6-Tribromophenol	15.887	330	1043223	157.840	ng	-0.01
45) 2-Fluorobiphenyl	12.987	172	3429390	96.372	ng	-0.01
79) Terphenyl-d14	19.892	244	5592269	100.693	ng	-0.02
Target Compounds						Qvalue

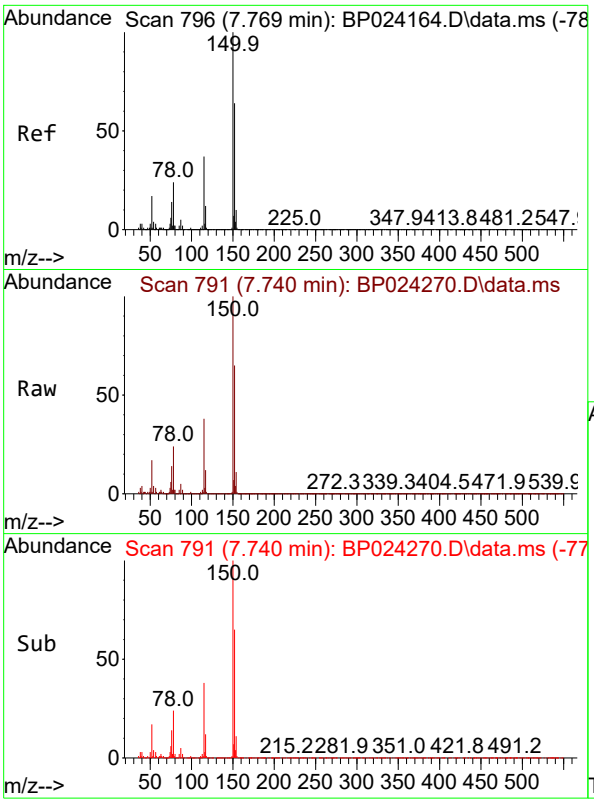
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024270.D
Acq On : 11 Apr 2025 17:42
Operator : RC/JU
Sample : Q1744-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-158-SB02

Quant Time: Apr 11 18:25:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 2025
Response via : Initial Calibration



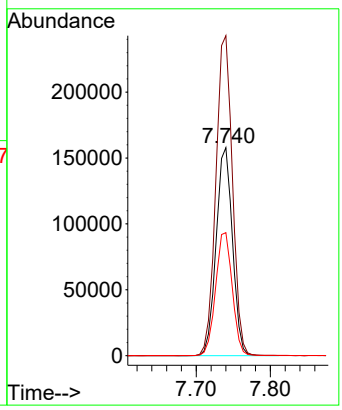


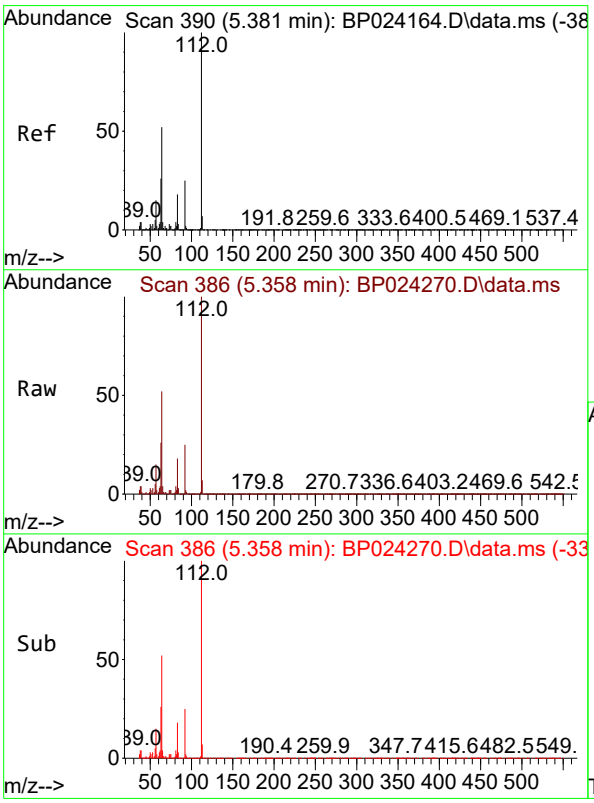
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024270.D
Acq: 11 Apr 2025 17:42

Instrument :
BNA_P
ClientSampleId :
B-158-SB02

Tgt Ion:152 Resp: 241596

Ion	Ratio	Lower	Upper
152	100		
150	153.9	125.5	188.3
115	59.2	46.3	69.5

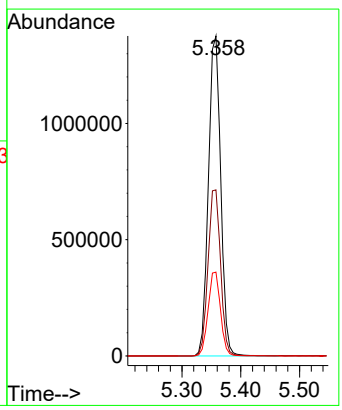


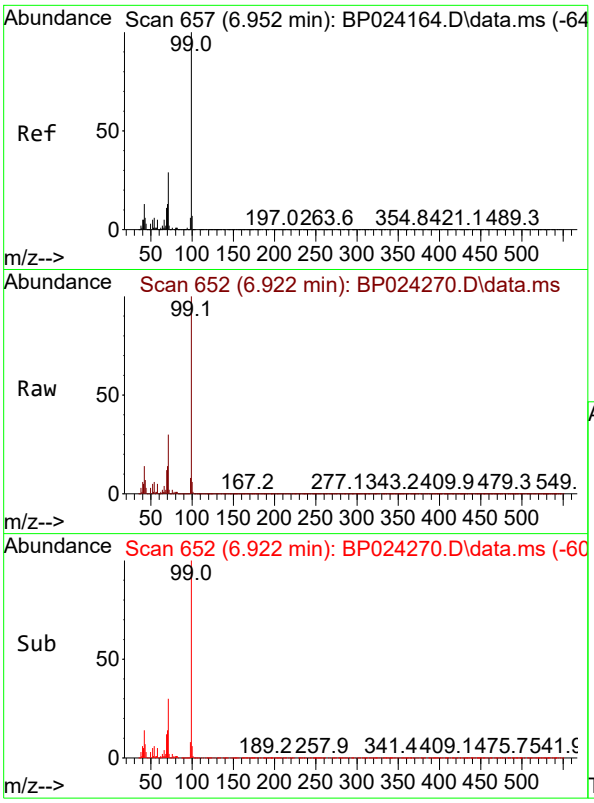


#5
2-Fluorophenol
Concen: 132.054 ng
RT: 5.358 min Scan# 386
Delta R.T. 0.000 min
Lab File: BP024270.D
Acq: 11 Apr 2025 17:42

Tgt Ion:112 Resp: 1998621

Ion	Ratio	Lower	Upper
112	100		
64	51.9	41.3	61.9
63	26.2	20.6	31.0



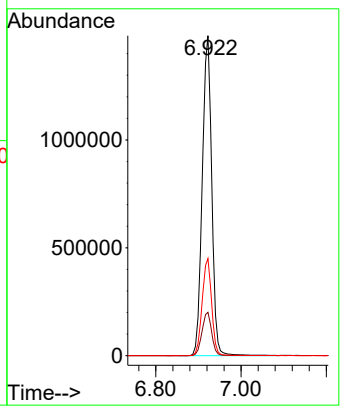


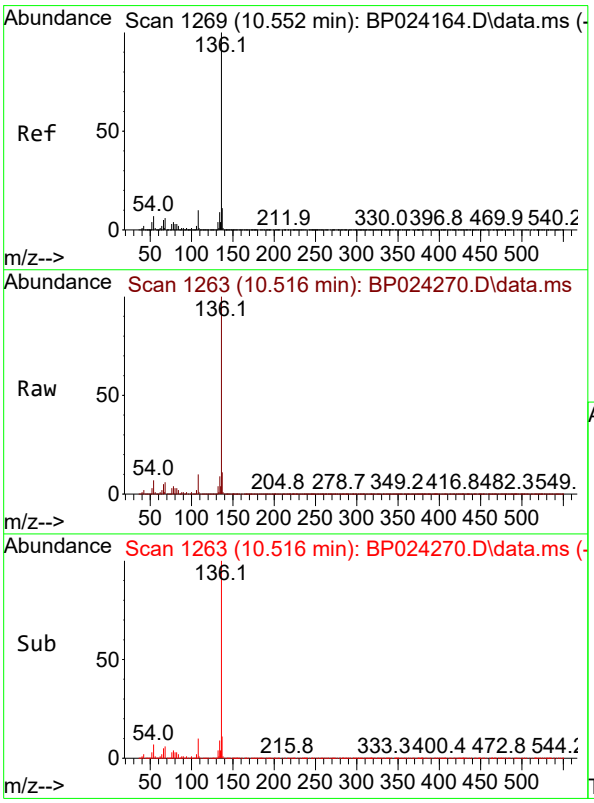
#7
Phenol-d6
Concen: 113.253 ng
RT: 6.922 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024270.D
Acq: 11 Apr 2025 17:42

Instrument :
BNA_P
ClientSampleId :
B-158-SB02

Tgt Ion: 99 Resp: 2292170

Ion	Ratio	Lower	Upper
99	100		
42	13.5	10.6	16.0
71	30.4	23.3	34.9

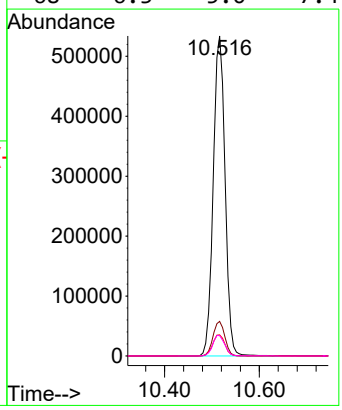


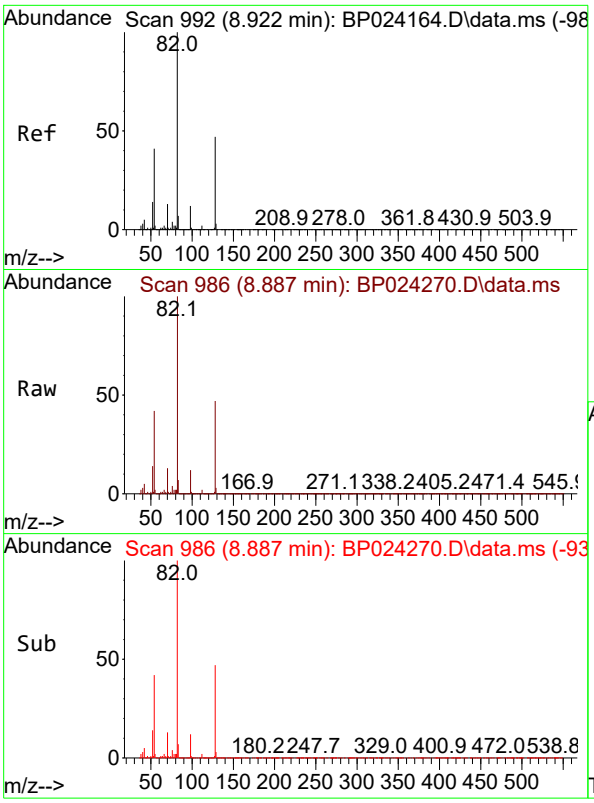


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.516 min Scan# 1263
Delta R.T. -0.012 min
Lab File: BP024270.D
Acq: 11 Apr 2025 17:42

Tgt Ion:136 Resp: 924650

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	6.6	5.3	7.9
68	6.3	5.0	7.4



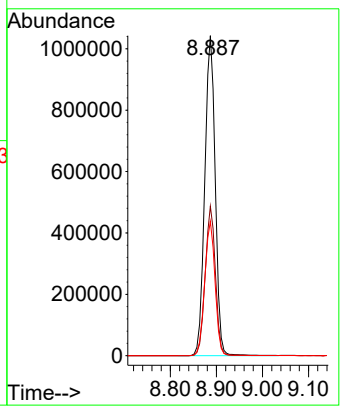


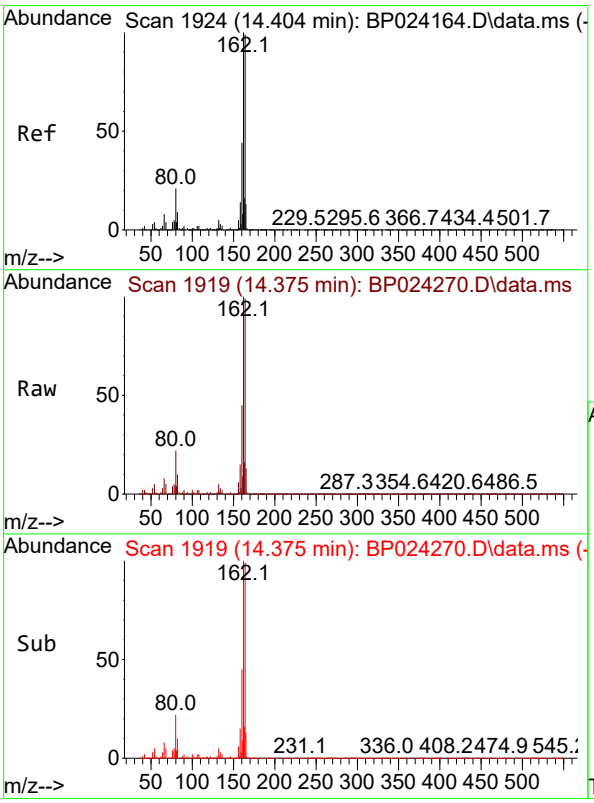
#23
Nitrobenzene-d5
Concen: 101.076 ng
RT: 8.887 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024270.D
Acq: 11 Apr 2025 17:42

Instrument :
BNA_P
ClientSampleId :
B-158-SB02

Tgt Ion: 82 Resp: 1656466

Ion	Ratio	Lower	Upper
82	100		
128	46.7	37.4	56.0
54	42.0	32.5	48.7

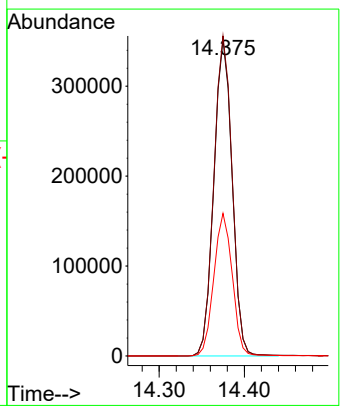


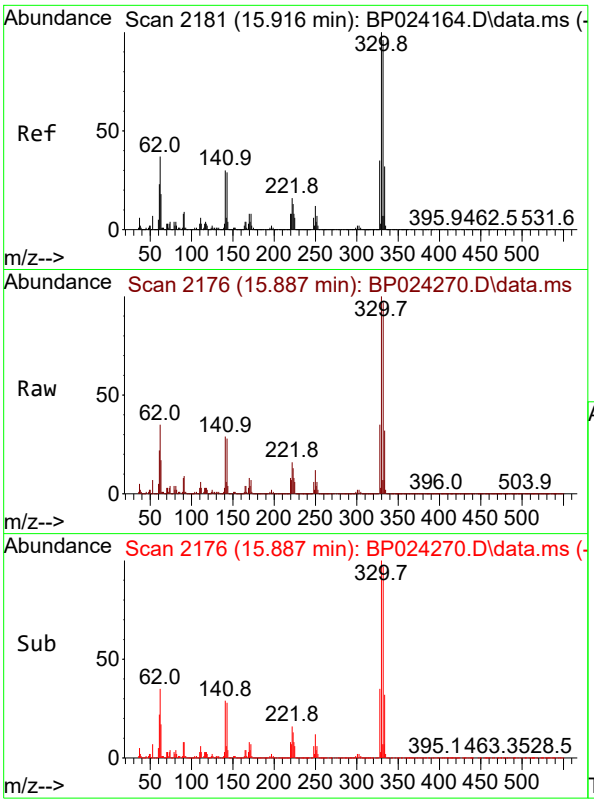


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.375 min Scan# 1919
Delta R.T. -0.017 min
Lab File: BP024270.D
Acq: 11 Apr 2025 17:42

Tgt Ion:164 Resp: 524708

Ion	Ratio	Lower	Upper
164	100		
162	101.2	80.6	121.0
160	45.1	35.4	53.2



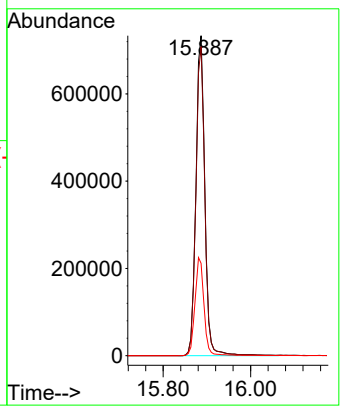


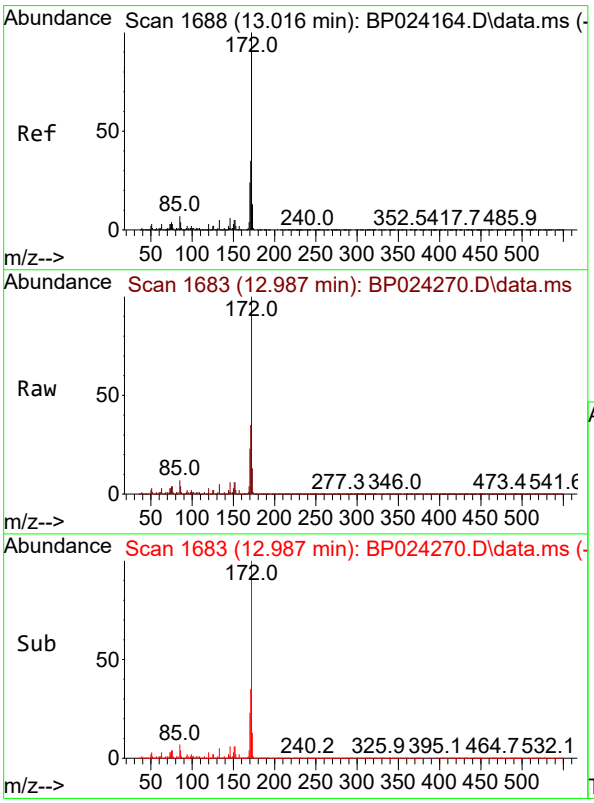
#42
2,4,6-Tribromophenol
Concen: 157.840 ng
RT: 15.887 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024270.D
Acq: 11 Apr 2025 17:42

Instrument :
BNA_P
ClientSampleId :
B-158-SB02

Tgt Ion:330 Resp: 1043223

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.6	116.4
141	31.1	25.0	37.6

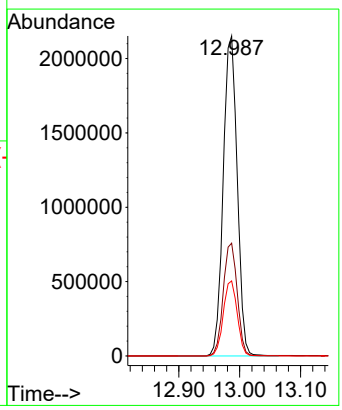


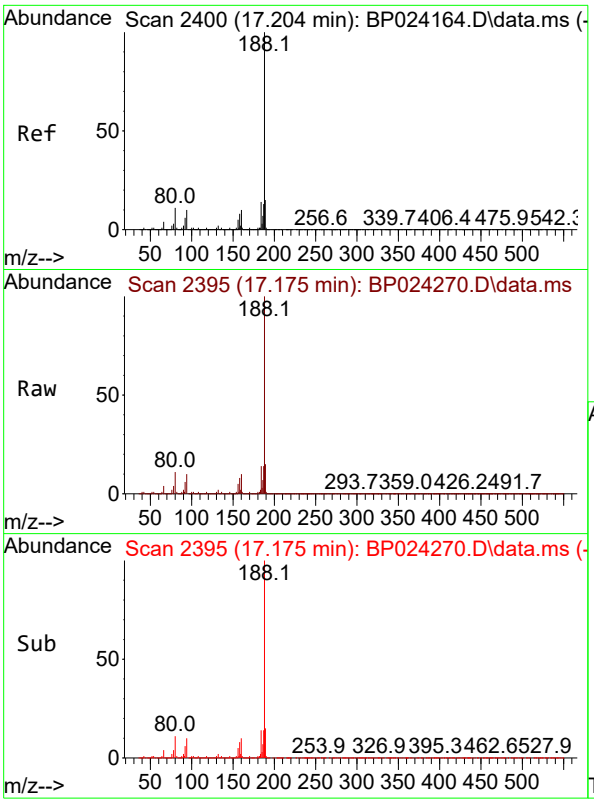


#45
2-Fluorobiphenyl
Concen: 96.372 ng
RT: 12.987 min Scan# 1683
Delta R.T. -0.012 min
Lab File: BP024270.D
Acq: 11 Apr 2025 17:42

Tgt Ion:172 Resp: 3429390

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.3	42.5
170	23.5	19.0	28.4



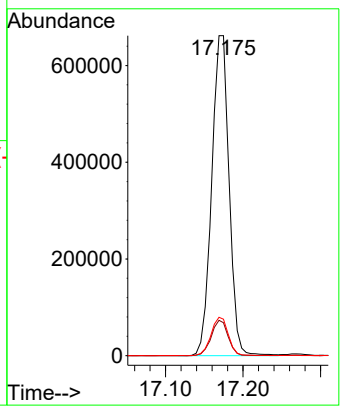


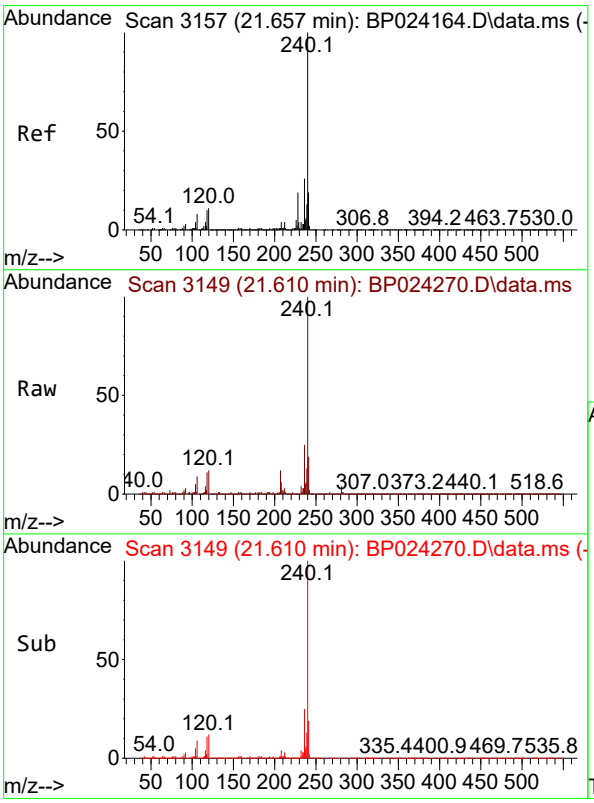
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.175 min Scan# 2
Delta R.T. -0.017 min
Lab File: BP024270.D
Acq: 11 Apr 2025 17:42

Instrument :
BNA_P
ClientSampleId :
B-158-SB02

Tgt Ion:188 Resp: 1030674

Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.1	12.1
80	11.4	8.9	13.3

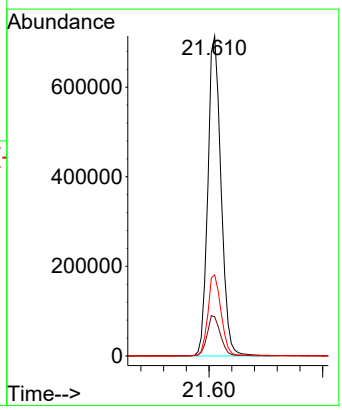


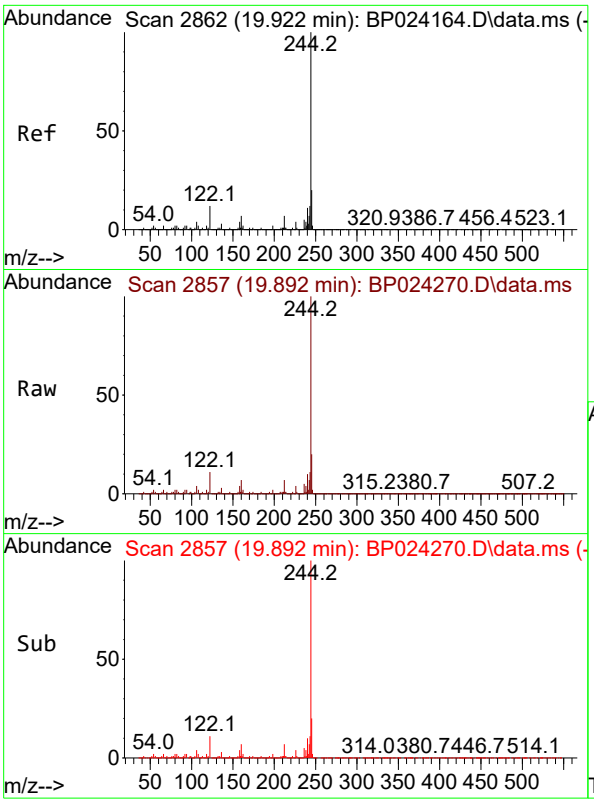


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.610 min Scan# 3149
Delta R.T. -0.035 min
Lab File: BP024270.D
Acq: 11 Apr 2025 17:42

Tgt Ion:240 Resp: 1146421

Ion	Ratio	Lower	Upper
240	100		
120	12.2	9.2	13.8
236	25.3	20.4	30.6



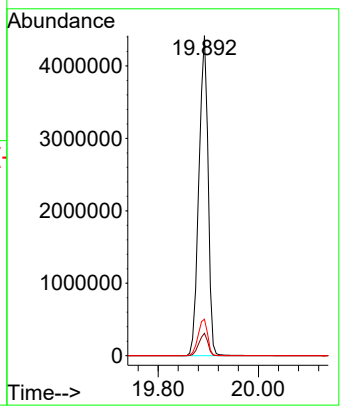


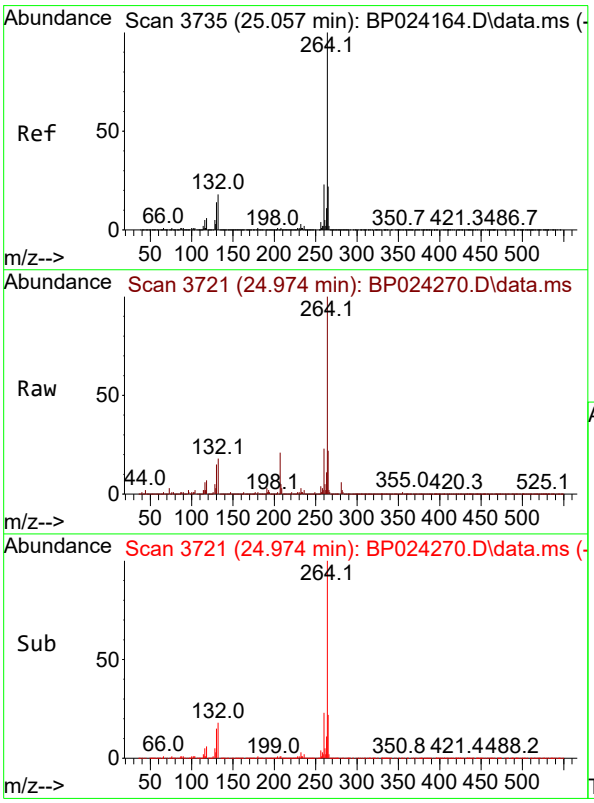
#79
Terphenyl-d14
Concen: 100.693 ng
RT: 19.892 min Scan# 2
Delta R.T. -0.023 min
Lab File: BP024270.D
Acq: 11 Apr 2025 17:42

Instrument :
BNA_P
ClientSampleId :
B-158-SB02

Tgt Ion:244 Resp: 5592269

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	11.4	9.6	14.4

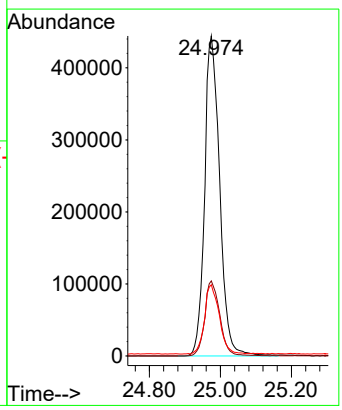




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.974 min Scan# 3721
Delta R.T. -0.035 min
Lab File: BP024270.D
Acq: 11 Apr 2025 17:42

Tgt Ion:264 Resp: 1313027

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.5	27.7
265	22.2	17.7	26.5



CALIBRATION SUMMARY

Raw Data

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1744 SAS No.: Q1744 SDG No.: Q1744

Instrument ID: BNA_P Calibration Date(s): 03/12/2025 03/12/2025

Calibration Time(s): 16:17 21:02

LAB FILE ID: RRF2.5 = BP024160.D RRF005 = BP024161.D RRF010 = BP024162.D
RRF020 = BP024163.D RRF040 = BP024164.D RRF050 = BP024165.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Pyridine		1.296	1.269	1.406	1.311	1.396	1.358	4.7
2-Fluorophenol		1.158	1.194	1.307	1.211	1.291	1.253	5.1
Phenol-d6		1.518	1.581	1.747	1.631	1.749	1.675	5.9
1,4-Dichlorobenzene		1.507	1.474	1.562	1.413	1.493	1.490	3.0
2-Methylphenol		0.932	0.997	1.120	1.038	1.116	1.061	7.0
3+4-Methylphenols		1.265	1.360	1.530	1.433	1.547	1.457	7.5
Nitrobenzene-d5		0.330	0.338	0.366	0.351	0.362	0.354	4.3
Hexachloroethane		0.533	0.512	0.547	0.508	0.533	0.529	2.7
Nitrobenzene		0.330	0.336	0.362	0.341	0.355	0.350	3.9
Hexachlorobutadiene		0.177	0.178	0.187	0.180	0.187	0.185	3.4
2,4,6-Trichlorophenol		0.291	0.324	0.379	0.372	0.391	0.367	12.0
2-Fluorobiphenyl		1.364	1.358	1.420	1.319	1.335	1.356	2.4
2,4,5-Trichlorophenol		0.331	0.362	0.414	0.409	0.422	0.403	10.2
2,4-Dinitrotoluene		0.295	0.334	0.400	0.394	0.423	0.389	14.2
2,4,6-Tribromophenol		0.203	0.222	0.256	0.252	0.270	0.252	11.7
Hexachlorobenzene		0.248	0.249	0.263	0.254	0.263	0.260	3.8
Pentachlorophenol		0.121	0.140	0.166	0.177	0.184	0.168	16.6
Terphenyl-d14		0.967	0.973	1.033	0.948	0.966	0.969	3.4

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP031225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Mar 13 05:55:58 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP024160.D 5 =BP024161.D 10 =BP024162.D 20 =BP024163.D 40 =BP024164.D 50 =BP024165.D 60 =BP024166.D 80 =BP0241
67.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.503	0.499	0.518	0.469	0.496	0.498	0.493	0.497	2.93
3)		Pyridine		1.296	1.269	1.406	1.311	1.396	1.398	1.429	1.358	4.69
4)		n-Nitrosodimet...		0.444	0.436	0.476	0.431	0.461	0.466	0.461	0.454	3.66
5)	S	2-Fluorophenol		1.158	1.194	1.307	1.211	1.291	1.307	1.303	1.253	5.06
6)		Aniline		1.508	1.531	1.656	1.484	1.548	1.512	1.447	1.527	4.31
7)	S	Phenol-d6		1.518	1.581	1.747	1.631	1.749	1.754	1.748	1.675	5.86
8)		2-Chlorophenol		1.257	1.310	1.413	1.306	1.391	1.400	1.397	1.353	4.52
9)		Benzaldehyde		0.971	0.949	0.930	0.780	0.751	0.702	0.577	0.809	18.20
10)	C	Phenol		1.579	1.632	1.754	1.628	1.744	1.752	1.751	1.691	4.46
11)		bis(2-Chloroet...		1.286	1.317	1.407	1.273	1.341	1.358	1.356	1.334	3.45
12)		1,3-Dichlorobe...		1.466	1.448	1.522	1.387	1.477	1.471	1.445	1.459	2.79
13)	C	1,4-Dichlorobe...		1.507	1.474	1.562	1.413	1.493	1.503	1.479	1.490	3.01
14)		1,2-Dichlorobe...		1.446	1.426	1.494	1.358	1.435	1.440	1.411	1.430	2.85
15)		Benzyl Alcohol		0.934	0.966	1.096	1.042	1.122	1.126	1.139	1.061	7.77
16)		2,2'-oxybis(1-...		1.374	1.367	1.434	1.293	1.365	1.362	1.336	1.361	3.11
17)		2-Methylphenol		0.932	0.997	1.120	1.038	1.116	1.113	1.109	1.061	6.96
18)		Hexachloroethane		0.533	0.512	0.547	0.508	0.533	0.538	0.529	0.529	2.67
19)	P	n-Nitroso-di-n...	0.869	0.910	0.956	1.048	0.962	1.026	1.007	0.997	0.972	6.18
20)		3+4-Methylphenols		1.265	1.360	1.530	1.433	1.547	1.530	1.534	1.457	7.50
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.483	0.490	0.531	0.496	0.508	0.519	0.512	0.506	3.37
23)	S	Nitrobenzene-d5		0.330	0.338	0.366	0.351	0.362	0.368	0.367	0.354	4.34
24)		Nitrobenzene		0.330	0.336	0.362	0.341	0.355	0.363	0.361	0.350	3.88
25)		Isophorone		0.532	0.562	0.631	0.602	0.635	0.642	0.649	0.608	7.33
26)	C	2-Nitrophenol		0.126	0.141	0.167	0.171	0.182	0.189	0.192	0.167	14.92
27)		2,4-Dimethylph...		0.186	0.198	0.220	0.215	0.223	0.229	0.232	0.215	7.94
28)		bis(2-Chloroet...		0.414	0.418	0.438	0.418	0.429	0.437	0.439	0.427	2.55
29)	C	2,4-Dichloroph...		0.237	0.263	0.298	0.296	0.306	0.314	0.319	0.291	10.21
30)		1,2,4-Trichlor...		0.310	0.312	0.329	0.312	0.322	0.331	0.331	0.321	2.94
31)		Naphthalene		1.041	1.037	1.099	1.029	1.069	1.078	1.069	1.060	2.38
32)		Benzoic acid			0.148	0.190	0.218	0.239	0.252		0.209	19.82
33)		4-Chloroaniline		0.344	0.356	0.397	0.377	0.394	0.389	0.398	0.379	5.63
34)	C	Hexachlorobuta...		0.177	0.178	0.187	0.180	0.187	0.192	0.191	0.185	3.36
35)		Caprolactam		0.072	0.079	0.097	0.097	0.107	0.104	0.111	0.095	15.56
36)	C	4-Chloro-3-met...		0.261	0.283	0.324	0.314	0.333	0.332	0.348	0.313	9.83
37)		2-Methylnaphth...		0.689	0.684	0.737	0.704	0.731	0.734	0.735	0.716	3.27
38)		1-Methylnaphth...		0.674	0.673	0.728	0.673	0.704	0.705	0.720	0.697	3.32

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP031225.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.548	0.560	0.596	0.558	0.580	0.608	0.596	0.578	3.98
41)	P	Hexachlorocycl...	0.169	0.189	0.214	0.212	0.220	0.234	0.222	0.208	10.65
42)	S	2,4,6-Tribromo...	0.203	0.222	0.256	0.252	0.270	0.275	0.285	0.252	11.69
43)	C	2,4,6-Trichlor...	0.291	0.324	0.379	0.372	0.391	0.409	0.406	0.367	11.98
44)		2,4,5-Trichlor...	0.331	0.362	0.414	0.409	0.422	0.439	0.443	0.403	10.23
45)	S	2-Fluorobiphenyl	1.364	1.358	1.420	1.319	1.335	1.367	1.332	1.356	2.44
46)		1,1'-Biphenyl	1.467	1.475	1.566	1.462	1.493	1.536	1.521	1.503	2.60
47)		2-Chloronaphth...	1.108	1.100	1.180	1.095	1.115	1.164	1.152	1.130	3.01
48)		2-Nitroaniline	0.228	0.252	0.300	0.292	0.311	0.317	0.324	0.289	12.34
49)		Acenaphthylene	1.586	1.628	1.776	1.661	1.749	1.789	1.784	1.710	4.91
50)		Dimethylphthalate	1.351	1.349	1.459	1.358	1.417	1.424	1.439	1.399	3.27
51)		2,6-Dinitrotol...	0.248	0.266	0.303	0.294	0.312	0.316	0.322	0.294	9.40
52)	C	Acenaphthene	1.057	1.056	1.136	1.061	1.096	1.123	1.121	1.093	3.18
53)		3-Nitroaniline	0.253	0.276	0.328	0.322	0.344	0.343	0.359	0.318	12.24
54)	P	2,4-Dinitrophenol		0.108	0.146	0.160	0.179	0.186		0.156	19.97
55)		Dibenzofuran	1.759	1.751	1.835	1.711	1.768	1.799	1.769	1.770	2.18
56)	P	4-Nitrophenol	0.187	0.218	0.271	0.277	0.299	0.296	0.312	0.266	17.41
57)		2,4-Dinitrotol...	0.295	0.334	0.400	0.394	0.423	0.431	0.446	0.389	14.19
58)		Fluorene	1.309	1.343	1.442	1.345	1.407	1.407	1.402	1.379	3.43
59)		2,3,4,6-Tetrac...	0.316	0.323	0.365	0.356	0.371	0.376	0.386	0.356	7.54
60)		Diethylphthalate	1.297	1.336	1.437	1.358	1.422	1.435	1.469	1.394	4.53
61)		4-Chlorophenyl...	0.658	0.660	0.696	0.658	0.685	0.689	0.690	0.676	2.53
62)		4-Nitroaniline	0.246	0.292	0.348	0.343	0.362	0.365	0.379	0.334	14.22
63)		Azobenzene	1.215	1.251	1.369	1.291	1.341	1.363	1.365	1.314	4.73
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.085	0.111	0.120	0.127	0.132	0.137	0.119	15.85
66)	c	n-Nitrosodiphe...	0.564	0.583	0.629	0.600	0.617	0.632	0.626	0.607	4.27
67)		4-Bromophenyl-...	0.206	0.207	0.222	0.217	0.224	0.229	0.231	0.220	4.60
68)		Hexachlorobenzene	0.248	0.249	0.263	0.254	0.263	0.270	0.272	0.260	3.76
69)		Atrazine	0.165	0.171	0.157	0.135	0.105			0.147	18.49
70)	C	Pentachlorophenol	0.121	0.140	0.166	0.177	0.184	0.190	0.197	0.168	16.61
71)		Phenanthrene	1.068	1.059	1.126	1.083	1.100	1.111	1.102	1.093	2.19
72)		Anthracene	0.993	1.012	1.101	1.063	1.092	1.090	1.098	1.064	4.16
73)		Carbazole	0.920	0.975	1.060	1.041	1.060	1.061	1.066	1.026	5.50
74)		Di-n-butylphth...	1.026	1.121	1.247	1.260	1.272	1.297	1.304	1.218	8.57
75)	C	Fluoranthene	1.173	1.220	1.287	1.264	1.305	1.298	1.312	1.265	4.07
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.222	0.199	0.178	0.258	0.173	0.278	0.222	0.219	17.88
78)		Pyrene	1.177	1.190	1.299	1.204	1.266	1.293	1.274	1.243	4.12
79)	S	Terphenyl-d14	0.967	0.973	1.033	0.948	0.966	0.971	0.924	0.969	3.45
80)		Butylbenzylpht...	0.399	0.441	0.513	0.524	0.554	0.581	0.576	0.513	13.49
81)		Benzo(a)anthra...	1.194	1.194	1.291	1.208	1.261	1.285	1.271	1.243	3.47
82)		3,3'-Dichlorob...	0.340	0.369	0.429	0.428	0.434	0.467	0.450	0.417	10.94
83)		Chrysene	1.185	1.159	1.224	1.158	1.212	1.220	1.209	1.195	2.36
84)		Bis(2-ethylhex...	0.613	0.678	0.784	0.792	0.819	0.878	0.851	0.774	12.30
85)	c	Di-n-octyl pht...	0.922	1.033	1.224	1.272	1.357	1.435	1.433	1.240	15.95

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP031225.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.274	1.289	1.421	1.366	1.442	1.479	1.499	1.396	6.38
88)		Benzo(b)fluora...	1.103	1.116	1.258	1.190	1.244	1.266	1.264	1.206	5.85
89)		Benzo(k)fluora...	1.092	1.136	1.213	1.130	1.203	1.251	1.232	1.180	5.07
90)	C	Benzo(a)pyrene	0.953	0.959	1.065	1.029	1.094	1.119	1.122	1.049	6.77
91)		Dibenzo(a,h)an...	1.063	1.083	1.184	1.137	1.191	1.226	1.244	1.161	5.97
92)		Benzo(g,h,i)pe...	1.097	1.107	1.199	1.154	1.202	1.246	1.259	1.180	5.39

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024160.D
Acq On : 12 Mar 2025 16:17
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Mar 13 04:04:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	323931	20.000	ng	0.00
21) Naphthalene-d8	10.546	136	1324397	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	805172	20.000	ng	0.00
64) Phenanthrene-d10	17.216	188	1551813	20.000	ng	0.01
76) Chrysene-d12	21.669	240	1615554	20.000	ng	0.01
86) Perylene-d12	25.074	264	1740877	20.000	ng	0.02
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...	8.569	70	35203	2.454	ng	98

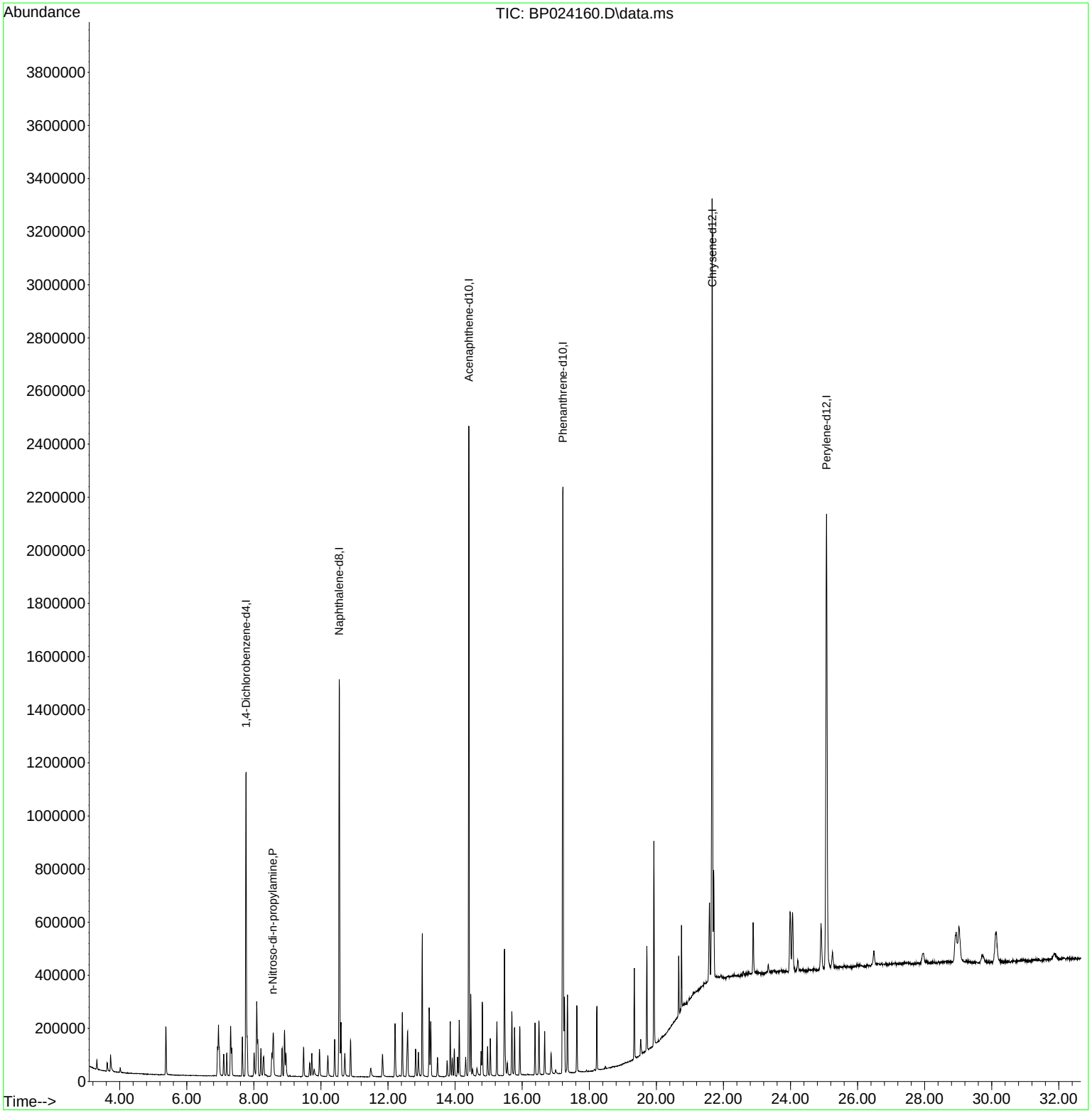
(#) = qualifier out of range (m) = manual integration (+) = signals summed

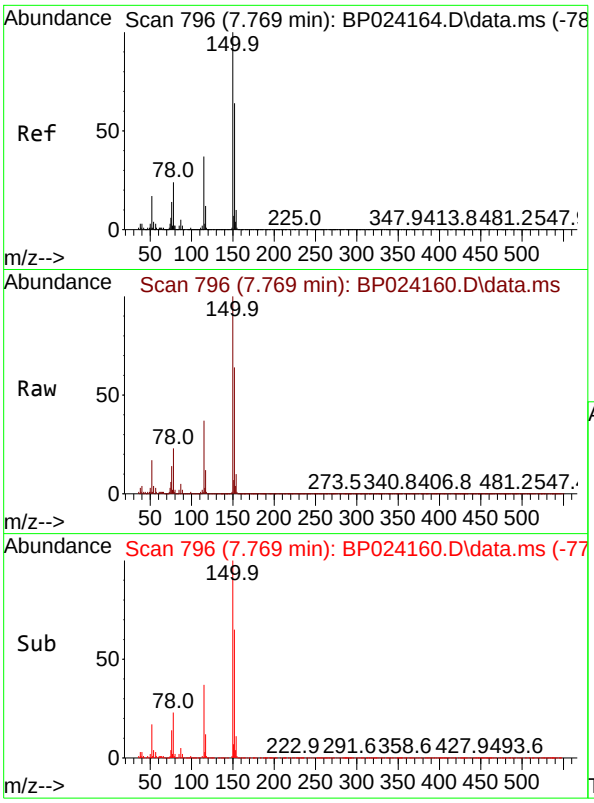
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024160.D
Acq On : 12 Mar 2025 16:17
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Mar 13 04:04:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration



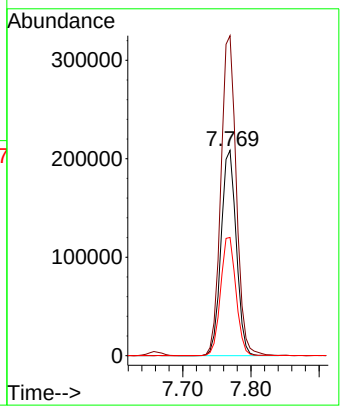


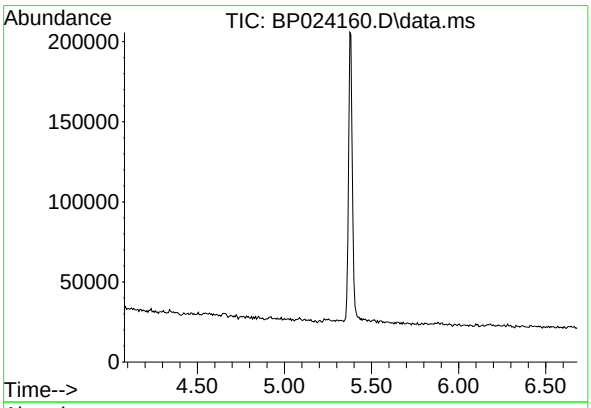
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024160.D
Acq: 12 Mar 2025 16:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 323931

Ion	Ratio	Lower	Upper
152	100		
150	155.9	125.5	188.3
115	57.6	46.3	69.5



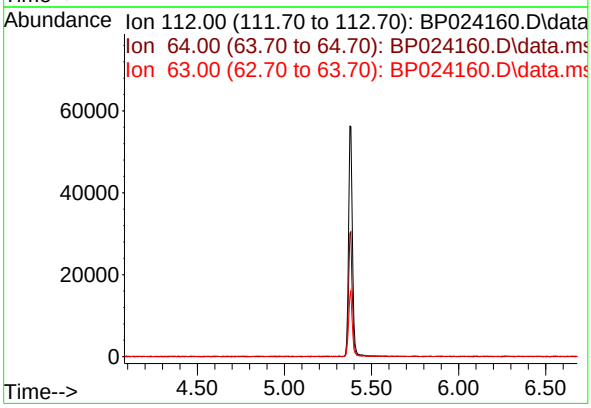


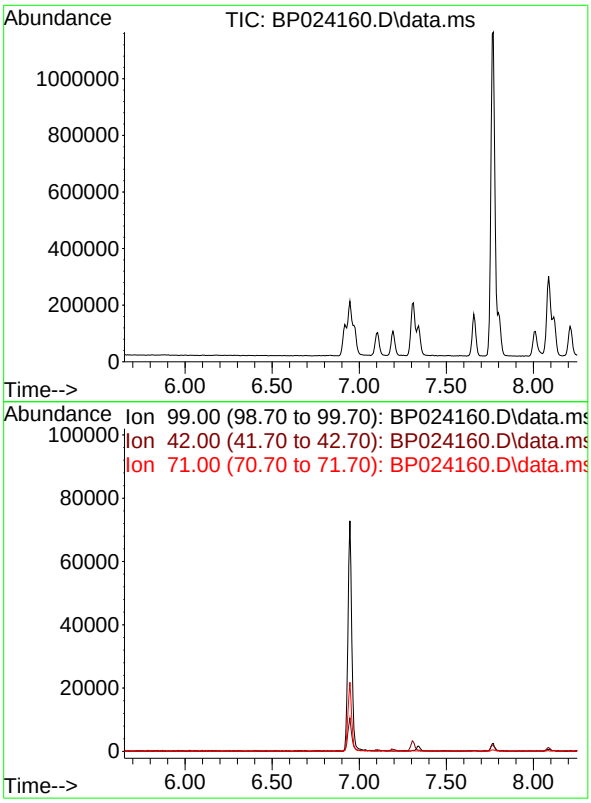
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.38 min

Lab File: BP024160.D
Acq: 12 Mar 2025 16:17

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	51.6
63	25.8





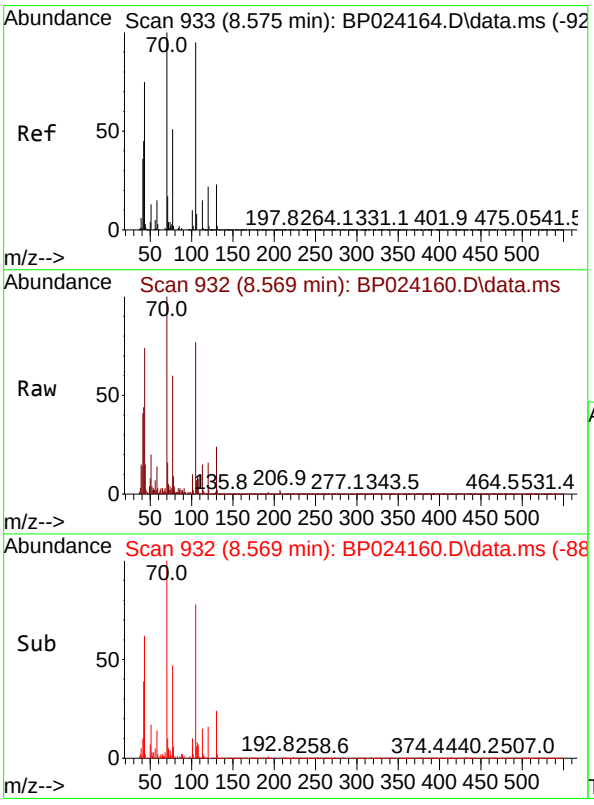
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.95 min

Lab File: BP024160.D
Acq: 12 Mar 2025 16:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

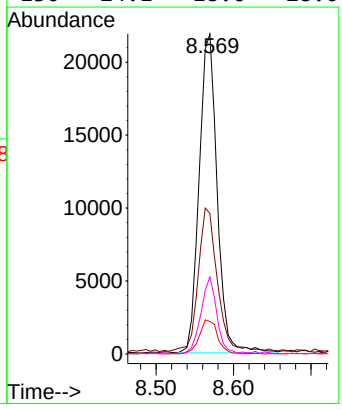
Sig	Exp Ratio
99	100
42	13.3
71	29.1

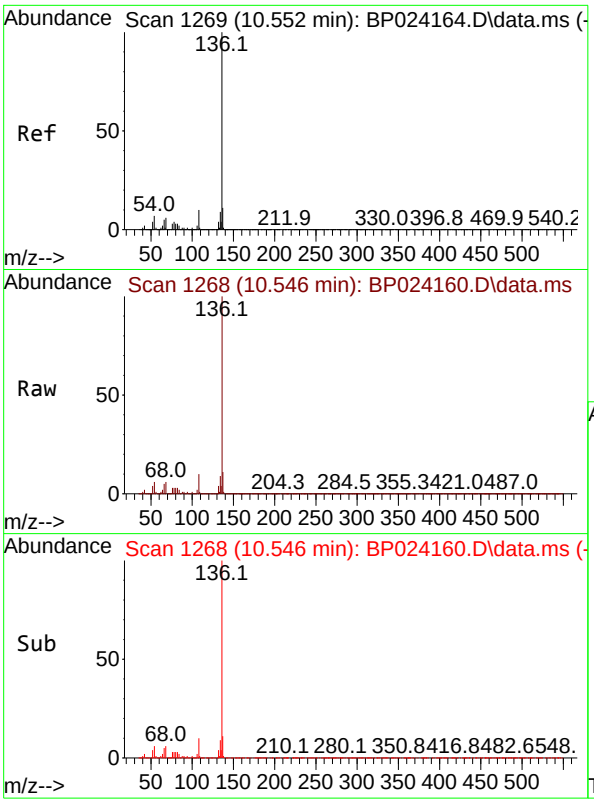


#19
n-Nitroso-di-n-propylamine
Concen: 2.454 ng
RT: 8.569 min Scan# 932
Delta R.T. -0.006 min
Lab File: BP024160.D
Acq: 12 Mar 2025 16:17

Tgt Ion: 70 Resp: 35203

Ion	Ratio	Lower	Upper
70	100		
42	43.9	36.0	54.0
101	10.2	8.3	12.5
130	24.1	18.6	28.0



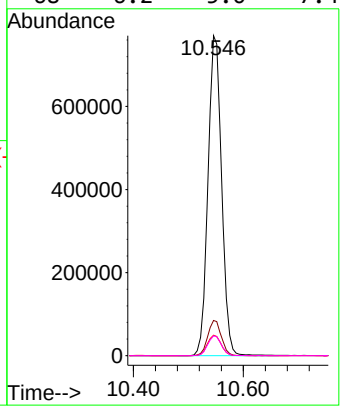


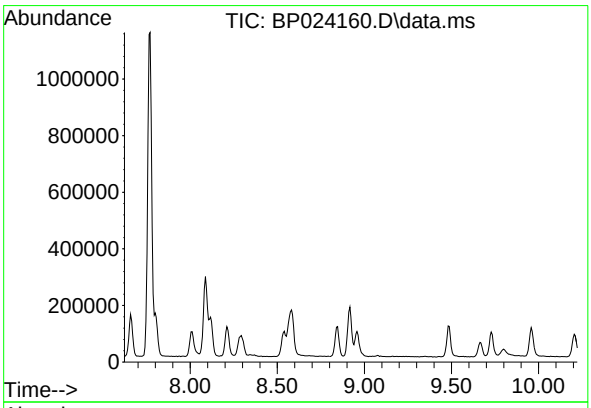
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.546 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024160.D
Acq: 12 Mar 2025 16:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 1324397

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	6.4	5.3	7.9
68	6.2	5.0	7.4



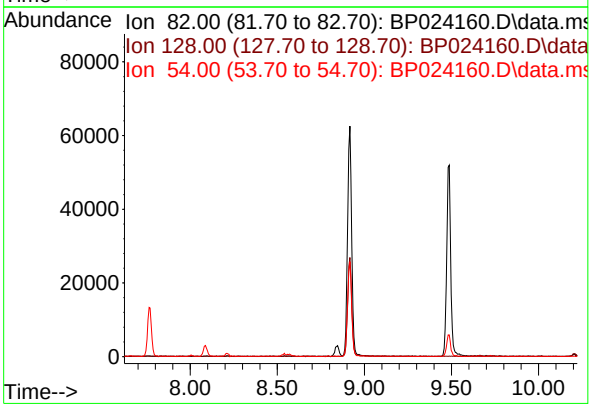


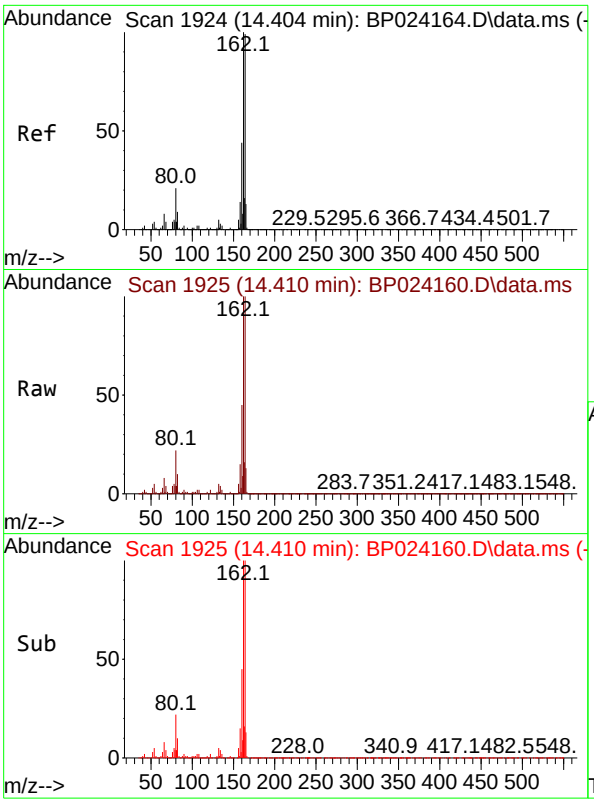
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 8.92 min

Lab File: BP024160.D
Acq: 12 Mar 2025 16:17

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	46.7
54	40.6



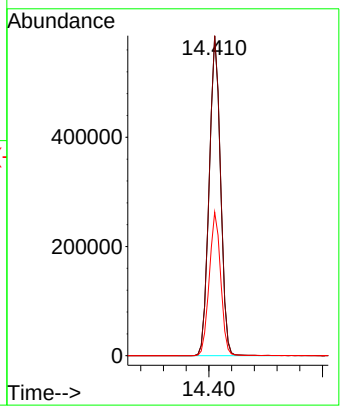


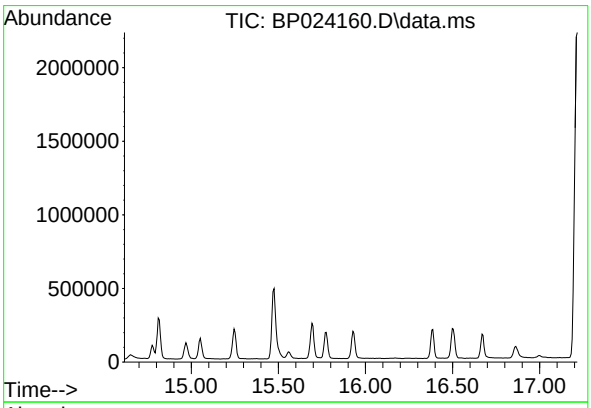
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024160.D
Acq: 12 Mar 2025 16:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 805172

Ion	Ratio	Lower	Upper
164	100		
162	100.1	80.6	121.0
160	44.9	35.4	53.2



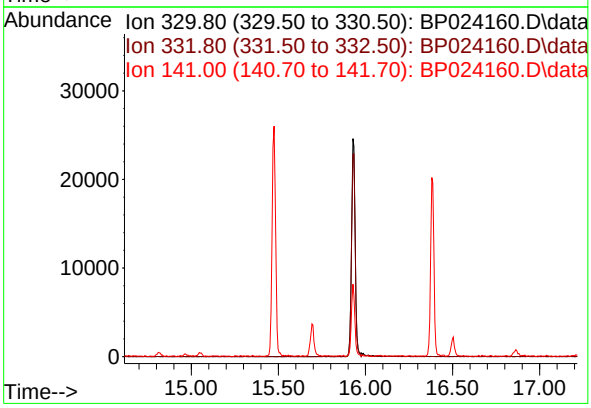


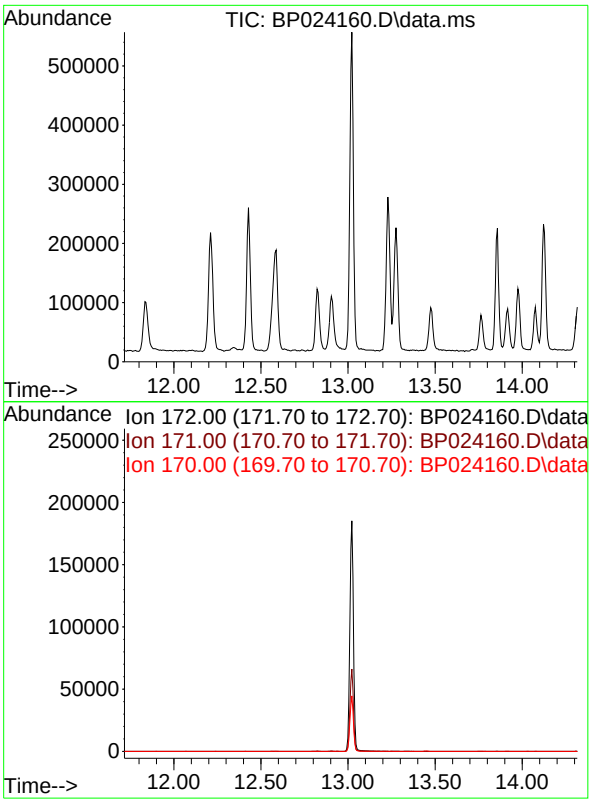
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.92 min

Lab File: BP024160.D
Acq: 12 Mar 2025 16:17

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	97.0
141	31.3





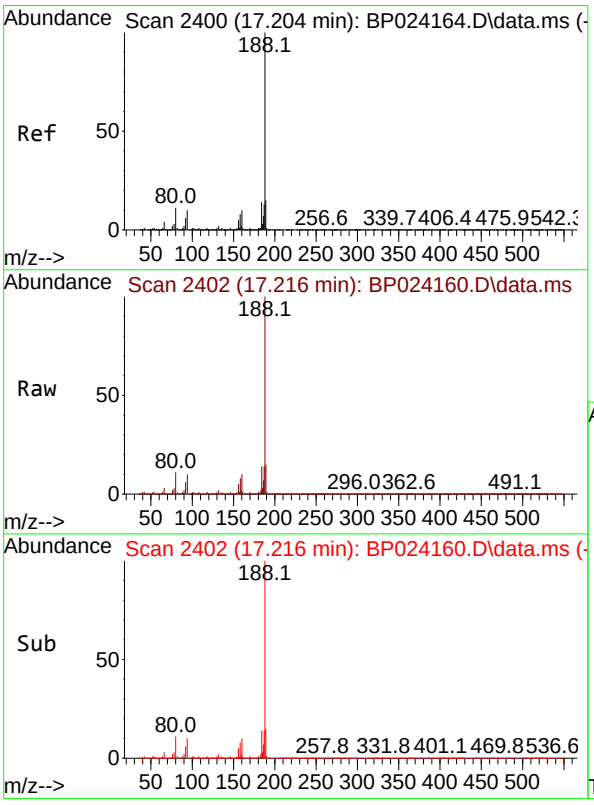
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.02 min

Lab File: BP024160.D
Acq: 12 Mar 2025 16:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

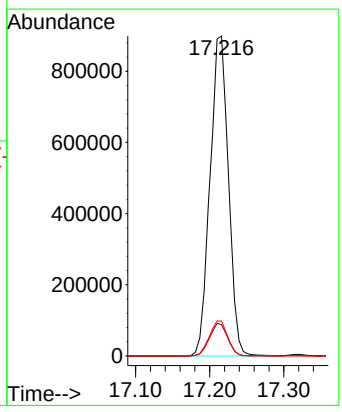
Sig	Exp Ratio
172	100
171	35.4
170	23.7

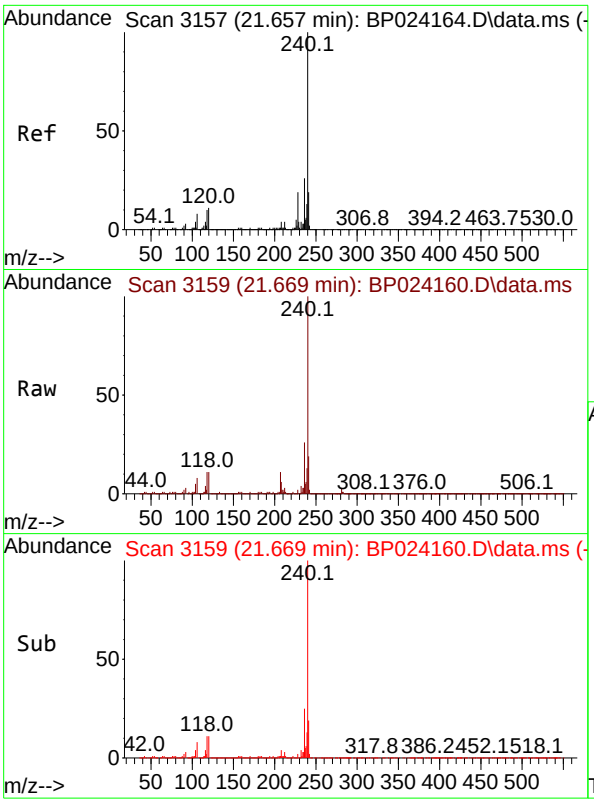


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.216 min Scan# 2402
Delta R.T. 0.012 min
Lab File: BP024160.D
Acq: 12 Mar 2025 16:17

Tgt Ion:188 Resp: 1551813

Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.1	12.1
80	10.9	8.9	13.3



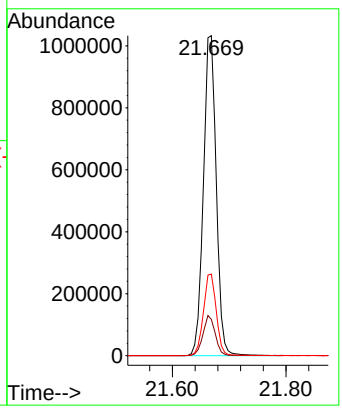


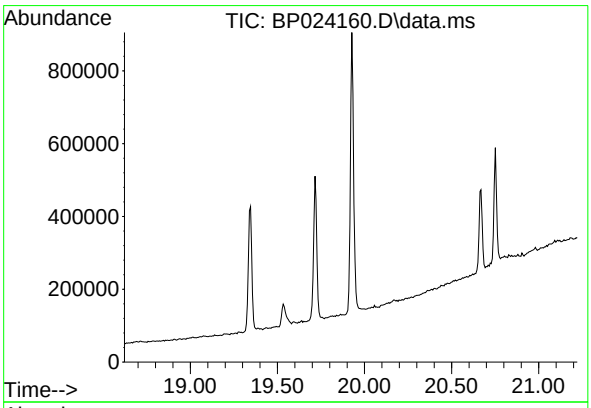
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.669 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP024160.D
Acq: 12 Mar 2025 16:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 1615554

Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.2	13.8
236	25.5	20.4	30.6



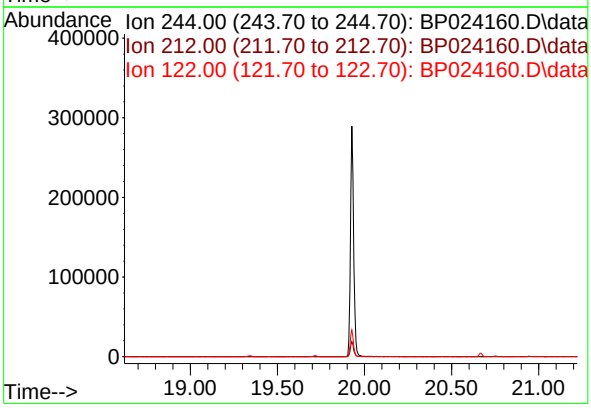


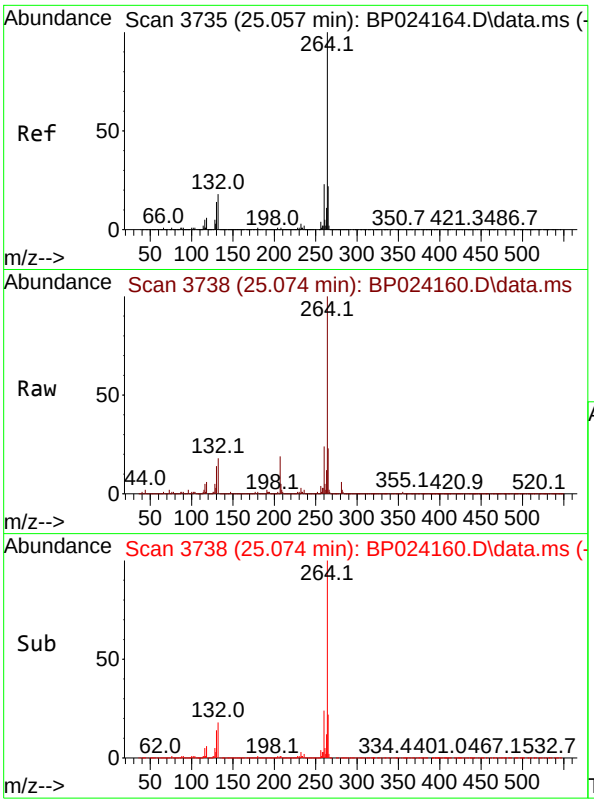
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.92 min

Lab File: BP024160.D
Acq: 12 Mar 2025 16:17

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.1
122	12.0



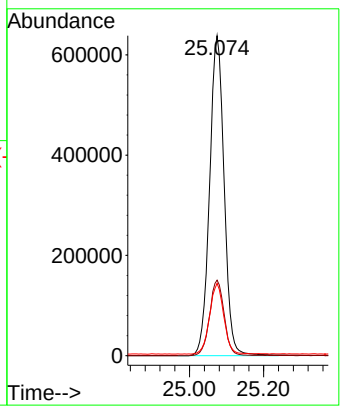


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.074 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024160.D
Acq: 12 Mar 2025 16:17

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 1740877

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.5	27.7
265	22.6	17.7	26.5



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024161.D
Acq On : 12 Mar 2025 16:57
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Quant Time: Mar 13 04:05:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.769	152	318045	20.000	ng		0.00
21) Naphthalene-d8	10.552	136	1309940	20.000	ng		0.00
39) Acenaphthene-d10	14.410	164	799469	20.000	ng		0.00
64) Phenanthrene-d10	17.222	188	1516956	20.000	ng		0.02
76) Chrysene-d12	21.669	240	1578855	20.000	ng		0.01
86) Perylene-d12	25.080	264	1694453	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.381	112	184089	9.032	ng		0.00
7) Phenol-d6	6.952	99	241350	9.213	ng		0.00
23) Nitrobenzene-d5	8.916	82	216074	9.202	ng		0.00
42) 2,4,6-Tribromophenol	15.934	330	81159	8.288	ng		0.02
45) 2-Fluorobiphenyl	13.016	172	545120	9.532	ng		0.00
79) Terphenyl-d14	19.951	244	763023	9.563	ng		0.03
Target Compounds							Qvalue
2) 1,4-Dioxane	3.323	88	40006	5.003	ng		97
3) Pyridine	3.723	79	103023	4.956	ng		97
4) n-Nitrosodimethylamine	3.628	42	35306	4.788	ng	#	92
6) Aniline	7.105	93	119908	4.998	ng		100
8) 2-Chlorophenol	7.340	128	99927	4.632	ng		98
9) Benzaldehyde	6.922	77	77223m	6.456	ng		
10) Phenol	6.975	94	125574	4.767	ng		98
11) bis(2-Chloroethyl)ether	7.199	93	102214	4.926	ng		98
12) 1,3-Dichlorobenzene	7.664	146	116531	4.917	ng		100
13) 1,4-Dichlorobenzene	7.805	146	119798	4.998	ng		99
14) 1,2-Dichlorobenzene	8.122	146	114960	4.998	ng		99
15) Benzyl Alcohol	8.011	79	74252	4.630	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.287	45	109209	5.422	ng		98
17) 2-Methylphenol	8.216	107	74107	4.616	ng		96
18) Hexachloroethane	8.846	117	42376	4.909	ng		96
19) n-Nitroso-di-n-propyla...	8.569	70	72383	5.139	ng		98
20) 3+4-Methylphenols	8.540	107	100588	4.606	ng		98
22) Acetophenone	8.587	105	158185	4.699	ng	#	99
24) Nitrobenzene	8.958	77	108086	4.677	ng		96
25) Isophorone	9.487	82	174338	4.540	ng		100
26) 2-Nitrophenol	9.669	139	41305	3.880	ng		98
27) 2,4-Dimethylphenol	9.734	122	60843	4.354	ng		96
28) bis(2-Chloroethoxy)met...	9.957	93	135529	4.872	ng		99
29) 2,4-Dichlorophenol	10.205	162	77653	4.072	ng		99
30) 1,2,4-Trichlorobenzene	10.416	180	101518	4.646	ng		99
31) Naphthalene	10.599	128	340918	4.840	ng		99
33) 4-Chloroaniline	10.710	127	112776	4.545	ng		98
34) Hexachlorobutadiene	10.887	225	58080	4.589	ng		97
35) Caprolactam	11.475	113	23432	4.057	ng		95
36) 4-Chloro-3-methylphenol	11.840	107	85333	4.352	ng		99
37) 2-Methylnaphthalene	12.216	142	225485	4.817	ng		100
38) 1-Methylnaphthalene	12.434	142	220784	4.848	ng		99
40) 1,2,4,5-Tetrachloroben...	12.587	216	109528	4.459	ng		99
41) Hexachlorocyclopentadiene	12.569	237	33755	3.693	ng		100
43) 2,4,6-Trichlorophenol	12.822	196	58172	3.883	ng		98
44) 2,4,5-Trichlorophenol	12.904	196	66250	4.044	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024161.D
Acq On : 12 Mar 2025 16:57
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Quant Time: Mar 13 04:05:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46)	1,1'-Biphenyl	13.234	154	293289	4.721	ng	98
47)	2-Chloronaphthalene	13.275	162	221413	4.715	ng	98
48)	2-Nitroaniline	13.475	65	45667	4.117	ng	88
49)	Acenaphthylene	14.128	152	316902	4.580	ng	99
50)	Dimethylphthalate	13.857	163	270053	4.789	ng	100
51)	2,6-Dinitrotoluene	13.975	165	49593	4.317	ng	97
52)	Acenaphthene	14.475	154	211290	4.742	ng	99
53)	3-Nitroaniline	14.310	138	50611	4.129	ng	99
55)	Dibenzofuran	14.822	168	351651	4.858	ng	100
56)	4-Nitrophenol	14.645	139	37281	3.521	ng	93
57)	2,4-Dinitrotoluene	14.775	165	58882	3.946	ng	90
58)	Fluorene	15.481	166	261676	4.629	ng	99
59)	2,3,4,6-Tetrachlorophenol	15.045	232	63120	4.441	ng	98
60)	Diethylphthalate	15.251	149	259242	4.631	ng	98
61)	4-Chlorophenyl-phenyle...	15.481	204	131441	4.724	ng	99
62)	4-Nitroaniline	15.498	138	49239	3.871	ng	95
63)	Azobenzene	15.775	77	242768	4.628	ng	97
66)	n-Nitrosodiphenylamine	15.692	169	213927	4.522	ng	99
67)	4-Bromophenyl-phenylether	16.392	248	78309	4.597	ng	93
68)	Hexachlorobenzene	16.510	284	94130	4.696	ng	98
69)	Atrazine	16.669	200	62551	5.152	ng	98
70)	Pentachlorophenol	16.869	266	45885	3.525	ng	99
71)	Phenanthrene	17.263	178	404881	4.734	ng	99
72)	Anthracene	17.357	178	376601	4.595	ng	99
73)	Carbazole	17.634	167	349000	4.469	ng	99
74)	Di-n-butylphthalate	18.234	149	389057	4.270	ng	99
75)	Fluoranthene	19.351	202	444670	4.597	ng	97
77)	Benzidine	19.545	184	87777	4.562	ng	98
78)	Pyrene	19.722	202	464704	4.634	ng	99
80)	Butylbenzylphthalate	20.675	149	157601	4.101	ng	99
81)	Benzo(a)anthracene	21.651	228	471347	4.761	ng	99
82)	3,3'-Dichlorobenzidine	21.580	252	134146	4.336	ng	99
83)	Chrysene	21.722	228	467600	4.898	ng	99
84)	Bis(2-ethylhexyl)phtha...	21.598	149	242048	4.153	ng	99
85)	Di-n-octyl phthalate	22.898	149	363786	3.905	ng	98
87)	Indeno(1,2,3-cd)pyrene	28.945	276	539523	4.476	ng	97
88)	Benzo(b)fluoranthene	24.004	252	467406	4.344	ng	99
89)	Benzo(k)fluoranthene	24.069	252	462653	4.417	ng	99
90)	Benzo(a)pyrene	24.910	252	403692	4.421	ng	99
91)	Dibenzo(a,h)anthracene	29.015	278	450461	4.444	ng	98
92)	Benzo(g,h,i)perylene	30.133	276	464721	4.518	ng	99

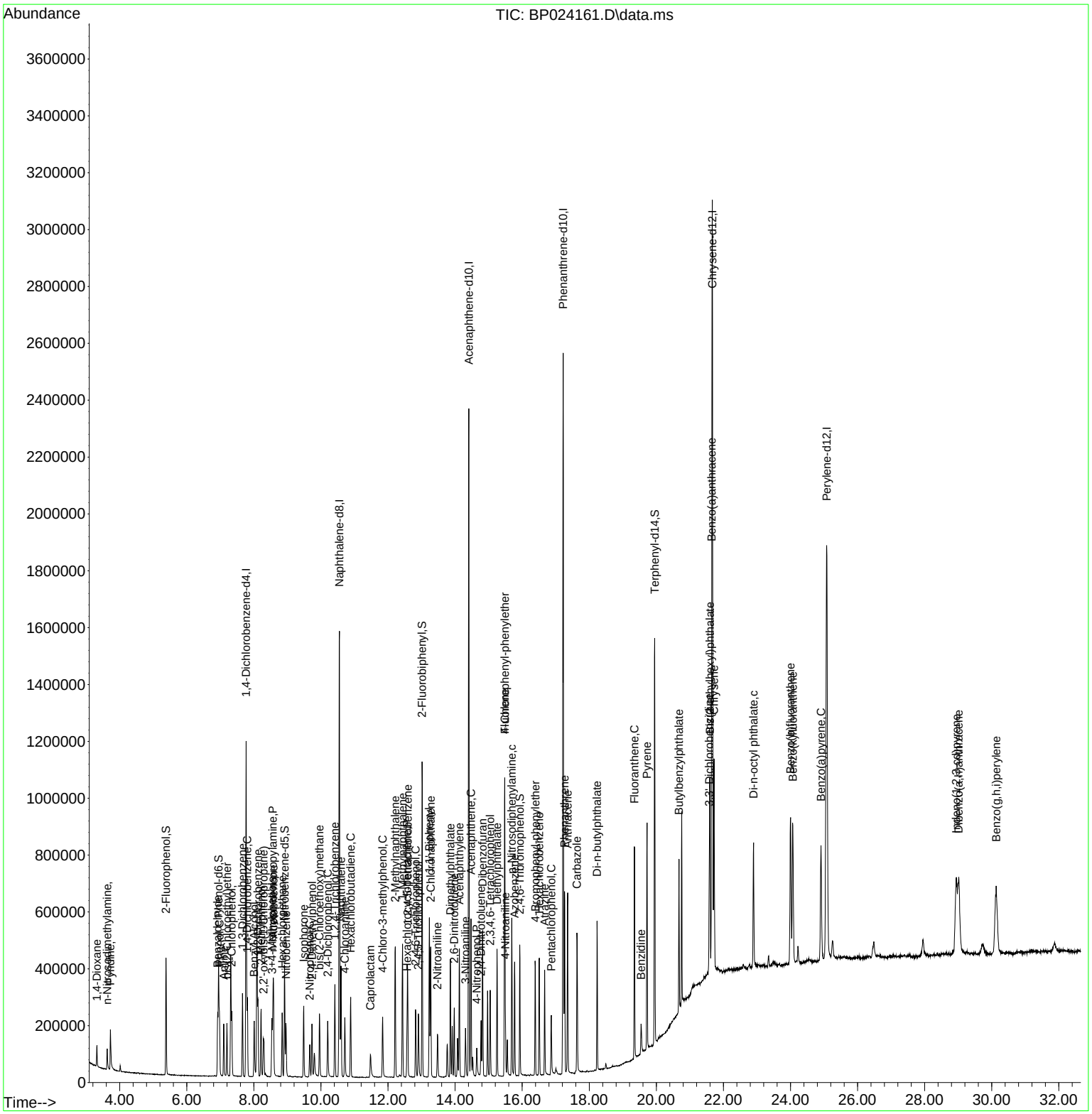
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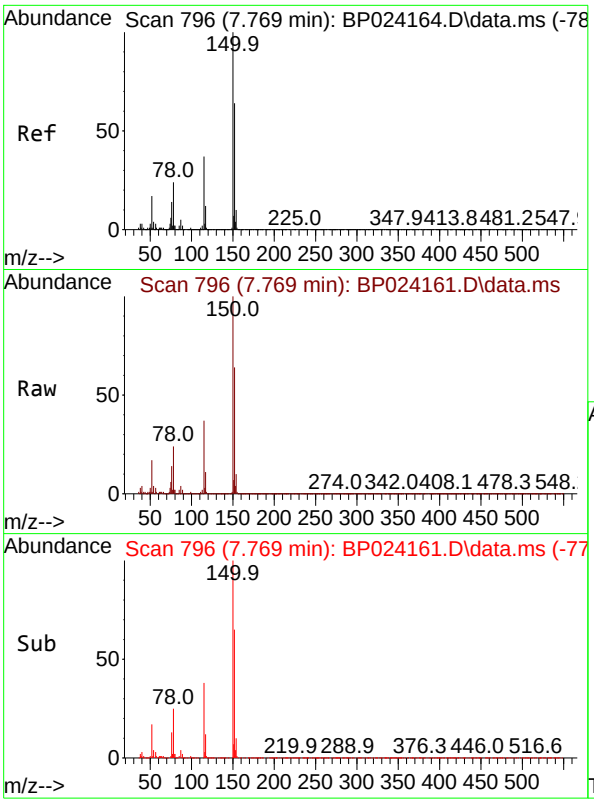
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024161.D
Acq On : 12 Mar 2025 16:57
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Quant Time: Mar 13 04:05:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration



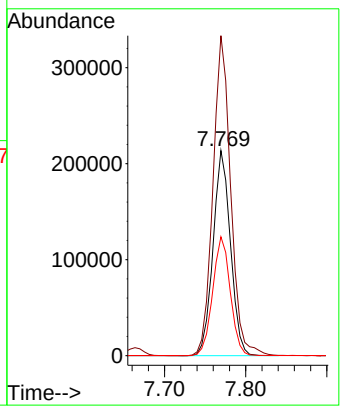


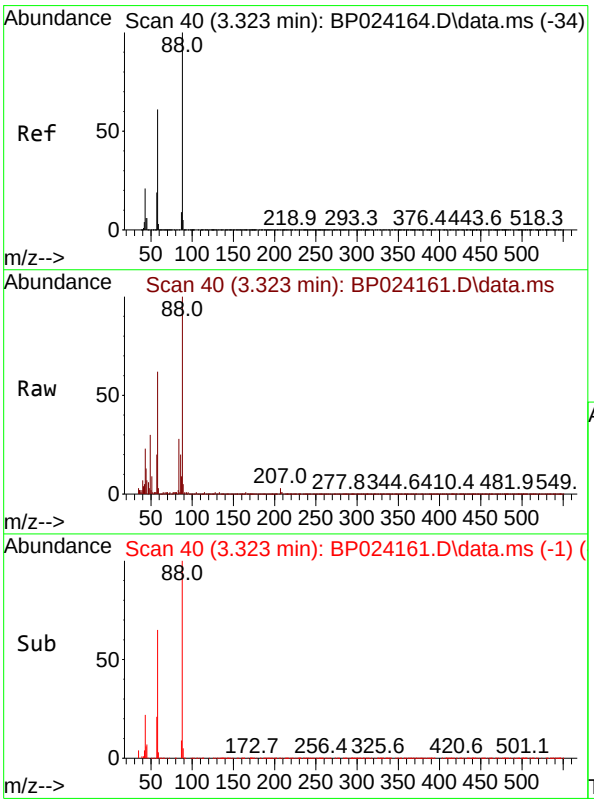
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 318045

Ion	Ratio	Lower	Upper
152	100		
150	156.0	125.5	188.3
115	57.9	46.3	69.5

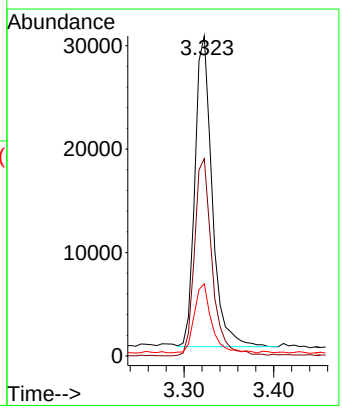


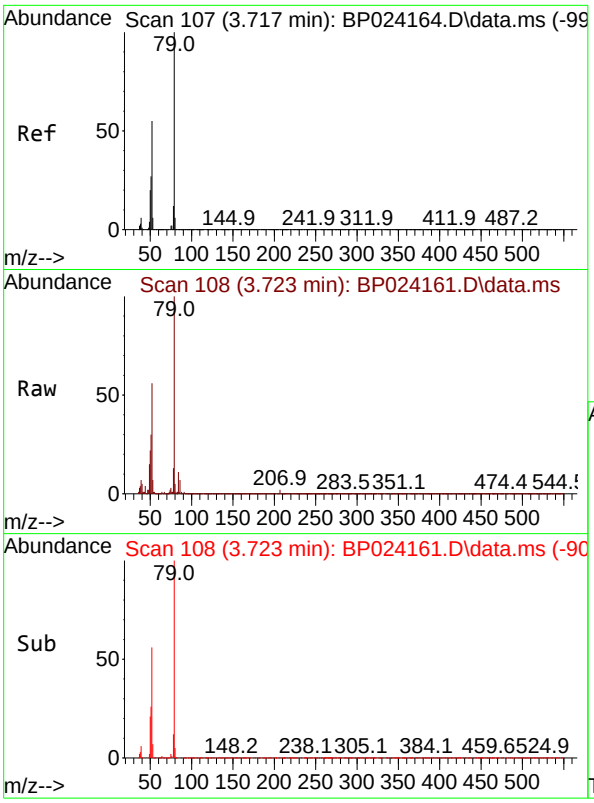


#2
1,4-Dioxane
Concen: 5.003 ng
RT: 3.323 min Scan# 40
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion: 88 Resp: 40006

Ion	Ratio	Lower	Upper
88	100		
58	64.7	49.8	74.6
43	22.3	17.3	25.9



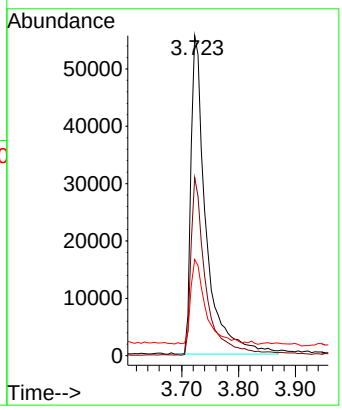


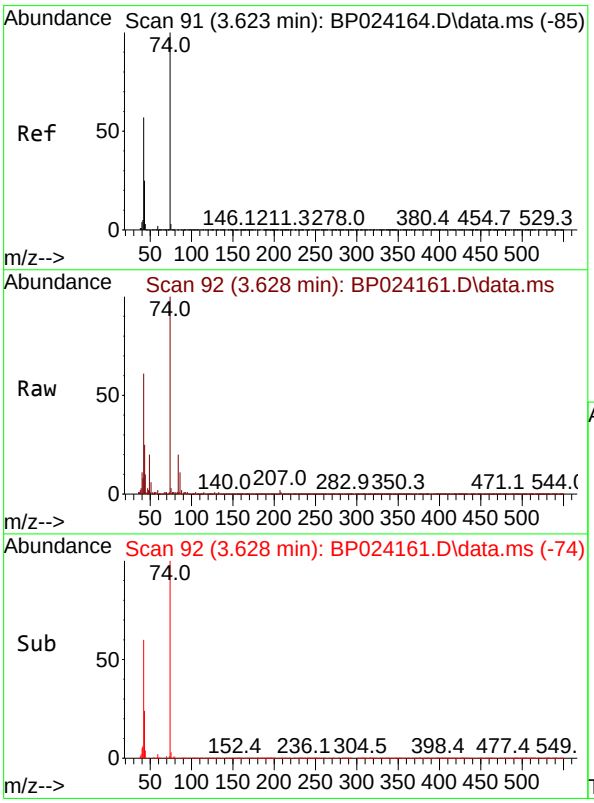
#3
Pyridine
Concen: 4.956 ng
RT: 3.723 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 103023

Ion	Ratio	Lower	Upper
79	100		
52	55.7	43.8	65.8
51	30.1	21.6	32.4

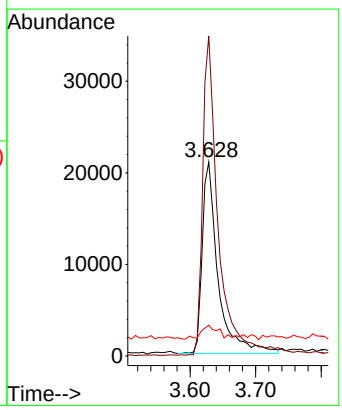


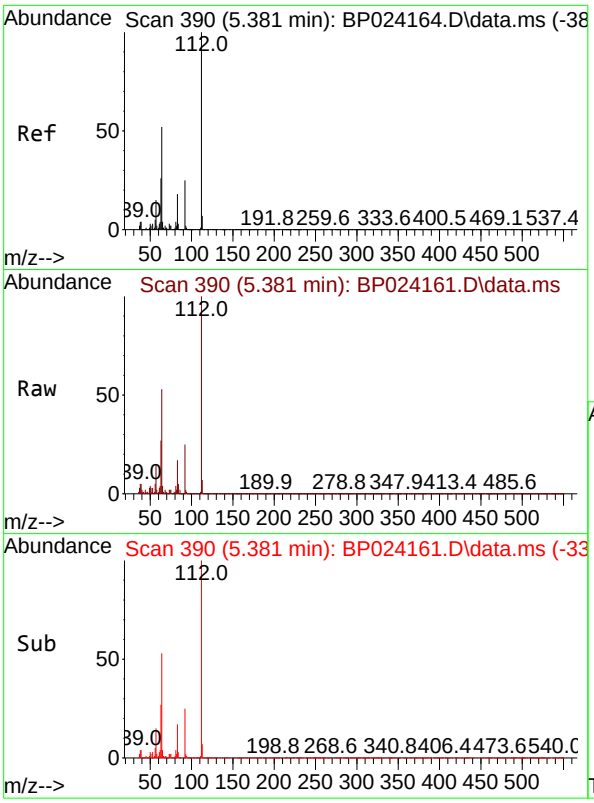


#4
n-Nitrosodimethylamine
Concen: 4.788 ng
RT: 3.628 min Scan# 92
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion: 42 Resp: 35306

Ion	Ratio	Lower	Upper
42	100		
74	165.1	139.8	209.6
44	15.9	5.3	7.9#



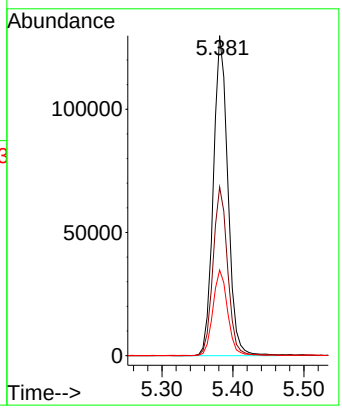


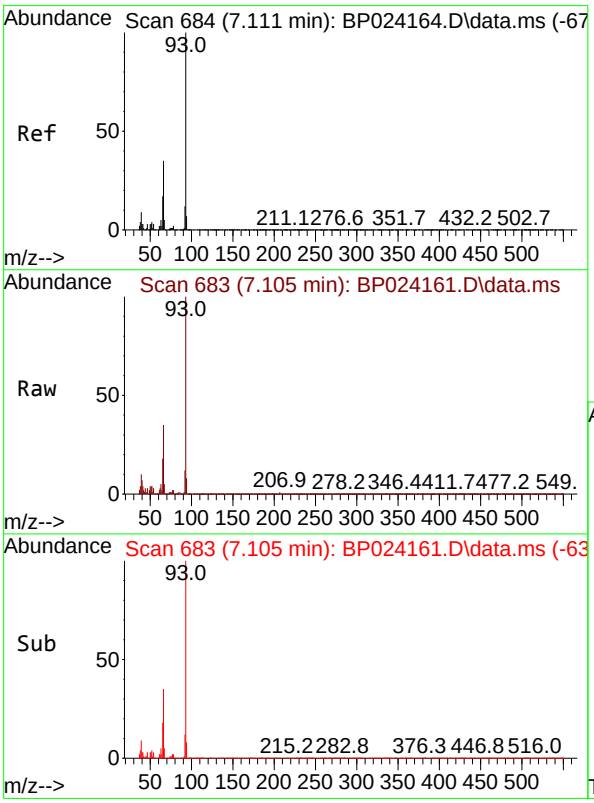
#5
2-Fluorophenol
Concen: 9.032 ng
RT: 5.381 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:112 Resp: 184089

Ion	Ratio	Lower	Upper
112	100		
64	52.7	41.3	61.9
63	26.7	20.6	31.0

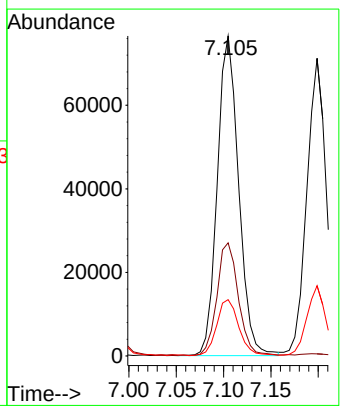


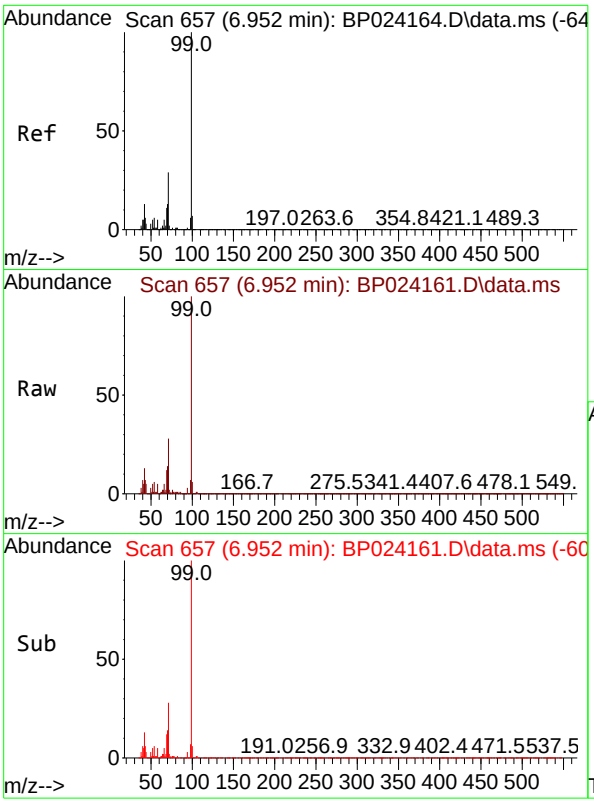


#6
Aniline
Concen: 4.998 ng
RT: 7.105 min Scan# 683
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion: 93 Resp: 119908

Ion	Ratio	Lower	Upper
93	100		
66	35.3	28.2	42.2
65	17.6	14.0	21.0



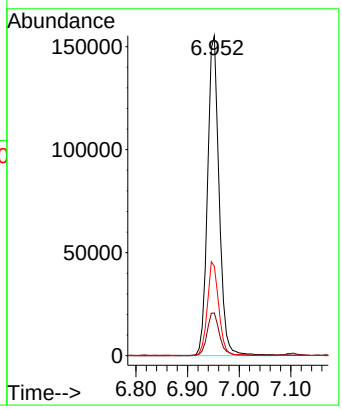


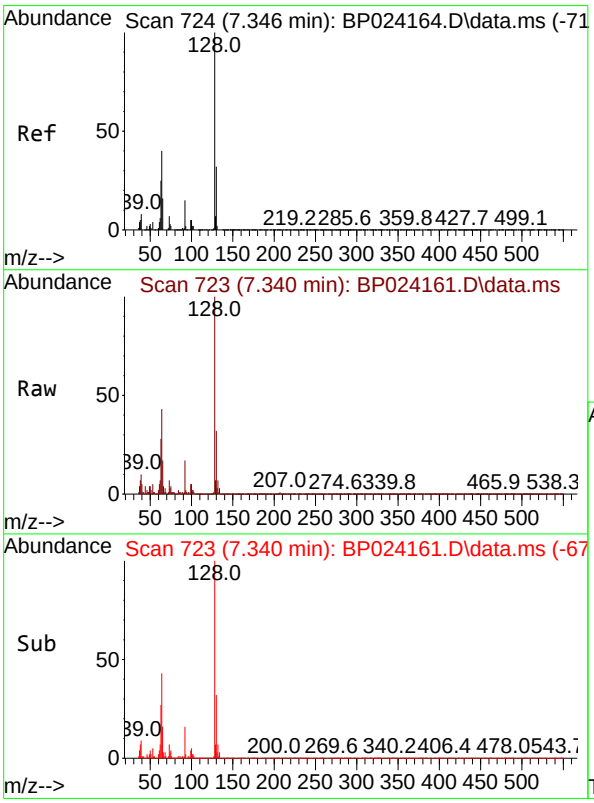
#7
Phenol-d6
Concen: 9.213 ng
RT: 6.952 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 99 Resp: 241350

Ion	Ratio	Lower	Upper
99	100		
42	13.3	10.6	16.0
71	27.9	23.3	34.9

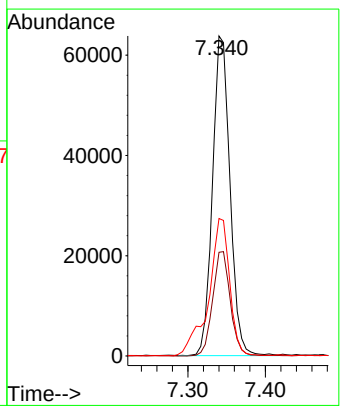


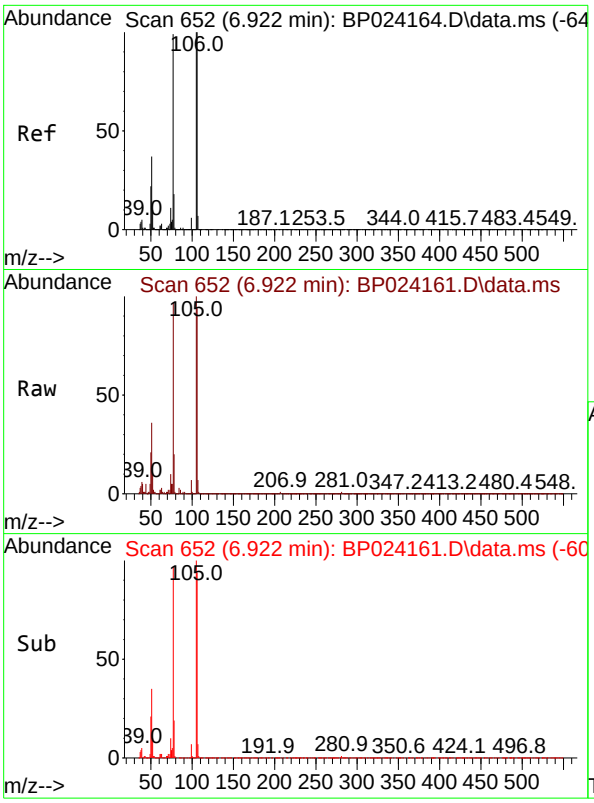


#8
2-Chlorophenol
Concen: 4.632 ng
RT: 7.340 min Scan# 723
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:128 Resp: 99927

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.0	52.0
64	43.0	21.6	61.6



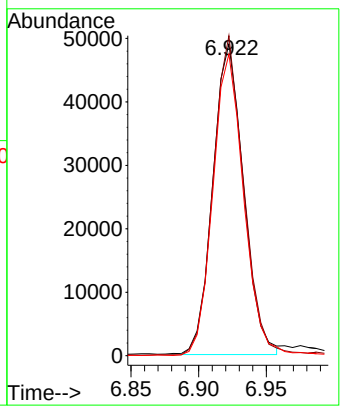


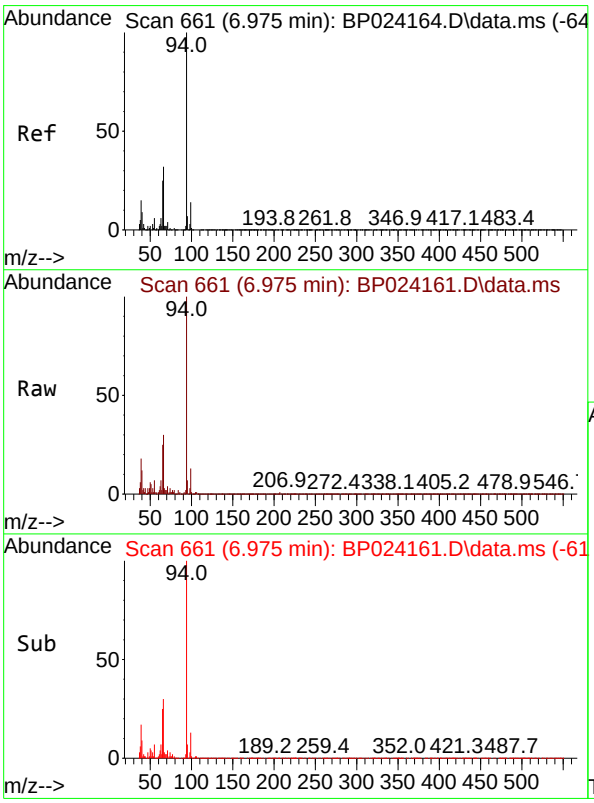
#9
Benzaldehyde
Concen: 6.456 ng m
RT: 6.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 77223

Ion	Ratio	Lower	Upper
77	100		
105	102.6	81.4	121.4
106	96.7	81.1	121.1

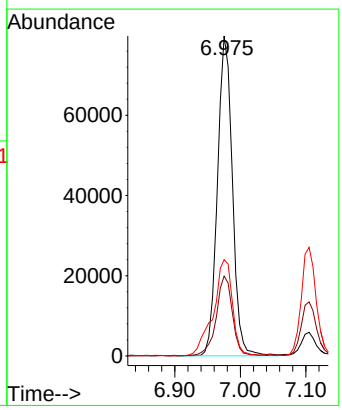


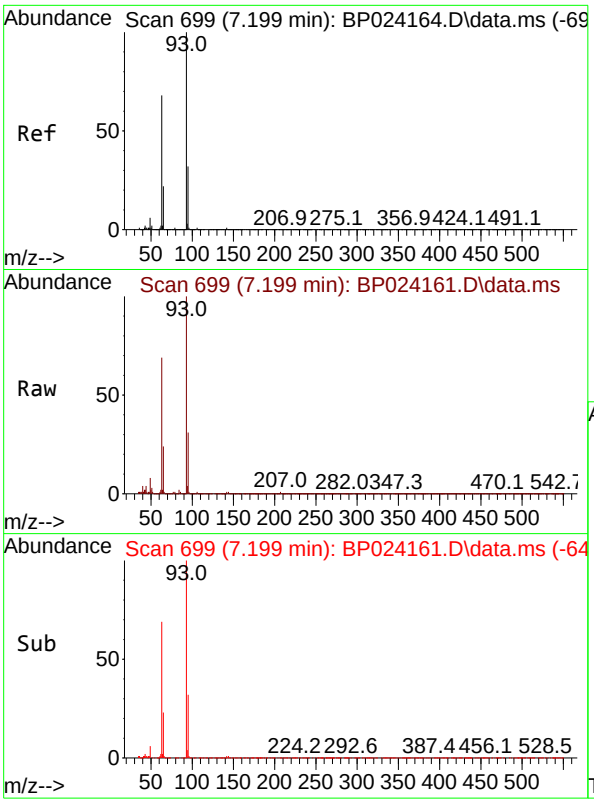


#10
Phenol
Concen: 4.767 ng
RT: 6.975 min Scan# 661
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion: 94 Resp: 125574

Ion	Ratio	Lower	Upper
94	100		
65	24.9	4.9	44.9
66	30.1	11.9	51.9



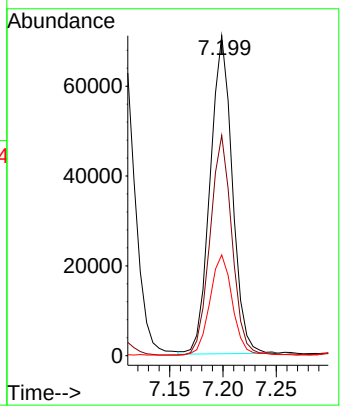


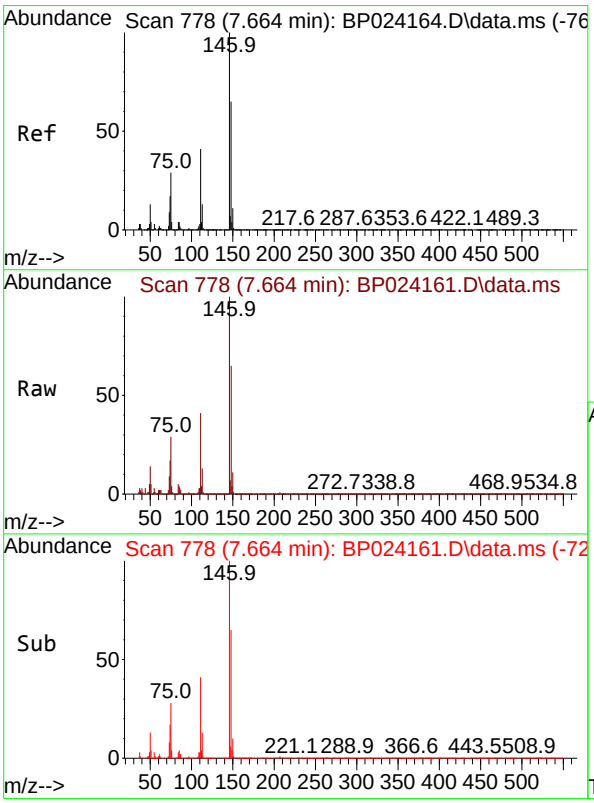
#11
bis(2-Chloroethyl)ether
Concen: 4.926 ng
RT: 7.199 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 102214

Ion	Ratio	Lower	Upper
93	100		
63	68.8	47.4	87.4
95	31.5	12.1	52.1

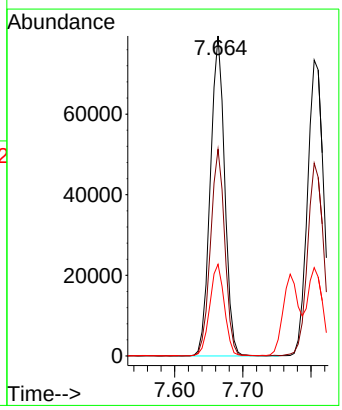


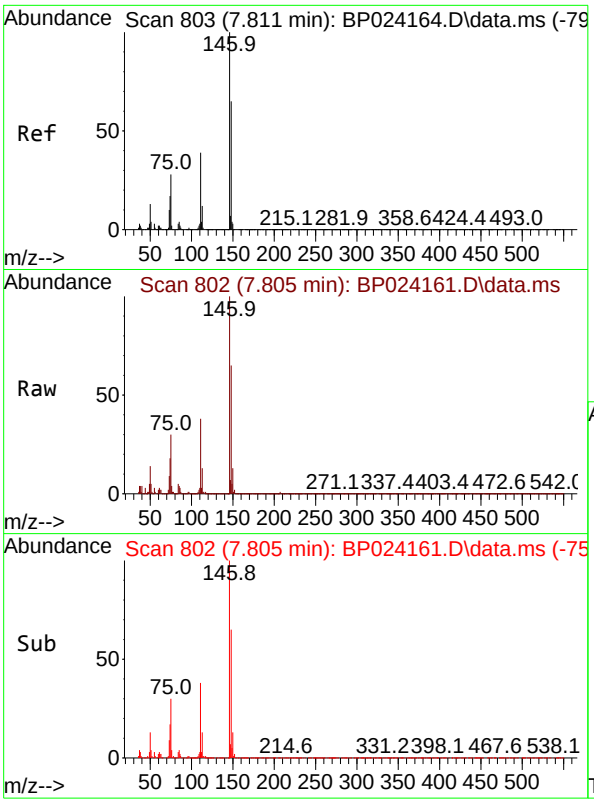


#12
1,3-Dichlorobenzene
Concen: 4.917 ng
RT: 7.664 min Scan# 778
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:146 Resp: 116531

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.6	77.4
75	28.6	22.8	34.2



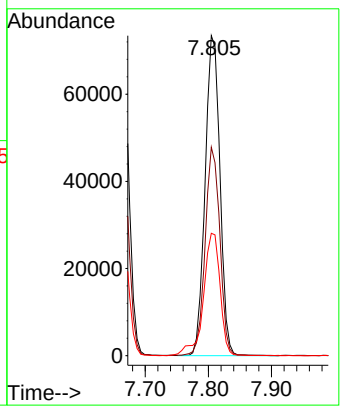


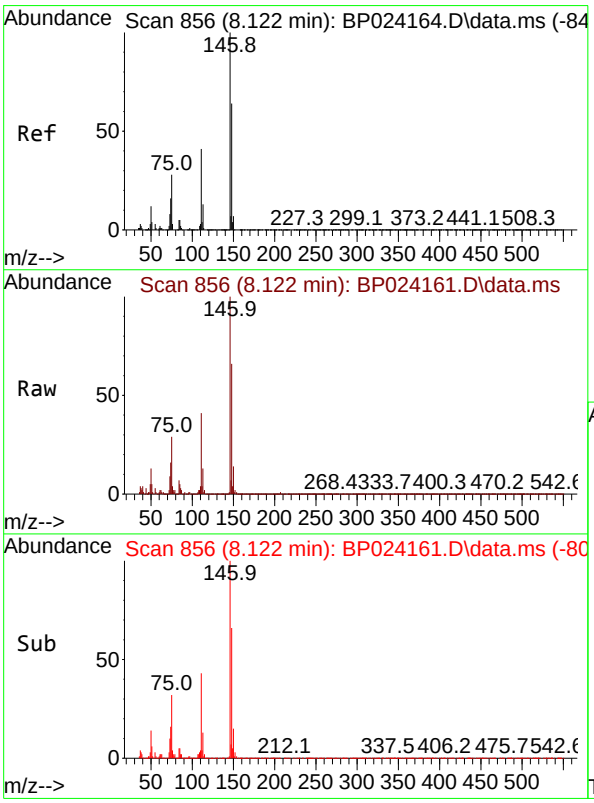
#13
1,4-Dichlorobenzene
Concen: 4.998 ng
RT: 7.805 min Scan# 8(
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 119798

Ion	Ratio	Lower	Upper
146	100		
148	65.2	51.9	77.9
111	38.3	31.4	47.2

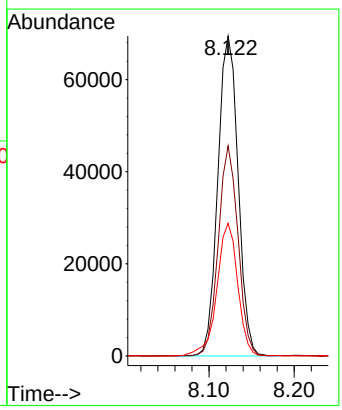


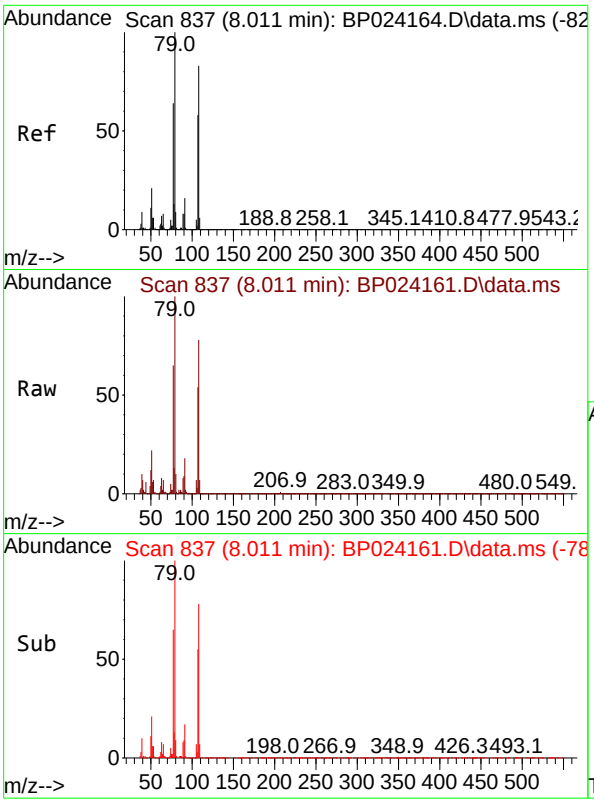


#14
1,2-Dichlorobenzene
Concen: 4.998 ng
RT: 8.122 min Scan# 856
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:146 Resp: 114960

Ion	Ratio	Lower	Upper
146	100		
148	65.7	51.4	77.2
111	41.4	33.2	49.8



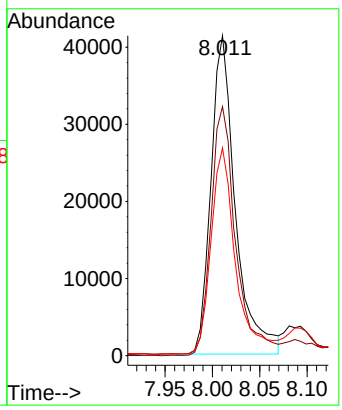


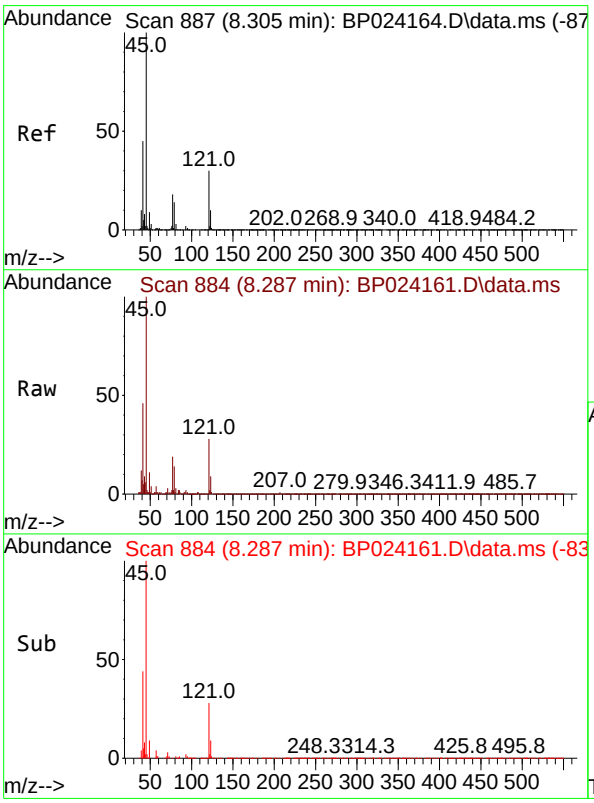
#15
Benzyl Alcohol
Concen: 4.630 ng
RT: 8.011 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 74252

Ion	Ratio	Lower	Upper
79	100		
108	77.9	66.5	99.7
77	64.9	50.9	76.3

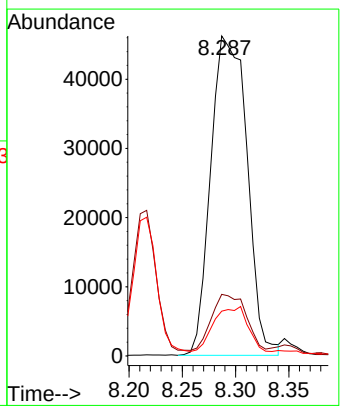


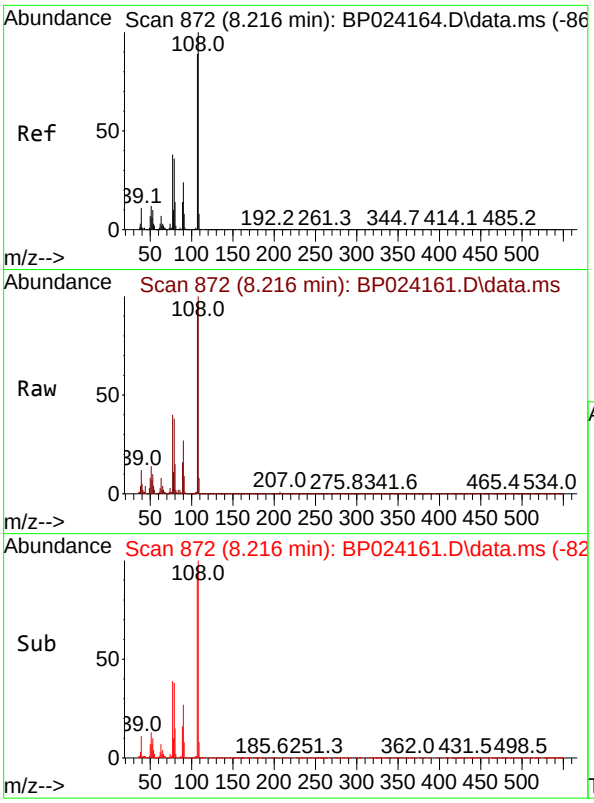


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.422 ng
RT: 8.287 min Scan# 884
Delta R.T. -0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion: 45 Resp: 109209

Ion	Ratio	Lower	Upper
45	100		
77	19.2	0.0	39.0
79	14.0	0.0	35.6



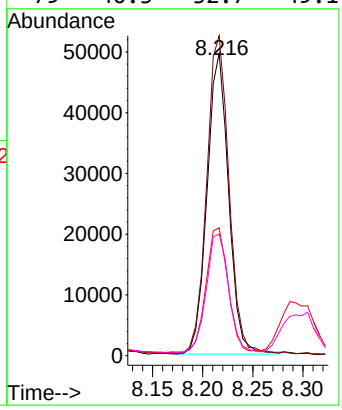


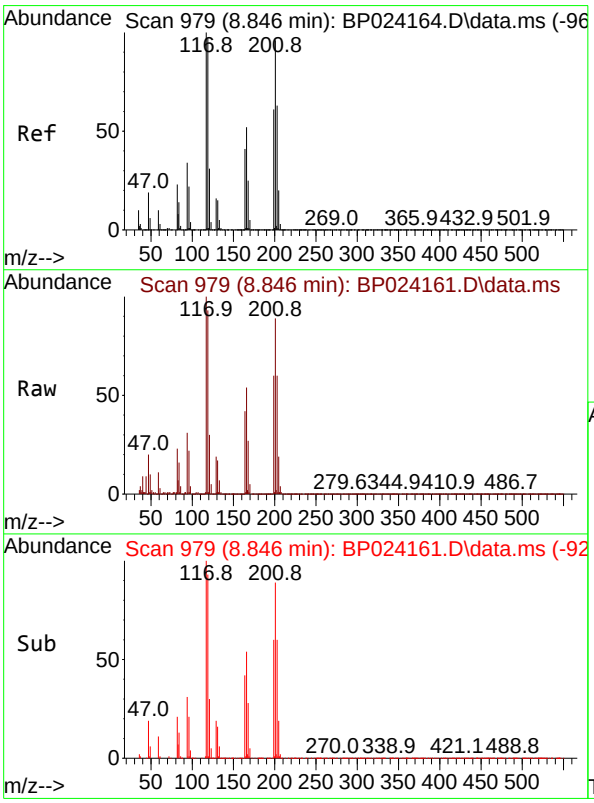
#17
2-Methylphenol
Concen: 4.616 ng
RT: 8.216 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:107 Resp: 74107

Ion	Ratio	Lower	Upper
107	100		
108	105.7	90.0	135.0
77	42.2	34.0	51.0
79	40.3	32.7	49.1

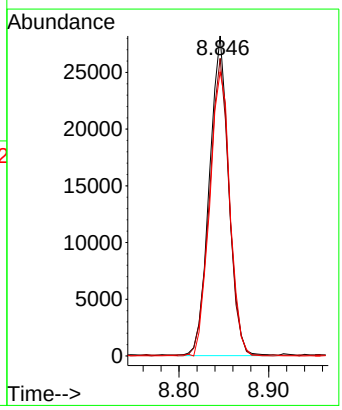


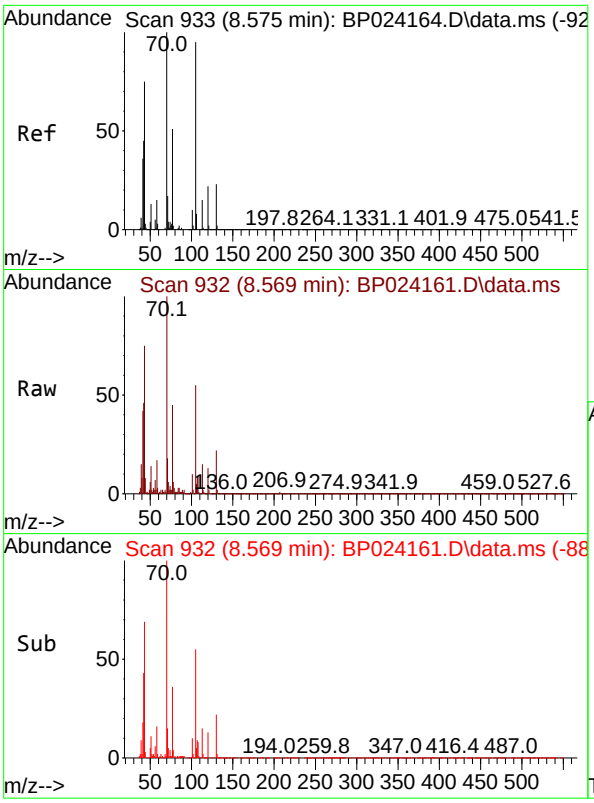


#18
Hexachloroethane
Concen: 4.909 ng
RT: 8.846 min Scan# 979
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:117 Resp: 42376

Ion	Ratio	Lower	Upper
117	100		
119	93.0	77.4	116.0
201	91.0	76.6	114.8



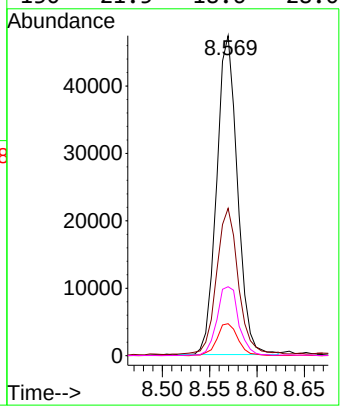


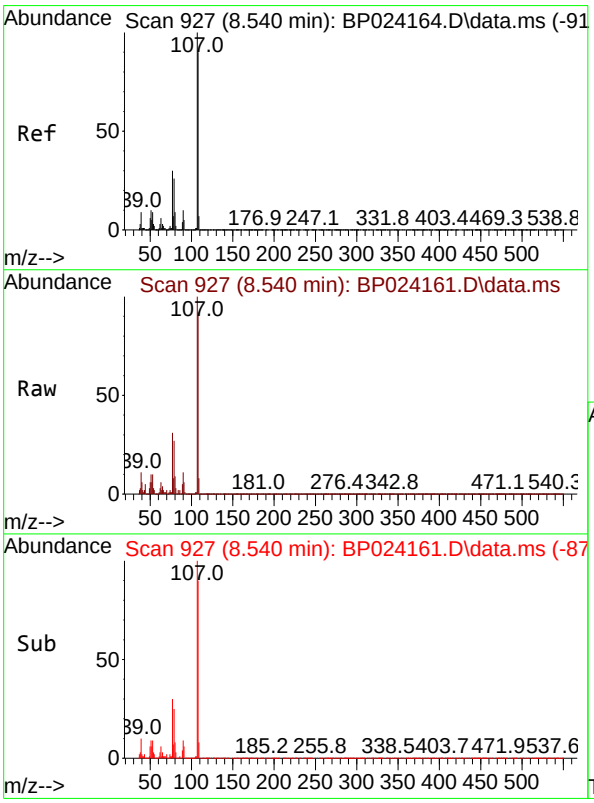
#19
n-Nitroso-di-n-propylamine
Concen: 5.139 ng
RT: 8.569 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 70 Resp: 72383

Ion	Ratio	Lower	Upper
70	100		
42	46.0	36.0	54.0
101	10.0	8.3	12.5
130	21.5	18.6	28.0

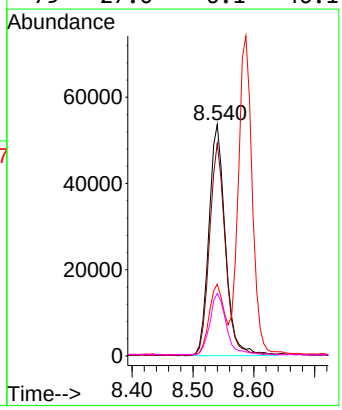


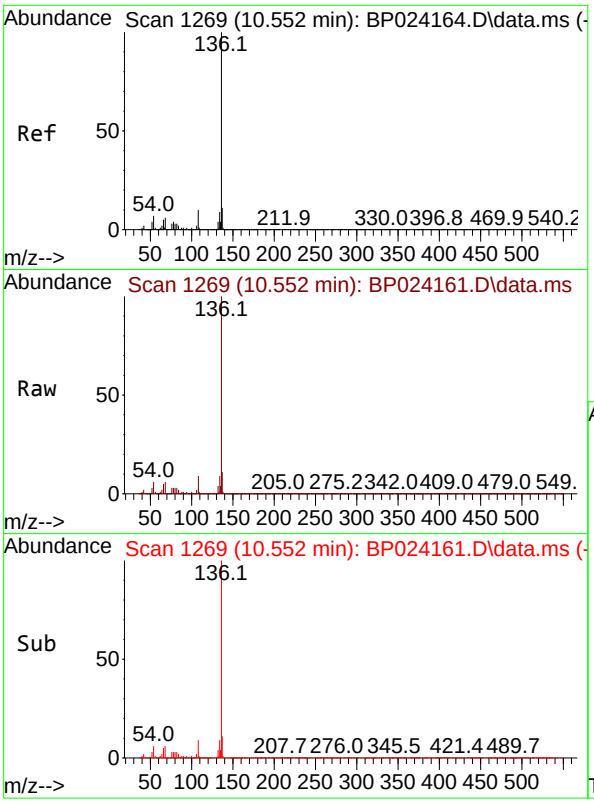


#20
3+4-Methylphenols
Concen: 4.606 ng
RT: 8.540 min Scan# 927
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:107 Resp: 100588

Ion	Ratio	Lower	Upper
107	100		
108	91.8	69.7	109.7
77	31.0	10.3	50.3
79	27.0	6.1	46.1



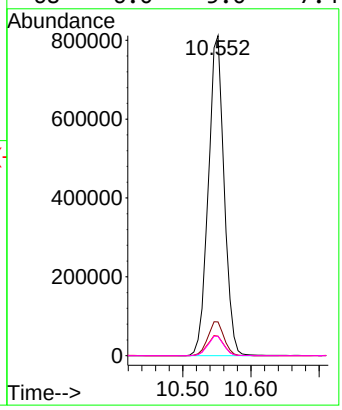


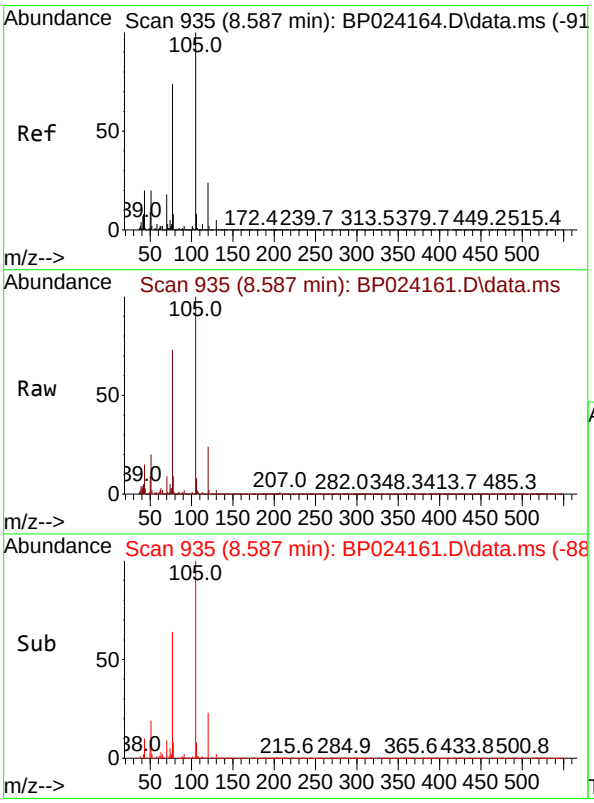
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.552 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:136 Resp: 1309940

Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.0	13.4
54	6.1	5.3	7.9
68	6.0	5.0	7.4

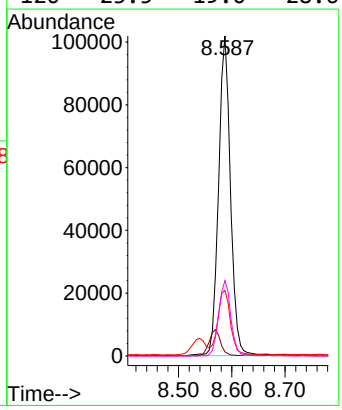


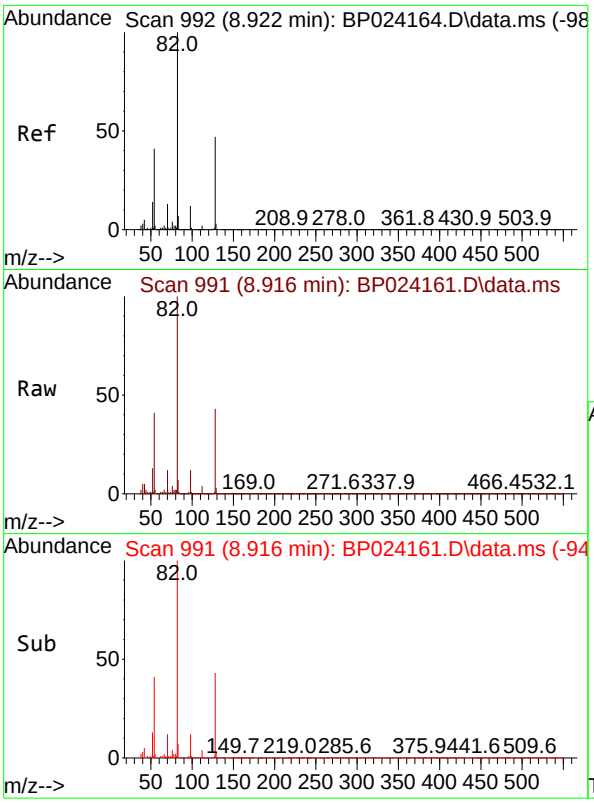


#22
Acetophenone
Concen: 4.699 ng
RT: 8.587 min Scan# 935
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:105 Resp: 158185

Ion	Ratio	Lower	Upper
105	100		
71	1.3	2.4	3.6#
51	20.5	16.2	24.2
120	23.5	19.0	28.6



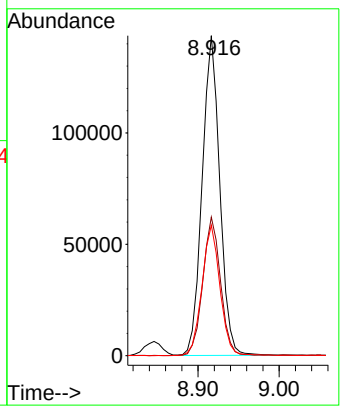


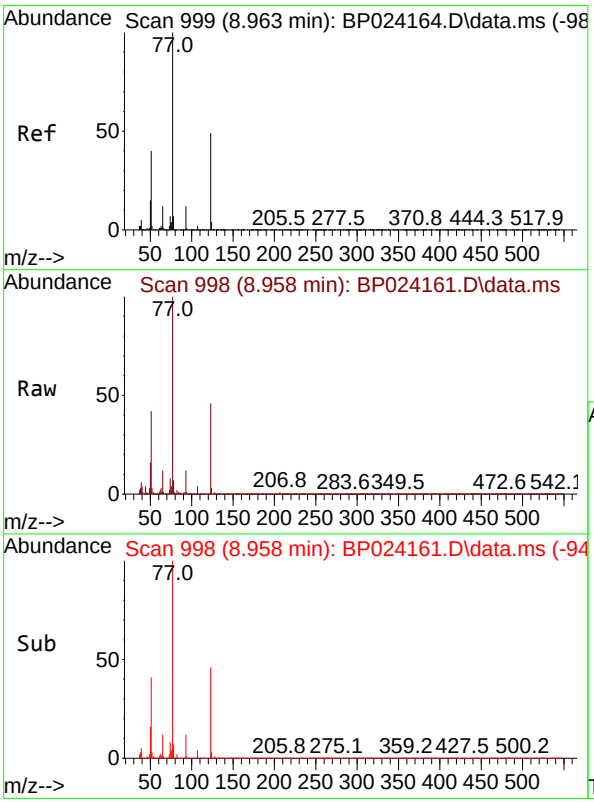
#23
Nitrobenzene-d5
Concen: 9.202 ng
RT: 8.916 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 216074

Ion	Ratio	Lower	Upper
82	100		
128	43.3	37.4	56.0
54	40.8	32.5	48.7

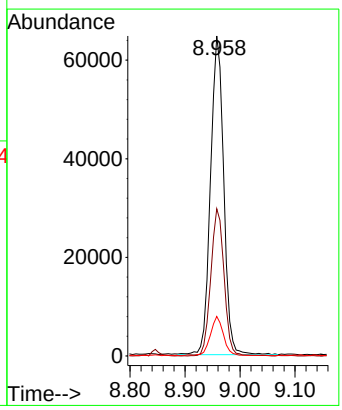


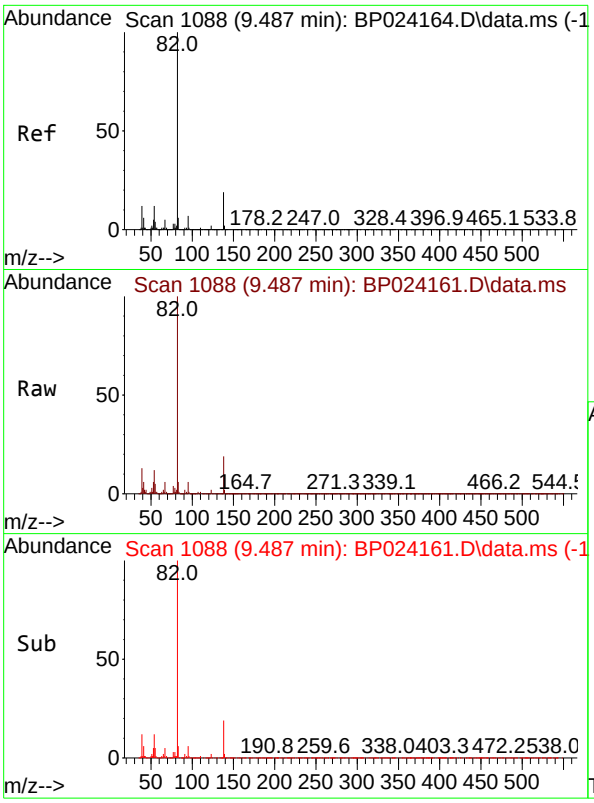


#24
Nitrobenzene
Concen: 4.677 ng
RT: 8.958 min Scan# 998
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion: 77 Resp: 108086

Ion	Ratio	Lower	Upper
77	100		
123	46.0	39.4	59.2
65	12.4	9.9	14.9



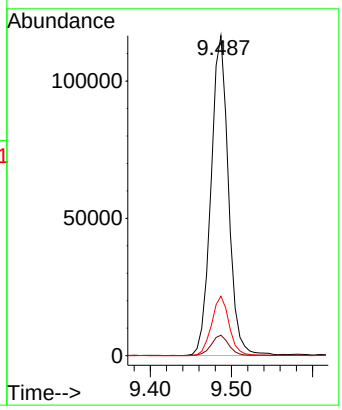


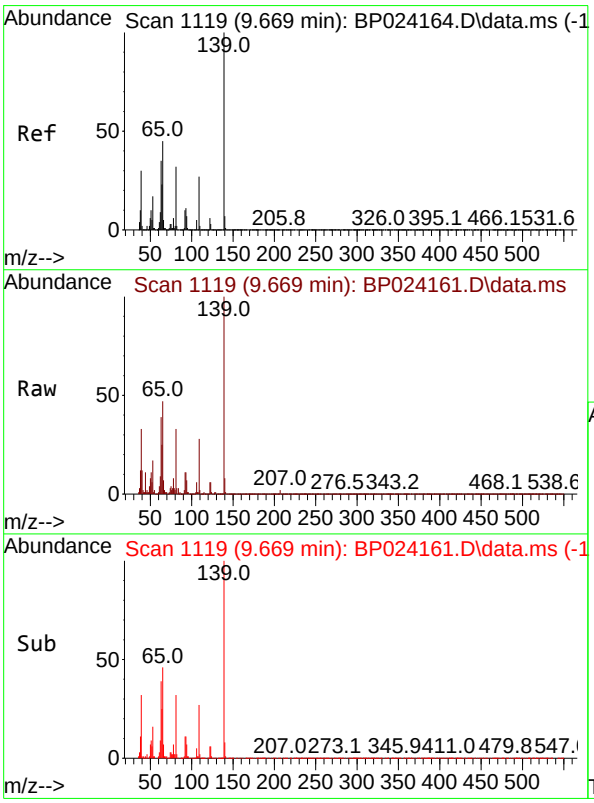
#25
Isophorone
Concen: 4.540 ng
RT: 9.487 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 174338

Ion	Ratio	Lower	Upper
82	100		
95	6.4	5.3	7.9
138	18.6	14.8	22.2

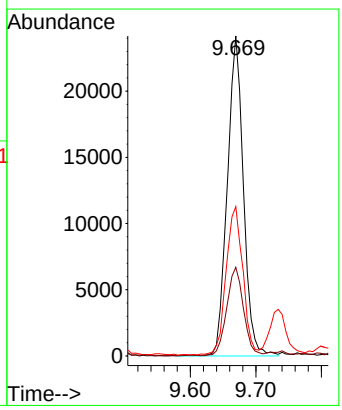


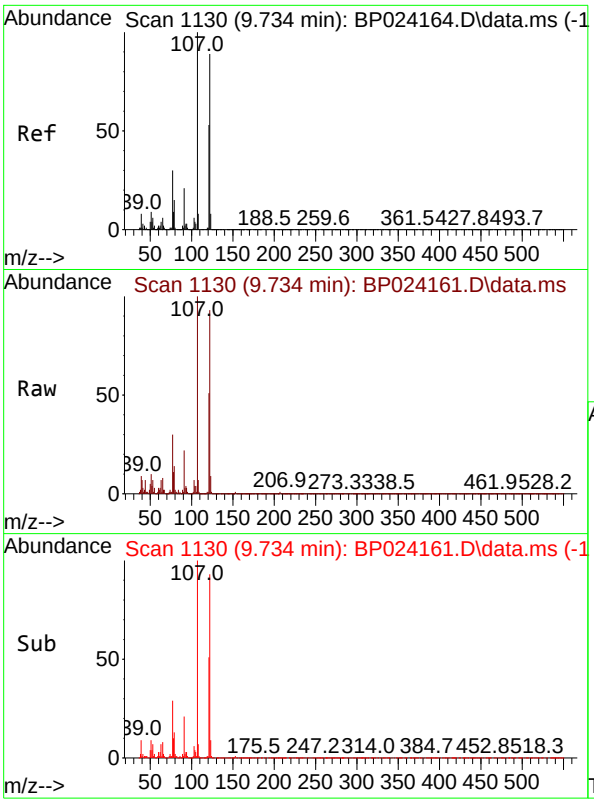


#26
2-Nitrophenol
Concen: 3.880 ng
RT: 9.669 min Scan# 1119
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:139 Resp: 41305

Ion	Ratio	Lower	Upper
139	100		
109	27.7	21.7	32.5
65	46.6	35.8	53.8



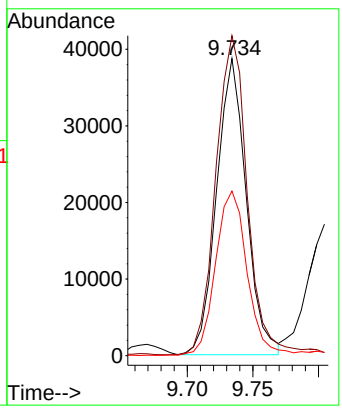


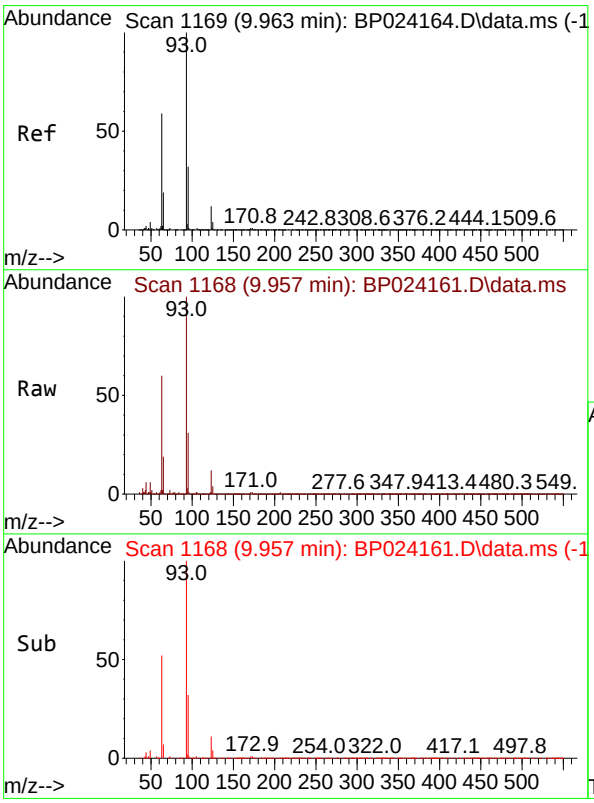
#27
2,4-Dimethylphenol
Concen: 4.354 ng
RT: 9.734 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:122 Resp: 60843

Ion	Ratio	Lower	Upper
122	100		
107	107.7	89.3	133.9
121	55.4	47.5	71.3

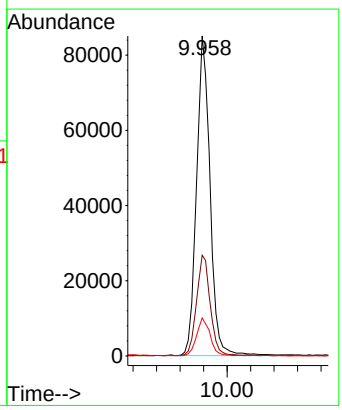


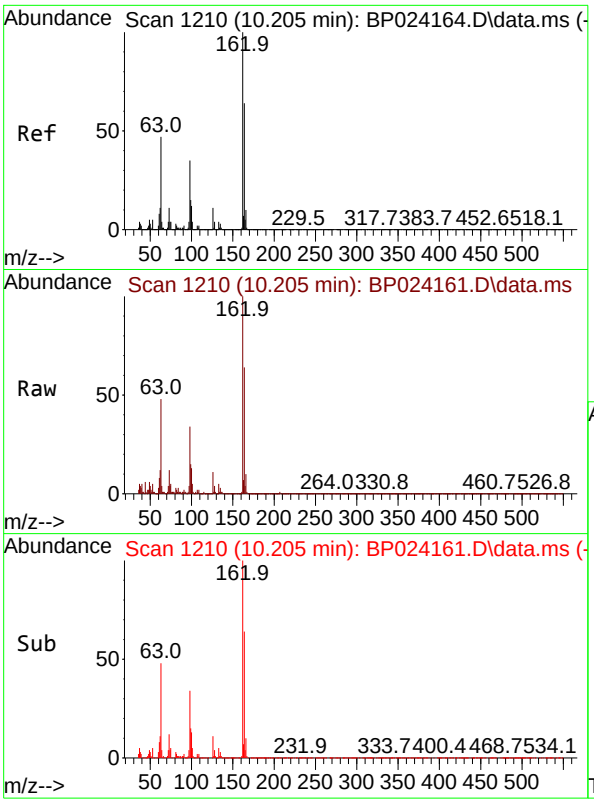


#28
bis(2-Chloroethoxy)methane
Concen: 4.872 ng
RT: 9.957 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion: 93 Resp: 135529

Ion	Ratio	Lower	Upper
93	100		
95	31.5	25.9	38.9
123	11.9	9.5	14.3



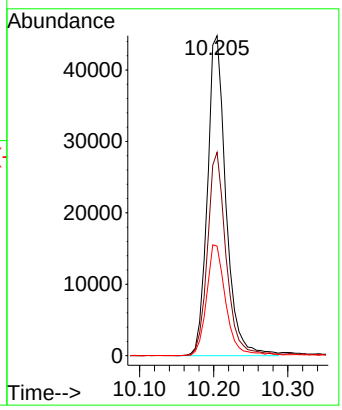


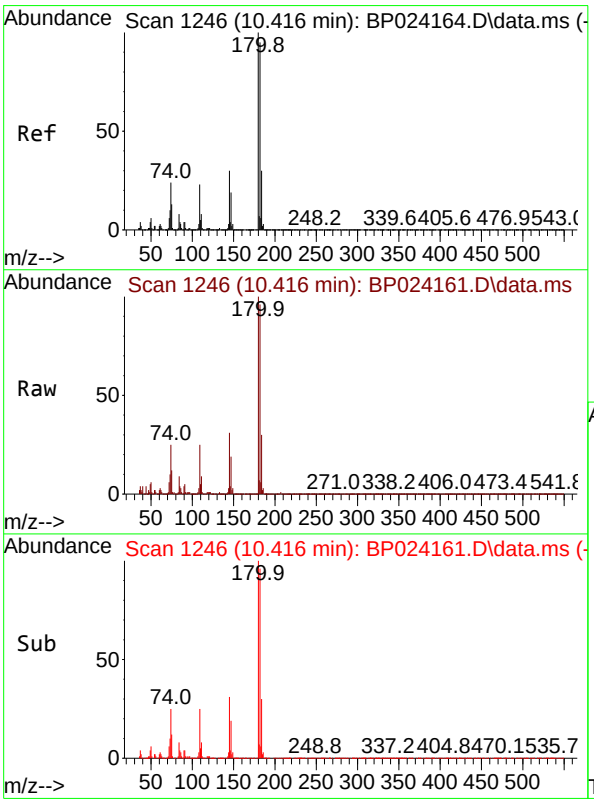
#29
2,4-Dichlorophenol
Concen: 4.072 ng
RT: 10.205 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 77653

Ion	Ratio	Lower	Upper
162	100		
164	63.6	44.2	84.2
98	34.2	15.1	55.1

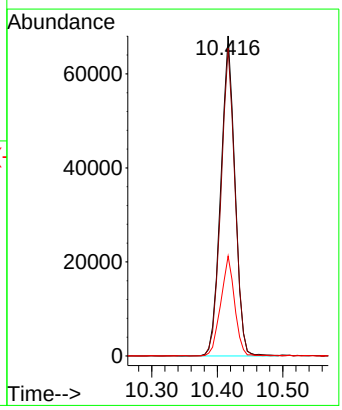


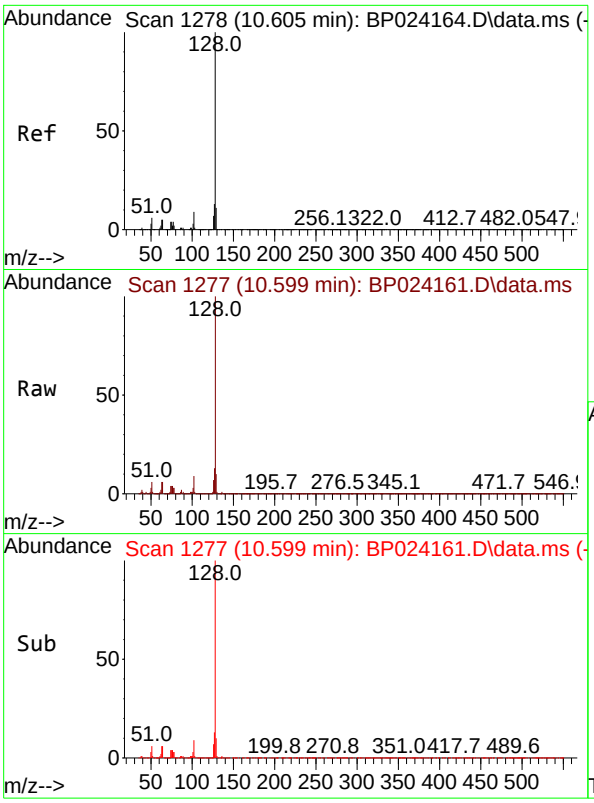


#30
1,2,4-Trichlorobenzene
Concen: 4.646 ng
RT: 10.416 min Scan# 1246
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:180 Resp: 101518

Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.1	114.1
145	31.2	24.2	36.2



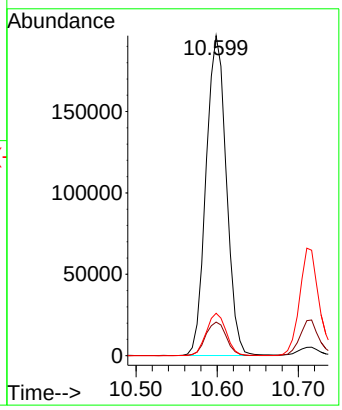


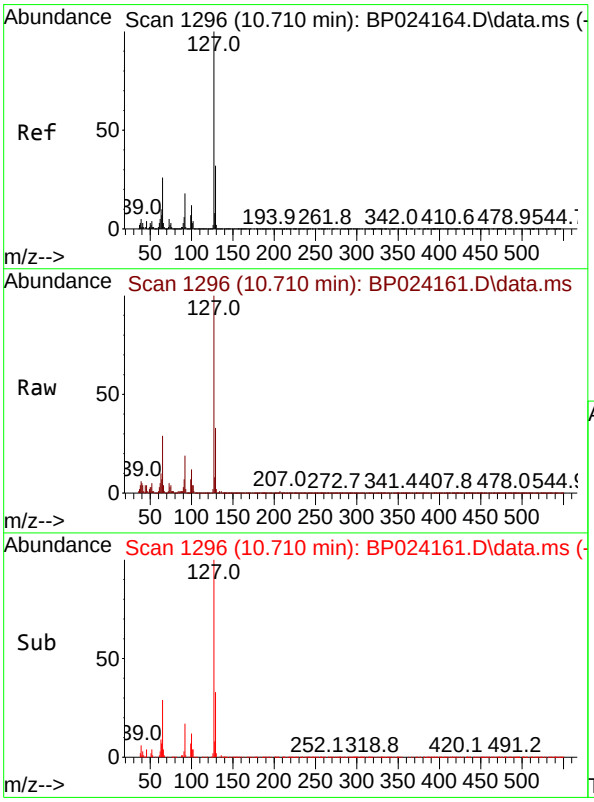
#31
Naphthalene
Concen: 4.840 ng
RT: 10.599 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 340918

Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.7	13.1
127	13.3	10.4	15.6

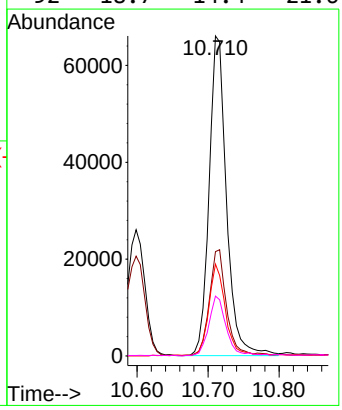


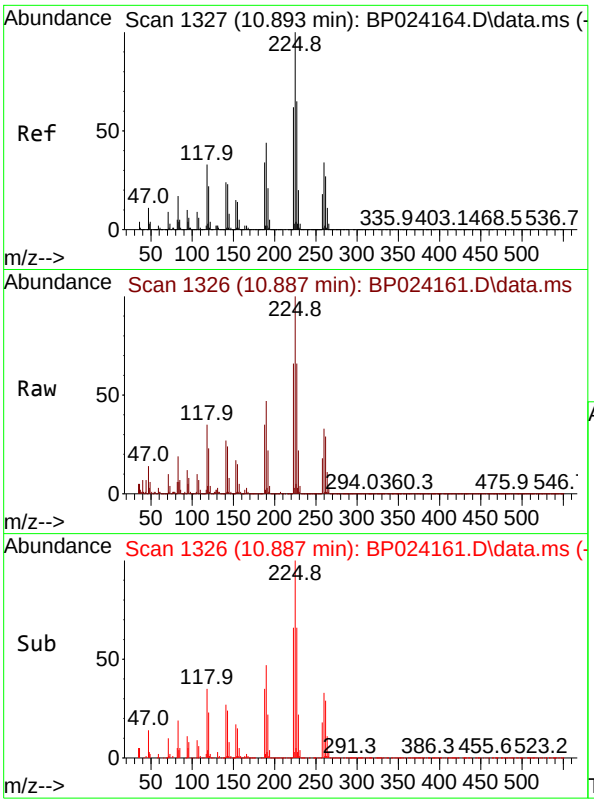


#33
4-Chloroaniline
Concen: 4.545 ng
RT: 10.710 min Scan# 1296
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:127 Resp: 112776

Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.8	38.6
65	28.7	21.2	31.8
92	18.7	14.4	21.6



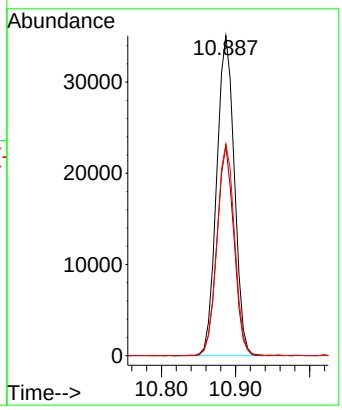


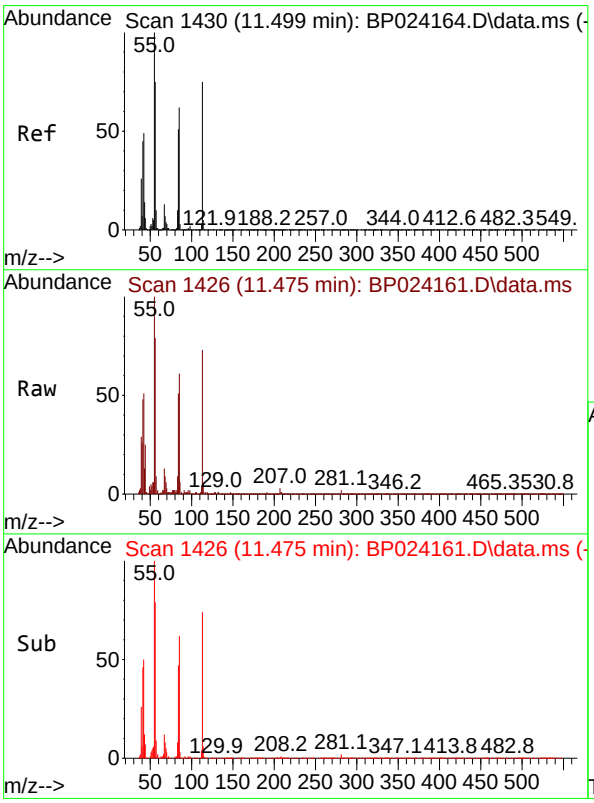
#34
Hexachlorobutadiene
Concen: 4.589 ng
RT: 10.887 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:225 Resp: 58080

Ion	Ratio	Lower	Upper
225	100		
223	65.6	49.9	74.9
227	66.1	52.2	78.2

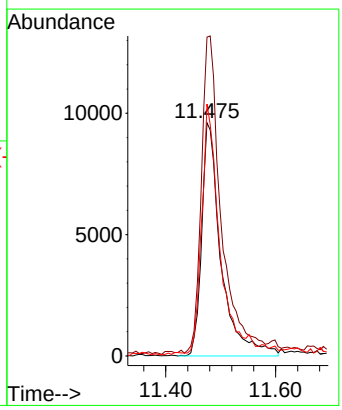


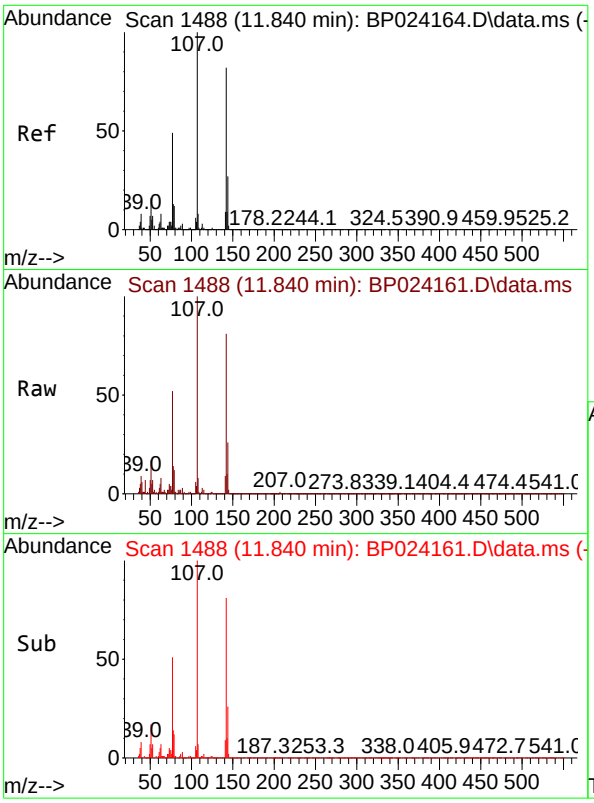


#35
Caprolactam
Concen: 4.057 ng
RT: 11.475 min Scan# 1426
Delta R.T. -0.024 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:113 Resp: 23432

Ion	Ratio	Lower	Upper
113	100		
55	136.8	113.6	153.6
56	108.1	80.0	120.0



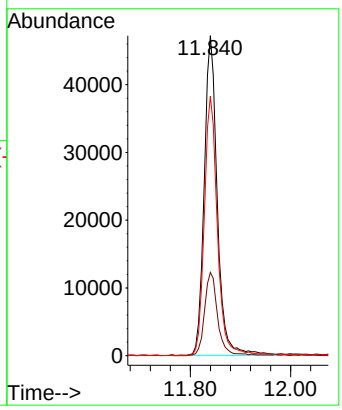


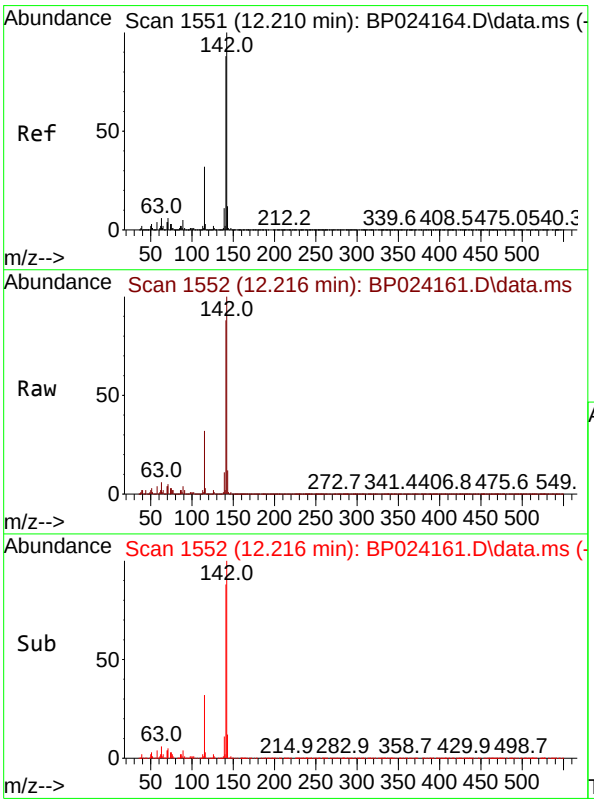
#36
4-Chloro-3-methylphenol
Concen: 4.352 ng
RT: 11.840 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:107 Resp: 85333

Ion	Ratio	Lower	Upper
107	100		
144	26.0	21.6	32.4
142	81.1	65.4	98.0

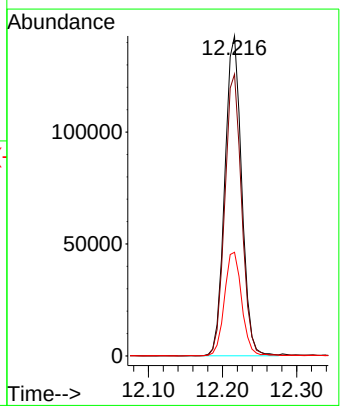


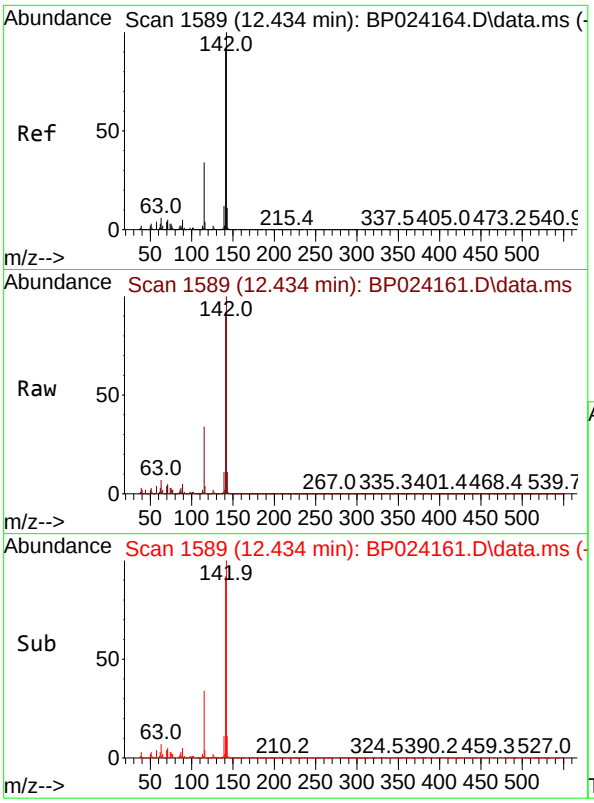


#37
2-Methylnaphthalene
Concen: 4.817 ng
RT: 12.216 min Scan# 1552
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:142 Resp: 225485

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.3	105.5
115	32.4	26.0	39.0



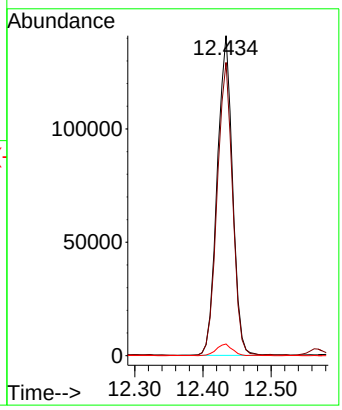


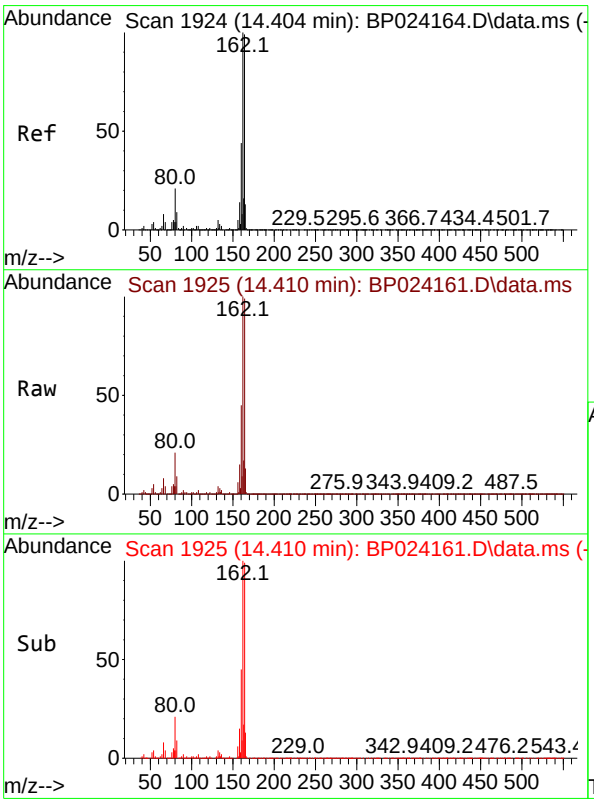
#38
1-Methylnaphthalene
Concen: 4.848 ng
RT: 12.434 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 220784

Ion	Ratio	Lower	Upper
142	100		
141	91.6	73.9	110.9
116	3.7	2.8	4.2

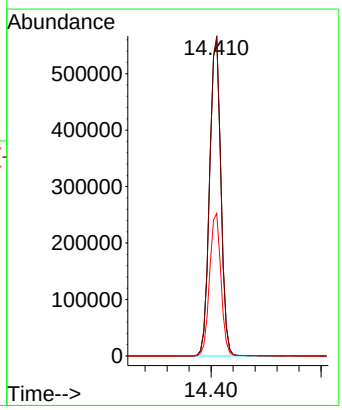


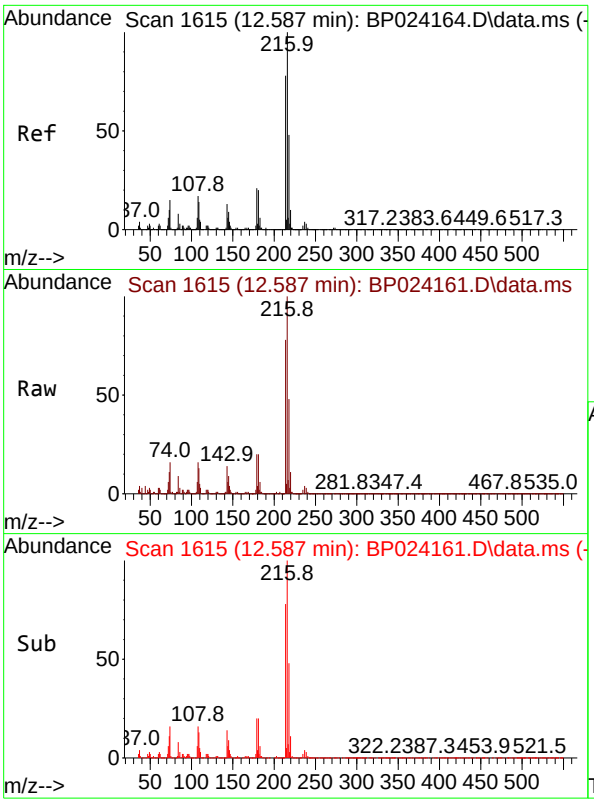


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1925
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:164 Resp: 799469

Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.6	121.0
160	44.9	35.4	53.2



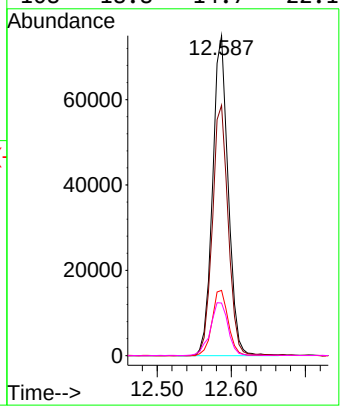


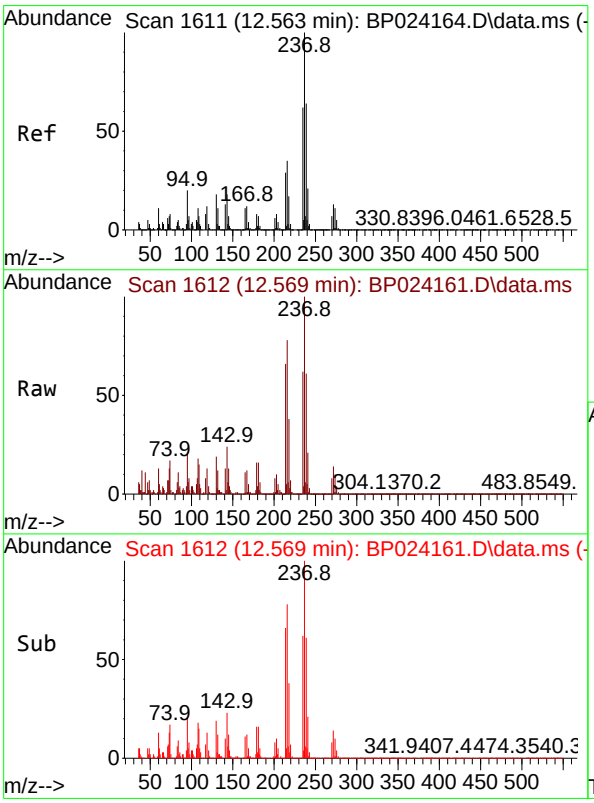
#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.459 ng
RT: 12.587 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:216 Resp: 109528

Ion	Ratio	Lower	Upper
216	100		
214	79.5	62.8	94.2
179	21.1	16.8	25.2
108	18.8	14.7	22.1

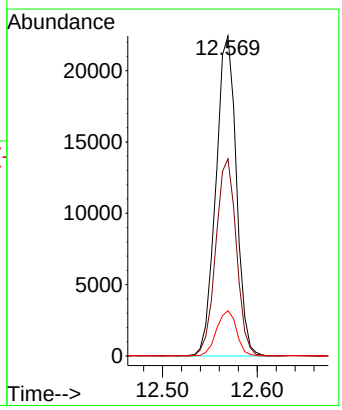


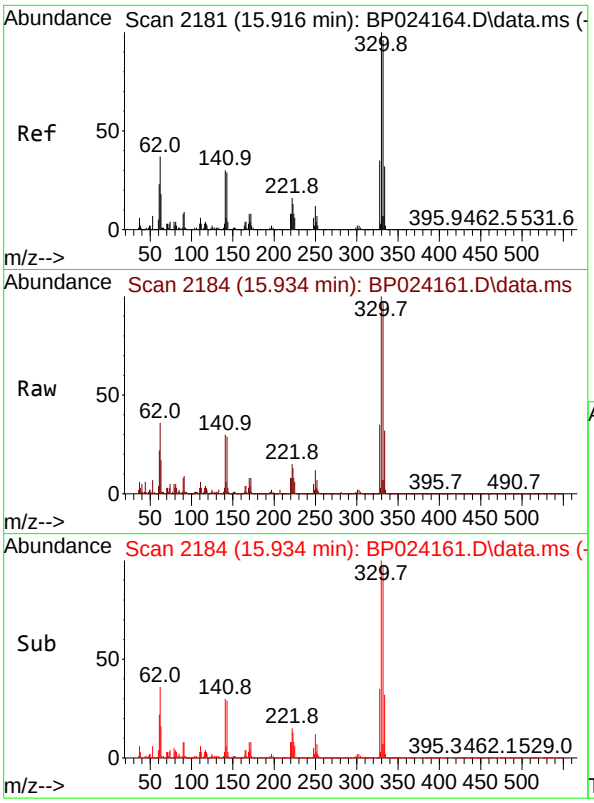


#41
Hexachlorocyclopentadiene
Concen: 3.693 ng
RT: 12.569 min Scan# 1612
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:237 Resp: 33755

Ion	Ratio	Lower	Upper
237	100		
235	61.6	41.8	81.8
272	14.2	0.0	33.5



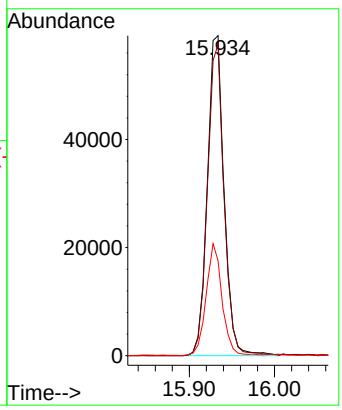


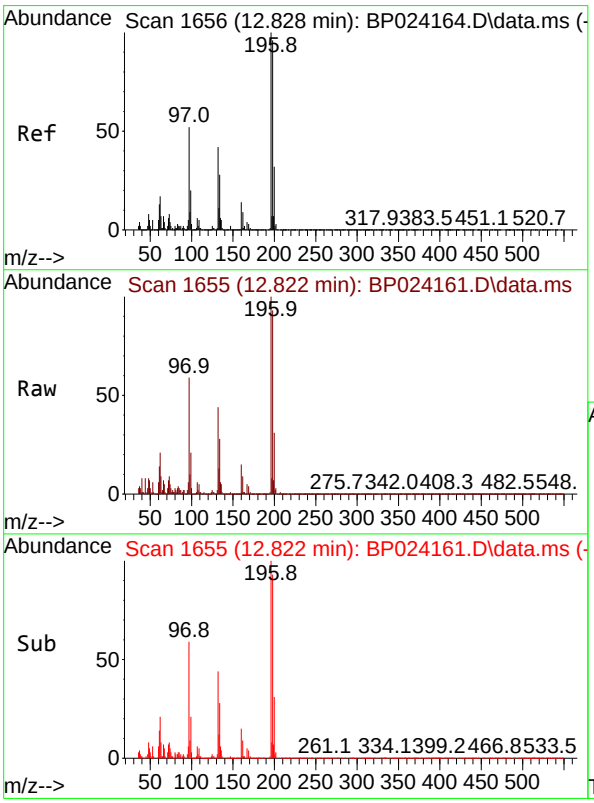
#42
2,4,6-Tribromophenol
Concen: 8.288 ng
RT: 15.934 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:330 Resp: 81159

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.6	116.4
141	33.0	25.0	37.6

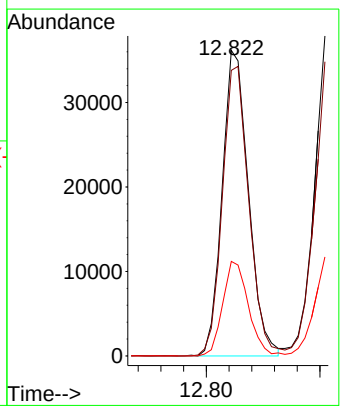


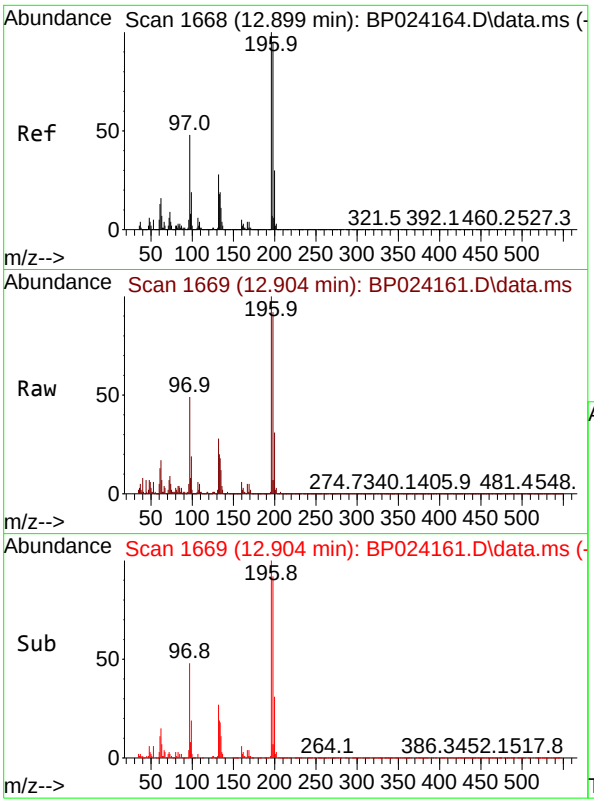


#43
2,4,6-Trichlorophenol
Concen: 3.883 ng
RT: 12.822 min Scan# 1655
Delta R.T. -0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:196 Resp: 58172

Ion	Ratio	Lower	Upper
196	100		
198	93.4	76.6	115.0
200	30.9	25.4	38.0



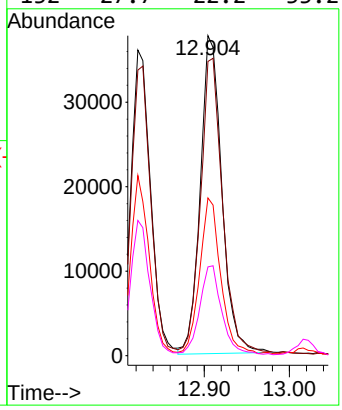


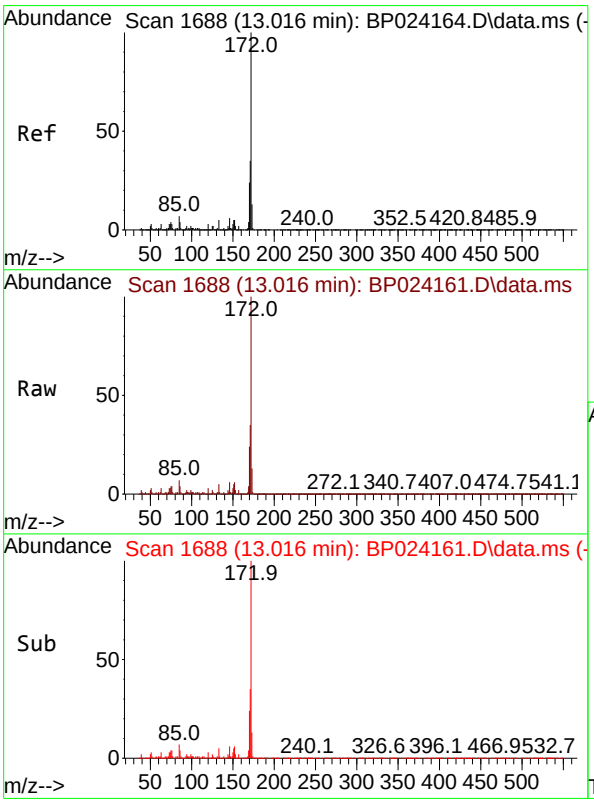
#44
2,4,5-Trichlorophenol
Concen: 4.044 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:196 Resp: 66250

Ion	Ratio	Lower	Upper
196	100		
198	91.9	76.5	114.7
97	49.3	38.7	58.1
132	27.7	22.2	33.2

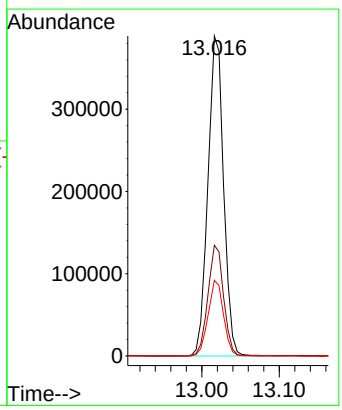


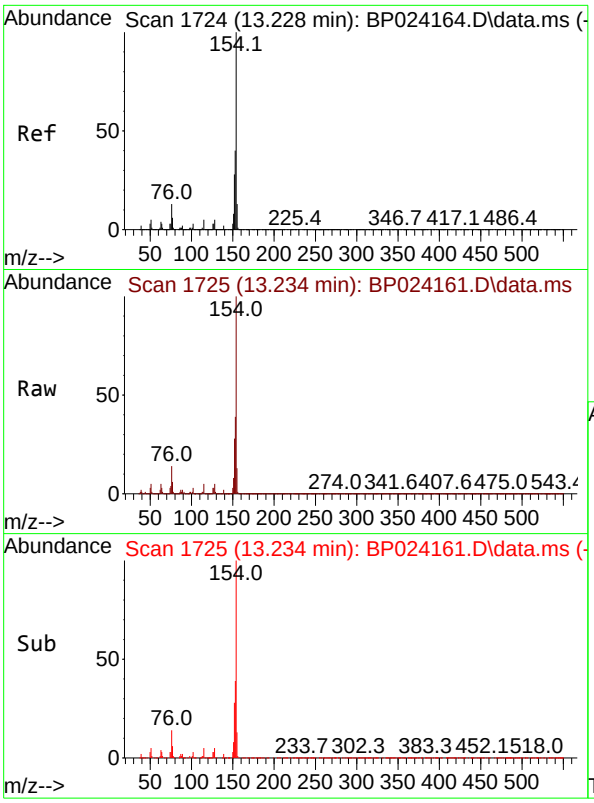


#45
2-Fluorobiphenyl
Concen: 9.532 ng
RT: 13.016 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:172 Resp: 545120

Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.3	42.5
170	23.7	19.0	28.4



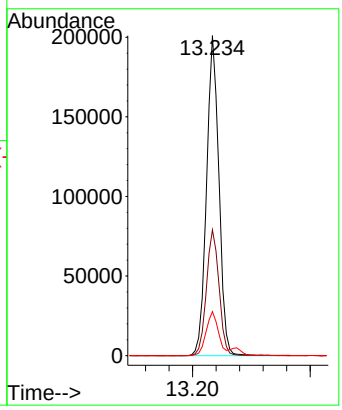


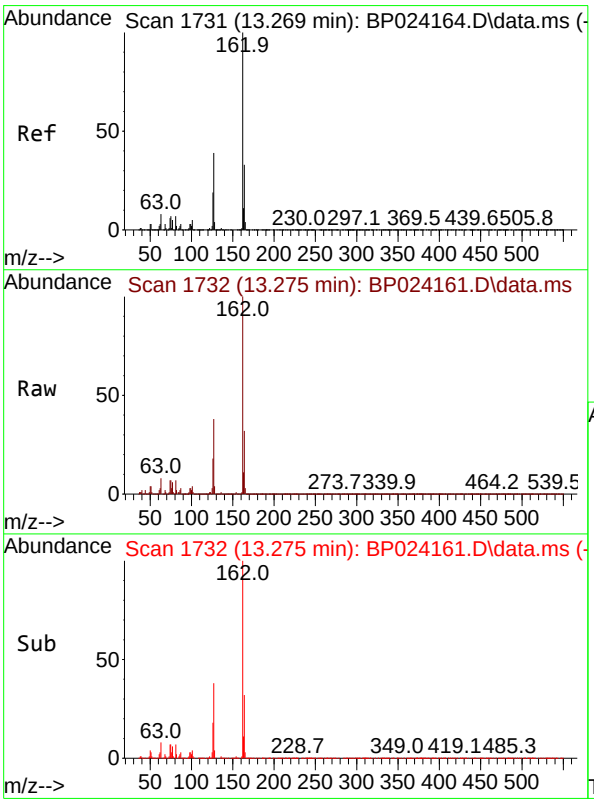
#46
1,1'-Biphenyl
Concen: 4.721 ng
RT: 13.234 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:154 Resp: 293289

Ion	Ratio	Lower	Upper
154	100		
153	39.3	20.3	60.3
76	13.7	0.0	32.9

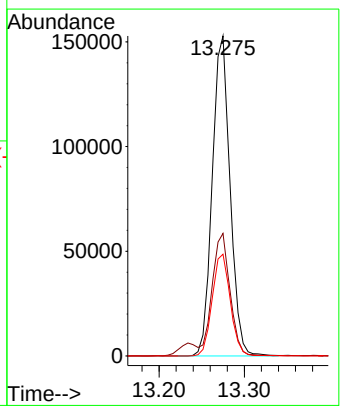


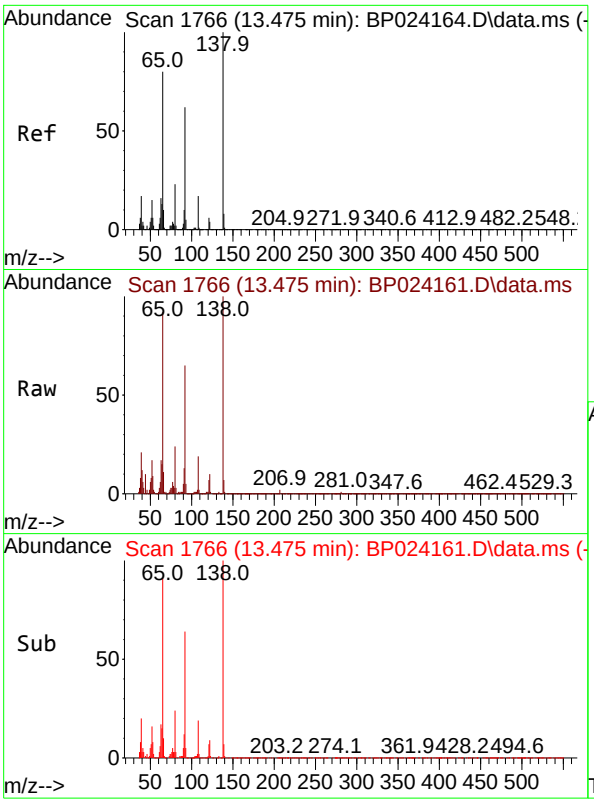


#47
2-Chloronaphthalene
Concen: 4.715 ng
RT: 13.275 min Scan# 1732
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:162 Resp: 221413

Ion	Ratio	Lower	Upper
162	100		
127	38.3	31.5	47.3
164	31.8	26.6	39.8



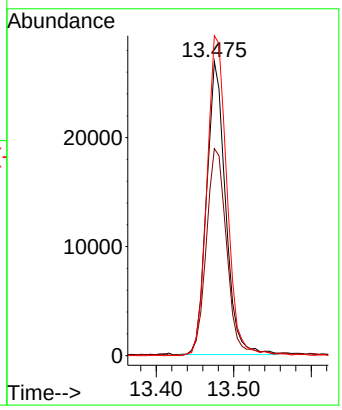


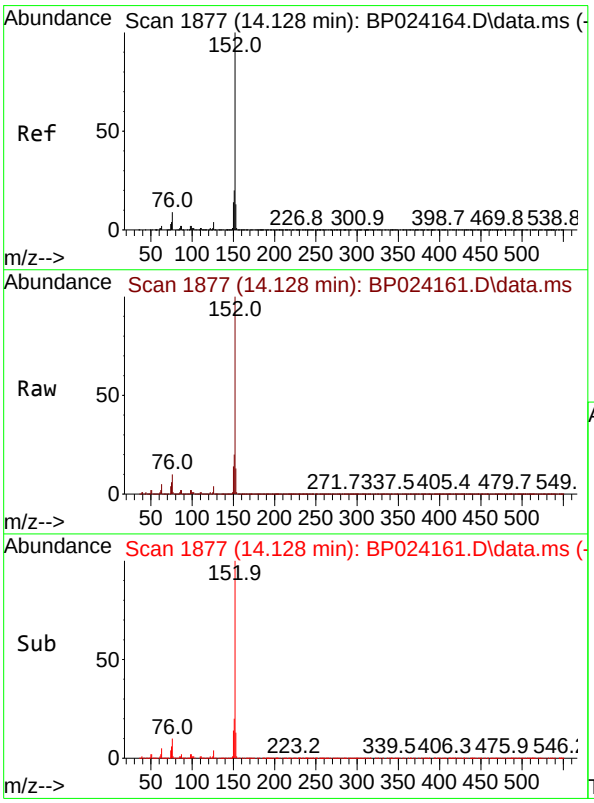
#48
2-Nitroaniline
Concen: 4.117 ng
RT: 13.475 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 65 Resp: 45667

Ion	Ratio	Lower	Upper
65	100		
92	70.4	62.1	93.1
138	108.8	99.5	149.3

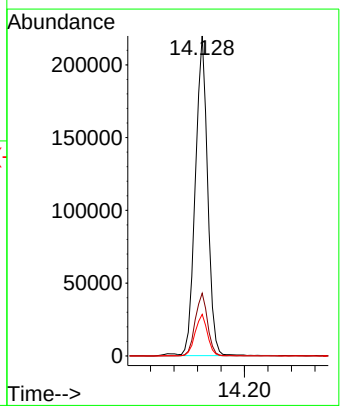


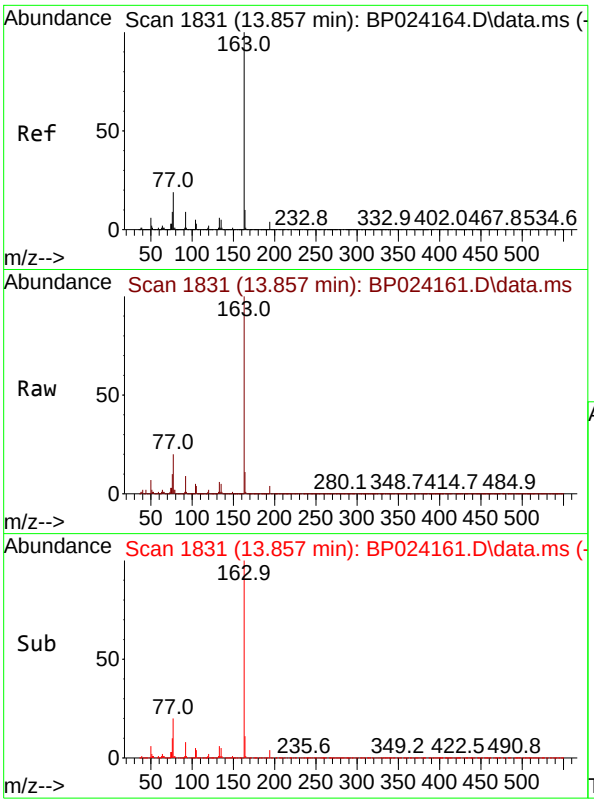


#49
Acenaphthylene
Concen: 4.580 ng
RT: 14.128 min Scan# 1877
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:152 Resp: 316902

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.0	24.0
153	13.0	10.6	15.8



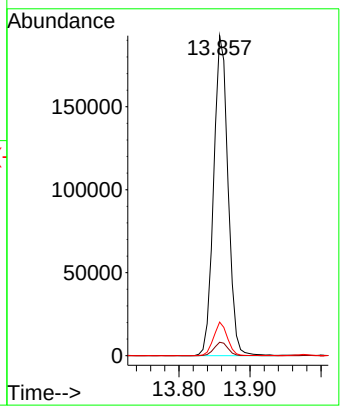


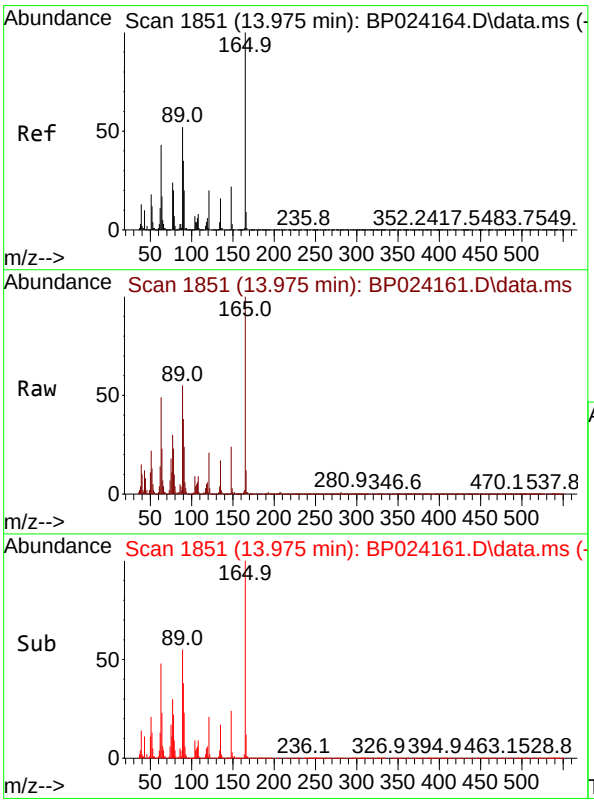
#50
Dimethylphthalate
Concen: 4.789 ng
RT: 13.857 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:163 Resp: 270053

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.5	8.2	12.4

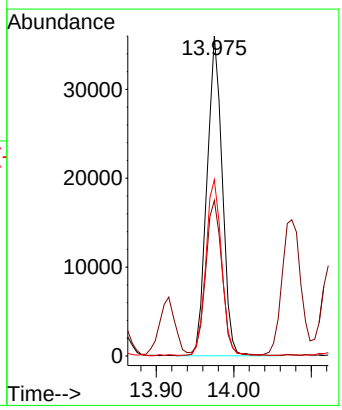


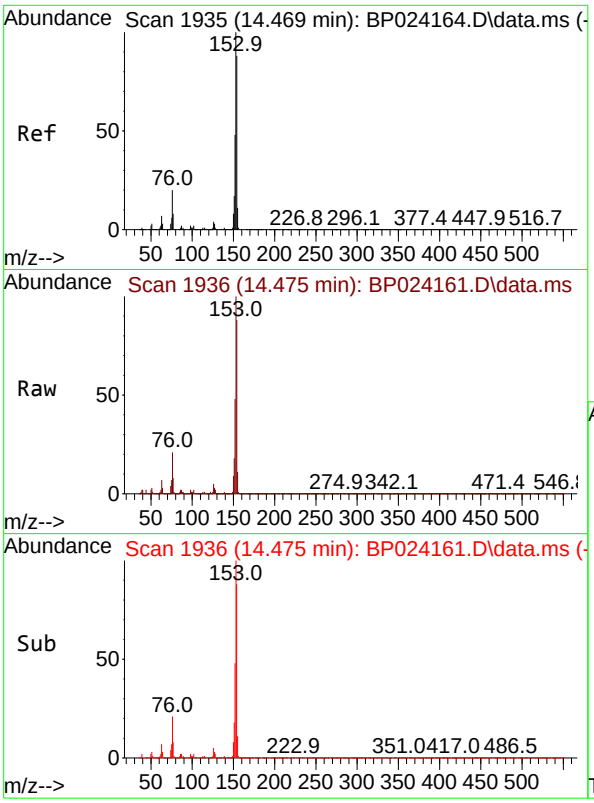


#51
2,6-Dinitrotoluene
Concen: 4.317 ng
RT: 13.975 min Scan# 1851
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:165 Resp: 49593

Ion	Ratio	Lower	Upper
165	100		
63	48.6	37.7	56.5
89	55.1	41.9	62.9



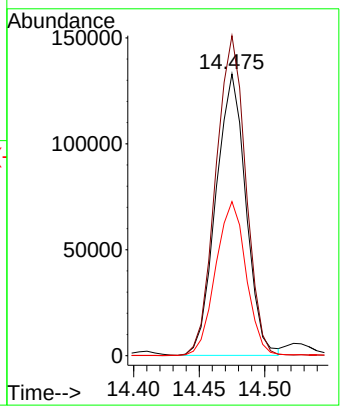


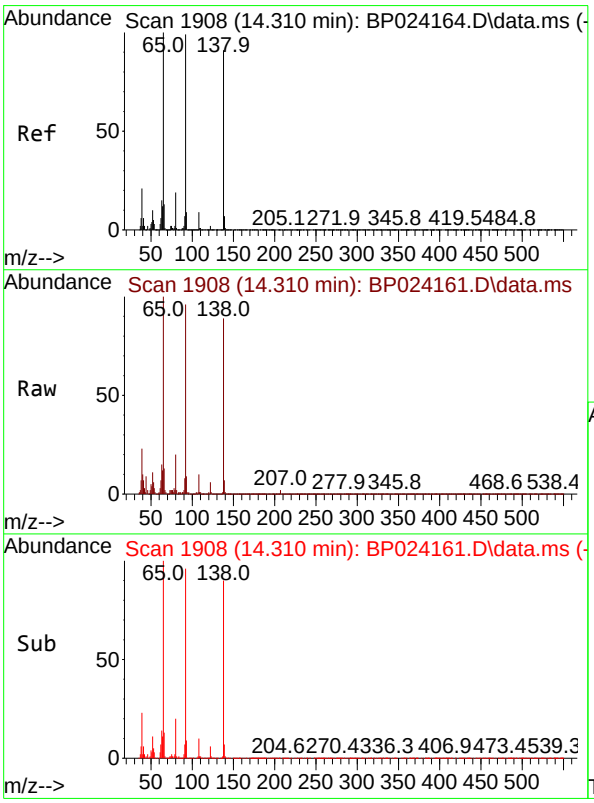
#52
Acenaphthene
Concen: 4.742 ng
RT: 14.475 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:154 Resp: 211290

Ion	Ratio	Lower	Upper
154	100		
153	113.6	90.5	135.7
152	54.7	43.1	64.7

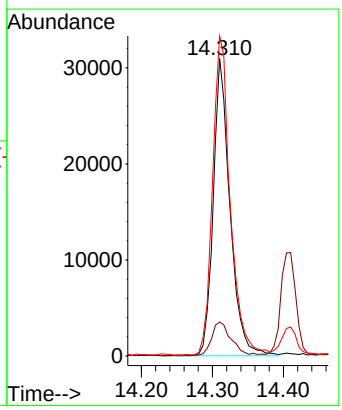


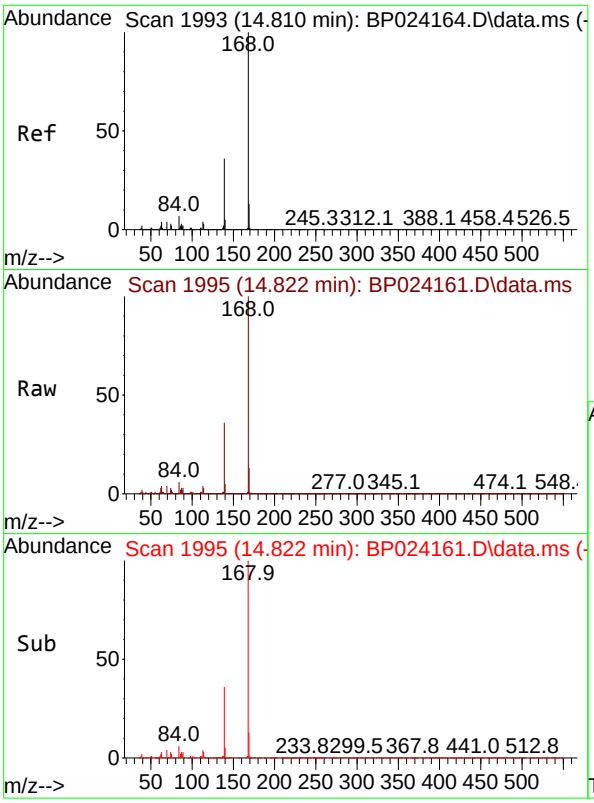


#53
3-Nitroaniline
Concen: 4.129 ng
RT: 14.310 min Scan# 1908
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:138 Resp: 50611

Ion	Ratio	Lower	Upper
138	100		
108	11.4	8.2	12.2
92	107.5	86.7	130.1



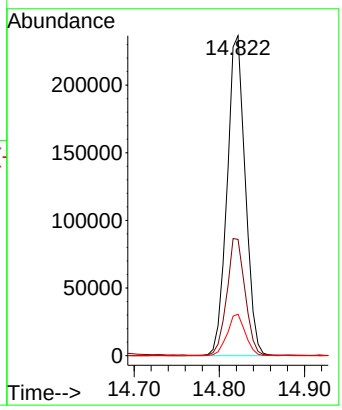


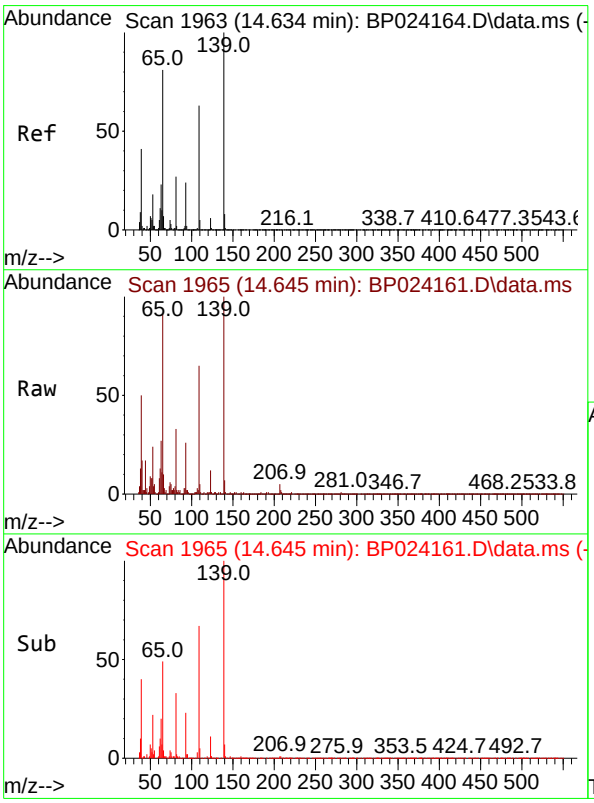
#55
Dibenzofuran
Concen: 4.858 ng
RT: 14.822 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:168 Resp: 351651

Ion	Ratio	Lower	Upper
168	100		
139	36.4	29.1	43.7
169	13.0	10.8	16.2

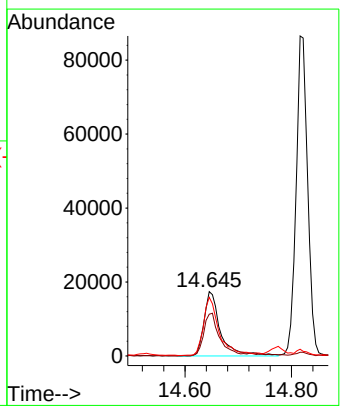


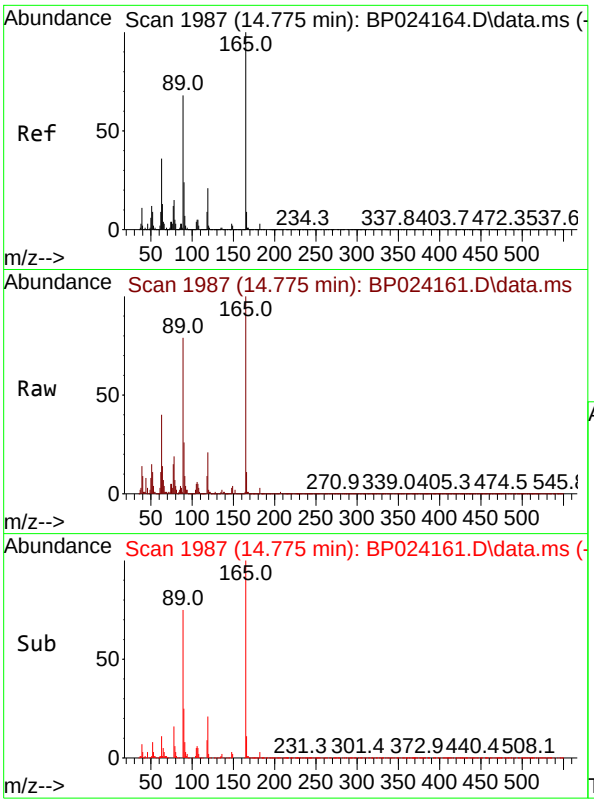


#56
4-Nitrophenol
Concen: 3.521 ng
RT: 14.645 min Scan# 1965
Delta R.T. 0.012 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:139 Resp: 37281

Ion	Ratio	Lower	Upper
139	100		
109	65.1	43.3	83.3
65	91.1	61.2	101.2



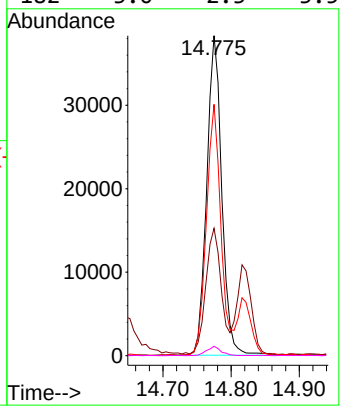


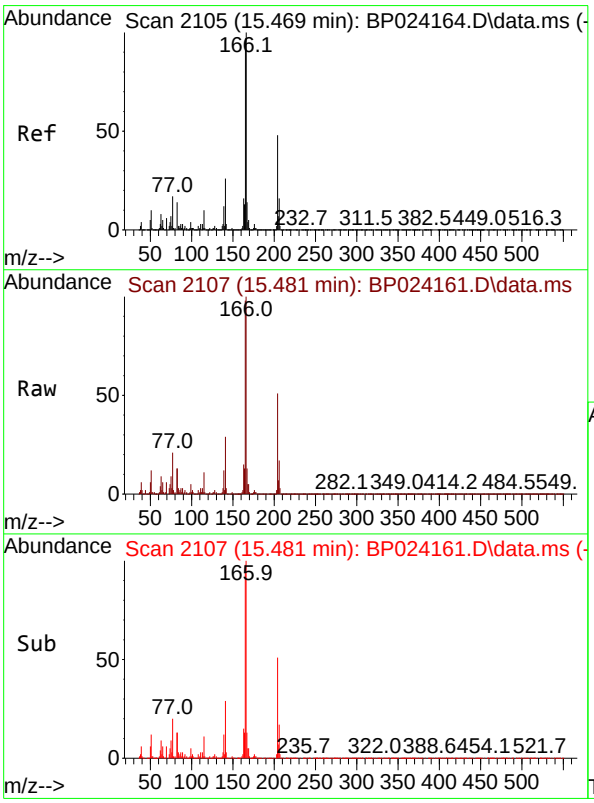
#57
2,4-Dinitrotoluene
Concen: 3.946 ng
RT: 14.775 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:165 Resp: 58882

Ion	Ratio	Lower	Upper
165	100		
63	39.8	29.0	43.6
89	78.5	54.2	81.4
182	3.0	2.3	3.5

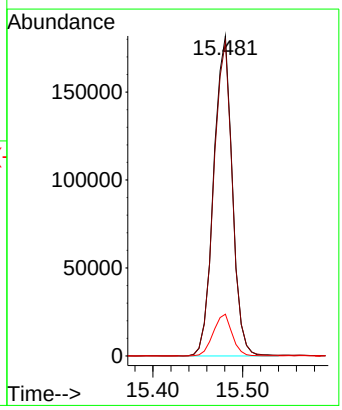


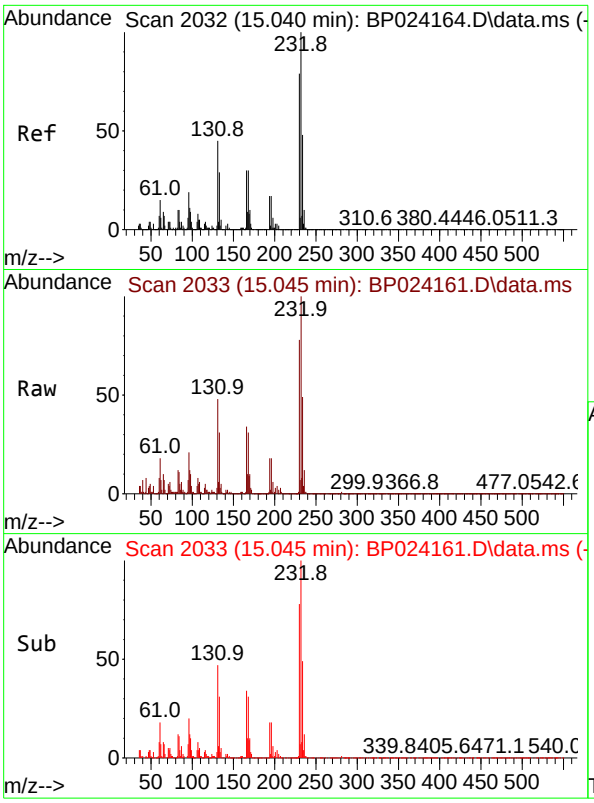


#58
Fluorene
Concen: 4.629 ng
RT: 15.481 min Scan# 2107
Delta R.T. 0.012 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:166 Resp: 261676

Ion	Ratio	Lower	Upper
166	100		
165	98.2	77.6	116.4
167	13.1	10.8	16.2



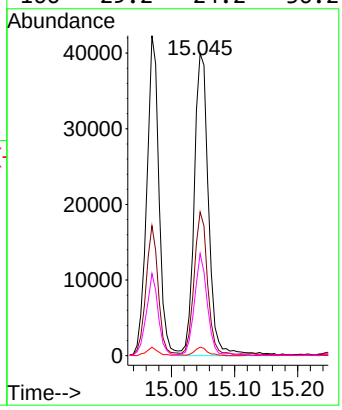


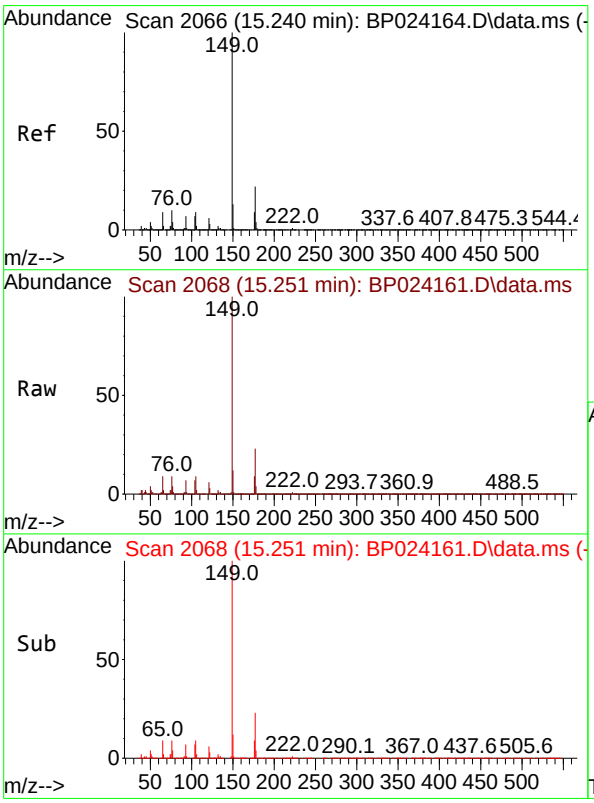
#59
2,3,4,6-Tetrachlorophenol
Concen: 4.441 ng
RT: 15.045 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:232 Resp: 63120

Ion	Ratio	Lower	Upper
232	100		
131	43.5	35.9	53.9
130	2.6	1.8	2.6
166	29.2	24.2	36.2

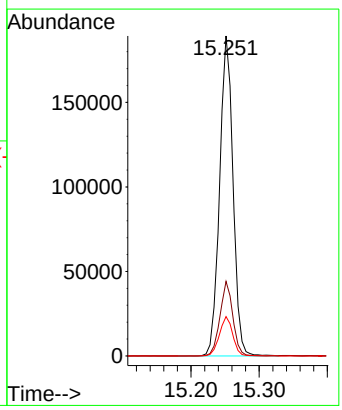


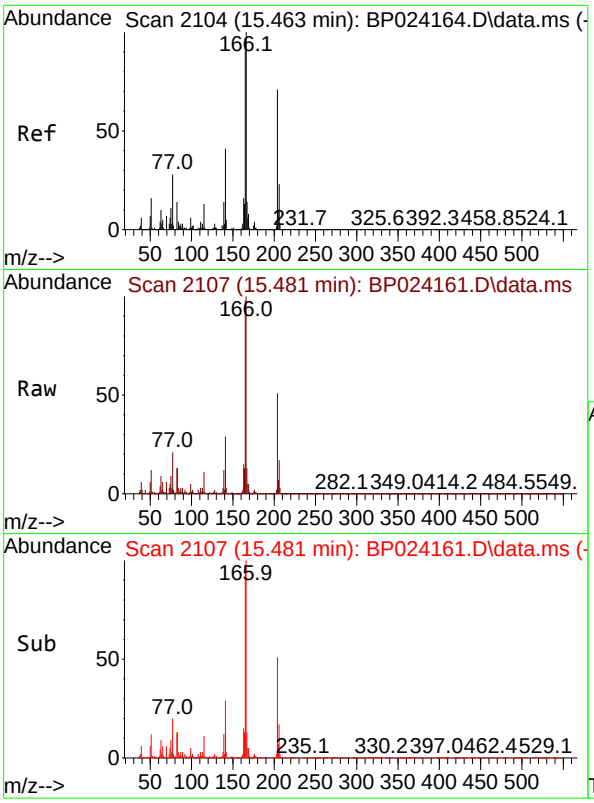


#60
Diethylphthalate
Concen: 4.631 ng
RT: 15.251 min Scan# 2068
Delta R.T. 0.012 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:149 Resp: 259242

Ion	Ratio	Lower	Upper
149	100		
177	23.3	17.7	26.5
150	12.3	10.2	15.4



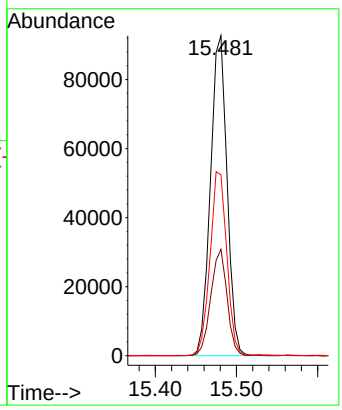


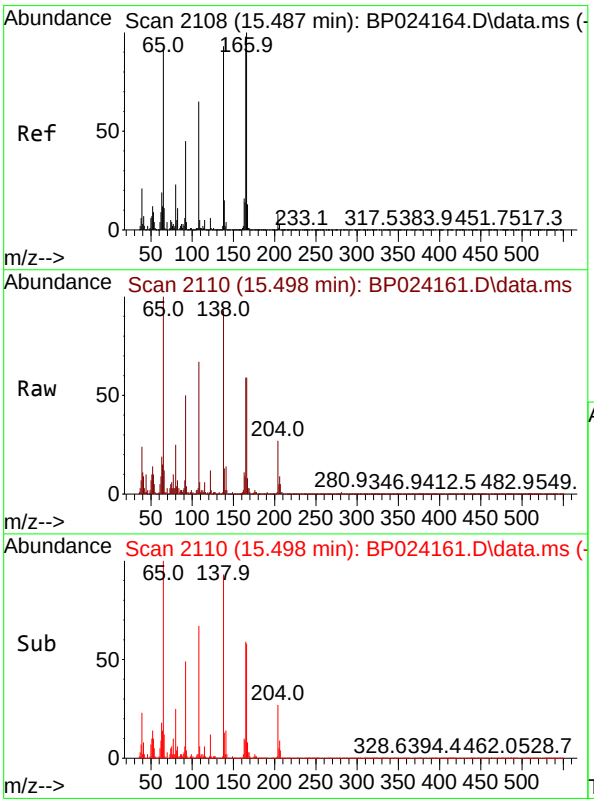
#61
4-Chlorophenyl-phenylether
Concen: 4.724 ng
RT: 15.481 min Scan# 21
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:204 Resp: 131441

Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.4	39.6
141	56.6	45.8	68.8

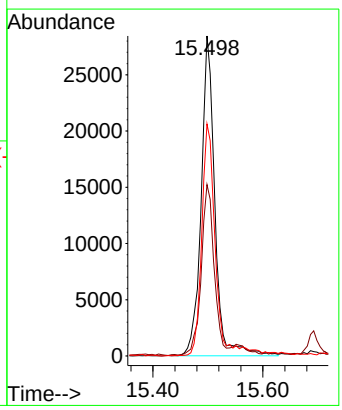


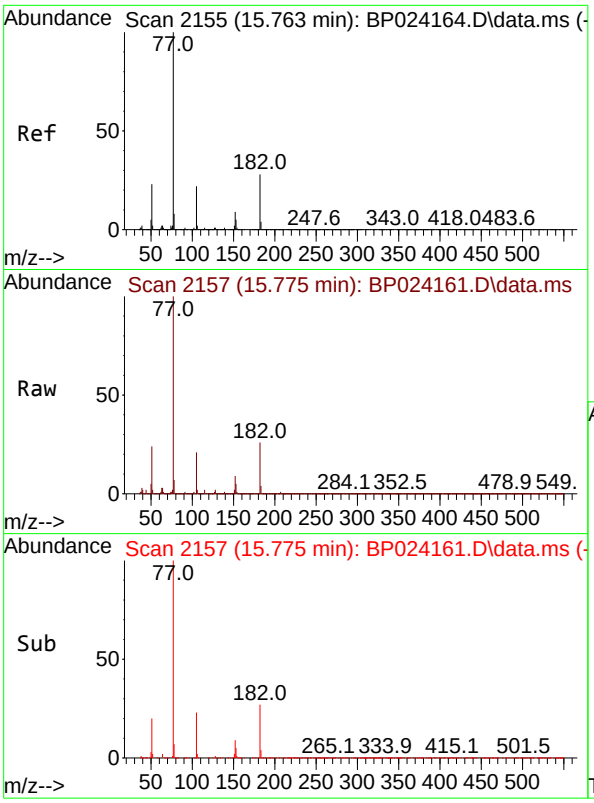


#62
4-Nitroaniline
Concen: 3.871 ng
RT: 15.498 min Scan# 2110
Delta R.T. 0.012 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:138 Resp: 49239

Ion	Ratio	Lower	Upper
138	100		
92	53.6	28.7	68.7
108	72.5	49.5	89.5



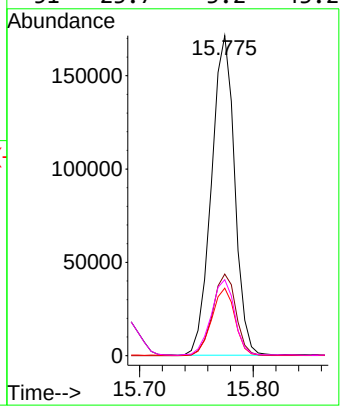


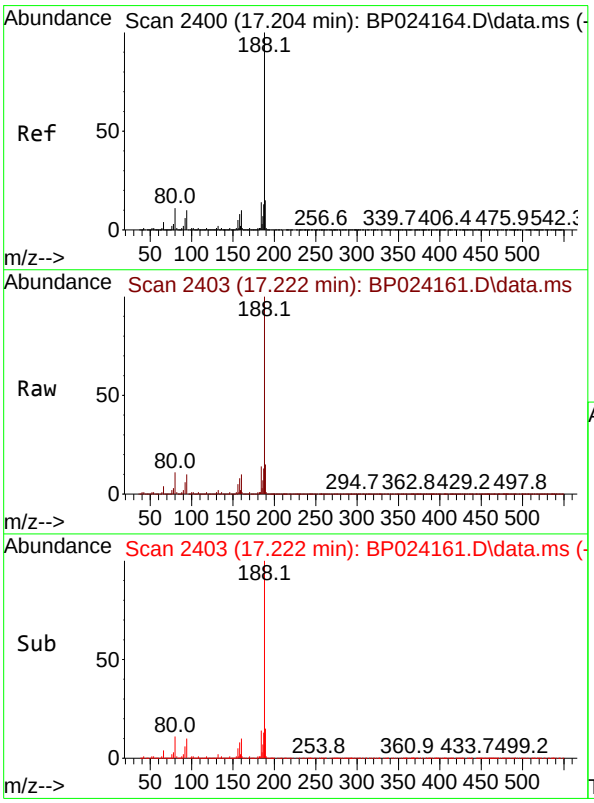
#63
Azobenzene
Concen: 4.628 ng
RT: 15.775 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 242768

Ion	Ratio	Lower	Upper
77	100		
182	25.5	7.7	47.7
105	21.1	2.3	42.3
51	23.7	3.2	43.2

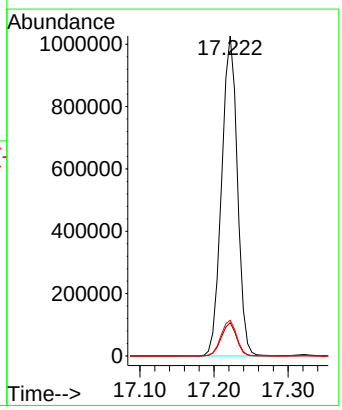


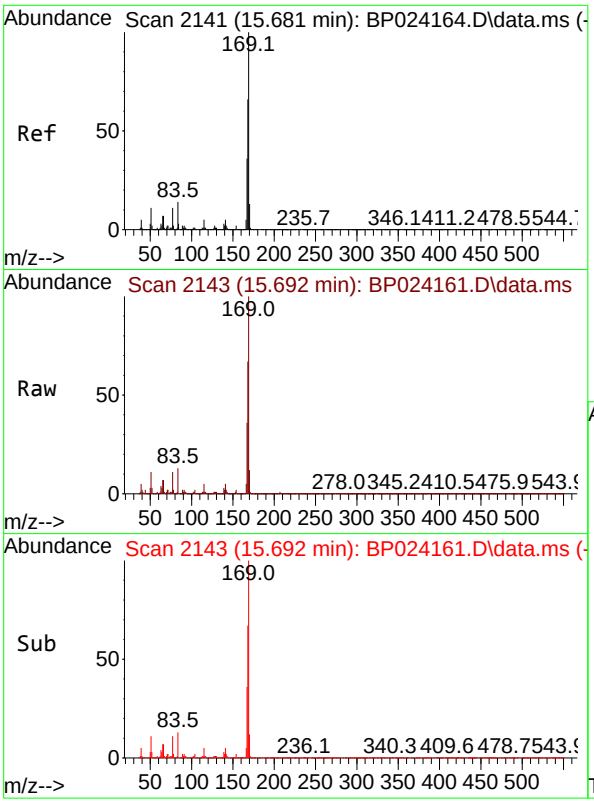


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.222 min Scan# 2403
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:188 Resp: 1516956

Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.1	12.1
80	11.2	8.9	13.3



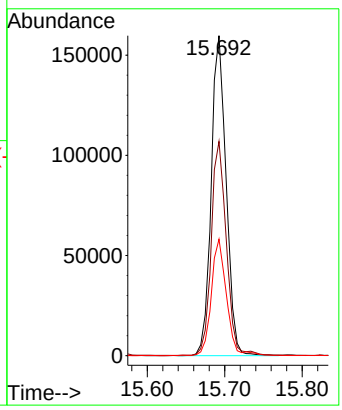


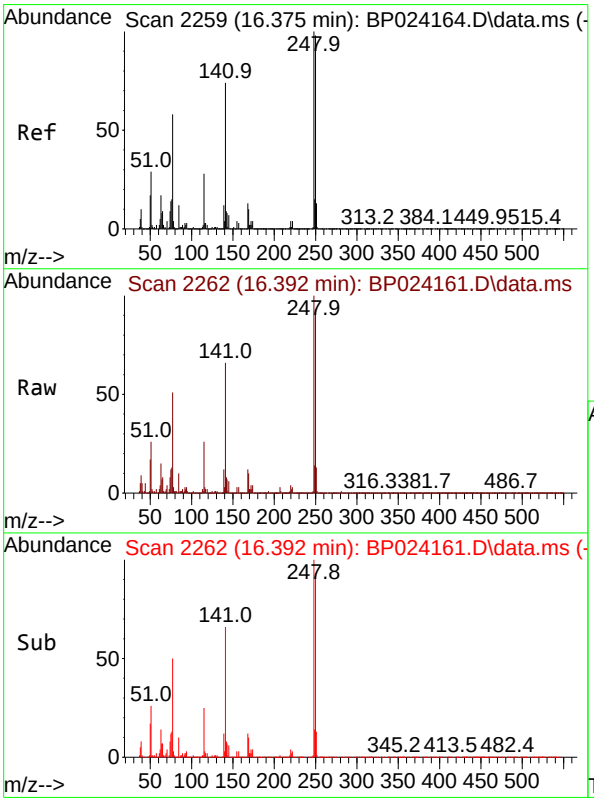
#66
n-Nitrosodiphenylamine
Concen: 4.522 ng
RT: 15.692 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:169 Resp: 213927

Ion	Ratio	Lower	Upper
169	100		
168	66.9	52.9	79.3
167	36.4	28.8	43.2

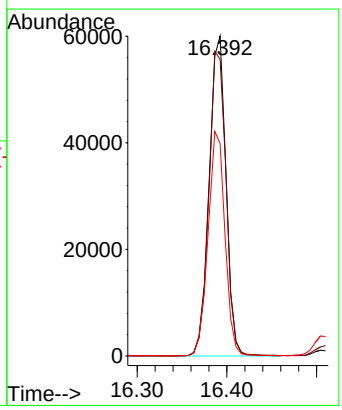


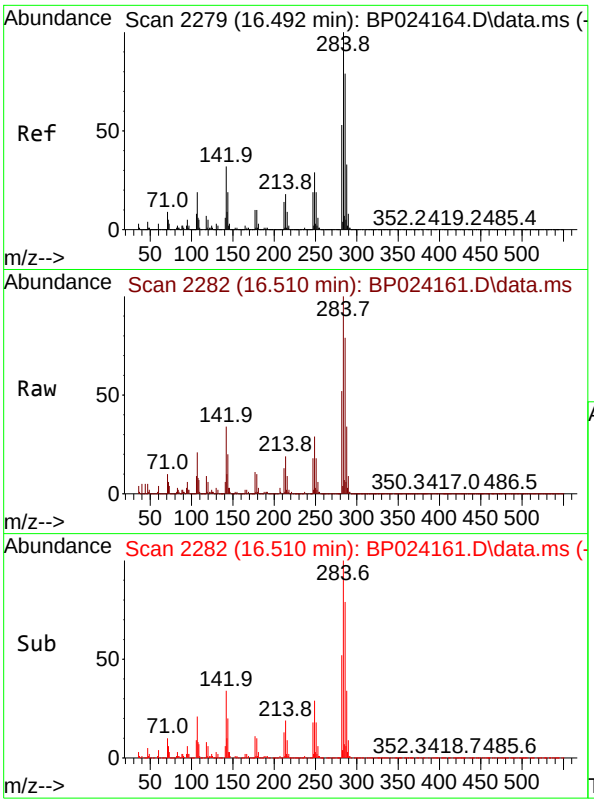


#67
4-Bromophenyl-phenylether
Concen: 4.597 ng
RT: 16.392 min Scan# 2262
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:248 Resp: 78309

Ion	Ratio	Lower	Upper
248	100		
250	92.7	78.4	117.6
141	66.4	59.4	89.0



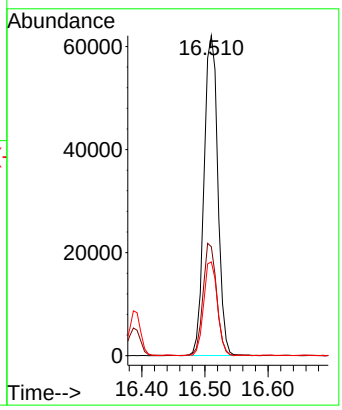


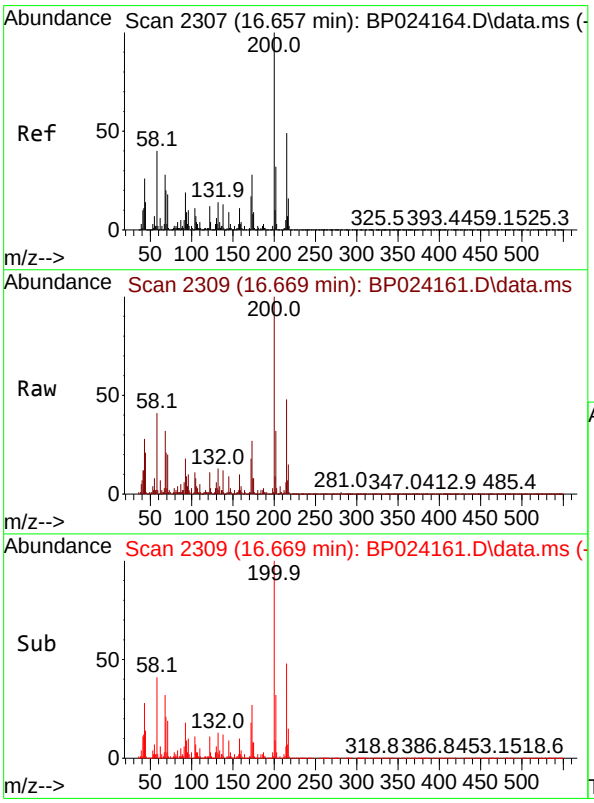
#68
Hexachlorobenzene
Concen: 4.696 ng
RT: 16.510 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:284 Resp: 94130

Ion	Ratio	Lower	Upper
284	100		
142	34.1	25.4	38.2
249	29.3	23.5	35.3

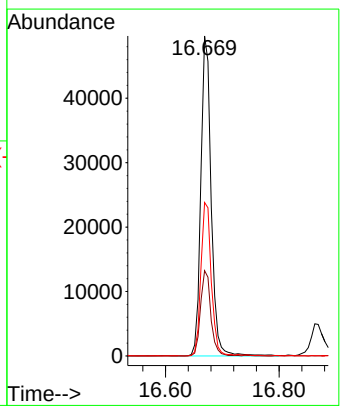


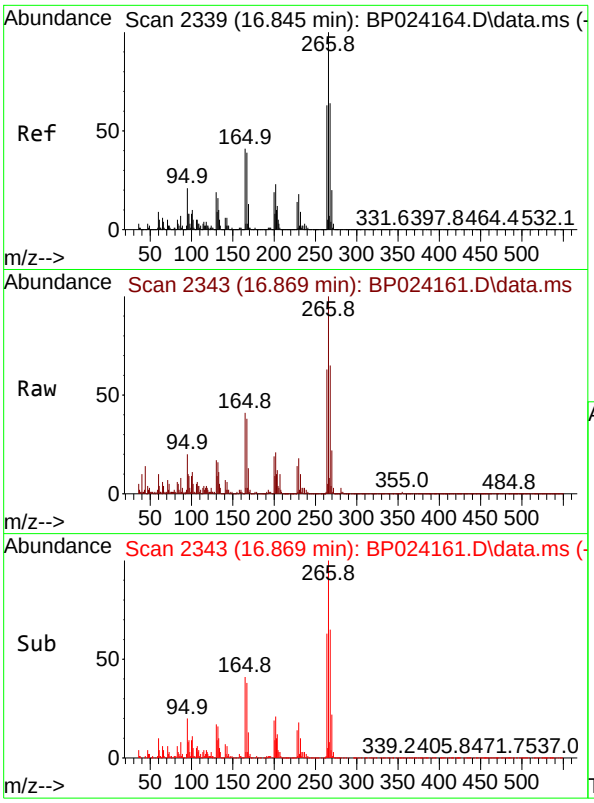


#69
Atrazine
Concen: 5.152 ng
RT: 16.669 min Scan# 2309
Delta R.T. 0.012 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:200 Resp: 62551

Ion	Ratio	Lower	Upper
200	100		
173	26.6	7.6	47.6
215	47.9	29.0	69.0



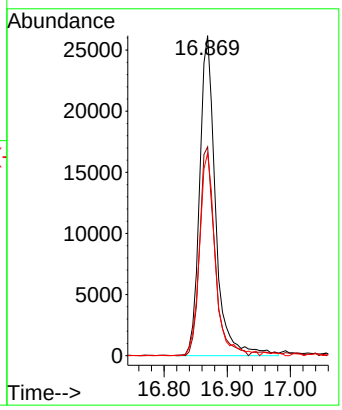


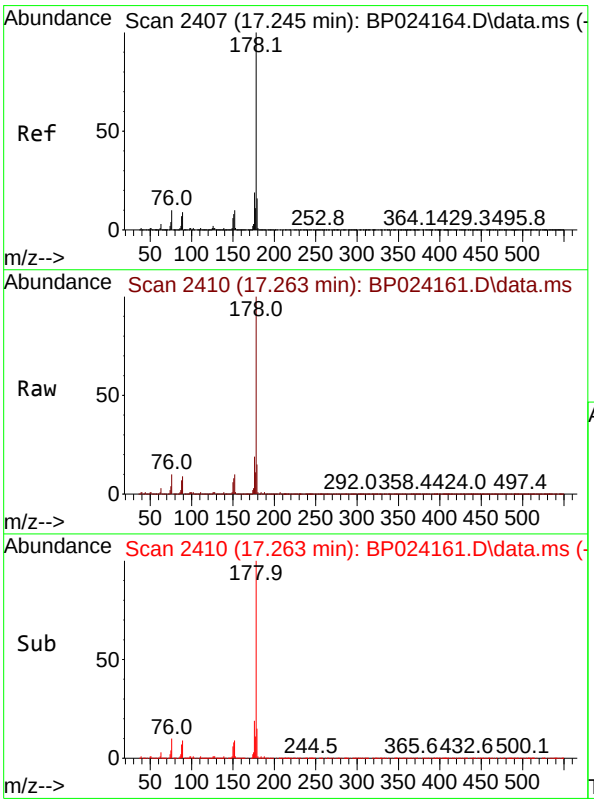
#70
Pentachlorophenol
Concen: 3.525 ng
RT: 16.869 min Scan# 2
Delta R.T. 0.024 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:266 Resp: 45885

Ion	Ratio	Lower	Upper
266	100		
268	65.2	51.3	76.9
264	63.3	50.6	76.0

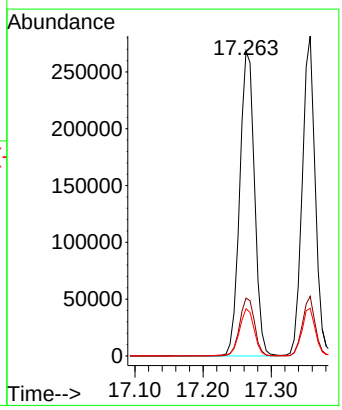


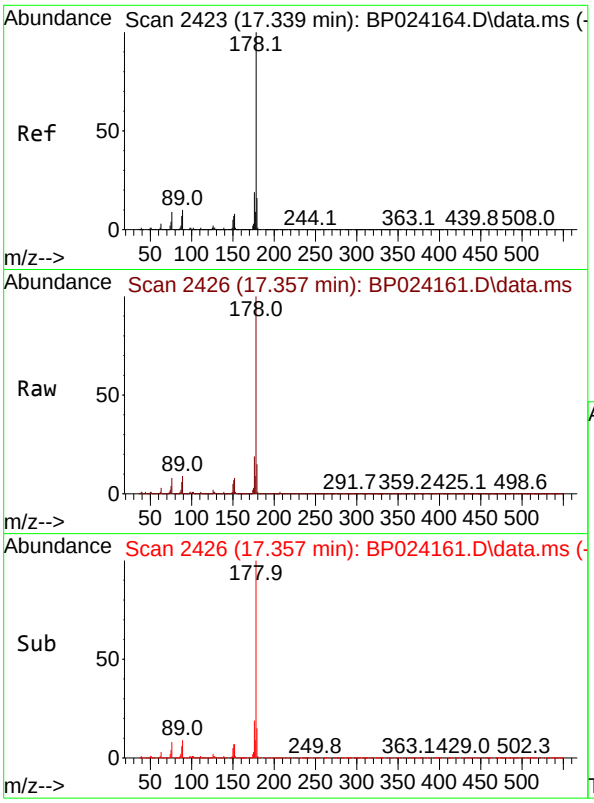


#71
Phenanthrene
Concen: 4.734 ng
RT: 17.263 min Scan# 2410
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:178 Resp: 404881

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.6	23.4
179	15.5	12.5	18.7



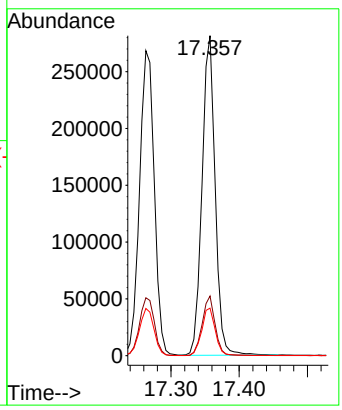


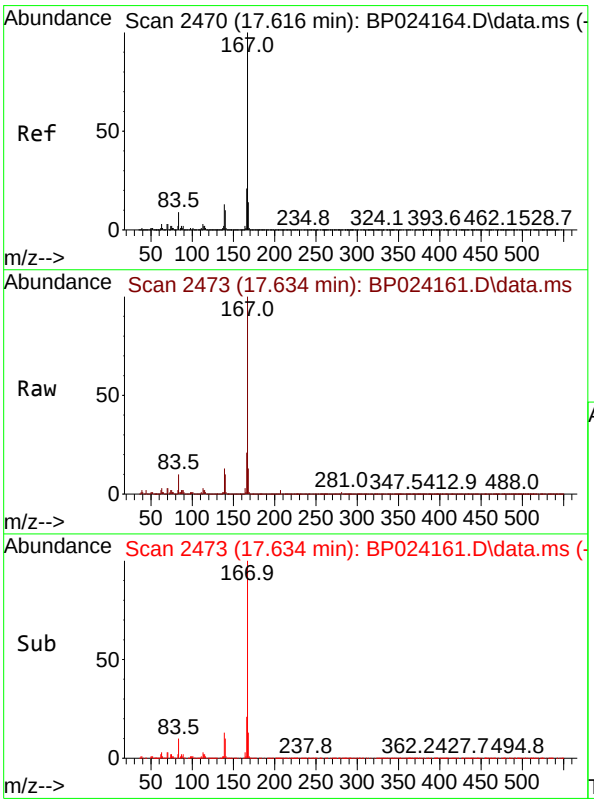
#72
Anthracene
Concen: 4.595 ng
RT: 17.357 min Scan# 24
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:178 Resp: 376601

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.2	22.8
179	14.8	12.6	18.8

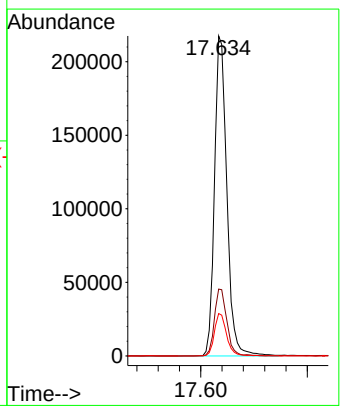


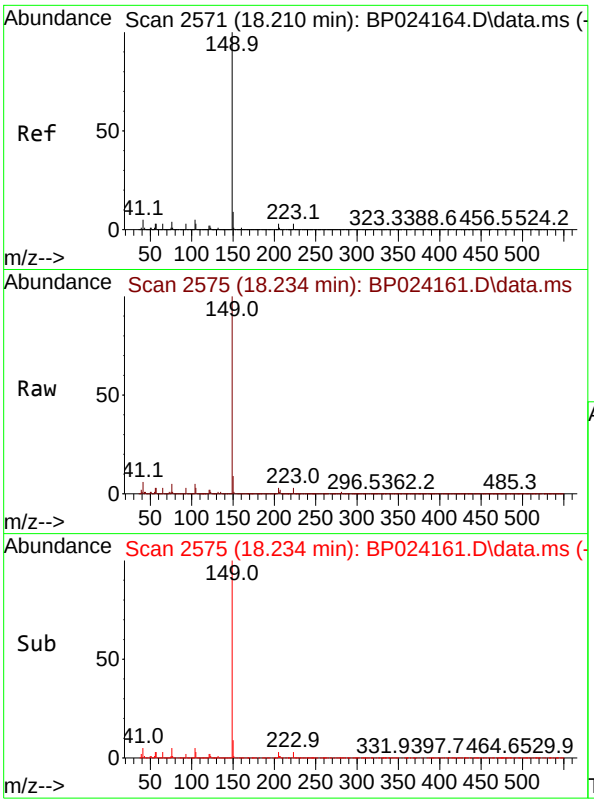


#73
Carbazole
Concen: 4.469 ng
RT: 17.634 min Scan# 2473
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:167 Resp: 349000

Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.1	25.7
139	13.3	10.2	15.4



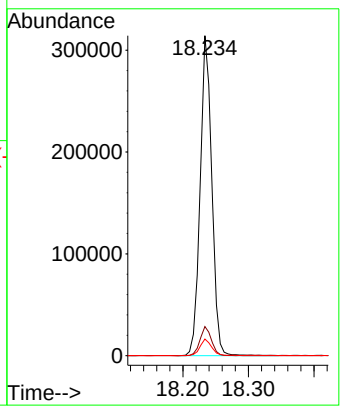


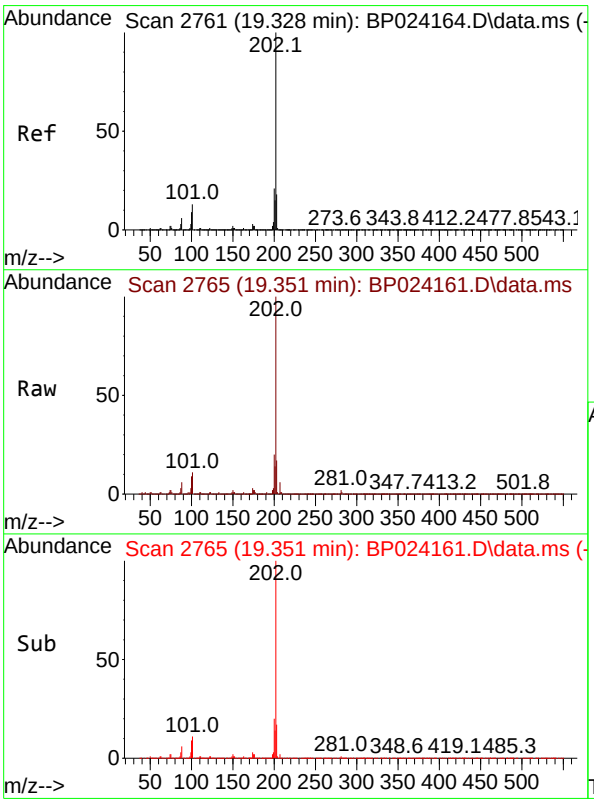
#74
Di-n-butylphthalate
Concen: 4.270 ng
RT: 18.234 min Scan# 2
Delta R.T. 0.024 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 389057

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.6	11.4
104	5.2	3.9	5.9

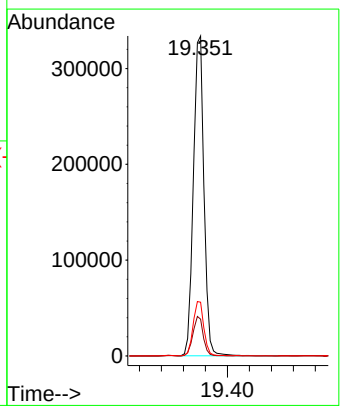


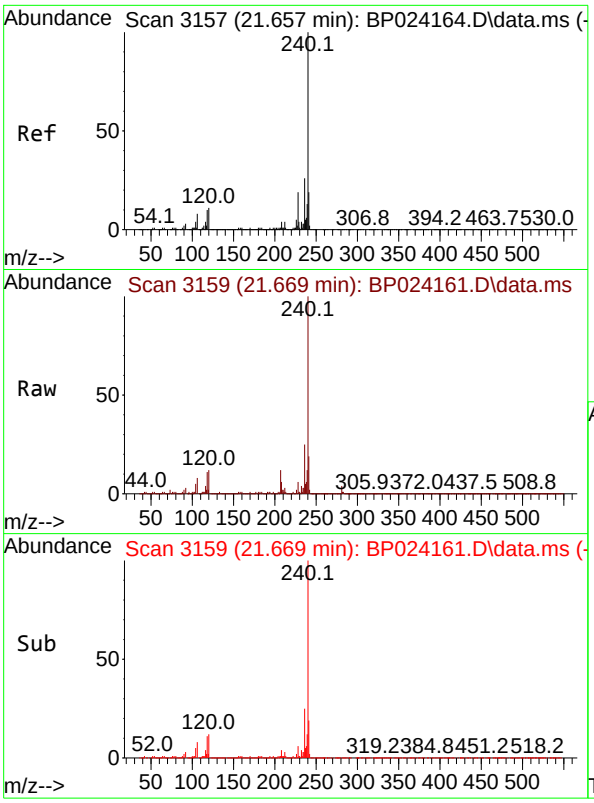


#75
Fluoranthene
Concen: 4.597 ng
RT: 19.351 min Scan# 2765
Delta R.T. 0.024 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:202 Resp: 444670

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	32.5
203	16.8	0.0	37.9



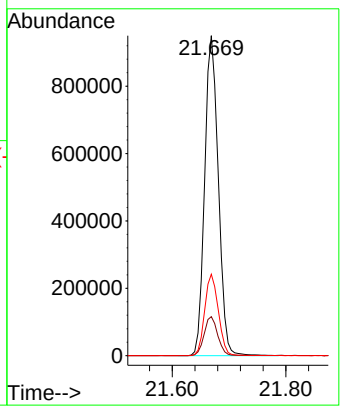


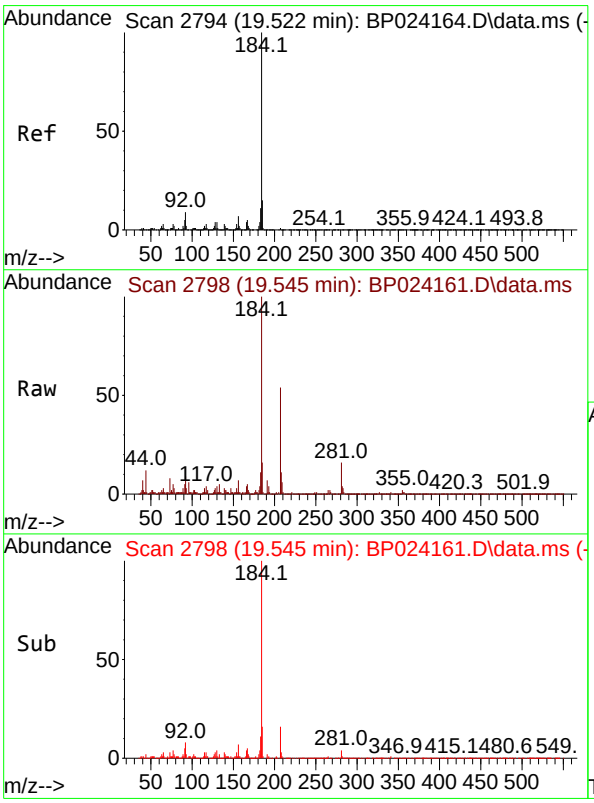
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.669 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:240 Resp: 1578855

Ion	Ratio	Lower	Upper
240	100		
120	12.2	9.2	13.8
236	25.5	20.4	30.6

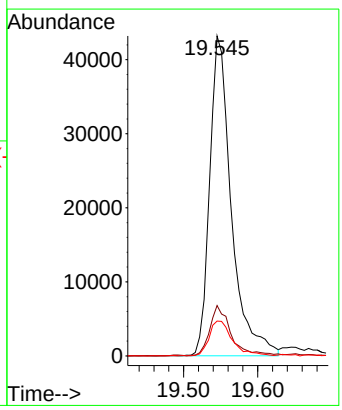


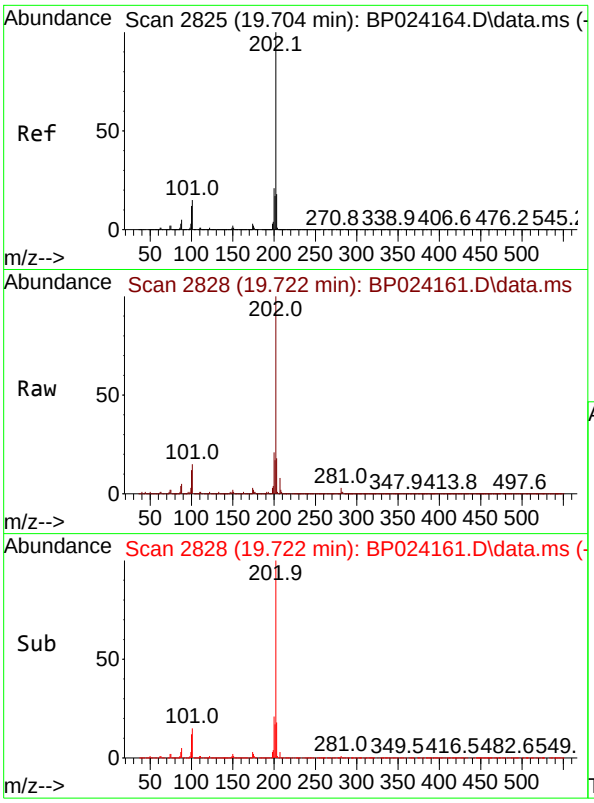


#77
Benzidine
Concen: 4.562 ng
RT: 19.545 min Scan# 2798
Delta R.T. 0.024 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:184 Resp: 87777

Ion	Ratio	Lower	Upper
184	100		
185	15.7	11.8	17.6
183	10.9	9.1	13.7



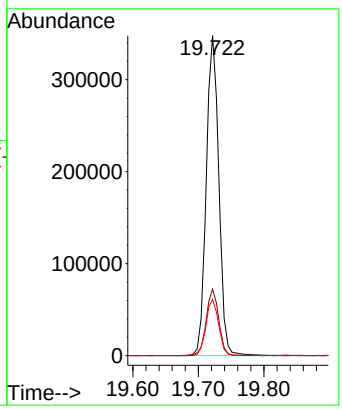


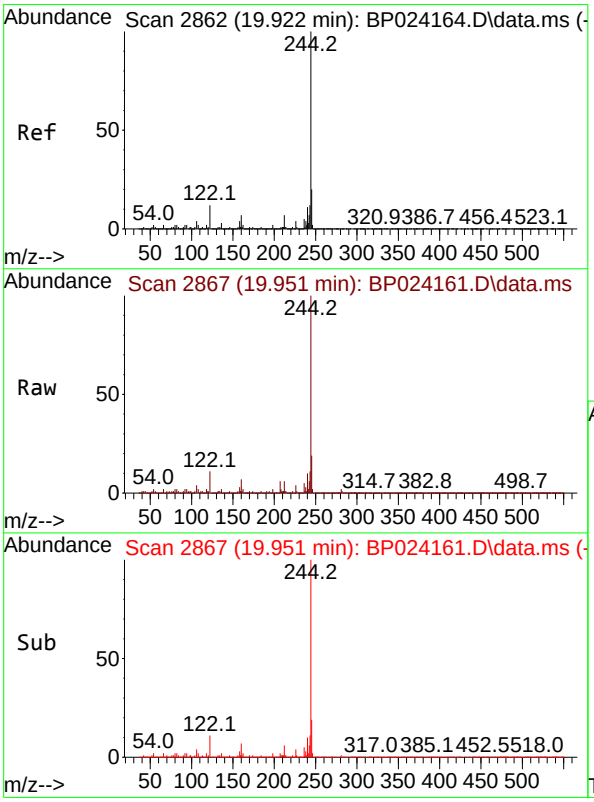
#78
Pyrene
Concen: 4.634 ng
RT: 19.722 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:202 Resp: 464704

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.1	25.7
203	17.6	14.2	21.4

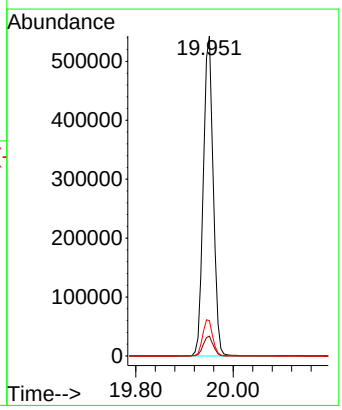


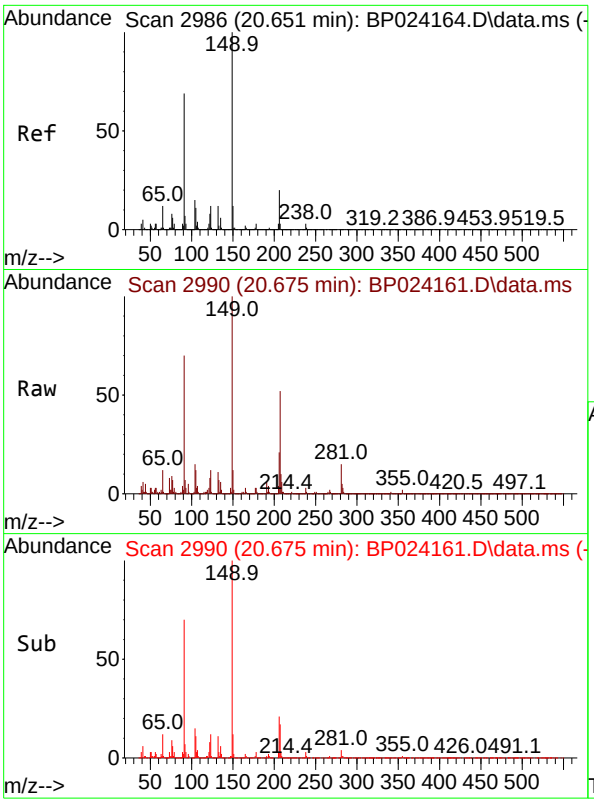


#79
Terphenyl-d14
Concen: 9.563 ng
RT: 19.951 min Scan# 2867
Delta R.T. 0.029 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:244 Resp: 763023

Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.7	8.5
122	11.1	9.6	14.4



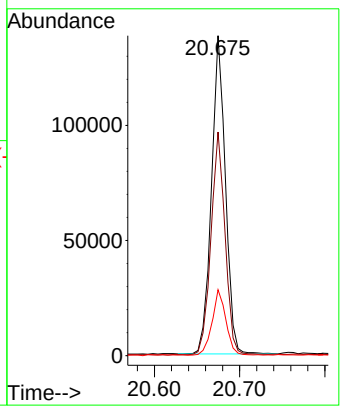


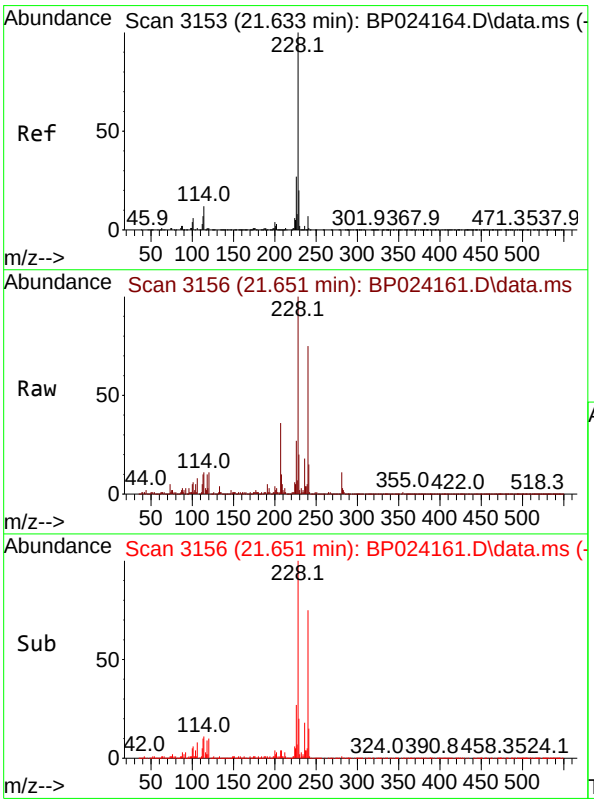
#80
Butylbenzylphthalate
Concen: 4.101 ng
RT: 20.675 min Scan# 2
Delta R.T. 0.024 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 157601

Ion	Ratio	Lower	Upper
149	100		
91	69.9	55.3	82.9
206	20.6	16.1	24.1

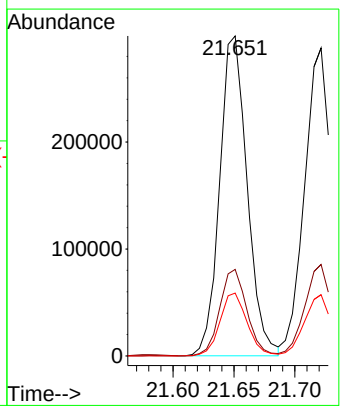


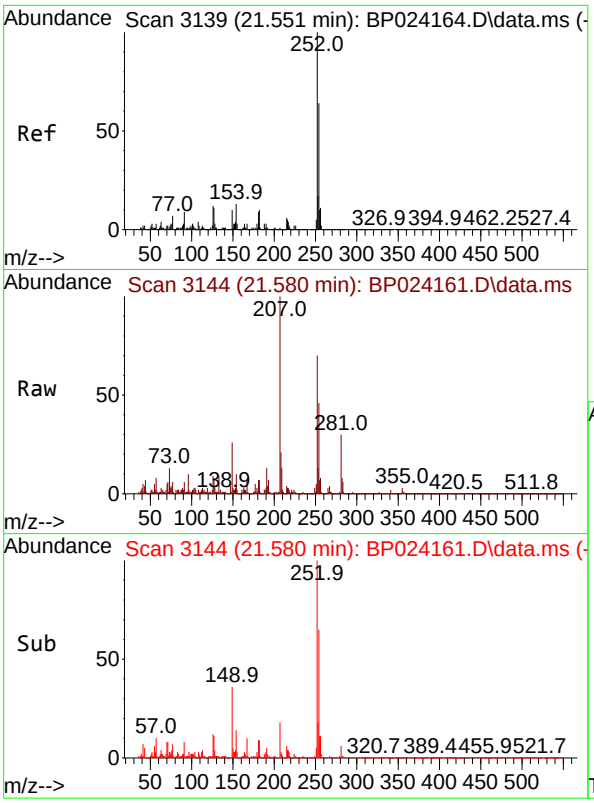


#81
Benzo(a)anthracene
Concen: 4.761 ng
RT: 21.651 min Scan# 3156
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:228 Resp: 471347

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.8	32.8
229	19.6	16.0	24.0



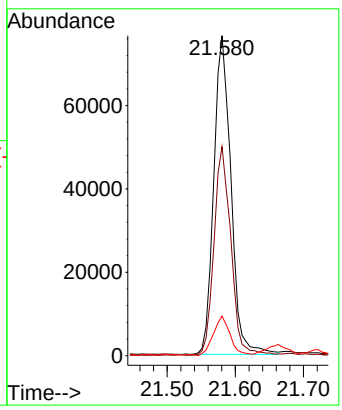


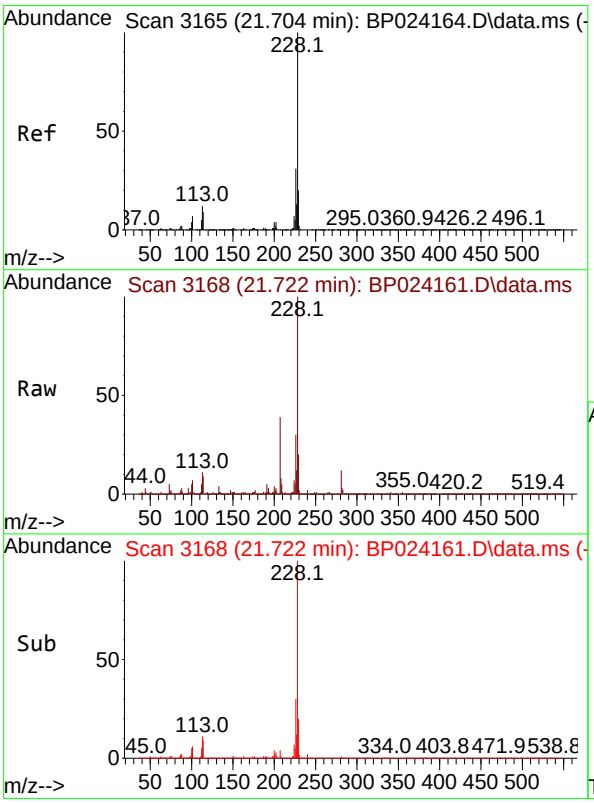
#82
3,3'-Dichlorobenzidine
Concen: 4.336 ng
RT: 21.580 min Scan# 3
Delta R.T. 0.029 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 134146

Ion	Ratio	Lower	Upper
252	100		
254	65.3	51.4	77.2
126	12.4	9.3	13.9

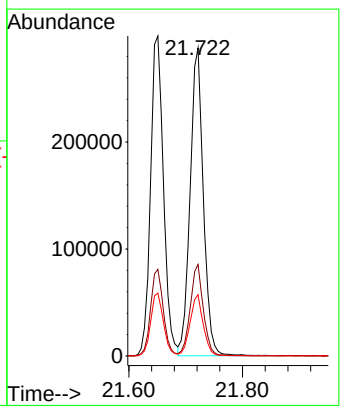


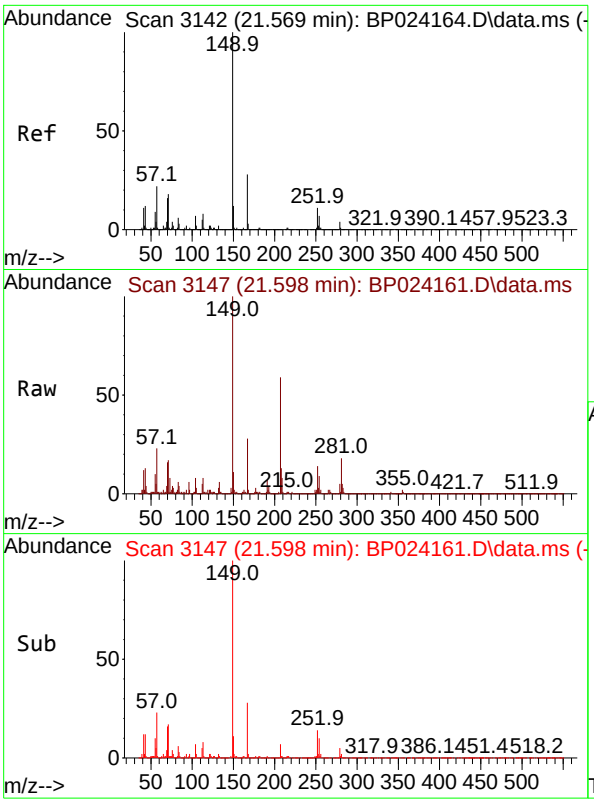


#83
Chrysene
Concen: 4.898 ng
RT: 21.722 min Scan# 3168
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:228 Resp: 467600

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.5	36.7
229	19.9	16.2	24.2



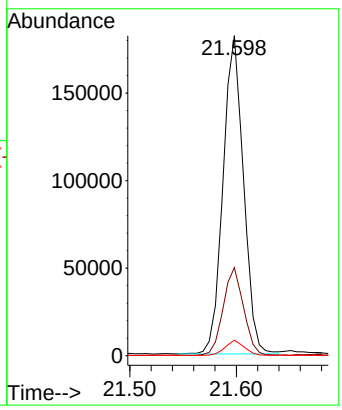


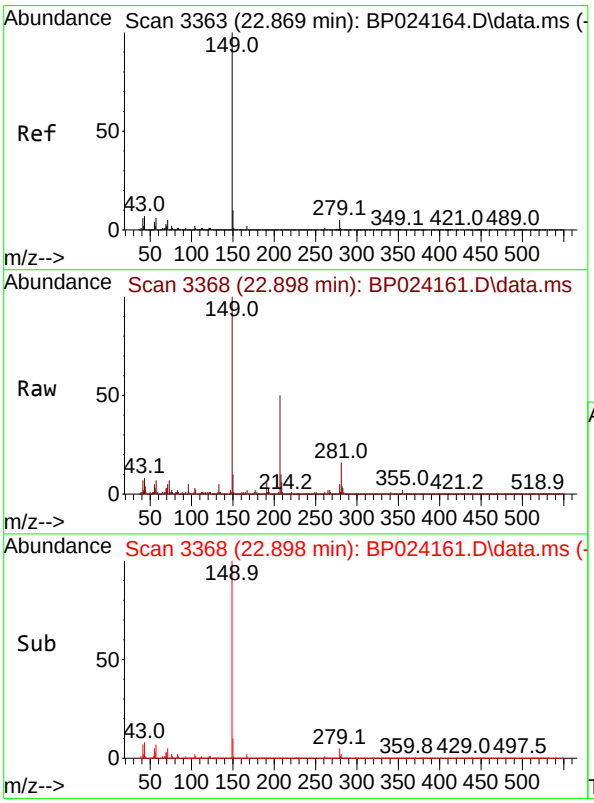
#84
Bis(2-ethylhexyl)phthalate
Concen: 4.153 ng
RT: 21.598 min Scan# 3
Delta R.T. 0.029 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 242048

Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.5	33.7
279	4.8	3.6	5.4

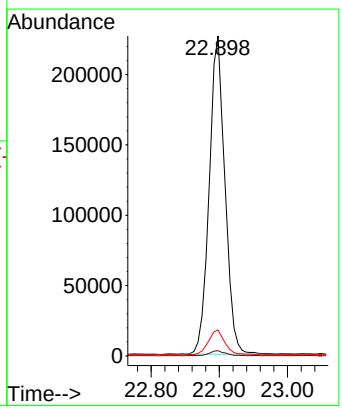


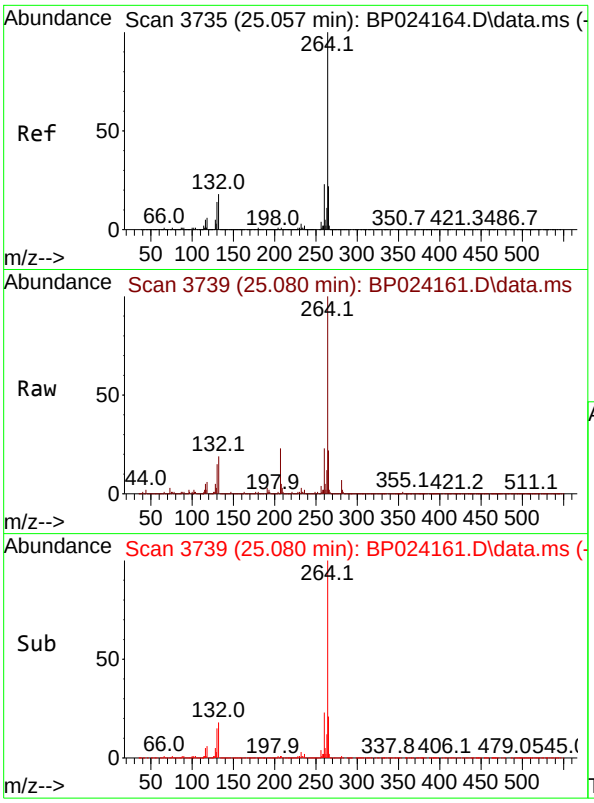


#85
Di-n-octyl phthalate
Concen: 3.905 ng
RT: 22.898 min Scan# 3368
Delta R.T. 0.029 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:149 Resp: 363786

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.2	5.8	8.8



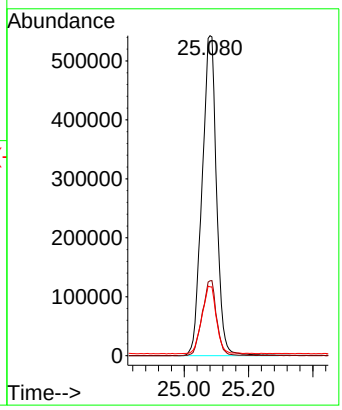


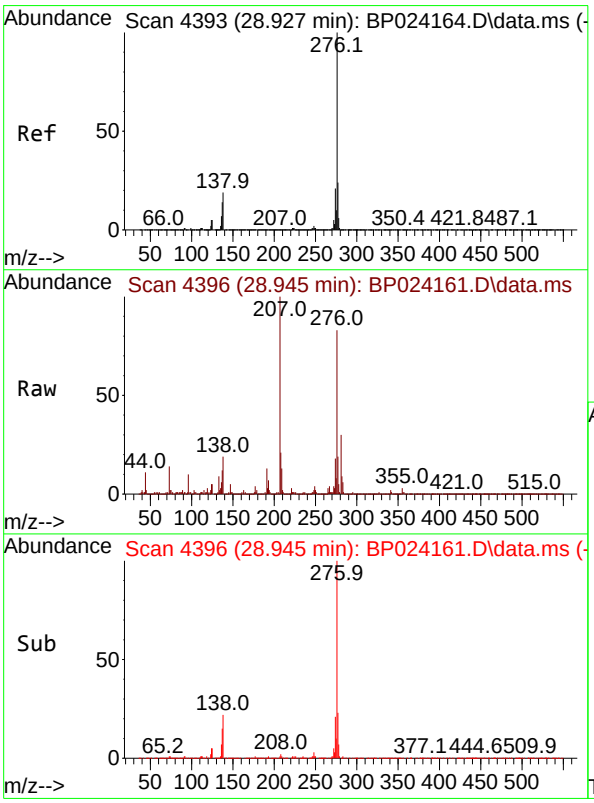
#86
Perylene-d12
Concen: 20.000 ng
RT: 25.080 min Scan# 3
Delta R.T. 0.024 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:264 Resp: 1694453

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.5	27.7
265	21.5	17.7	26.5

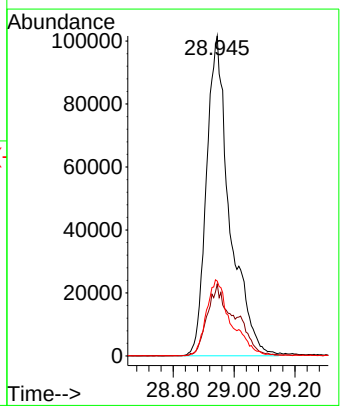


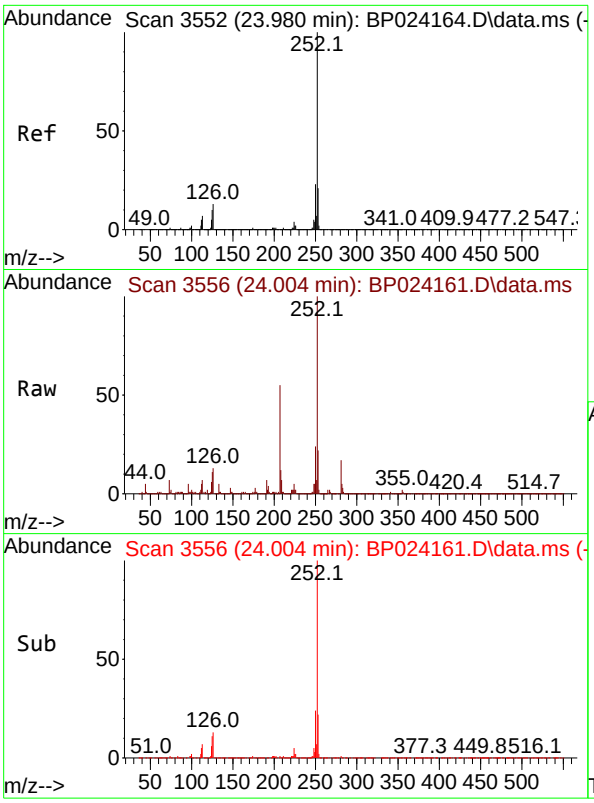


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.476 ng
RT: 28.945 min Scan# 4396
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:276 Resp: 539523

Ion	Ratio	Lower	Upper
276	100		
138	20.0	13.7	20.5
277	25.2	20.2	30.2



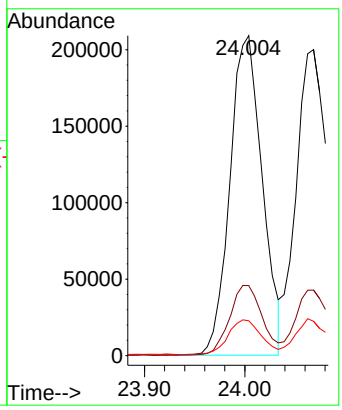


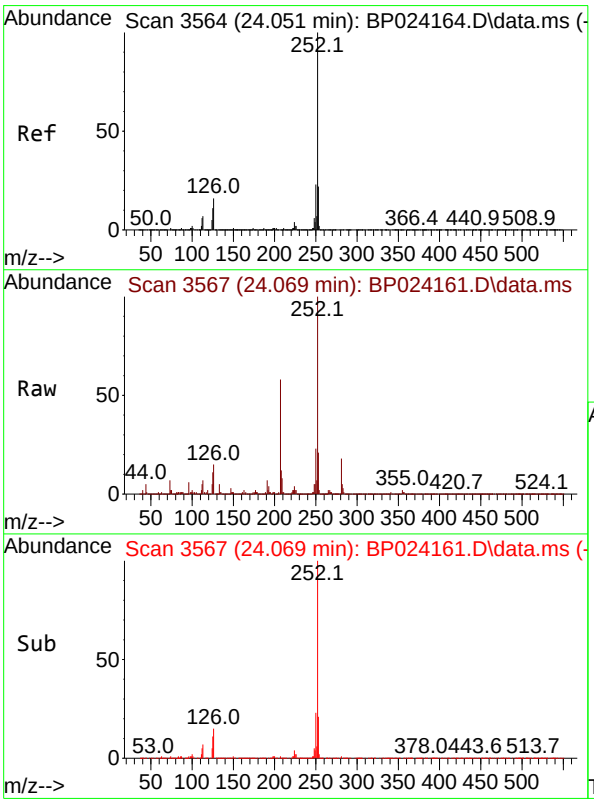
#88
Benzo(b)fluoranthene
Concen: 4.344 ng
RT: 24.004 min Scan# 3
Delta R.T. 0.024 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 467406

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	10.9	8.2	12.4

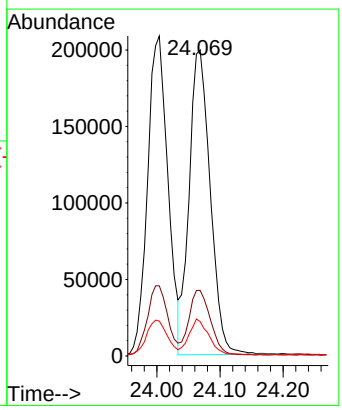


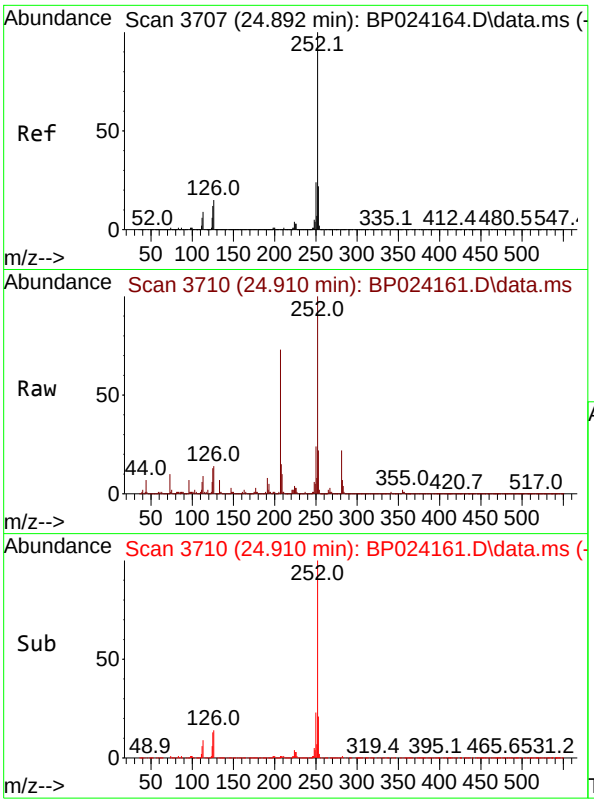


#89
Benzo(k)fluoranthene
Concen: 4.417 ng
RT: 24.069 min Scan# 3567
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:252 Resp: 462653

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.7	26.5
125	11.3	9.1	13.7



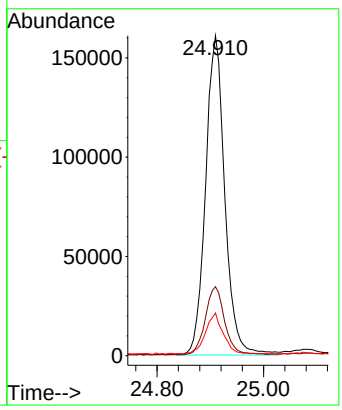


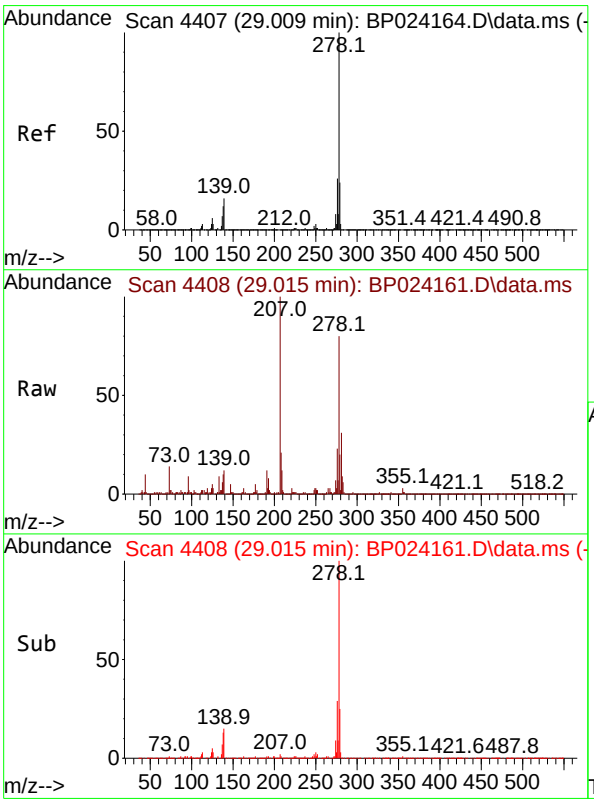
#90
Benzo(a)pyrene
Concen: 4.421 ng
RT: 24.910 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 403692

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.0
125	13.4	9.6	14.4

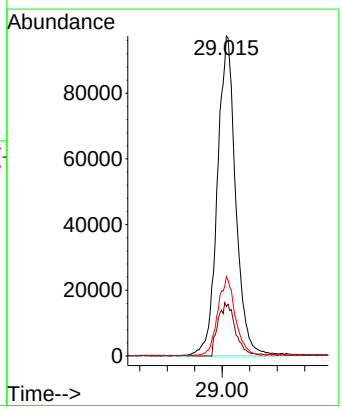


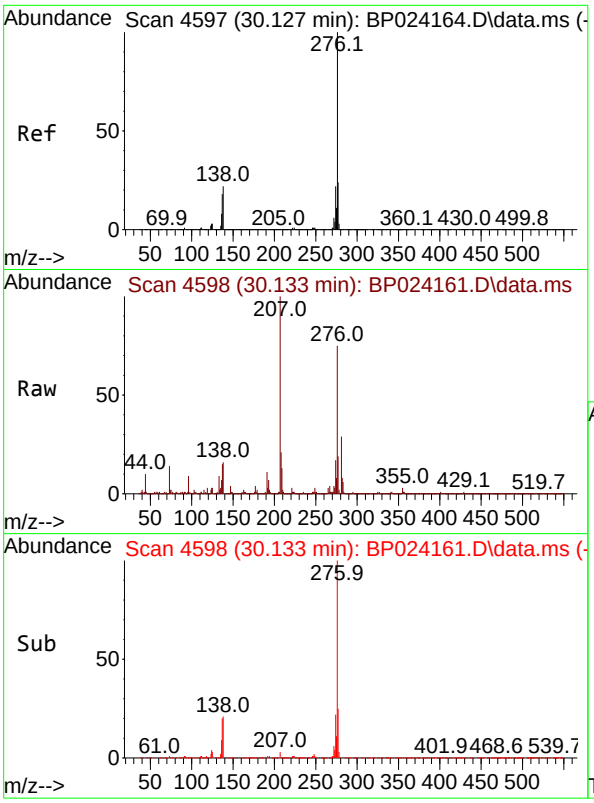


#91
Dibenzo(a,h)anthracene
Concen: 4.444 ng
RT: 29.015 min Scan# 4408
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Tgt Ion:278 Resp: 450461

Ion	Ratio	Lower	Upper
278	100		
139	15.4	13.0	19.4
279	24.8	18.8	28.2



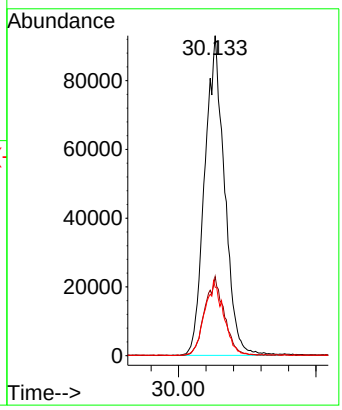


#92
Benzo(g,h,i)perylene
Concen: 4.518 ng
RT: 30.133 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP024161.D
Acq: 12 Mar 2025 16:57

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 464721

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.2	28.8
138	21.4	17.4	26.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024162.D
Acq On : 12 Mar 2025 17:38
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Quant Time: Mar 13 04:06:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.769	152	350891	20.000	ng		0.00
21) Naphthalene-d8	10.546	136	1459823	20.000	ng		0.00
39) Acenaphthene-d10	14.404	164	878356	20.000	ng		0.00
64) Phenanthrene-d10	17.210	188	1659965	20.000	ng		0.00
76) Chrysene-d12	21.680	240	1774754	20.000	ng		0.02
86) Perylene-d12	25.074	264	1895165	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.381	112	419093	18.636	ng		0.00
7) Phenol-d6	6.946	99	554588	19.188	ng		0.00
23) Nitrobenzene-d5	8.916	82	493399	18.856	ng		0.00
42) 2,4,6-Tribromophenol	15.916	330	195393	18.161	ng		0.00
45) 2-Fluorobiphenyl	13.010	172	1192744	18.984	ng		0.00
79) Terphenyl-d14	19.939	244	1726609	19.251	ng		0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.323	88	87630	9.934	ng		99
3) Pyridine	3.723	79	222685	9.709	ng		99
4) n-Nitrosodimethylamine	3.623	42	76580	9.413	ng	#	93
6) Aniline	7.105	93	268532	10.145	ng		99
8) 2-Chlorophenol	7.340	128	229815	9.655	ng		99
9) Benzaldehyde	6.922	77	166528	12.620	ng		99
10) Phenol	6.975	94	286246	9.849	ng		99
11) bis(2-Chloroethyl)ether	7.199	93	231087	10.095	ng		98
12) 1,3-Dichlorobenzene	7.658	146	254039	9.715	ng		99
13) 1,4-Dichlorobenzene	7.805	146	258553	9.777	ng		100
14) 1,2-Dichlorobenzene	8.122	146	250124	9.856	ng		100
15) Benzyl Alcohol	8.005	79	169563	9.584	ng		100
16) 2,2'-oxybis(1-Chloropr...	8.293	45	239855	10.794	ng		99
17) 2-Methylphenol	8.211	107	174913	9.876	ng		99
18) Hexachloroethane	8.840	117	89894	9.439	ng		98
19) n-Nitroso-di-n-propyla...	8.563	70	167789	10.797	ng		98
20) 3+4-Methylphenols	8.534	107	238685	9.906	ng		97
22) Acetophenone	8.581	105	357738	9.536	ng	#	99
24) Nitrobenzene	8.958	77	245585	9.536	ng		96
25) Isophorone	9.481	82	410357	9.590	ng		100
26) 2-Nitrophenol	9.669	139	103123	8.692	ng		98
27) 2,4-Dimethylphenol	9.728	122	144292	9.265	ng		99
28) bis(2-Chloroethoxy)met...	9.957	93	304956	9.838	ng		99
29) 2,4-Dichlorophenol	10.199	162	192263	9.046	ng		99
30) 1,2,4-Trichlorobenzene	10.410	180	227800	9.355	ng		98
31) Naphthalene	10.599	128	756826	9.642	ng		99
32) Benzoic acid	9.816	122	108330	7.587	ng		94
33) 4-Chloroaniline	10.705	127	260033	9.404	ng		98
34) Hexachlorobutadiene	10.887	225	130104	9.224	ng		98
35) Caprolactam	11.481	113	57479	8.931	ng		96
36) 4-Chloro-3-methylphenol	11.840	107	206744	9.462	ng		98
37) 2-Methylnaphthalene	12.210	142	498967	9.564	ng		99
38) 1-Methylnaphthalene	12.434	142	491304	9.680	ng		100
40) 1,2,4,5-Tetrachloroben...	12.581	216	246009	9.116	ng		100
41) Hexachlorocyclopentadiene	12.557	237	82803	8.245	ng		100
43) 2,4,6-Trichlorophenol	12.822	196	142353	8.649	ng		100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024162.D
Acq On : 12 Mar 2025 17:38
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Quant Time: Mar 13 04:06:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration

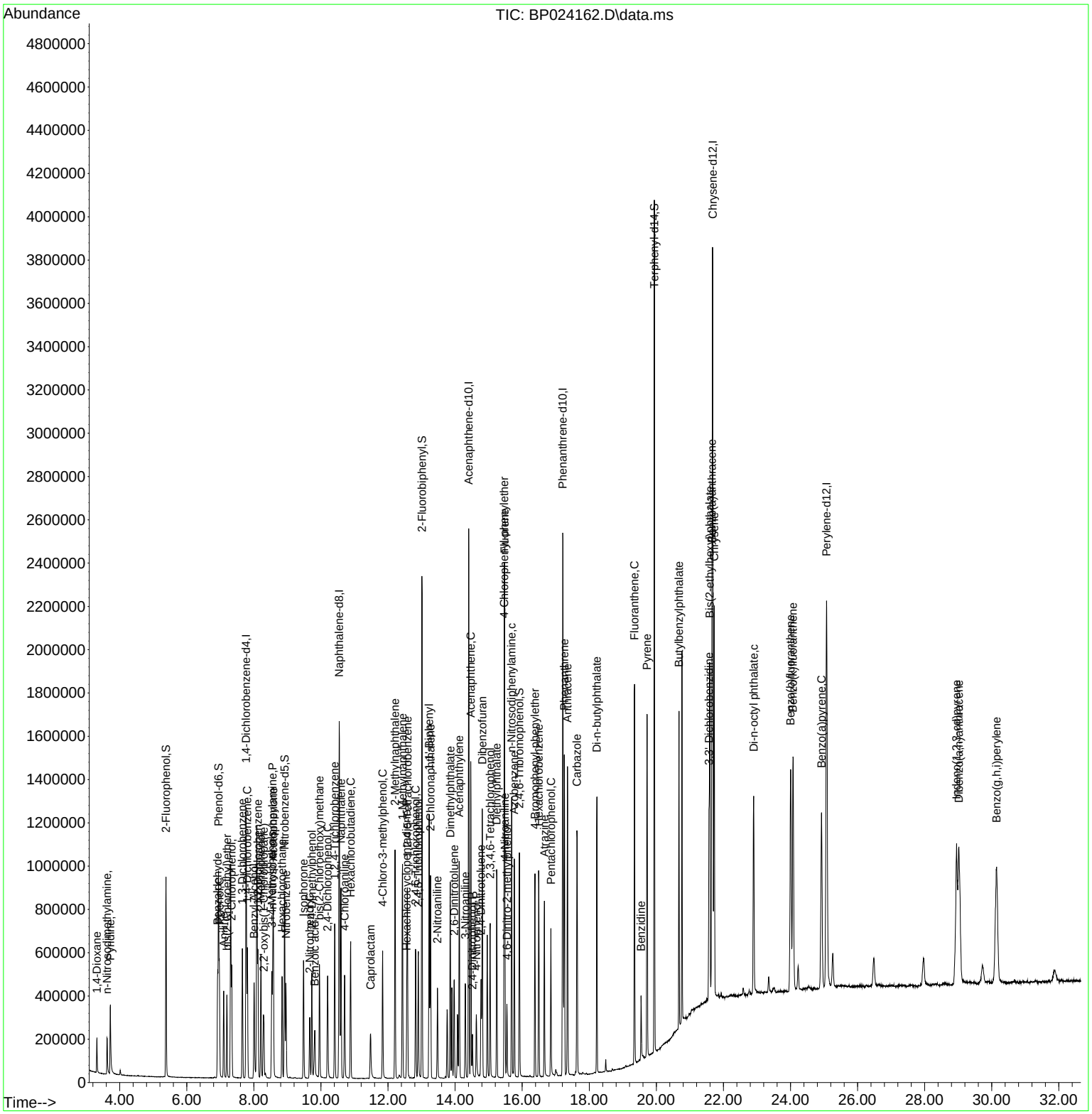
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.904	196	159135	8.841	ng		98
46) 1,1'-Biphenyl	13.228	154	647980	9.494	ng		99
47) 2-Chloronaphthalene	13.269	162	483199	9.365	ng		98
48) 2-Nitroaniline	13.475	65	110660	9.079	ng		94
49) Acenaphthylene	14.122	152	714937	9.405	ng		99
50) Dimethylphthalate	13.857	163	592520	9.563	ng		100
51) 2,6-Dinitrotoluene	13.975	165	116661	9.243	ng		95
52) Acenaphthene	14.469	154	463749	9.473	ng		99
53) 3-Nitroaniline	14.304	138	121229	9.001	ng		90
54) 2,4-Dinitrophenol	14.516	184	47409	7.053	ng		94
55) Dibenzofuran	14.810	168	769059	9.671	ng		99
56) 4-Nitrophenol	14.634	139	95936	8.246	ng		92
57) 2,4-Dinitrotoluene	14.775	165	146673	8.946	ng		93
58) Fluorene	15.475	166	589720	9.495	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.045	232	141666	9.071	ng		99
60) Diethylphthalate	15.240	149	586933	9.543	ng		100
61) 4-Chlorophenyl-phenyle...	15.463	204	289728	9.478	ng		99
62) 4-Nitroaniline	15.487	138	128152	9.169	ng		99
63) Azobenzene	15.763	77	549569	9.535	ng		97
65) 4,6-Dinitro-2-methylph...	15.545	198	70717	7.361	ng		92
66) n-Nitrosodiphenylamine	15.687	169	484111	9.352	ng		98
67) 4-Bromophenyl-phenylether	16.381	248	171620	9.207	ng		97
68) Hexachlorobenzene	16.492	284	206475	9.414	ng		98
69) Atrazine	16.663	200	142226	10.706	ng		99
70) Pentachlorophenol	16.857	266	116455	8.175	ng		100
71) Phenanthrene	17.257	178	878834	9.391	ng		99
72) Anthracene	17.351	178	839953	9.366	ng		99
73) Carbazole	17.634	167	809266	9.471	ng		99
74) Di-n-butylphthalate	18.228	149	930693	9.335	ng		99
75) Fluoranthene	19.351	202	1012600	9.566	ng		98
77) Benzidine	19.545	184	176282	8.151	ng		99
78) Pyrene	19.722	202	1056004	9.367	ng		99
80) Butylbenzylphthalate	20.675	149	390890	9.049	ng		99
81) Benzo(a)anthracene	21.657	228	1059397	9.520	ng		99
82) 3,3'-Dichlorobenzidine	21.569	252	327195	9.409	ng		99
83) Chrysene	21.727	228	1028579	9.585	ng		98
84) Bis(2-ethylhexyl)phtha...	21.592	149	601388	9.181	ng		99
85) Di-n-octyl phthalate	22.904	149	916941	8.757	ng		99
87) Indeno(1,2,3-cd)pyrene	28.951	276	1221650	9.061	ng	#	93
88) Benzo(b)fluoranthene	24.004	252	1057737	8.789	ng		99
89) Benzo(k)fluoranthene	24.074	252	1076560	9.190	ng		99
90) Benzo(a)pyrene	24.927	252	908542	8.896	ng		99
91) Dibenzo(a,h)anthracene	29.021	278	1026140	9.052	ng		99
92) Benzo(g,h,i)perylene	30.145	276	1049241	9.121	ng		99

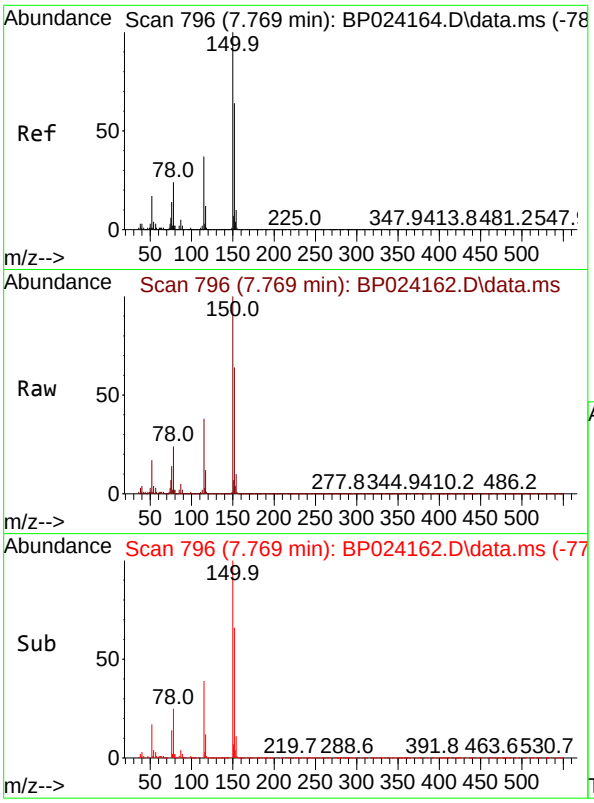
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024162.D
Acq On : 12 Mar 2025 17:38
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Quant Time: Mar 13 04:06:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration



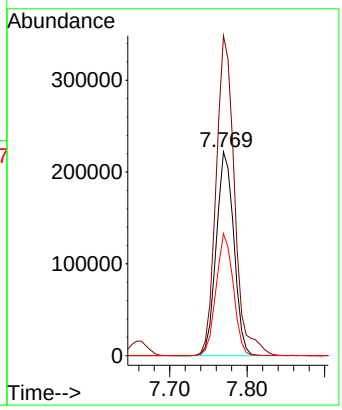


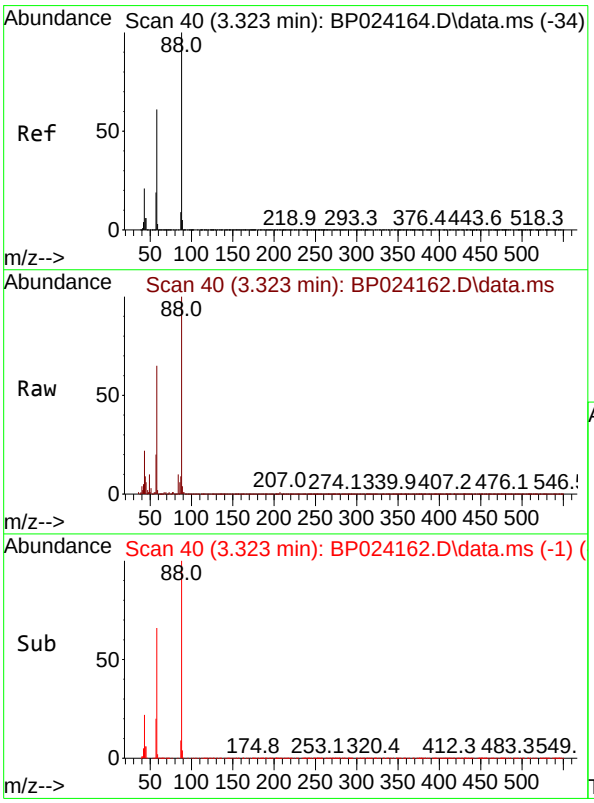
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 350891

Ion	Ratio	Lower	Upper
152	100		
150	156.9	125.5	188.3
115	59.8	46.3	69.5

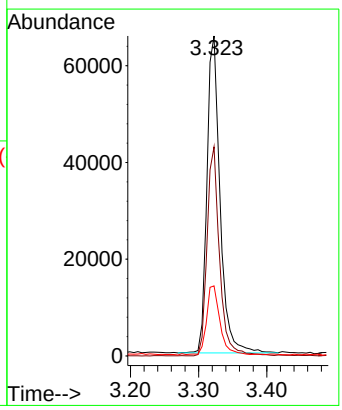


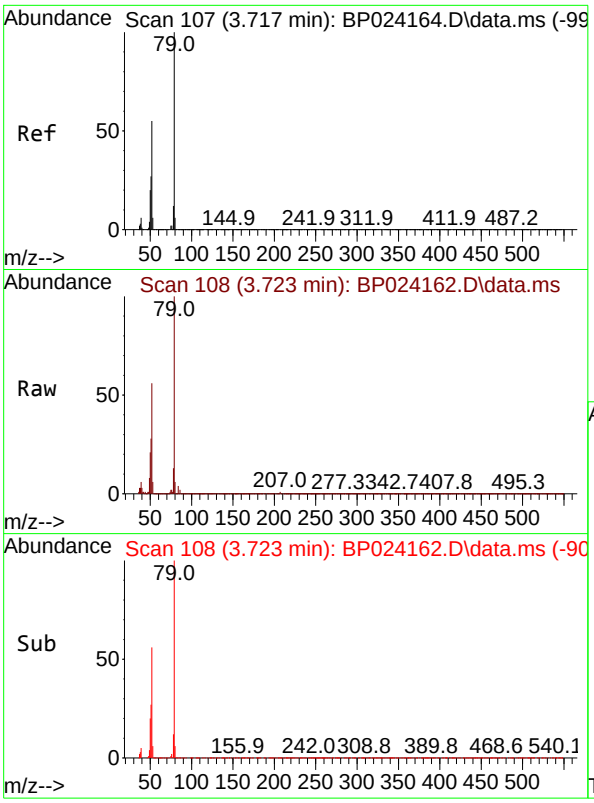


#2
1,4-Dioxane
Concen: 9.934 ng
RT: 3.323 min Scan# 40
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion: 88 Resp: 87630

Ion	Ratio	Lower	Upper
88	100		
58	62.8	49.8	74.6
43	21.8	17.3	25.9



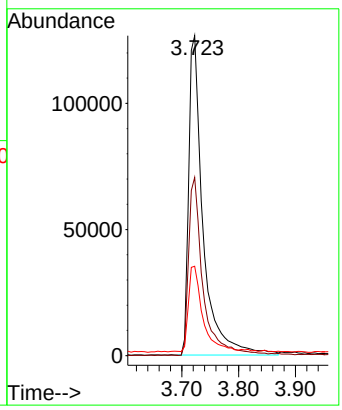


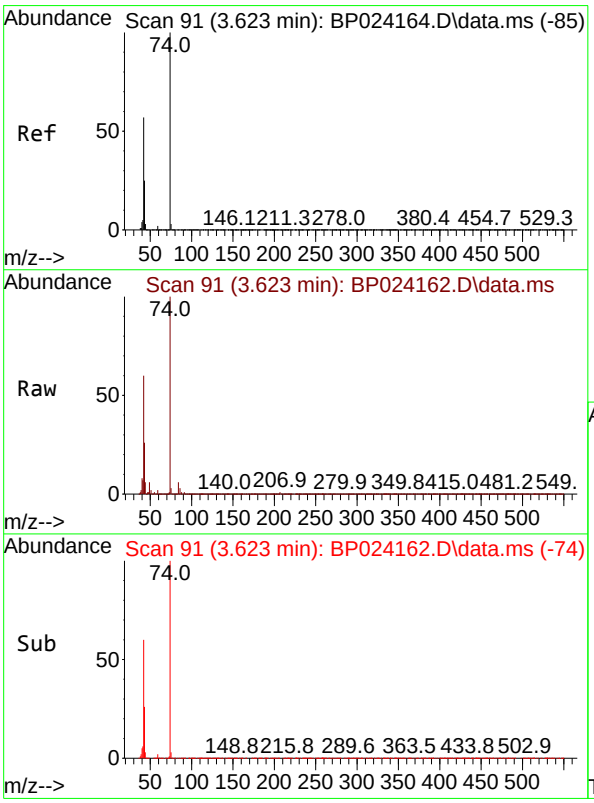
#3
Pyridine
Concen: 9.709 ng
RT: 3.723 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 222685

Ion	Ratio	Lower	Upper
79	100		
52	55.7	43.8	65.8
51	28.0	21.6	32.4

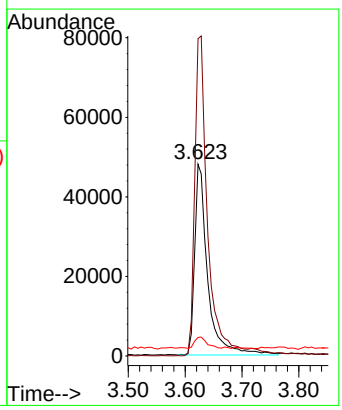


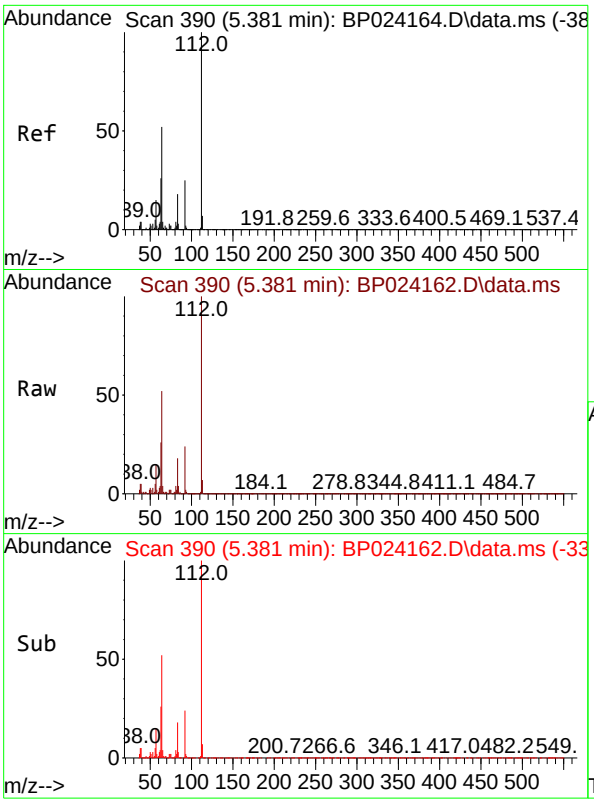


#4
n-Nitrosodimethylamine
Concen: 9.413 ng
RT: 3.623 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion: 42 Resp: 76580

Ion	Ratio	Lower	Upper
42	100		
74	165.6	139.8	209.6
44	9.7	5.3	7.9#



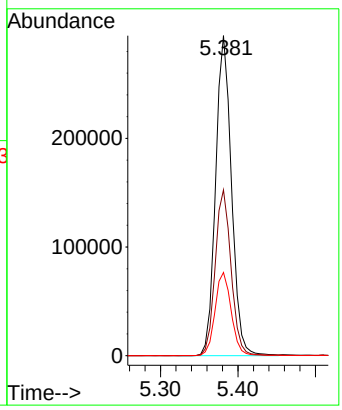


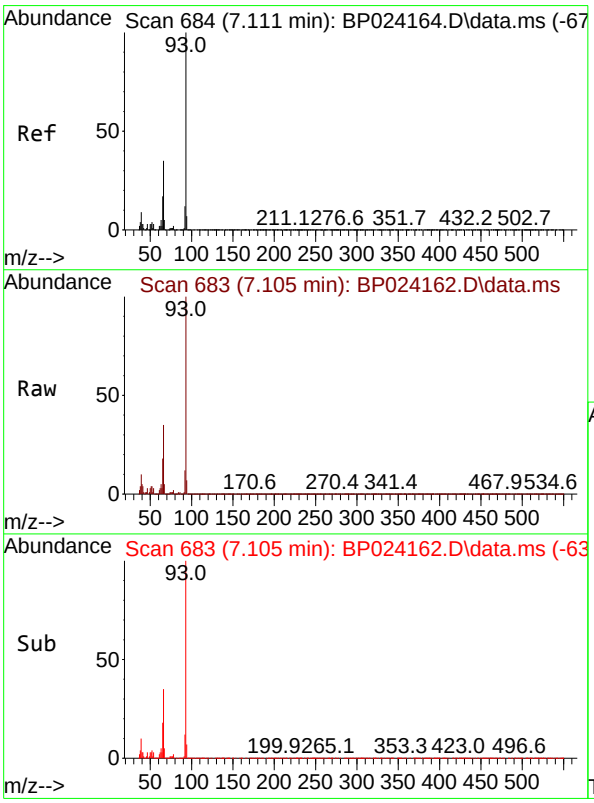
#5
2-Fluorophenol
Concen: 18.636 ng
RT: 5.381 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:112 Resp: 419093

Ion	Ratio	Lower	Upper
112	100		
64	51.8	41.3	61.9
63	26.0	20.6	31.0

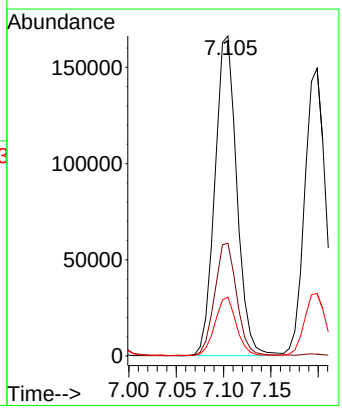


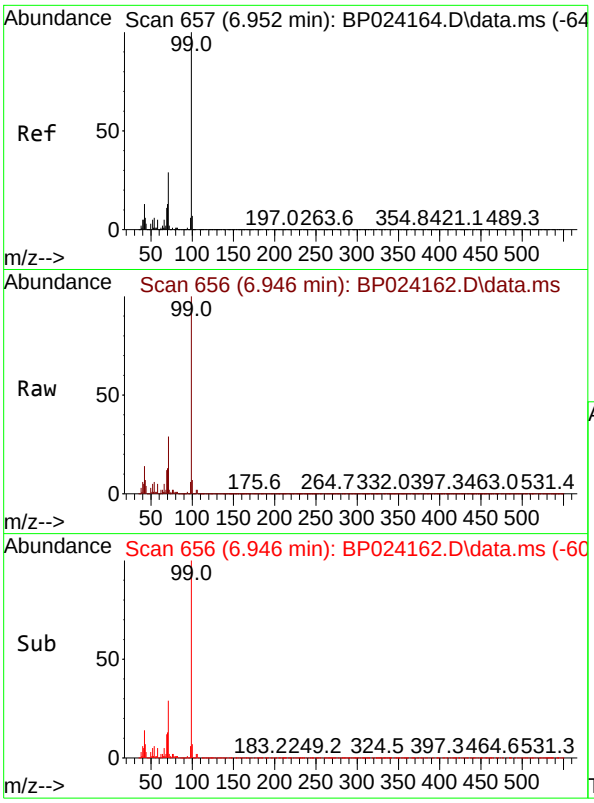


#6
Aniline
Concen: 10.145 ng
RT: 7.105 min Scan# 683
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion: 93 Resp: 268532

Ion	Ratio	Lower	Upper
93	100		
66	35.2	28.2	42.2
65	18.4	14.0	21.0



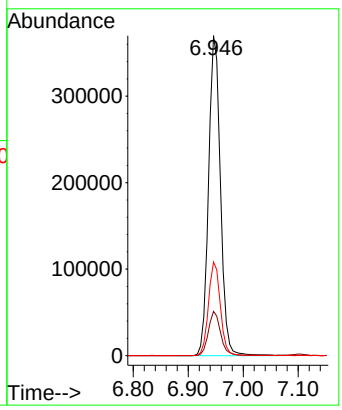


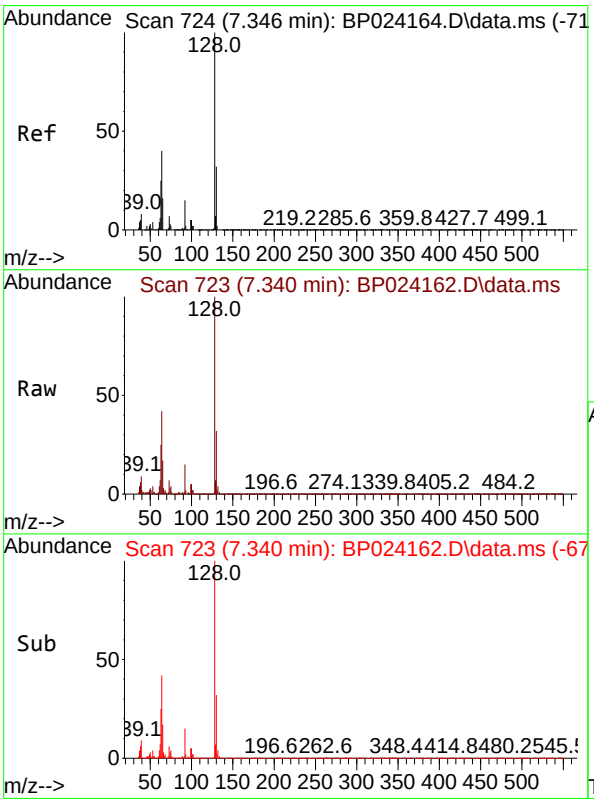
#7
Phenol-d6
Concen: 19.188 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 554588

Ion	Ratio	Lower	Upper
99	100		
42	13.9	10.6	16.0
71	29.3	23.3	34.9

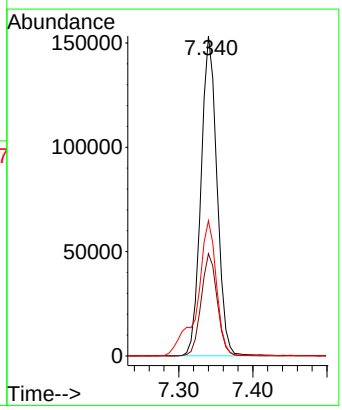


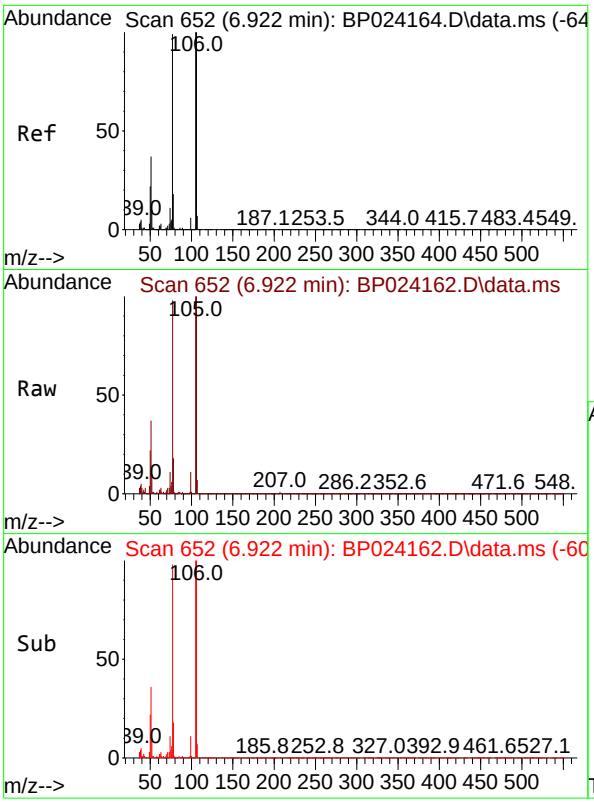


#8
2-Chlorophenol
Concen: 9.655 ng
RT: 7.340 min Scan# 723
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:128 Resp: 229815

Ion	Ratio	Lower	Upper
128	100		
130	31.9	12.0	52.0
64	42.2	21.6	61.6



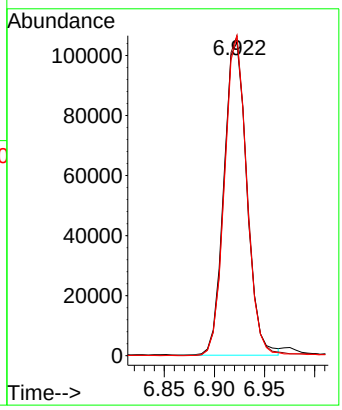


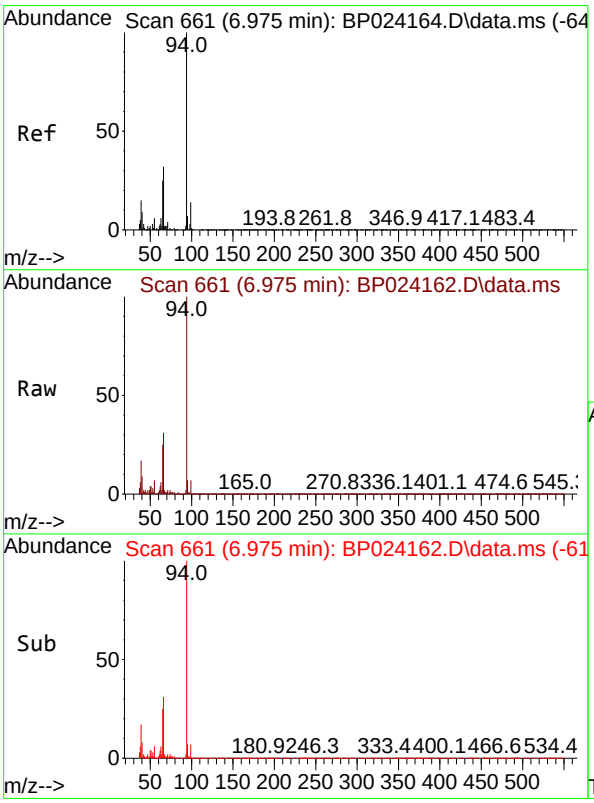
#9
Benzaldehyde
Concen: 12.620 ng
RT: 6.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 166528

Ion	Ratio	Lower	Upper
77	100		
105	102.0	81.4	121.4
106	101.9	81.1	121.1

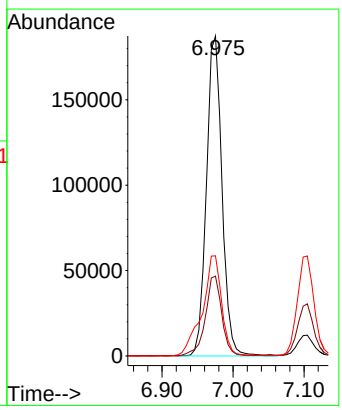


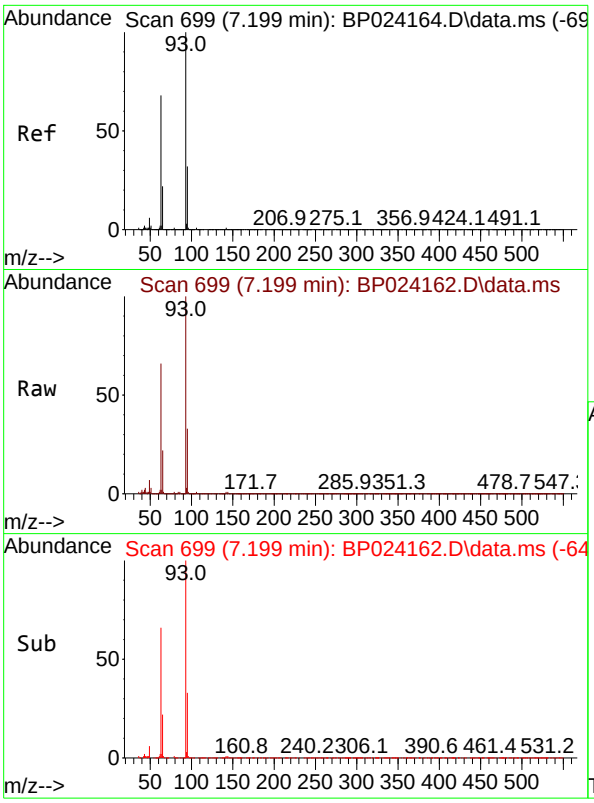


#10
Phenol
Concen: 9.849 ng
RT: 6.975 min Scan# 661
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion: 94 Resp: 286246

Ion	Ratio	Lower	Upper
94	100		
65	25.0	4.9	44.9
66	31.3	11.9	51.9



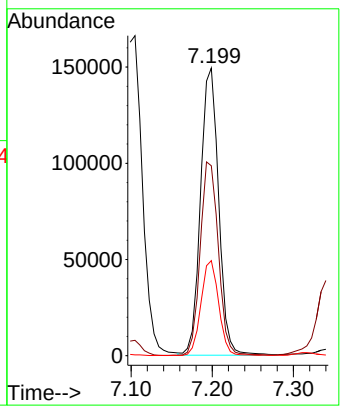


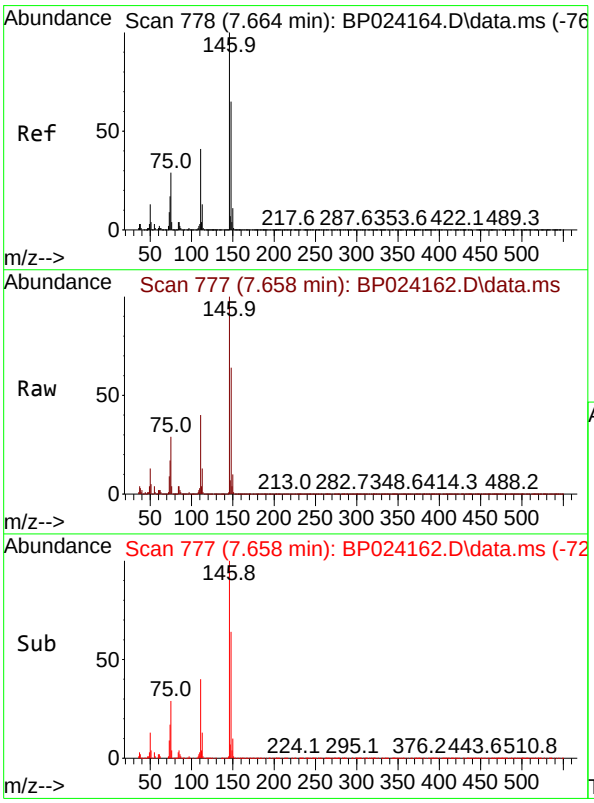
#11
bis(2-Chloroethyl)ether
Concen: 10.095 ng
RT: 7.199 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 231087

Ion	Ratio	Lower	Upper
93	100		
63	66.0	47.4	87.4
95	33.0	12.1	52.1

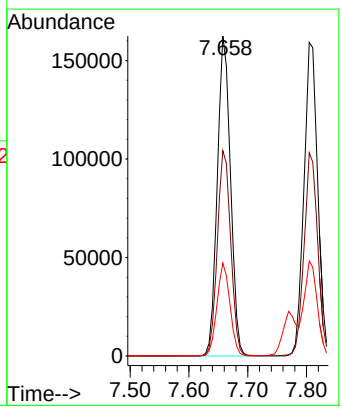


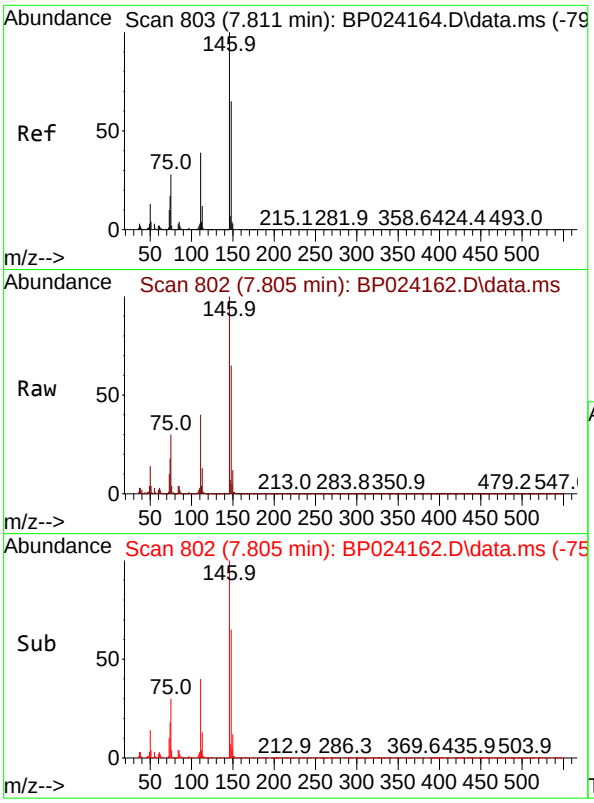


#12
1,3-Dichlorobenzene
Concen: 9.715 ng
RT: 7.658 min Scan# 777
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:146 Resp: 254039

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.6	77.4
75	29.0	22.8	34.2



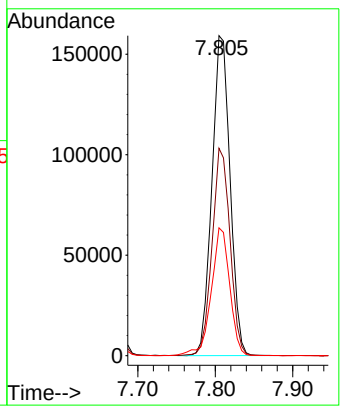


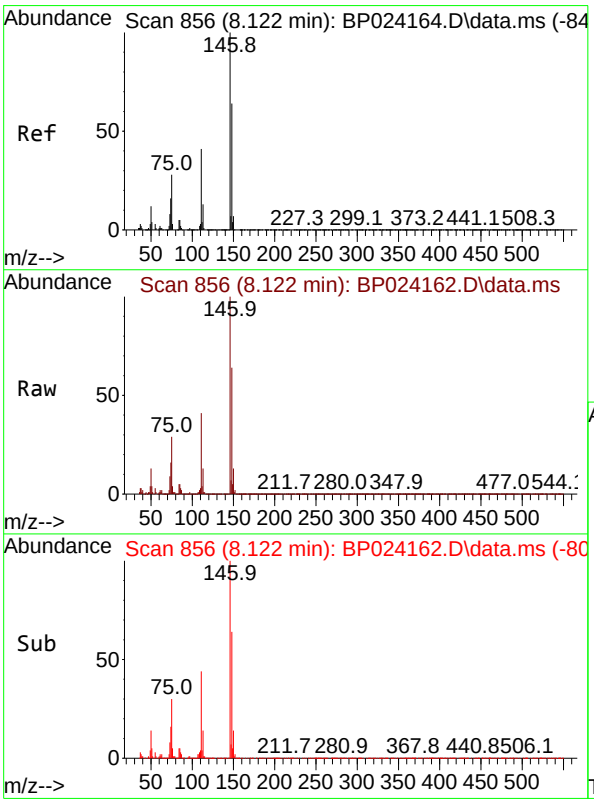
#13
1,4-Dichlorobenzene
Concen: 9.777 ng
RT: 7.805 min Scan# 8(
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:146 Resp: 258553

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.9	77.9
111	39.9	31.4	47.2

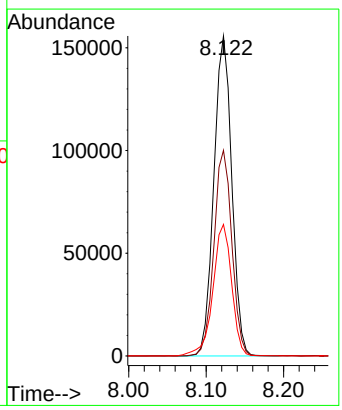


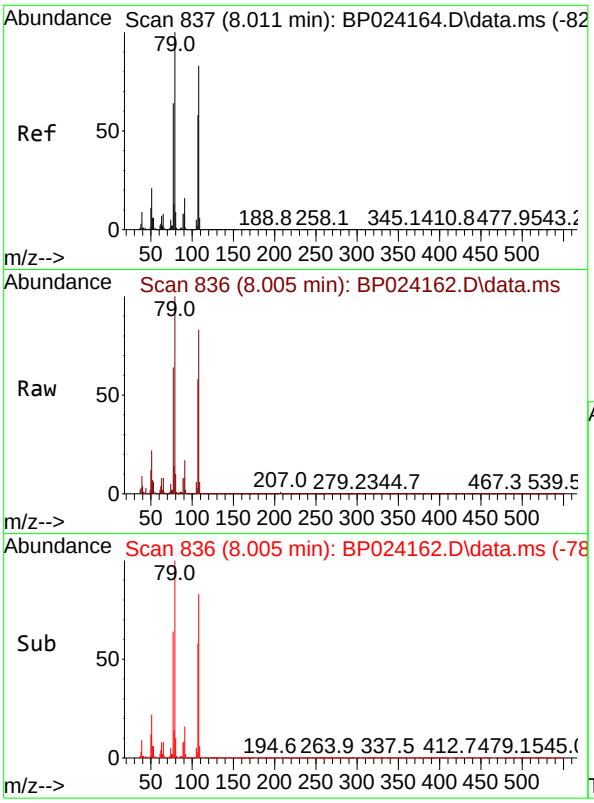


#14
1,2-Dichlorobenzene
Concen: 9.856 ng
RT: 8.122 min Scan# 856
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:146 Resp: 250124

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.4	77.2
111	41.1	33.2	49.8



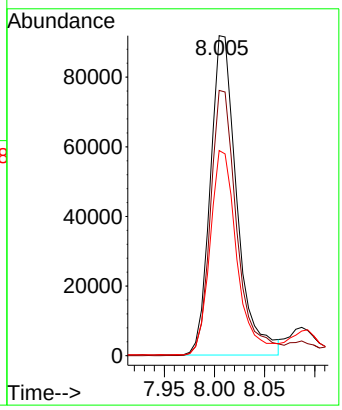


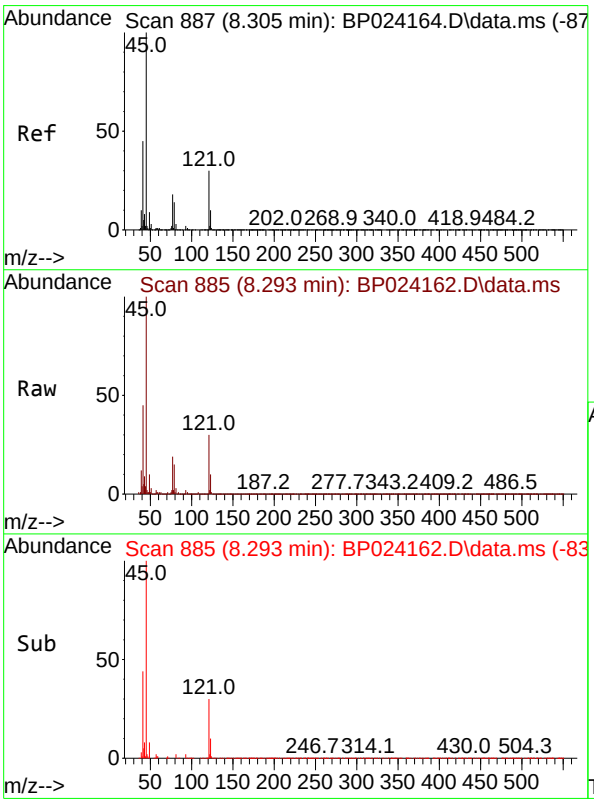
#15
Benzyl Alcohol
Concen: 9.584 ng
RT: 8.005 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 169563

Ion	Ratio	Lower	Upper
79	100		
108	82.9	66.5	99.7
77	64.1	50.9	76.3

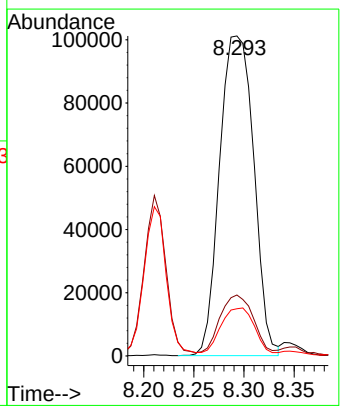


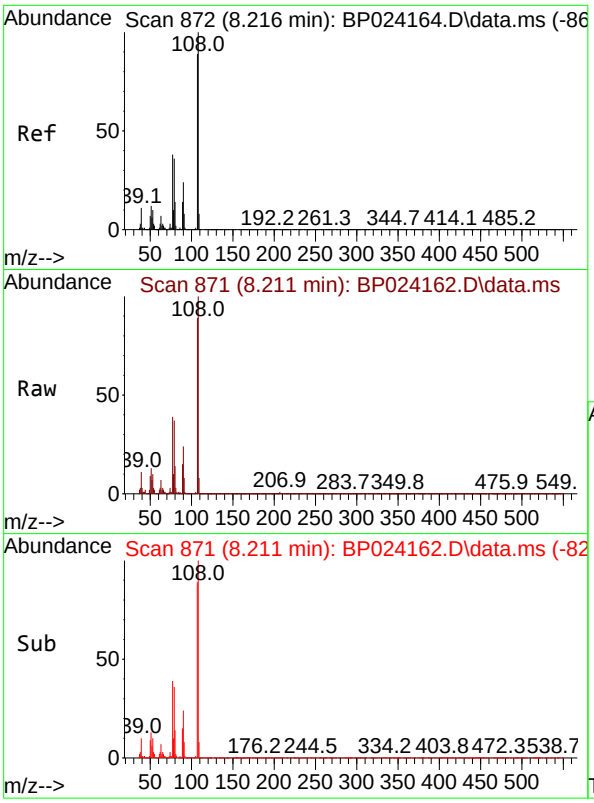


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.794 ng
RT: 8.293 min Scan# 885
Delta R.T. -0.012 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion: 45 Resp: 239855

Ion	Ratio	Lower	Upper
45	100		
77	19.1	0.0	39.0
79	14.8	0.0	35.6



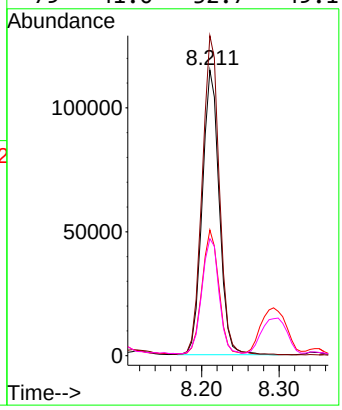


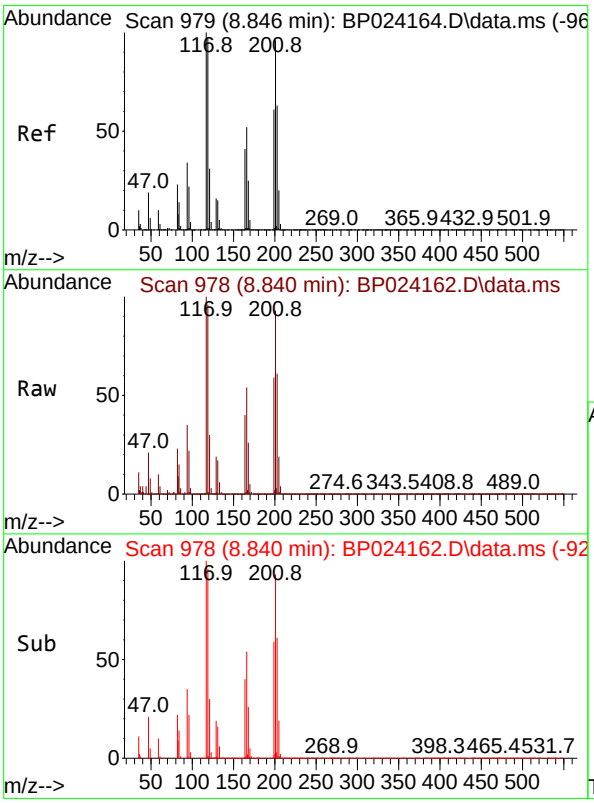
#17
2-Methylphenol
Concen: 9.876 ng
RT: 8.211 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:107 Resp: 174913

Ion	Ratio	Lower	Upper
107	100		
108	112.0	90.0	135.0
77	44.0	34.0	51.0
79	41.0	32.7	49.1

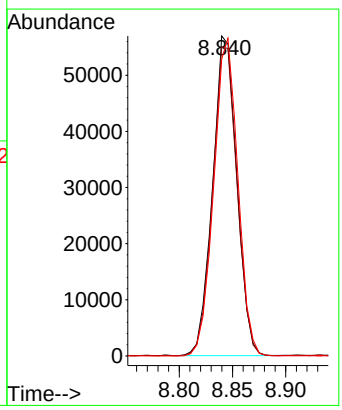


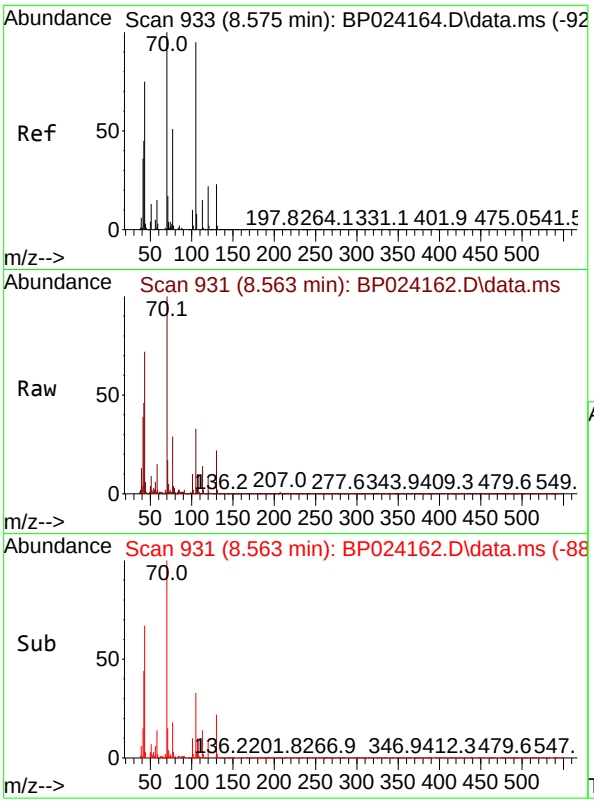


#18
Hexachloroethane
Concen: 9.439 ng
RT: 8.840 min Scan# 978
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:117 Resp: 89894

Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.4	116.0
201	92.8	76.6	114.8



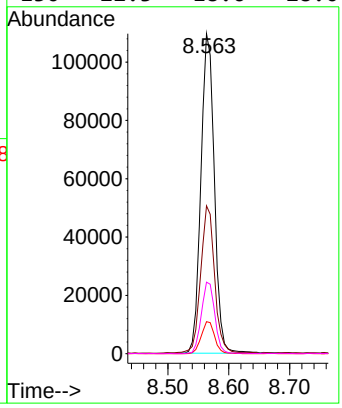


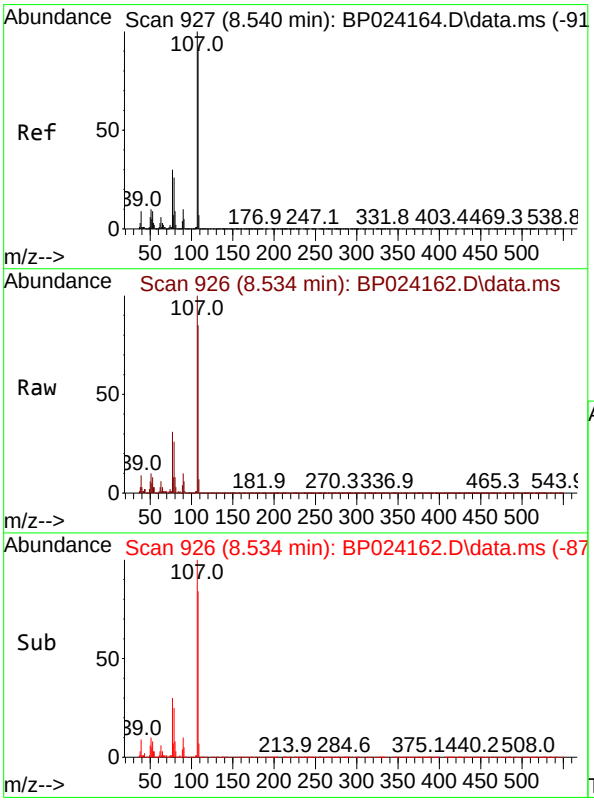
#19
n-Nitroso-di-n-propylamine
Concen: 10.797 ng
RT: 8.563 min Scan# 9
Delta R.T. -0.012 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 70 Resp: 167789

Ion	Ratio	Lower	Upper
70	100		
42	46.2	36.0	54.0
101	10.0	8.3	12.5
130	22.3	18.6	28.0

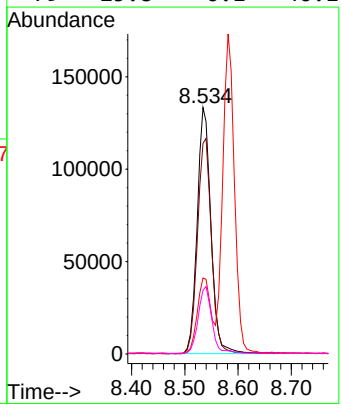


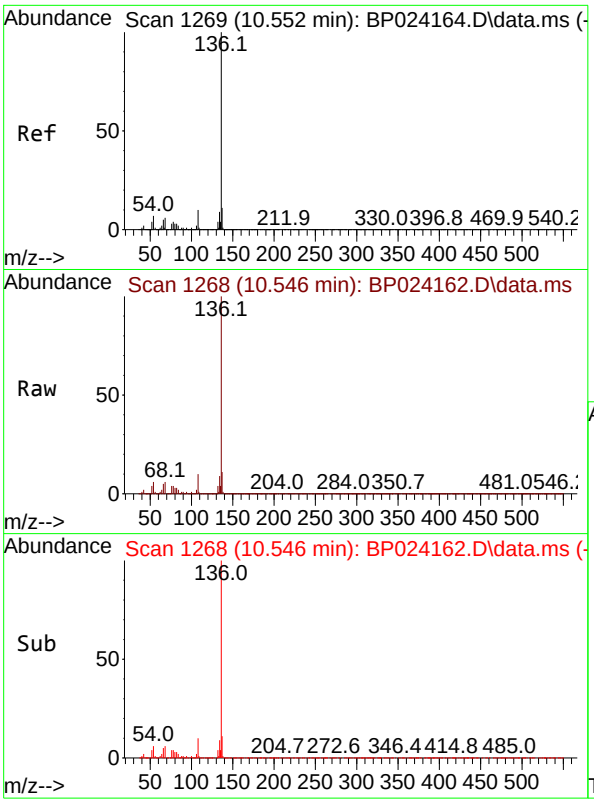


#20
3+4-Methylphenols
Concen: 9.906 ng
RT: 8.534 min Scan# 926
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:107 Resp: 238685

Ion	Ratio	Lower	Upper
107	100		
108	85.5	69.7	109.7
77	30.8	10.3	50.3
79	25.8	6.1	46.1



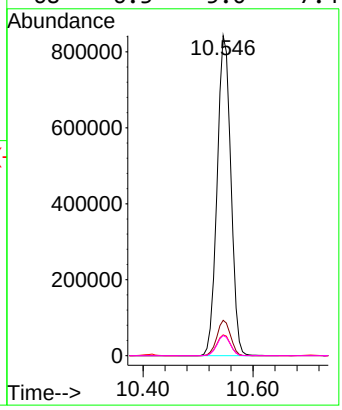


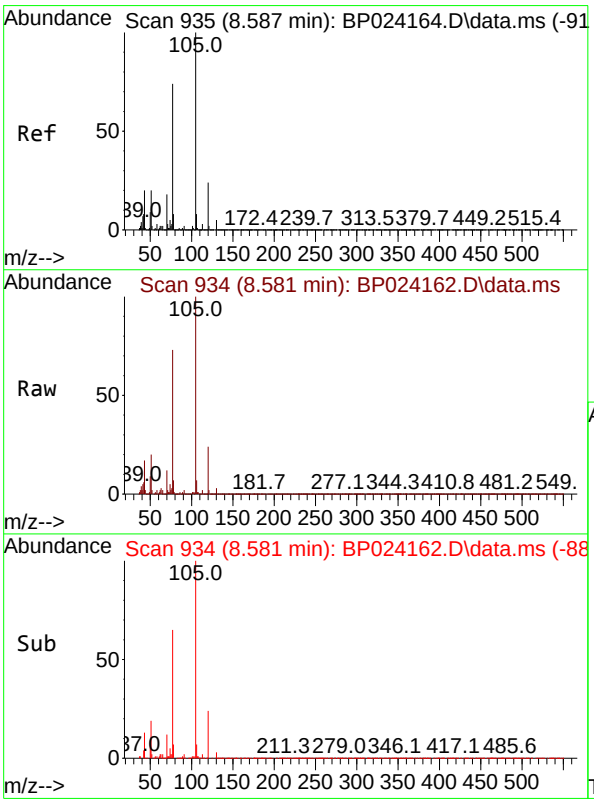
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.546 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:136 Resp: 1459823

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	6.5	5.3	7.9
68	6.3	5.0	7.4

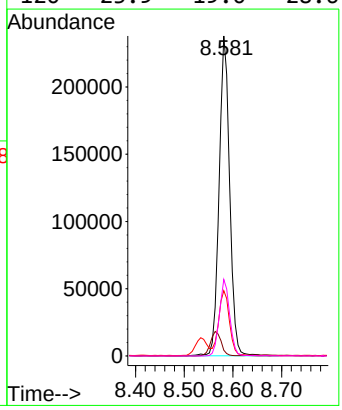


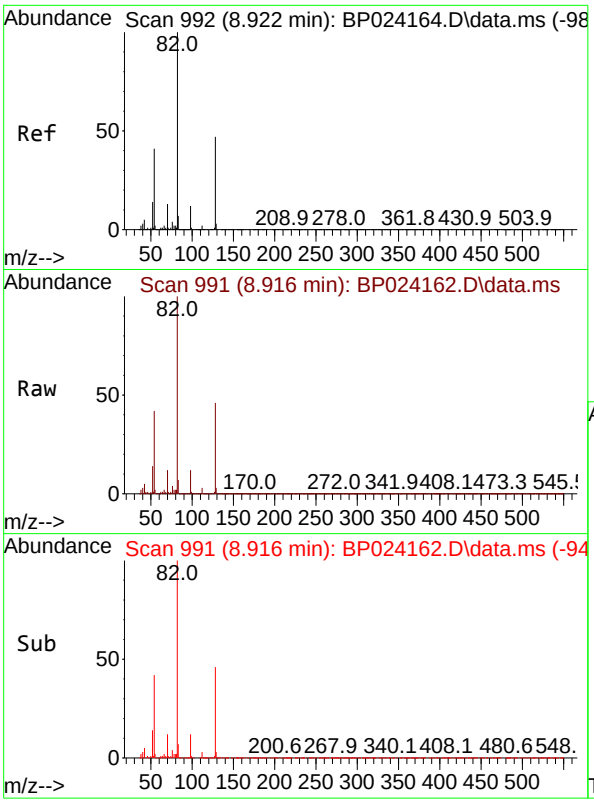


#22
Acetophenone
Concen: 9.536 ng
RT: 8.581 min Scan# 934
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:105 Resp: 357738

Ion	Ratio	Lower	Upper
105	100		
71	1.8	2.4	3.6#
51	20.4	16.2	24.2
120	23.9	19.0	28.6



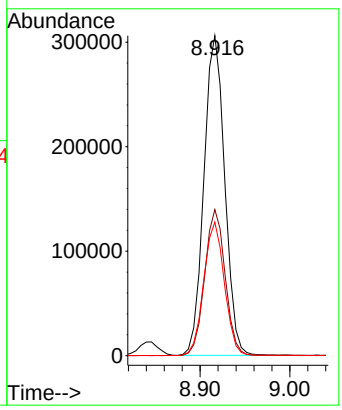


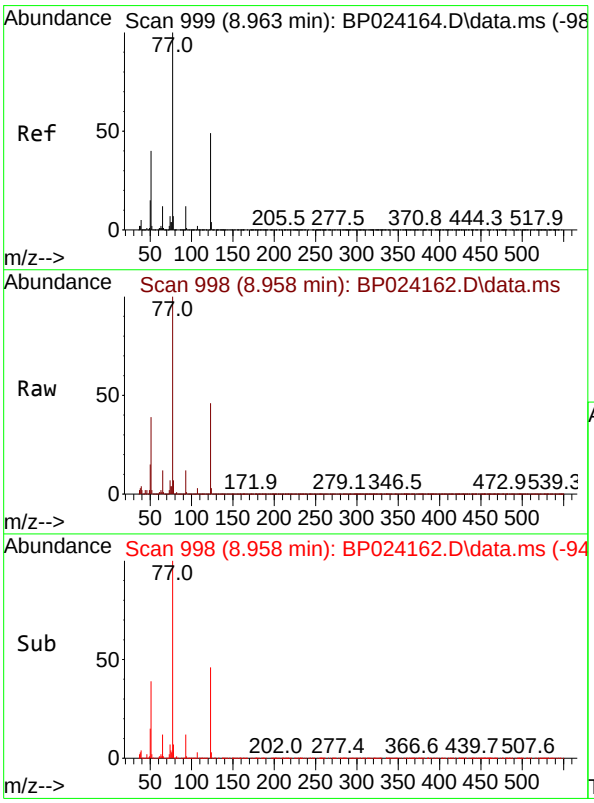
#23
Nitrobenzene-d5
Concen: 18.856 ng
RT: 8.916 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 493399

Ion	Ratio	Lower	Upper
82	100		
128	45.7	37.4	56.0
54	41.7	32.5	48.7

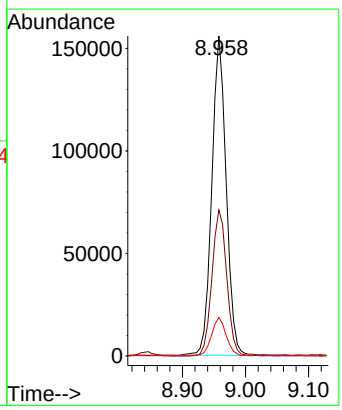


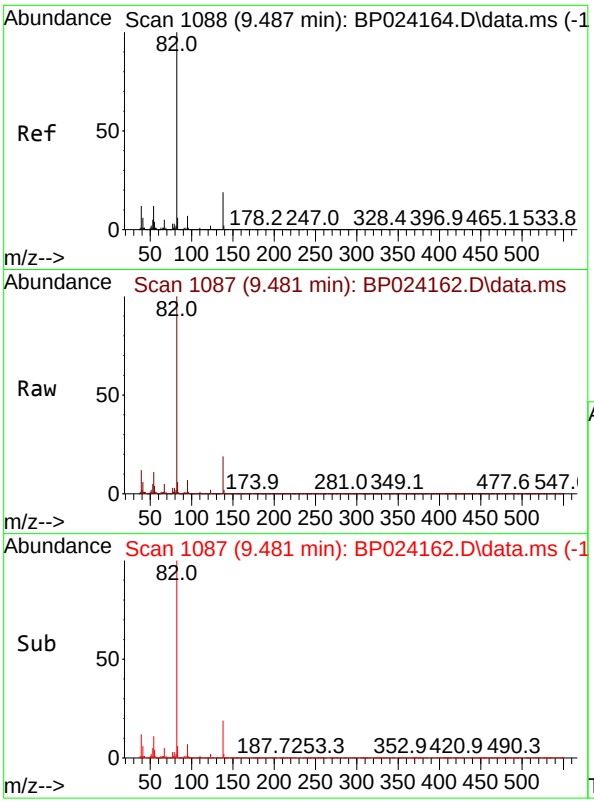


#24
Nitrobenzene
Concen: 9.536 ng
RT: 8.958 min Scan# 998
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion: 77 Resp: 245585

Ion	Ratio	Lower	Upper
77	100		
123	45.7	39.4	59.2
65	12.0	9.9	14.9



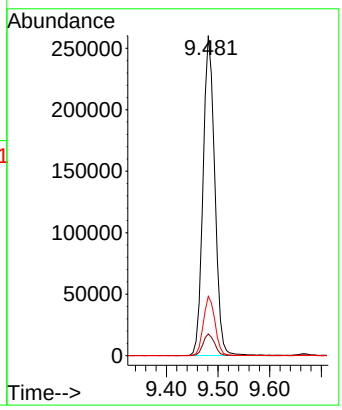


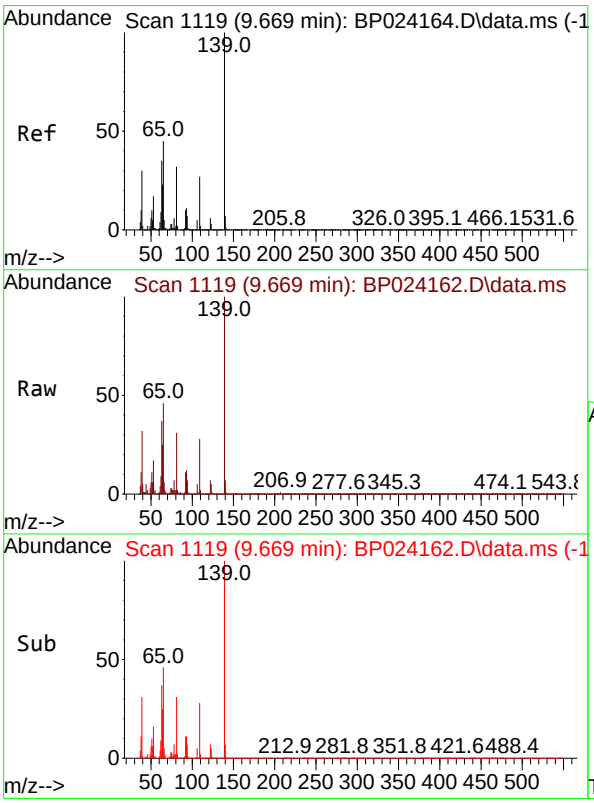
#25
Isophorone
Concen: 9.590 ng
RT: 9.481 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 410357

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.3	7.9
138	18.6	14.8	22.2

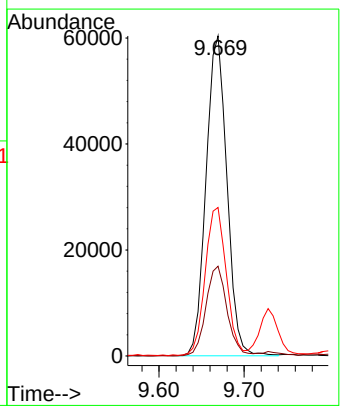


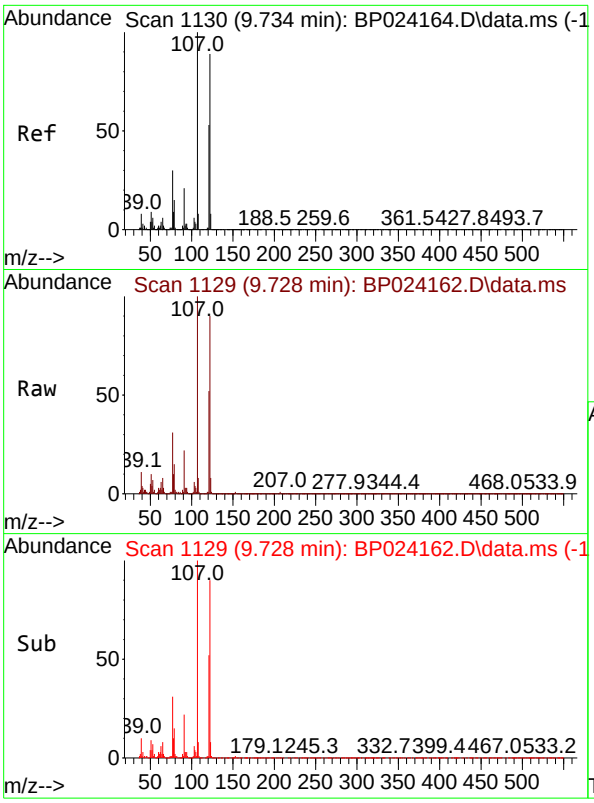


#26
2-Nitrophenol
Concen: 8.692 ng
RT: 9.669 min Scan# 1119
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:139 Resp: 103123

Ion	Ratio	Lower	Upper
139	100		
109	28.1	21.7	32.5
65	46.4	35.8	53.8



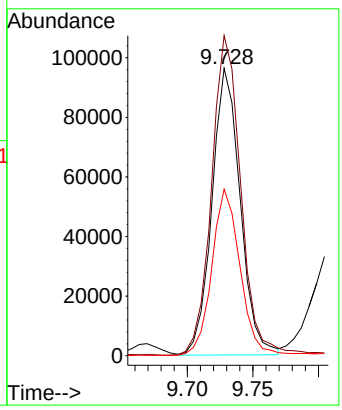


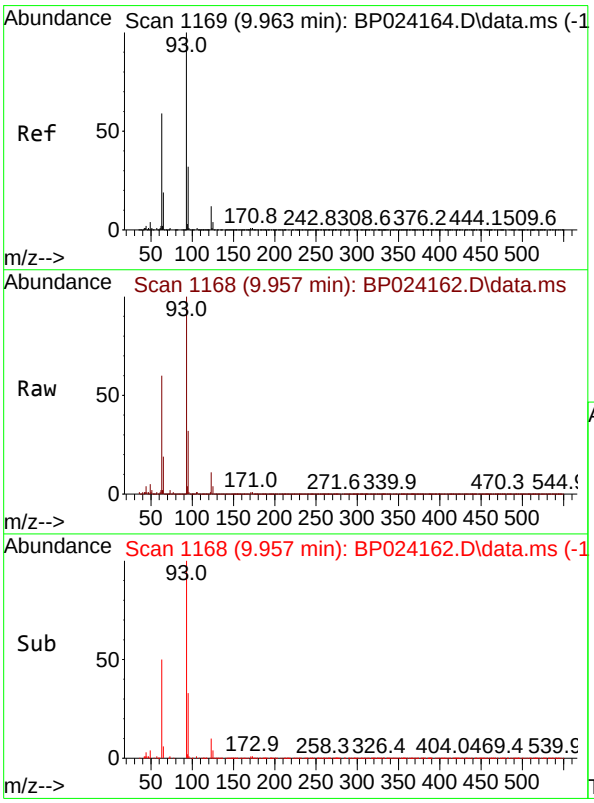
#27
2,4-Dimethylphenol
Concen: 9.265 ng
RT: 9.728 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:122 Resp: 144292

Ion	Ratio	Lower	Upper
122	100		
107	111.4	89.3	133.9
121	57.9	47.5	71.3

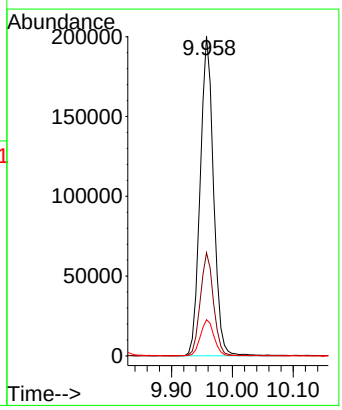


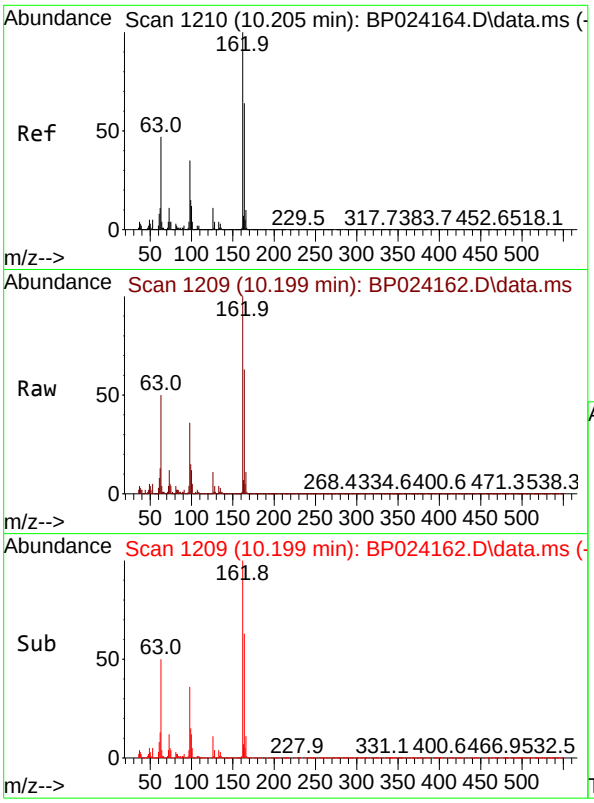


#28
bis(2-Chloroethoxy)methane
Concen: 9.838 ng
RT: 9.957 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion: 93 Resp: 304956

Ion	Ratio	Lower	Upper
93	100		
95	32.2	25.9	38.9
123	11.3	9.5	14.3



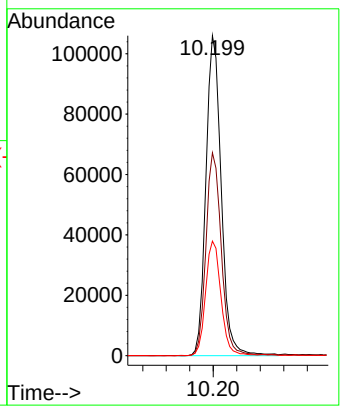


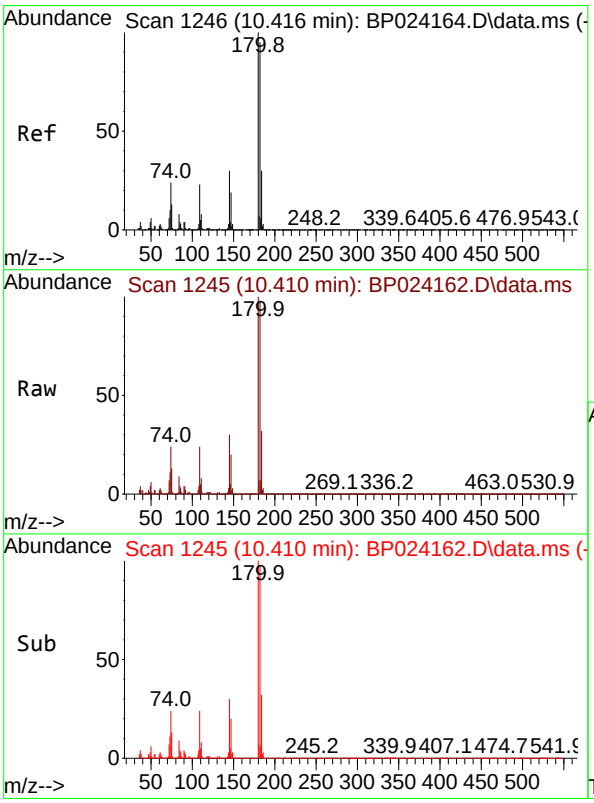
#29
2,4-Dichlorophenol
Concen: 9.046 ng
RT: 10.199 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 192263

Ion	Ratio	Lower	Upper
162	100		
164	63.4	44.2	84.2
98	35.8	15.1	55.1

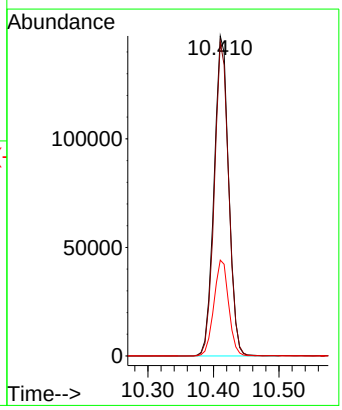


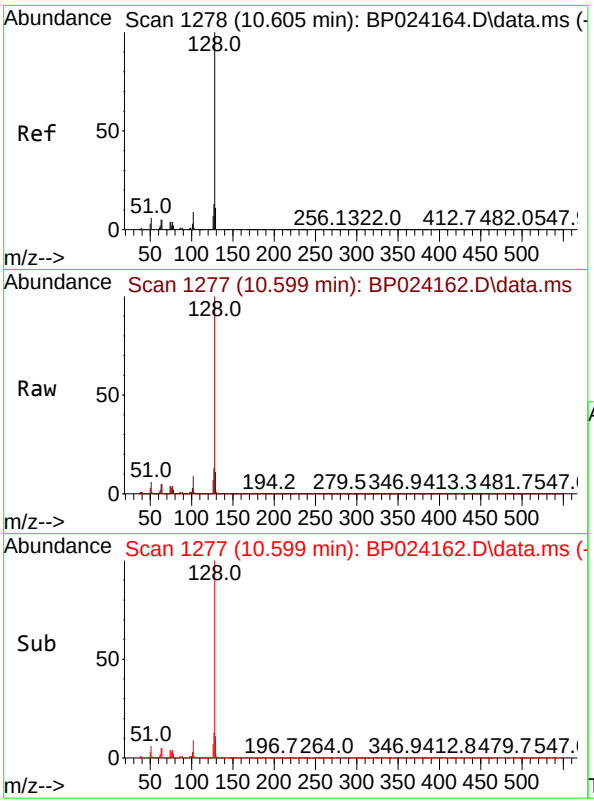


#30
1,2,4-Trichlorobenzene
Concen: 9.355 ng
RT: 10.410 min Scan# 1245
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:180 Resp: 227800

Ion	Ratio	Lower	Upper
180	100		
182	98.1	76.1	114.1
145	30.0	24.2	36.2



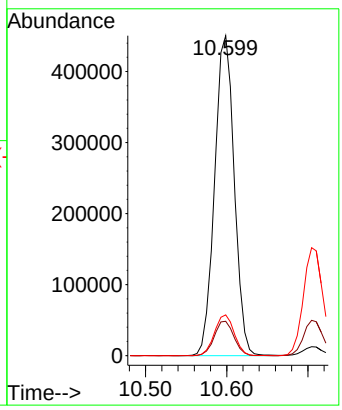


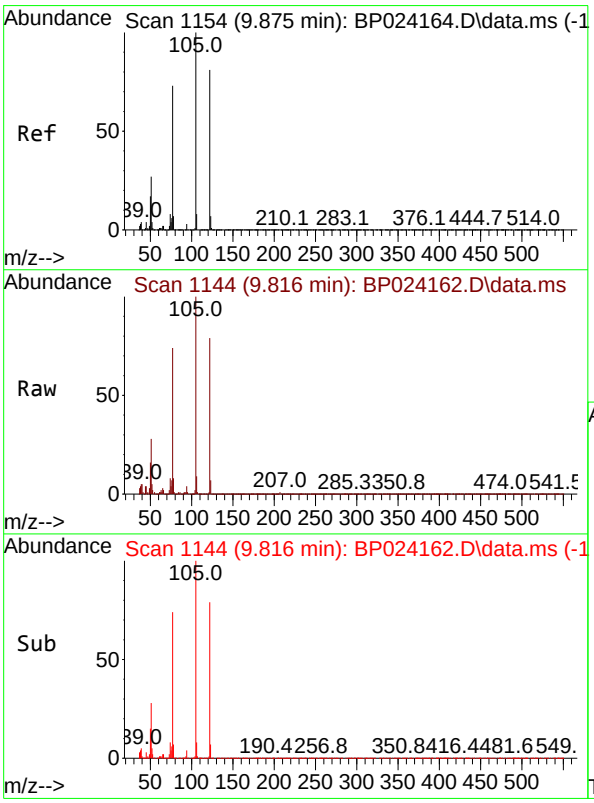
#31
Naphthalene
Concen: 9.642 ng
RT: 10.599 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 756826

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.7	13.1
127	12.8	10.4	15.6

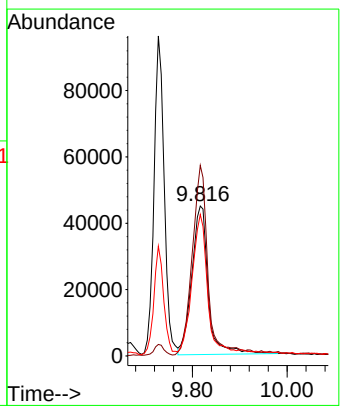


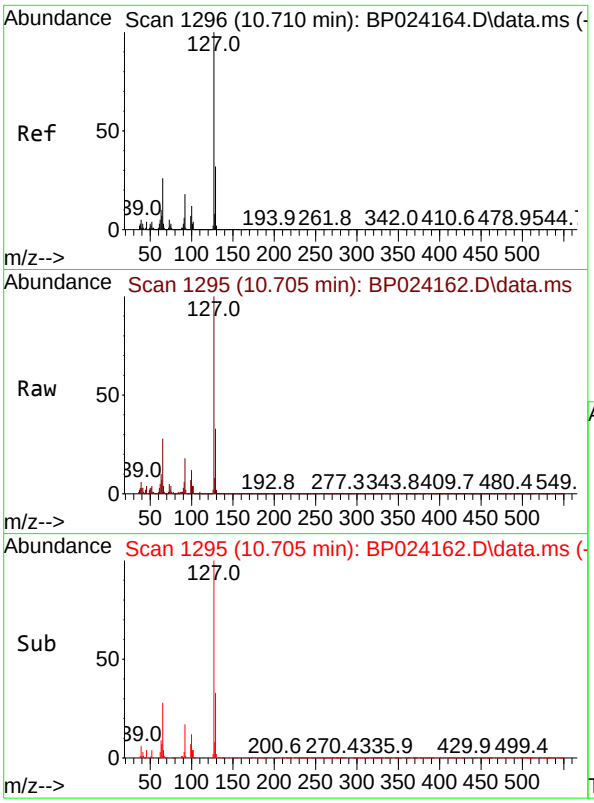


#32
Benzoic acid
Concen: 7.587 ng
RT: 9.816 min Scan# 1144
Delta R.T. -0.059 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:122 Resp: 108330

Ion	Ratio	Lower	Upper
122	100		
105	127.1	100.3	140.3
77	94.3	69.1	109.1



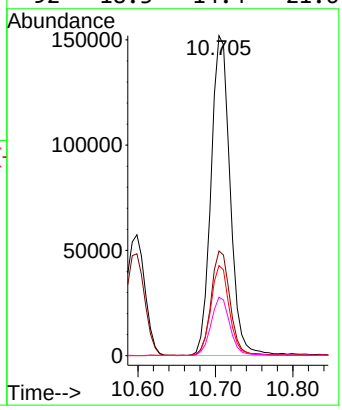


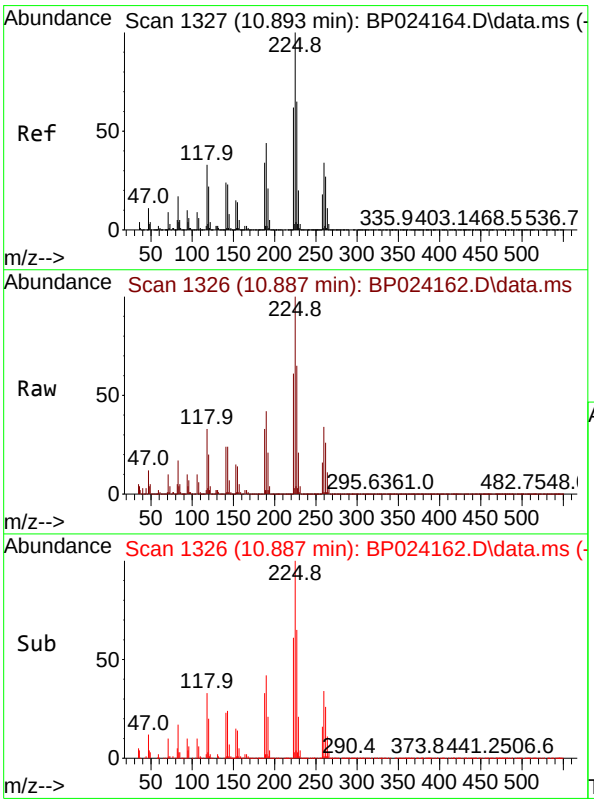
#33
4-Chloroaniline
Concen: 9.404 ng
RT: 10.705 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:127 Resp: 260033

Ion	Ratio	Lower	Upper
127	100		
129	32.7	25.8	38.6
65	28.2	21.2	31.8
92	18.3	14.4	21.6

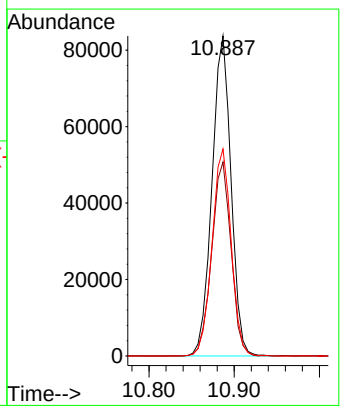


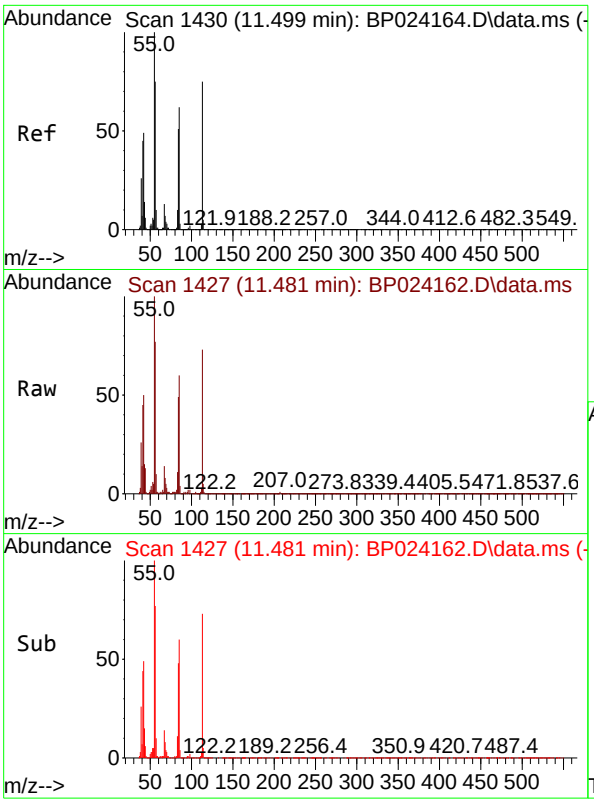


#34
Hexachlorobutadiene
Concen: 9.224 ng
RT: 10.887 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:225 Resp: 130104

Ion	Ratio	Lower	Upper
225	100		
223	60.6	49.9	74.9
227	64.6	52.2	78.2



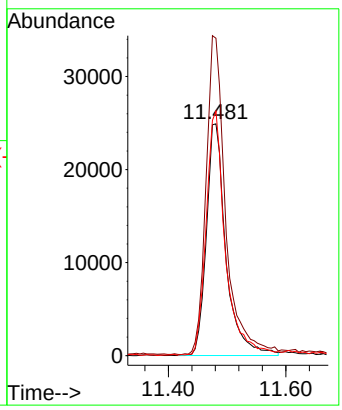


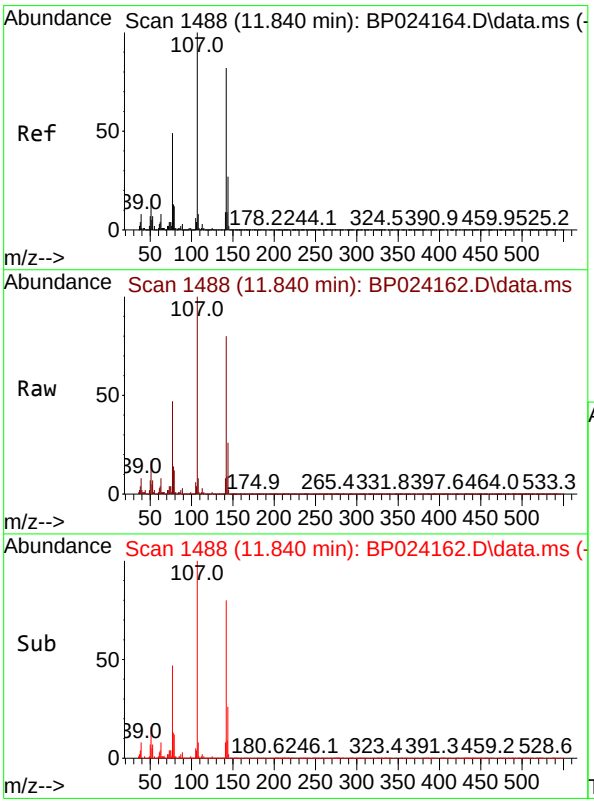
#35
Caprolactam
Concen: 8.931 ng
RT: 11.481 min Scan# 14
Delta R.T. -0.018 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:113 Resp: 57479

Ion	Ratio	Lower	Upper
113	100		
55	137.0	113.6	153.6
56	105.5	80.0	120.0

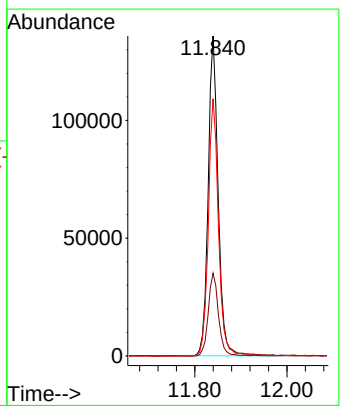


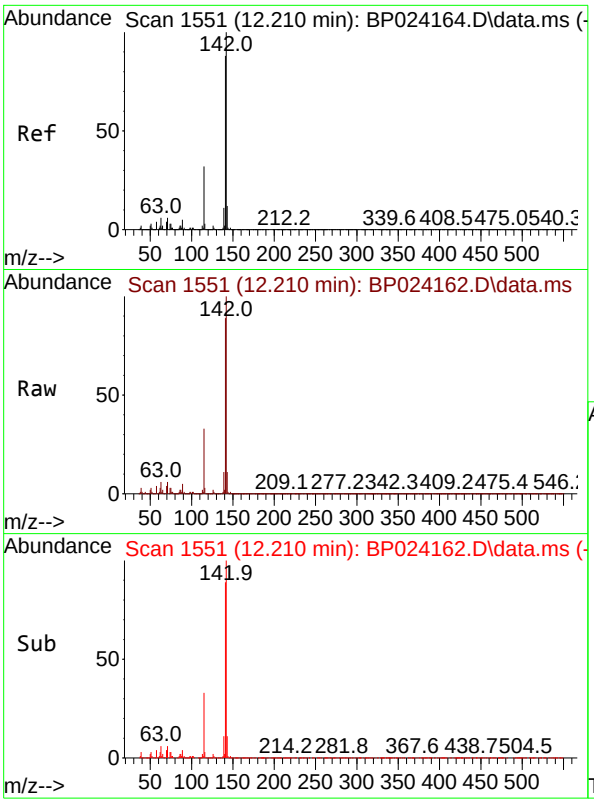


#36
4-Chloro-3-methylphenol
Concen: 9.462 ng
RT: 11.840 min Scan# 1488
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:107 Resp: 206744

Ion	Ratio	Lower	Upper
107	100		
144	25.9	21.6	32.4
142	80.4	65.4	98.0



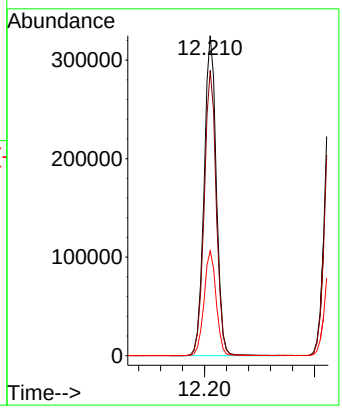


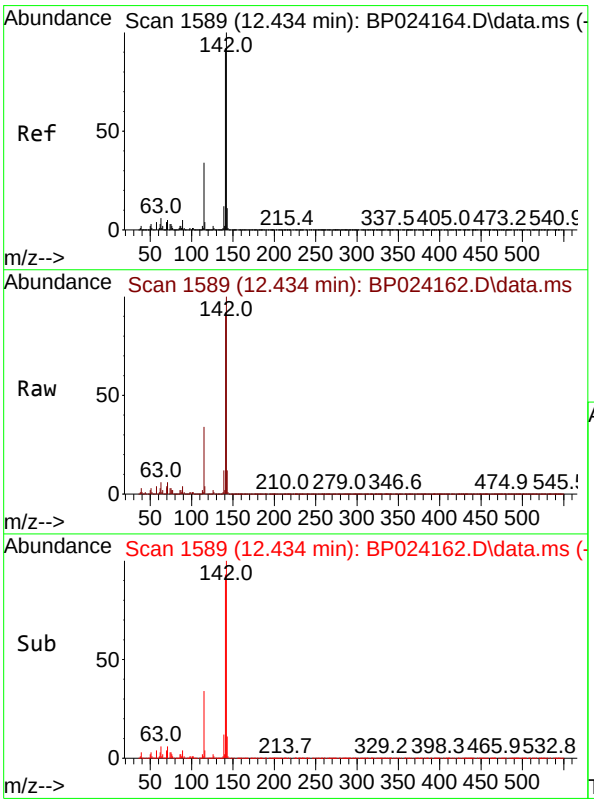
#37
2-Methylnaphthalene
Concen: 9.564 ng
RT: 12.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 498967

Ion	Ratio	Lower	Upper
142	100		
141	89.2	70.3	105.5
115	32.8	26.0	39.0

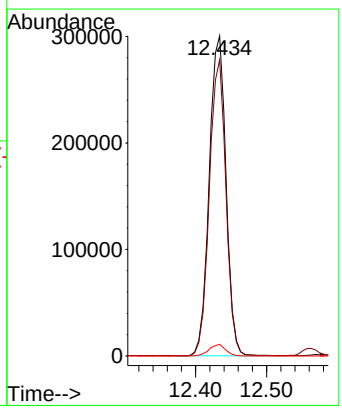


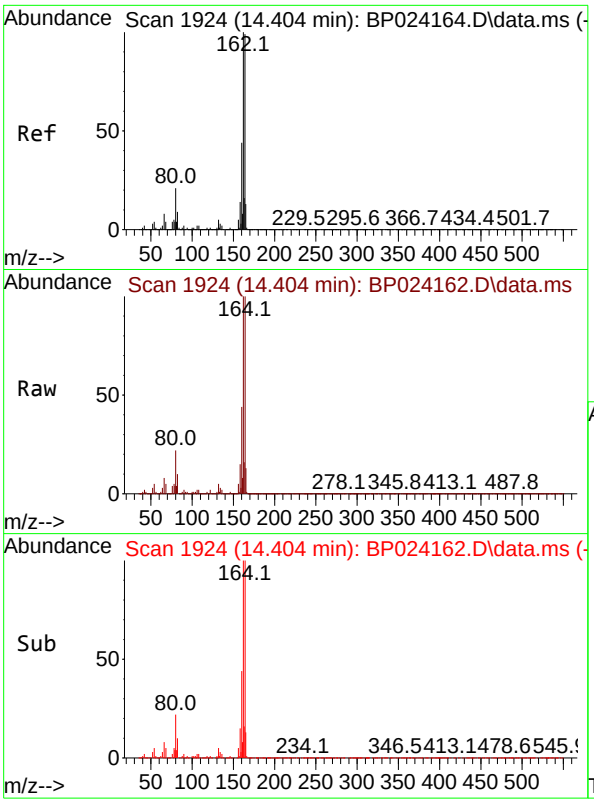


#38
1-Methylnaphthalene
Concen: 9.680 ng
RT: 12.434 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:142 Resp: 491304

Ion	Ratio	Lower	Upper
142	100		
141	92.5	73.9	110.9
116	3.7	2.8	4.2



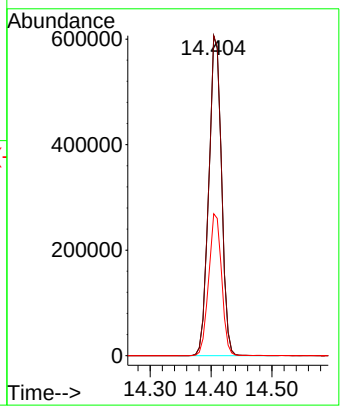


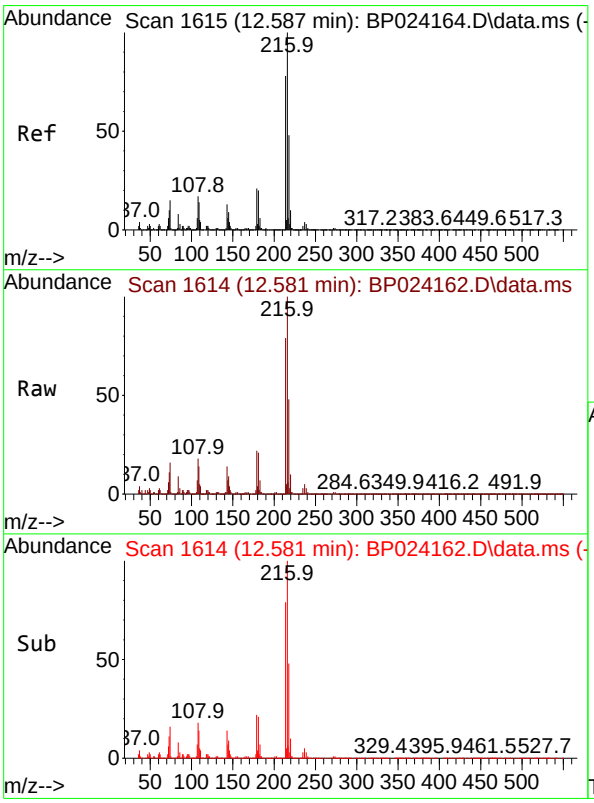
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.404 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:164 Resp: 878356

Ion	Ratio	Lower	Upper
164	100		
162	100.1	80.6	121.0
160	44.4	35.4	53.2

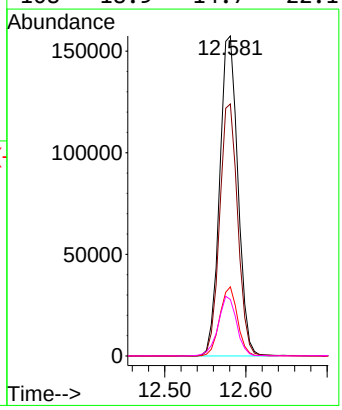


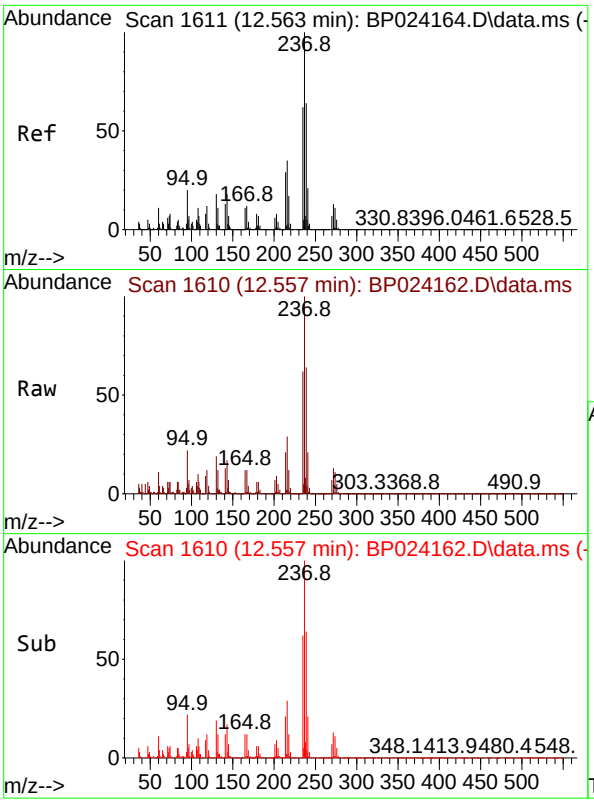


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.116 ng
RT: 12.581 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:216 Resp: 246009

Ion	Ratio	Lower	Upper
216	100		
214	78.2	62.8	94.2
179	21.0	16.8	25.2
108	18.9	14.7	22.1



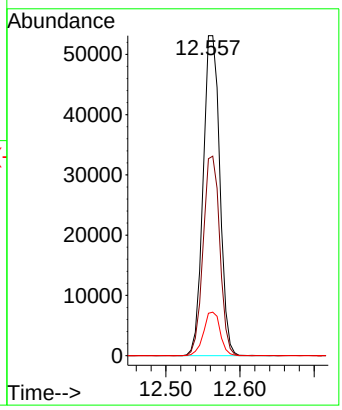


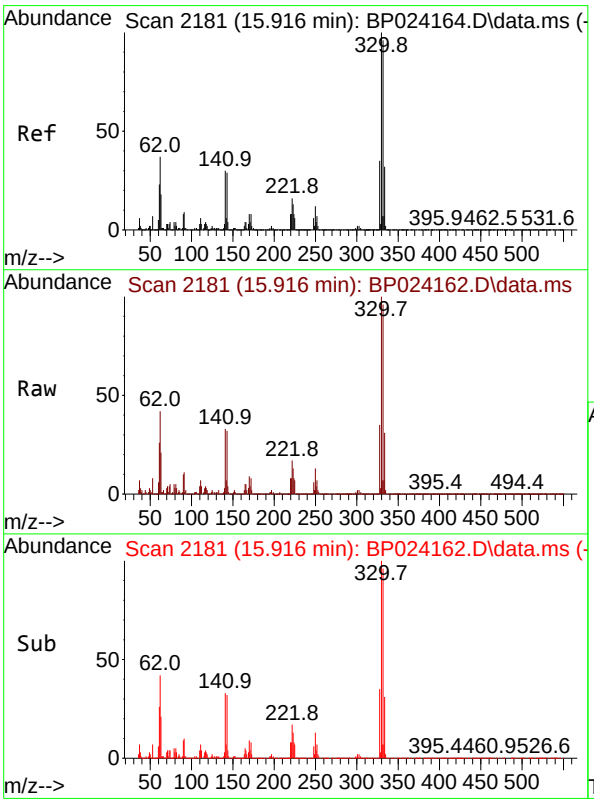
#41
Hexachlorocyclopentadiene
Concen: 8.245 ng
RT: 12.557 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 82803

Ion	Ratio	Lower	Upper
237	100		
235	61.6	41.8	81.8
272	13.3	0.0	33.5

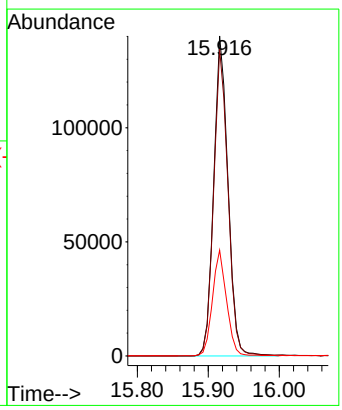


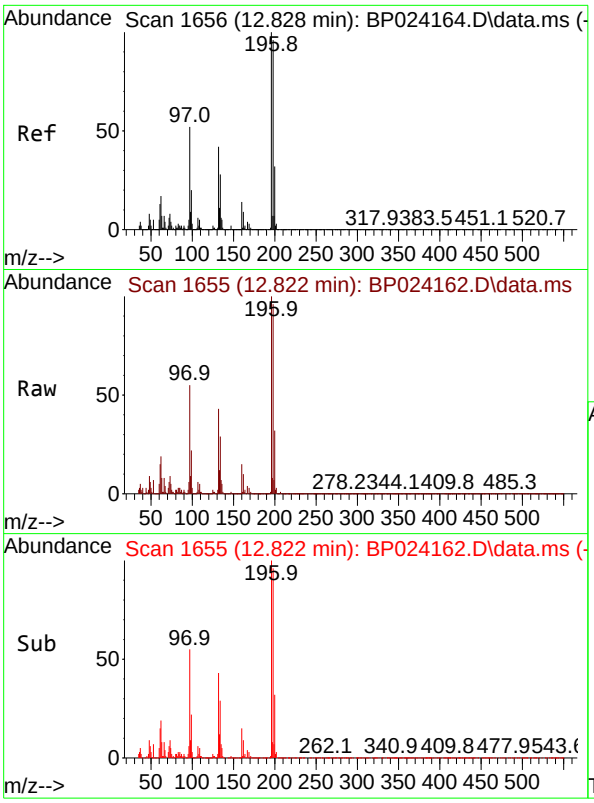


#42
2,4,6-Tribromophenol
Concen: 18.161 ng
RT: 15.916 min Scan# 2181
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:330 Resp: 195393

Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.6	116.4
141	32.6	25.0	37.6



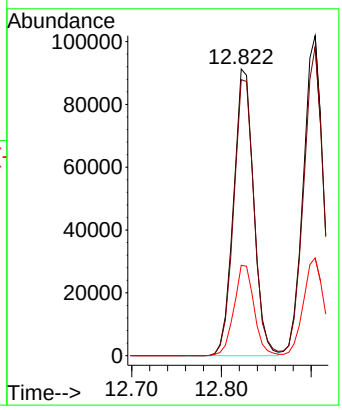


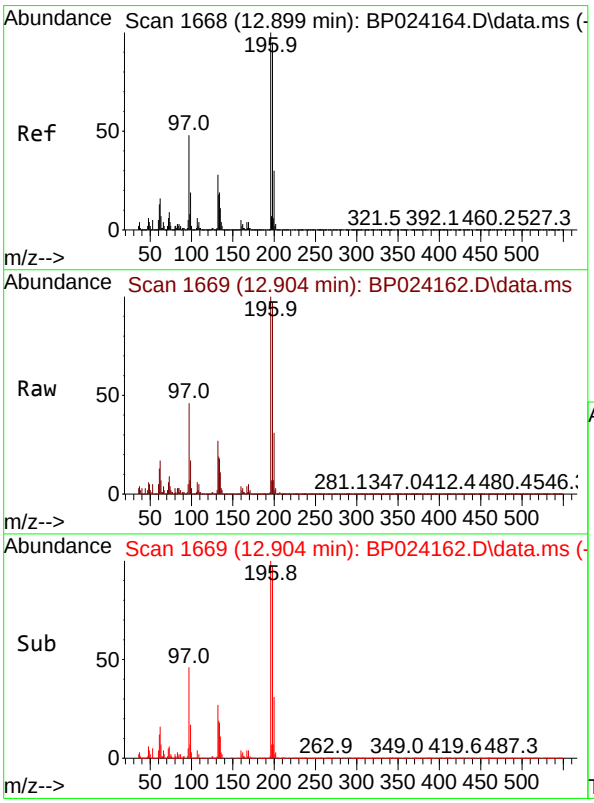
#43
2,4,6-Trichlorophenol
Concen: 8.649 ng
RT: 12.822 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:196 Resp: 142353

Ion	Ratio	Lower	Upper
196	100		
198	96.3	76.6	115.0
200	31.6	25.4	38.0

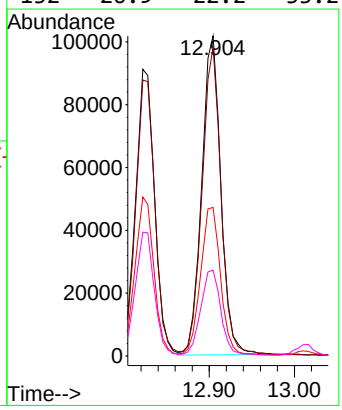


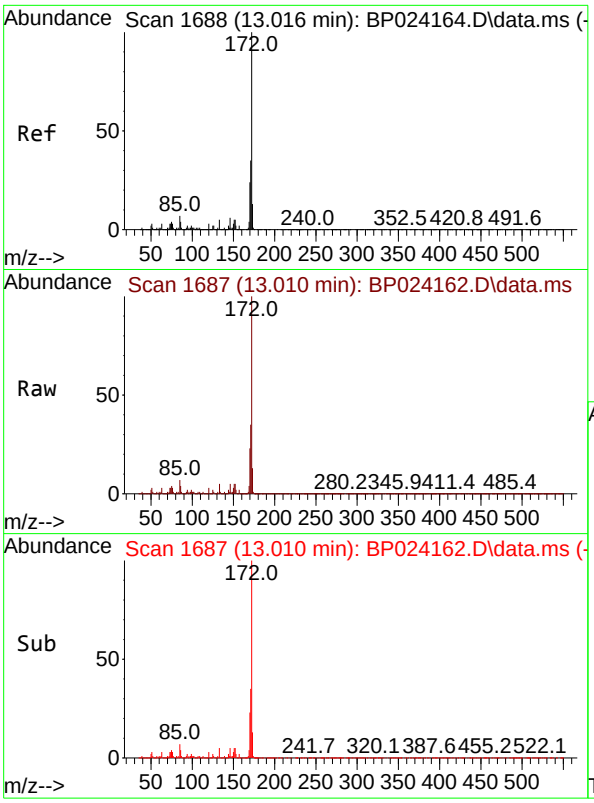


#44
2,4,5-Trichlorophenol
Concen: 8.841 ng
RT: 12.904 min Scan# 1669
Delta R.T. 0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:196 Resp: 159135

Ion	Ratio	Lower	Upper
196	100		
198	96.5	76.5	114.7
97	46.4	38.7	58.1
132	26.9	22.2	33.2



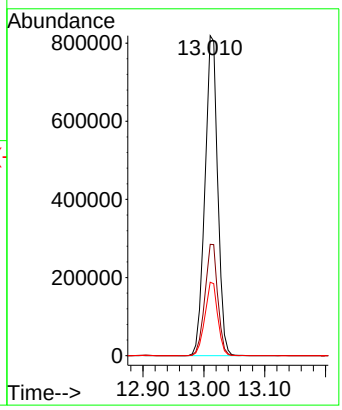


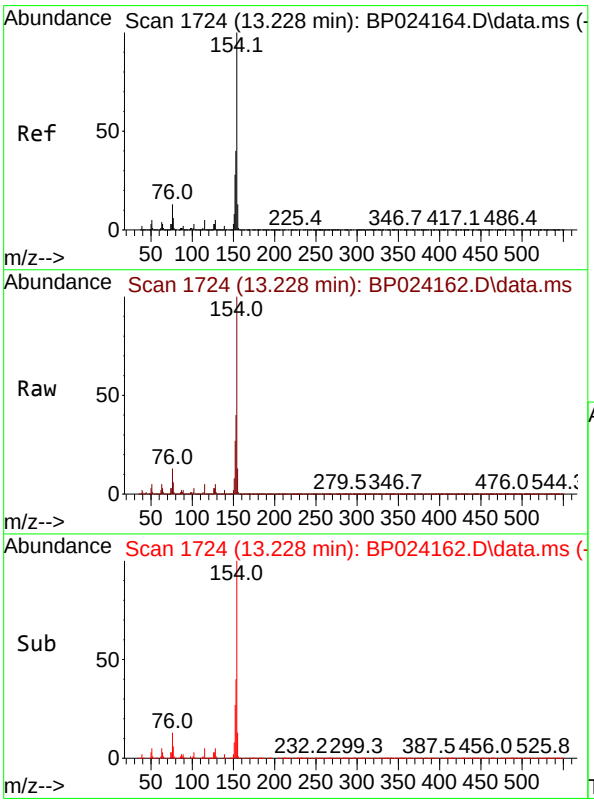
#45
2-Fluorobiphenyl
Concen: 18.984 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:172 Resp: 1192744

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.3	42.5
170	22.9	19.0	28.4

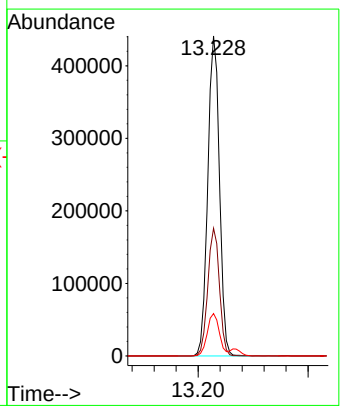


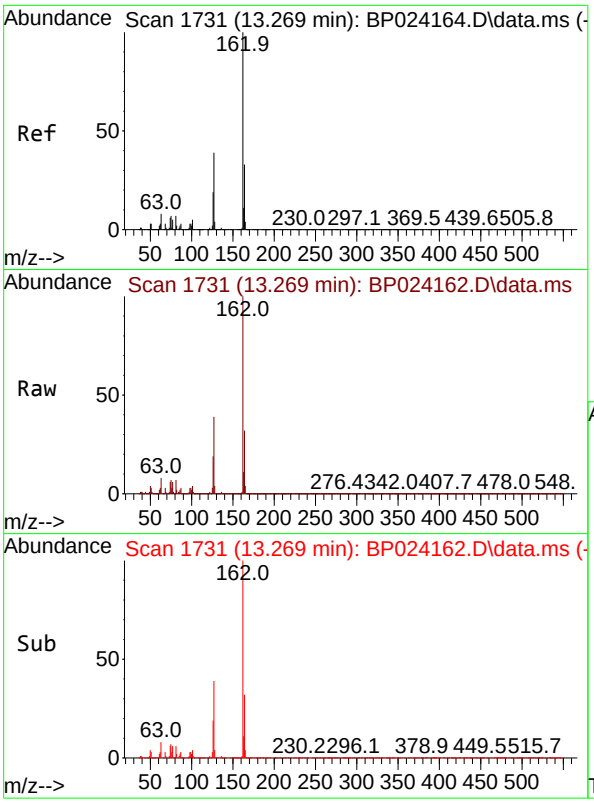


#46
1,1'-Biphenyl
Concen: 9.494 ng
RT: 13.228 min Scan# 1724
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:154 Resp: 647980

Ion	Ratio	Lower	Upper
154	100		
153	39.9	20.3	60.3
76	13.2	0.0	32.9



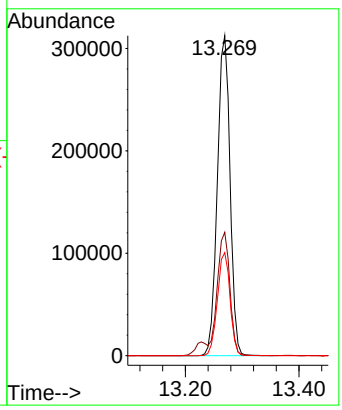


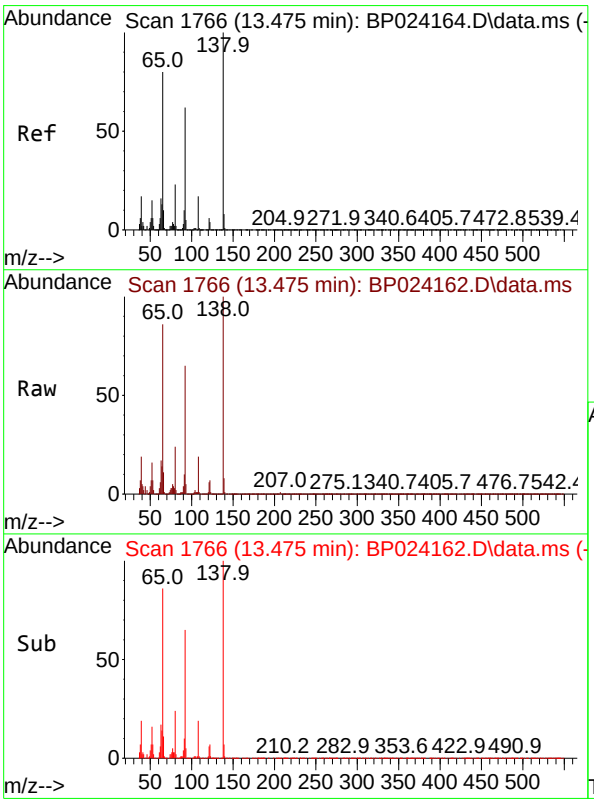
#47
2-Chloronaphthalene
Concen: 9.365 ng
RT: 13.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 483199

Ion	Ratio	Lower	Upper
162	100		
127	38.5	31.5	47.3
164	32.2	26.6	39.8

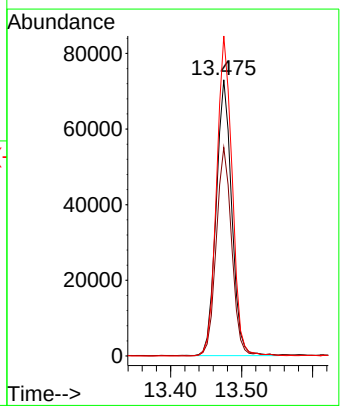


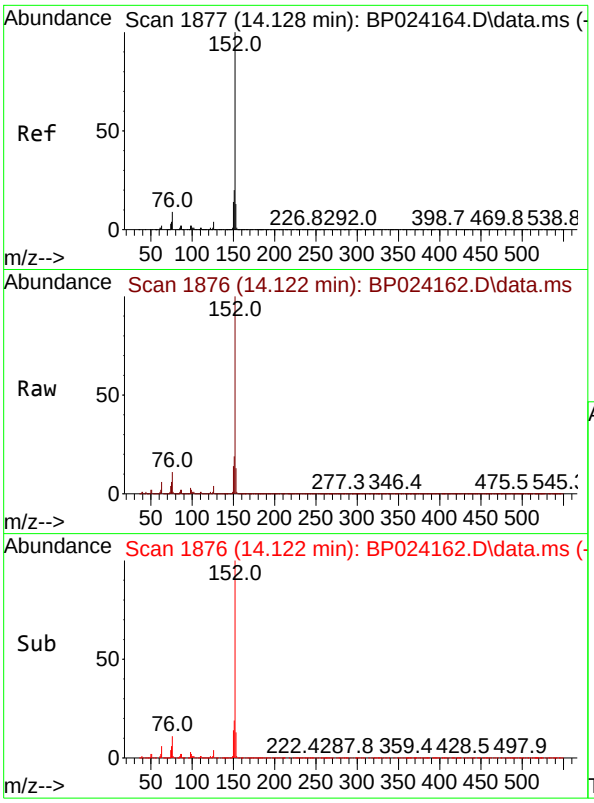


#48
2-Nitroaniline
Concen: 9.079 ng
RT: 13.475 min Scan# 1766
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion: 65 Resp: 110660

Ion	Ratio	Lower	Upper
65	100		
92	75.5	62.1	93.1
138	115.9	99.5	149.3



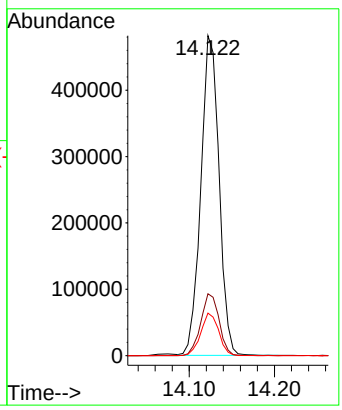


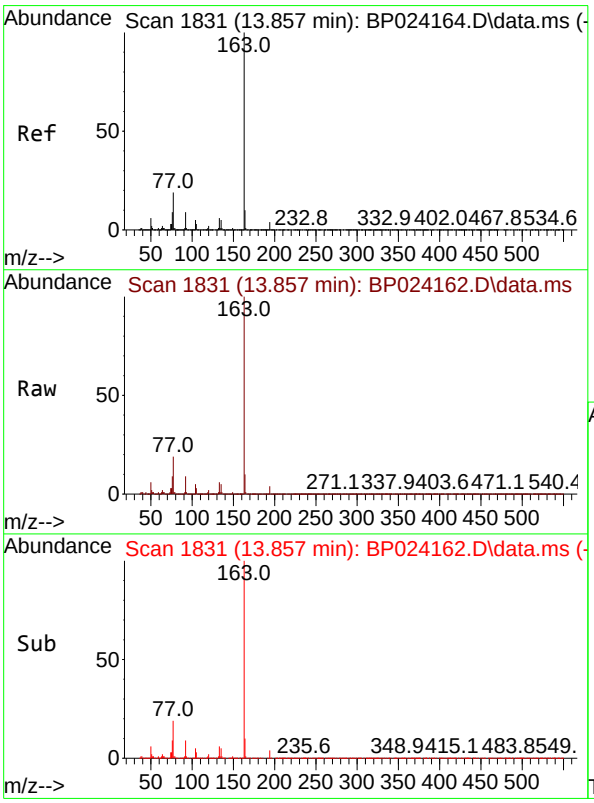
#49
Acenaphthylene
Concen: 9.405 ng
RT: 14.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 714937

Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.0	24.0
153	13.3	10.6	15.8

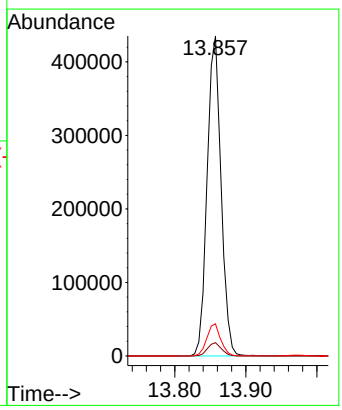


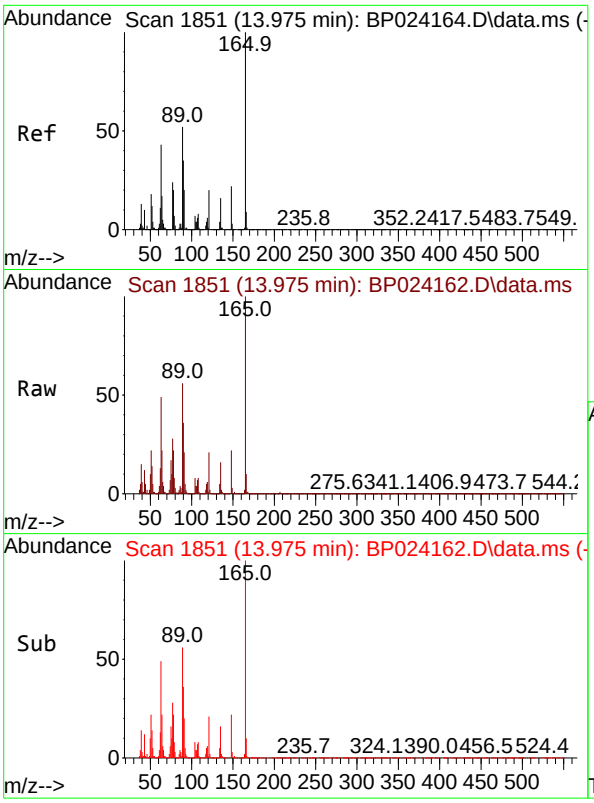


#50
Dimethylphthalate
Concen: 9.563 ng
RT: 13.857 min Scan# 1831
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:163 Resp: 592520

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.1	8.2	12.4



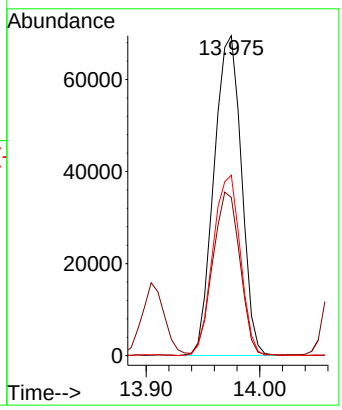


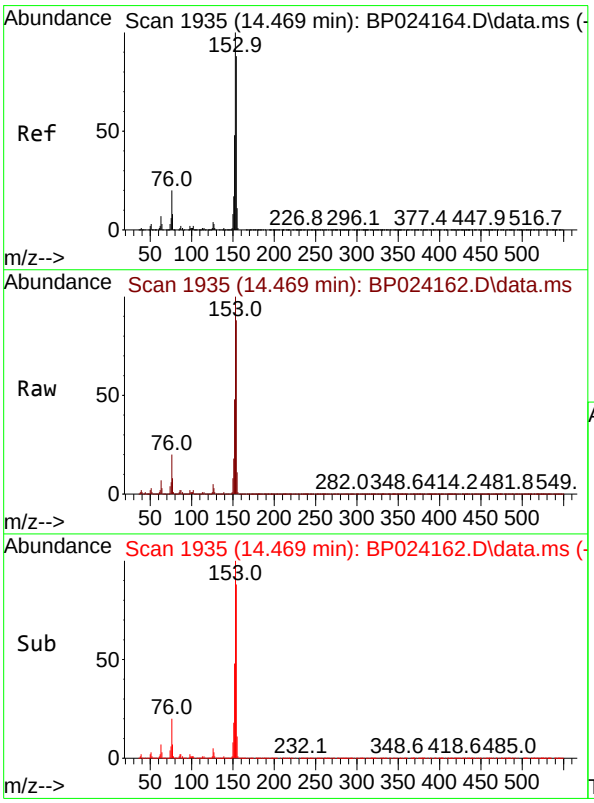
#51
2,6-Dinitrotoluene
Concen: 9.243 ng
RT: 13.975 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 116661

Ion	Ratio	Lower	Upper
165	100		
63	49.5	37.7	56.5
89	56.4	41.9	62.9

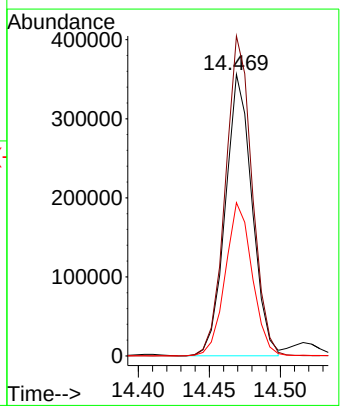


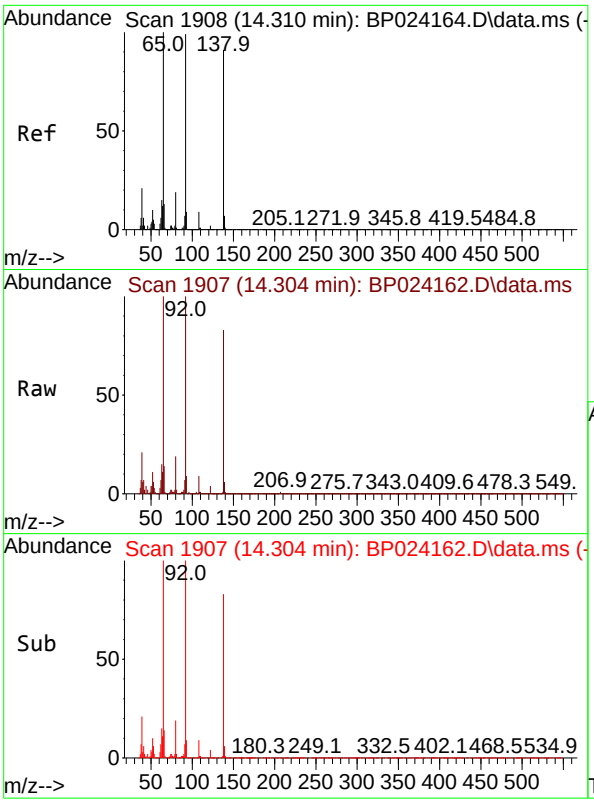


#52
Acenaphthene
Concen: 9.473 ng
RT: 14.469 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:154 Resp: 463749

Ion	Ratio	Lower	Upper
154	100		
153	113.7	90.5	135.7
152	54.4	43.1	64.7



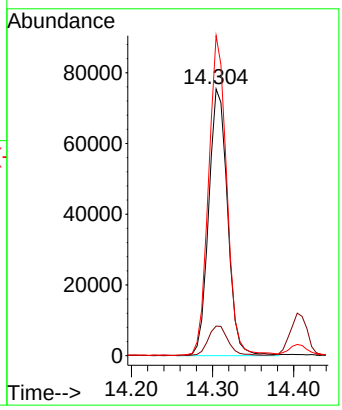


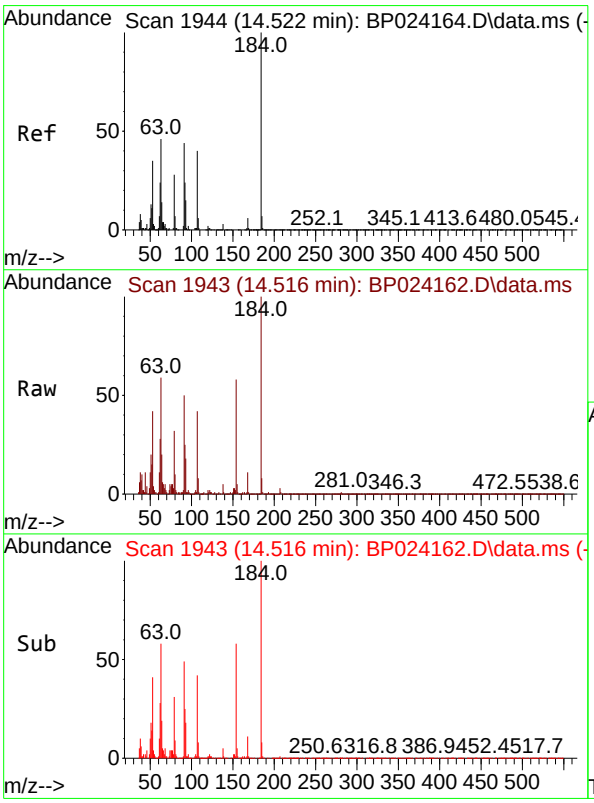
#53
3-Nitroaniline
Concen: 9.001 ng
RT: 14.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:138 Resp: 121229

Ion	Ratio	Lower	Upper
138	100		
108	11.1	8.2	12.2
92	120.0	86.7	130.1

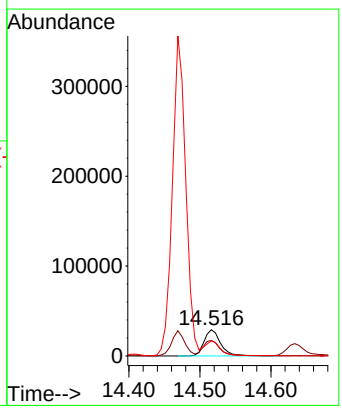


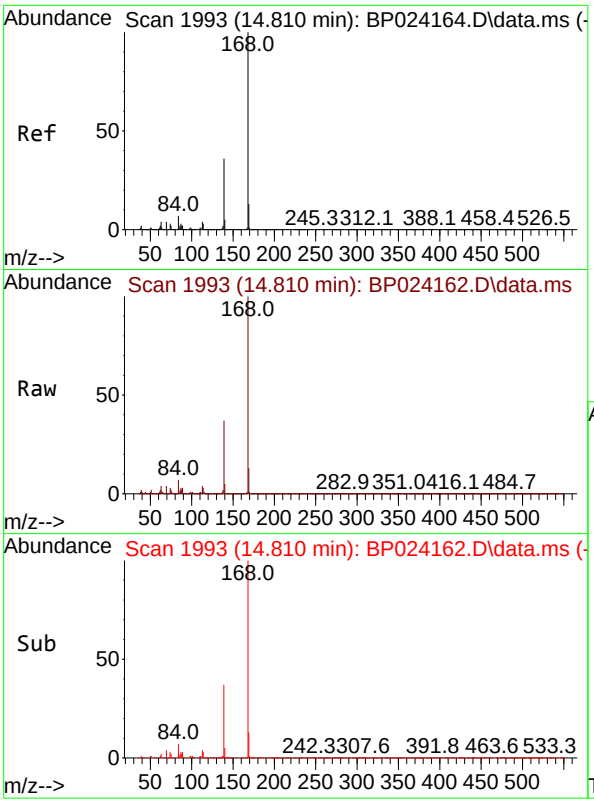


#54
2,4-Dinitrophenol
Concen: 7.053 ng
RT: 14.516 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:184 Resp: 47409

Ion	Ratio	Lower	Upper
184	100		
63	58.9	42.1	63.1
154	57.9	44.6	67.0



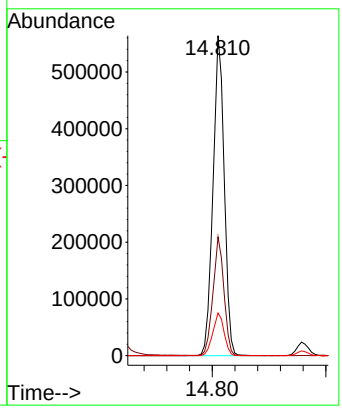


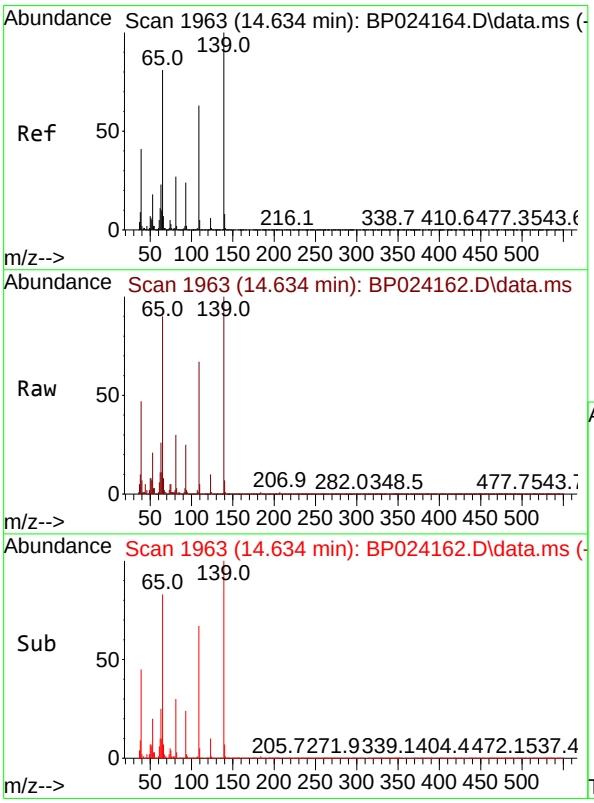
#55
Dibenzofuran
Concen: 9.671 ng
RT: 14.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:168 Resp: 769059

Ion	Ratio	Lower	Upper
168	100		
139	37.1	29.1	43.7
169	13.4	10.8	16.2

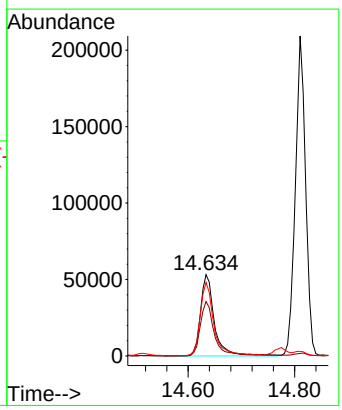


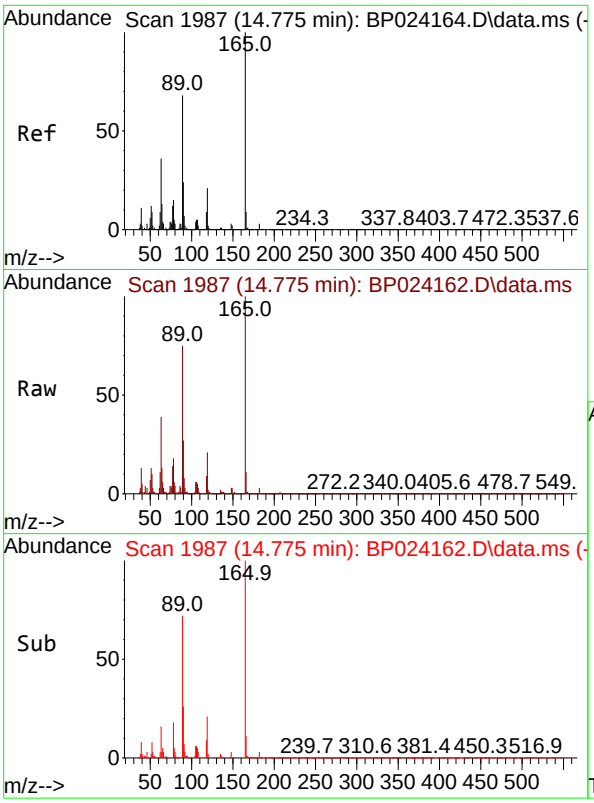


#56
4-Nitrophenol
Concen: 8.246 ng
RT: 14.634 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:139 Resp: 95936

Ion	Ratio	Lower	Upper
139	100		
109	67.0	43.3	83.3
65	90.3	61.2	101.2



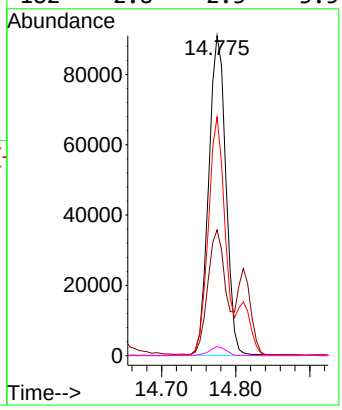


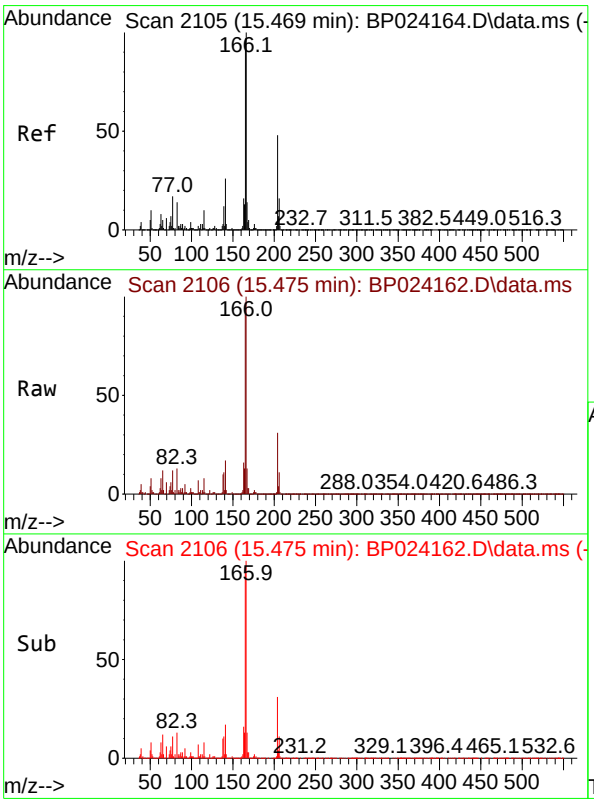
#57
2,4-Dinitrotoluene
Concen: 8.946 ng
RT: 14.775 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 146673

Ion	Ratio	Lower	Upper
165	100		
63	39.3	29.0	43.6
89	74.6	54.2	81.4
182	2.8	2.3	3.5

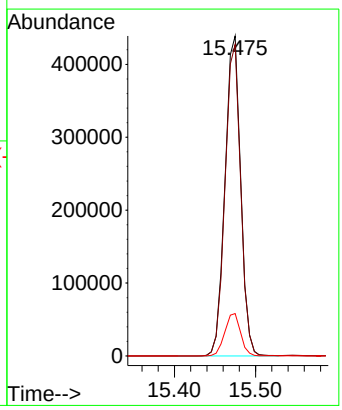


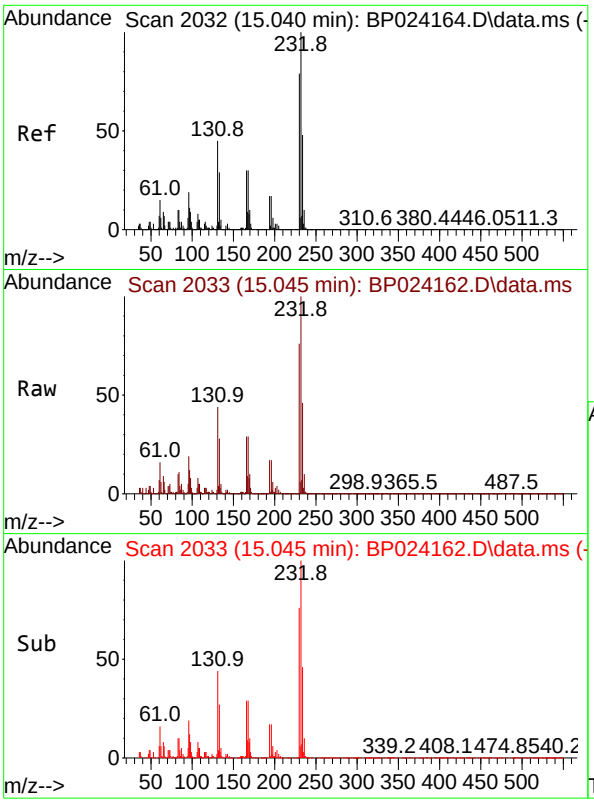


#58
Fluorene
Concen: 9.495 ng
RT: 15.475 min Scan# 2106
Delta R.T. 0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:166 Resp: 589720

Ion	Ratio	Lower	Upper
166	100		
165	97.4	77.6	116.4
167	13.3	10.8	16.2



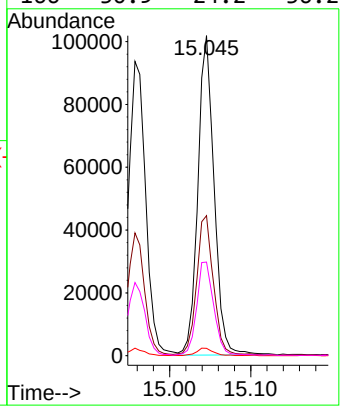


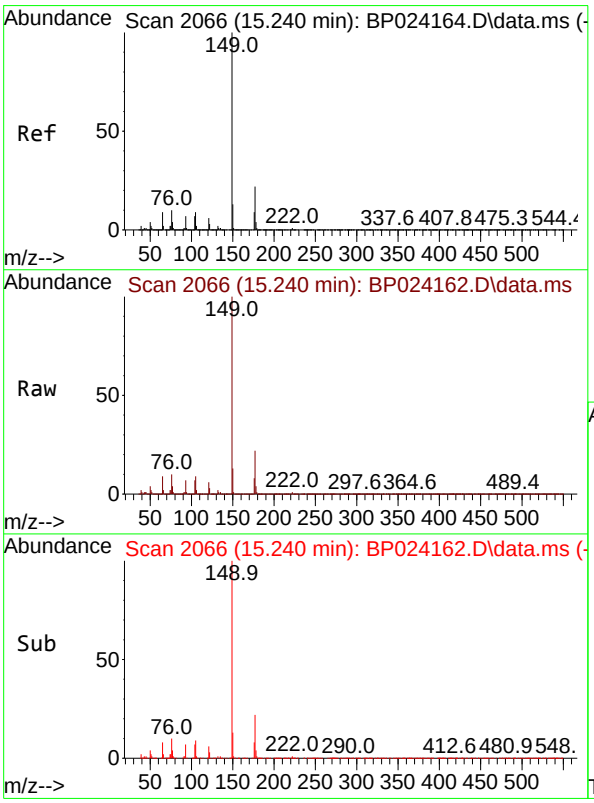
#59
2,3,4,6-Tetrachlorophenol
Concen: 9.071 ng
RT: 15.045 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:232 Resp: 141666

Ion	Ratio	Lower	Upper
232	100		
131	45.1	35.9	53.9
130	2.4	1.8	2.6
166	30.9	24.2	36.2

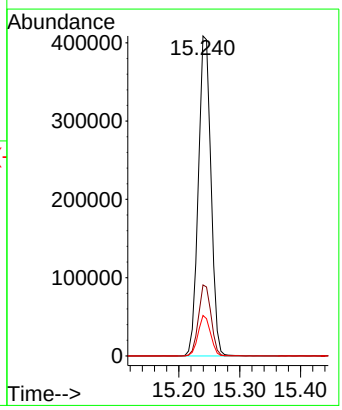


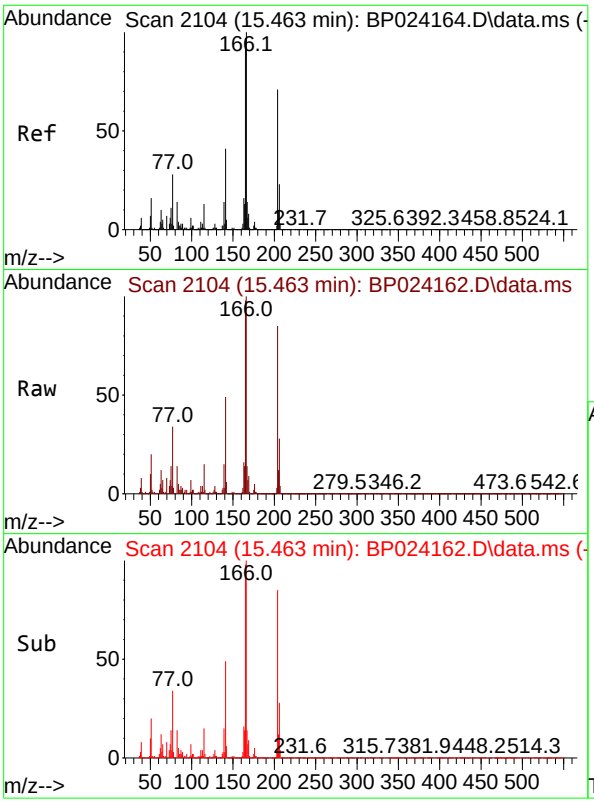


#60
Diethylphthalate
Concen: 9.543 ng
RT: 15.240 min Scan# 2066
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:149 Resp: 586933

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.7	26.5
150	12.7	10.2	15.4



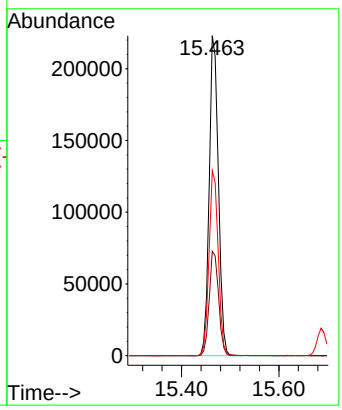


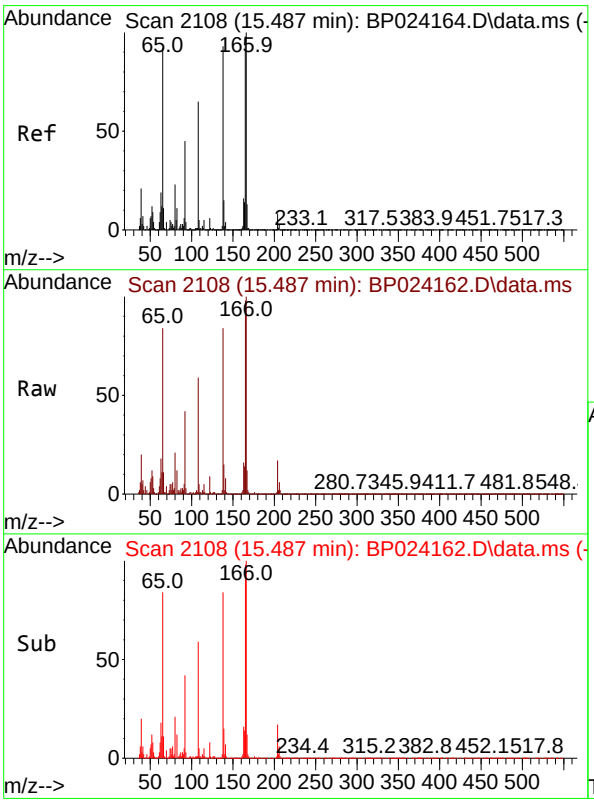
#61
4-Chlorophenyl-phenylether
Concen: 9.478 ng
RT: 15.463 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 289728

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.4	39.6
141	57.9	45.8	68.8

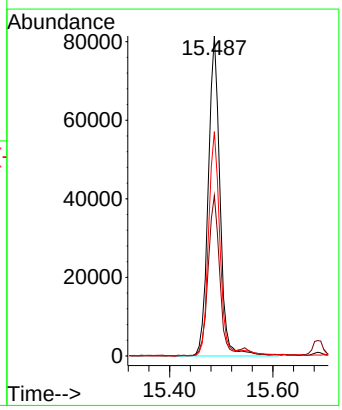


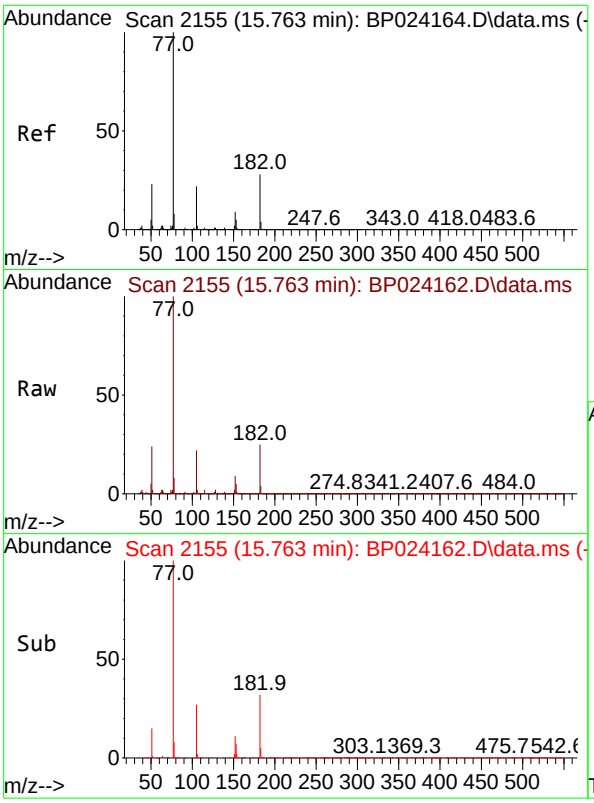


#62
4-Nitroaniline
Concen: 9.169 ng
RT: 15.487 min Scan# 2108
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:138 Resp: 128152

Ion	Ratio	Lower	Upper
138	100		
92	50.2	28.7	68.7
108	70.1	49.5	89.5



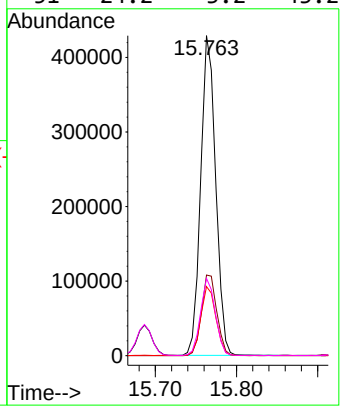


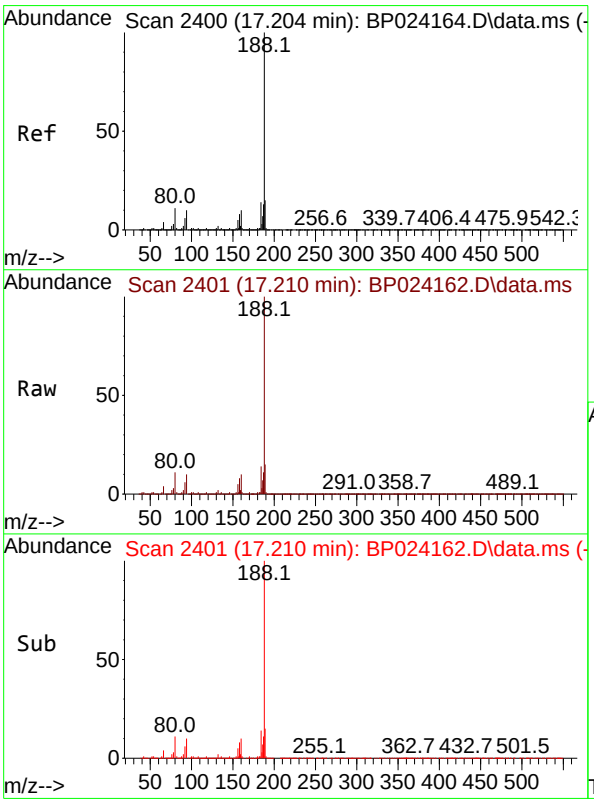
#63
Azobenzene
Concen: 9.535 ng
RT: 15.763 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 549569

Ion	Ratio	Lower	Upper
77	100		
182	25.2	7.7	47.7
105	21.6	2.3	42.3
51	24.2	3.2	43.2

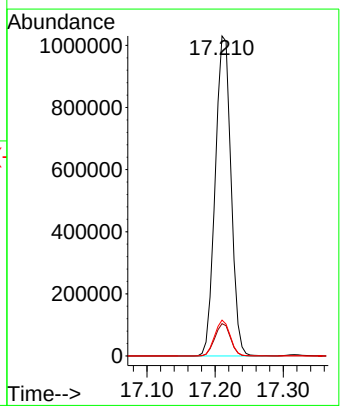


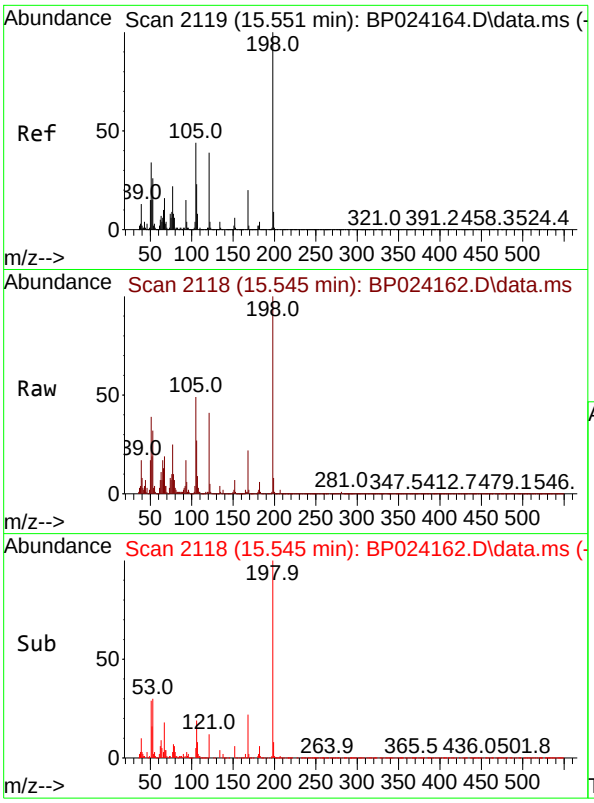


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.210 min Scan# 2401
Delta R.T. 0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:188 Resp: 1659965

Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.1	12.1
80	11.2	8.9	13.3



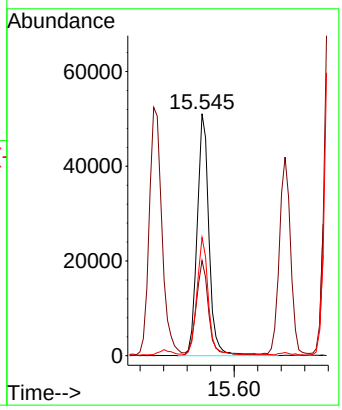


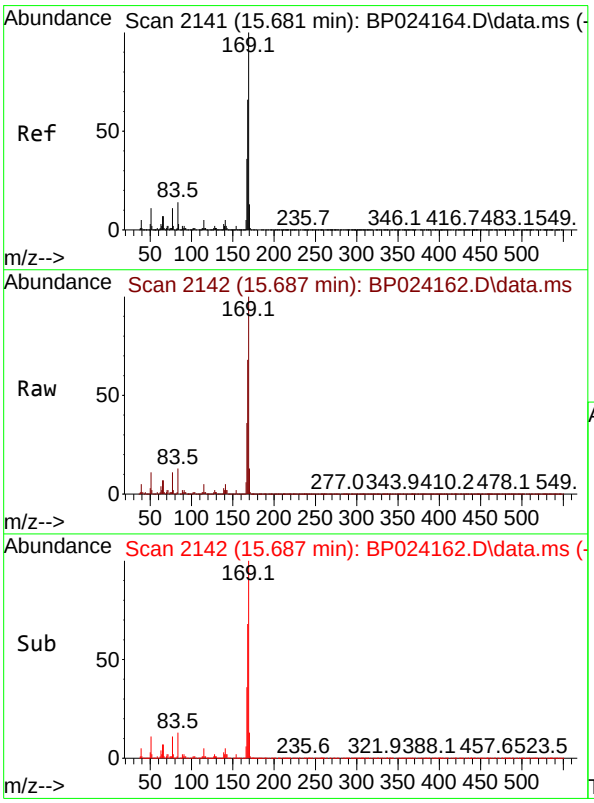
#65
4,6-Dinitro-2-methylphenol
Concen: 7.361 ng
RT: 15.545 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 70717

Ion	Ratio	Lower	Upper
198	100		
51	39.3	14.7	54.7
105	48.9	23.8	63.8

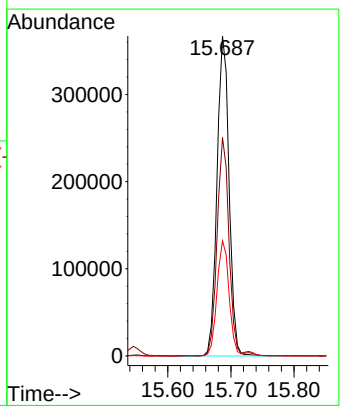


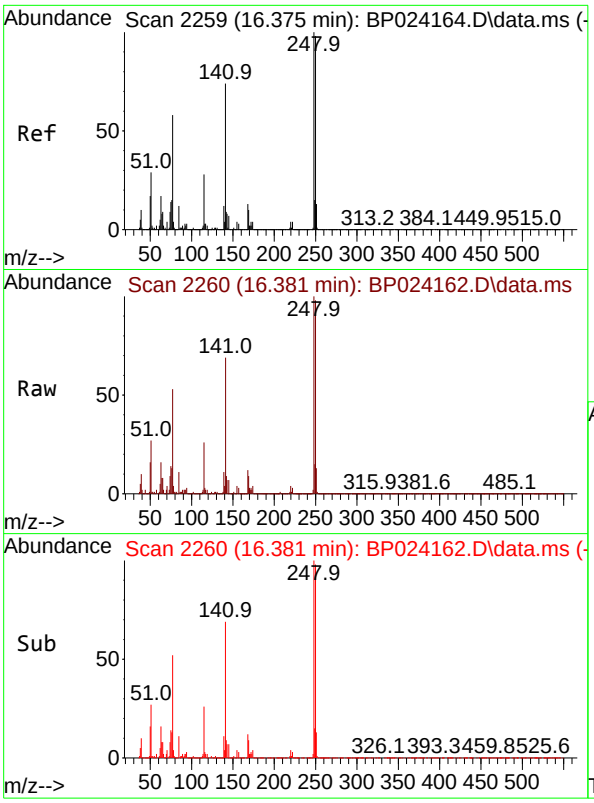


#66
n-Nitrosodiphenylamine
Concen: 9.352 ng
RT: 15.687 min Scan# 2142
Delta R.T. 0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:169 Resp: 484111

Ion	Ratio	Lower	Upper
169	100		
168	68.3	52.9	79.3
167	36.0	28.8	43.2



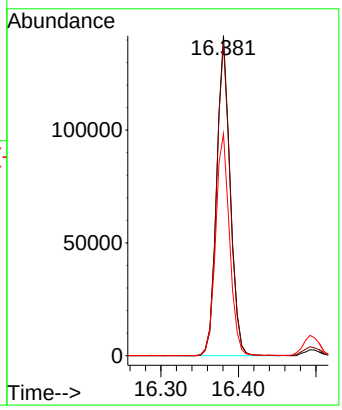


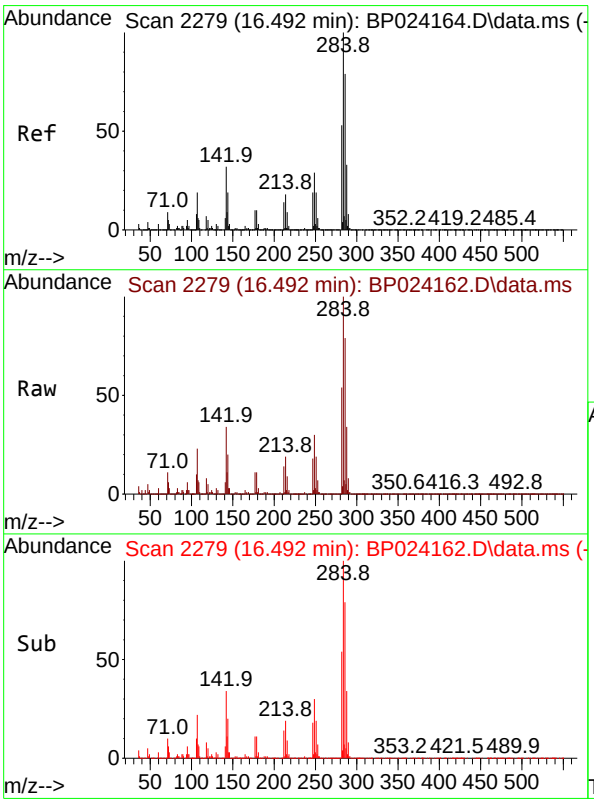
#67
4-Bromophenyl-phenylether
Concen: 9.207 ng
RT: 16.381 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:248 Resp: 171620

Ion	Ratio	Lower	Upper
248	100		
250	97.8	78.4	117.6
141	69.4	59.4	89.0

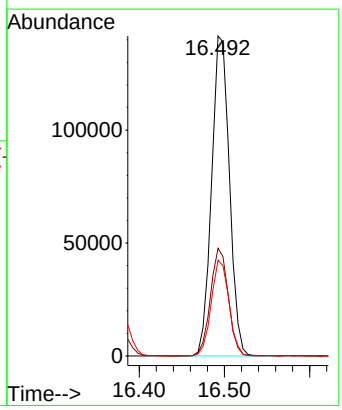


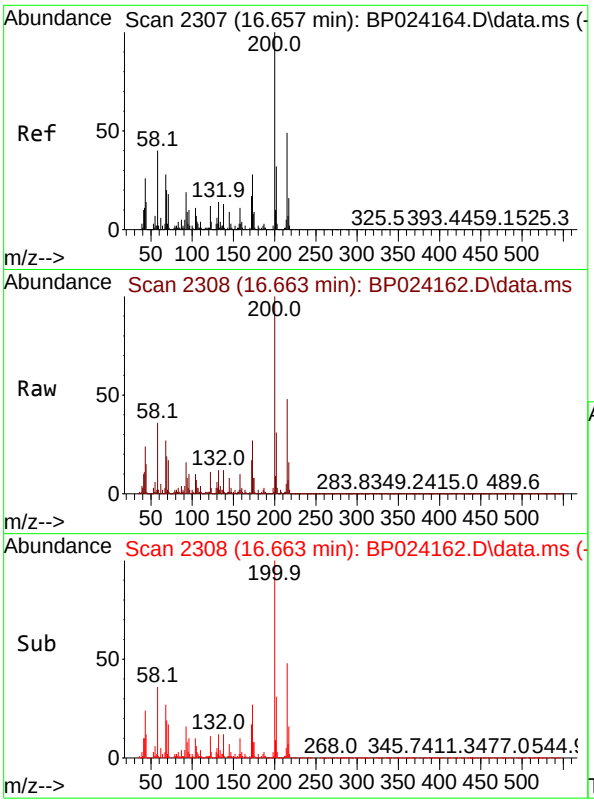


#68
Hexachlorobenzene
Concen: 9.414 ng
RT: 16.492 min Scan# 2279
Delta R.T. 0.000 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:284 Resp: 206475

Ion	Ratio	Lower	Upper
284	100		
142	33.7	25.4	38.2
249	29.9	23.5	35.3



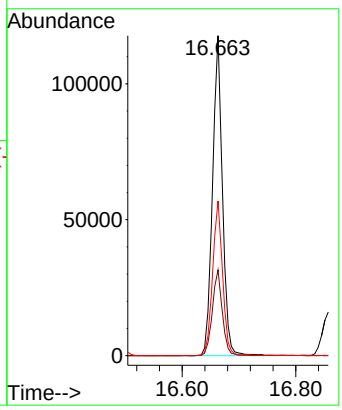


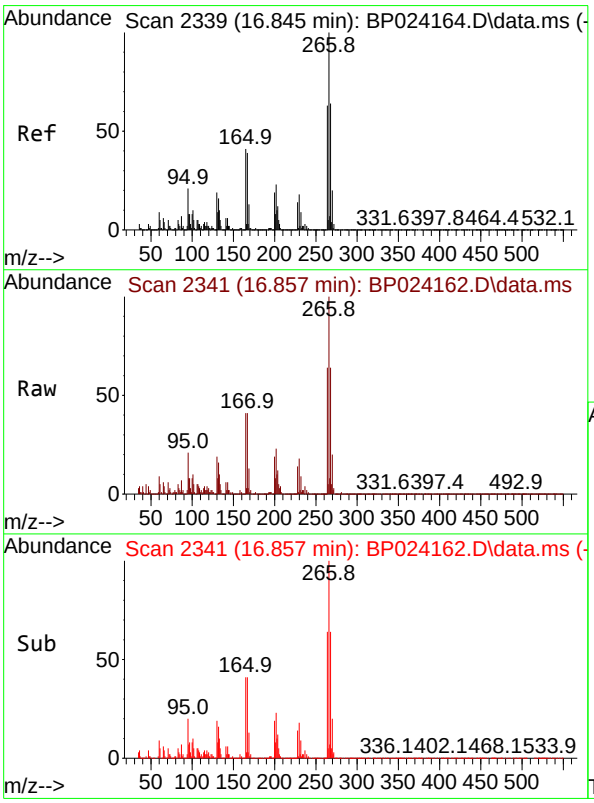
#69
Atrazine
Concen: 10.706 ng
RT: 16.663 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:200 Resp: 142226

Ion	Ratio	Lower	Upper
200	100		
173	26.8	7.6	47.6
215	48.3	29.0	69.0

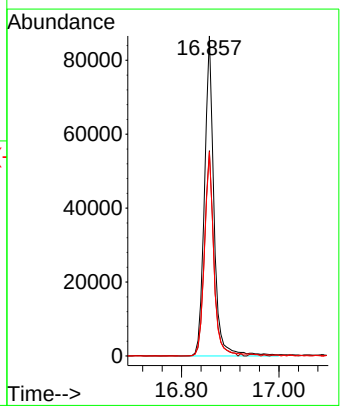


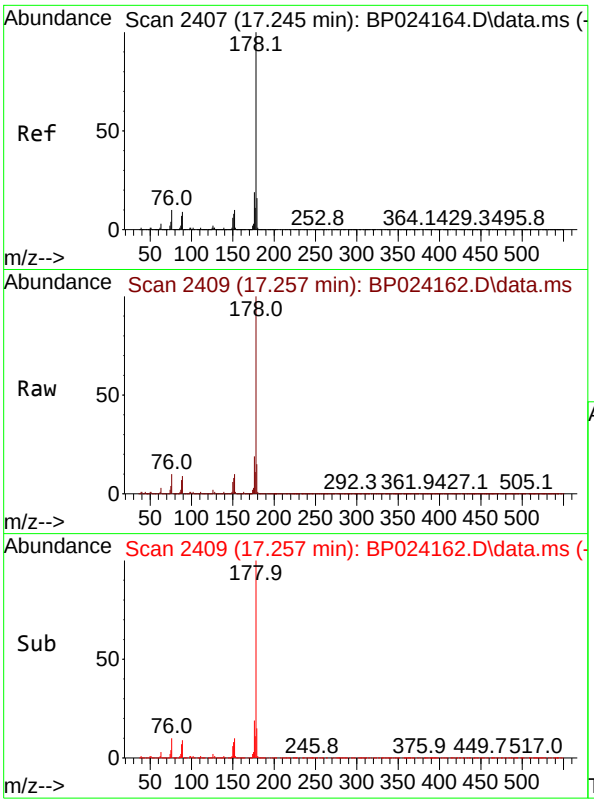


#70
Pentachlorophenol
Concen: 8.175 ng
RT: 16.857 min Scan# 2341
Delta R.T. 0.012 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:266 Resp: 116455

Ion	Ratio	Lower	Upper
266	100		
268	64.1	51.3	76.9
264	63.7	50.6	76.0



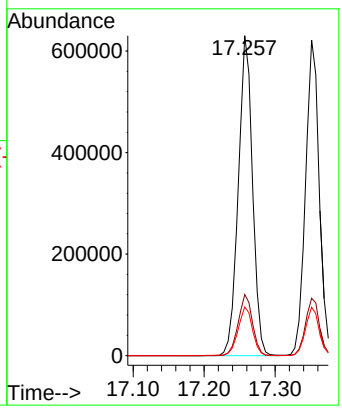


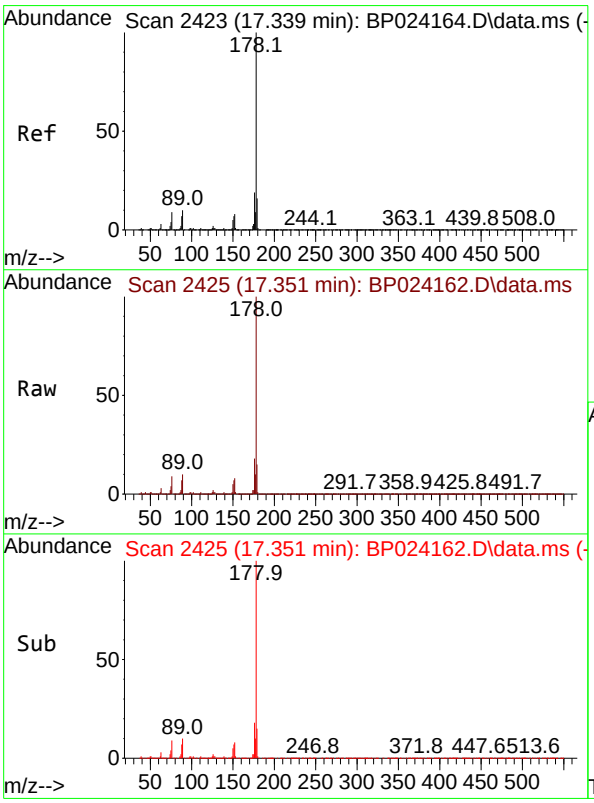
#71
Phenanthrene
Concen: 9.391 ng
RT: 17.257 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 878834

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.6	23.4
179	15.2	12.5	18.7

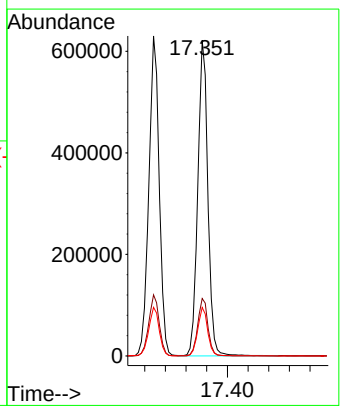


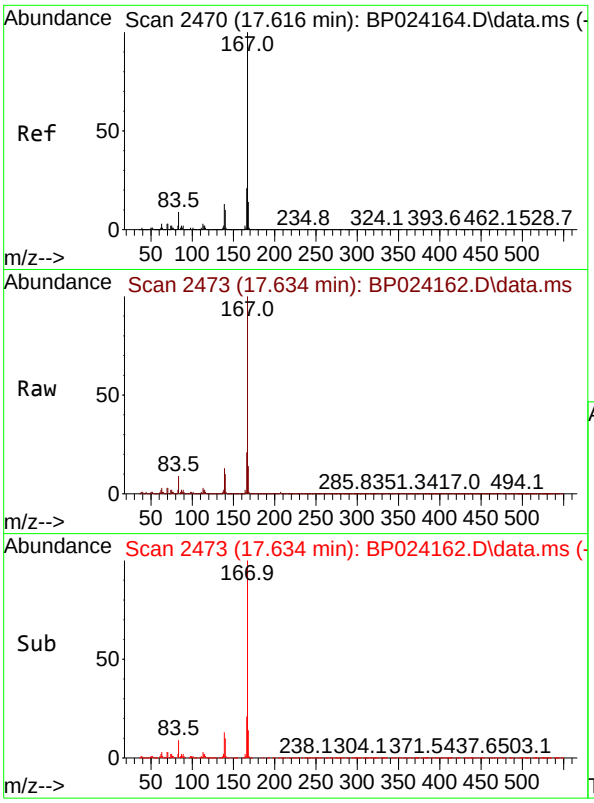


#72
Anthracene
Concen: 9.366 ng
RT: 17.351 min Scan# 2425
Delta R.T. 0.012 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:178 Resp: 839953

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.2	22.8
179	15.4	12.6	18.8



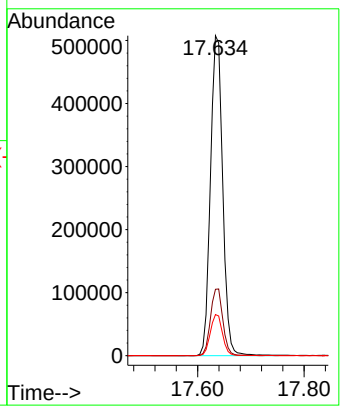


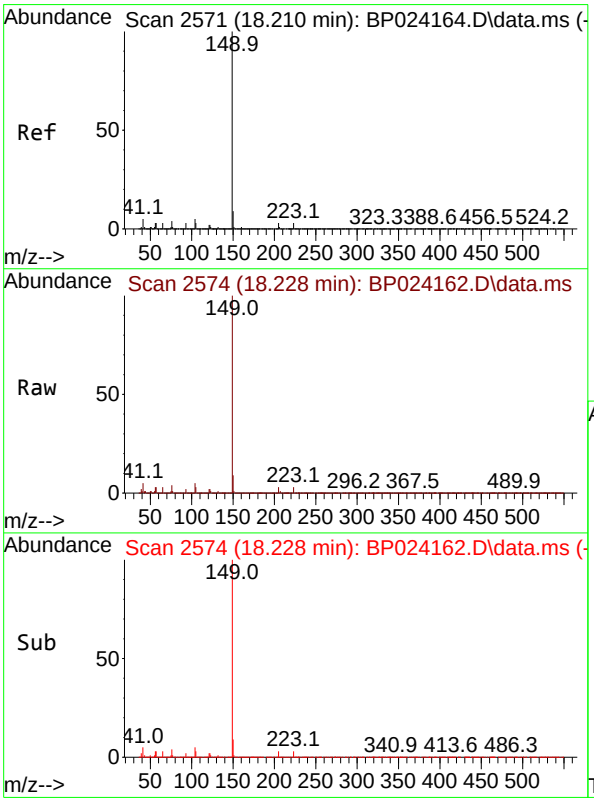
#73
Carbazole
Concen: 9.471 ng
RT: 17.634 min Scan# 24
Delta R.T. 0.018 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:167 Resp: 809266

Ion	Ratio	Lower	Upper
167	100		
166	20.8	17.1	25.7
139	12.9	10.2	15.4

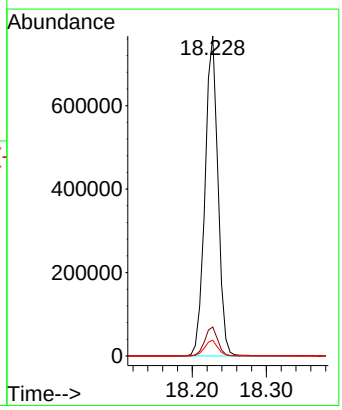


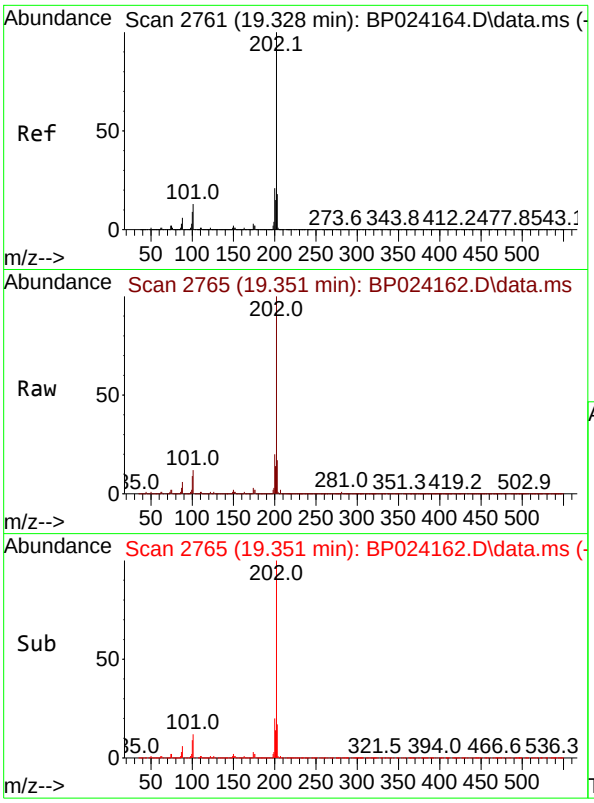


#74
Di-n-butylphthalate
Concen: 9.335 ng
RT: 18.228 min Scan# 2574
Delta R.T. 0.018 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:149 Resp: 930693

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.6	11.4
104	4.9	3.9	5.9



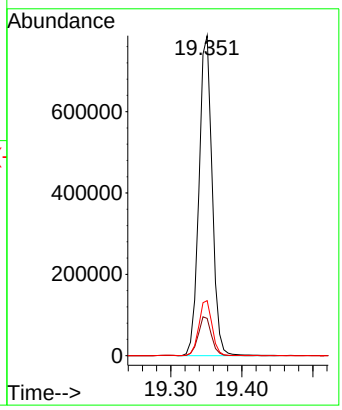


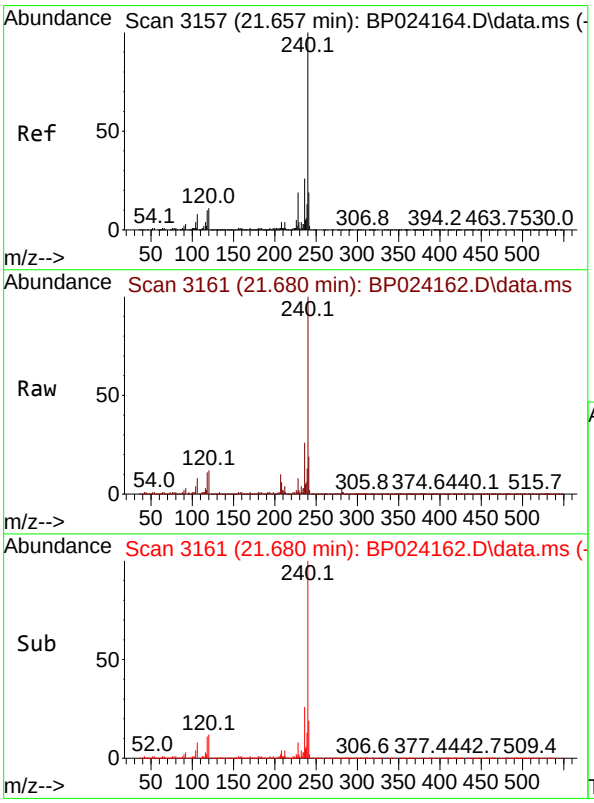
#75
Fluoranthene
Concen: 9.566 ng
RT: 19.351 min Scan# 2
Delta R.T. 0.024 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:202 Resp: 1012600

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	32.5
203	17.2	0.0	37.9

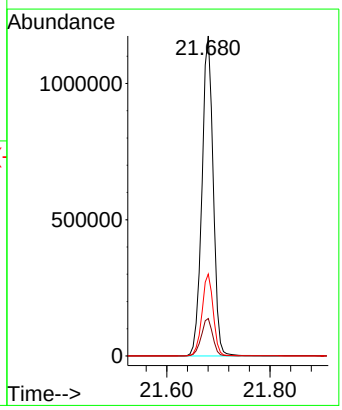


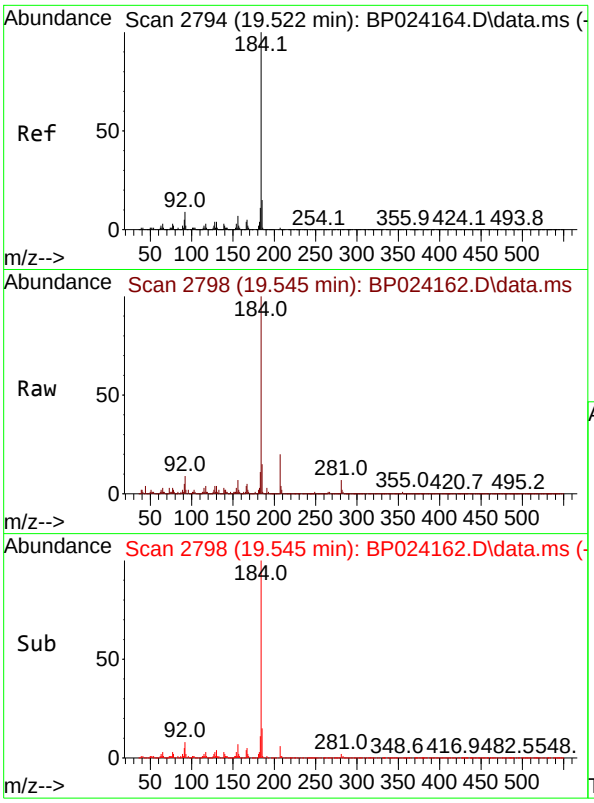


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.680 min Scan# 3161
Delta R.T. 0.024 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:240 Resp: 1774754

Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.2	13.8
236	25.6	20.4	30.6



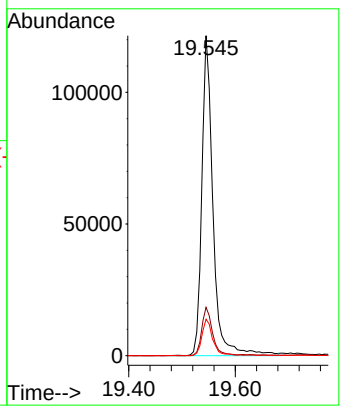


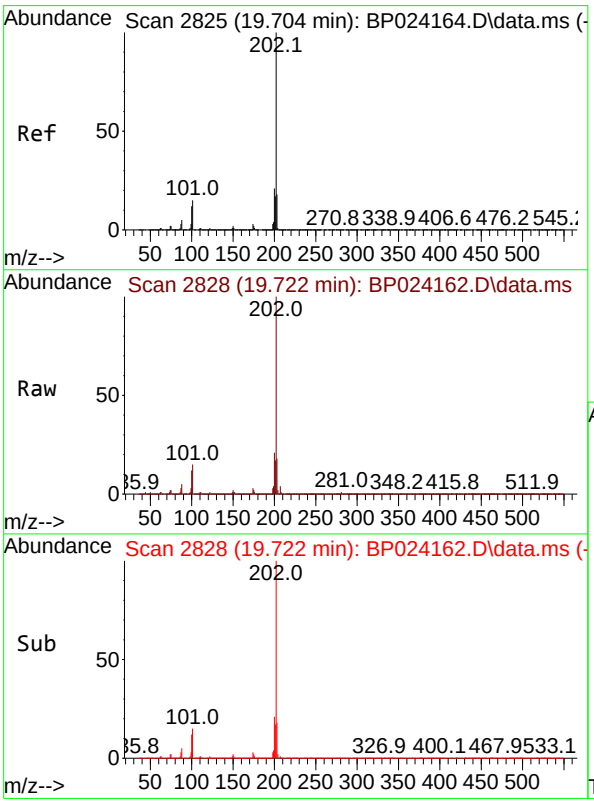
#77
Benzidine
Concen: 8.151 ng
RT: 19.545 min Scan# 2
Delta R.T. 0.024 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:184 Resp: 176282

Ion	Ratio	Lower	Upper
184	100		
185	15.1	11.8	17.6
183	11.4	9.1	13.7

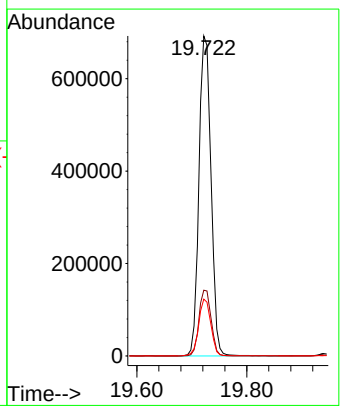


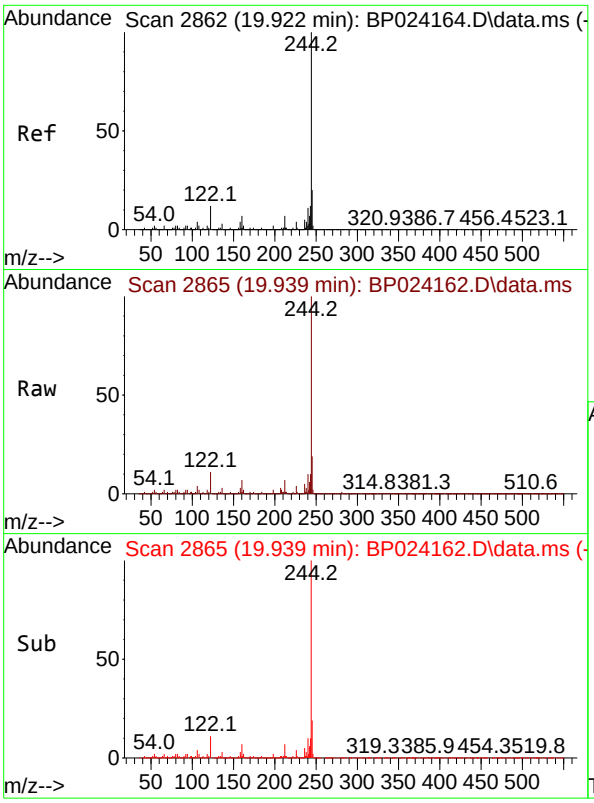


#78
Pyrene
Concen: 9.367 ng
RT: 19.722 min Scan# 2828
Delta R.T. 0.018 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:202 Resp: 1056004

Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.1	25.7
203	17.7	14.2	21.4



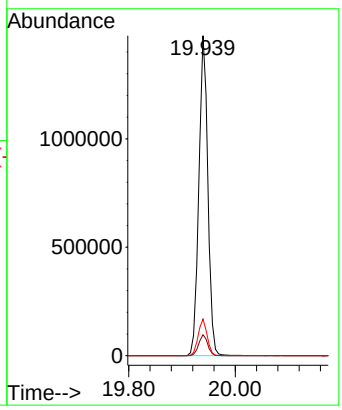


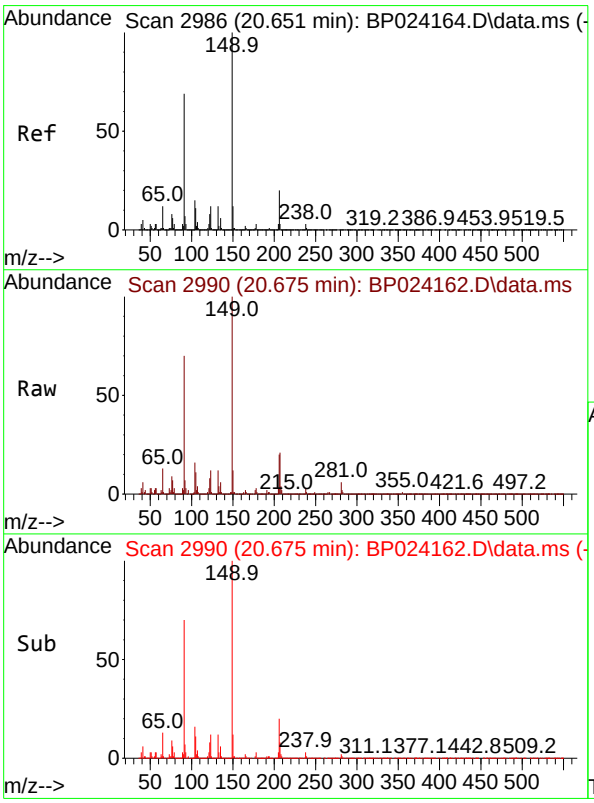
#79
Terphenyl-d14
Concen: 19.251 ng
RT: 19.939 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:244 Resp: 1726609

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.7	8.5
122	11.5	9.6	14.4

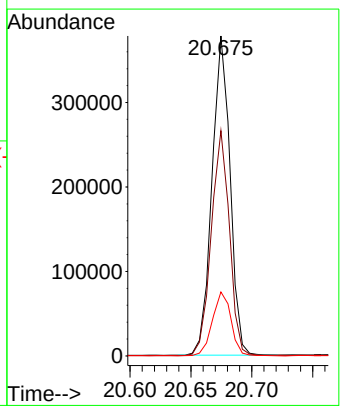


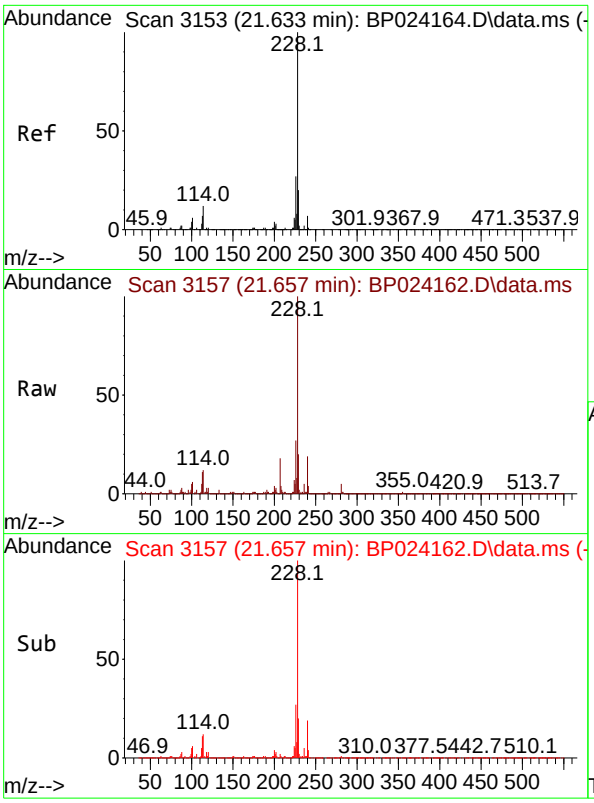


#80
Butylbenzylphthalate
Concen: 9.049 ng
RT: 20.675 min Scan# 2990
Delta R.T. 0.024 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:149 Resp: 390890

Ion	Ratio	Lower	Upper
149	100		
91	70.4	55.3	82.9
206	20.0	16.1	24.1



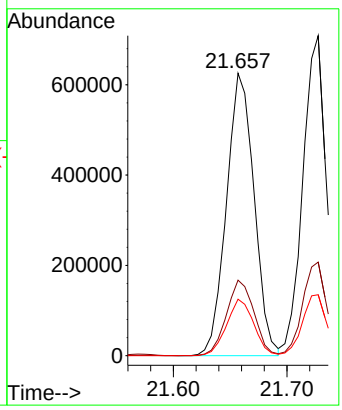


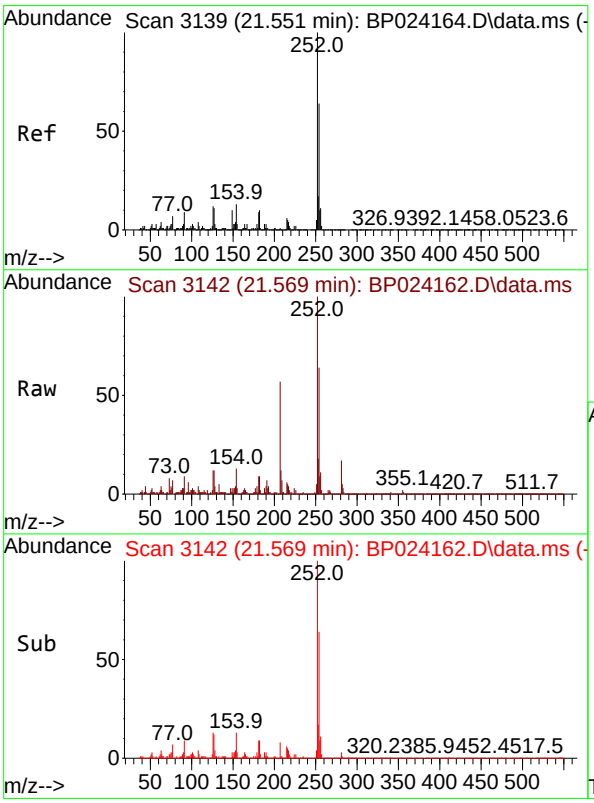
#81
Benzo(a)anthracene
Concen: 9.520 ng
RT: 21.657 min Scan# 3
Delta R.T. 0.024 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 1059397

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.8	32.8
229	20.0	16.0	24.0

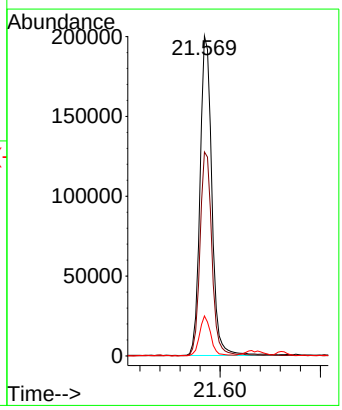


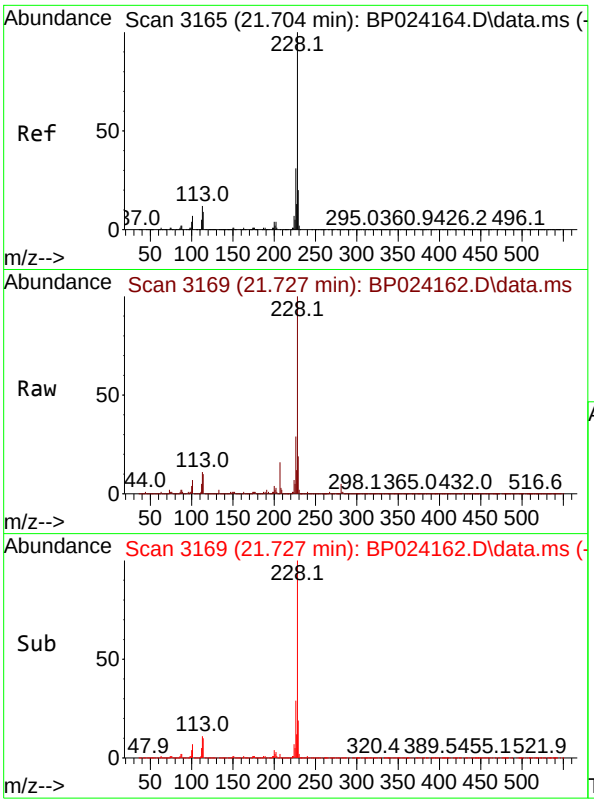


#82
3,3'-Dichlorobenzidine
Concen: 9.409 ng
RT: 21.569 min Scan# 3142
Delta R.T. 0.018 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:252 Resp: 327195

Ion	Ratio	Lower	Upper
252	100		
254	63.8	51.4	77.2
126	12.5	9.3	13.9



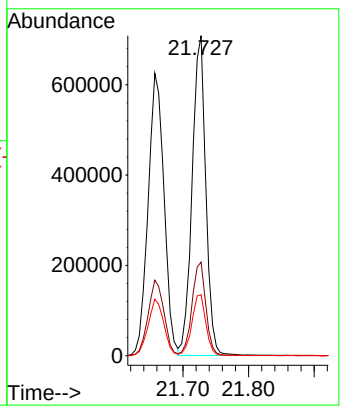


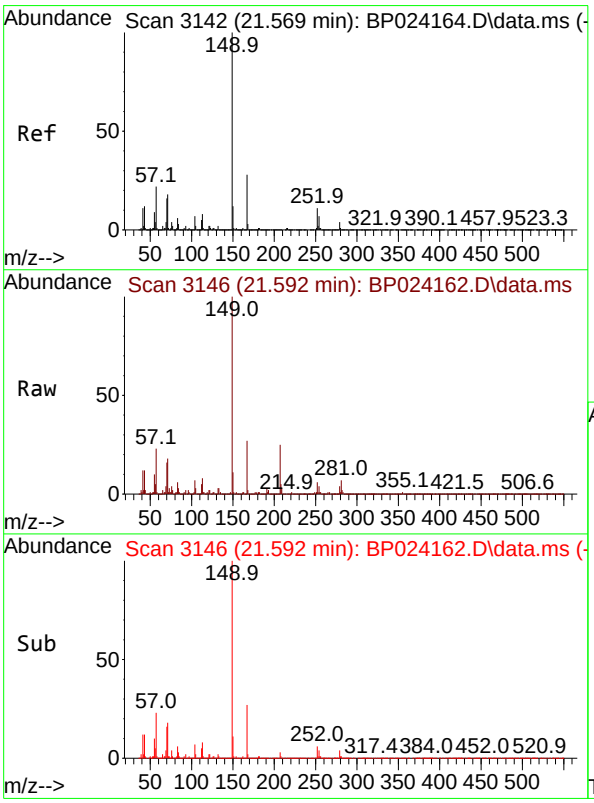
#83
Chrysene
Concen: 9.585 ng
RT: 21.727 min Scan# 3
Delta R.T. 0.024 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 1028579

Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.5	36.7
229	19.1	16.2	24.2

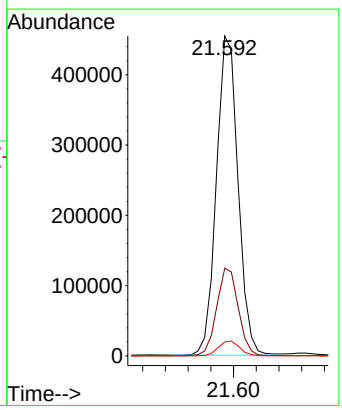


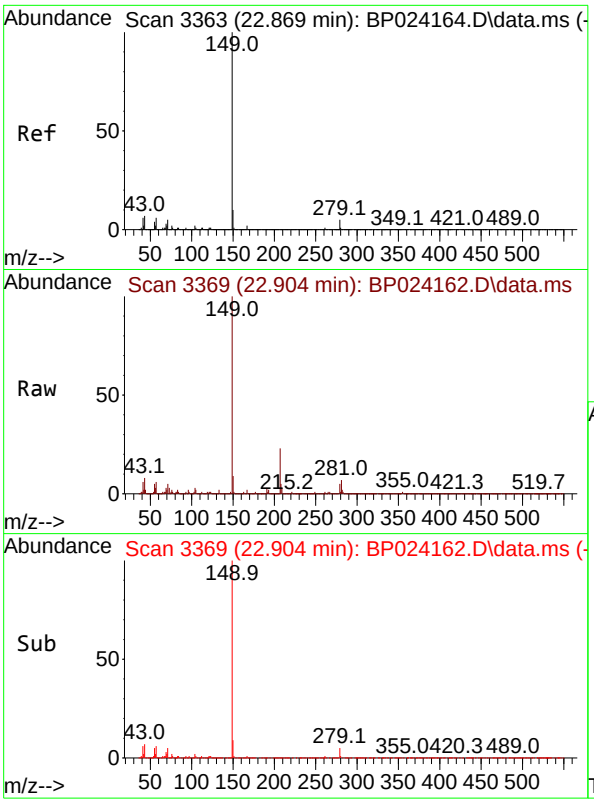


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.181 ng
RT: 21.592 min Scan# 3146
Delta R.T. 0.024 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:149 Resp: 601388

Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.5	33.7
279	4.4	3.6	5.4



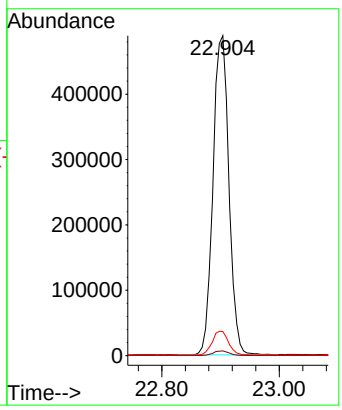


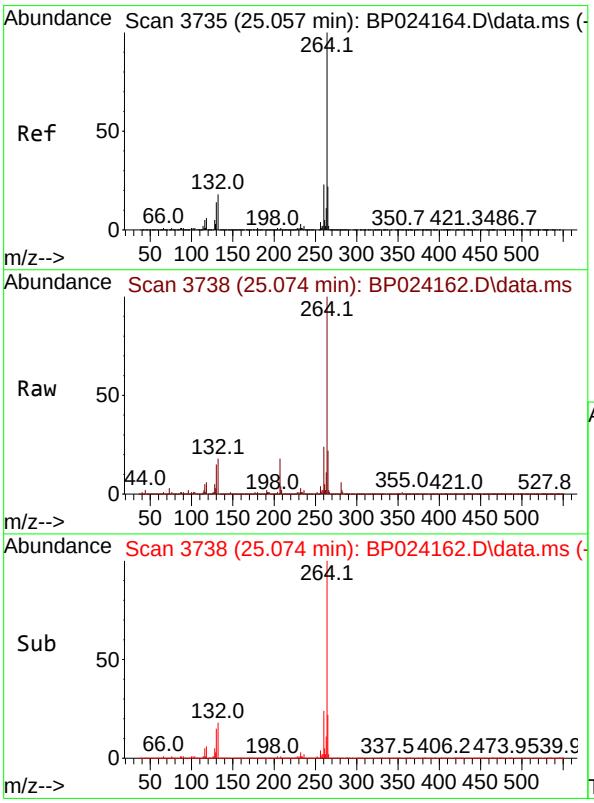
#85
Di-n-octyl phthalate
Concen: 8.757 ng
RT: 22.904 min Scan# 3
Delta R.T. 0.035 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:149 Resp: 916941

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	7.8	5.8	8.8

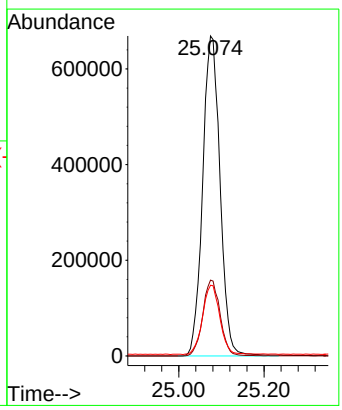


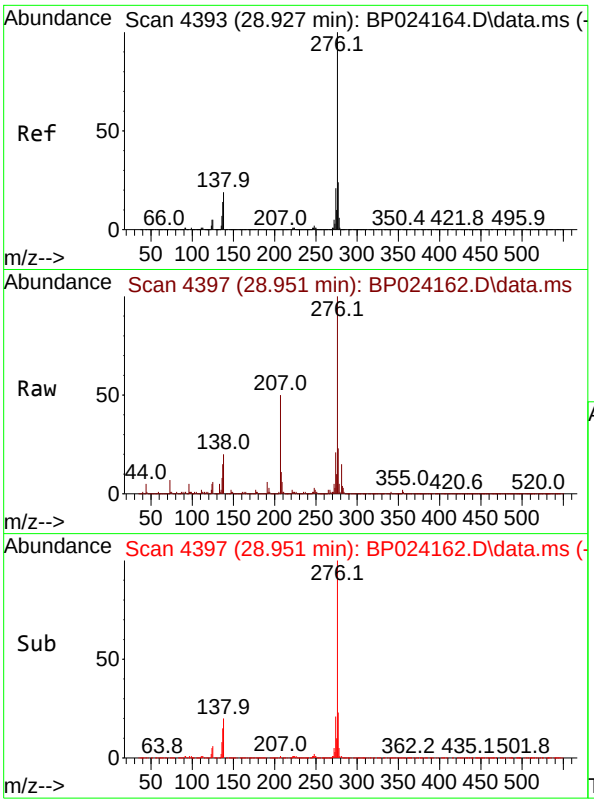


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.074 min Scan# 3738
Delta R.T. 0.018 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:264 Resp: 1895165

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.5	27.7
265	22.1	17.7	26.5



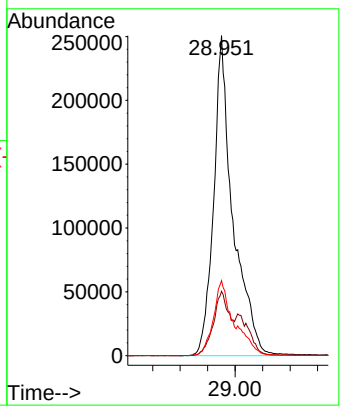


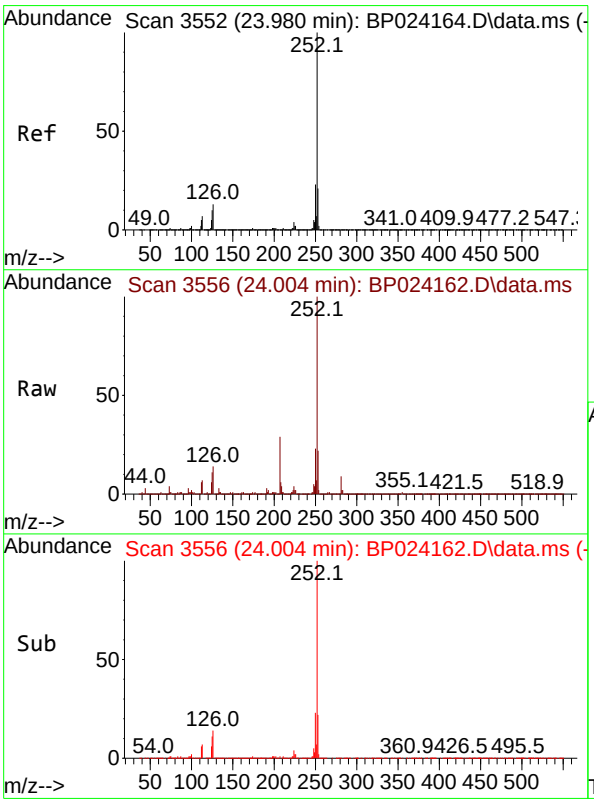
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.061 ng
RT: 28.951 min Scan# 4
Delta R.T. 0.024 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:276 Resp: 1221650

Ion	Ratio	Lower	Upper
276	100		
138	17.3	13.7	20.5
277	19.7	20.2	30.2#

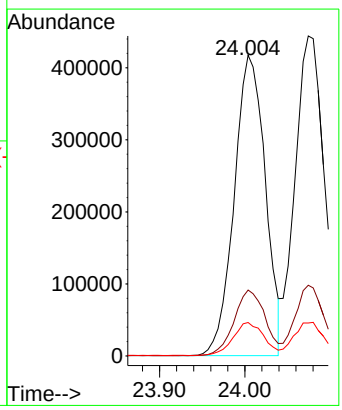


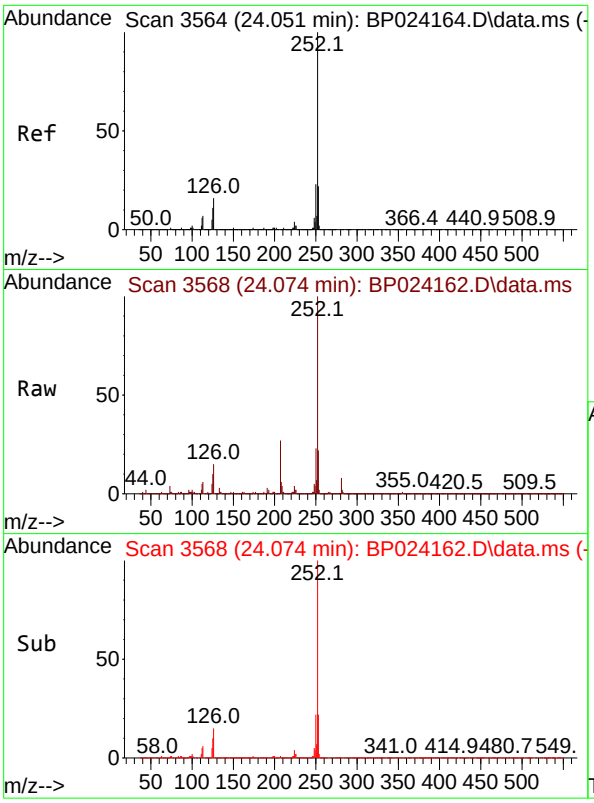


#88
Benzo(b)fluoranthene
Concen: 8.789 ng
RT: 24.004 min Scan# 3556
Delta R.T. 0.024 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:252 Resp: 1057737

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	11.1	8.2	12.4



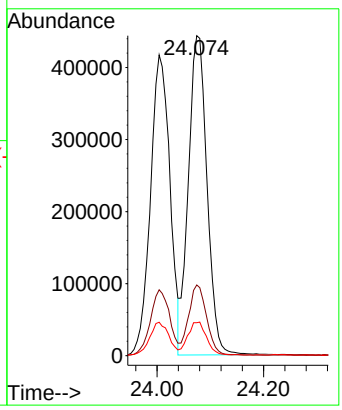


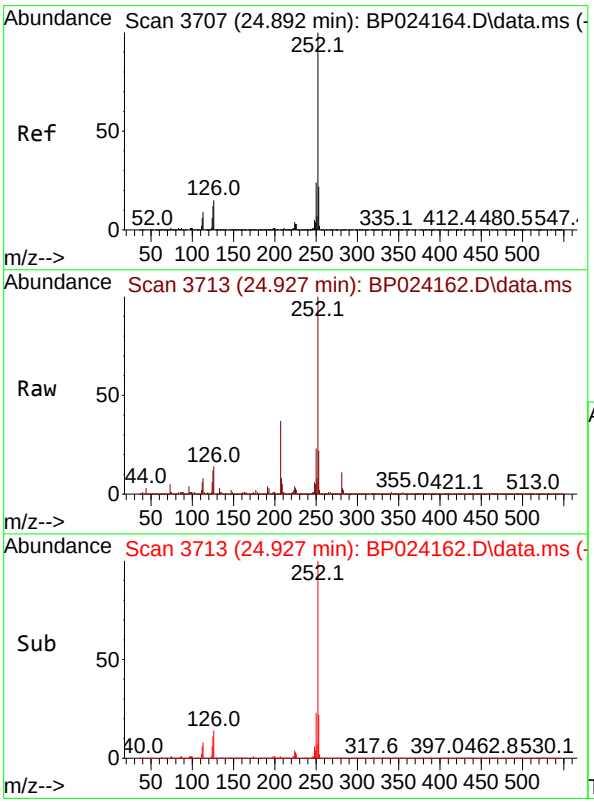
#89
Benzo(k)fluoranthene
Concen: 9.190 ng
RT: 24.074 min Scan# 3
Delta R.T. 0.024 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:252 Resp: 1076560

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	10.3	9.1	13.7

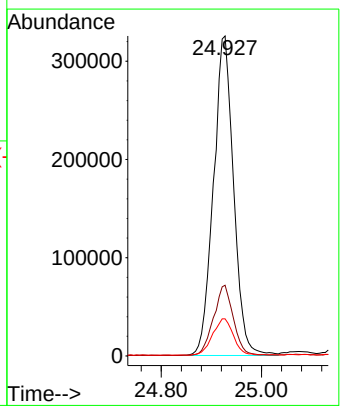


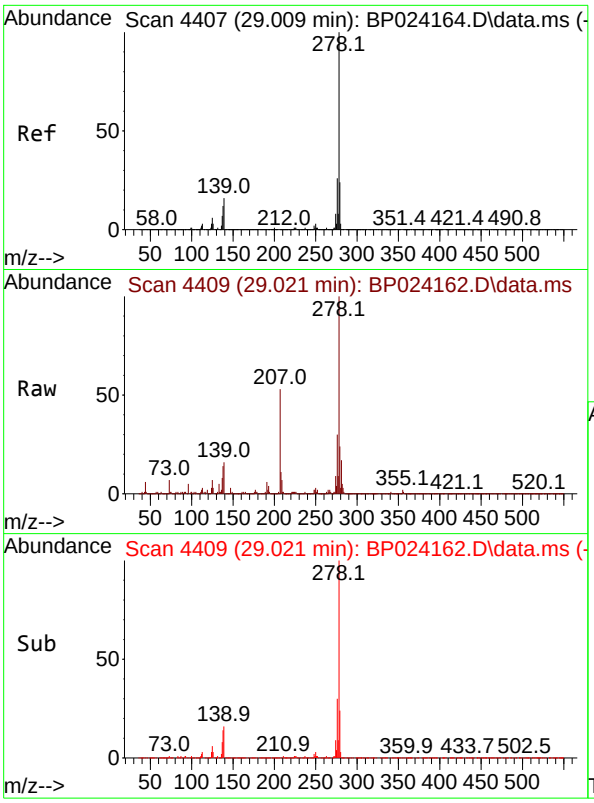


#90
Benzo(a)pyrene
Concen: 8.896 ng
RT: 24.927 min Scan# 3713
Delta R.T. 0.035 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:252 Resp: 908542

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.0
125	11.6	9.6	14.4



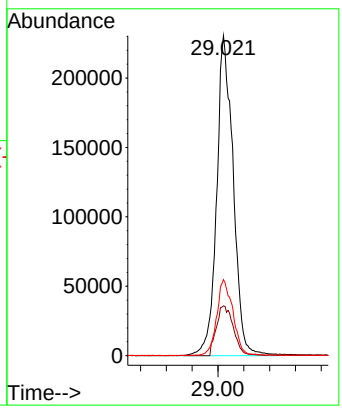


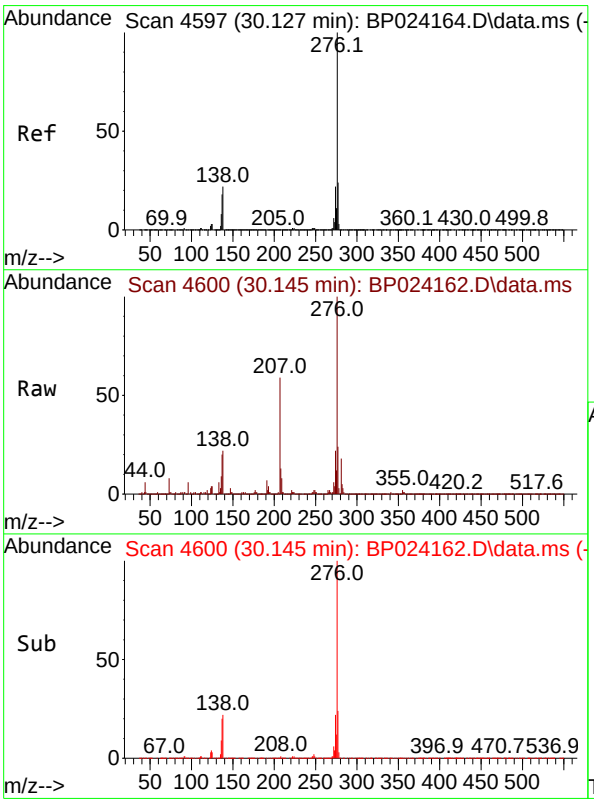
#91
Dibenzo(a,h)anthracene
Concen: 9.052 ng
RT: 29.021 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 1026140

Ion	Ratio	Lower	Upper
278	100		
139	15.6	13.0	19.4
279	23.7	18.8	28.2

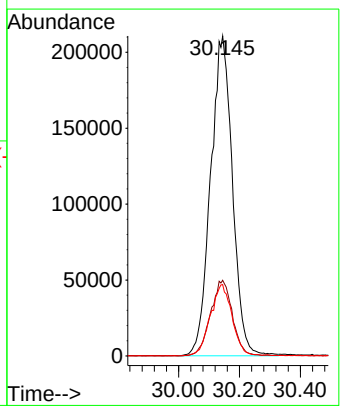




#92
Benzo(g,h,i)perylene
Concen: 9.121 ng
RT: 30.145 min Scan# 4600
Delta R.T. 0.018 min
Lab File: BP024162.D
Acq: 12 Mar 2025 17:38

Tgt Ion:276 Resp: 1049241

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.2	28.8
138	22.3	17.4	26.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024163.D
Acq On : 12 Mar 2025 18:19
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Quant Time: Mar 13 04:07:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.775	152	353514	20.000	ng		0.00
21) Naphthalene-d8	10.545	136	1479701	20.000	ng		0.00
39) Acenaphthene-d10	14.398	164	895871	20.000	ng		0.00
64) Phenanthrene-d10	17.204	188	1698224	20.000	ng		0.00
76) Chrysene-d12	21.657	240	1778727	20.000	ng		0.00
86) Perylene-d12	25.062	264	1914395	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.381	112	924270	40.796	ng		0.00
7) Phenol-d6	6.952	99	1235081	42.415	ng		0.00
23) Nitrobenzene-d5	8.916	82	1081750	40.785	ng		0.00
42) 2,4,6-Tribromophenol	15.922	330	459354	41.861	ng		0.00
45) 2-Fluorobiphenyl	13.016	172	2543735	39.695	ng		0.00
79) Terphenyl-d14	19.927	244	3676388	40.898	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.316	88	183072	20.599	ng		99
3) Pyridine	3.716	79	496891	21.504	ng		99
4) n-Nitrosodimethylamine	3.622	42	168162	20.517	ng		96
6) Aniline	7.104	93	585428	21.953	ng		99
8) 2-Chlorophenol	7.340	128	499424	20.827	ng		99
9) Benzaldehyde	6.922	77	328740	24.728	ng		99
10) Phenol	6.975	94	619974	21.173	ng		100
11) bis(2-Chloroethyl)ether	7.199	93	497357	21.565	ng		100
12) 1,3-Dichlorobenzene	7.663	146	537900	20.418	ng		99
13) 1,4-Dichlorobenzene	7.804	146	552358	20.733	ng		99
14) 1,2-Dichlorobenzene	8.122	146	528080	20.654	ng		99
15) Benzyl Alcohol	8.004	79	387410	21.735	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.287	45	506774	22.636	ng		97
17) 2-Methylphenol	8.210	107	395947	22.190	ng		99
18) Hexachloroethane	8.846	117	193543	20.172	ng		98
19) n-Nitroso-di-n-propyla...	8.569	70	370486	23.663	ng		100
20) 3+4-Methylphenols	8.534	107	541047	22.289	ng		98
22) Acetophenone	8.587	105	786239	20.677	ng	#	100
24) Nitrobenzene	8.963	77	535855	20.529	ng		99
25) Isophorone	9.487	82	933509	21.523	ng		99
26) 2-Nitrophenol	9.669	139	246943	20.534	ng		99
27) 2,4-Dimethylphenol	9.728	122	325916	20.646	ng		100
28) bis(2-Chloroethoxy)met...	9.957	93	648792	20.649	ng		100
29) 2,4-Dichlorophenol	10.204	162	440705	20.457	ng		99
30) 1,2,4-Trichlorobenzene	10.416	180	486293	19.702	ng		99
31) Naphthalene	10.598	128	1625925	20.436	ng		99
32) Benzoic acid	9.845	122	280702	19.396	ng		99
33) 4-Chloroaniline	10.704	127	588052	20.980	ng		99
34) Hexachlorobutadiene	10.887	225	276905	19.369	ng		98
35) Caprolactam	11.487	113	143023	21.924	ng		98
36) 4-Chloro-3-methylphenol	11.839	107	479996	21.674	ng		99
37) 2-Methylnaphthalene	12.210	142	1090957	20.630	ng		98
38) 1-Methylnaphthalene	12.434	142	1077045	20.936	ng		99
40) 1,2,4,5-Tetrachloroben...	12.581	216	533843	19.394	ng		100
41) Hexachlorocyclopentadiene	12.563	237	191514	18.697	ng		99
43) 2,4,6-Trichlorophenol	12.822	196	339357	20.216	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024163.D
Acq On : 12 Mar 2025 18:19
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Quant Time: Mar 13 04:07:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.904	196	370561	20.184	ng		98
46) 1,1'-Biphenyl	13.228	154	1402874	20.152	ng		99
47) 2-Chloronaphthalene	13.269	162	1056861	20.083	ng		99
48) 2-Nitroaniline	13.469	65	268455	21.595	ng		98
49) Acenaphthylene	14.122	152	1590772	20.517	ng		100
50) Dimethylphthalate	13.857	163	1306638	20.677	ng		99
51) 2,6-Dinitrotoluene	13.969	165	271891	21.122	ng		97
52) Acenaphthene	14.469	154	1017503	20.379	ng		99
53) 3-Nitroaniline	14.304	138	293921	21.397	ng		97
54) 2,4-Dinitrophenol	14.516	184	130759	19.074	ng		99
55) Dibenzofuran	14.810	168	1643604	20.264	ng		99
56) 4-Nitrophenol	14.628	139	242843	20.466	ng		99
57) 2,4-Dinitrotoluene	14.769	165	358405	21.433	ng		97
58) Fluorene	15.469	166	1291744	20.392	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.039	232	326758	20.514	ng		99
60) Diethylphthalate	15.233	149	1287503	20.524	ng		99
61) 4-Chlorophenyl-phenyle...	15.469	204	623454	19.996	ng		99
62) 4-Nitroaniline	15.486	138	311347	21.841	ng		99
63) Azobenzene	15.763	77	1226441	20.864	ng		99
65) 4,6-Dinitro-2-methylph...	15.551	198	188346	19.162	ng		97
66) n-Nitrosodiphenylamine	15.680	169	1068735	20.181	ng		100
67) 4-Bromophenyl-phenylether	16.375	248	377534	19.797	ng		99
68) Hexachlorobenzene	16.498	284	447016	19.921	ng		96
69) Atrazine	16.657	200	265940	19.568	ng		99
70) Pentachlorophenol	16.851	266	282344	19.373	ng		99
71) Phenanthrene	17.251	178	1911548	19.965	ng		99
72) Anthracene	17.345	178	1870471	20.386	ng		100
73) Carbazole	17.622	167	1799842	20.589	ng		100
74) Di-n-butylphthalate	18.210	149	2118089	20.765	ng		100
75) Fluoranthene	19.327	202	2186012	20.186	ng		99
77) Benzidine	19.527	184	317361	14.642	ng		99
78) Pyrene	19.704	202	2310992	20.454	ng		100
80) Butylbenzylphthalate	20.657	149	912738	21.082	ng		99
81) Benzo(a)anthracene	21.639	228	2295776	20.583	ng		99
82) 3,3'-Dichlorobenzidine	21.557	252	762665	21.882	ng		100
83) Chrysene	21.704	228	2177924	20.250	ng		99
84) Bis(2-ethylhexyl)phtha...	21.574	149	1395096	21.249	ng		99
85) Di-n-octyl phthalate	22.874	149	2177750	20.752	ng		100
87) Indeno(1,2,3-cd)pyrene	28.939	276	2721144	19.980	ng	#	92
88) Benzo(b)fluoranthene	23.980	252	2407773	19.806	ng		100
89) Benzo(k)fluoranthene	24.051	252	2322149	19.624	ng		99
90) Benzo(a)pyrene	24.892	252	2038106	19.755	ng		99
91) Dibenzo(a,h)anthracene	28.997	278	2267016	19.797	ng		99
92) Benzo(g,h,i)perylene	30.127	276	2294574	19.746	ng		100

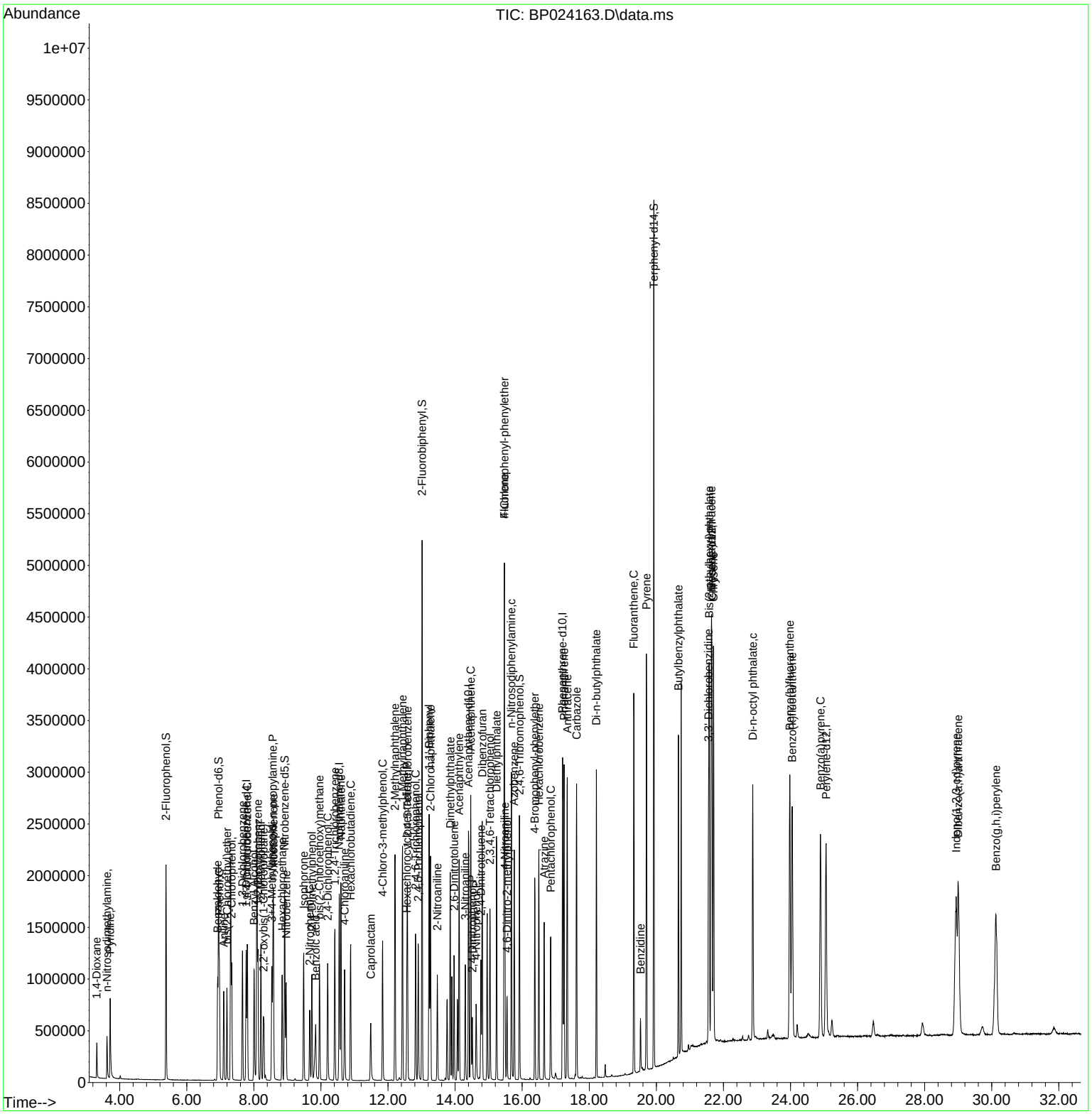
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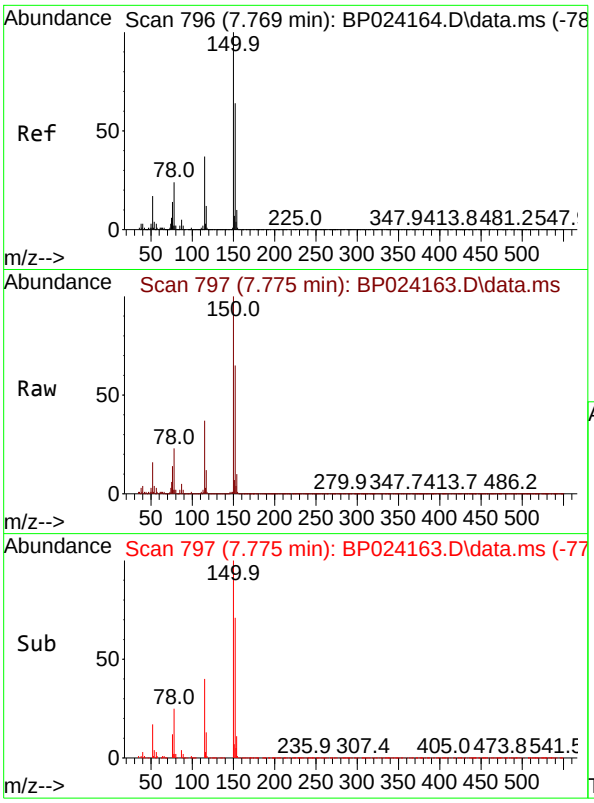
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024163.D
Acq On : 12 Mar 2025 18:19
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Quant Time: Mar 13 04:07:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration



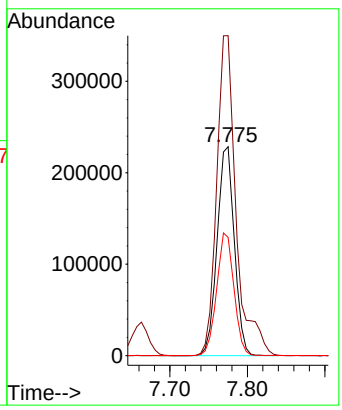


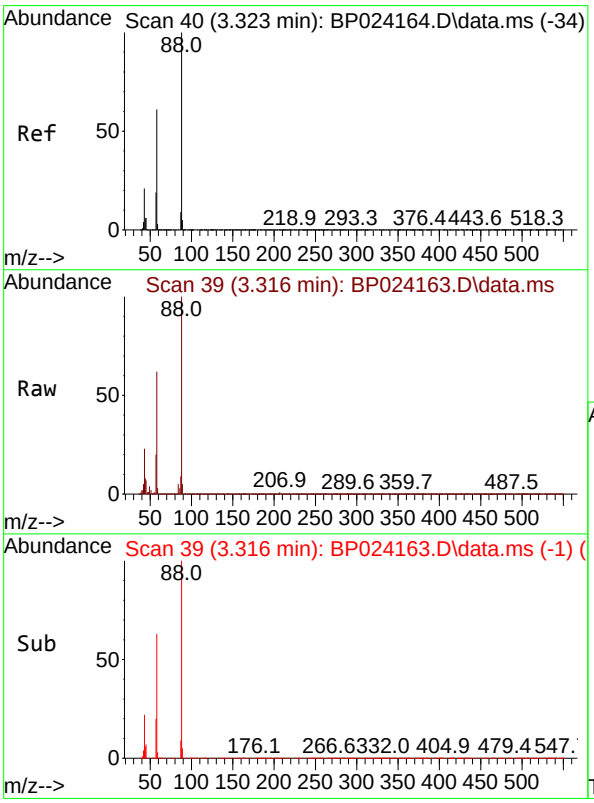
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 353514

Ion	Ratio	Lower	Upper
152	100		
150	153.2	125.5	188.3
115	56.6	46.3	69.5

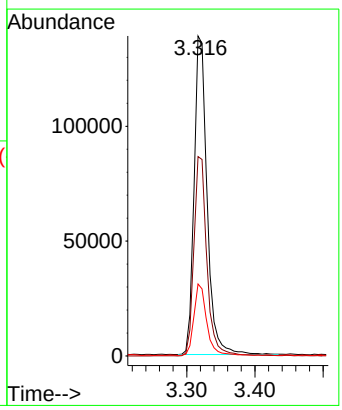


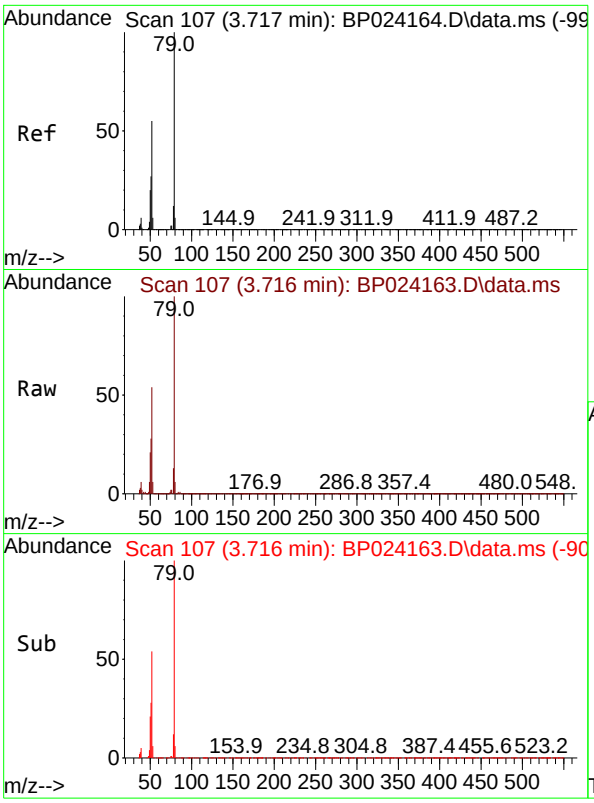


#2
1,4-Dioxane
Concen: 20.599 ng
RT: 3.316 min Scan# 39
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion: 88 Resp: 183072

Ion	Ratio	Lower	Upper
88	100		
58	62.8	49.8	74.6
43	21.9	17.3	25.9



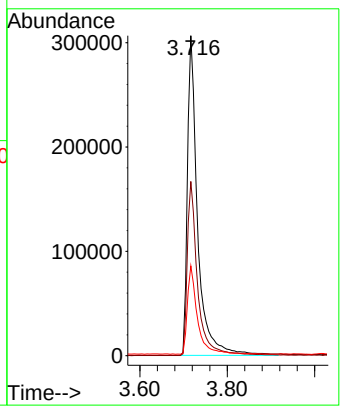


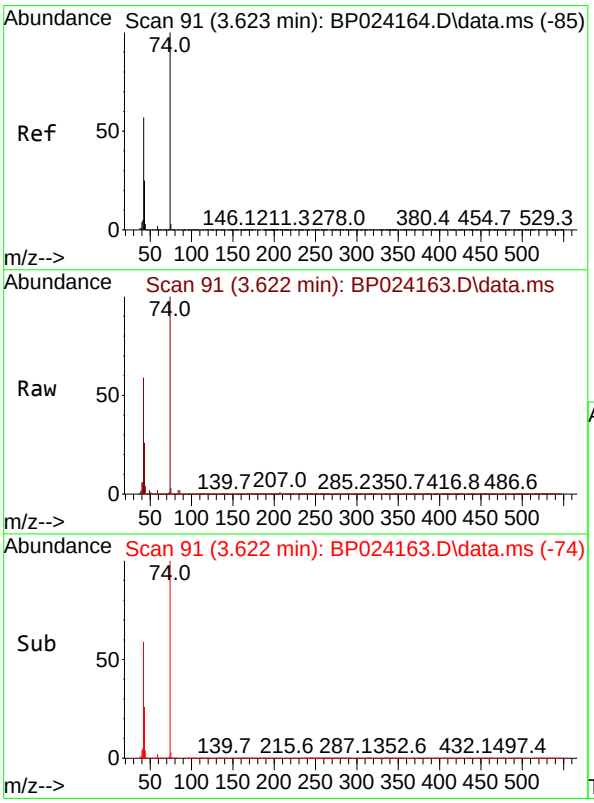
#3
Pyridine
Concen: 21.504 ng
RT: 3.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 496891

Ion	Ratio	Lower	Upper
79	100		
52	54.5	43.8	65.8
51	28.0	21.6	32.4

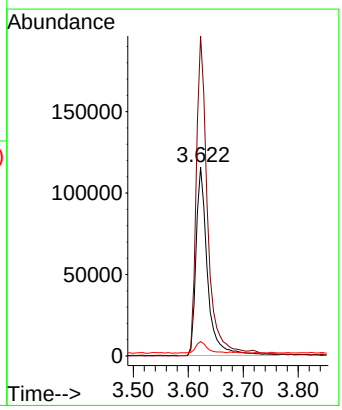


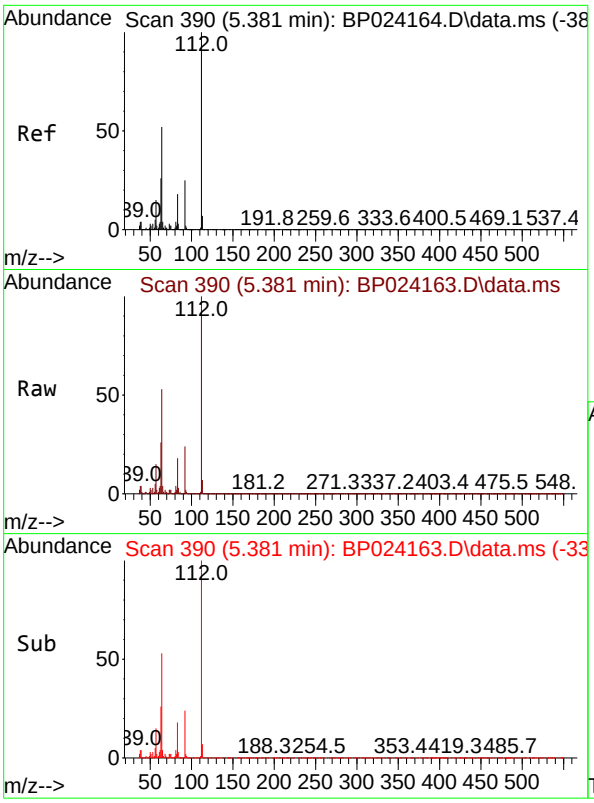


#4
n-Nitrosodimethylamine
Concen: 20.517 ng
RT: 3.622 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion: 42 Resp: 168162

Ion	Ratio	Lower	Upper
42	100		
74	169.5	139.8	209.6
44	7.6	5.3	7.9



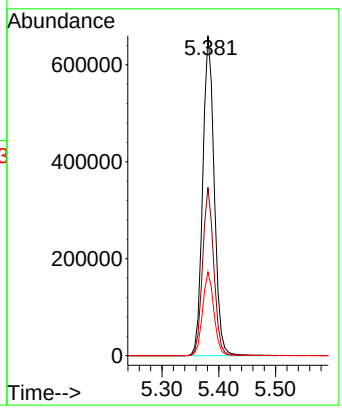


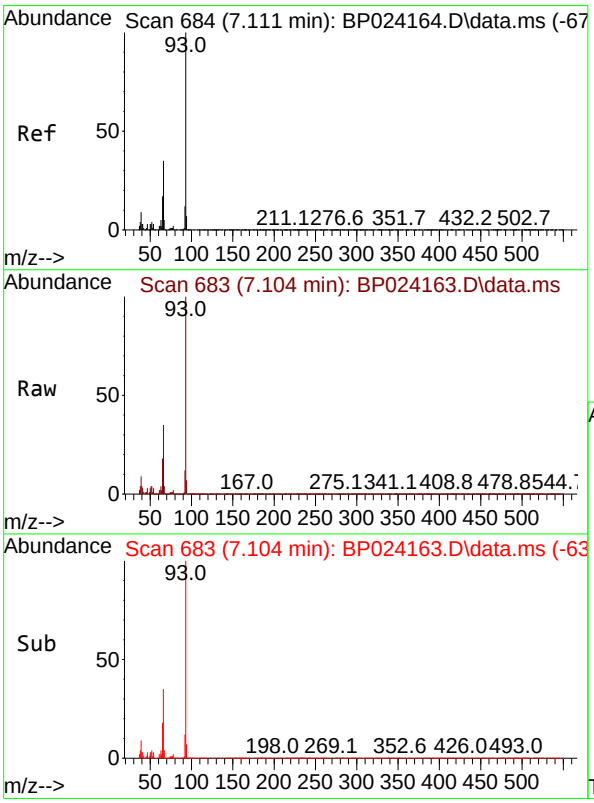
#5
2-Fluorophenol
Concen: 40.796 ng
RT: 5.381 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 924270

Ion	Ratio	Lower	Upper
112	100		
64	52.6	41.3	61.9
63	26.2	20.6	31.0

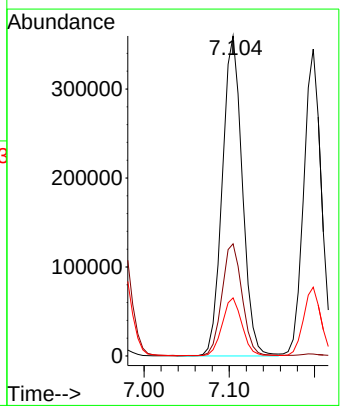


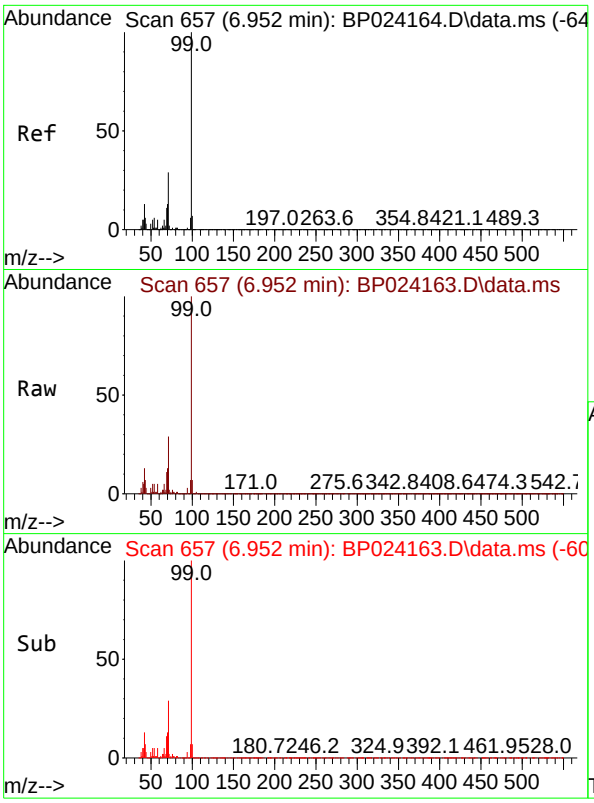


#6
Aniline
Concen: 21.953 ng
RT: 7.104 min Scan# 683
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion: 93 Resp: 585428

Ion	Ratio	Lower	Upper
93	100		
66	35.0	28.2	42.2
65	18.1	14.0	21.0



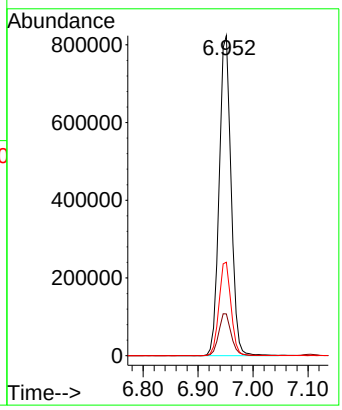


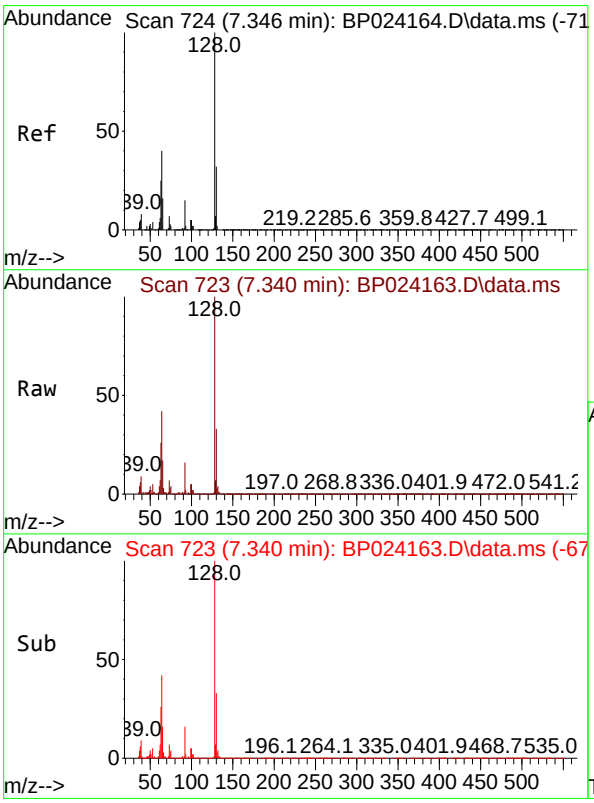
#7
Phenol-d6
Concen: 42.415 ng
RT: 6.952 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 1235081

Ion	Ratio	Lower	Upper
99	100		
42	13.1	10.6	16.0
71	29.2	23.3	34.9

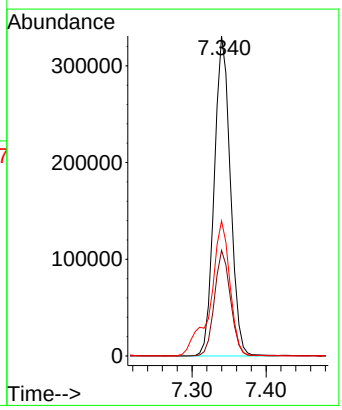


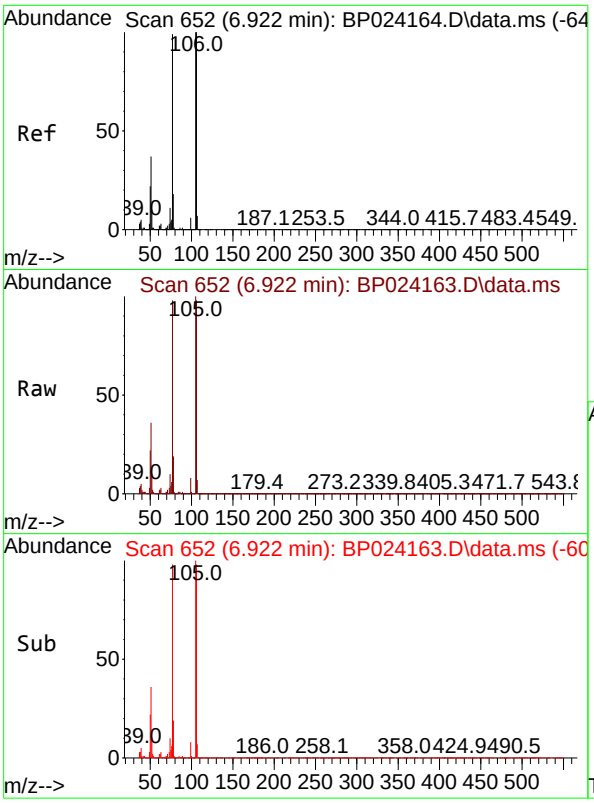


#8
2-Chlorophenol
Concen: 20.827 ng
RT: 7.340 min Scan# 723
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:128 Resp: 499424

Ion	Ratio	Lower	Upper
128	100		
130	33.0	12.0	52.0
64	42.2	21.6	61.6



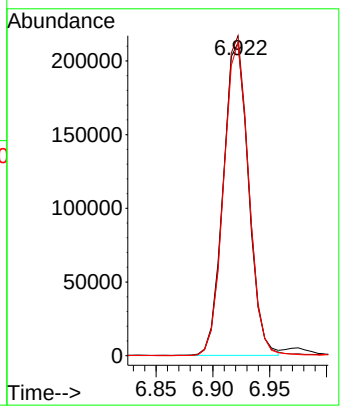


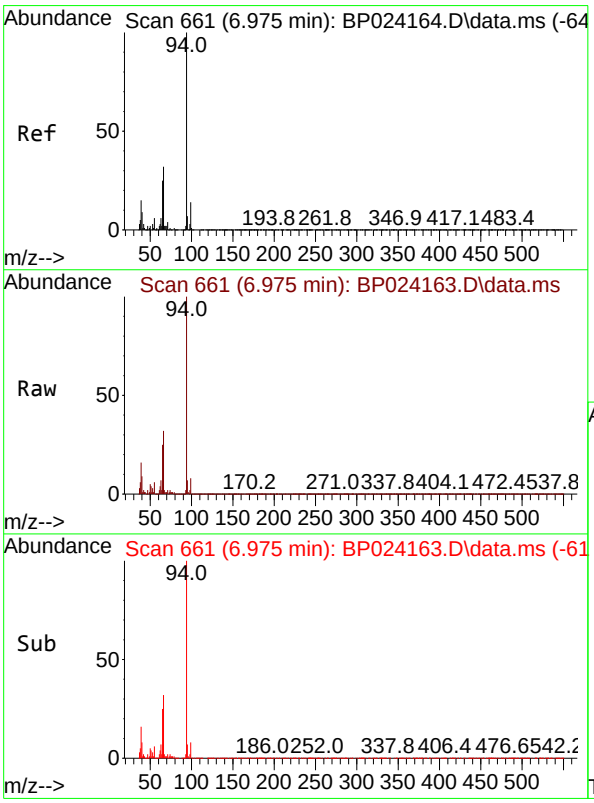
#9
Benzaldehyde
Concen: 24.728 ng
RT: 6.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 328740

Ion	Ratio	Lower	Upper
77	100		
105	102.3	81.4	121.4
106	100.0	81.1	121.1

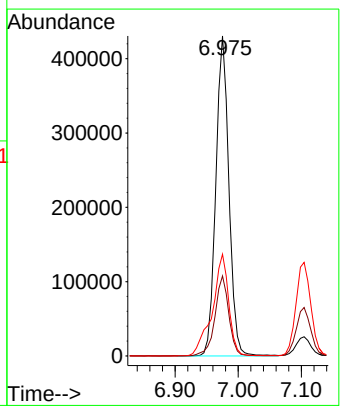


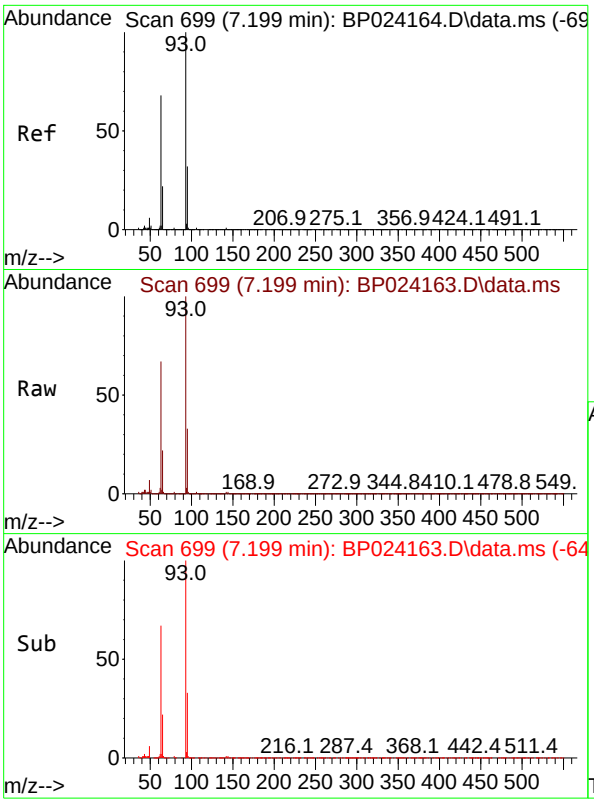


#10
Phenol
Concen: 21.173 ng
RT: 6.975 min Scan# 661
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion: 94 Resp: 619974

Ion	Ratio	Lower	Upper
94	100		
65	25.0	4.9	44.9
66	31.8	11.9	51.9



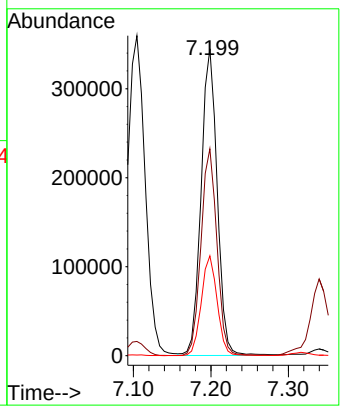


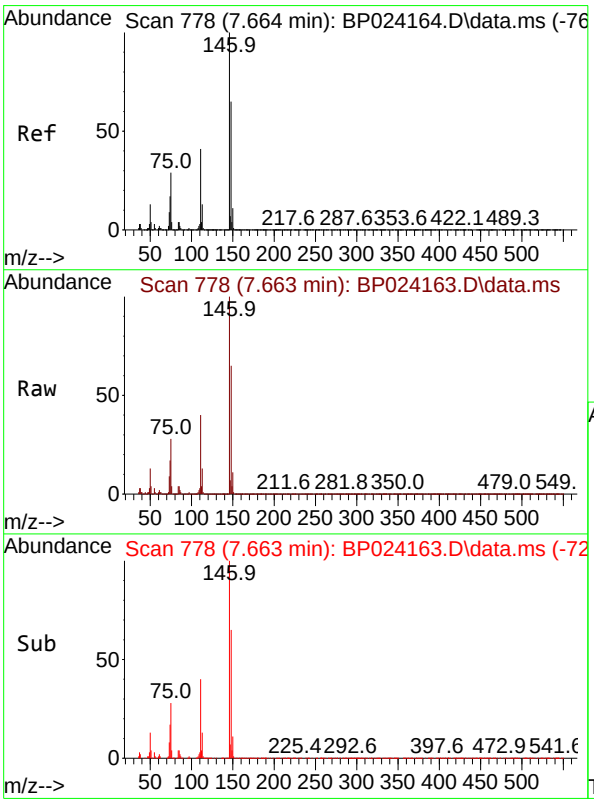
#11
bis(2-Chloroethyl)ether
Concen: 21.565 ng
RT: 7.199 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 497357

Ion	Ratio	Lower	Upper
93	100		
63	67.4	47.4	87.4
95	32.6	12.1	52.1

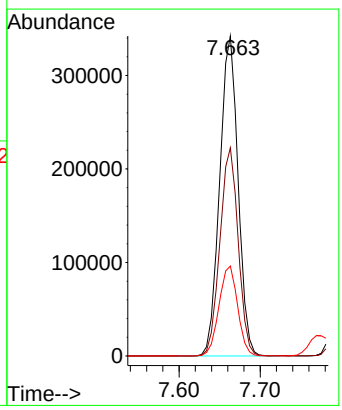


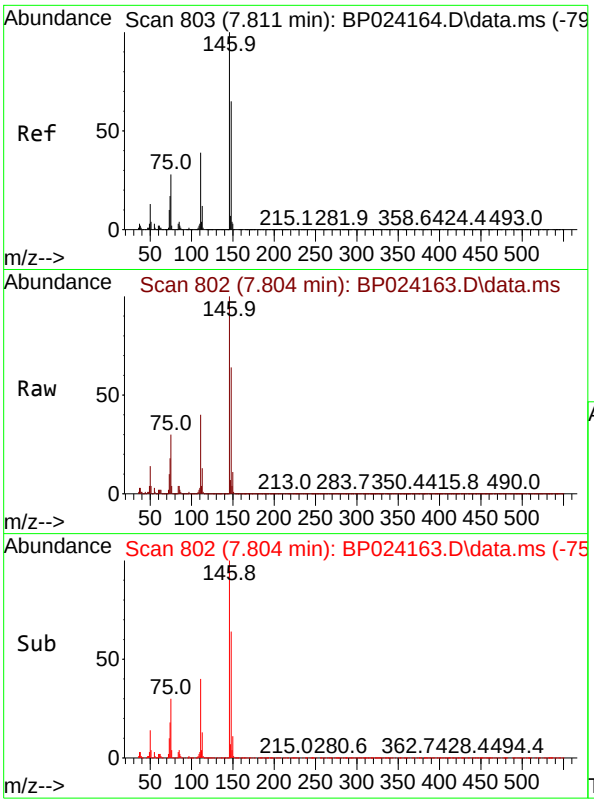


#12
1,3-Dichlorobenzene
Concen: 20.418 ng
RT: 7.663 min Scan# 778
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:146 Resp: 537900

Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.6	77.4
75	28.1	22.8	34.2



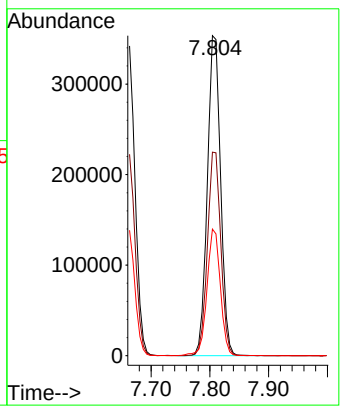


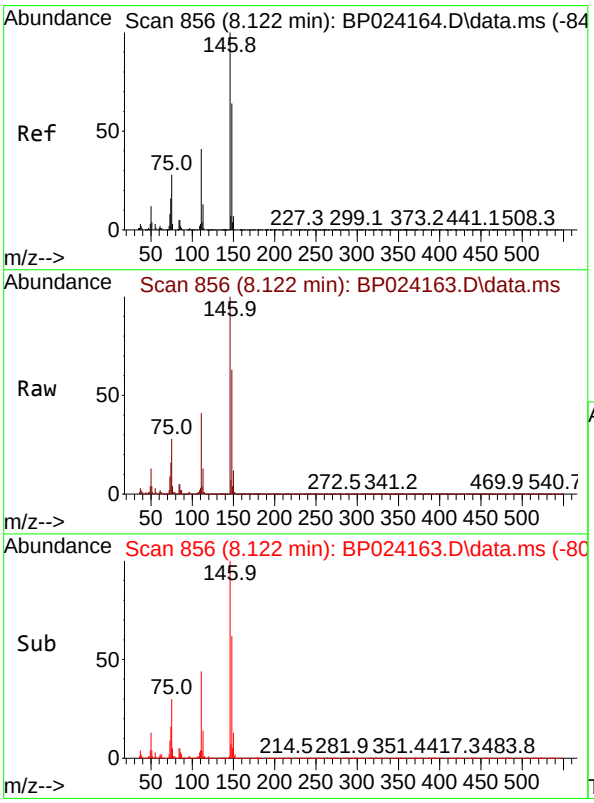
#13
1,4-Dichlorobenzene
Concen: 20.733 ng
RT: 7.804 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 552358

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.9	77.9
111	39.5	31.4	47.2

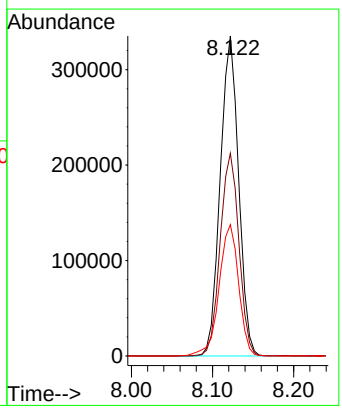


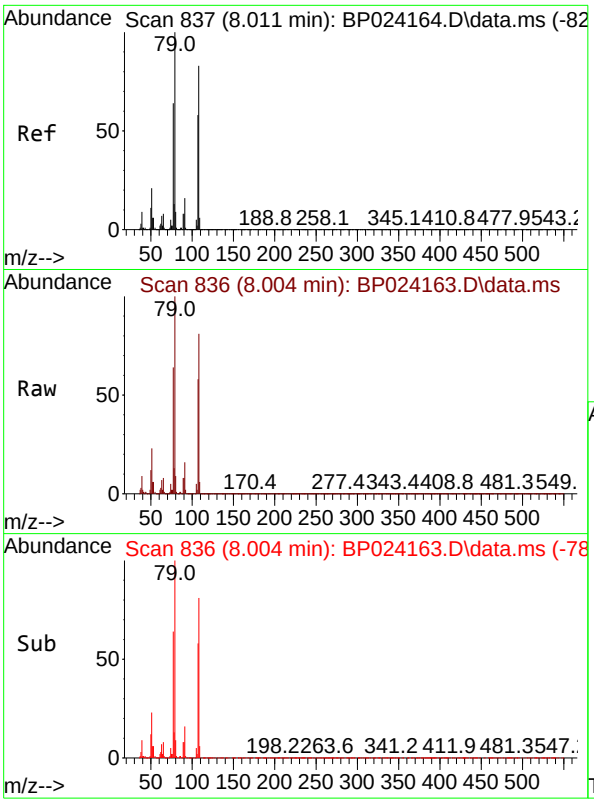


#14
1,2-Dichlorobenzene
Concen: 20.654 ng
RT: 8.122 min Scan# 856
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:146 Resp: 528080

Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.4	77.2
111	41.0	33.2	49.8



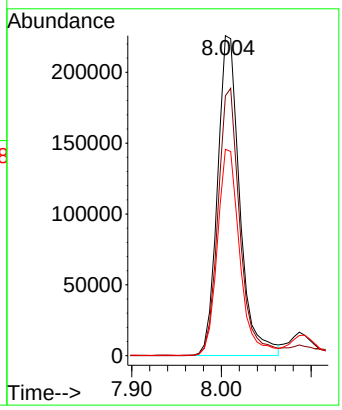


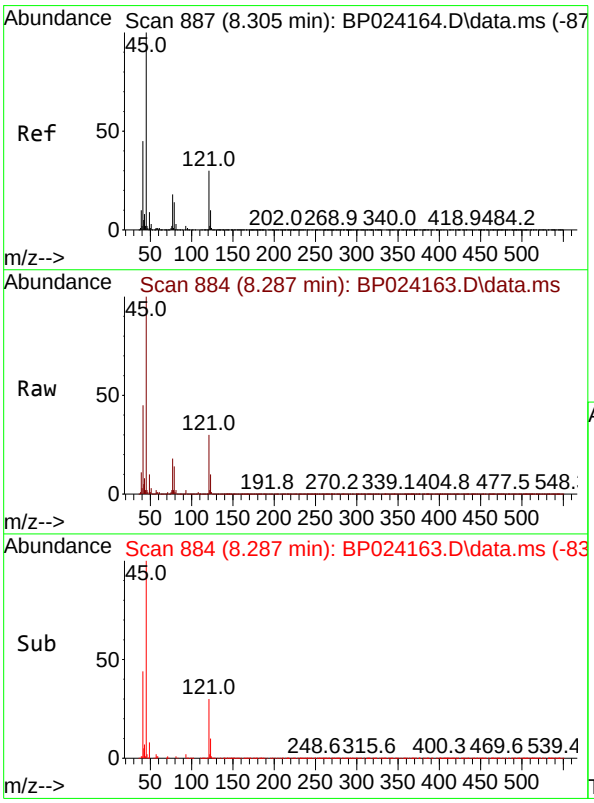
#15
Benzyl Alcohol
Concen: 21.735 ng
RT: 8.004 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 387410

Ion	Ratio	Lower	Upper
79	100		
108	81.2	66.5	99.7
77	64.5	50.9	76.3

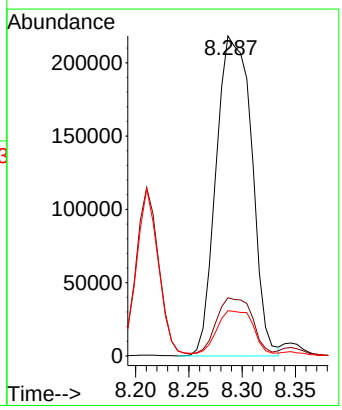


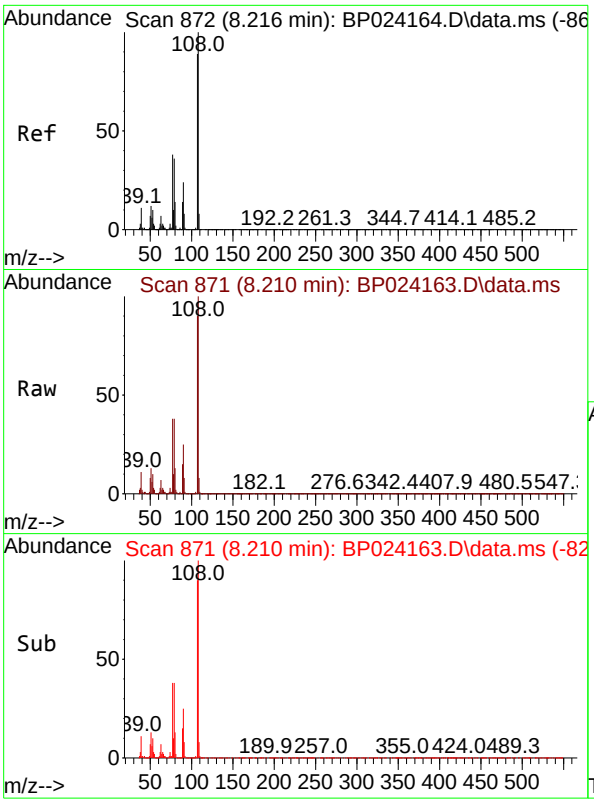


#16
2,2'-oxybis(1-Chloropropane)
Concen: 22.636 ng
RT: 8.287 min Scan# 884
Delta R.T. -0.018 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion: 45 Resp: 506774

Ion	Ratio	Lower	Upper
45	100		
77	18.2	0.0	39.0
79	14.1	0.0	35.6



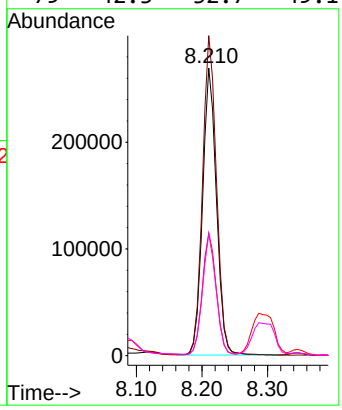


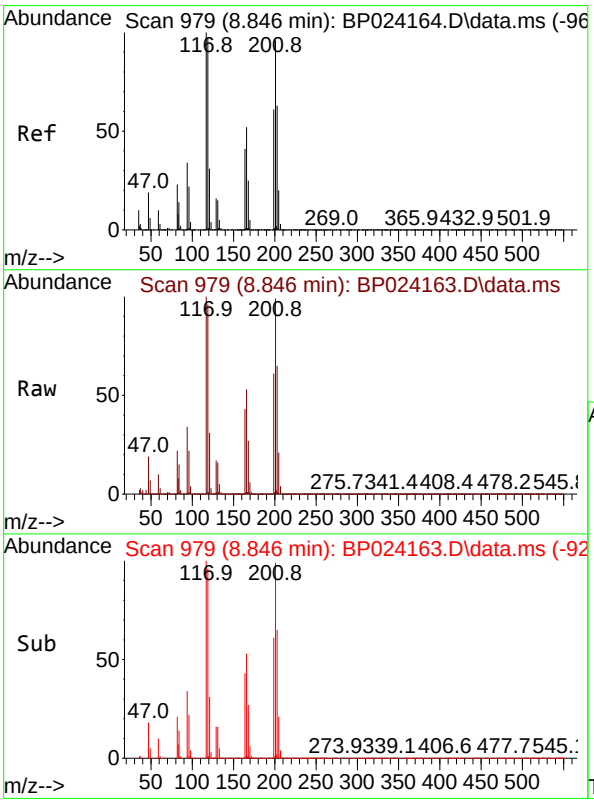
#17
2-Methylphenol
Concen: 22.190 ng
RT: 8.210 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 395947

Ion	Ratio	Lower	Upper
107	100		
108	111.2	90.0	135.0
77	42.6	34.0	51.0
79	42.3	32.7	49.1

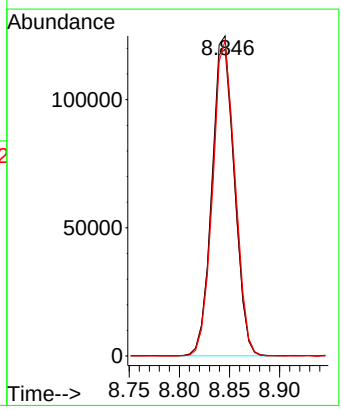


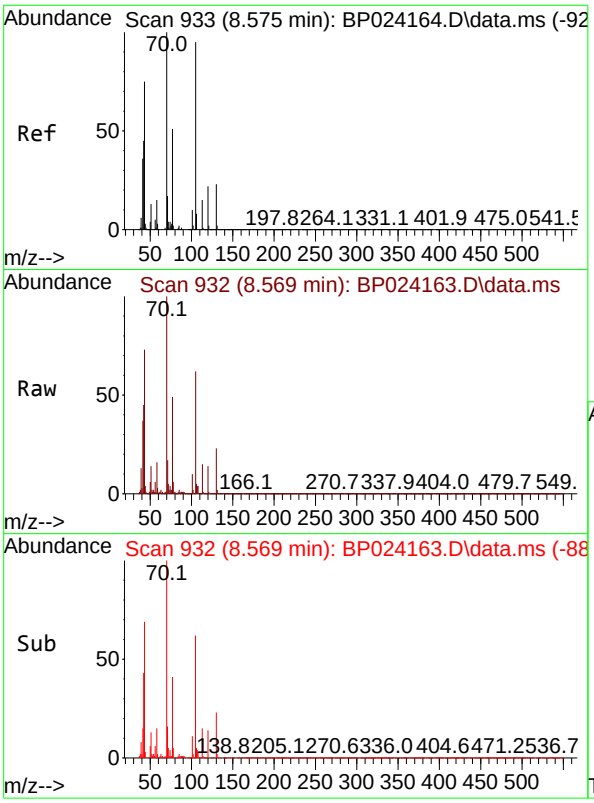


#18
Hexachloroethane
Concen: 20.172 ng
RT: 8.846 min Scan# 979
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:117 Resp: 193543

Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.4	116.0
201	98.5	76.6	114.8



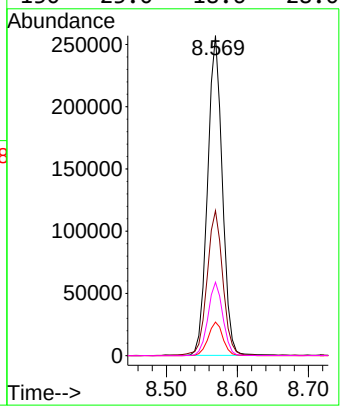


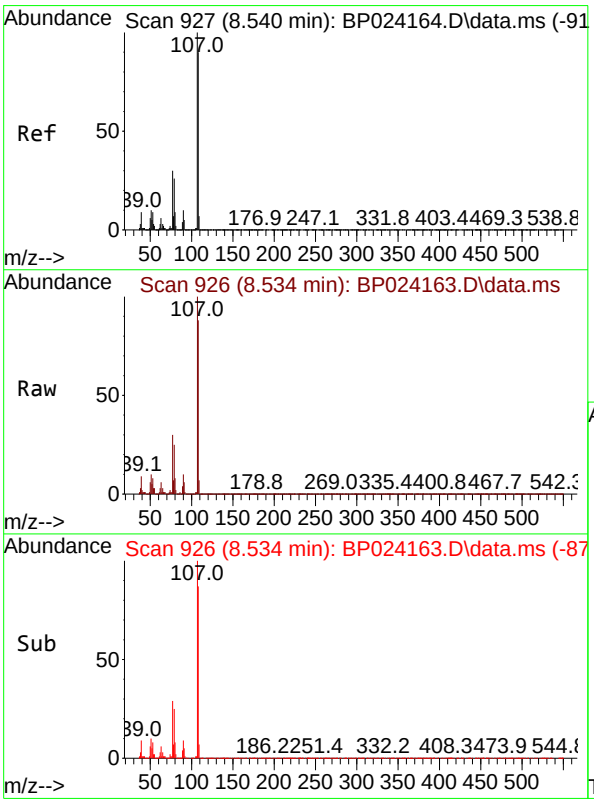
#19
n-Nitroso-di-n-propylamine
Concen: 23.663 ng
RT: 8.569 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 370486

Ion	Ratio	Lower	Upper
70	100		
42	45.3	36.0	54.0
101	10.5	8.3	12.5
130	23.0	18.6	28.0

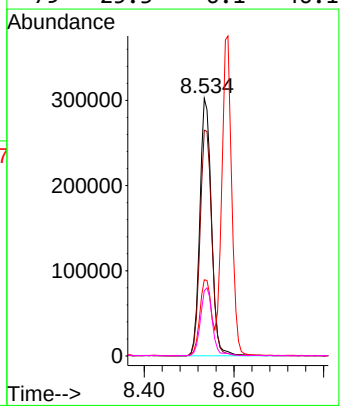


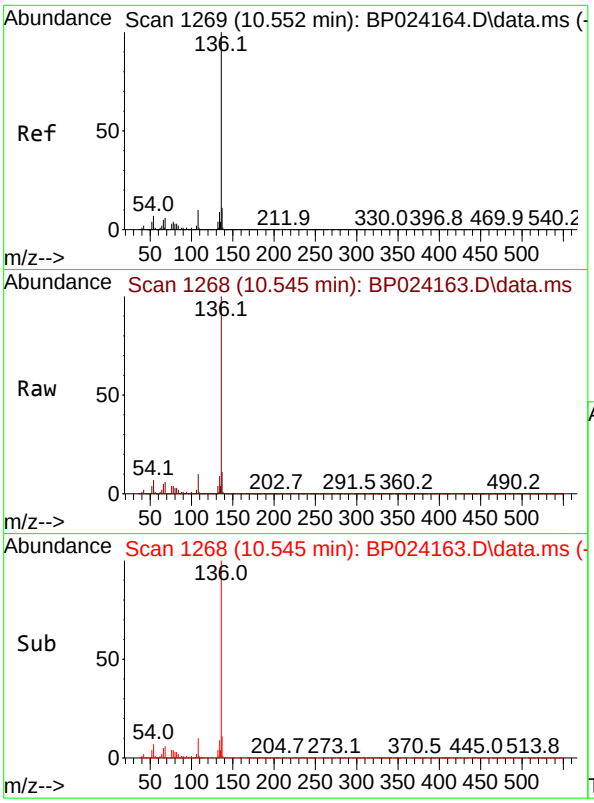


#20
3+4-Methylphenols
Concen: 22.289 ng
RT: 8.534 min Scan# 926
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:107 Resp: 541047

Ion	Ratio	Lower	Upper
107	100		
108	87.6	69.7	109.7
77	29.6	10.3	50.3
79	25.3	6.1	46.1



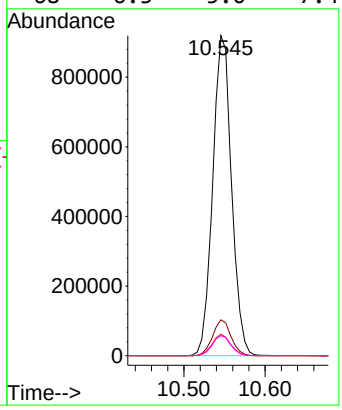


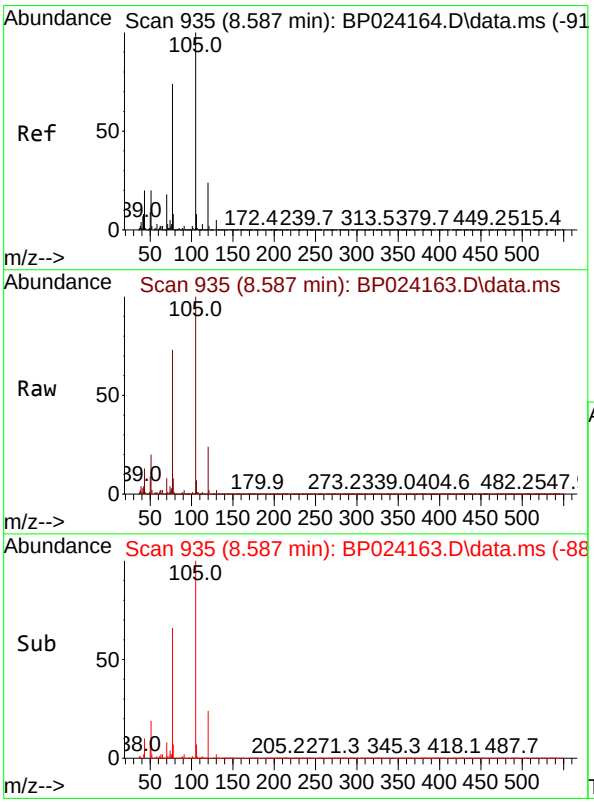
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.545 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 1479701

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	6.7	5.3	7.9
68	6.3	5.0	7.4

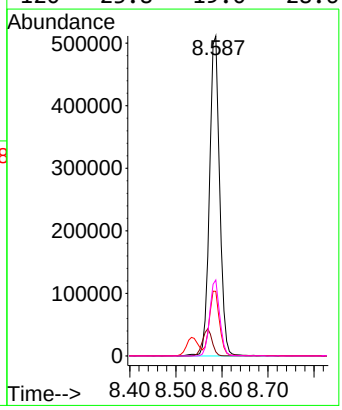


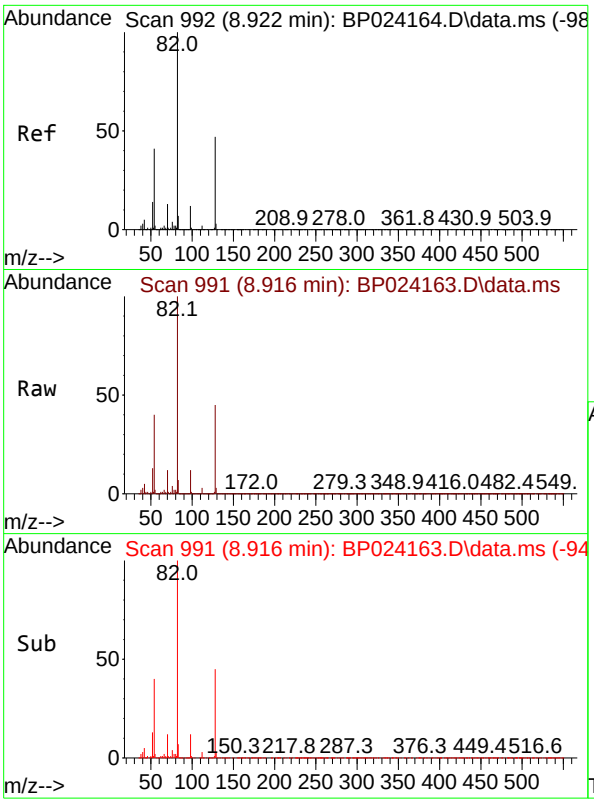


#22
Acetophenone
Concen: 20.677 ng
RT: 8.587 min Scan# 935
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:105 Resp: 786239

Ion	Ratio	Lower	Upper
105	100		
71	1.3	2.4	3.6#
51	20.2	16.2	24.2
120	23.8	19.0	28.6



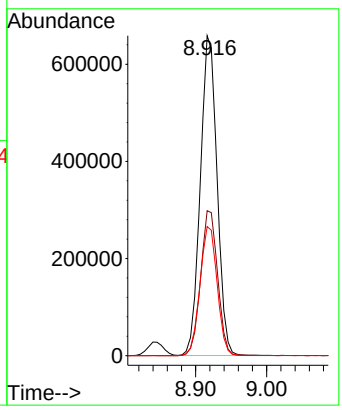


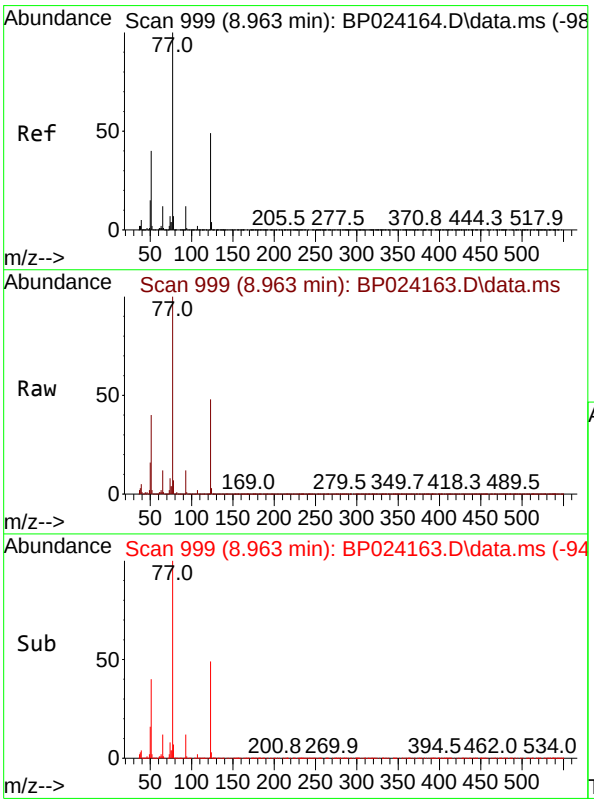
#23
Nitrobenzene-d5
Concen: 40.785 ng
RT: 8.916 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 1081750

Ion	Ratio	Lower	Upper
82	100		
128	45.3	37.4	56.0
54	40.3	32.5	48.7

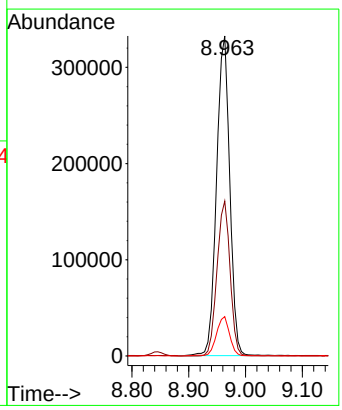


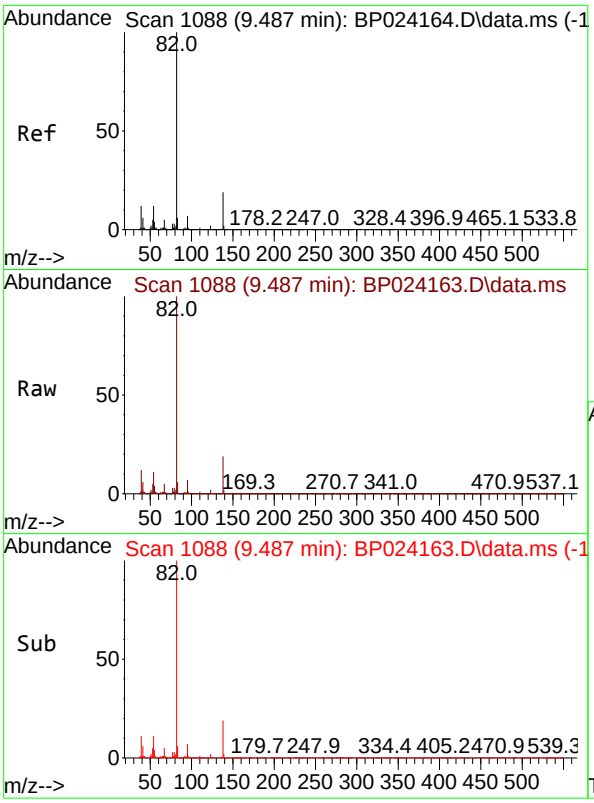


#24
Nitrobenzene
Concen: 20.529 ng
RT: 8.963 min Scan# 999
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion: 77 Resp: 535855

Ion	Ratio	Lower	Upper
77	100		
123	48.4	39.4	59.2
65	12.3	9.9	14.9



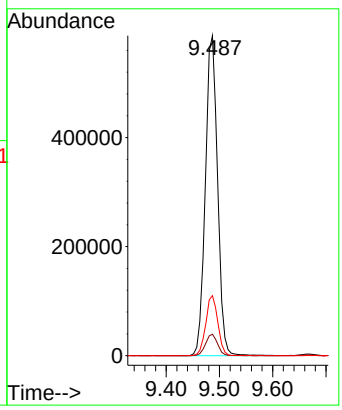


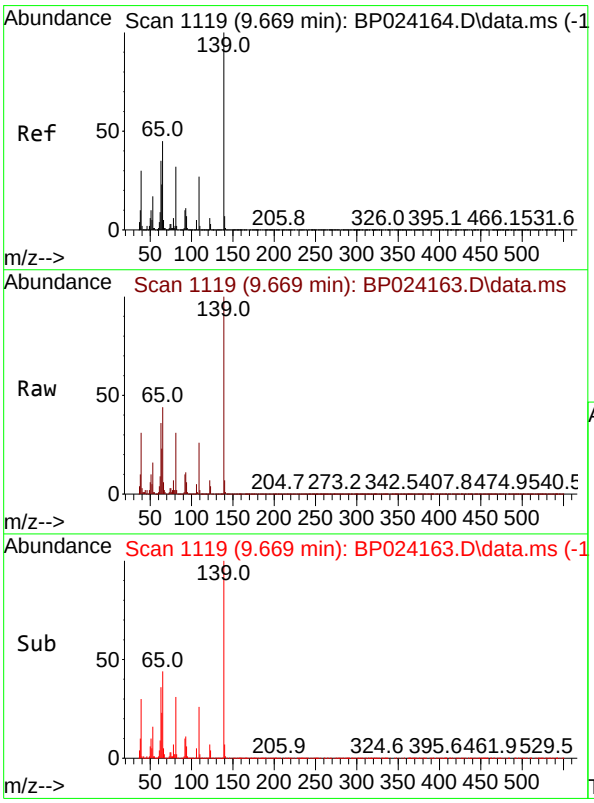
#25
Isophorone
Concen: 21.523 ng
RT: 9.487 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 933509

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.3	7.9
138	18.8	14.8	22.2

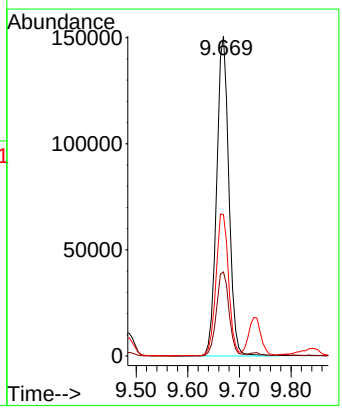


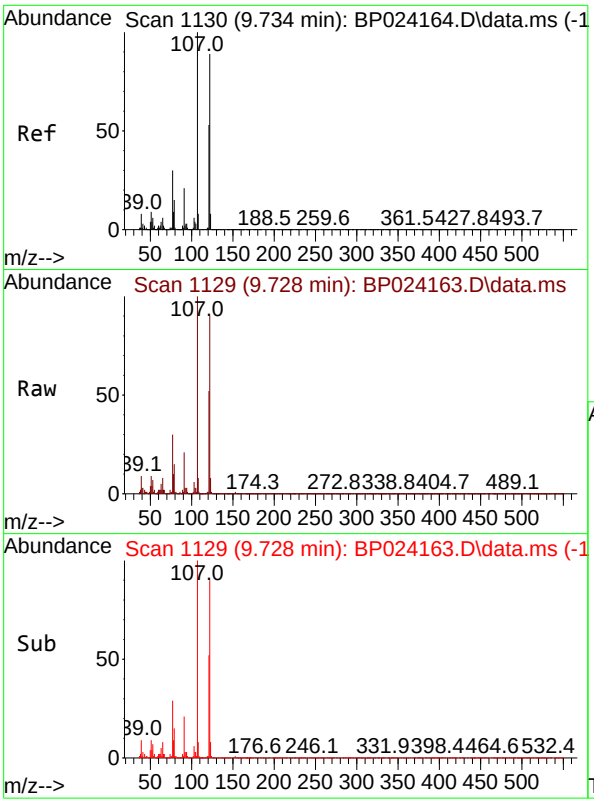


#26
2-Nitrophenol
Concen: 20.534 ng
RT: 9.669 min Scan# 1119
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:139 Resp: 246943

Ion	Ratio	Lower	Upper
139	100		
109	26.2	21.7	32.5
65	44.2	35.8	53.8



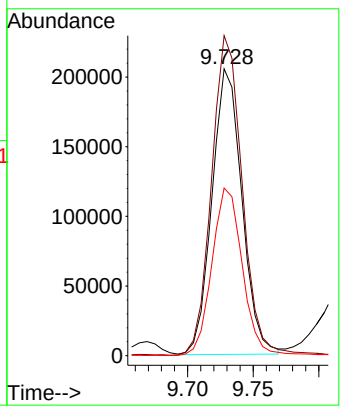


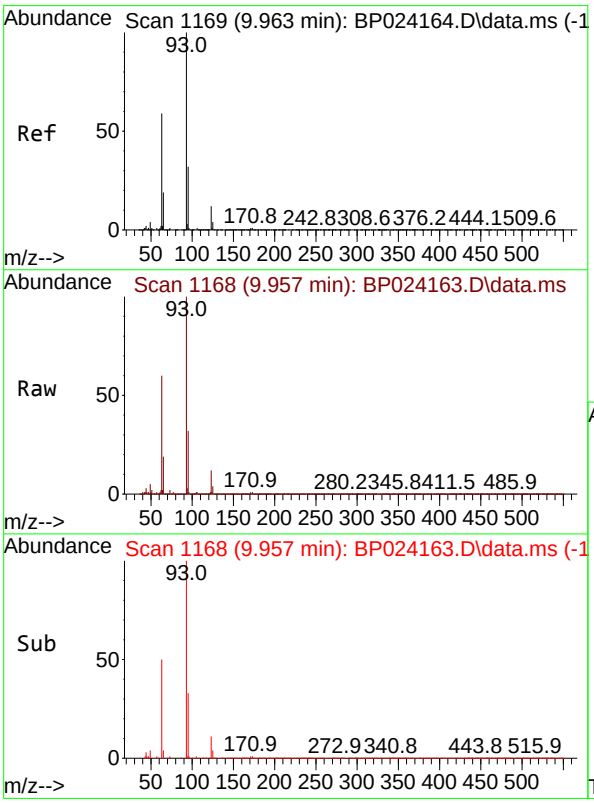
#27
2,4-Dimethylphenol
Concen: 20.646 ng
RT: 9.728 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 325916

Ion	Ratio	Lower	Upper
122	100		
107	111.6	89.3	133.9
121	58.5	47.5	71.3

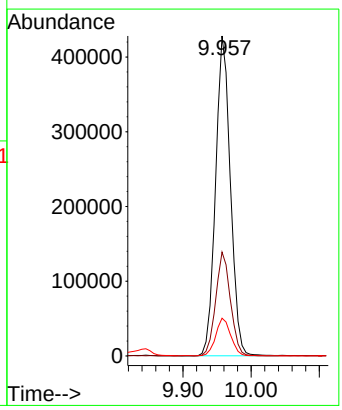


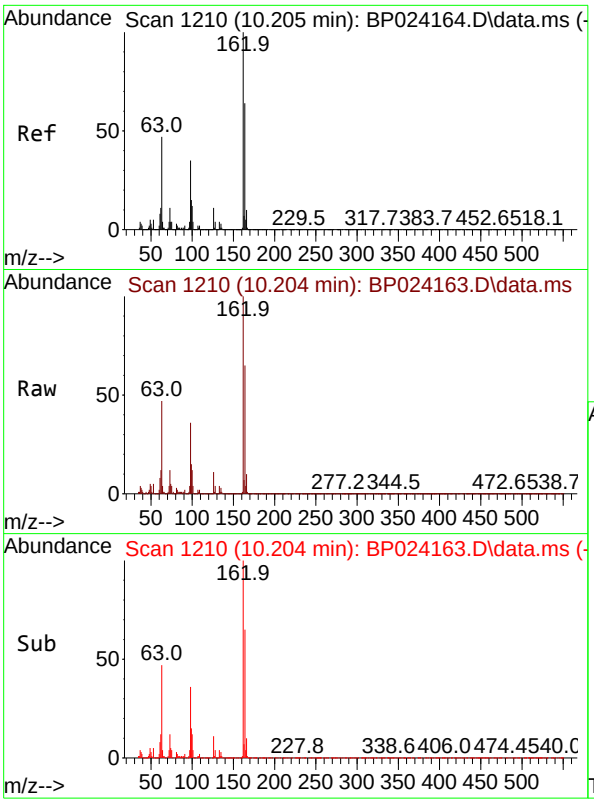


#28
bis(2-Chloroethoxy)methane
Concen: 20.649 ng
RT: 9.957 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion: 93 Resp: 648792

Ion	Ratio	Lower	Upper
93	100		
95	32.4	25.9	38.9
123	11.8	9.5	14.3



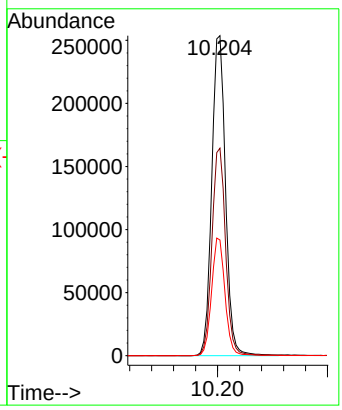


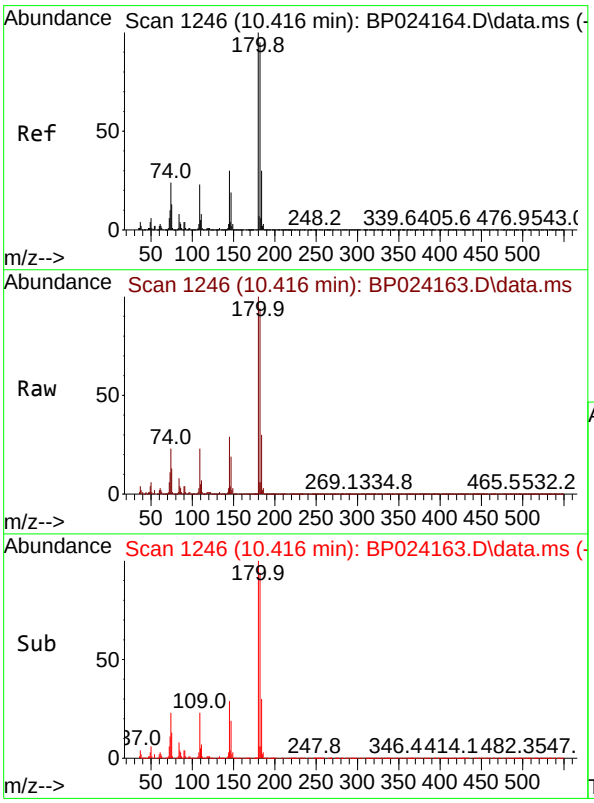
#29
2,4-Dichlorophenol
Concen: 20.457 ng
RT: 10.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 440705

Ion	Ratio	Lower	Upper
162	100		
164	64.9	44.2	84.2
98	36.2	15.1	55.1

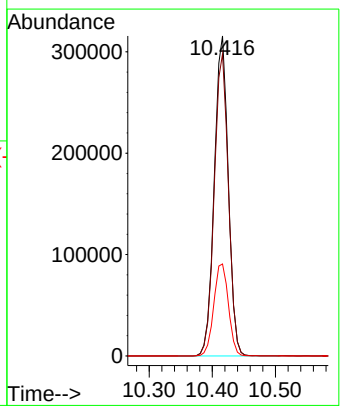


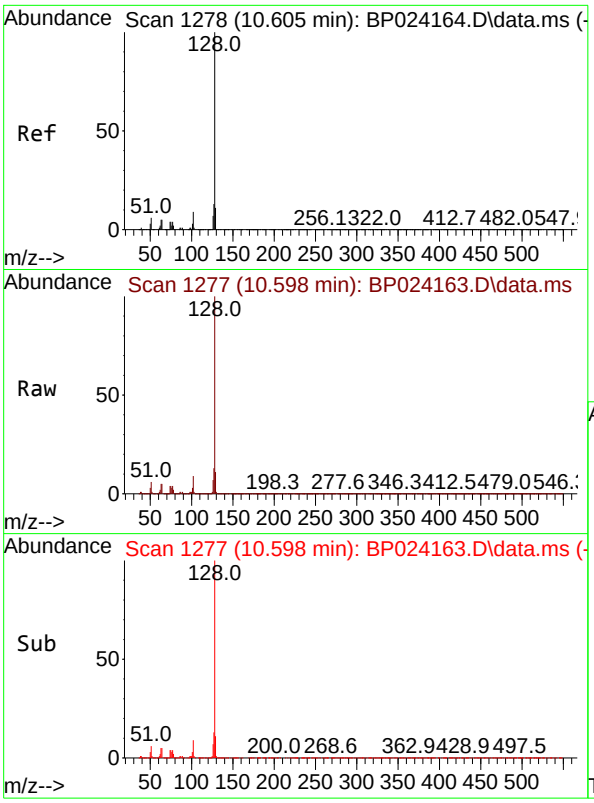


#30
1,2,4-Trichlorobenzene
Concen: 19.702 ng
RT: 10.416 min Scan# 1246
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:180 Resp: 486293

Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.1	114.1
145	28.7	24.2	36.2



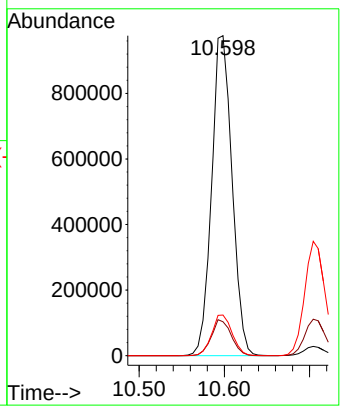


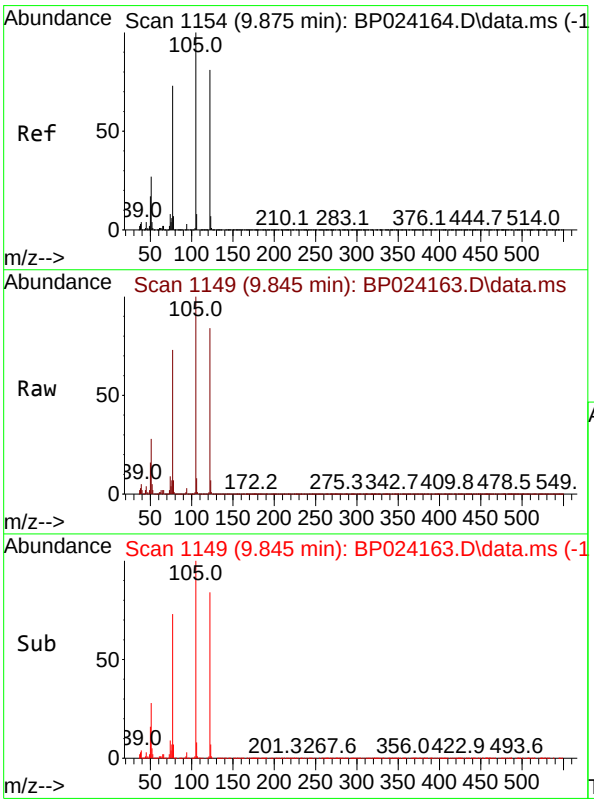
#31
Naphthalene
Concen: 20.436 ng
RT: 10.598 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 1625925

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.7	13.1
127	12.7	10.4	15.6

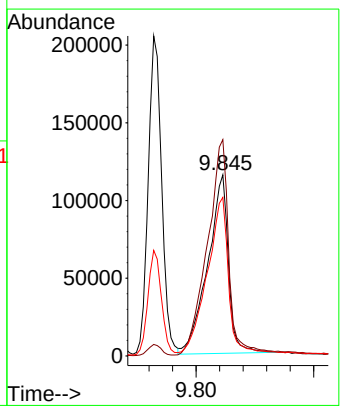


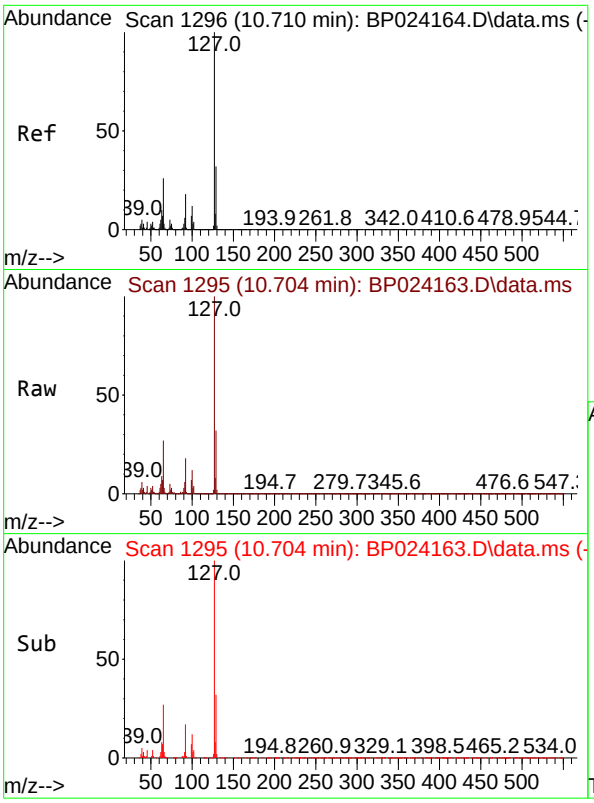


#32
Benzoic acid
Concen: 19.396 ng
RT: 9.845 min Scan# 1149
Delta R.T. -0.030 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:122 Resp: 280702

Ion	Ratio	Lower	Upper
122	100		
105	119.4	100.3	140.3
77	87.5	69.1	109.1



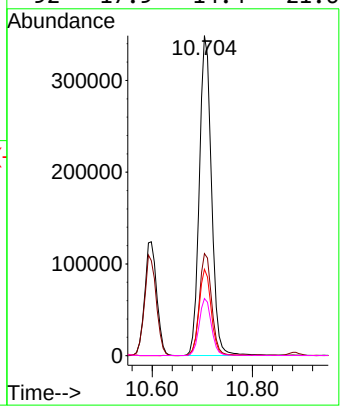


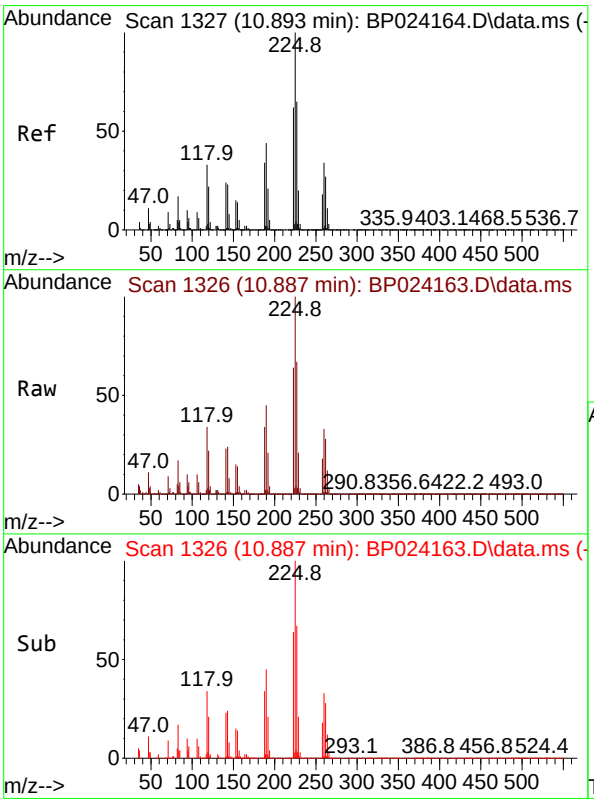
#33
4-Chloroaniline
Concen: 20.980 ng
RT: 10.704 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 588052

Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.8	38.6
65	27.0	21.2	31.8
92	17.9	14.4	21.6

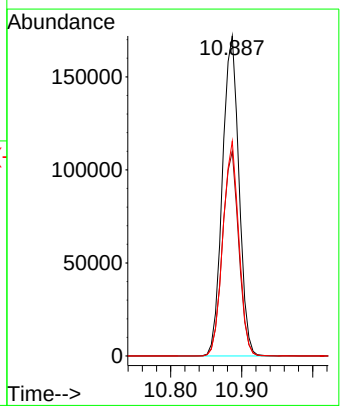


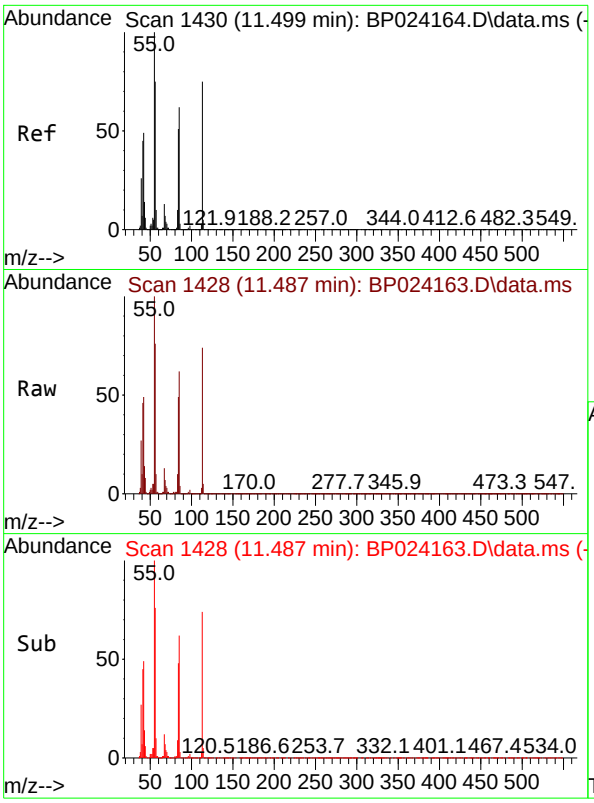


#34
Hexachlorobutadiene
Concen: 19.369 ng
RT: 10.887 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:225 Resp: 276905

Ion	Ratio	Lower	Upper
225	100		
223	63.9	49.9	74.9
227	67.1	52.2	78.2



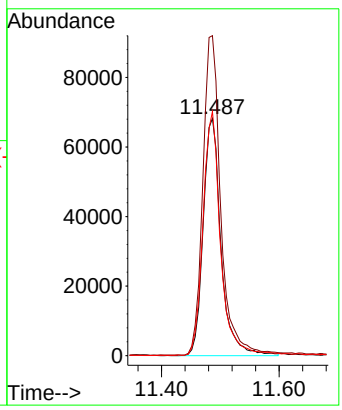


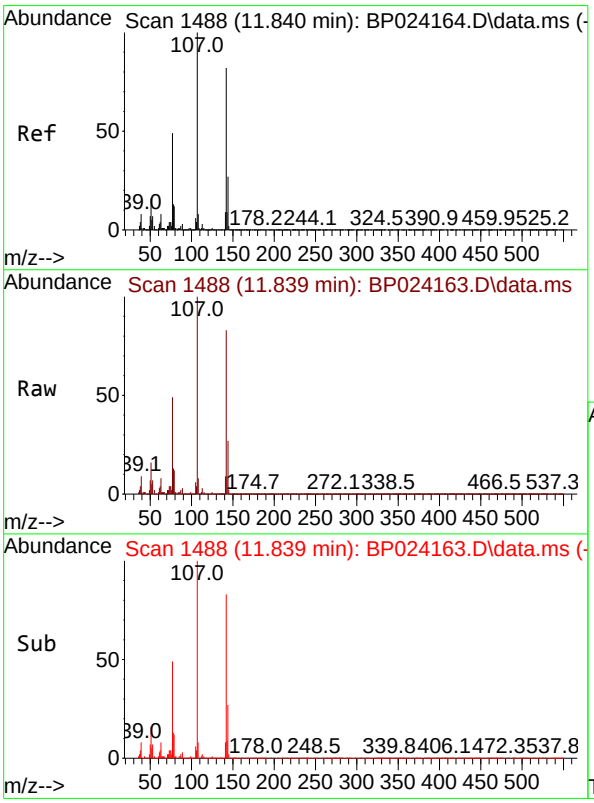
#35
Caprolactam
Concen: 21.924 ng
RT: 11.487 min Scan# 14
Delta R.T. -0.012 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 143023

Ion	Ratio	Lower	Upper
113	100		
55	134.9	113.6	153.6
56	102.9	80.0	120.0

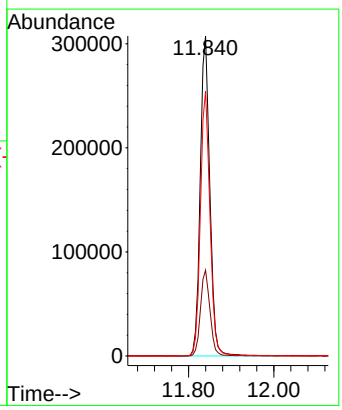


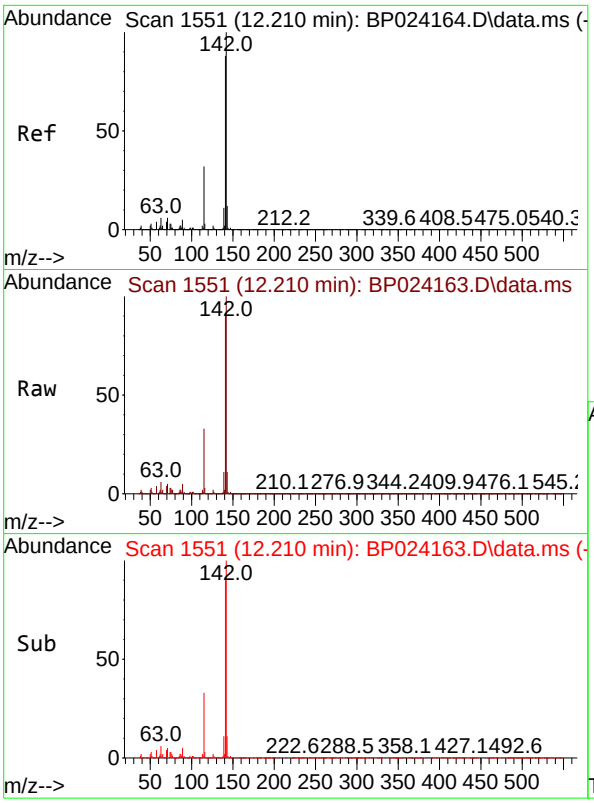


#36
4-Chloro-3-methylphenol
Concen: 21.674 ng
RT: 11.839 min Scan# 1488
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:107 Resp: 479996

Ion	Ratio	Lower	Upper
107	100		
144	26.8	21.6	32.4
142	82.7	65.4	98.0



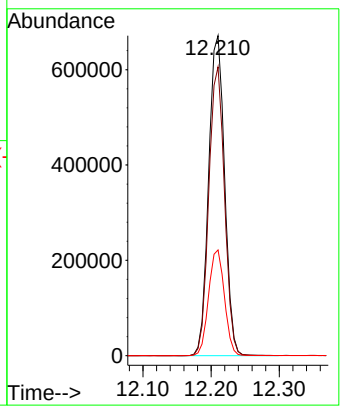


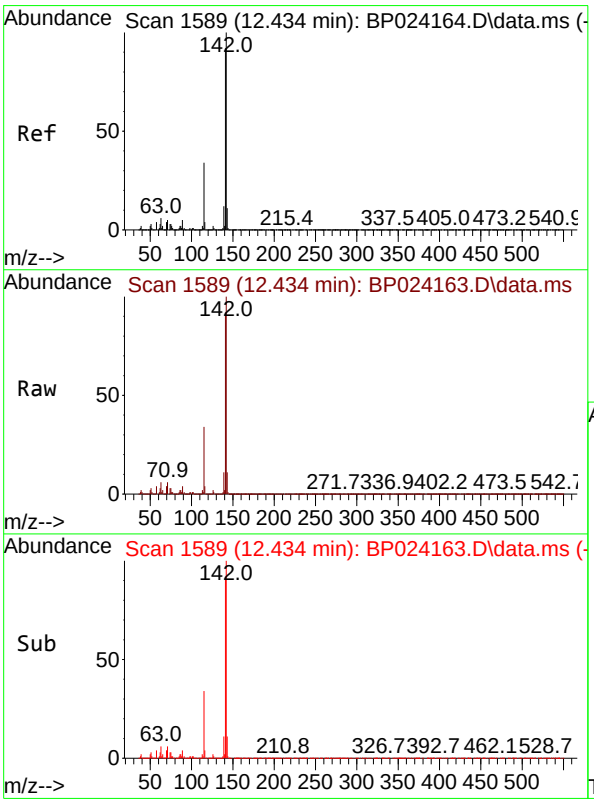
#37
2-Methylnaphthalene
Concen: 20.630 ng
RT: 12.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 1090957

Ion	Ratio	Lower	Upper
142	100		
141	90.2	70.3	105.5
115	33.1	26.0	39.0

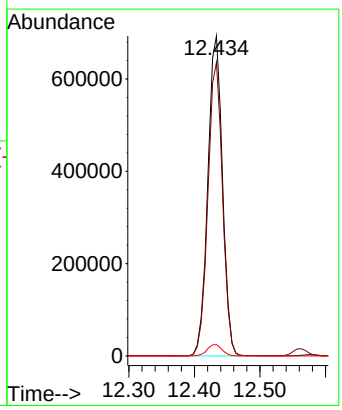


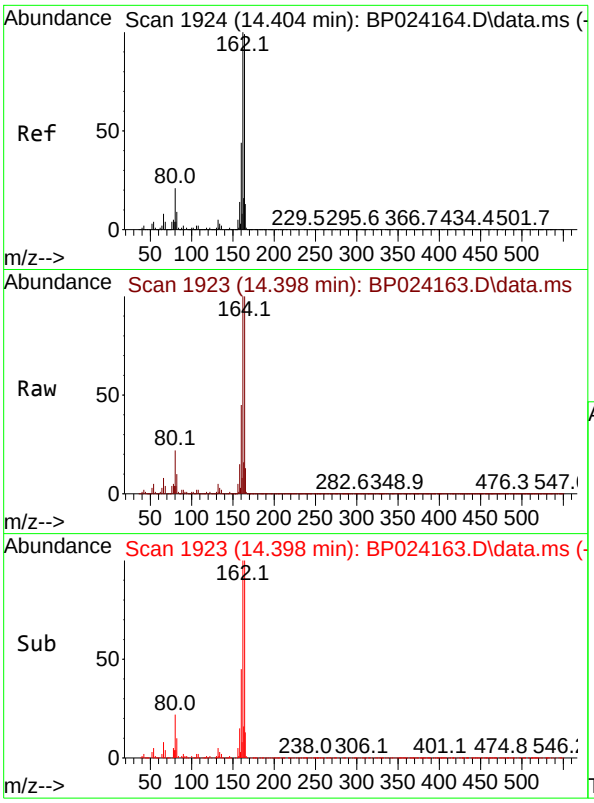


#38
1-Methylnaphthalene
Concen: 20.936 ng
RT: 12.434 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:142 Resp: 1077045

Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.9	110.9
116	3.6	2.8	4.2



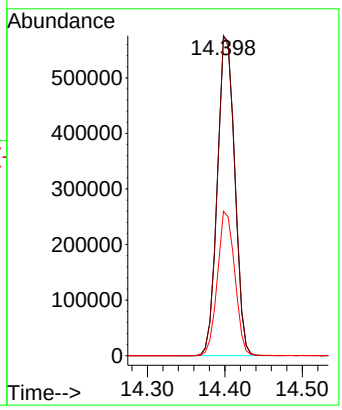


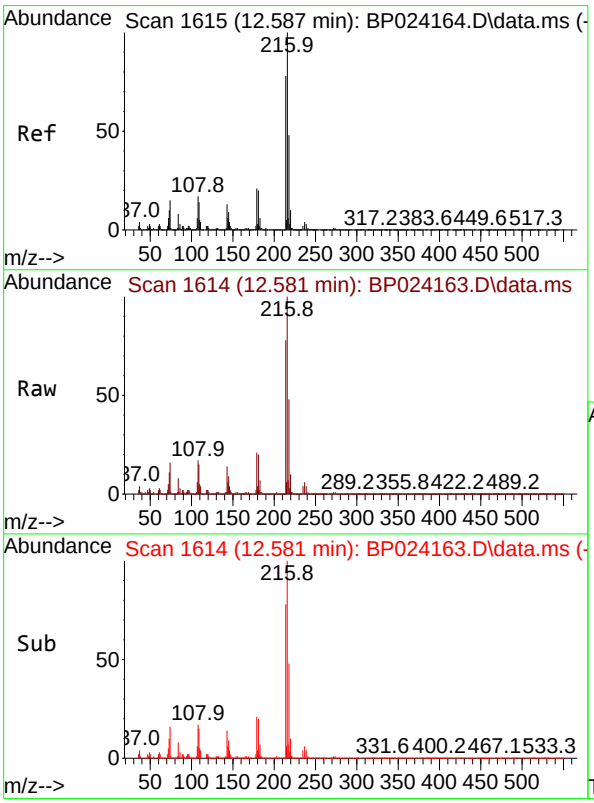
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 895871

Ion	Ratio	Lower	Upper
164	100		
162	100.1	80.6	121.0
160	45.2	35.4	53.2

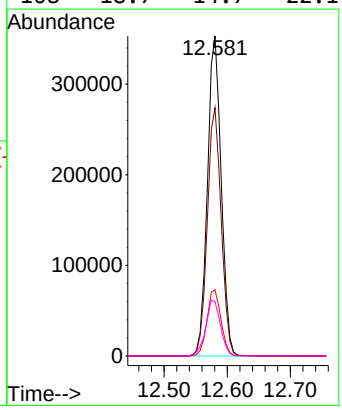


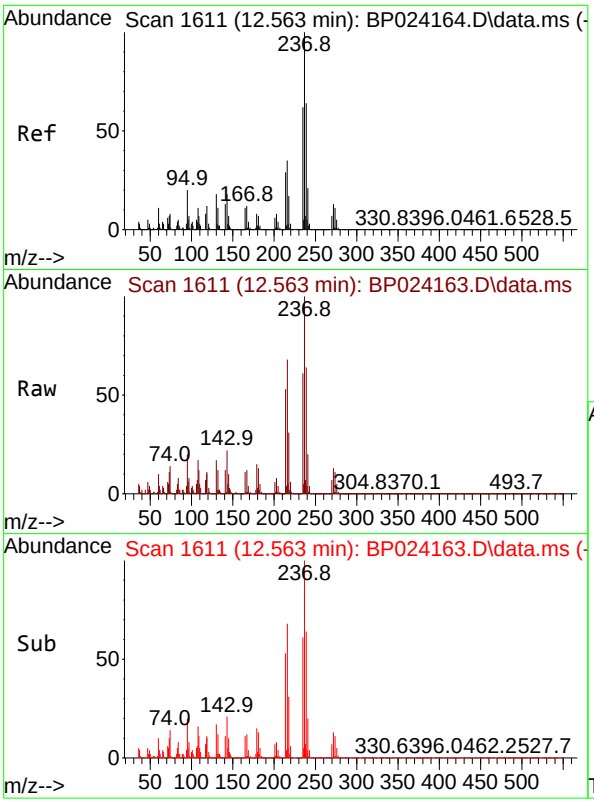


#40
1,2,4,5-Tetrachlorobenzene
Concen: 19.394 ng
RT: 12.581 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:216 Resp: 533843

Ion	Ratio	Lower	Upper
216	100		
214	78.2	62.8	94.2
179	21.0	16.8	25.2
108	18.7	14.7	22.1



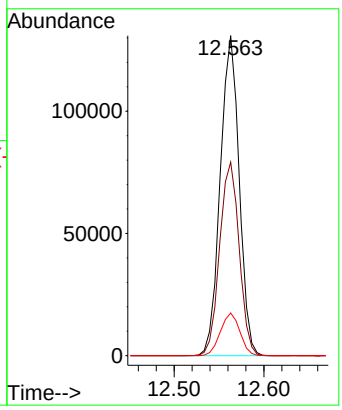


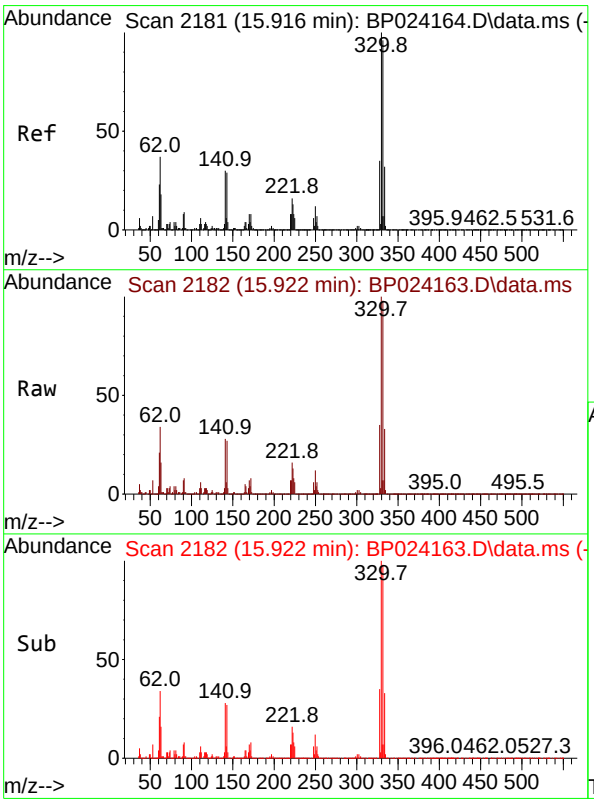
#41
Hexachlorocyclopentadiene
Concen: 18.697 ng
RT: 12.563 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 191514

Ion	Ratio	Lower	Upper
237	100		
235	60.5	41.8	81.8
272	13.3	0.0	33.5

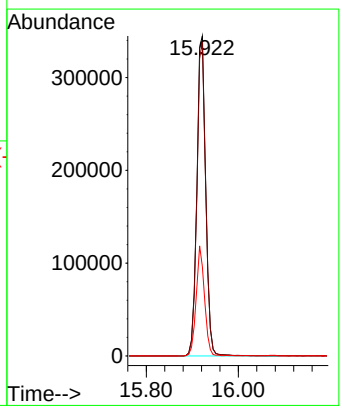


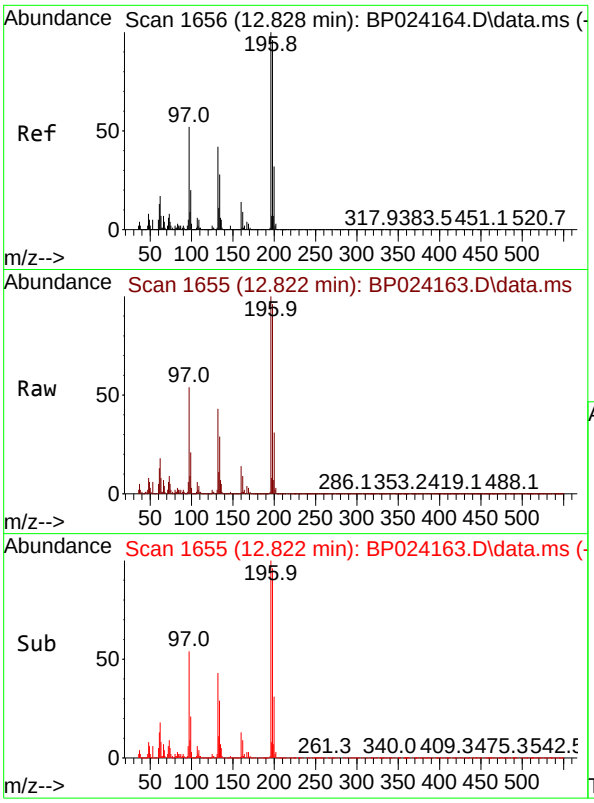


#42
2,4,6-Tribromophenol
Concen: 41.861 ng
RT: 15.922 min Scan# 2182
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:330 Resp: 459354

Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.6	116.4
141	32.3	25.0	37.6



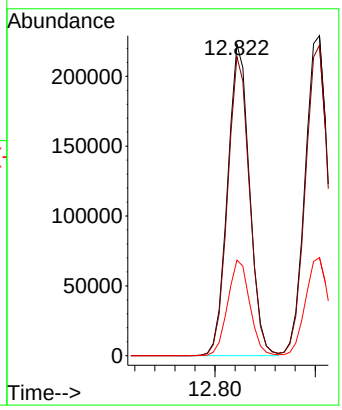


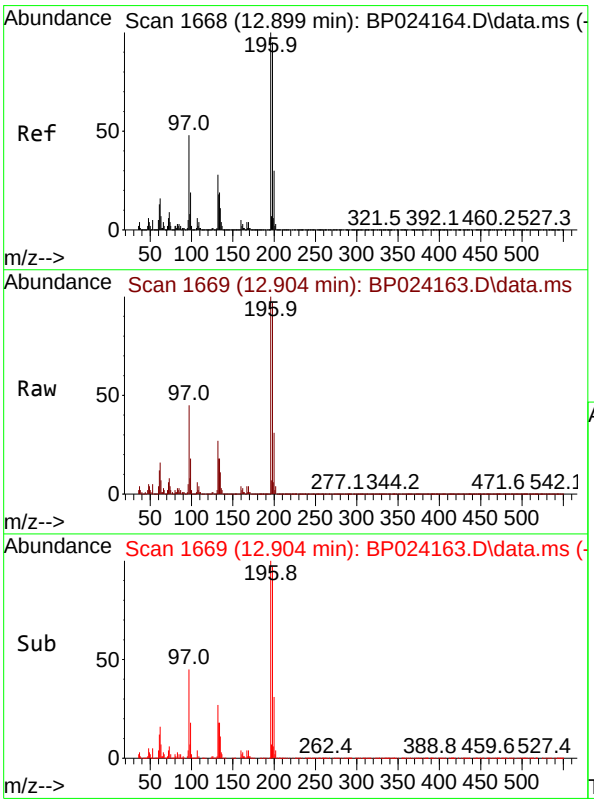
#43
2,4,6-Trichlorophenol
Concen: 20.216 ng
RT: 12.822 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 339357

Ion	Ratio	Lower	Upper
196	100		
198	96.1	76.6	115.0
200	30.7	25.4	38.0

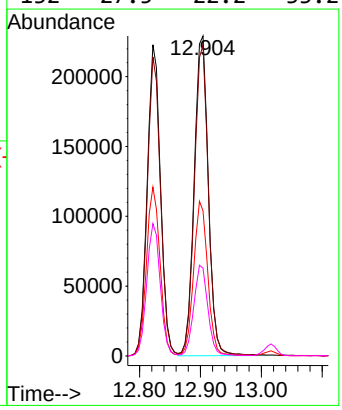


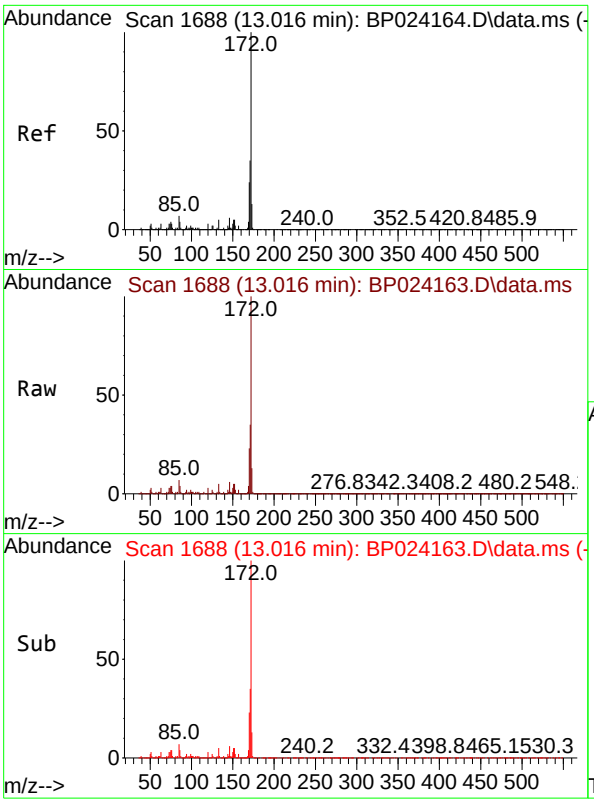


#44
2,4,5-Trichlorophenol
Concen: 20.184 ng
RT: 12.904 min Scan# 1669
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:196 Resp: 370561

Ion	Ratio	Lower	Upper
196	100		
198	97.0	76.5	114.7
97	45.4	38.7	58.1
132	27.5	22.2	33.2



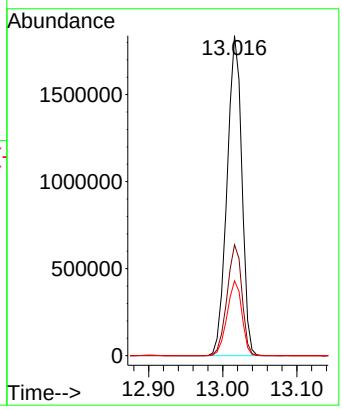


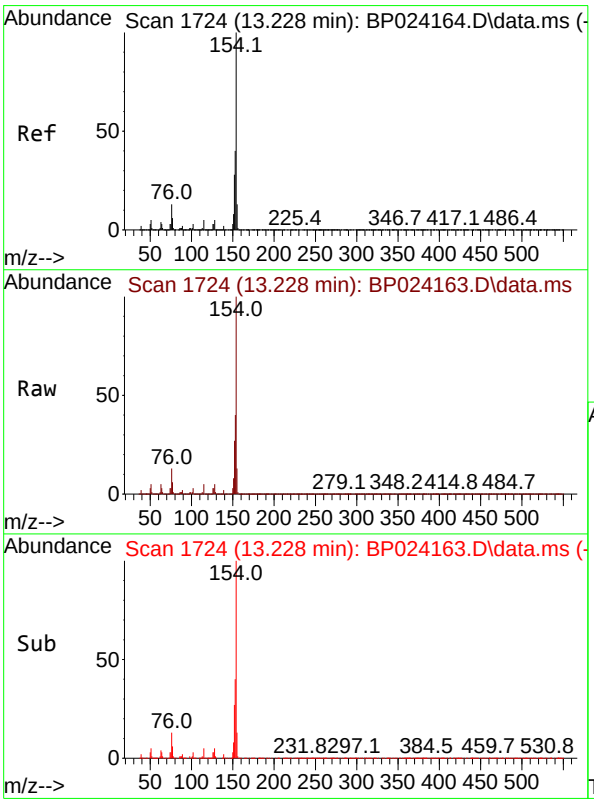
#45
2-Fluorobiphenyl
Concen: 39.695 ng
RT: 13.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 2543735

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.3	42.5
170	23.4	19.0	28.4

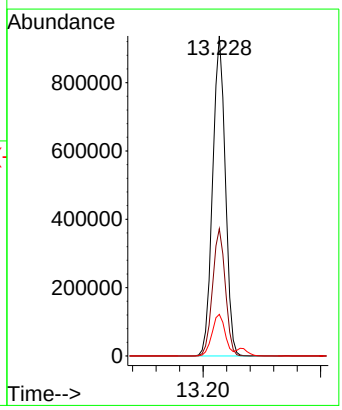


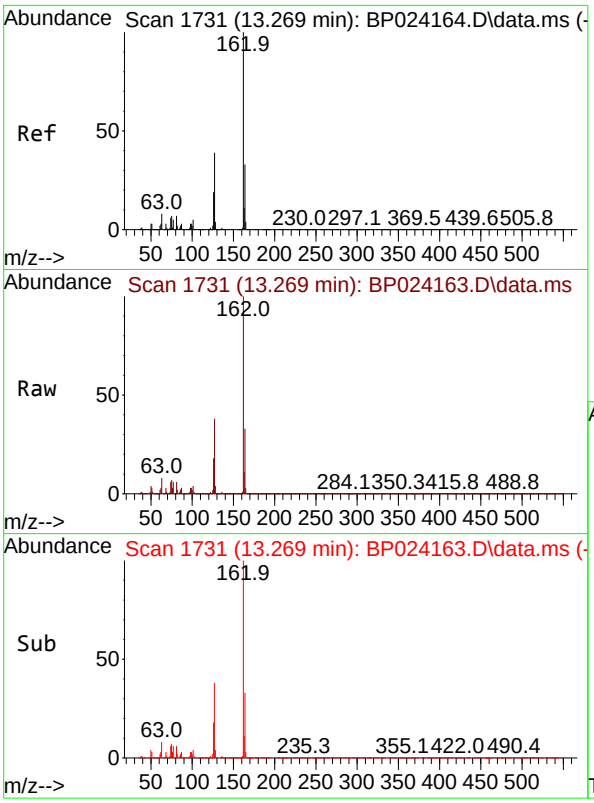


#46
1,1'-Biphenyl
Concen: 20.152 ng
RT: 13.228 min Scan# 1724
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:154 Resp: 1402874

Ion	Ratio	Lower	Upper
154	100		
153	39.7	20.3	60.3
76	13.0	0.0	32.9



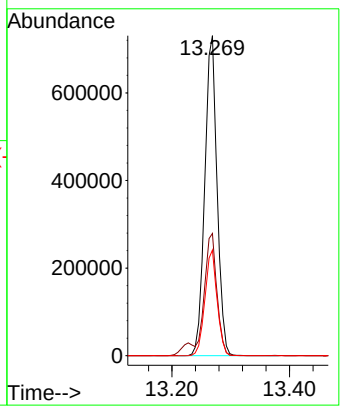


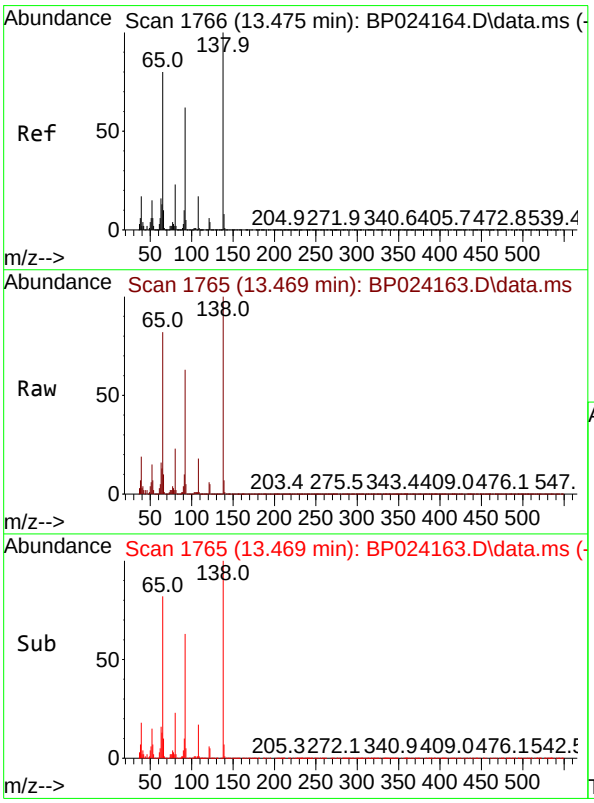
#47
2-Chloronaphthalene
Concen: 20.083 ng
RT: 13.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 1056861

Ion	Ratio	Lower	Upper
162	100		
127	38.2	31.5	47.3
164	33.0	26.6	39.8

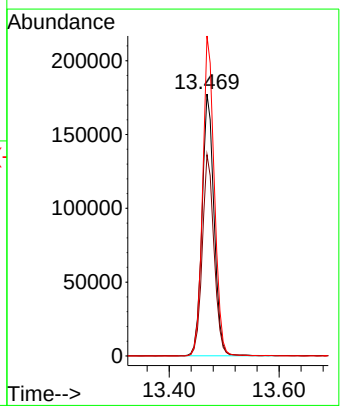


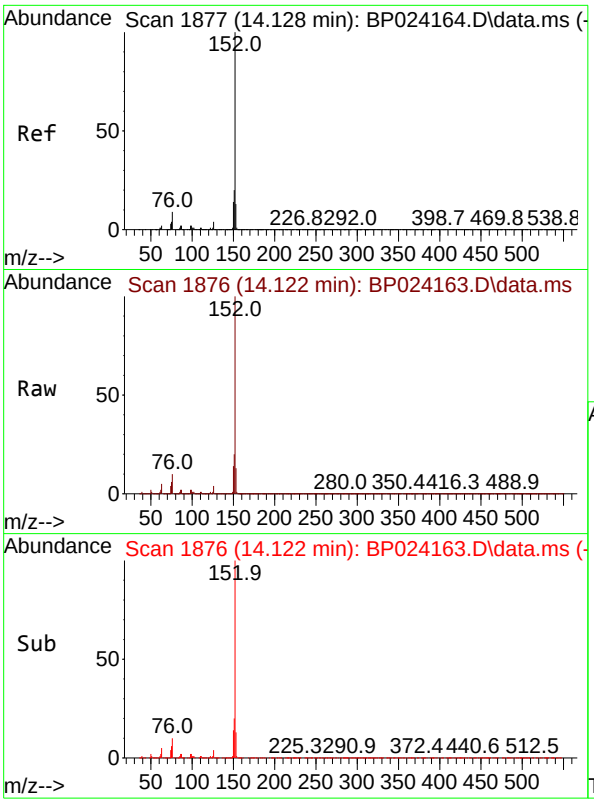


#48
2-Nitroaniline
Concen: 21.595 ng
RT: 13.469 min Scan# 1765
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion: 65 Resp: 268455

Ion	Ratio	Lower	Upper
65	100		
92	76.8	62.1	93.1
138	122.2	99.5	149.3



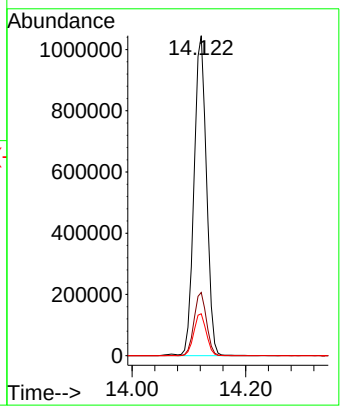


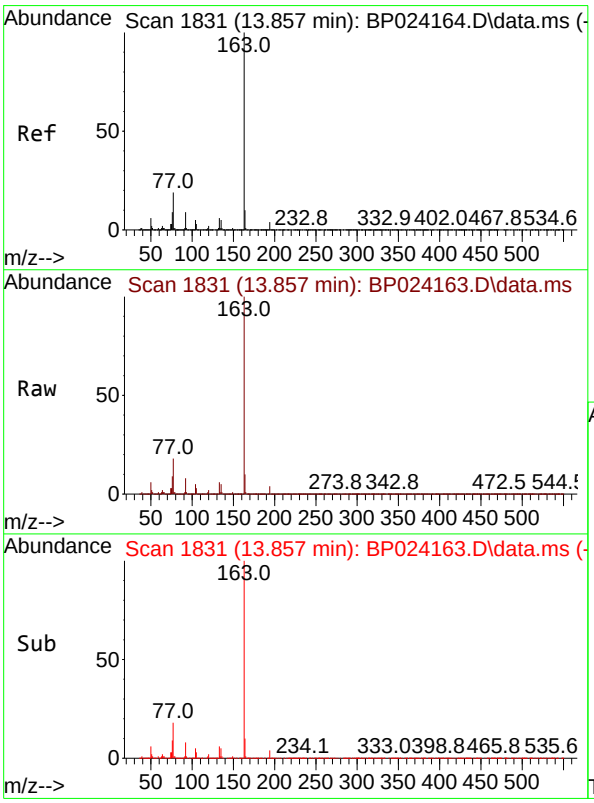
#49
Acenaphthylene
Concen: 20.517 ng
RT: 14.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 1590772

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.0	24.0
153	13.1	10.6	15.8

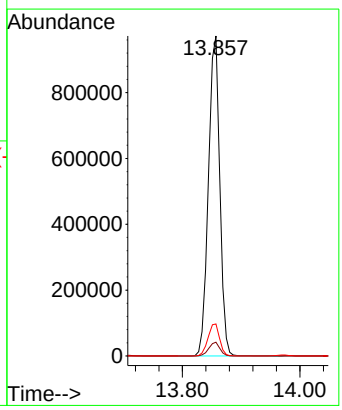


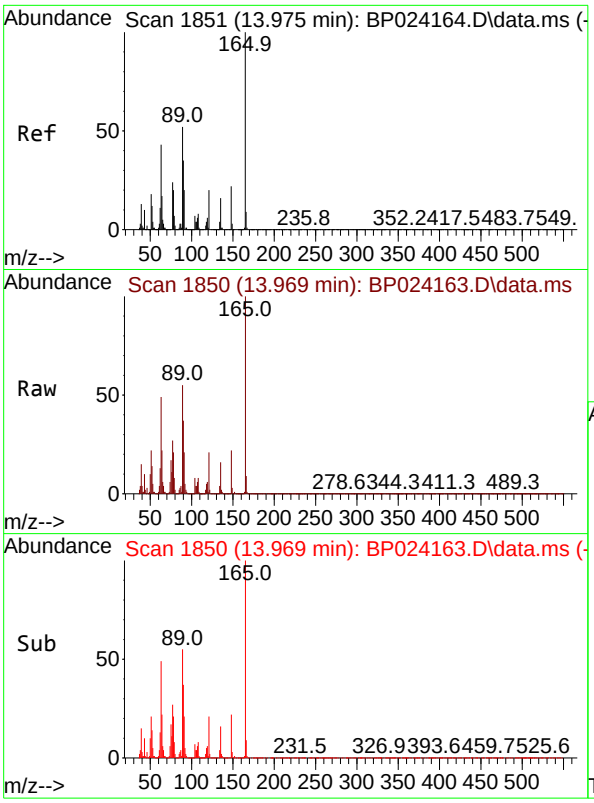


#50
Dimethylphthalate
Concen: 20.677 ng
RT: 13.857 min Scan# 1831
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:163 Resp: 1306638

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.0
164	10.0	8.2	12.4



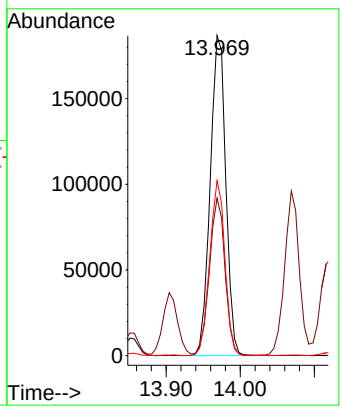


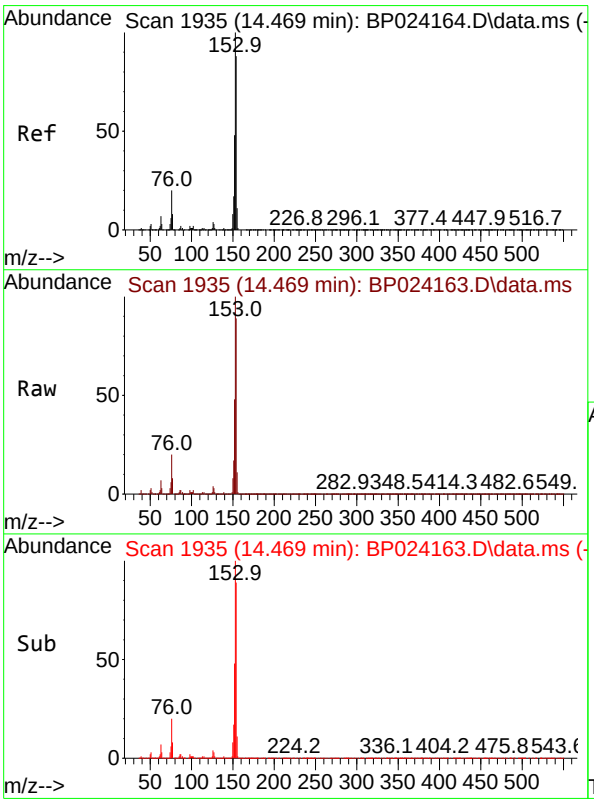
#51
2,6-Dinitrotoluene
Concen: 21.122 ng
RT: 13.969 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 271891

Ion	Ratio	Lower	Upper
165	100		
63	49.2	37.7	56.5
89	54.7	41.9	62.9

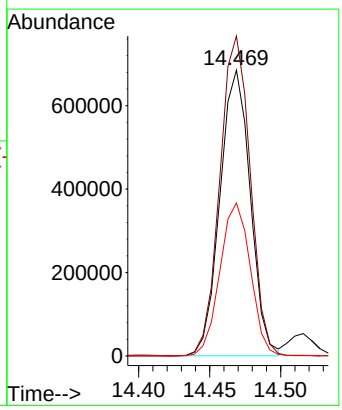


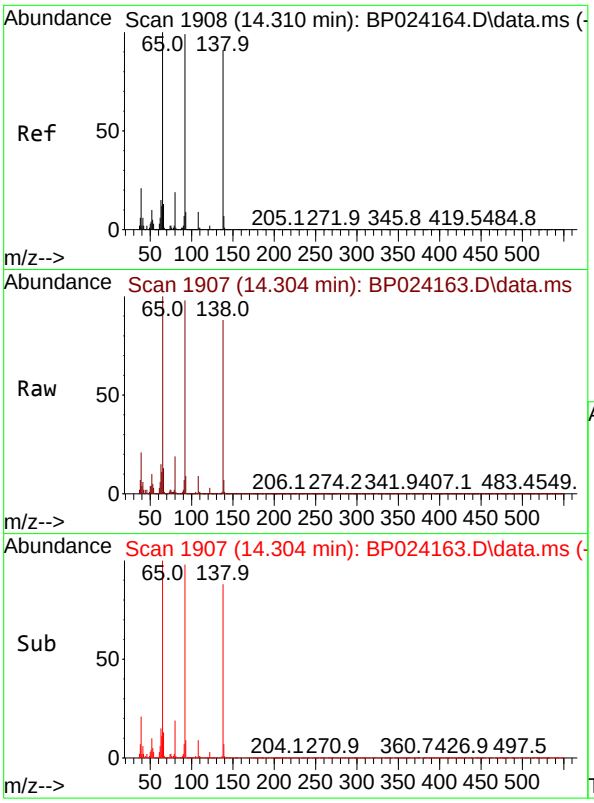


#52
Acenaphthene
Concen: 20.379 ng
RT: 14.469 min Scan# 1935
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:154 Resp: 1017503

Ion	Ratio	Lower	Upper
154	100		
153	111.9	90.5	135.7
152	53.5	43.1	64.7



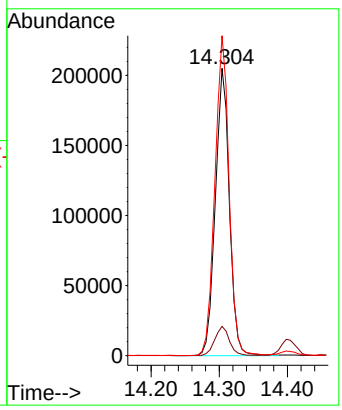


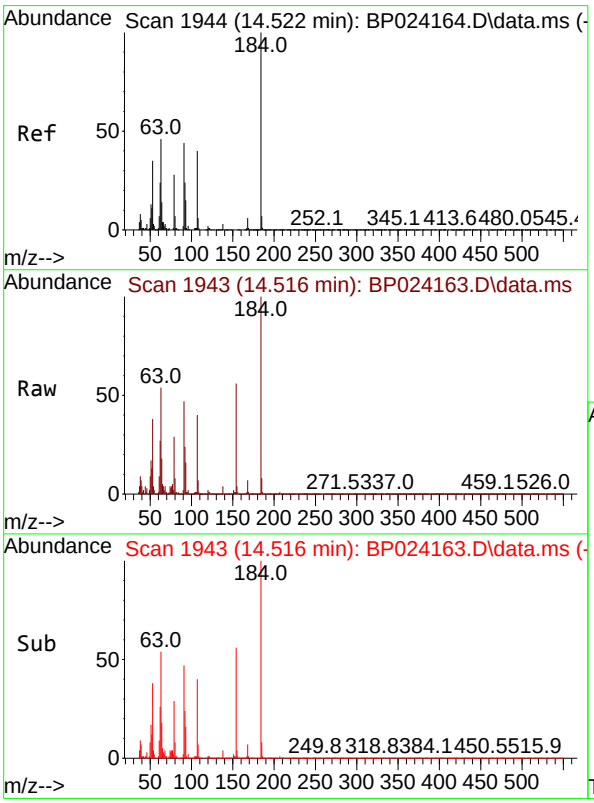
#53
3-Nitroaniline
Concen: 21.397 ng
RT: 14.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 293921

Ion	Ratio	Lower	Upper
138	100		
108	10.2	8.2	12.2
92	111.4	86.7	130.1

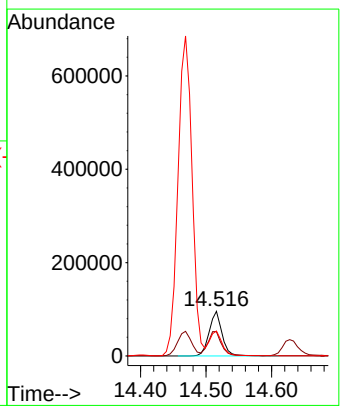


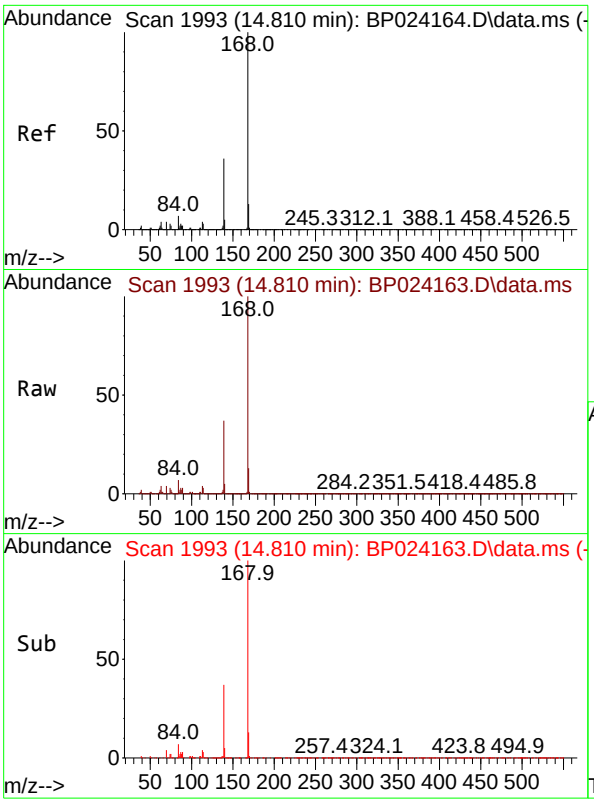


#54
2,4-Dinitrophenol
Concen: 19.074 ng
RT: 14.516 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:184 Resp: 130759

Ion	Ratio	Lower	Upper
184	100		
63	54.4	42.1	63.1
154	56.0	44.6	67.0



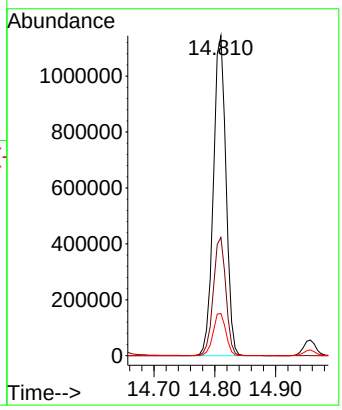


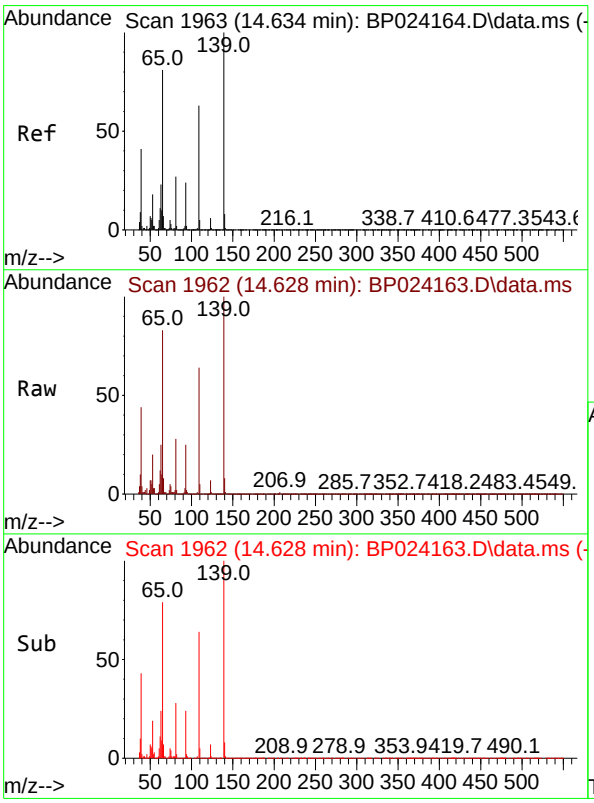
#55
Dibenzofuran
Concen: 20.264 ng
RT: 14.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 1643604

Ion	Ratio	Lower	Upper
168	100		
139	37.0	29.1	43.7
169	13.2	10.8	16.2

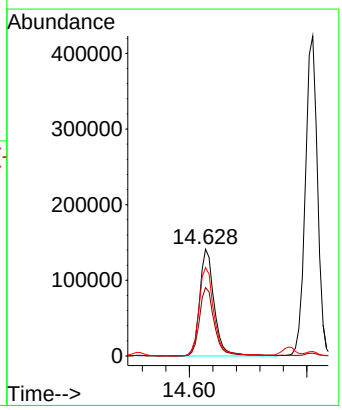


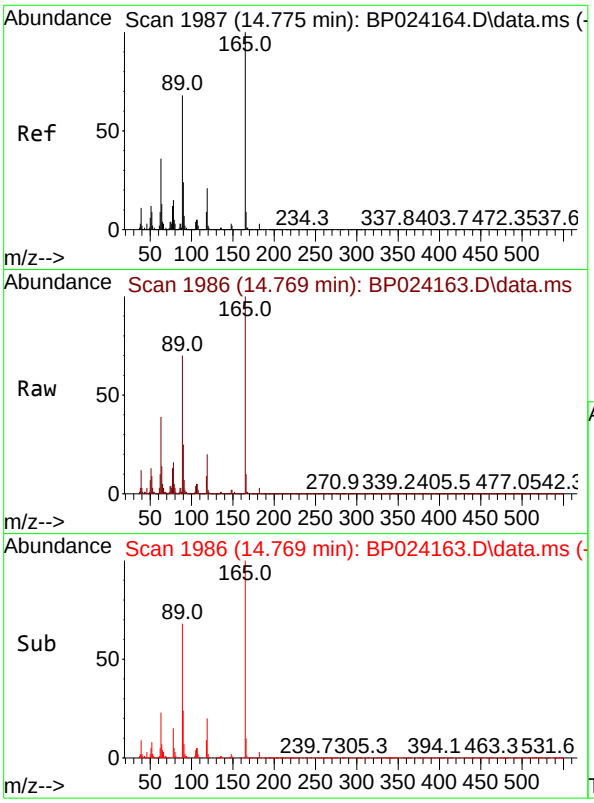


#56
4-Nitrophenol
Concen: 20.466 ng
RT: 14.628 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:139 Resp: 242843

Ion	Ratio	Lower	Upper
139	100		
109	64.1	43.3	83.3
65	82.7	61.2	101.2



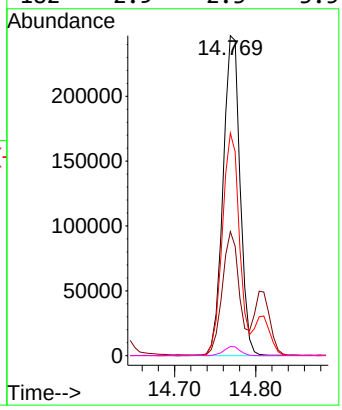


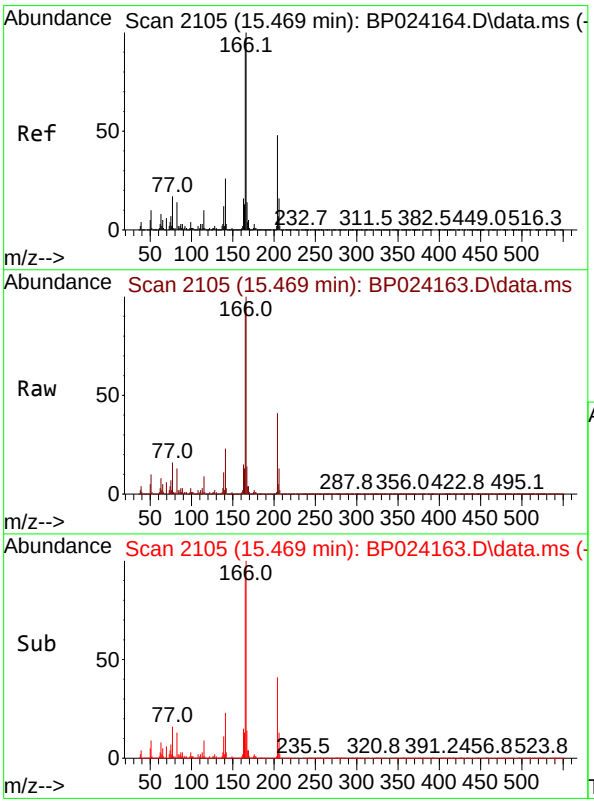
#57
2,4-Dinitrotoluene
Concen: 21.433 ng
RT: 14.769 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 358405

Ion	Ratio	Lower	Upper
165	100		
63	38.7	29.0	43.6
89	69.6	54.2	81.4
182	2.9	2.3	3.5

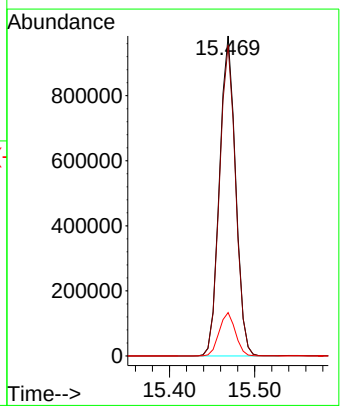


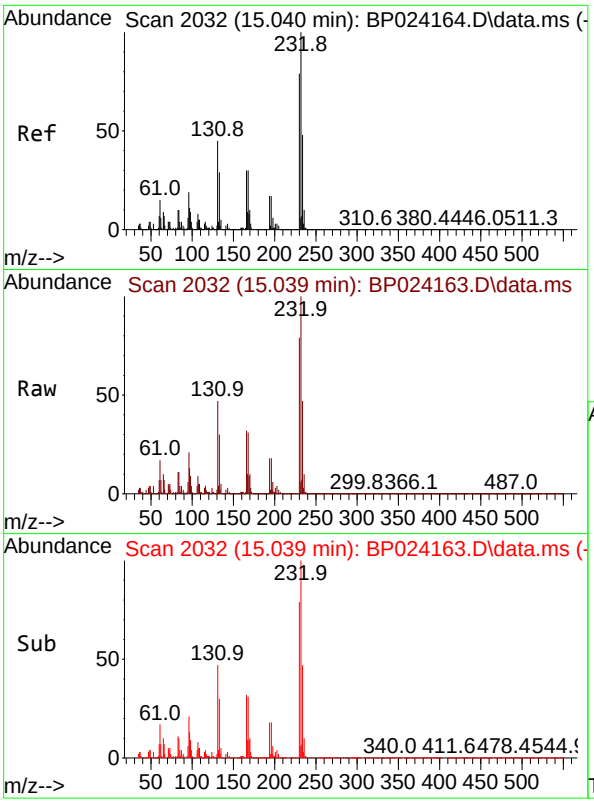


#58
Fluorene
Concen: 20.392 ng
RT: 15.469 min Scan# 2105
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:166 Resp: 1291744

Ion	Ratio	Lower	Upper
166	100		
165	97.1	77.6	116.4
167	13.5	10.8	16.2



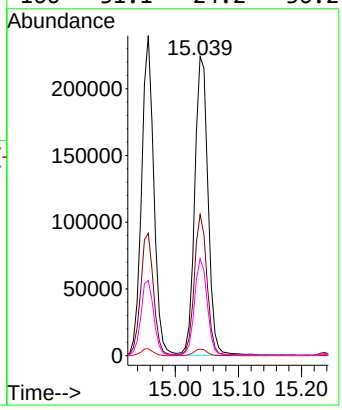


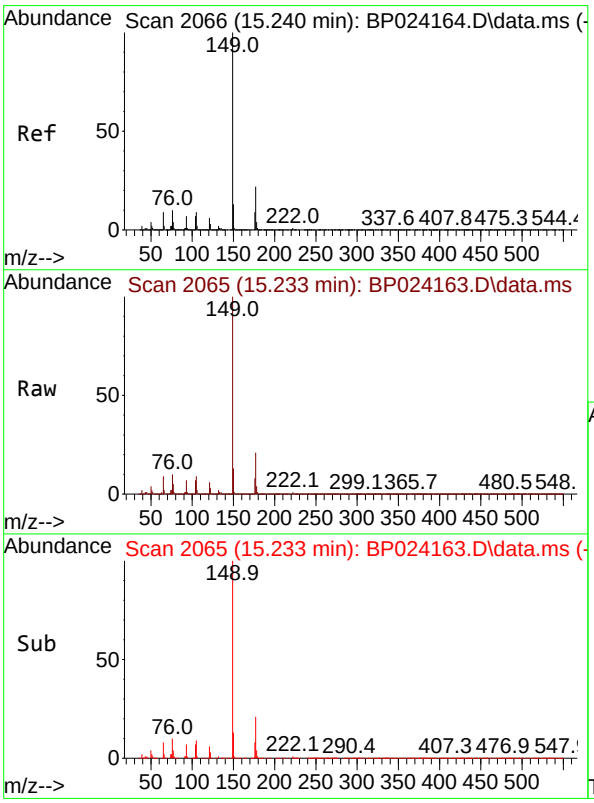
#59
2,3,4,6-Tetrachlorophenol
Concen: 20.514 ng
RT: 15.039 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 326758

Ion	Ratio	Lower	Upper
232	100		
131	45.3	35.9	53.9
130	2.3	1.8	2.6
166	31.1	24.2	36.2

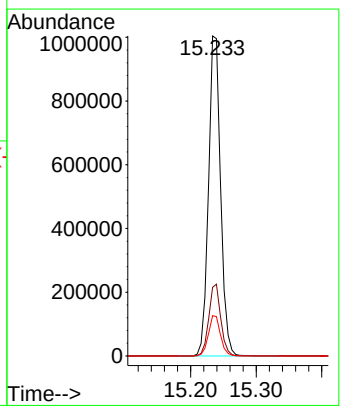


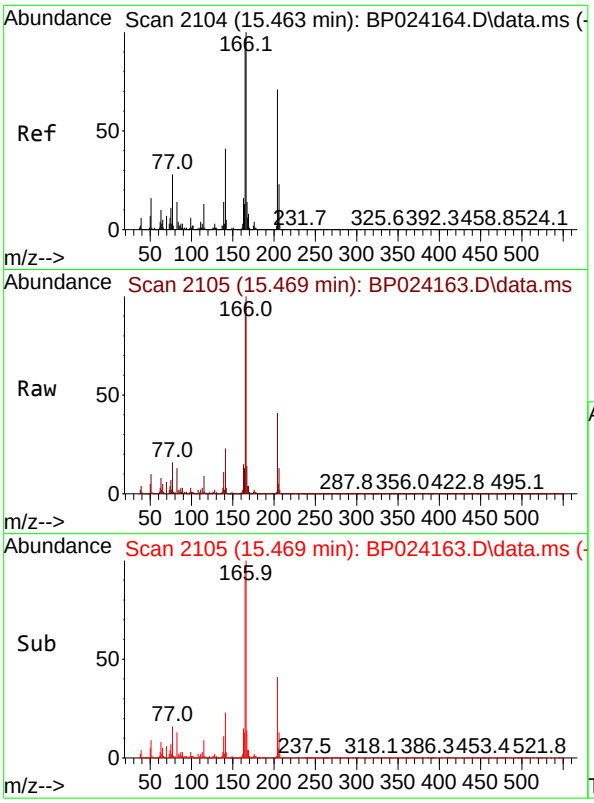


#60
Diethylphthalate
Concen: 20.524 ng
RT: 15.233 min Scan# 2065
Delta R.T. -0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:149 Resp: 1287503

Ion	Ratio	Lower	Upper
149	100		
177	21.5	17.7	26.5
150	12.6	10.2	15.4



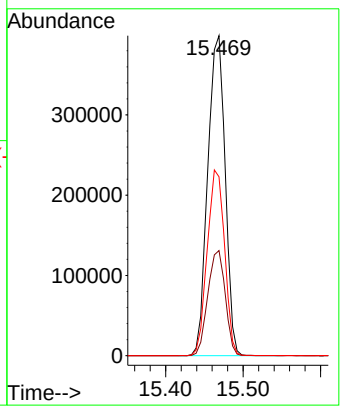


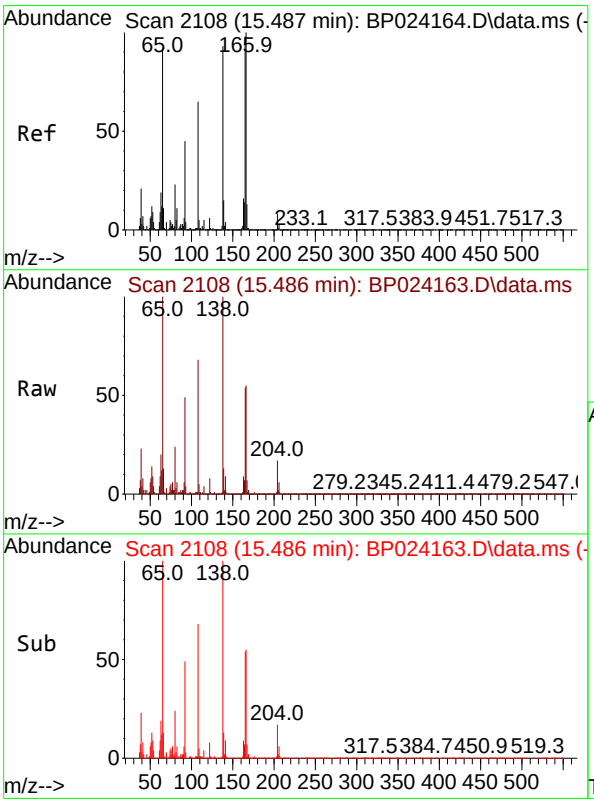
#61
4-Chlorophenyl-phenylether
Concen: 19.996 ng
RT: 15.469 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 623454

Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.4	39.6
141	55.9	45.8	68.8

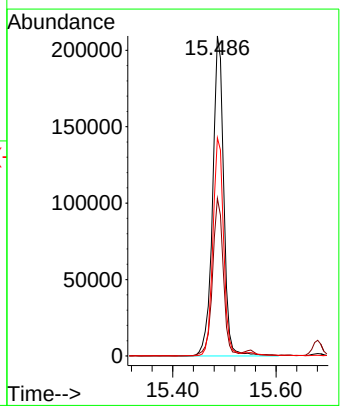


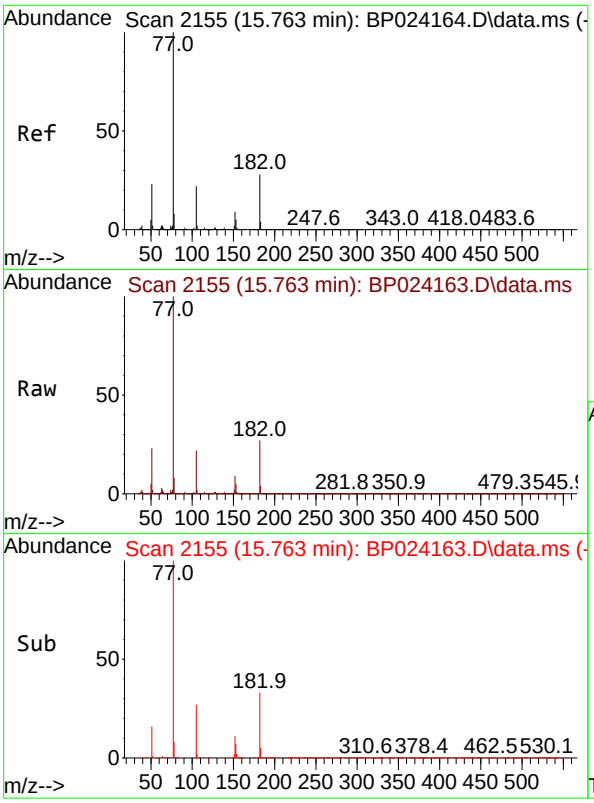


#62
4-Nitroaniline
Concen: 21.841 ng
RT: 15.486 min Scan# 2108
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:138 Resp: 311347

Ion	Ratio	Lower	Upper
138	100		
92	49.3	28.7	68.7
108	68.2	49.5	89.5



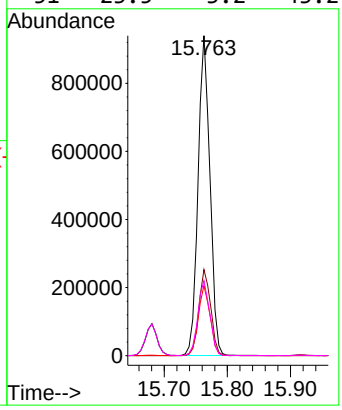


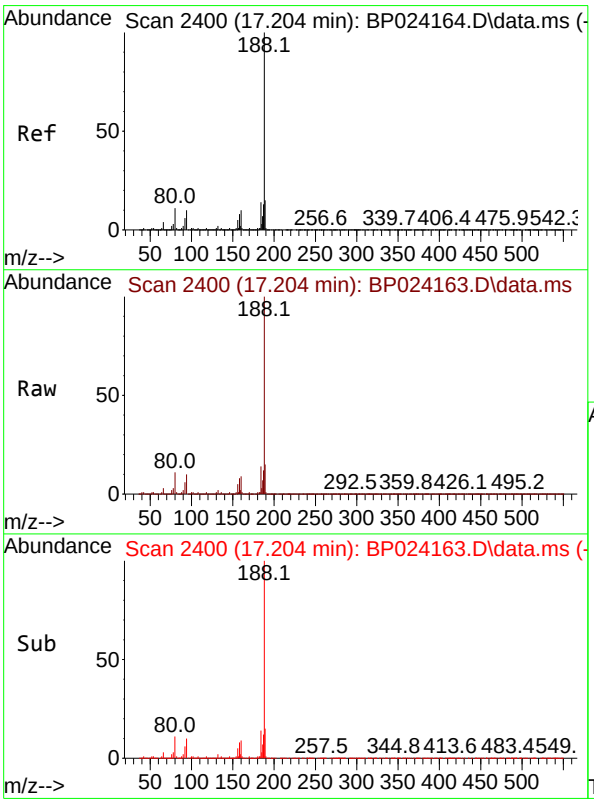
#63
Azobenzene
Concen: 20.864 ng
RT: 15.763 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 1226441

Ion	Ratio	Lower	Upper
77	100		
182	26.9	7.7	47.7
105	21.9	2.3	42.3
51	23.5	3.2	43.2

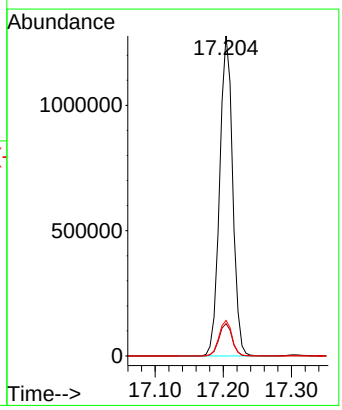


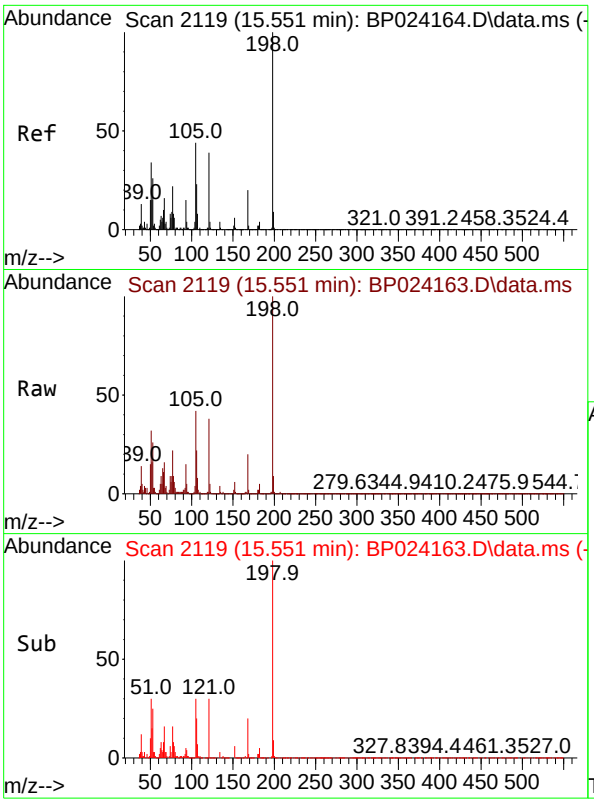


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2400
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:188 Resp: 1698224

Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.1	12.1
80	11.1	8.9	13.3



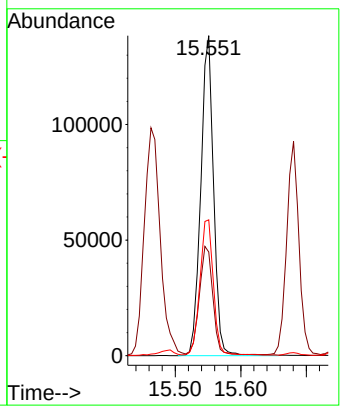


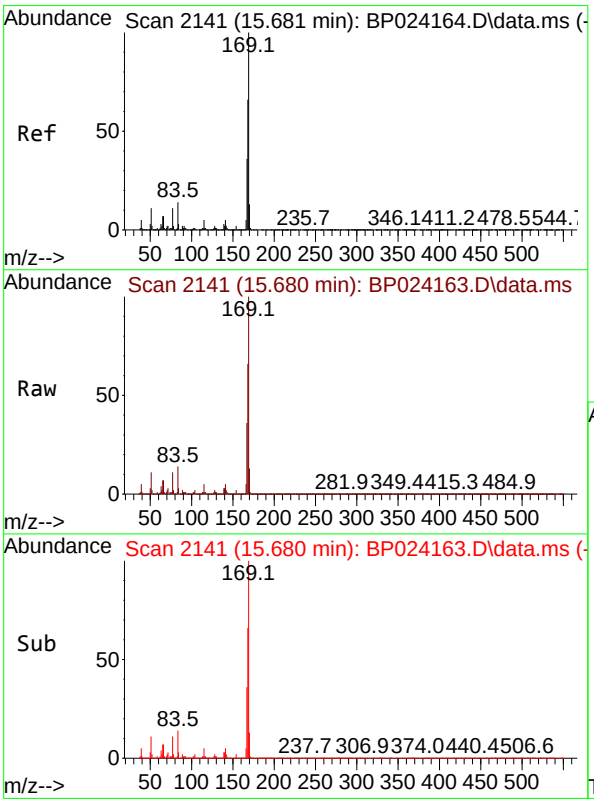
#65
4,6-Dinitro-2-methylphenol
Concen: 19.162 ng
RT: 15.551 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 188346

Ion	Ratio	Lower	Upper
198	100		
51	32.4	14.7	54.7
105	42.4	23.8	63.8

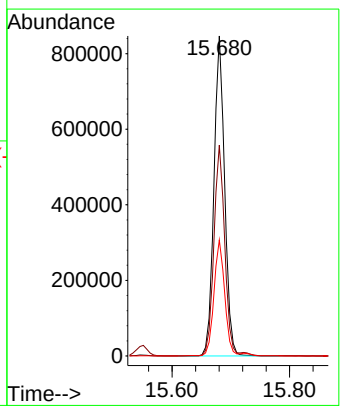


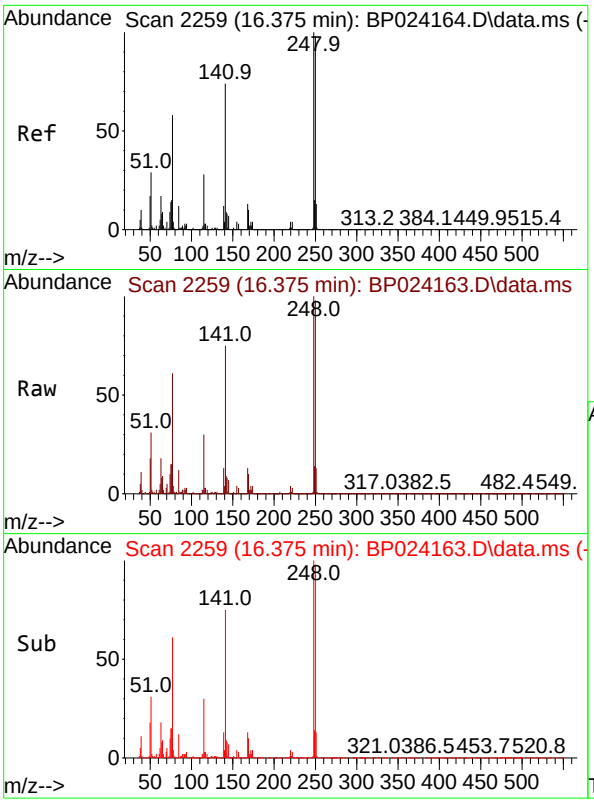


#66
n-Nitrosodiphenylamine
Concen: 20.181 ng
RT: 15.680 min Scan# 2141
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:169 Resp: 1068735

Ion	Ratio	Lower	Upper
169	100		
168	65.9	52.9	79.3
167	36.2	28.8	43.2



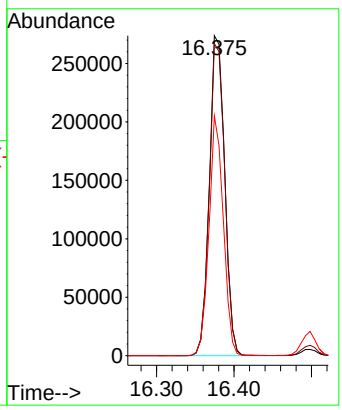


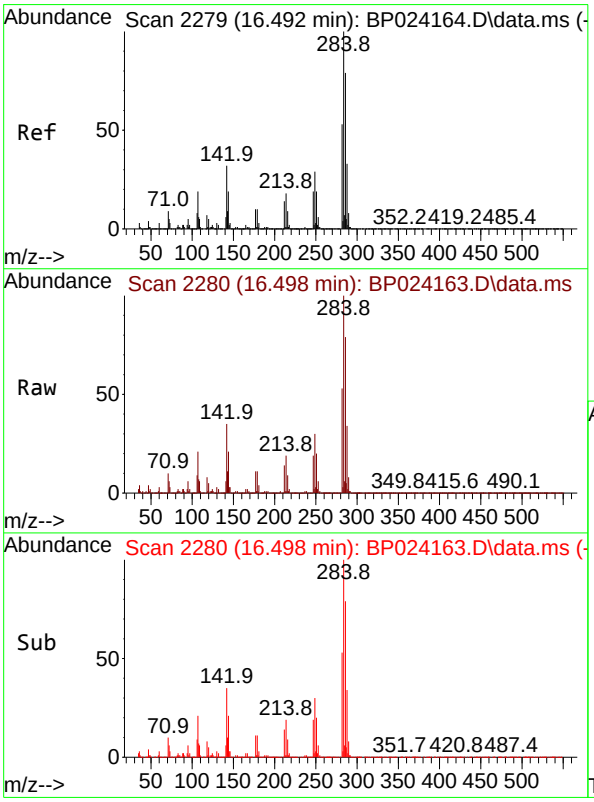
#67
4-Bromophenyl-phenylether
Concen: 19.797 ng
RT: 16.375 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 377534

Ion	Ratio	Lower	Upper
248	100		
250	97.5	78.4	117.6
141	74.9	59.4	89.0

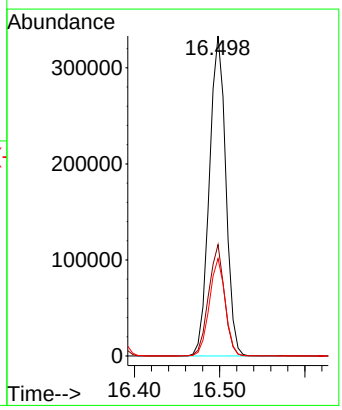


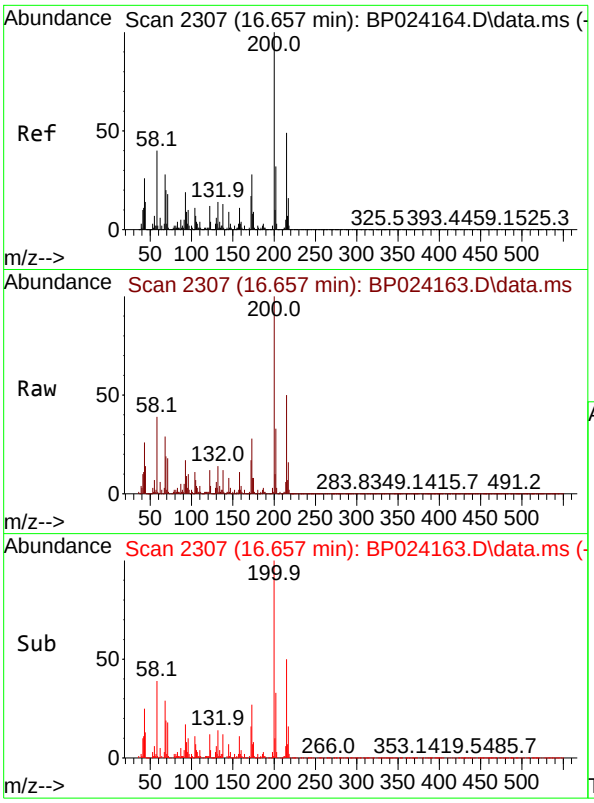


#68
Hexachlorobenzene
Concen: 19.921 ng
RT: 16.498 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:284 Resp: 447016

Ion	Ratio	Lower	Upper
284	100		
142	34.8	25.4	38.2
249	30.5	23.5	35.3



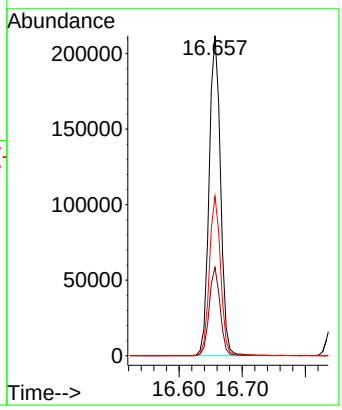


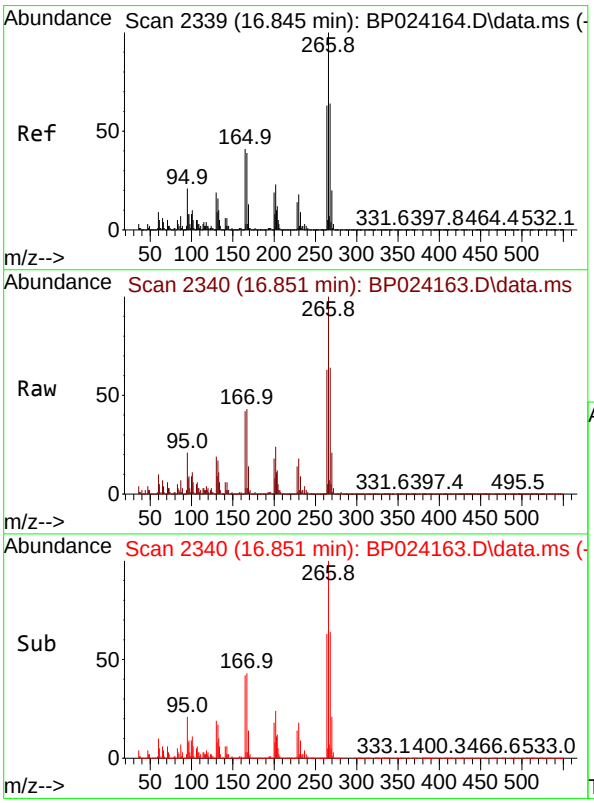
#69
Atrazine
Concen: 19.568 ng
RT: 16.657 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 265940

Ion	Ratio	Lower	Upper
200	100		
173	27.6	7.6	47.6
215	49.8	29.0	69.0

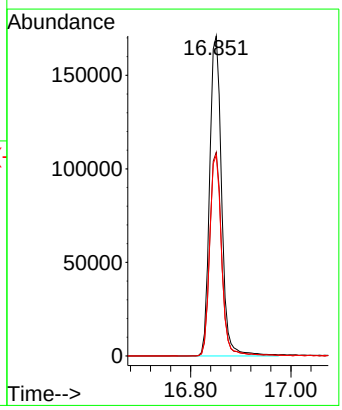


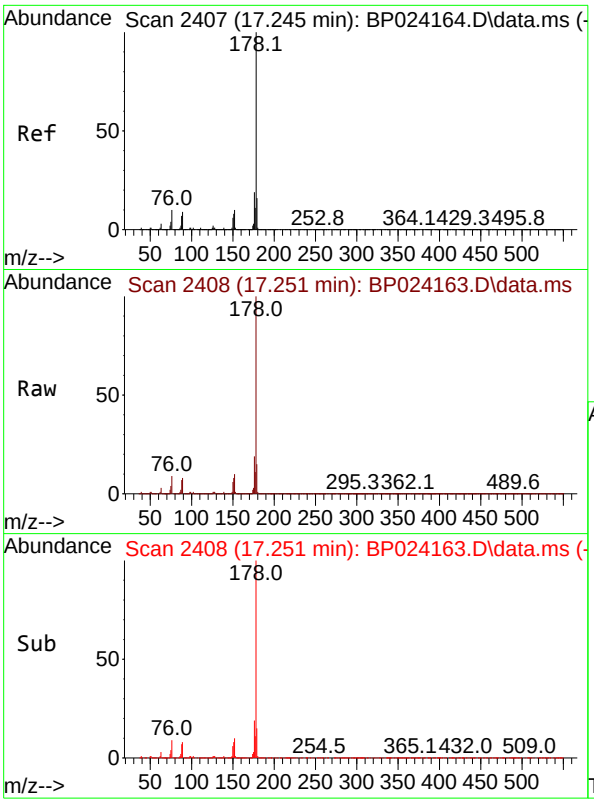


#70
Pentachlorophenol
Concen: 19.373 ng
RT: 16.851 min Scan# 2340
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:266 Resp: 282344

Ion	Ratio	Lower	Upper
266	100		
268	63.7	51.3	76.9
264	62.7	50.6	76.0



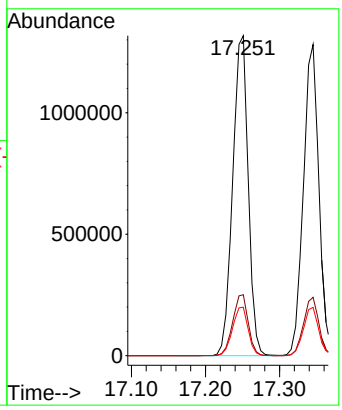


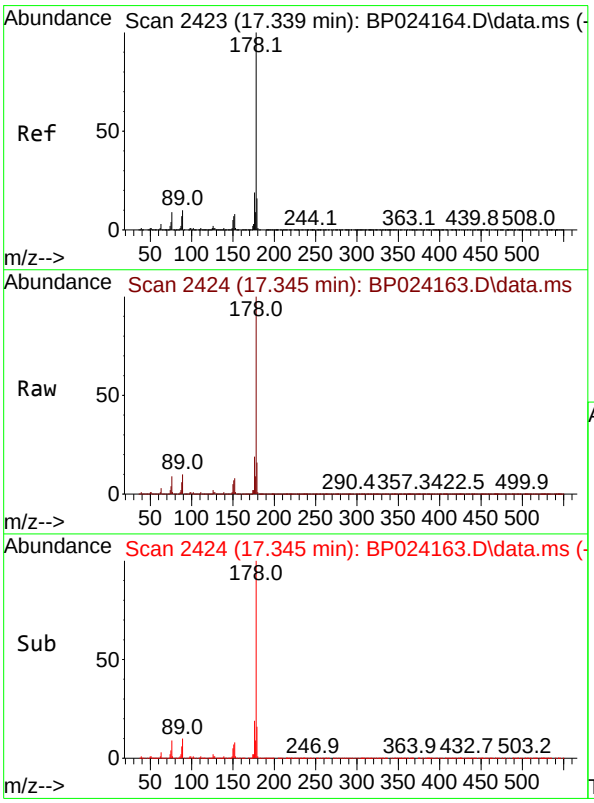
#71
Phenanthrene
Concen: 19.965 ng
RT: 17.251 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 1911548

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.6	23.4
179	15.2	12.5	18.7

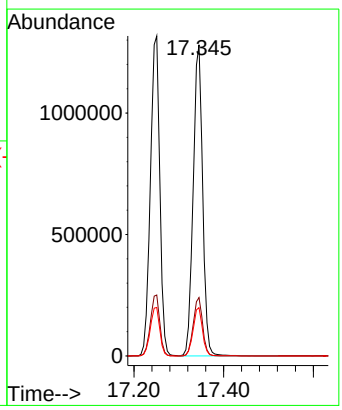


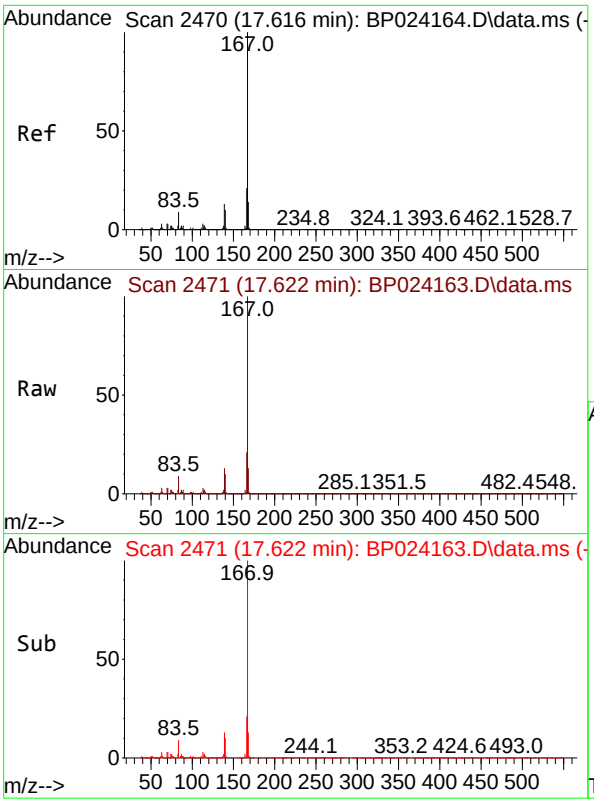


#72
Anthracene
Concen: 20.386 ng
RT: 17.345 min Scan# 2424
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:178 Resp: 1870471

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.2	22.8
179	15.5	12.6	18.8



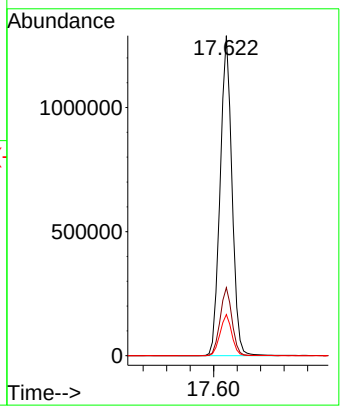


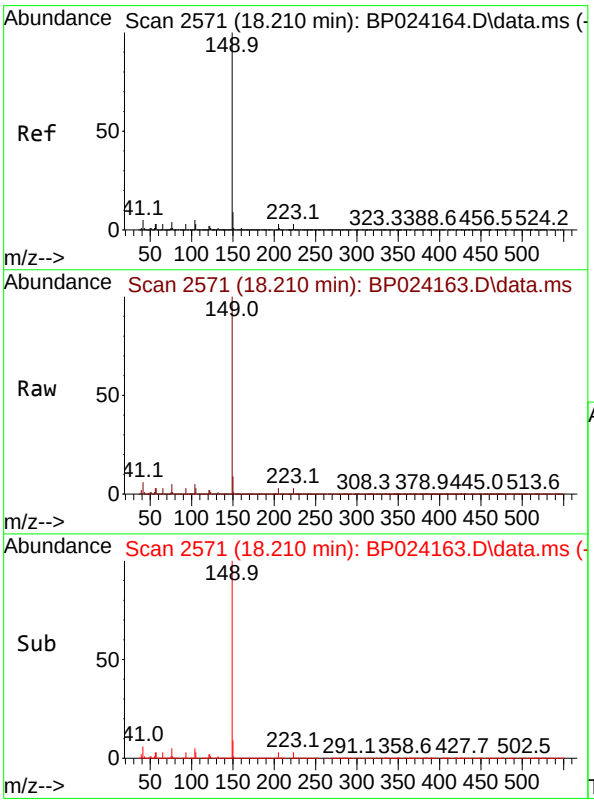
#73
Carbazole
Concen: 20.589 ng
RT: 17.622 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 1799842

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.1	25.7
139	12.8	10.2	15.4

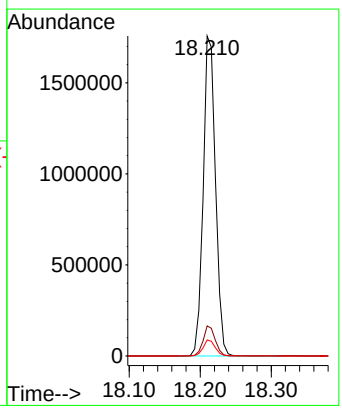


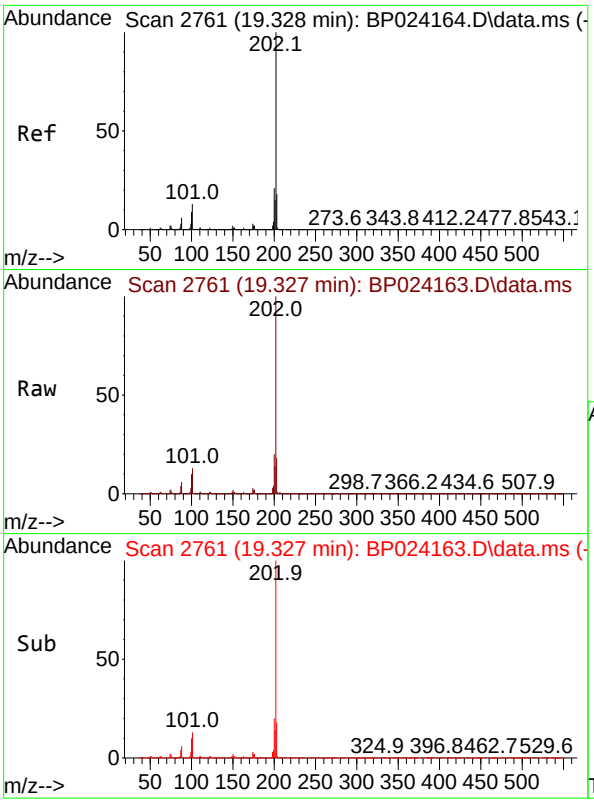


#74
Di-n-butylphthalate
Concen: 20.765 ng
RT: 18.210 min Scan# 2571
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:149 Resp: 2118089

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.6	11.4
104	5.0	3.9	5.9



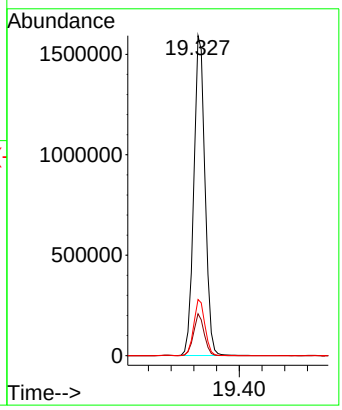


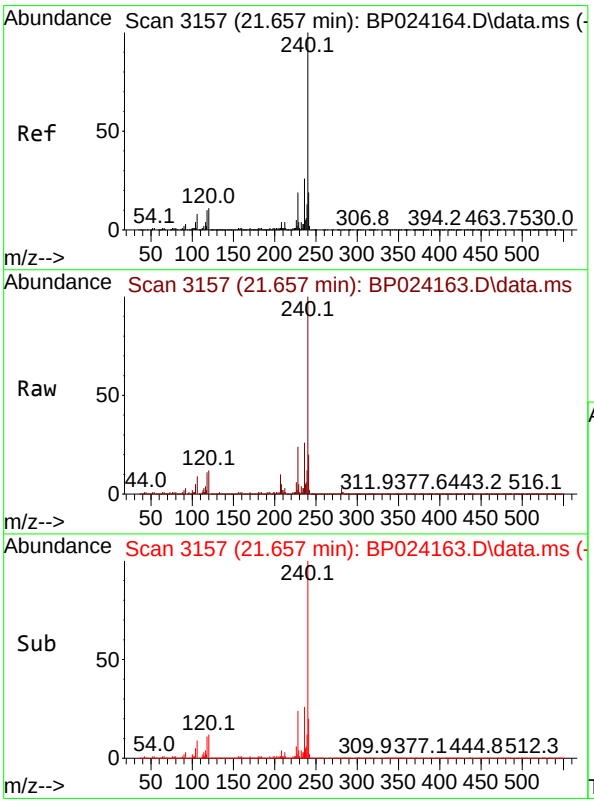
#75
Fluoranthene
Concen: 20.186 ng
RT: 19.327 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 2186012

Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	32.5
203	17.5	0.0	37.9

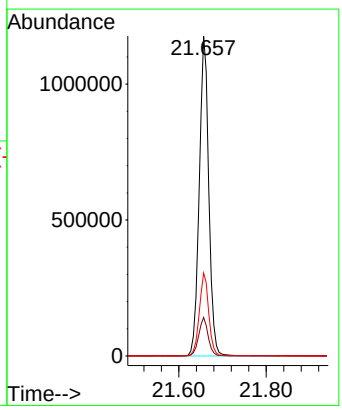


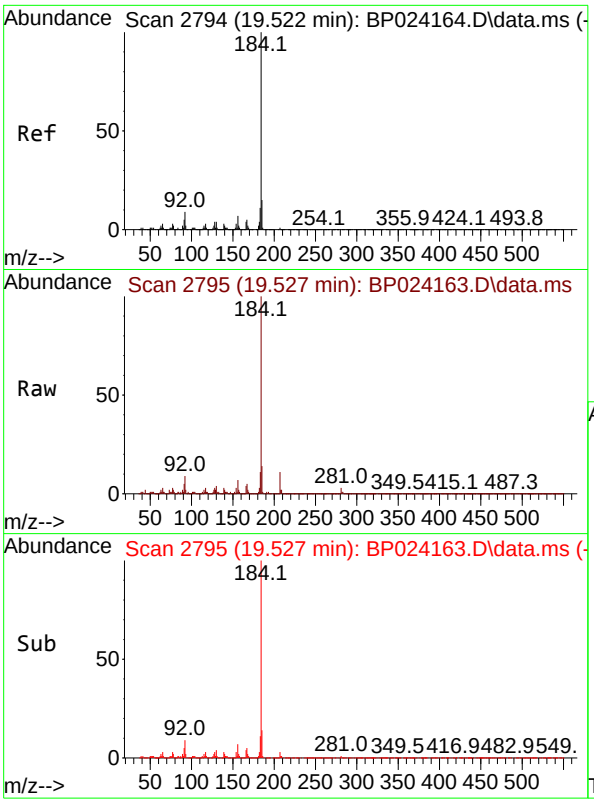


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.657 min Scan# 3157
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:240 Resp: 1778727

Ion	Ratio	Lower	Upper
240	100		
120	12.1	9.2	13.8
236	25.9	20.4	30.6



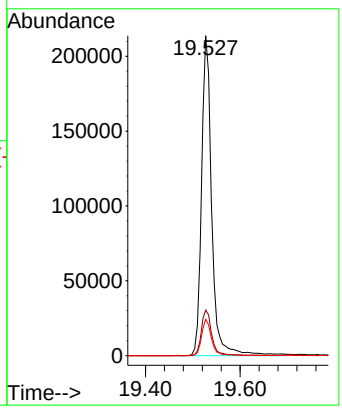


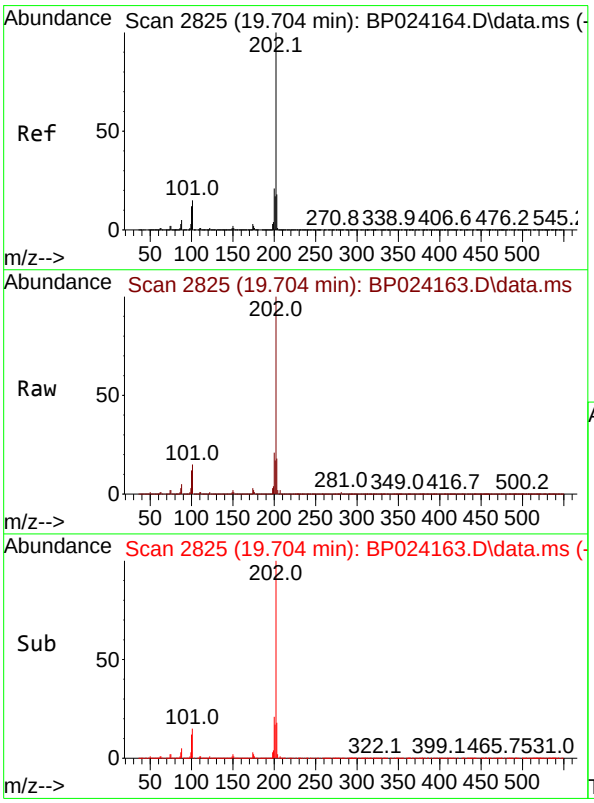
#77
Benzidine
Concen: 14.642 ng
RT: 19.527 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 317361

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.8	17.6
183	11.4	9.1	13.7

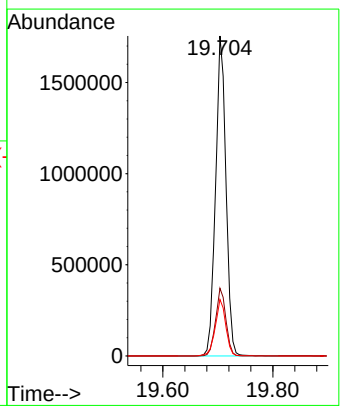


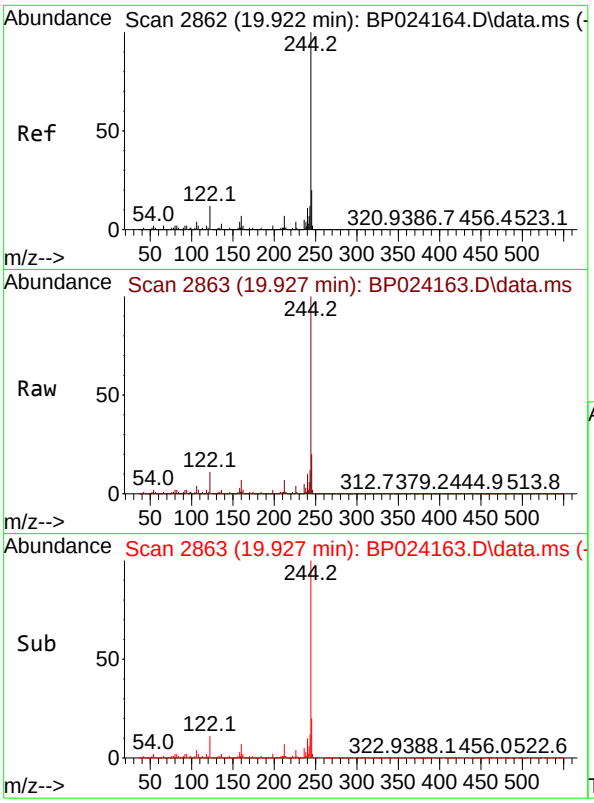


#78
Pyrene
Concen: 20.454 ng
RT: 19.704 min Scan# 2825
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:202 Resp: 2310992

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.1	25.7
203	17.6	14.2	21.4



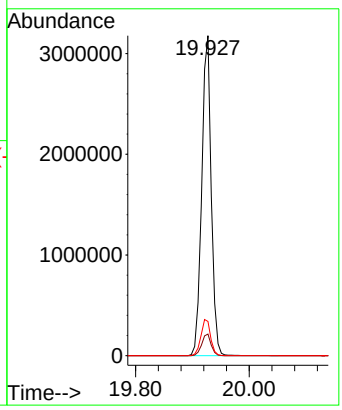


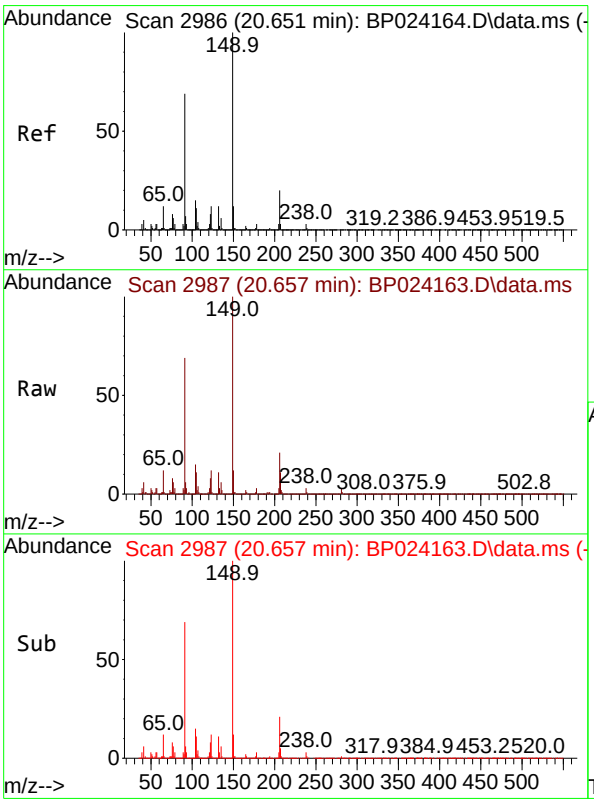
#79
Terphenyl-d14
Concen: 40.898 ng
RT: 19.927 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 3676388

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.7	8.5
122	10.7	9.6	14.4

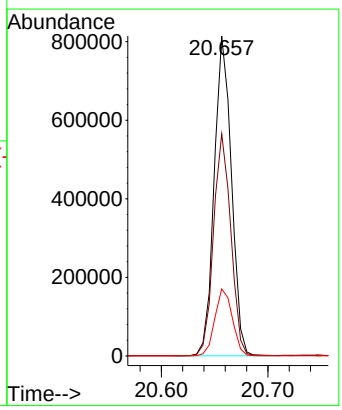


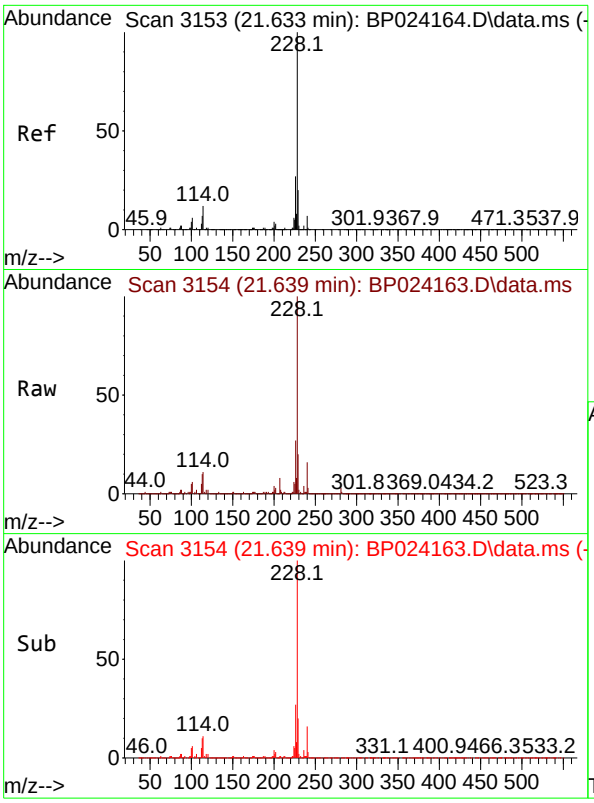


#80
Butylbenzylphthalate
Concen: 21.082 ng
RT: 20.657 min Scan# 2987
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:149 Resp: 912738

Ion	Ratio	Lower	Upper
149	100		
91	69.4	55.3	82.9
206	20.9	16.1	24.1



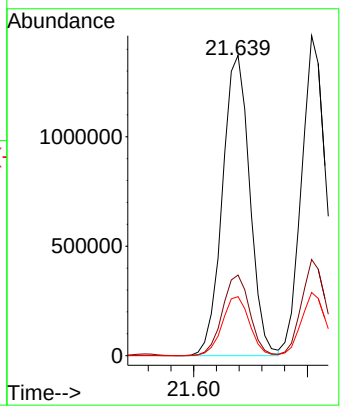


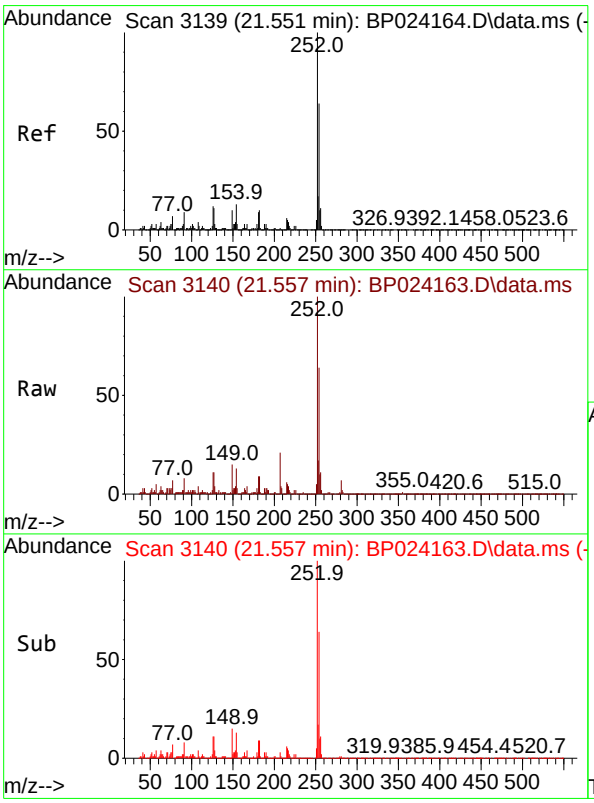
#81
Benzo(a)anthracene
Concen: 20.583 ng
RT: 21.639 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 2295776

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.8	32.8
229	19.6	16.0	24.0

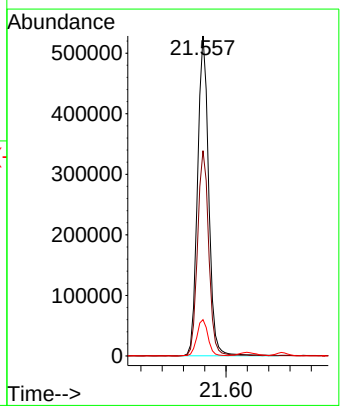


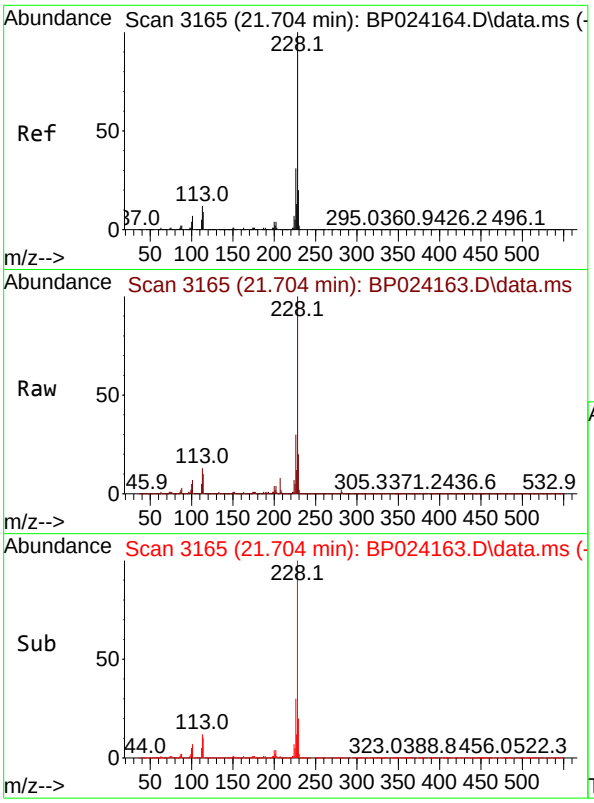


#82
3,3'-Dichlorobenzidine
Concen: 21.882 ng
RT: 21.557 min Scan# 3140
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:252 Resp: 762665

Ion	Ratio	Lower	Upper
252	100		
254	64.1	51.4	77.2
126	11.4	9.3	13.9



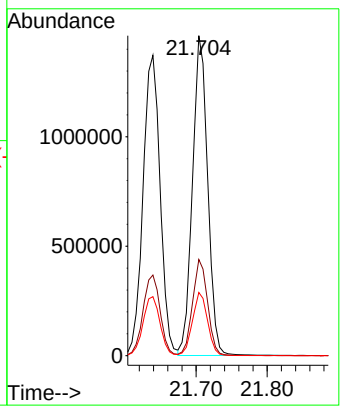


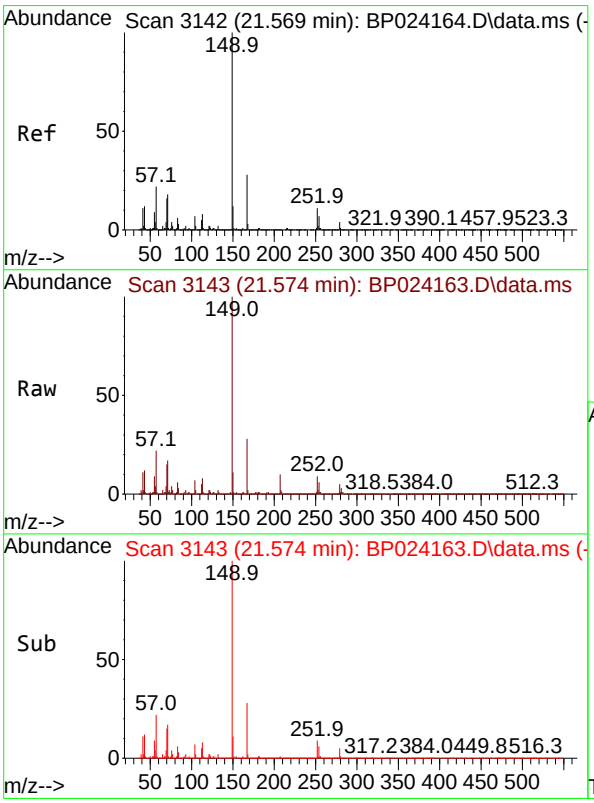
#83
Chrysene
Concen: 20.250 ng
RT: 21.704 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 2177924

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.5	36.7
229	19.8	16.2	24.2

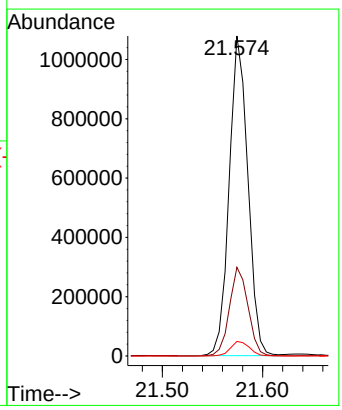


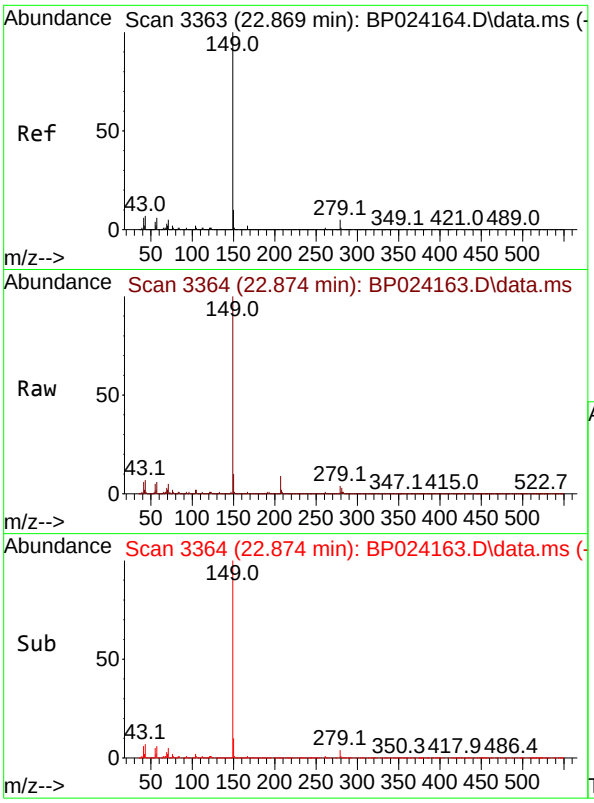


#84
Bis(2-ethylhexyl)phthalate
Concen: 21.249 ng
RT: 21.574 min Scan# 3143
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:149 Resp: 1395096

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.5	33.7
279	4.5	3.6	5.4



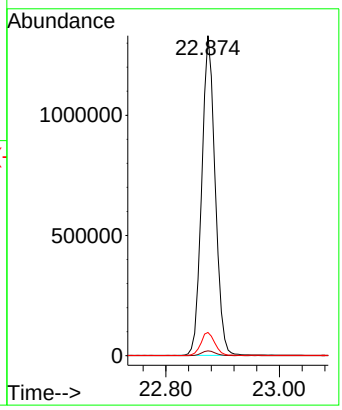


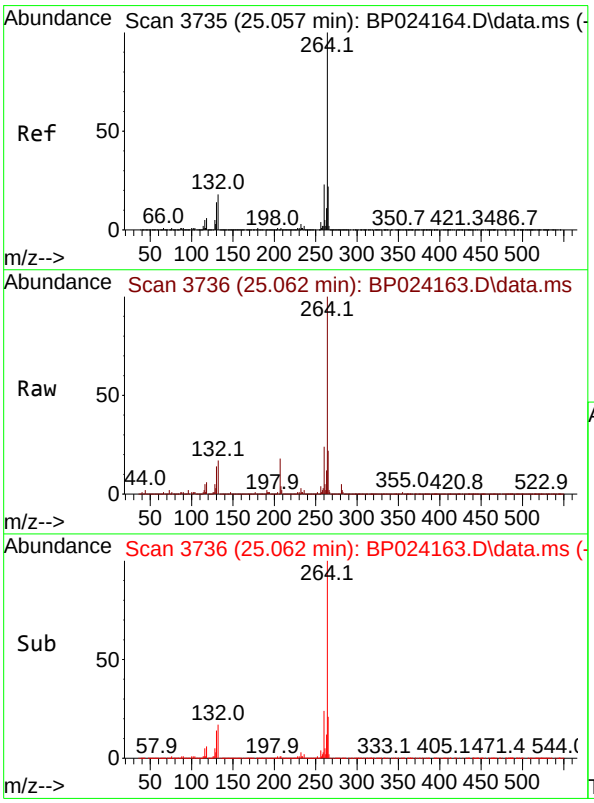
#85
Di-n-octyl phthalate
Concen: 20.752 ng
RT: 22.874 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 2177750

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	7.5	5.8	8.8

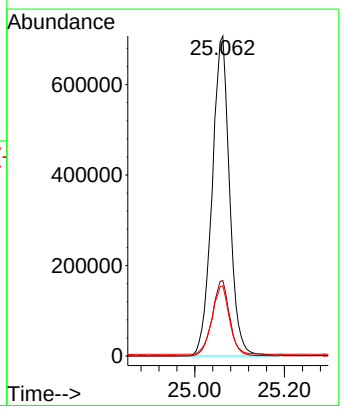


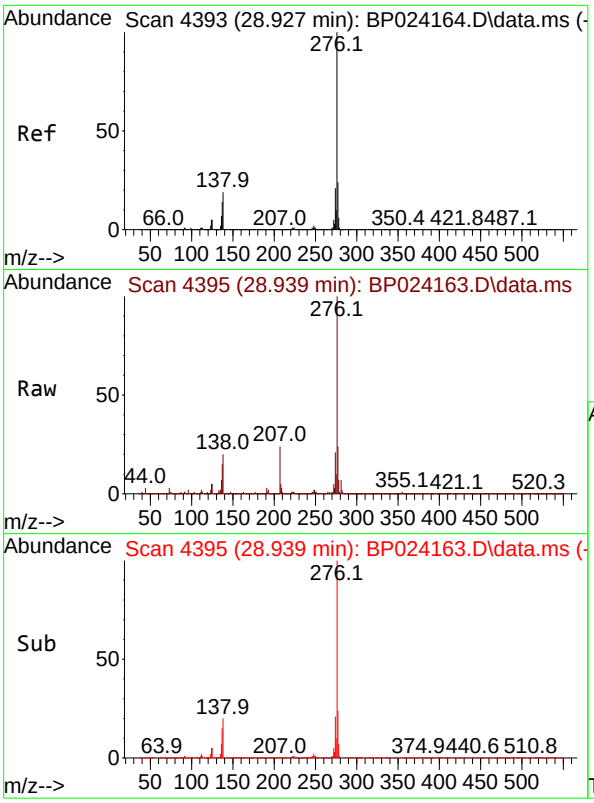


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.062 min Scan# 3736
Delta R.T. 0.006 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:264 Resp: 1914395

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.5	27.7
265	22.0	17.7	26.5



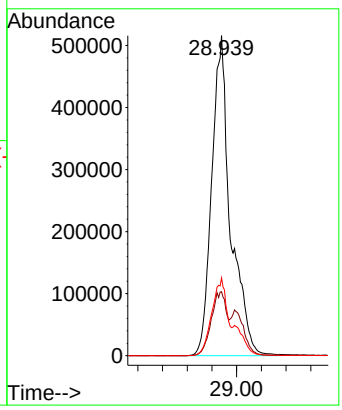


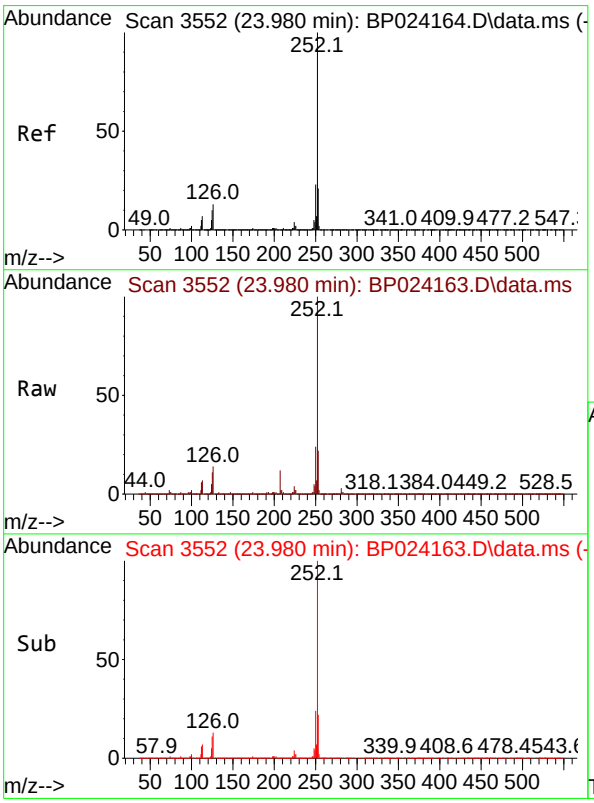
#87
Indeno(1,2,3-cd)pyrene
Concen: 19.980 ng
RT: 28.939 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 2721144

Ion	Ratio	Lower	Upper
276	100		
138	16.2	13.7	20.5
277	19.5	20.2	30.2#

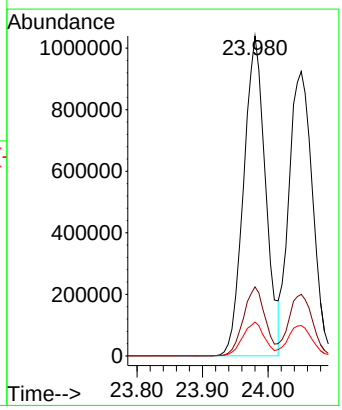


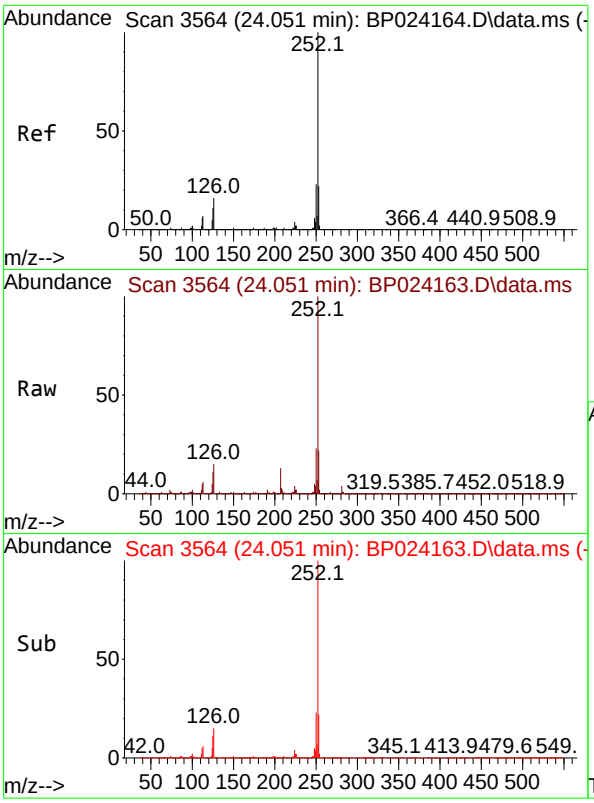


#88
Benzo(b)fluoranthene
Concen: 19.806 ng
RT: 23.980 min Scan# 3552
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:252 Resp: 2407773

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.2	25.8
125	10.6	8.2	12.4



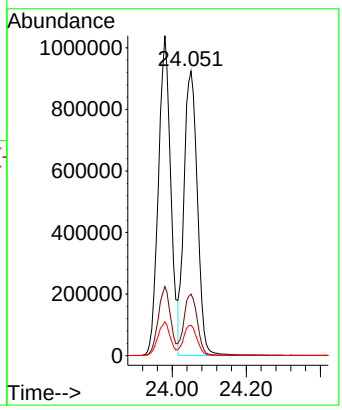


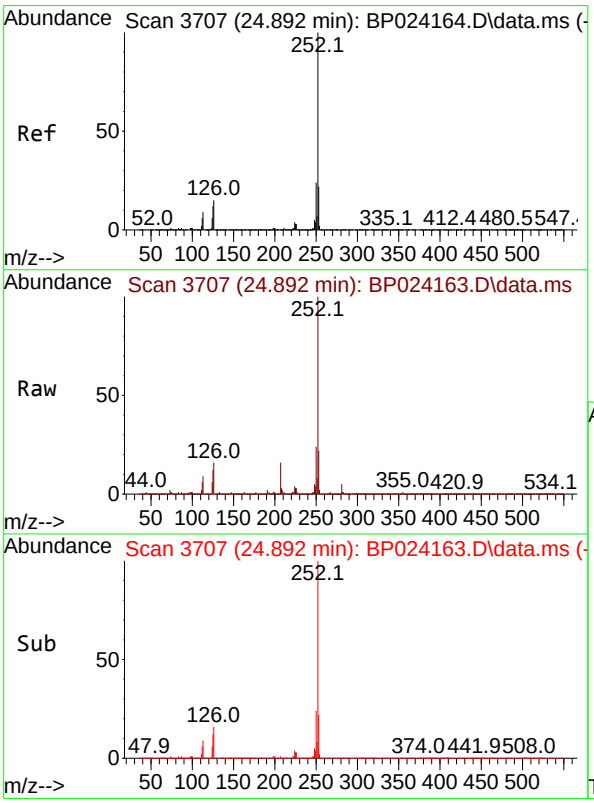
#89
Benzo(k)fluoranthene
Concen: 19.624 ng
RT: 24.051 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 2322149

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	10.7	9.1	13.7

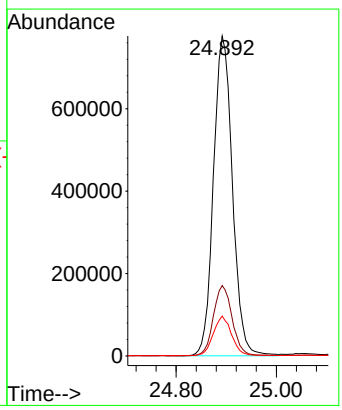


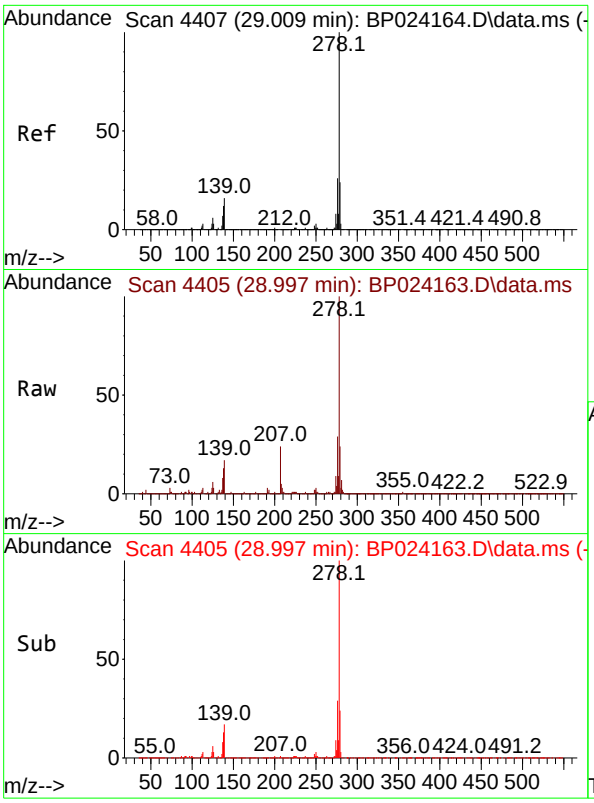


#90
Benzo(a)pyrene
Concen: 19.755 ng
RT: 24.892 min Scan# 3707
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:252 Resp: 2038106

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	12.5	9.6	14.4



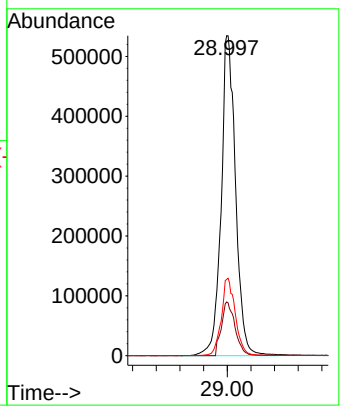


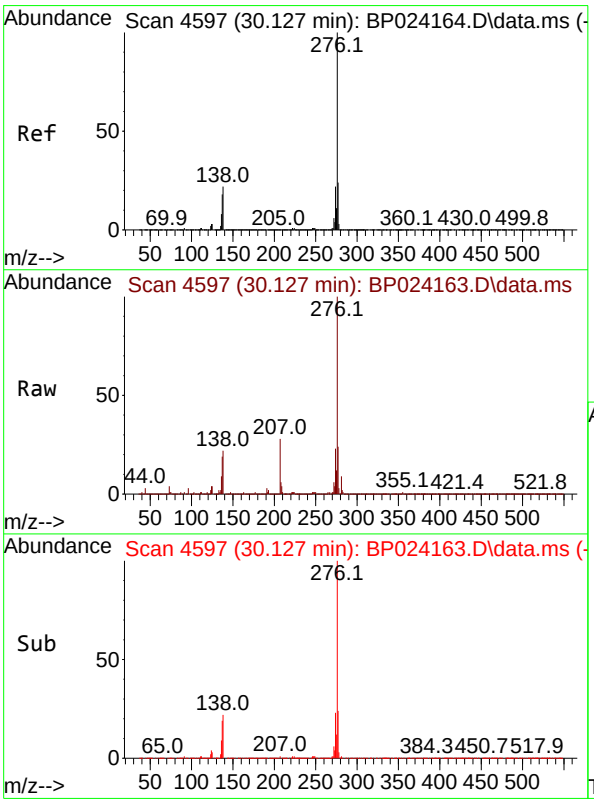
#91
Dibenzo(a,h)anthracene
Concen: 19.797 ng
RT: 28.997 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 2267016

Ion	Ratio	Lower	Upper
278	100		
139	16.8	13.0	19.4
279	23.8	18.8	28.2

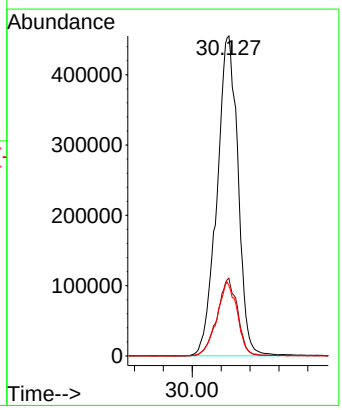




#92
Benzo(g,h,i)perylene
Concen: 19.746 ng
RT: 30.127 min Scan# 4597
Delta R.T. -0.000 min
Lab File: BP024163.D
Acq: 12 Mar 2025 18:19

Tgt Ion:276 Resp: 2294574

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.2	28.8
138	21.9	17.4	26.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024164.D
Acq On : 12 Mar 2025 19:00
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: Mar 13 04:08:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	383350	20.000	ng	0.00
21) Naphthalene-d8	10.552	136	1538579	20.000	ng	0.00
39) Acenaphthene-d10	14.404	164	930584	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	1720919	20.000	ng	0.00
76) Chrysene-d12	21.657	240	1881172	20.000	ng	0.00
86) Perylene-d12	25.057	264	2043442	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	1856351	75.560	ng	0.00
7) Phenol-d6	6.952	99	2501405	79.217	ng	0.00
23) Nitrobenzene-d5	8.922	82	2157744	78.240	ng	0.00
42) 2,4,6-Tribromophenol	15.916	330	938209	82.309	ng	0.00
45) 2-Fluorobiphenyl	13.016	172	4911554	73.785	ng	0.00
79) Terphenyl-d14	19.922	244	7133778	75.038	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.323	88	359722	37.325	ng	100
3) Pyridine	3.717	79	1004903	40.105	ng	100
4) n-Nitrosodimethylamine	3.623	42	330244	37.156	ng	100
6) Aniline	7.111	93	1138144	39.358	ng	100
8) 2-Chlorophenol	7.346	128	1001335	38.507	ng	100
9) Benzaldehyde	6.922	77	597740	41.462	ng	100
10) Phenol	6.975	94	1248029	39.305	ng	100
11) bis(2-Chloroethyl)ether	7.199	93	976195	39.033	ng	100
12) 1,3-Dichlorobenzene	7.664	146	1063428	37.225	ng	100
13) 1,4-Dichlorobenzene	7.811	146	1083221	37.495	ng	100
14) 1,2-Dichlorobenzene	8.122	146	1041511	37.564	ng	100
15) Benzyl Alcohol	8.011	79	798656	41.320	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.305	45	991099	40.824	ng	100
17) 2-Methylphenol	8.216	107	795971	41.136	ng	100
18) Hexachloroethane	8.846	117	389110	37.399	ng	100
19) n-Nitroso-di-n-propyla...	8.575	70	737233	43.423	ng	100
20) 3+4-Methylphenols	8.540	107	1098375	41.727	ng	100
22) Acetophenone	8.587	105	1525122	38.574	ng	100
24) Nitrobenzene	8.963	77	1049347	38.662	ng	100
25) Isophorone	9.487	82	1853580	41.100	ng	100
26) 2-Nitrophenol	9.669	139	525614	42.034	ng	100
27) 2,4-Dimethylphenol	9.734	122	661755	40.316	ng	100
28) bis(2-Chloroethoxy)met...	9.963	93	1285698	39.353	ng	100
29) 2,4-Dichlorophenol	10.205	162	912137	40.720	ng	100
30) 1,2,4-Trichlorobenzene	10.416	180	960872	37.439	ng	100
31) Naphthalene	10.605	128	3167478	38.287	ng	100
32) Benzoic acid	9.875	122	670600	44.564	ng	100
33) 4-Chloroaniline	10.710	127	1159633	39.789	ng	100
34) Hexachlorobutadiene	10.893	225	553609	37.241	ng	100
35) Caprolactam	11.499	113	299017	44.083	ng	100
36) 4-Chloro-3-methylphenol	11.840	107	966642	41.977	ng	100
37) 2-Methylnaphthalene	12.210	142	2167502	39.419	ng	100
38) 1-Methylnaphthalene	12.434	142	2071946	38.734	ng	100
40) 1,2,4,5-Tetrachloroben...	12.587	216	1039275	36.348	ng	100
41) Hexachlorocyclopentadiene	12.563	237	395145	37.139	ng	100
43) 2,4,6-Trichlorophenol	12.828	196	692810	39.731	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024164.D
Acq On : 12 Mar 2025 19:00
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: Mar 13 04:08:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.899	196	760360	39.872	ng	100
46) 1,1'-Biphenyl	13.228	154	2720465	37.621	ng	100
47) 2-Chloronaphthalene	13.269	162	2037284	37.269	ng	100
48) 2-Nitroaniline	13.475	65	543429	42.085	ng	100
49) Acenaphthylene	14.128	152	3091813	38.389	ng	100
50) Dimethylphthalate	13.857	163	2526732	38.493	ng	100
51) 2,6-Dinitrotoluene	13.975	165	546912	40.901	ng	100
52) Acenaphthene	14.469	154	1973969	38.061	ng	100
53) 3-Nitroaniline	14.310	138	599822	42.038	ng	100
54) 2,4-Dinitrophenol	14.522	184	297379	41.760	ng	100
55) Dibenzofuran	14.810	168	3184940	37.802	ng	100
56) 4-Nitrophenol	14.634	139	515335	41.811	ng	100
57) 2,4-Dinitrotoluene	14.775	165	732669	42.180	ng	100
58) Fluorene	15.469	166	2502924	38.039	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.040	232	662947	40.068	ng	100
60) Diethylphthalate	15.240	149	2527904	38.794	ng	100
61) 4-Chlorophenyl-phenyle...	15.463	204	1225168	37.829	ng	100
62) 4-Nitroaniline	15.487	138	638694	43.134	ng	100
63) Azobenzene	15.763	77	2401881	39.335	ng	100
65) 4,6-Dinitro-2-methylph...	15.551	198	412313	41.395	ng	100
66) n-Nitrosodiphenylamine	15.681	169	2063452	38.450	ng	100
67) 4-Bromophenyl-phenylether	16.375	248	745376	38.570	ng	100
68) Hexachlorobenzene	16.492	284	873989	38.435	ng	100
69) Atrazine	16.657	200	466258	33.855	ng	100
70) Pentachlorophenol	16.845	266	610729	41.352	ng	100
71) Phenanthrene	17.245	178	3727050	38.414	ng	100
72) Anthracene	17.339	178	3658135	39.344	ng	100
73) Carbazole	17.616	167	3584494	40.463	ng	100
74) Di-n-butylphthalate	18.210	149	4336969	41.958	ng	100
75) Fluoranthene	19.328	202	4349734	39.636	ng	100
77) Benzidine	19.522	184	968916	42.268	ng	100
78) Pyrene	19.704	202	4529960	37.911	ng	100
80) Butylbenzylphthalate	20.651	149	1972887	43.087	ng	100
81) Benzo(a)anthracene	21.633	228	4546432	38.542	ng	100
82) 3,3'-Dichlorobenzidine	21.551	252	1610565	43.694	ng	100
83) Chrysene	21.704	228	4356257	38.298	ng	100
84) Bis(2-ethylhexyl)phtha...	21.569	149	2980735	42.929	ng	100
85) Di-n-octyl phthalate	22.869	149	4786749	43.129	ng	100
87) Indeno(1,2,3-cd)pyrene	28.927	276	5583803	38.410	ng	100
88) Benzo(b)fluoranthene	23.980	252	4864855	37.490	ng	100
89) Benzo(k)fluoranthene	24.051	252	4618537	36.566	ng	100
90) Benzo(a)pyrene	24.892	252	4204610	38.180	ng	100
91) Dibenzo(a,h)anthracene	29.009	278	4646524	38.014	ng	100
92) Benzo(g,h,i)perylene	30.127	276	4714749	38.011	ng	100

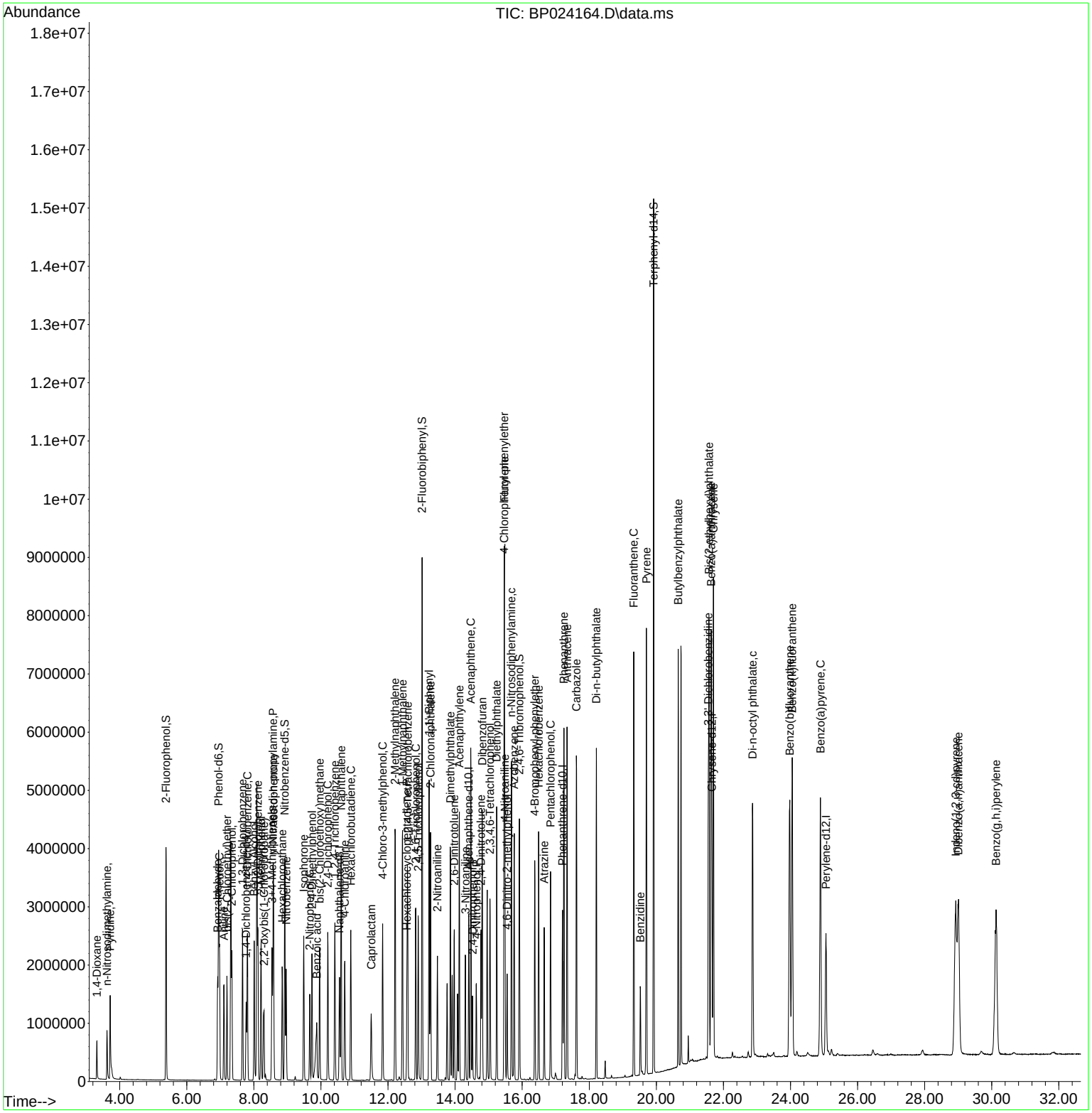
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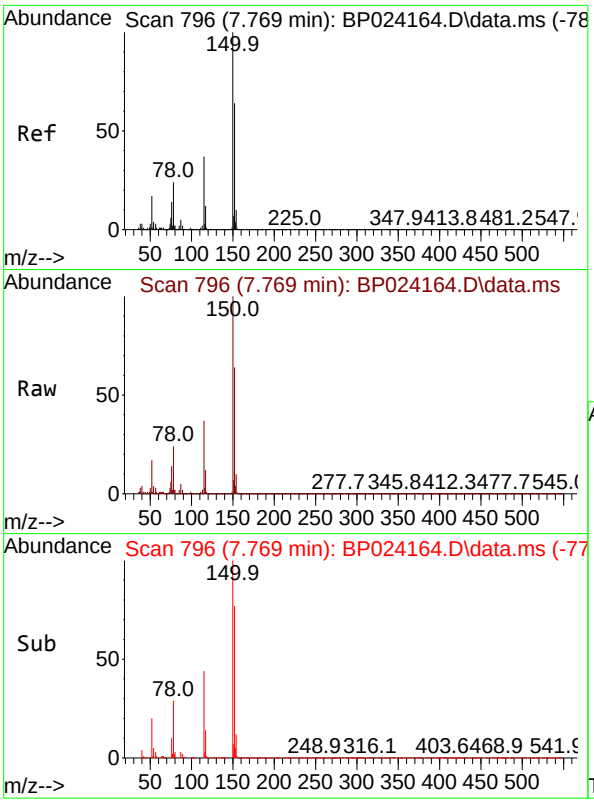
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024164.D
Acq On : 12 Mar 2025 19:00
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: Mar 13 04:08:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration



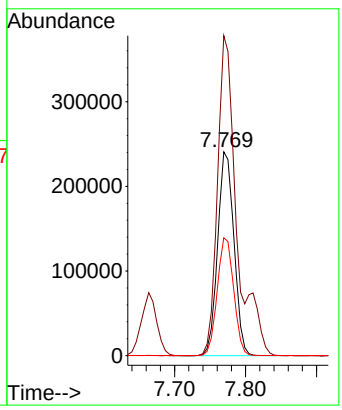


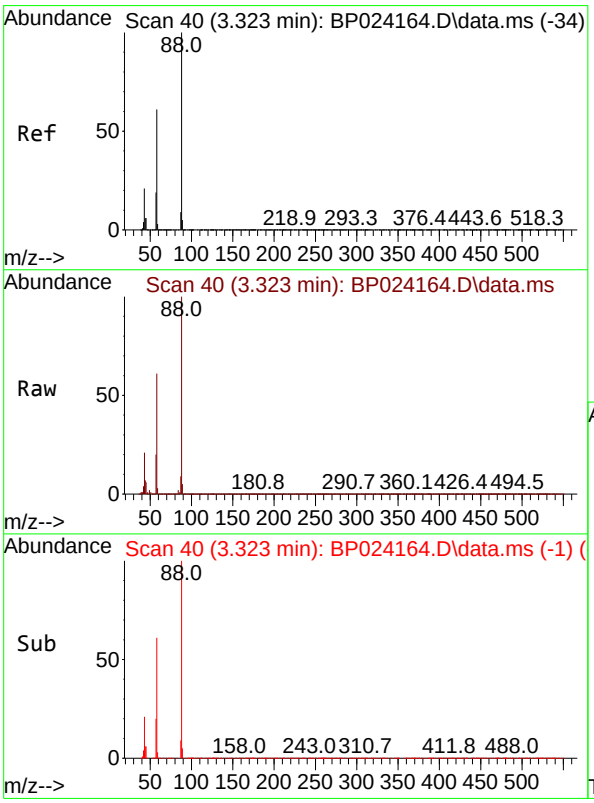
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 383350

Ion	Ratio	Lower	Upper
152	100		
150	156.9	125.5	188.3
115	57.9	46.3	69.5

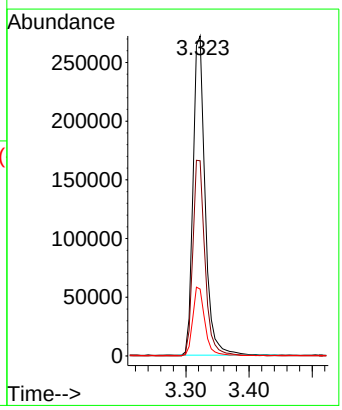


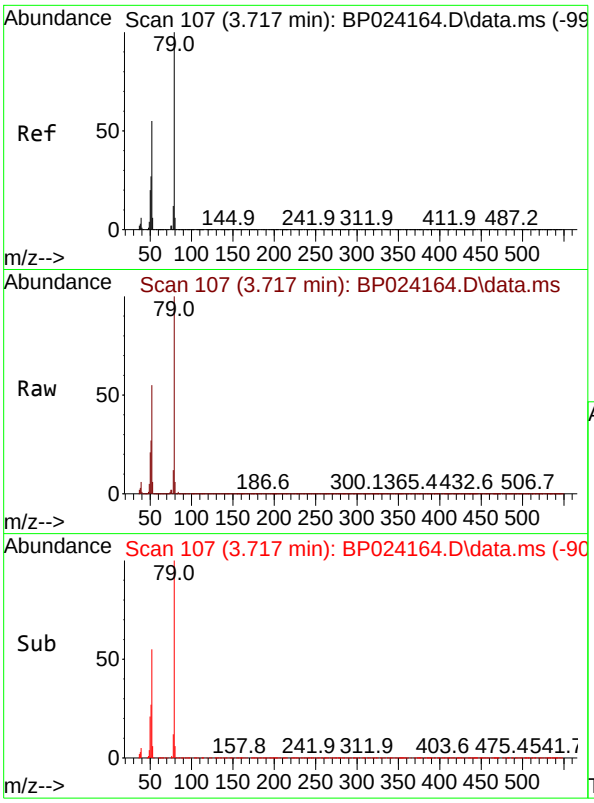


#2
1,4-Dioxane
Concen: 37.325 ng
RT: 3.323 min Scan# 40
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion: 88 Resp: 359722

Ion	Ratio	Lower	Upper
88	100		
58	62.2	49.8	74.6
43	21.6	17.3	25.9



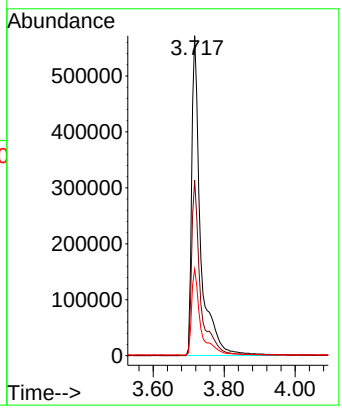


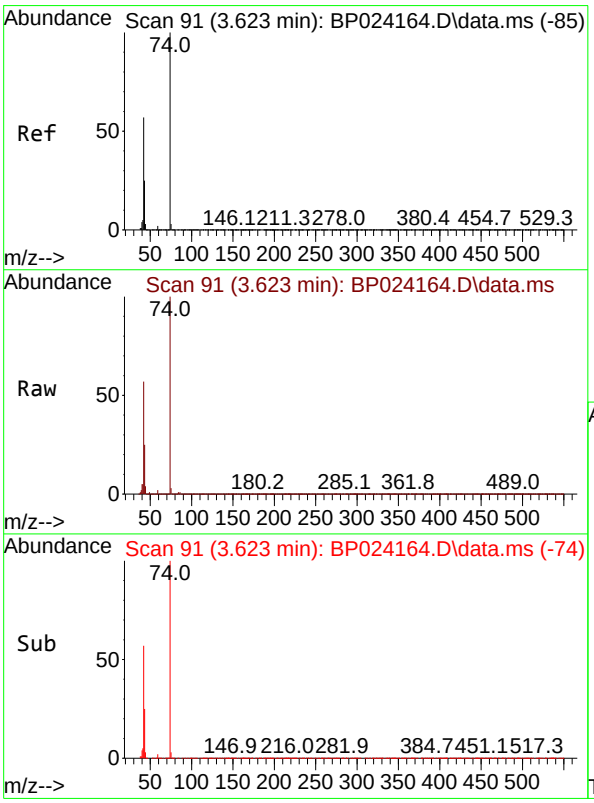
#3
Pyridine
Concen: 40.105 ng
RT: 3.717 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 1004903

Ion	Ratio	Lower	Upper
79	100		
52	54.8	43.8	65.8
51	27.0	21.6	32.4

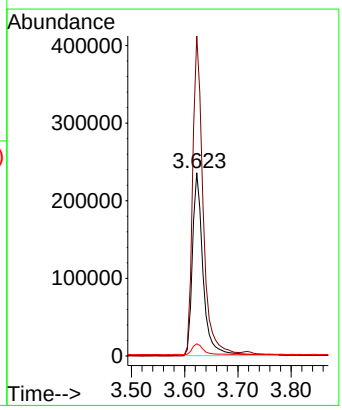


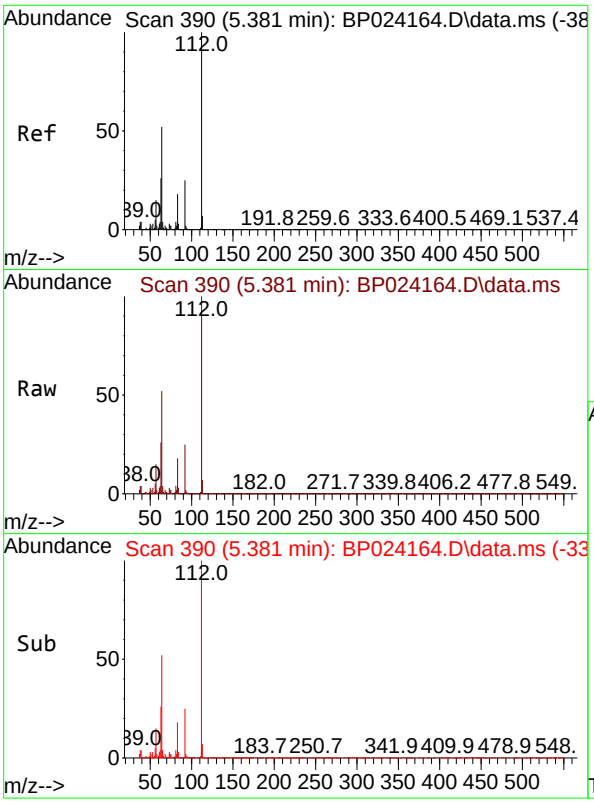


#4
n-Nitrosodimethylamine
Concen: 37.156 ng
RT: 3.623 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion: 42 Resp: 330244

Ion	Ratio	Lower	Upper
42	100		
74	174.7	139.8	209.6
44	6.6	5.3	7.9



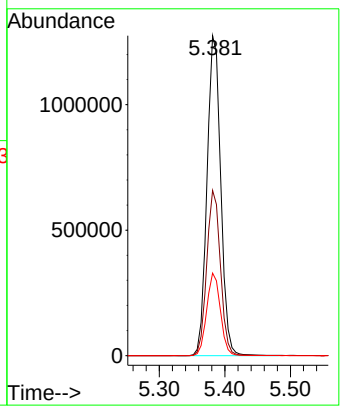


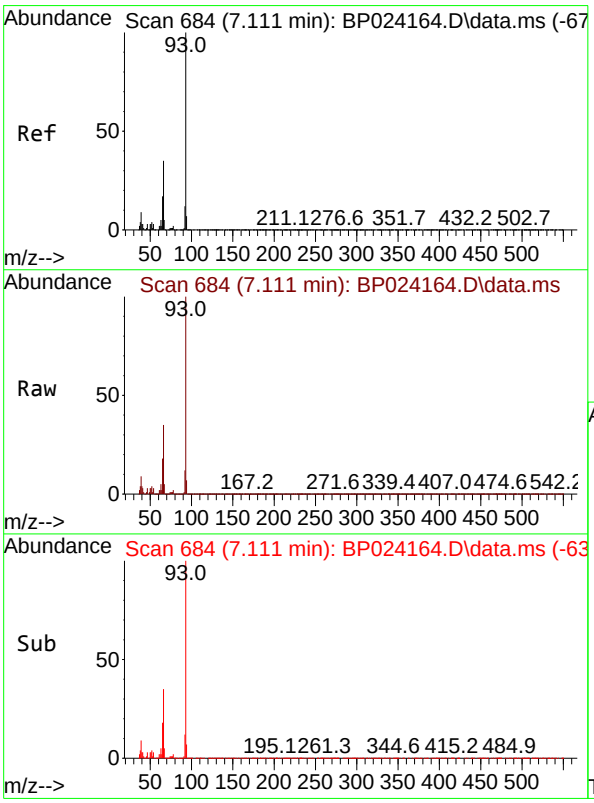
#5
2-Fluorophenol
Concen: 75.560 ng
RT: 5.381 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 1856351

Ion	Ratio	Lower	Upper
112	100		
64	51.6	41.3	61.9
63	25.8	20.6	31.0

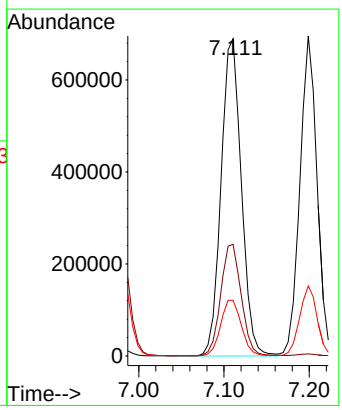


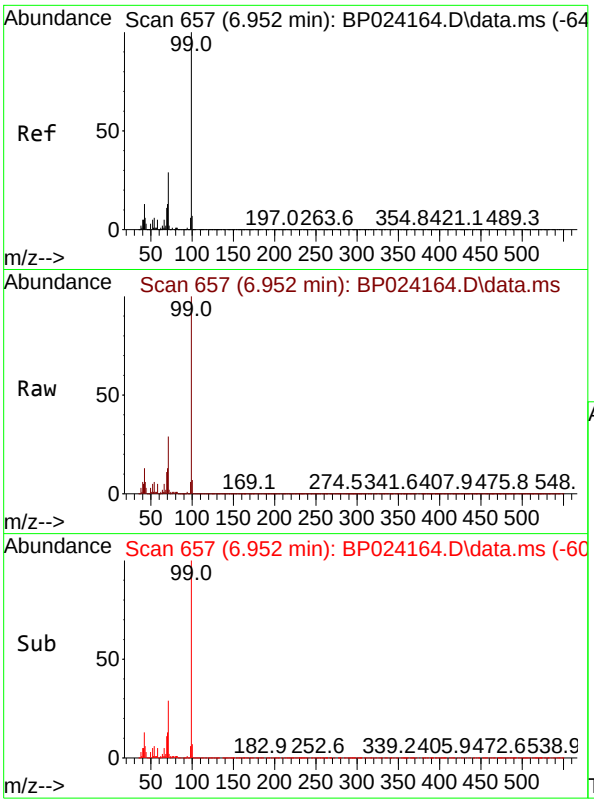


#6
Aniline
Concen: 39.358 ng
RT: 7.111 min Scan# 684
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion: 93 Resp: 1138144

Ion	Ratio	Lower	Upper
93	100		
66	35.2	28.2	42.2
65	17.5	14.0	21.0



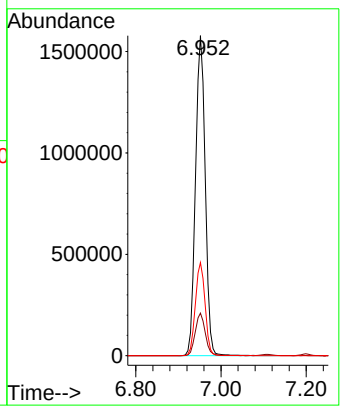


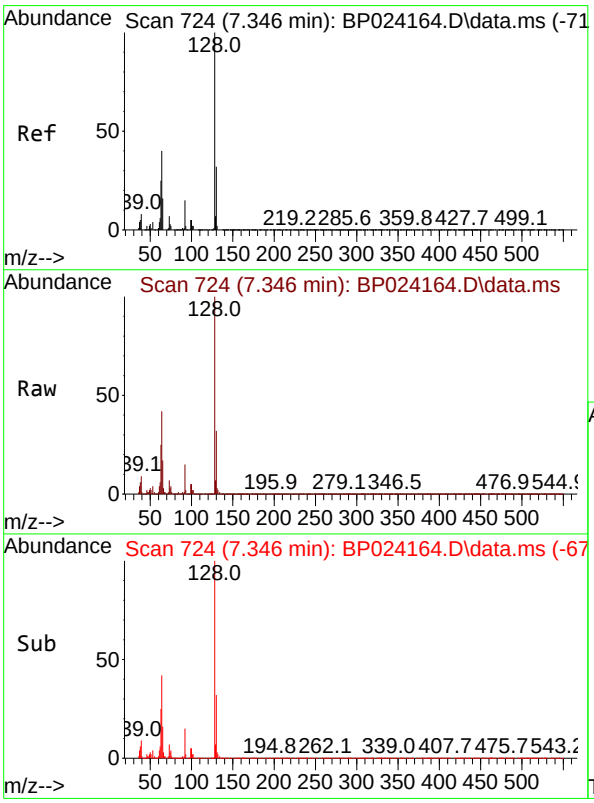
#7
Phenol-d6
Concen: 79.217 ng
RT: 6.952 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 2501405

Ion	Ratio	Lower	Upper
99	100		
42	13.3	10.6	16.0
71	29.1	23.3	34.9

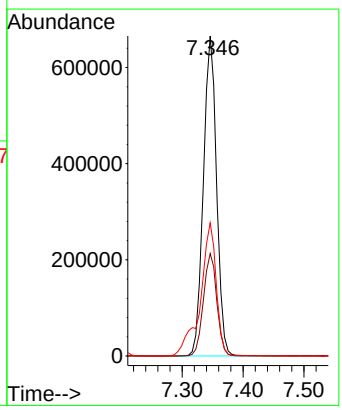


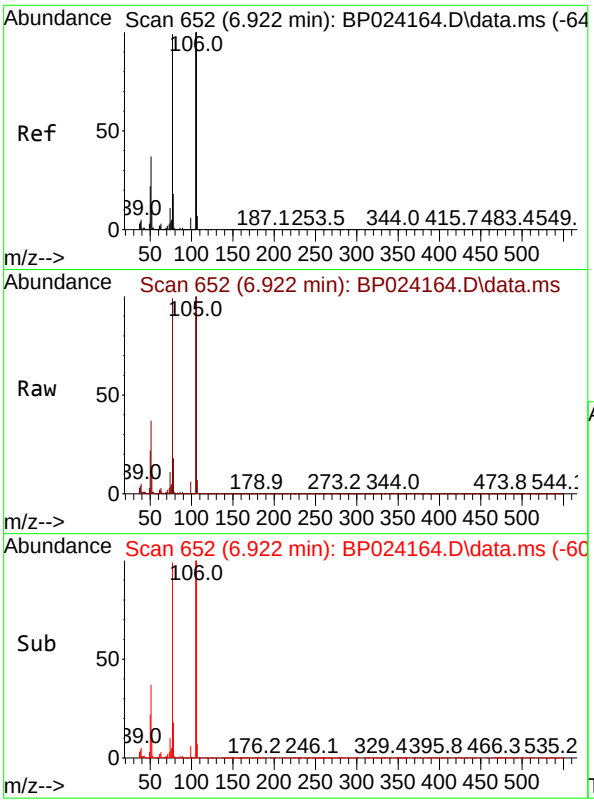


#8
2-Chlorophenol
Concen: 38.507 ng
RT: 7.346 min Scan# 724
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:128 Resp: 1001335

Ion	Ratio	Lower	Upper
128	100		
130	32.0	12.0	52.0
64	41.6	21.6	61.6



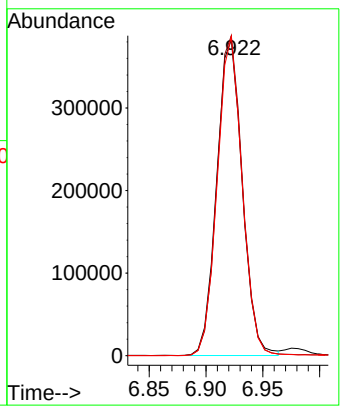


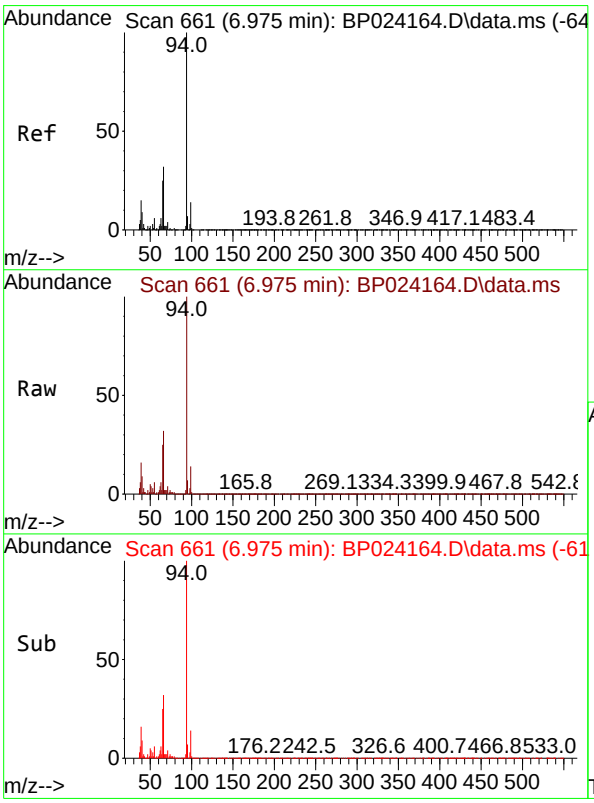
#9
Benzaldehyde
Concen: 41.462 ng
RT: 6.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 597740

Ion	Ratio	Lower	Upper
77	100		
105	101.4	81.4	121.4
106	101.1	81.1	121.1

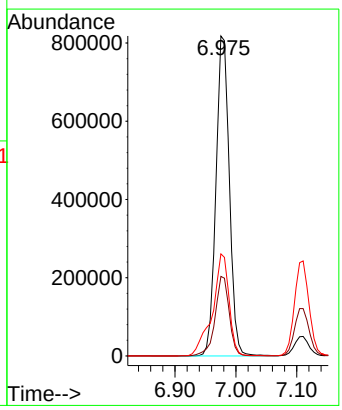


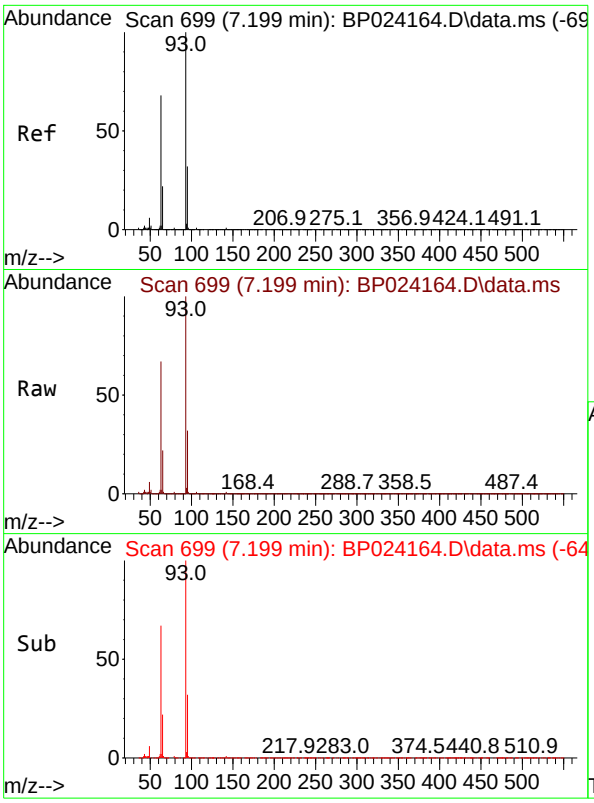


#10
Phenol
Concen: 39.305 ng
RT: 6.975 min Scan# 661
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion: 94 Resp: 1248029

Ion	Ratio	Lower	Upper
94	100		
65	24.9	4.9	44.9
66	31.9	11.9	51.9



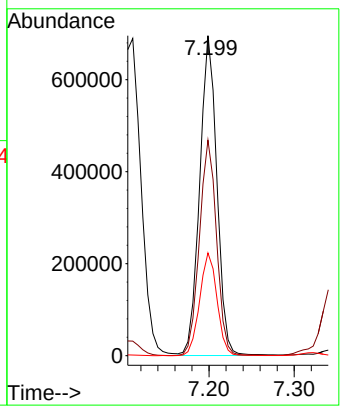


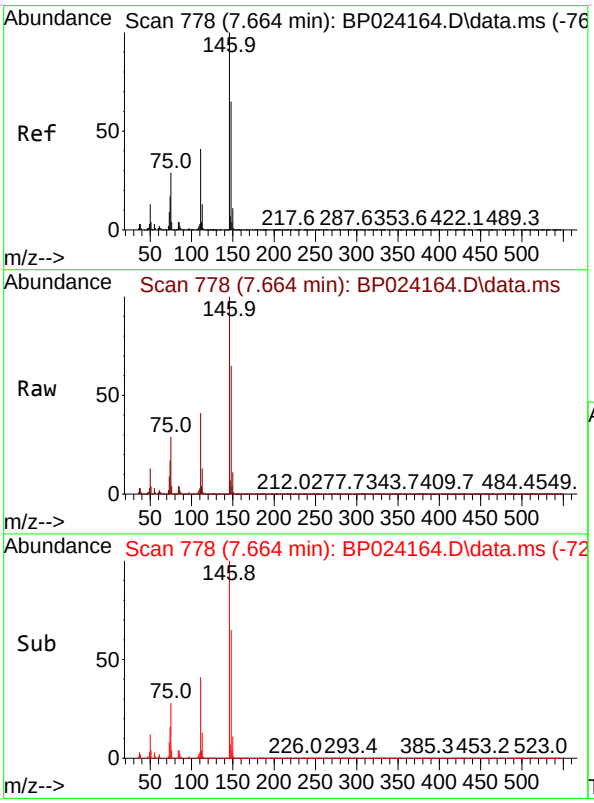
#11
bis(2-Chloroethyl)ether
Concen: 39.033 ng
RT: 7.199 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 976195

Ion	Ratio	Lower	Upper
93	100		
63	67.4	47.4	87.4
95	32.1	12.1	52.1

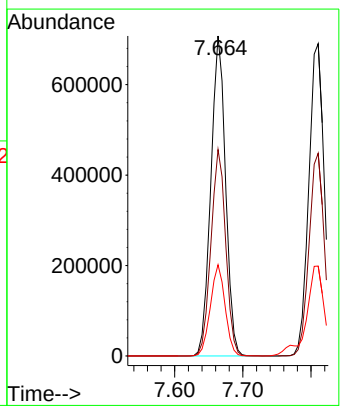


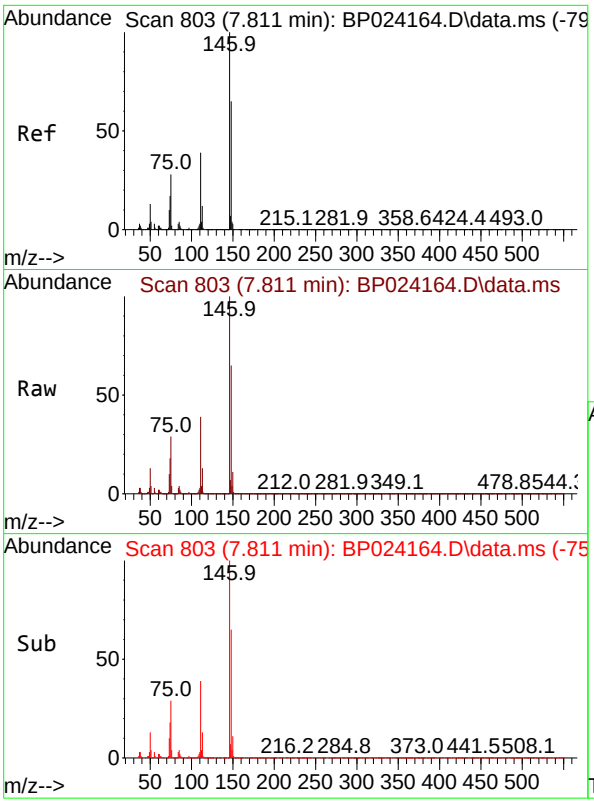


#12
1,3-Dichlorobenzene
Concen: 37.225 ng
RT: 7.664 min Scan# 778
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:146 Resp: 1063428

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.6	77.4
75	28.5	22.8	34.2



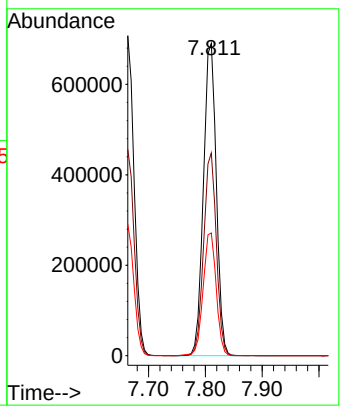


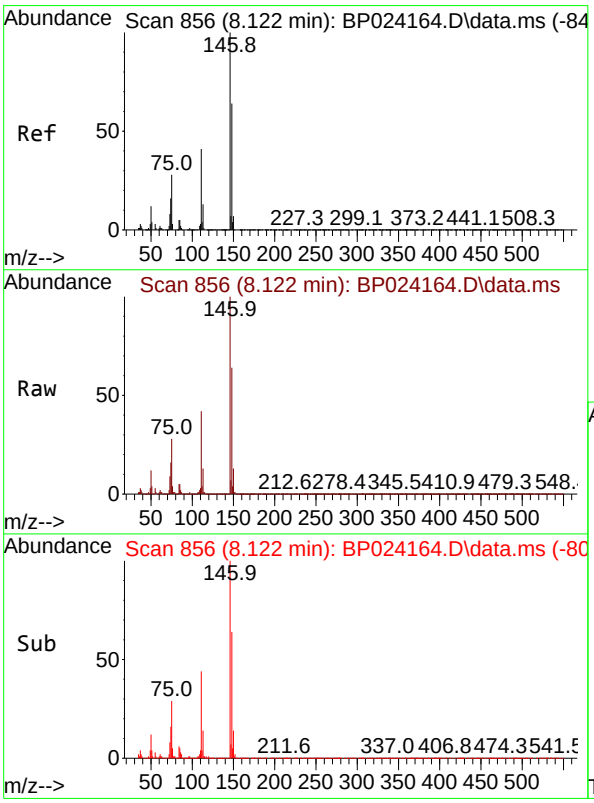
#13
1,4-Dichlorobenzene
Concen: 37.495 ng
RT: 7.811 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 1083221

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.9	77.9
111	39.3	31.4	47.2

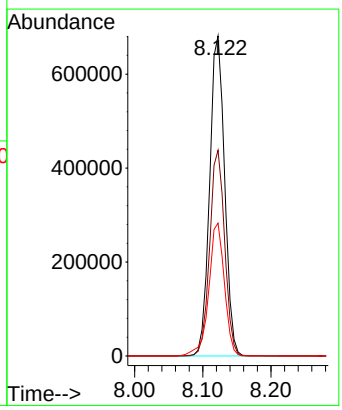


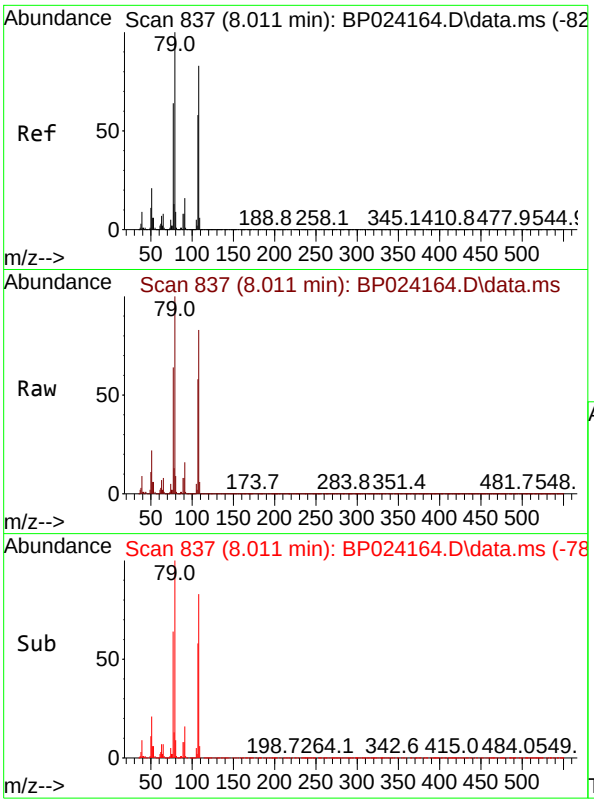


#14
1,2-Dichlorobenzene
Concen: 37.564 ng
RT: 8.122 min Scan# 856
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:146 Resp: 1041511

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.4	77.2
111	41.5	33.2	49.8



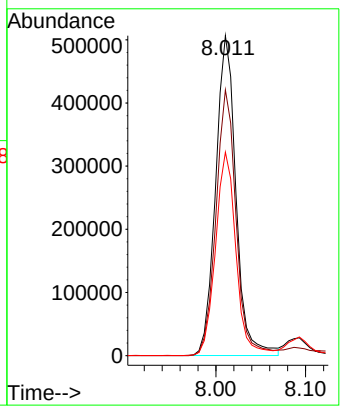


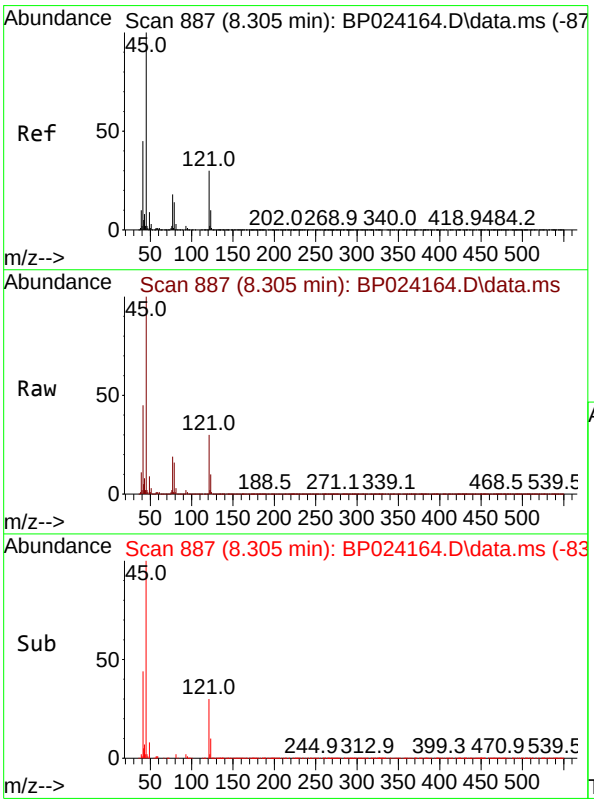
#15
Benzyl Alcohol
Concen: 41.320 ng
RT: 8.011 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 798656

Ion	Ratio	Lower	Upper
79	100		
108	83.1	66.5	99.7
77	63.6	50.9	76.3

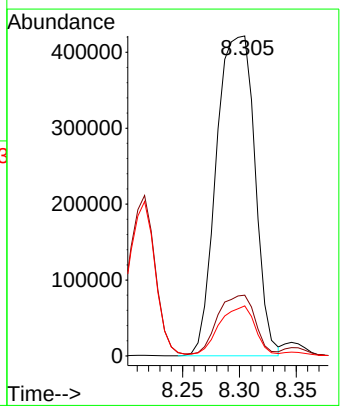


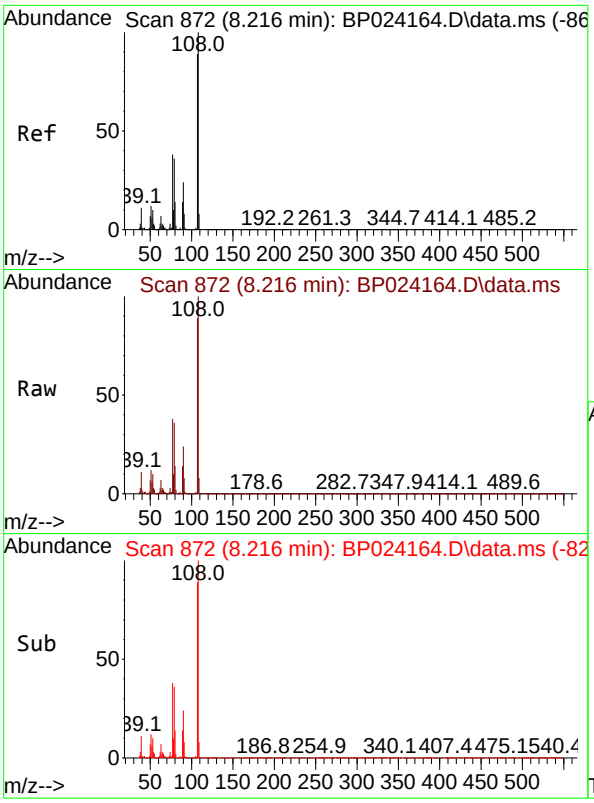


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.824 ng
RT: 8.305 min Scan# 887
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion: 45 Resp: 991099

Ion	Ratio	Lower	Upper
45	100		
77	19.0	0.0	39.0
79	15.6	0.0	35.6



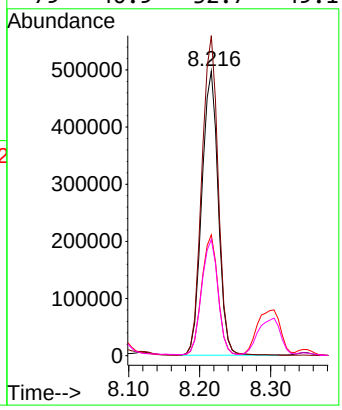


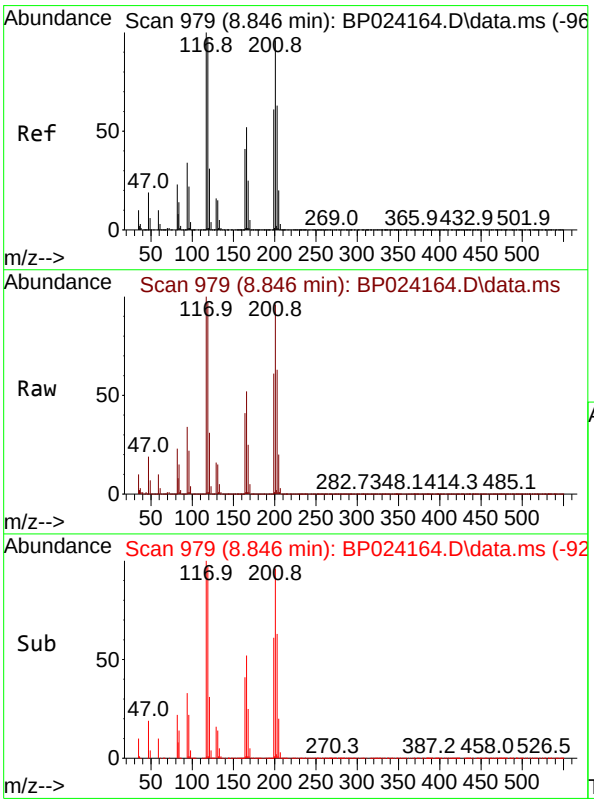
#17
2-Methylphenol
Concen: 41.136 ng
RT: 8.216 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 795971

Ion	Ratio	Lower	Upper
107	100		
108	112.5	90.0	135.0
77	42.5	34.0	51.0
79	40.9	32.7	49.1

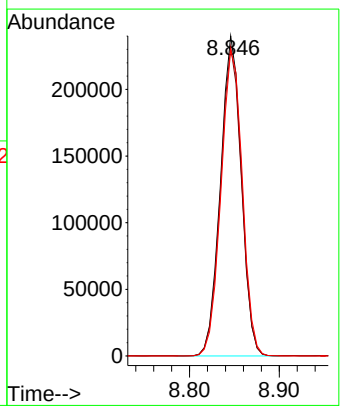


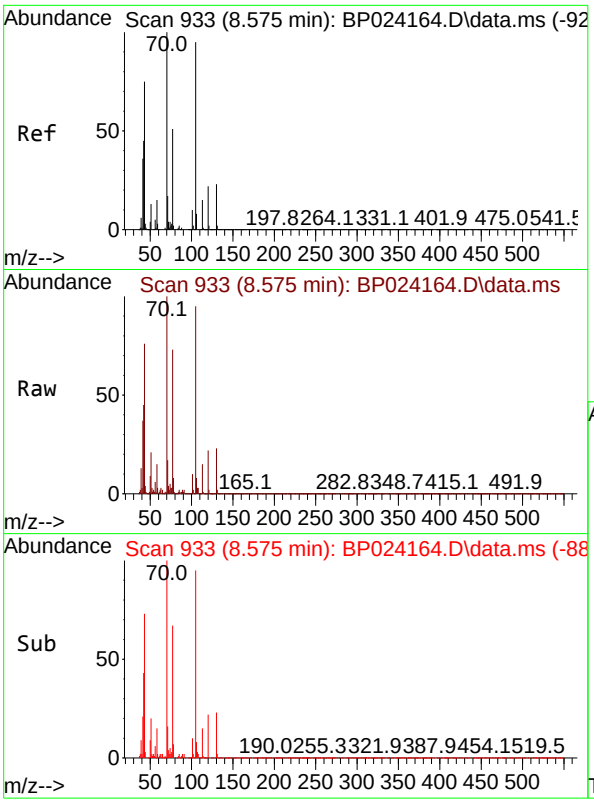


#18
Hexachloroethane
Concen: 37.399 ng
RT: 8.846 min Scan# 979
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:117 Resp: 389110

Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.4	116.0
201	95.7	76.6	114.8



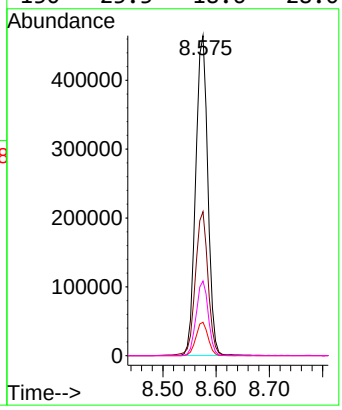


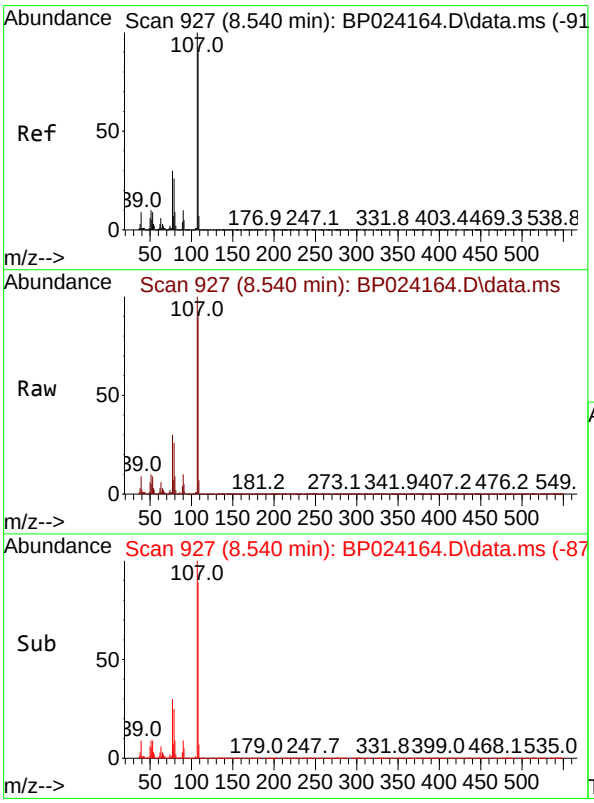
#19
n-Nitroso-di-n-propylamine
Concen: 43.423 ng
RT: 8.575 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 737233

Ion	Ratio	Lower	Upper
70	100		
42	45.0	36.0	54.0
101	10.4	8.3	12.5
130	23.3	18.6	28.0

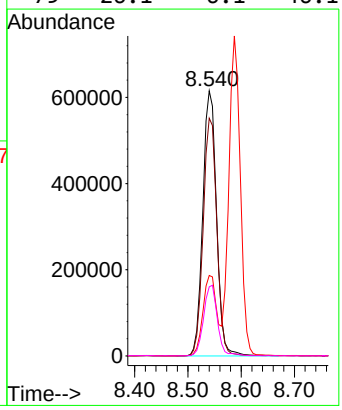


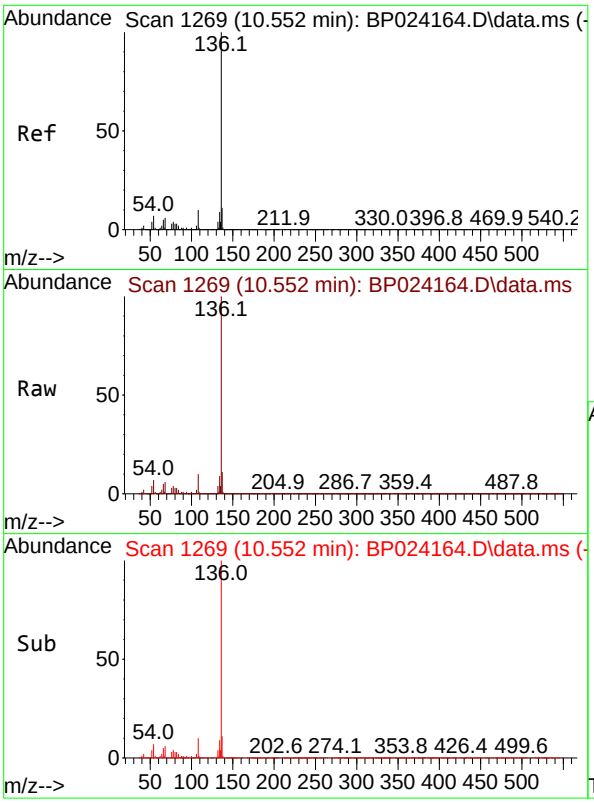


#20
3+4-Methylphenols
Concen: 41.727 ng
RT: 8.540 min Scan# 927
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:107 Resp: 1098375

Ion	Ratio	Lower	Upper
107	100		
108	89.7	69.7	109.7
77	30.3	10.3	50.3
79	26.1	6.1	46.1



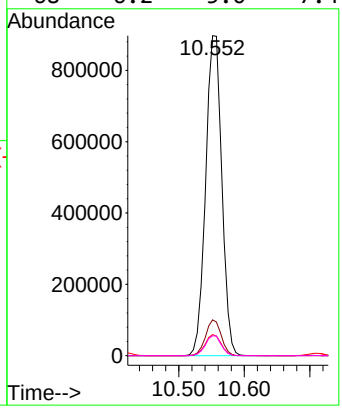


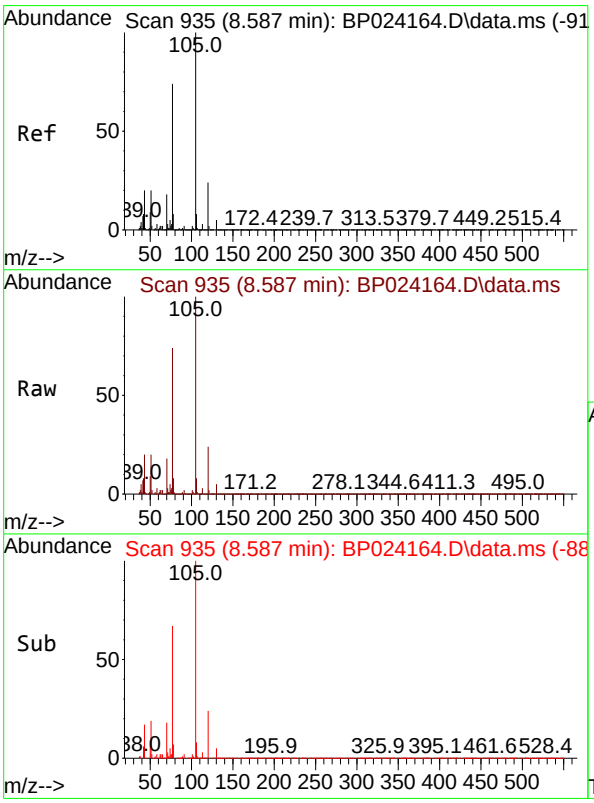
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.552 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 1538579

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	6.6	5.3	7.9
68	6.2	5.0	7.4

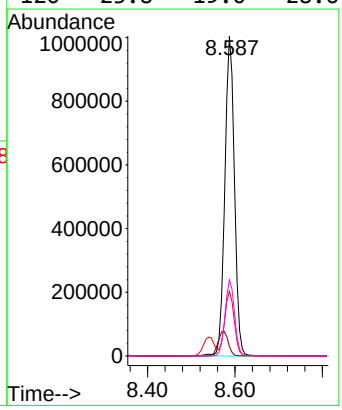


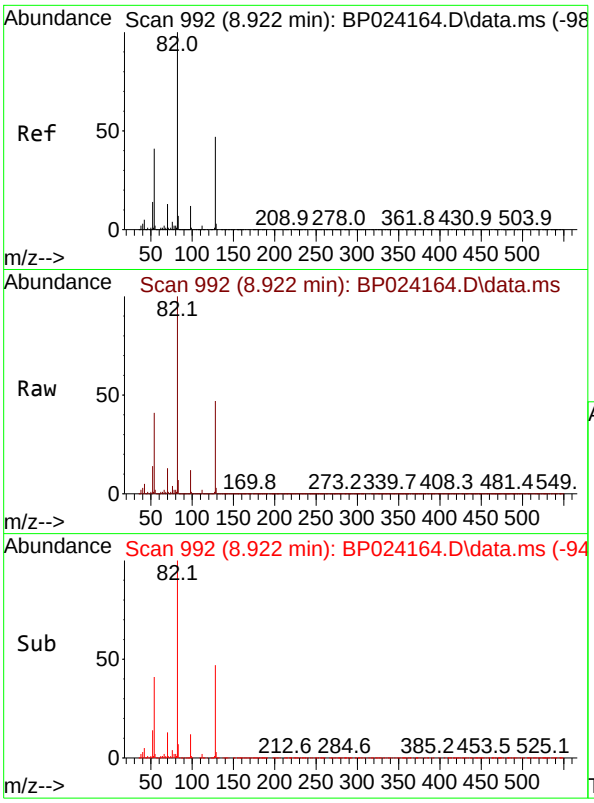


#22
Acetophenone
Concen: 38.574 ng
RT: 8.587 min Scan# 935
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:105 Resp: 1525122

Ion	Ratio	Lower	Upper
105	100		
71	3.0	2.4	3.6
51	20.2	16.2	24.2
120	23.8	19.0	28.6



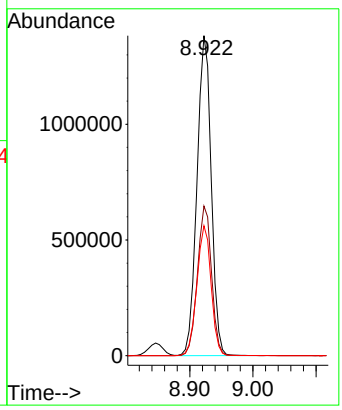


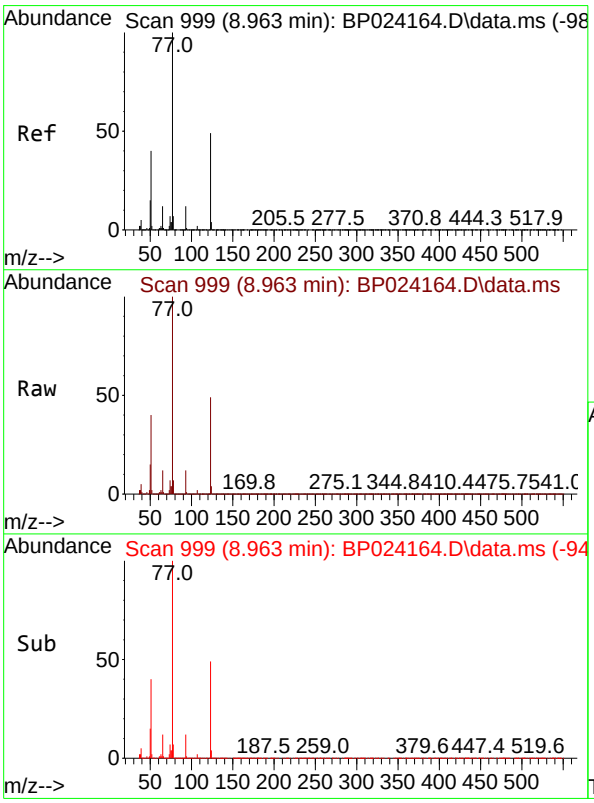
#23
Nitrobenzene-d5
Concen: 78.240 ng
RT: 8.922 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 2157744

Ion	Ratio	Lower	Upper
82	100		
128	46.7	37.4	56.0
54	40.6	32.5	48.7

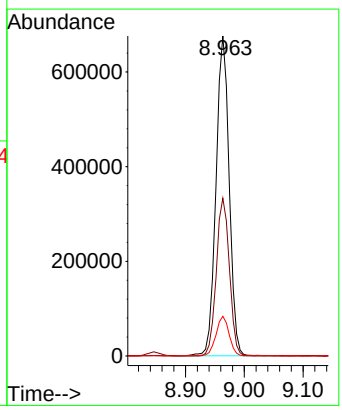


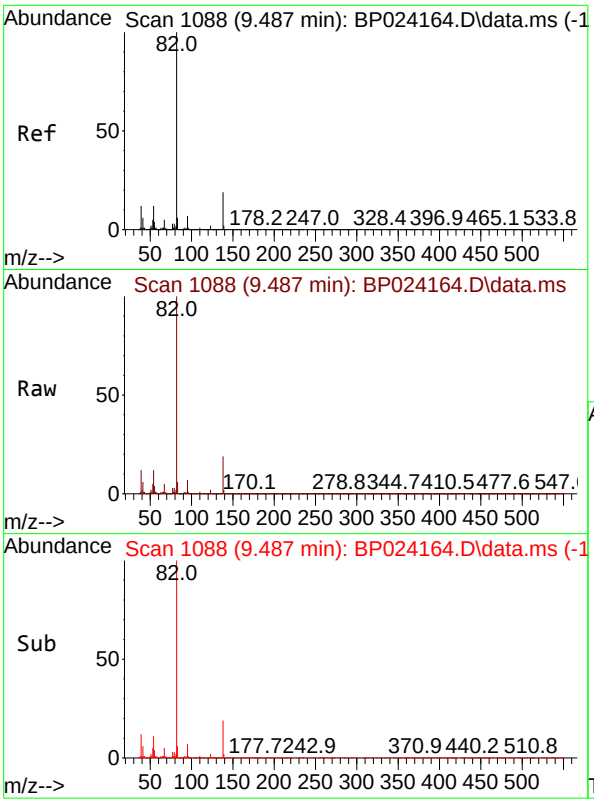


#24
Nitrobenzene
Concen: 38.662 ng
RT: 8.963 min Scan# 999
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion: 77 Resp: 1049347

Ion	Ratio	Lower	Upper
77	100		
123	49.3	39.4	59.2
65	12.4	9.9	14.9



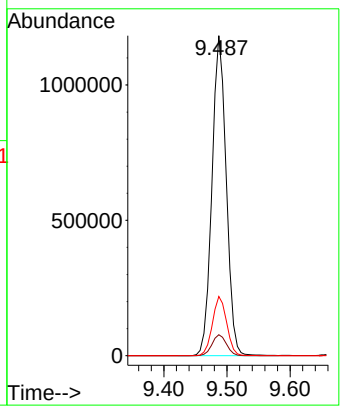


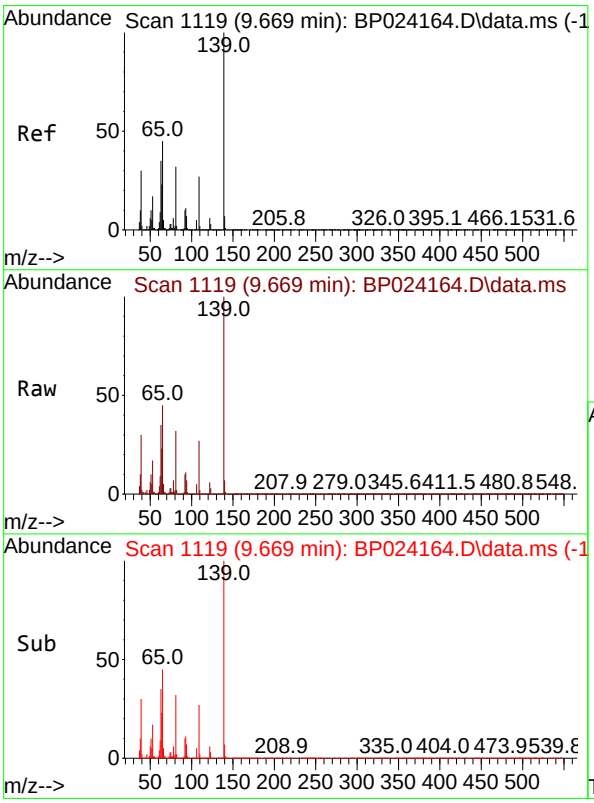
#25
Isophorone
Concen: 41.100 ng
RT: 9.487 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1853580

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.3	7.9
138	18.5	14.8	22.2

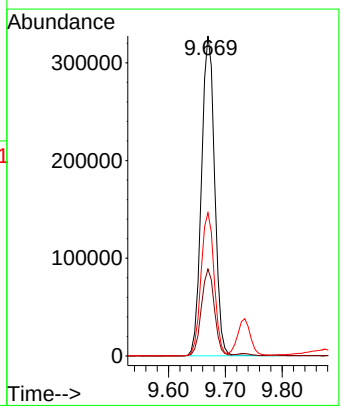


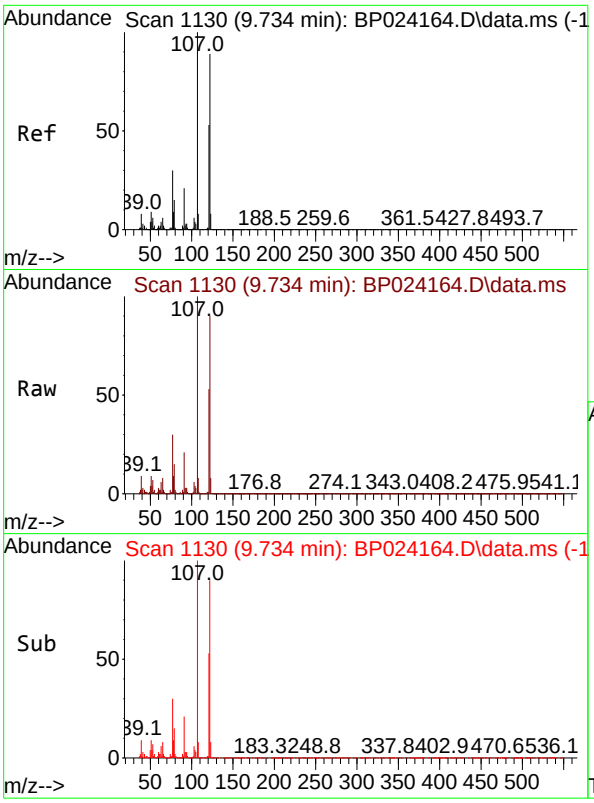


#26
2-Nitrophenol
Concen: 42.034 ng
RT: 9.669 min Scan# 1119
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:139 Resp: 525614

Ion	Ratio	Lower	Upper
139	100		
109	27.1	21.7	32.5
65	44.8	35.8	53.8



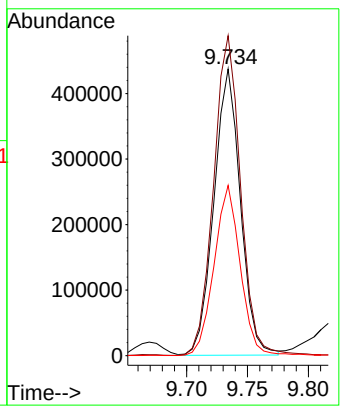


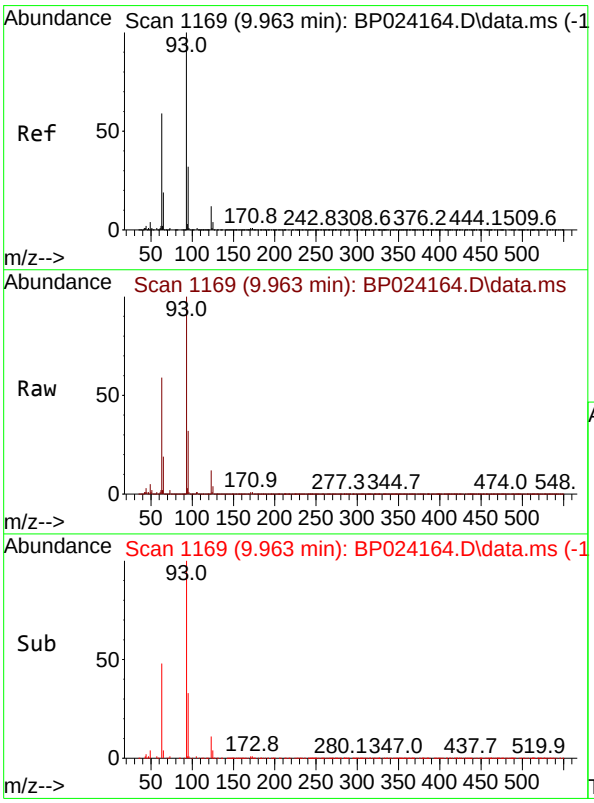
#27
2,4-Dimethylphenol
Concen: 40.316 ng
RT: 9.734 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 661755

Ion	Ratio	Lower	Upper
122	100		
107	111.6	89.3	133.9
121	59.4	47.5	71.3

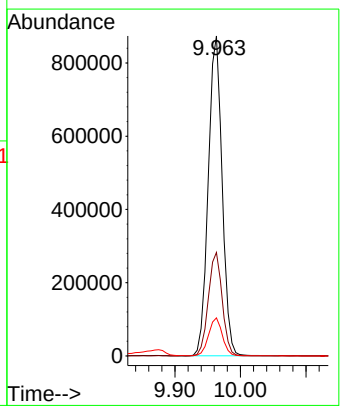


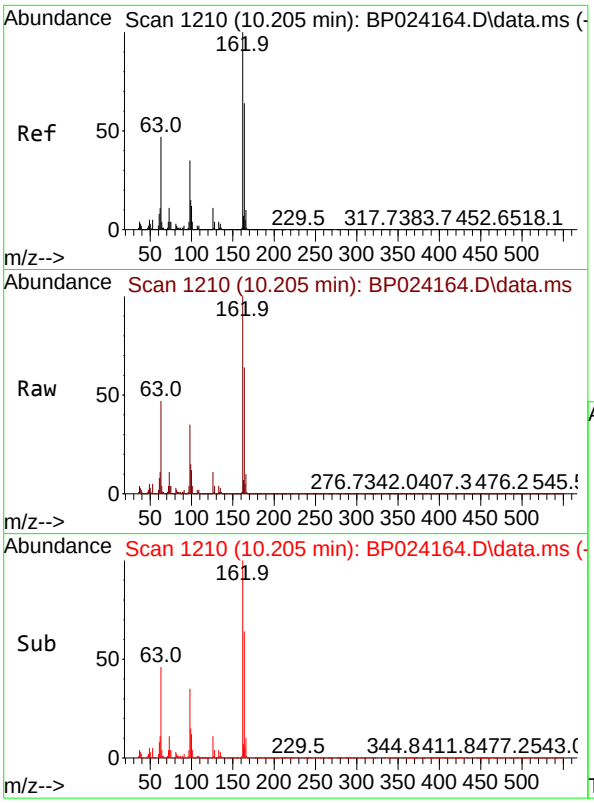


#28
bis(2-Chloroethoxy)methane
Concen: 39.353 ng
RT: 9.963 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion: 93 Resp: 1285698

Ion	Ratio	Lower	Upper
93	100		
95	32.4	25.9	38.9
123	11.9	9.5	14.3



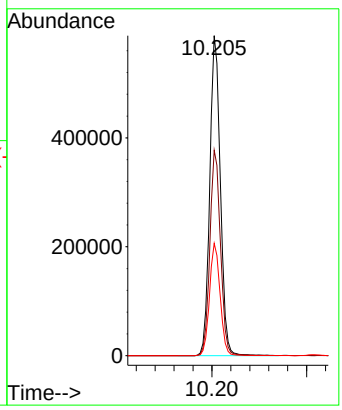


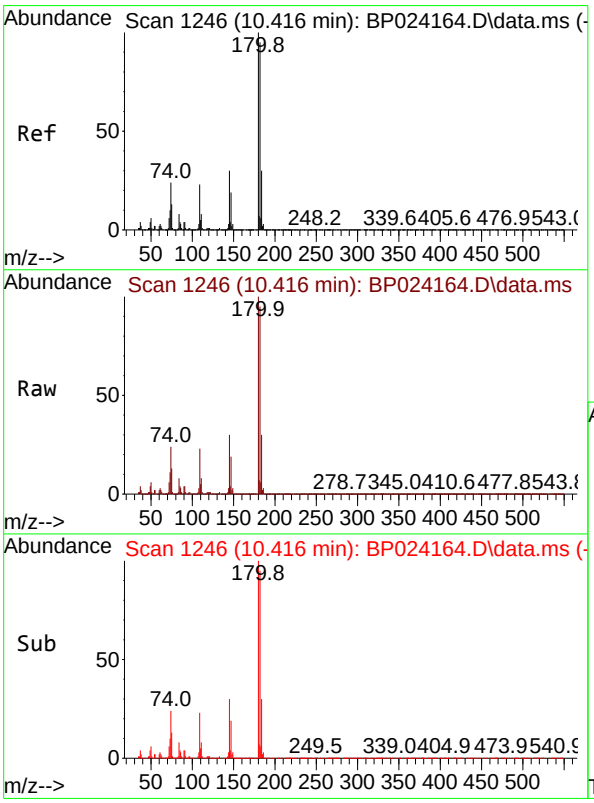
#29
2,4-Dichlorophenol
Concen: 40.720 ng
RT: 10.205 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 912137

Ion	Ratio	Lower	Upper
162	100		
164	64.2	44.2	84.2
98	35.1	15.1	55.1

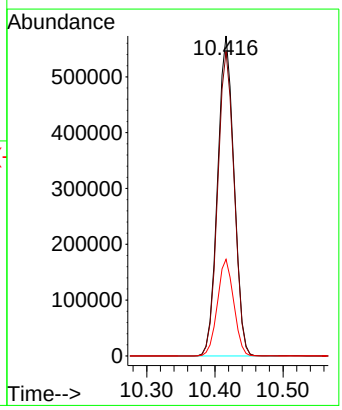


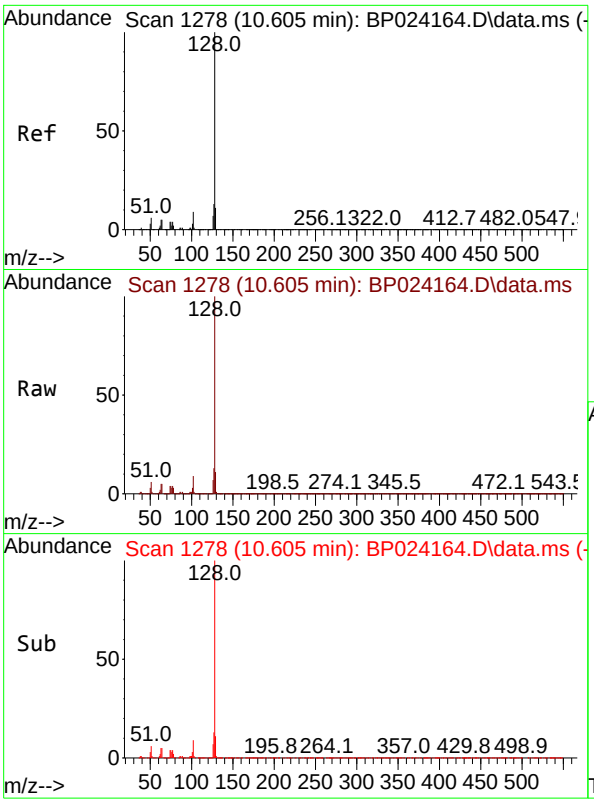


#30
1,2,4-Trichlorobenzene
Concen: 37.439 ng
RT: 10.416 min Scan# 1246
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:180 Resp: 960872

Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.1	114.1
145	30.2	24.2	36.2



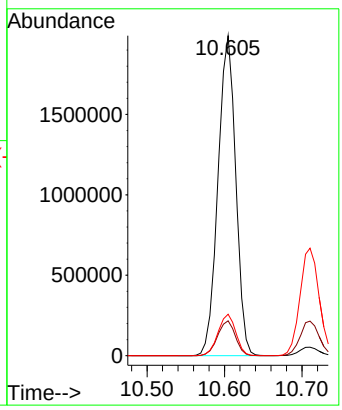


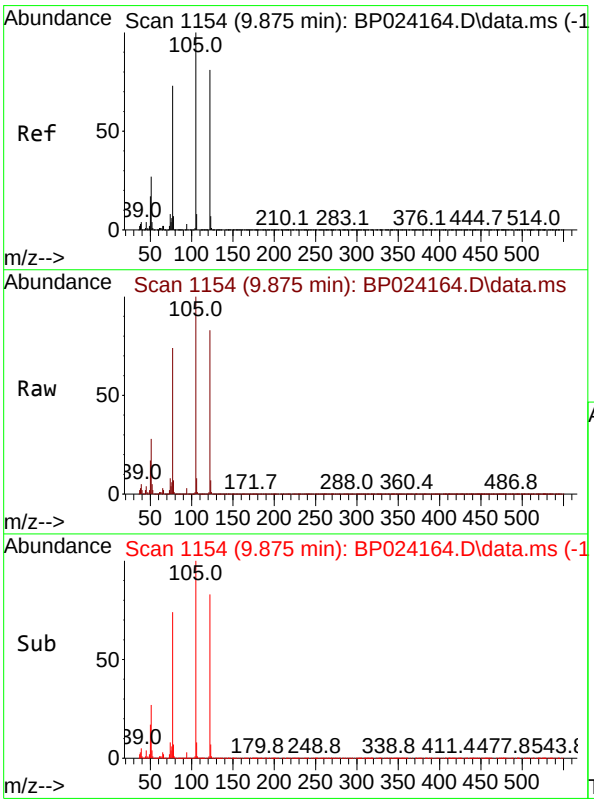
#31
Naphthalene
Concen: 38.287 ng
RT: 10.605 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 3167478

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.0	10.4	15.6

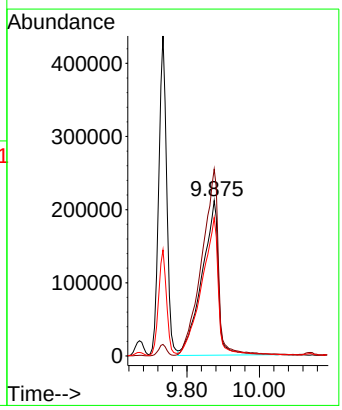


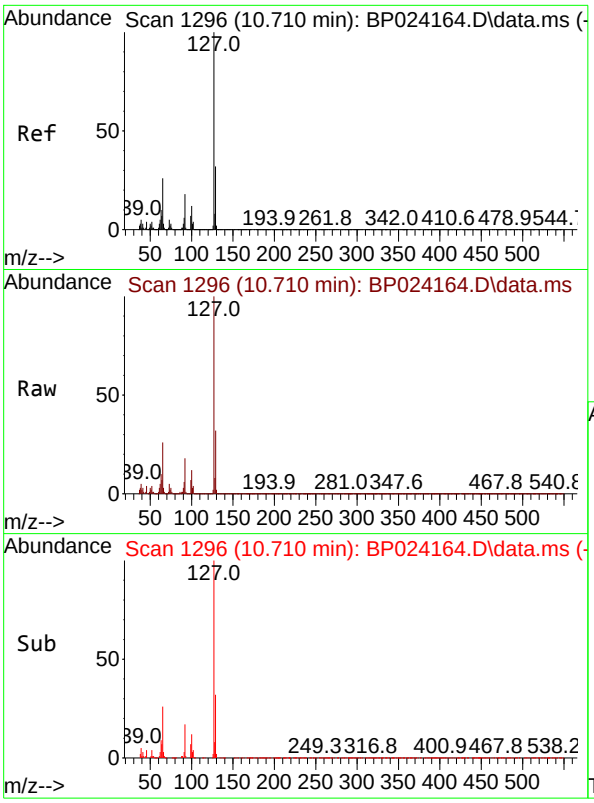


#32
Benzoic acid
Concen: 44.564 ng
RT: 9.875 min Scan# 1154
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:122 Resp: 670600

Ion	Ratio	Lower	Upper
122	100		
105	120.3	100.3	140.3
77	89.1	69.1	109.1



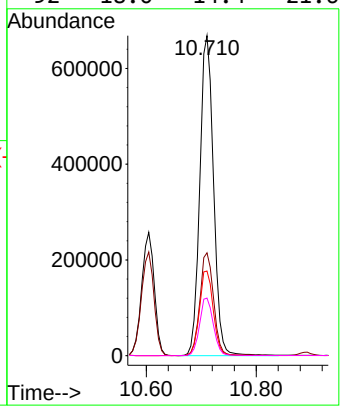


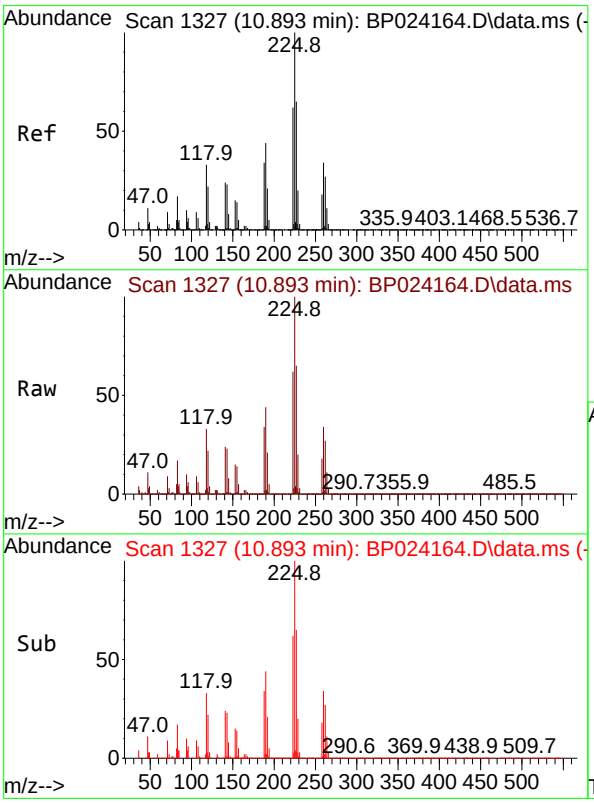
#33
4-Chloroaniline
Concen: 39.789 ng
RT: 10.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 1159633

Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.8	38.6
65	26.5	21.2	31.8
92	18.0	14.4	21.6

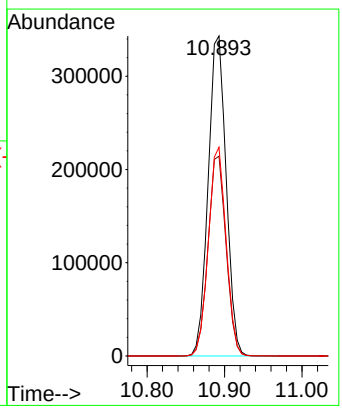


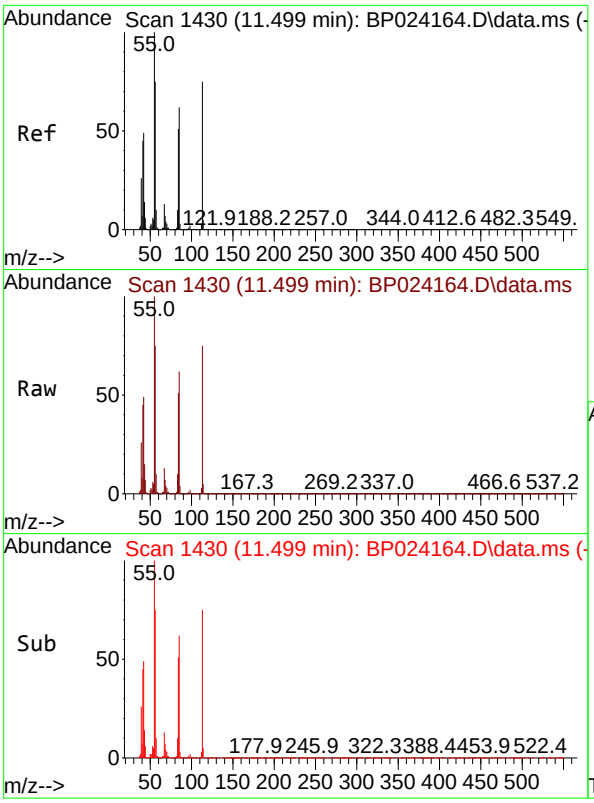


#34
Hexachlorobutadiene
Concen: 37.241 ng
RT: 10.893 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:225 Resp: 553609

Ion	Ratio	Lower	Upper
225	100		
223	62.4	49.9	74.9
227	65.2	52.2	78.2



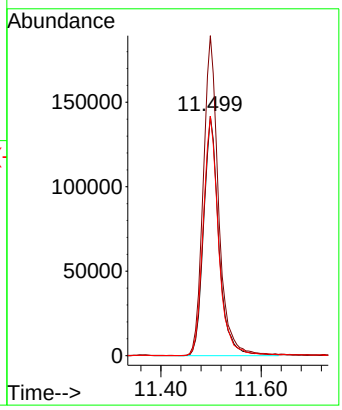


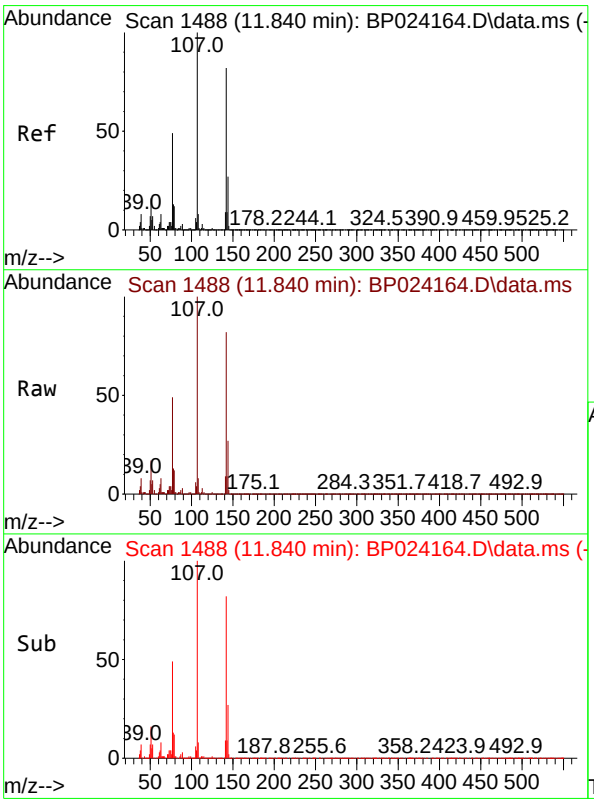
#35
Caprolactam
Concen: 44.083 ng
RT: 11.499 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 299017

Ion	Ratio	Lower	Upper
113	100		
55	133.6	113.6	153.6
56	100.0	80.0	120.0

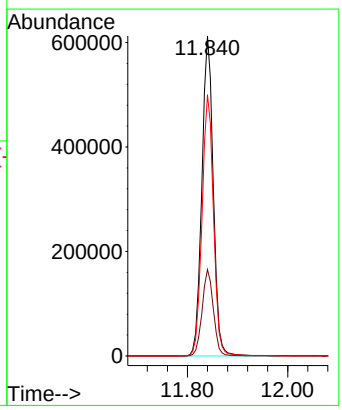


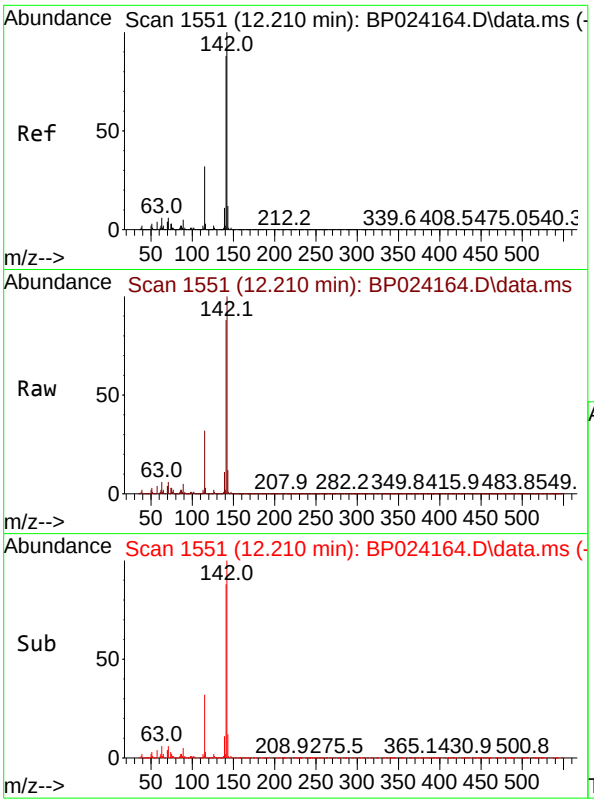


#36
4-Chloro-3-methylphenol
Concen: 41.977 ng
RT: 11.840 min Scan# 1488
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:107 Resp: 966642

Ion	Ratio	Lower	Upper
107	100		
144	27.0	21.6	32.4
142	81.7	65.4	98.0



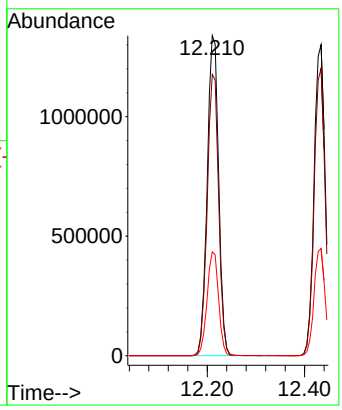


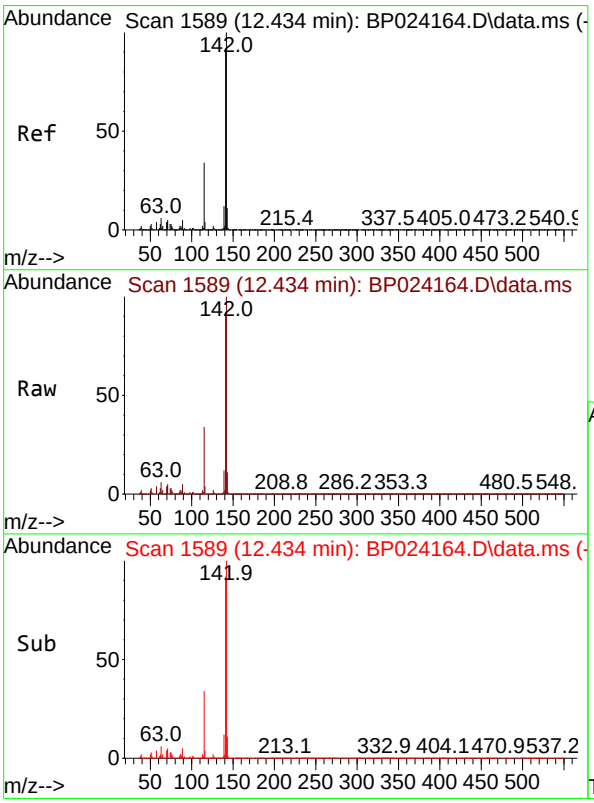
#37
2-Methylnaphthalene
Concen: 39.419 ng
RT: 12.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 2167502

Ion	Ratio	Lower	Upper
142	100		
141	87.9	70.3	105.5
115	32.5	26.0	39.0

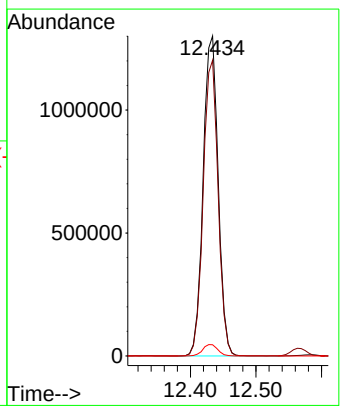


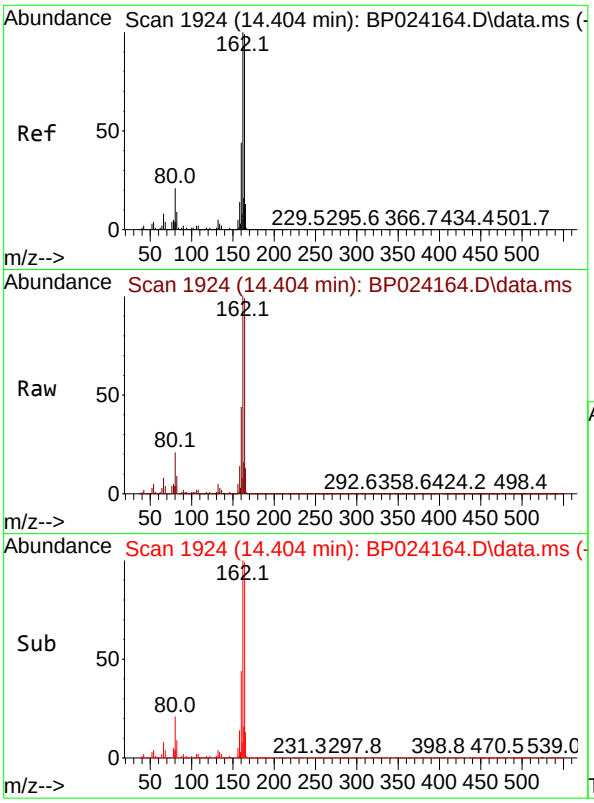


#38
1-Methylnaphthalene
Concen: 38.734 ng
RT: 12.434 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:142 Resp: 2071946

Ion	Ratio	Lower	Upper
142	100		
141	92.4	73.9	110.9
116	3.5	2.8	4.2



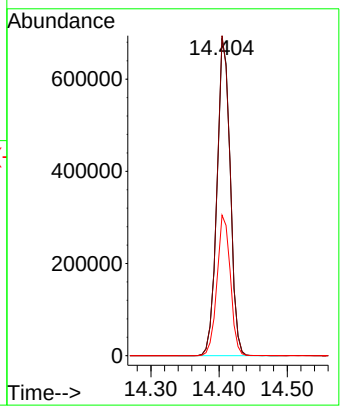


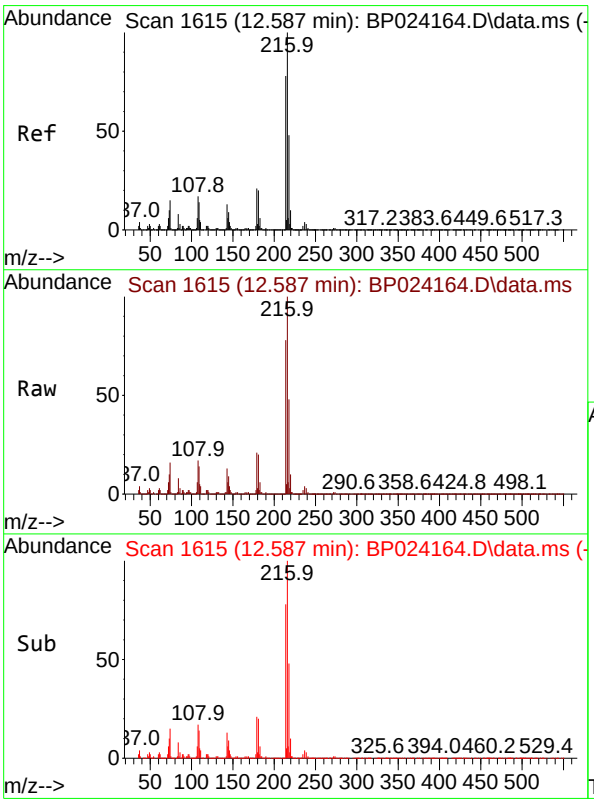
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.404 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 930584

Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.6	121.0
160	44.3	35.4	53.2

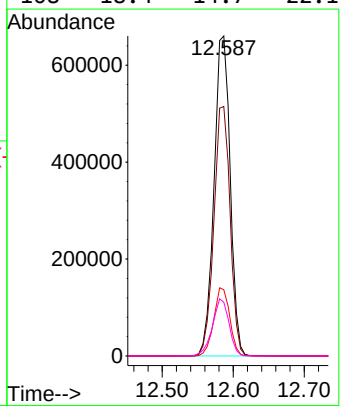


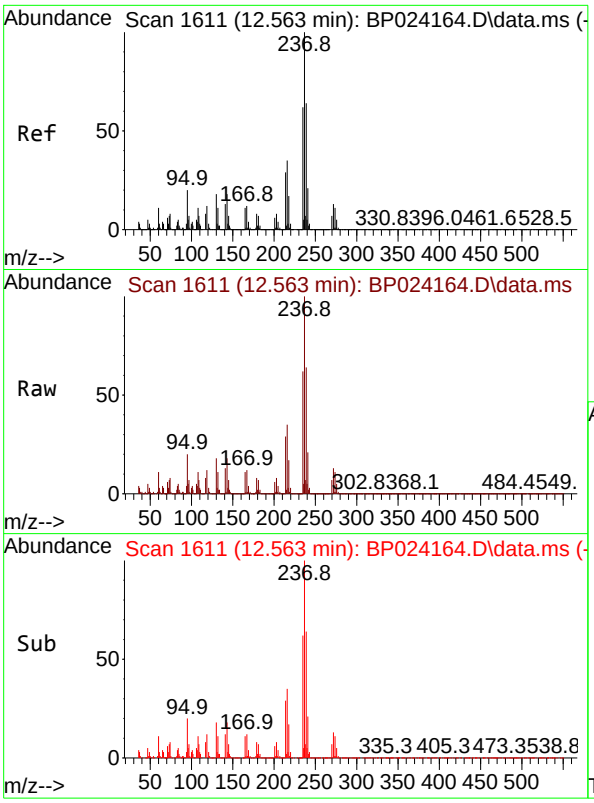


#40
1,2,4,5-Tetrachlorobenzene
Concen: 36.348 ng
RT: 12.587 min Scan# 1615
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:216 Resp: 1039275

Ion	Ratio	Lower	Upper
216	100		
214	78.5	62.8	94.2
179	21.0	16.8	25.2
108	18.4	14.7	22.1



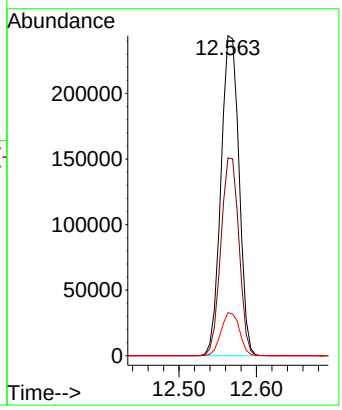


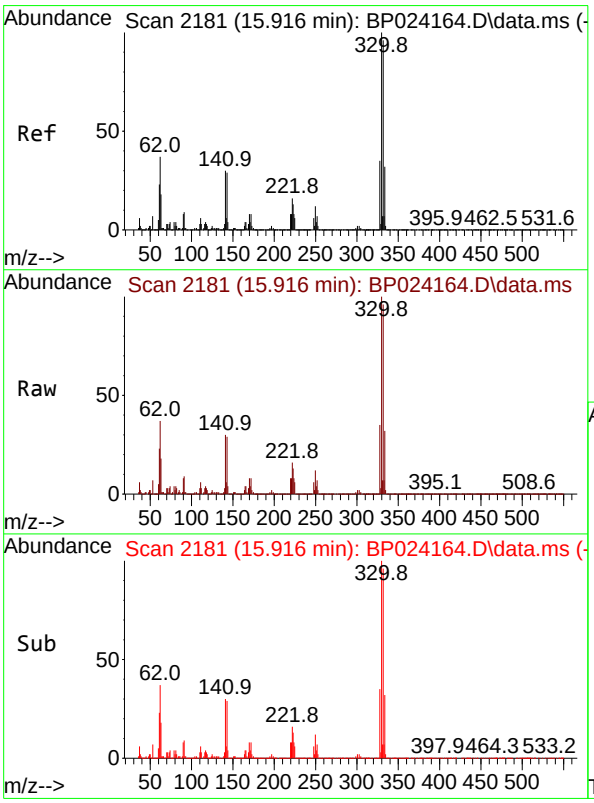
#41
Hexachlorocyclopentadiene
Concen: 37.139 ng
RT: 12.563 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 395145

Ion	Ratio	Lower	Upper
237	100		
235	61.8	41.8	81.8
272	13.5	0.0	33.5

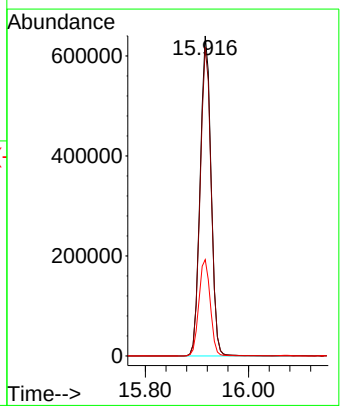


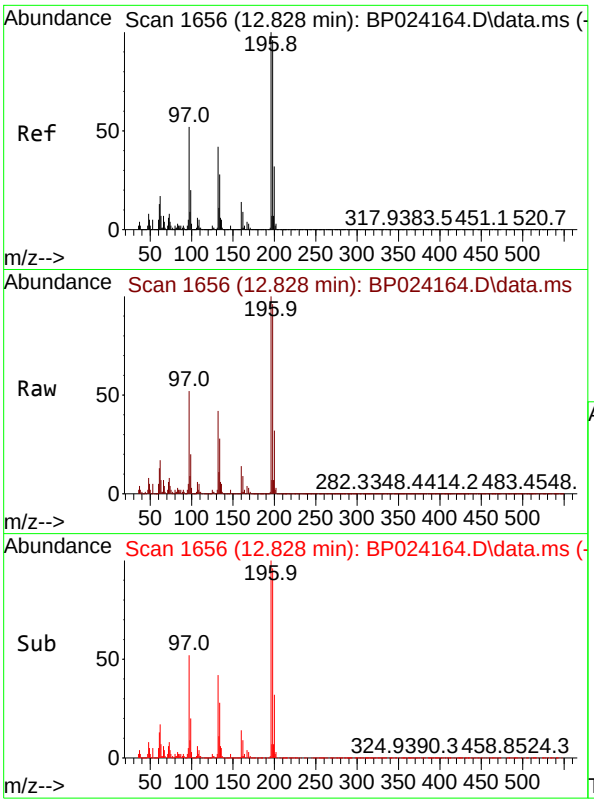


#42
2,4,6-Tribromophenol
Concen: 82.309 ng
RT: 15.916 min Scan# 2181
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:330 Resp: 938209

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.6	116.4
141	31.3	25.0	37.6



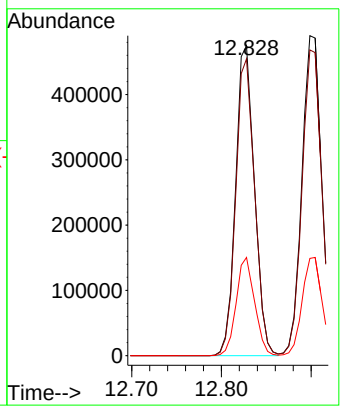


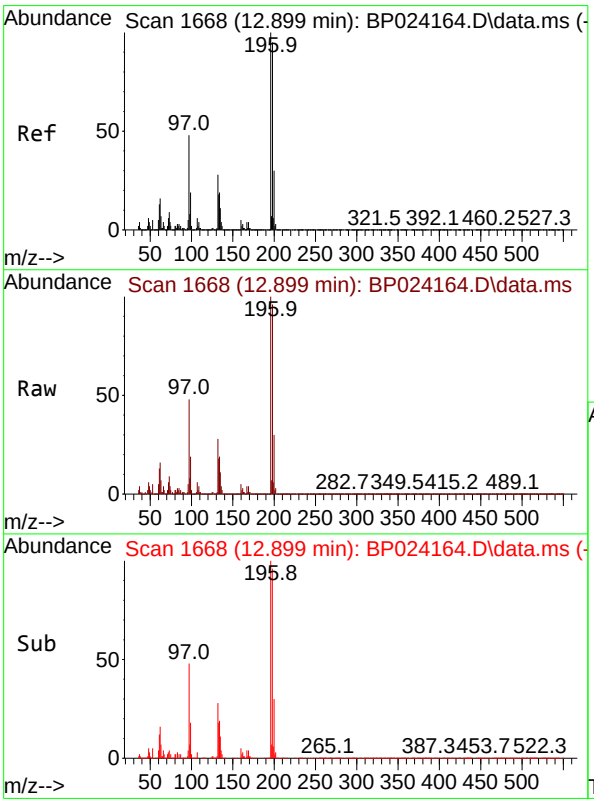
#43
2,4,6-Trichlorophenol
Concen: 39.731 ng
RT: 12.828 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 692810

Ion	Ratio	Lower	Upper
196	100		
198	95.8	76.6	115.0
200	31.7	25.4	38.0

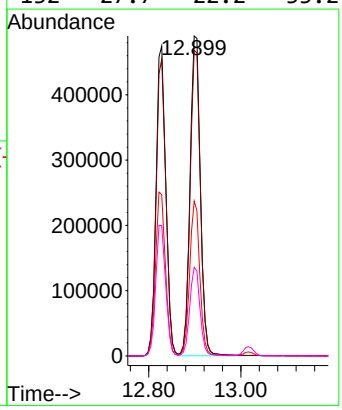


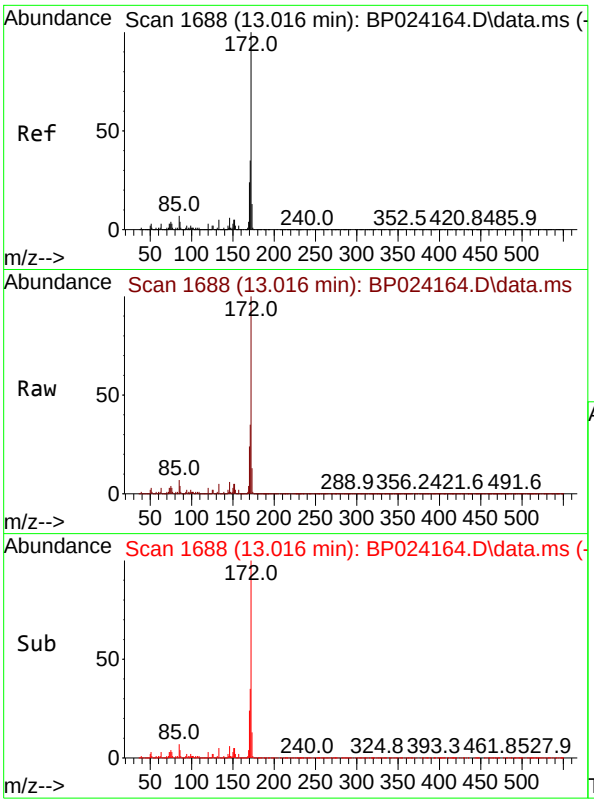


#44
2,4,5-Trichlorophenol
Concen: 39.872 ng
RT: 12.899 min Scan# 1668
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:196 Resp: 760360

Ion	Ratio	Lower	Upper
196	100		
198	95.6	76.5	114.7
97	48.4	38.7	58.1
132	27.7	22.2	33.2



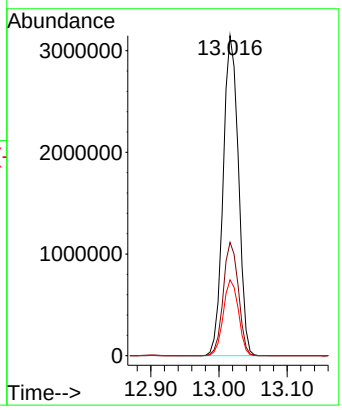


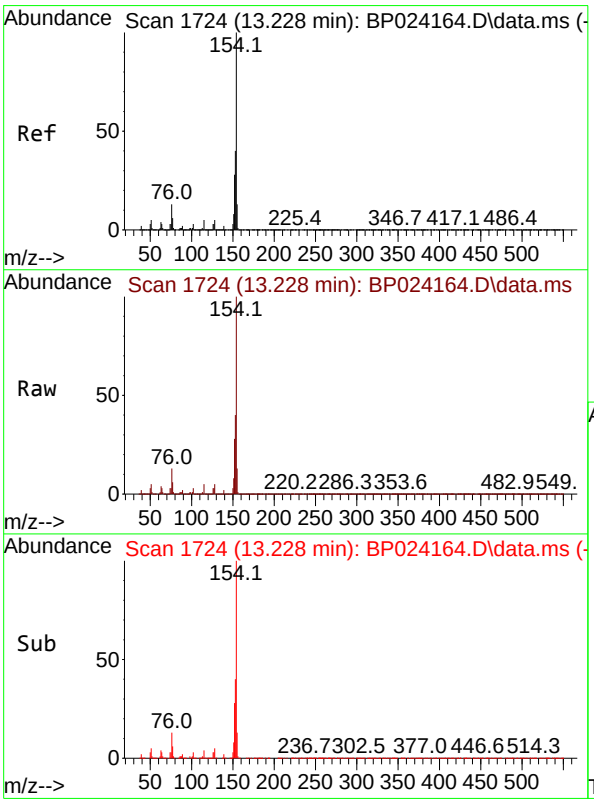
#45
2-Fluorobiphenyl
Concen: 73.785 ng
RT: 13.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 4911554

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.3	42.5
170	23.7	19.0	28.4

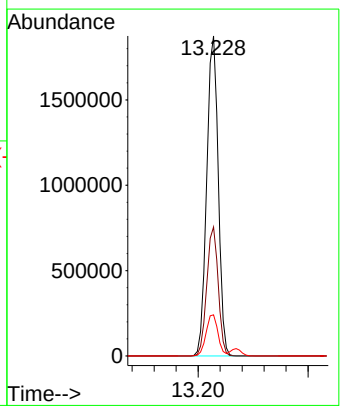


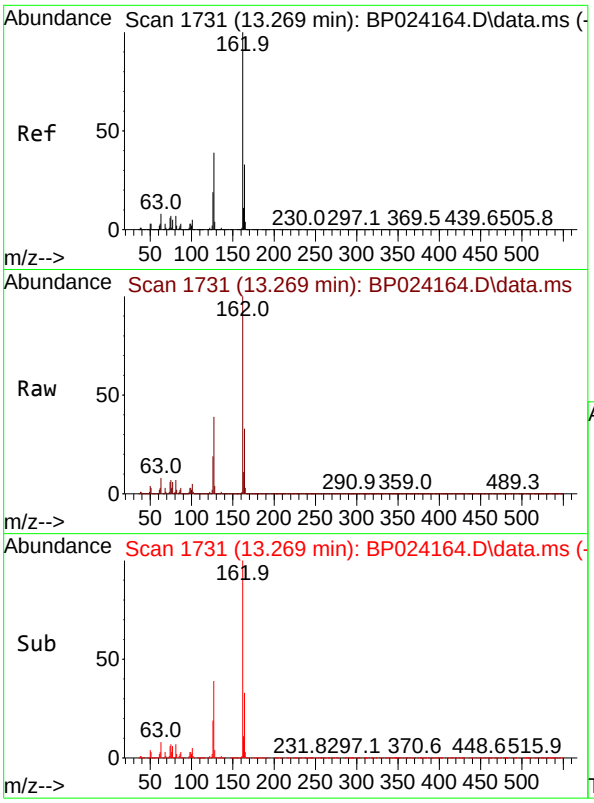


#46
1,1'-Biphenyl
Concen: 37.621 ng
RT: 13.228 min Scan# 1724
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:154 Resp: 2720465

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.3	60.3
76	12.9	0.0	32.9



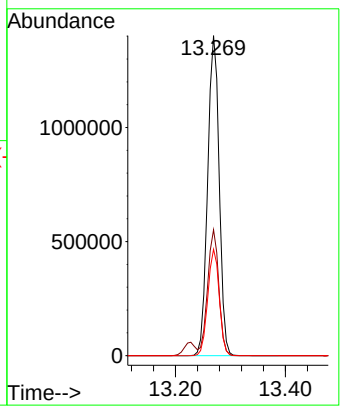


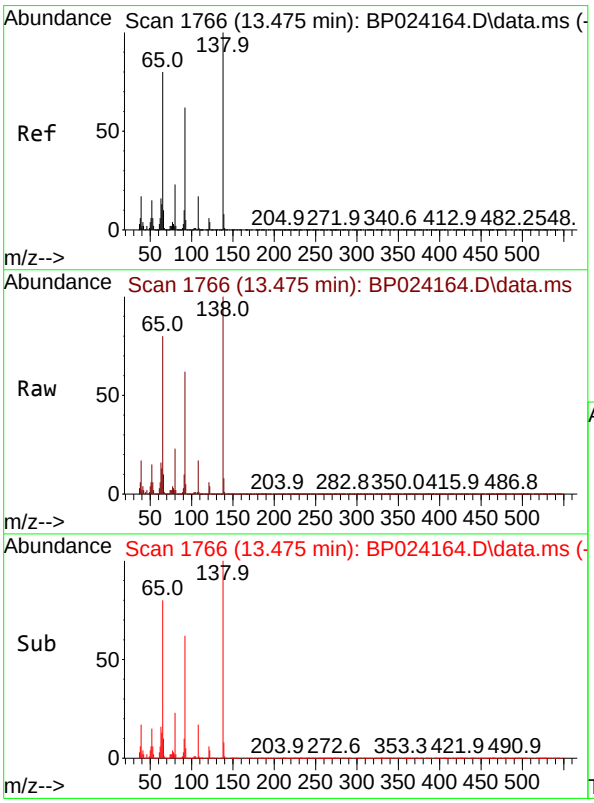
#47
2-Chloronaphthalene
Concen: 37.269 ng
RT: 13.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 2037284

Ion	Ratio	Lower	Upper
162	100		
127	39.4	31.5	47.3
164	33.2	26.6	39.8

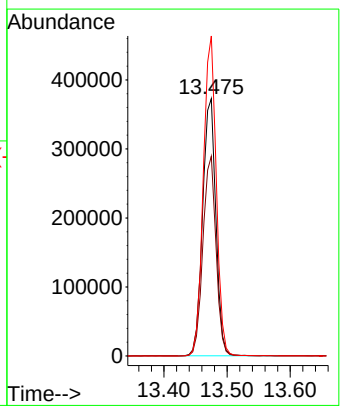


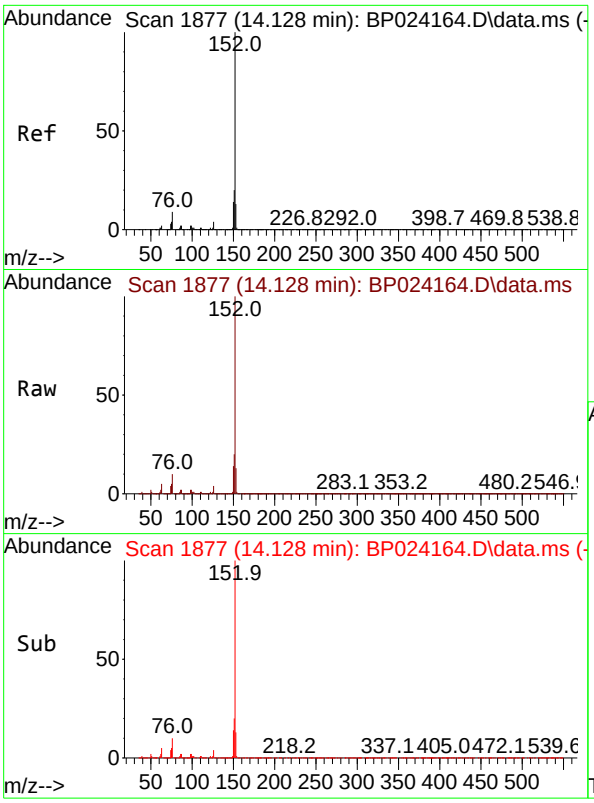


#48
2-Nitroaniline
Concen: 42.085 ng
RT: 13.475 min Scan# 1766
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion: 65 Resp: 543429

Ion	Ratio	Lower	Upper
65	100		
92	77.6	62.1	93.1
138	124.4	99.5	149.3



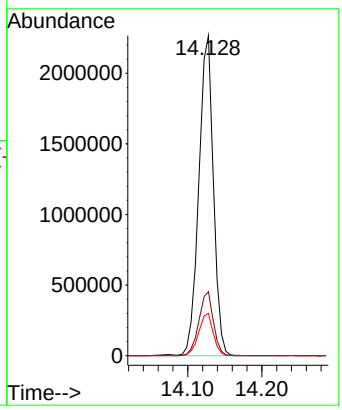


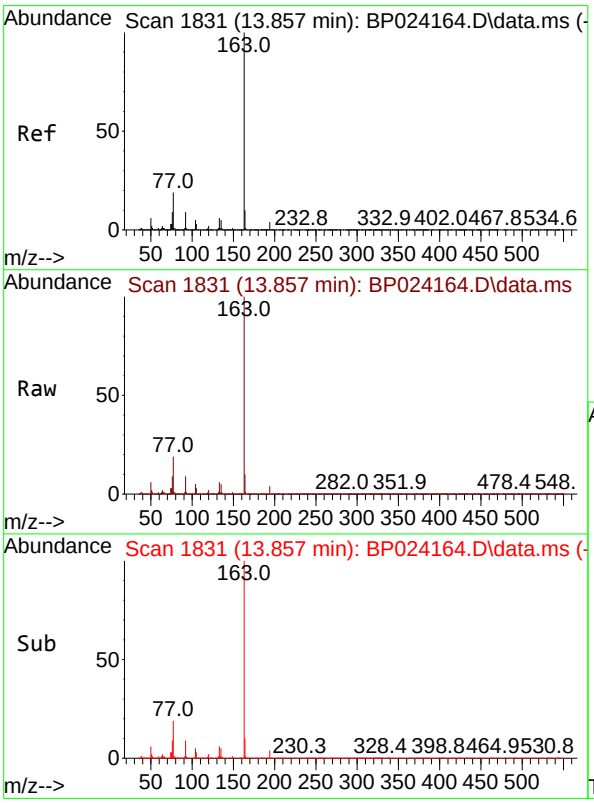
#49
Acenaphthylene
Concen: 38.389 ng
RT: 14.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 3091813

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	13.2	10.6	15.8

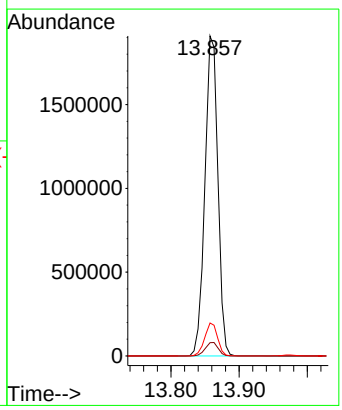


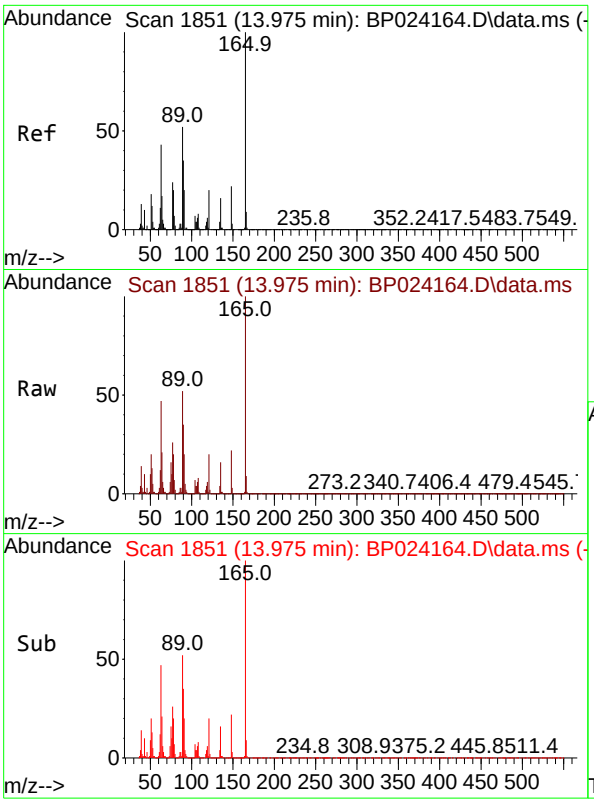


#50
Dimethylphthalate
Concen: 38.493 ng
RT: 13.857 min Scan# 1831
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:163 Resp: 2526732

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.3	8.2	12.4



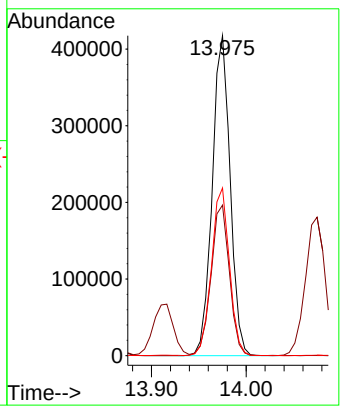


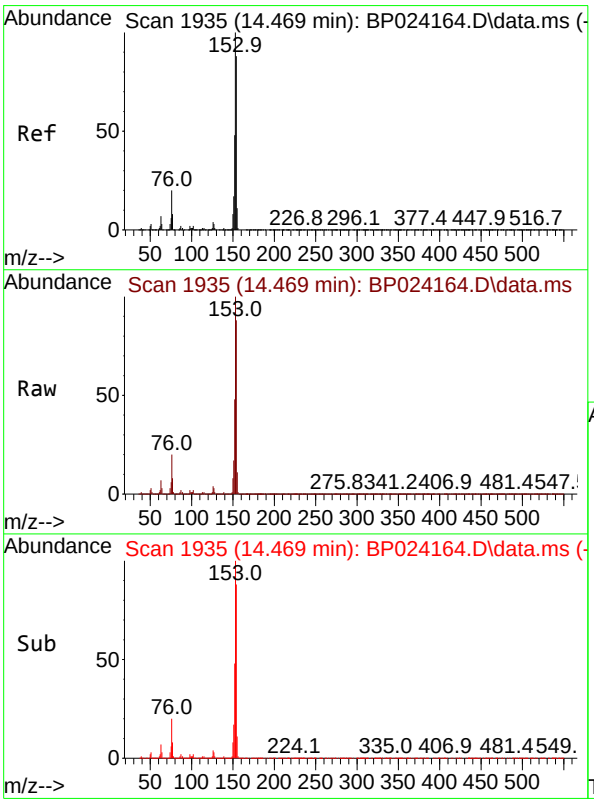
#51
2,6-Dinitrotoluene
Concen: 40.901 ng
RT: 13.975 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 546912

Ion	Ratio	Lower	Upper
165	100		
63	47.1	37.7	56.5
89	52.4	41.9	62.9

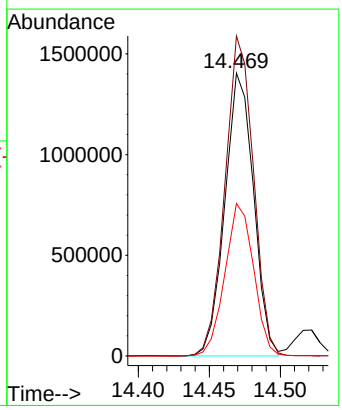


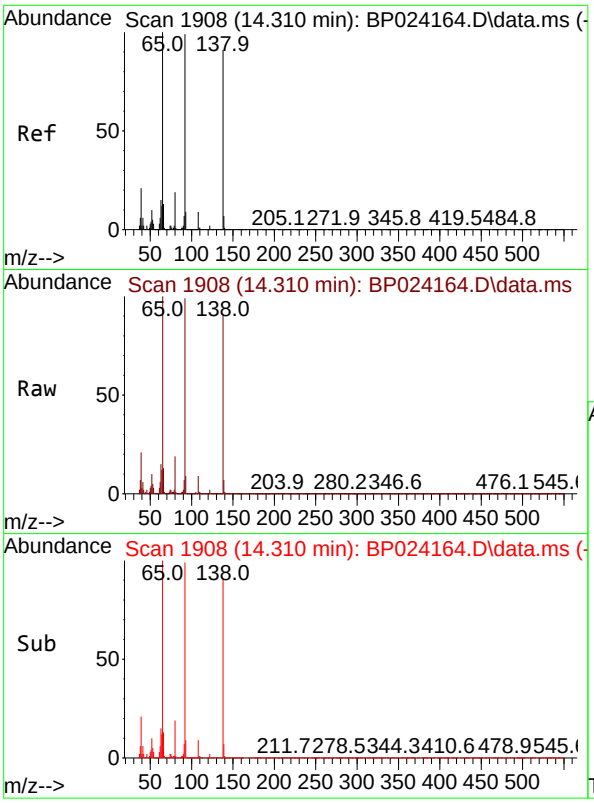


#52
Acenaphthene
Concen: 38.061 ng
RT: 14.469 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:154 Resp: 1973969

Ion	Ratio	Lower	Upper
154	100		
153	113.1	90.5	135.7
152	53.9	43.1	64.7



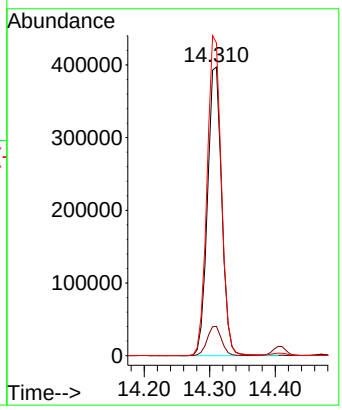


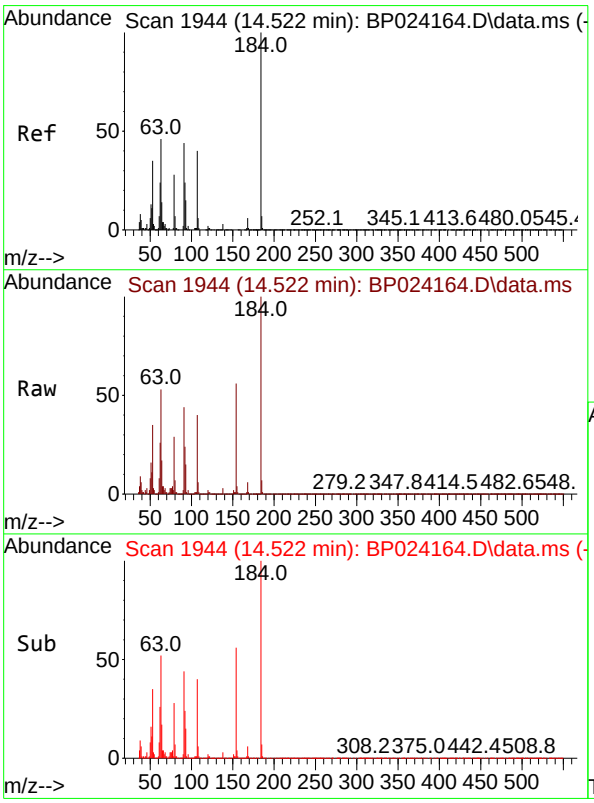
#53
3-Nitroaniline
Concen: 42.038 ng
RT: 14.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 599822

Ion	Ratio	Lower	Upper
138	100		
108	10.2	8.2	12.2
92	108.4	86.7	130.1

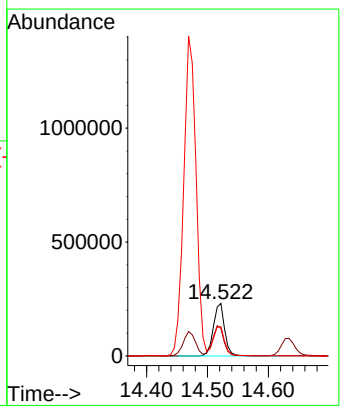


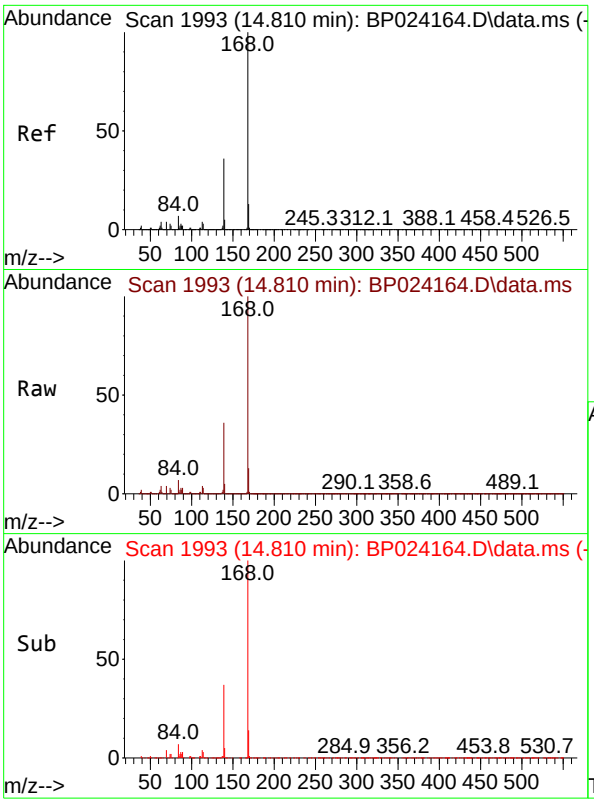


#54
2,4-Dinitrophenol
Concen: 41.760 ng
RT: 14.522 min Scan# 1944
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:184 Resp: 297379

Ion	Ratio	Lower	Upper
184	100		
63	52.6	42.1	63.1
154	55.8	44.6	67.0



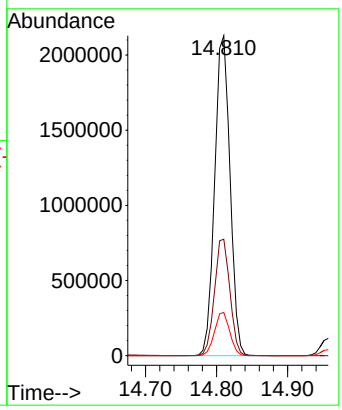


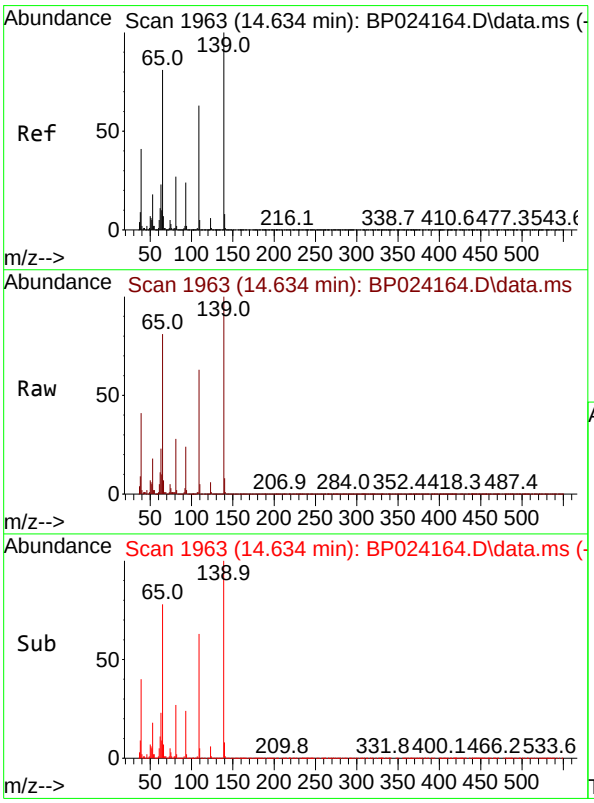
#55
Dibenzofuran
Concen: 37.802 ng
RT: 14.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 3184940

Ion	Ratio	Lower	Upper
168	100		
139	36.4	29.1	43.7
169	13.5	10.8	16.2

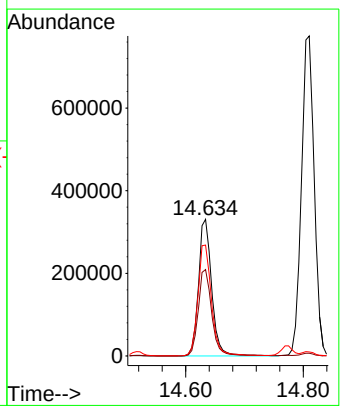


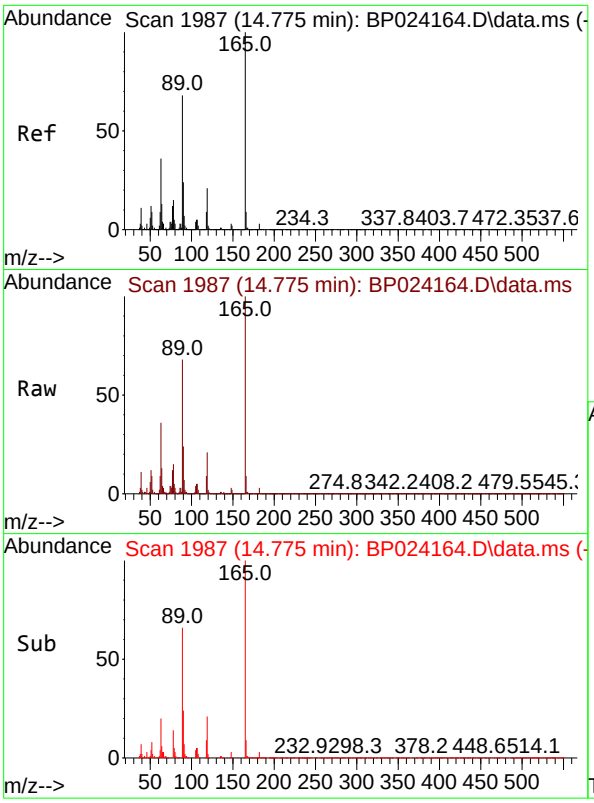


#56
4-Nitrophenol
Concen: 41.811 ng
RT: 14.634 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:139 Resp: 515335

Ion	Ratio	Lower	Upper
139	100		
109	63.3	43.3	83.3
65	81.2	61.2	101.2



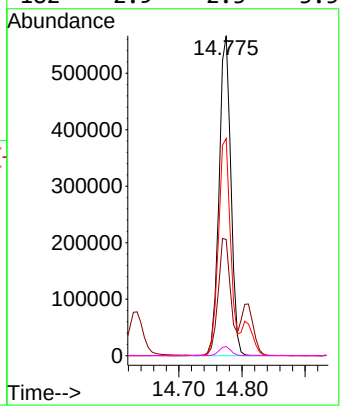


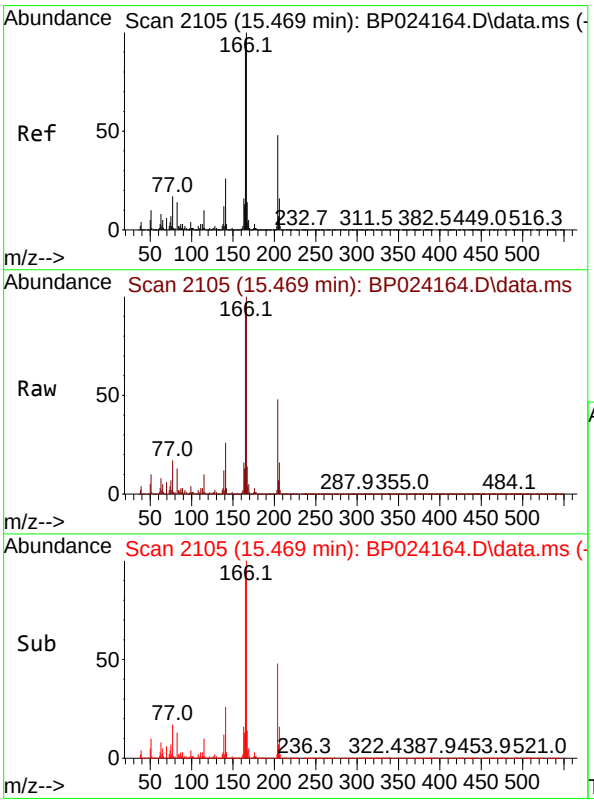
#57
2,4-Dinitrotoluene
Concen: 42.180 ng
RT: 14.775 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 732669

Ion	Ratio	Lower	Upper
165	100		
63	36.3	29.0	43.6
89	67.8	54.2	81.4
182	2.9	2.3	3.5

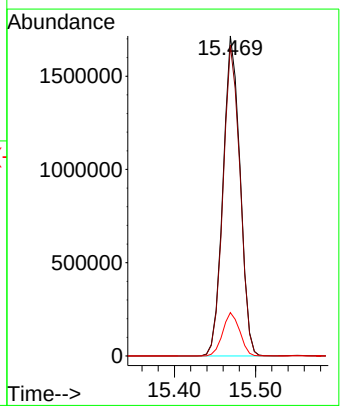


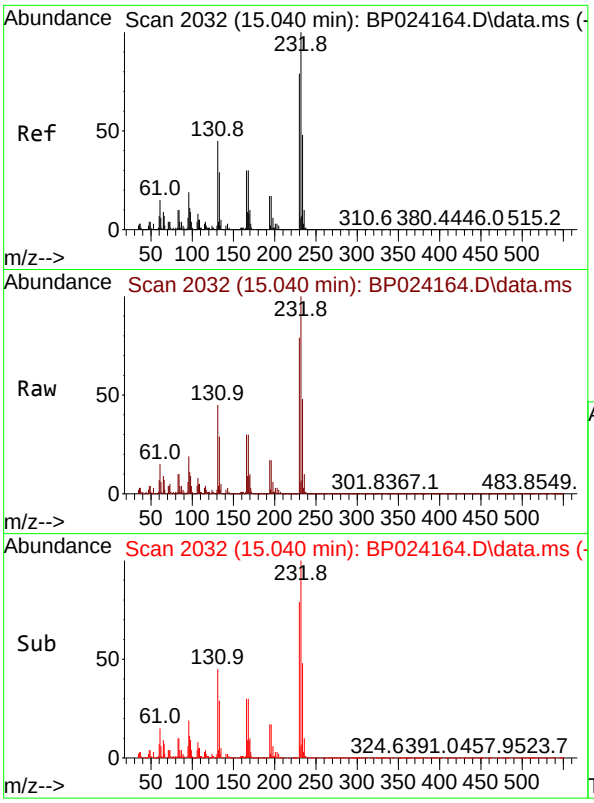


#58
Fluorene
Concen: 38.039 ng
RT: 15.469 min Scan# 2105
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:166 Resp: 2502924

Ion	Ratio	Lower	Upper
166	100		
165	97.0	77.6	116.4
167	13.5	10.8	16.2



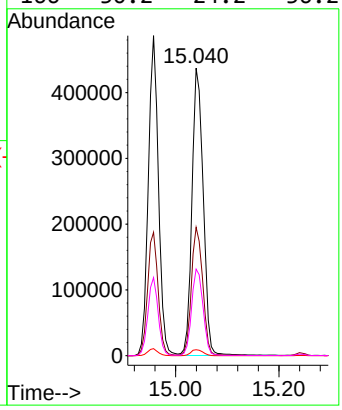


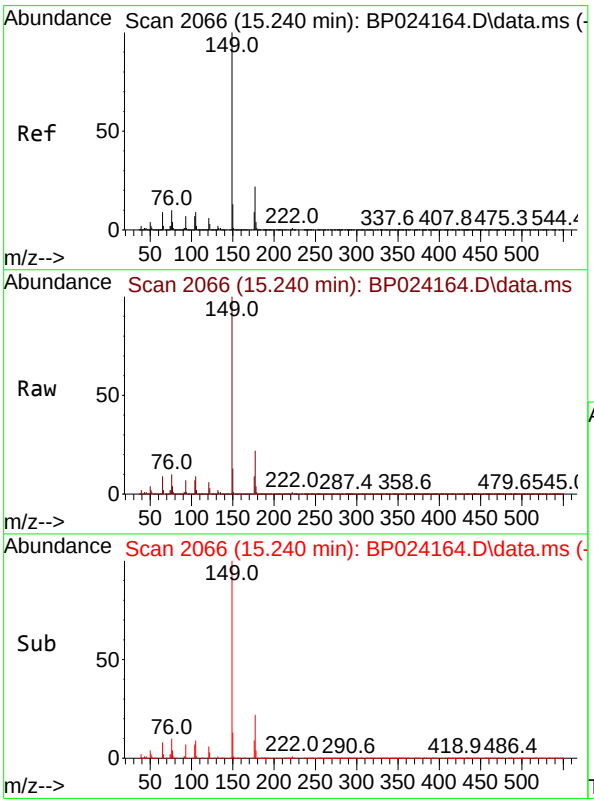
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.068 ng
RT: 15.040 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 662947

Ion	Ratio	Lower	Upper
232	100		
131	44.9	35.9	53.9
130	2.2	1.8	2.6
166	30.2	24.2	36.2

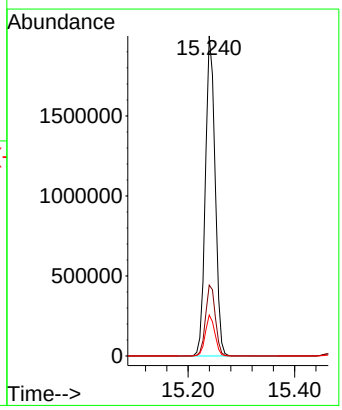


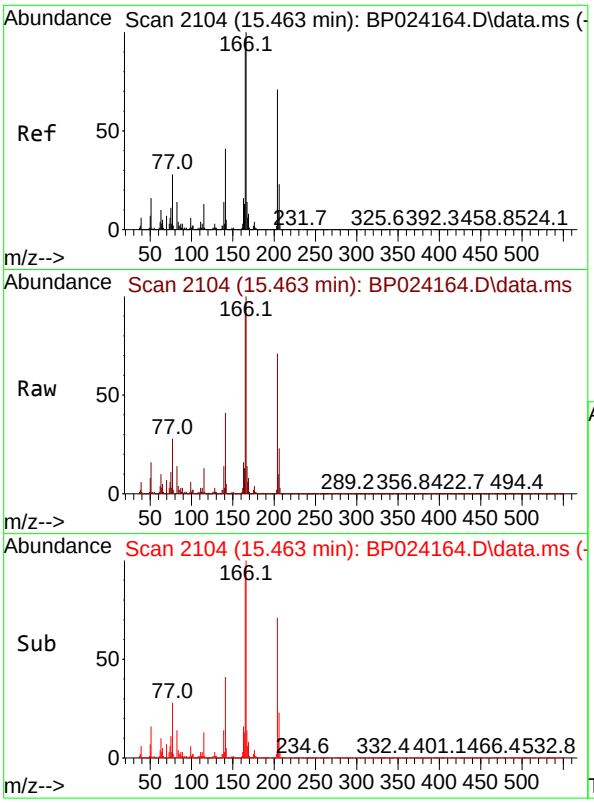


#60
Diethylphthalate
Concen: 38.794 ng
RT: 15.240 min Scan# 2066
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:149 Resp: 2527904

Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.7	26.5
150	12.8	10.2	15.4



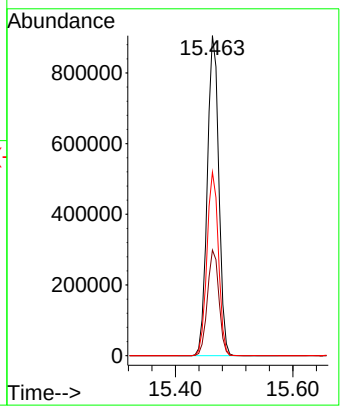


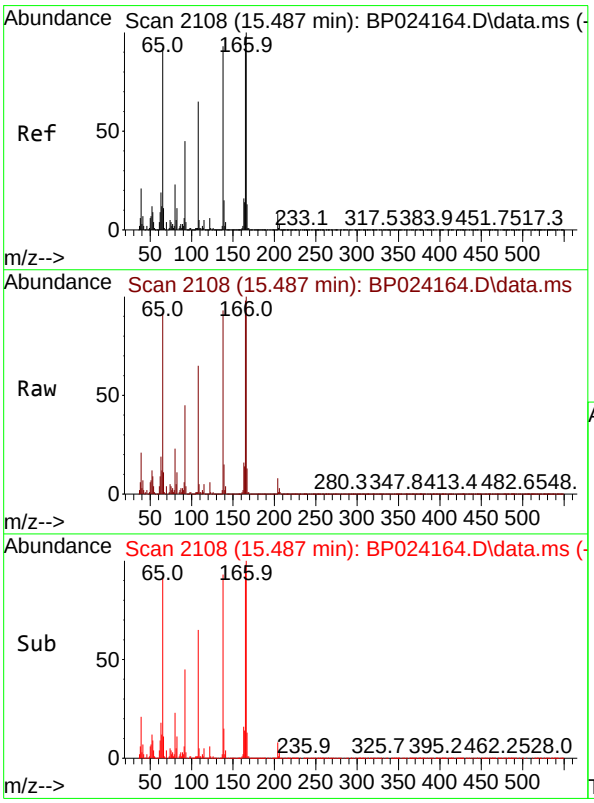
#61
4-Chlorophenyl-phenylether
Concen: 37.829 ng
RT: 15.463 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 1225168

Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.4	39.6
141	57.3	45.8	68.8

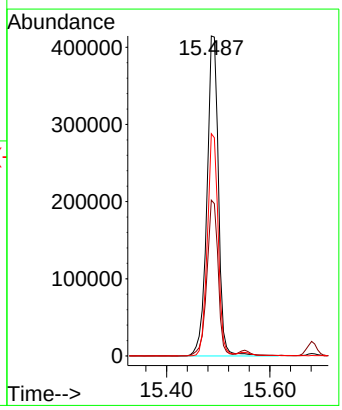


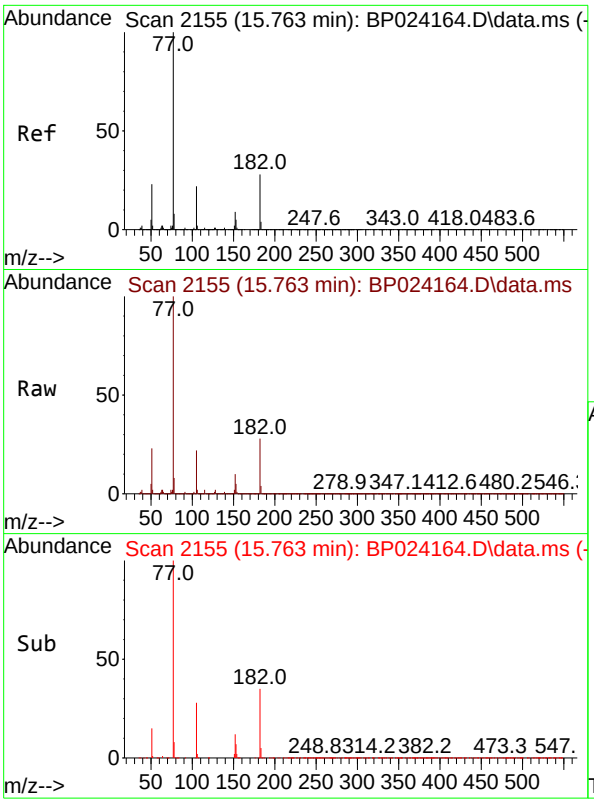


#62
4-Nitroaniline
Concen: 43.134 ng
RT: 15.487 min Scan# 2108
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:138 Resp: 638694

Ion	Ratio	Lower	Upper
138	100		
92	48.7	28.7	68.7
108	69.5	49.5	89.5



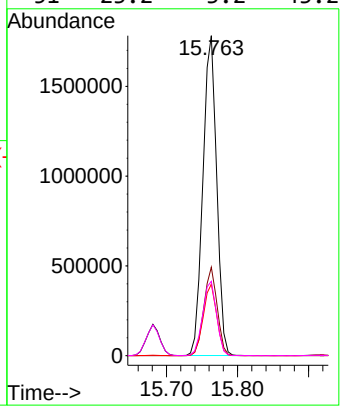


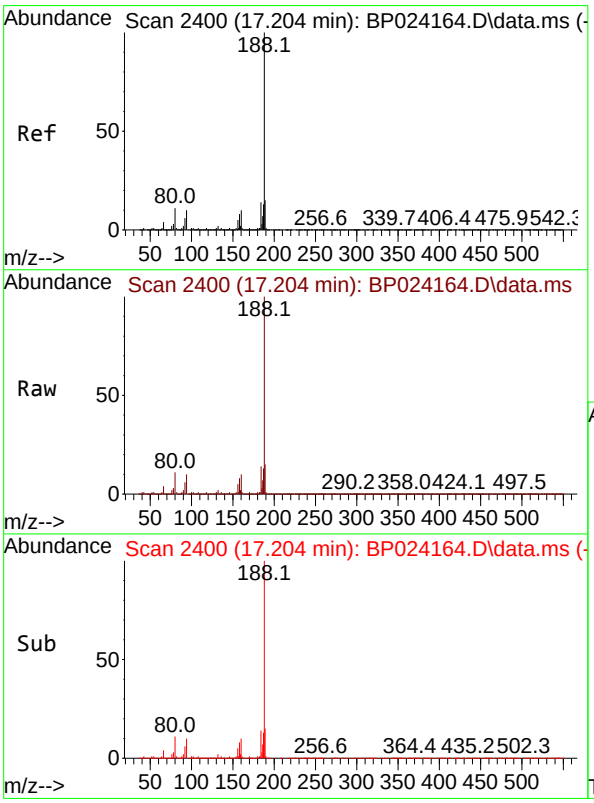
#63
Azobenzene
Concen: 39.335 ng
RT: 15.763 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 2401881

Ion	Ratio	Lower	Upper
77	100		
182	27.7	7.7	47.7
105	22.3	2.3	42.3
51	23.2	3.2	43.2

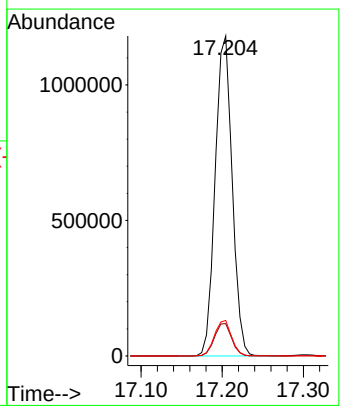


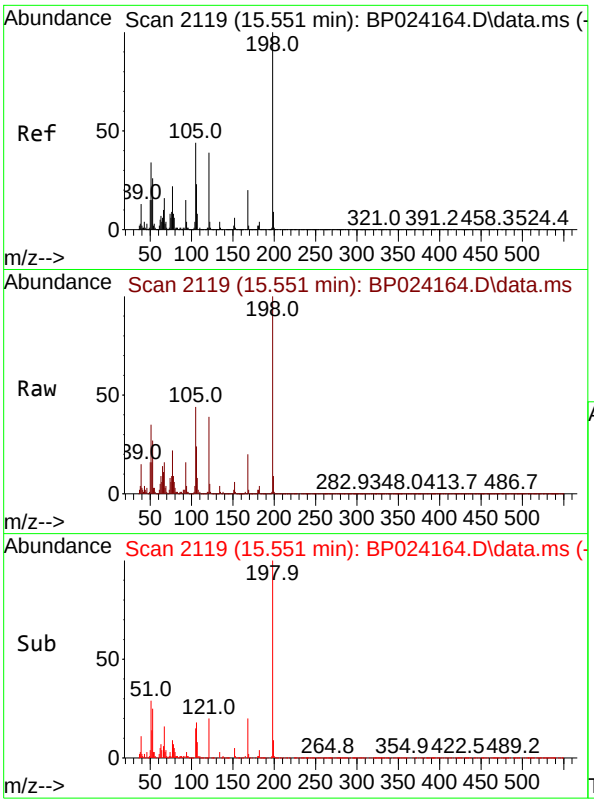


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2400
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:188 Resp: 1720919

Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.1	12.1
80	11.1	8.9	13.3



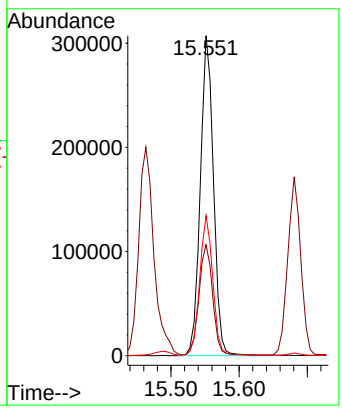


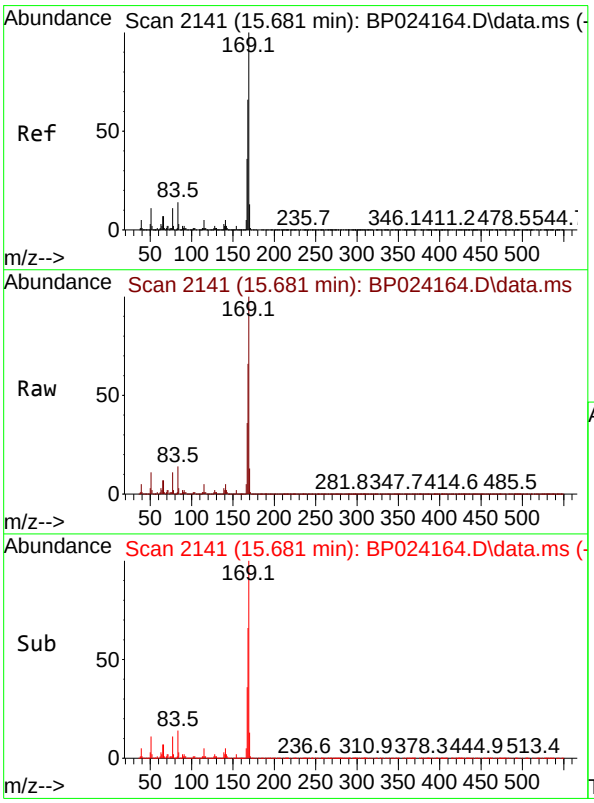
#65
4,6-Dinitro-2-methylphenol
Concen: 41.395 ng
RT: 15.551 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 412313

Ion	Ratio	Lower	Upper
198	100		
51	34.7	14.7	54.7
105	43.8	23.8	63.8

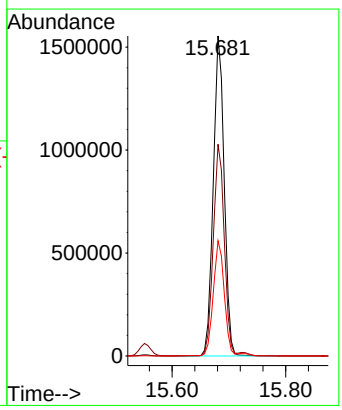


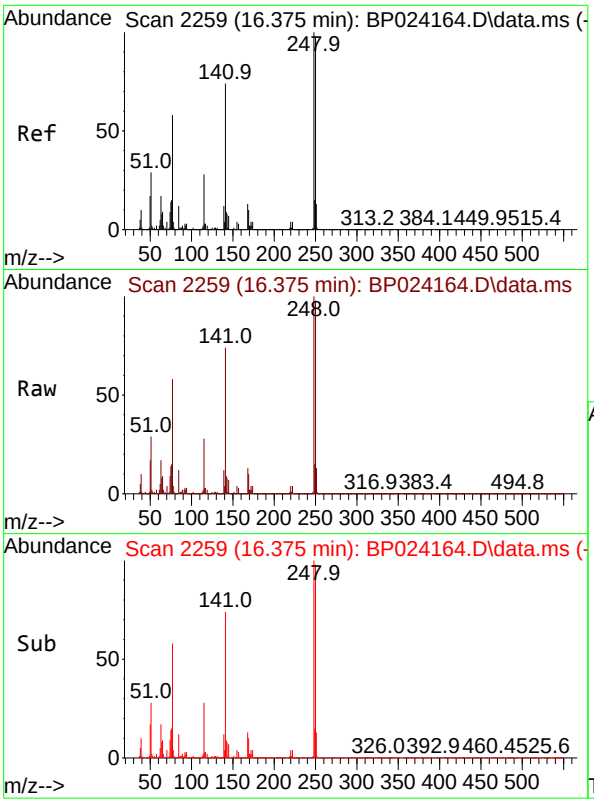


#66
n-Nitrosodiphenylamine
Concen: 38.450 ng
RT: 15.681 min Scan# 2141
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:169 Resp: 2063452

Ion	Ratio	Lower	Upper
169	100		
168	66.1	52.9	79.3
167	36.0	28.8	43.2



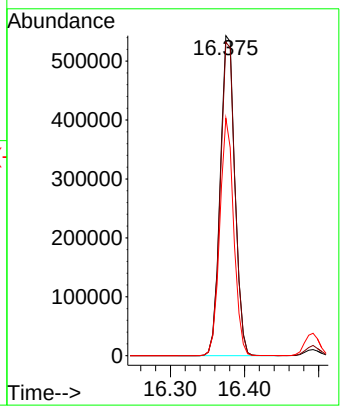


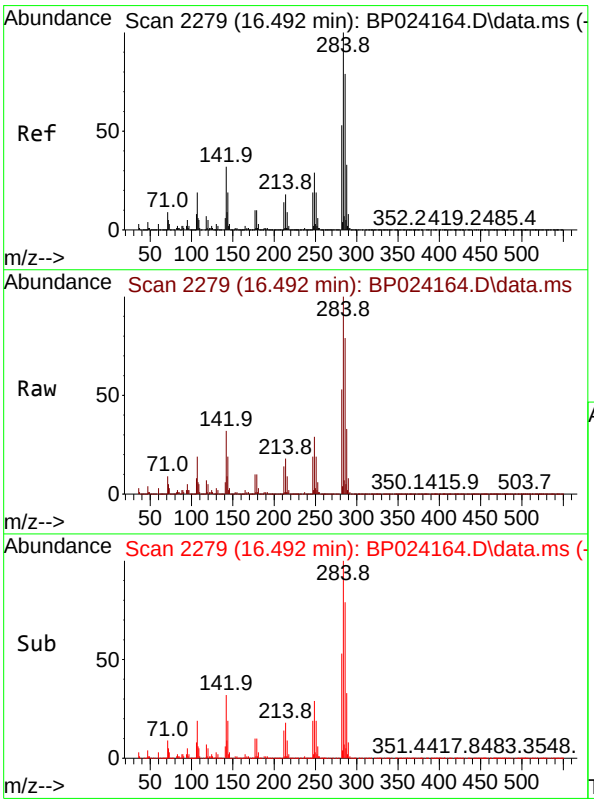
#67
4-Bromophenyl-phenylether
Concen: 38.570 ng
RT: 16.375 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 745376

Ion	Ratio	Lower	Upper
248	100		
250	98.0	78.4	117.6
141	74.2	59.4	89.0

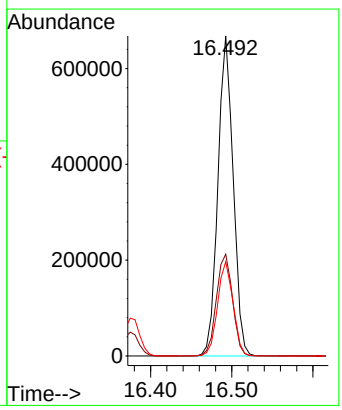


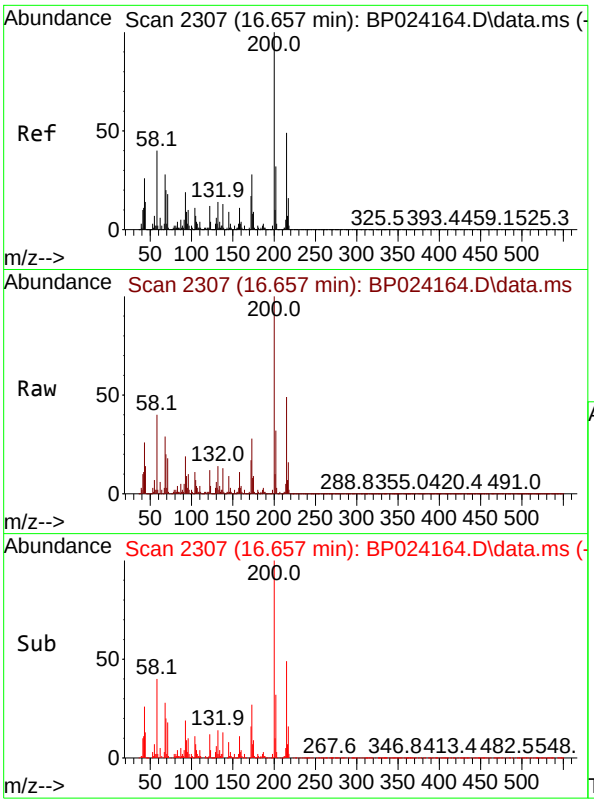


#68
Hexachlorobenzene
Concen: 38.435 ng
RT: 16.492 min Scan# 2279
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:284 Resp: 873989

Ion	Ratio	Lower	Upper
284	100		
142	31.8	25.4	38.2
249	29.4	23.5	35.3



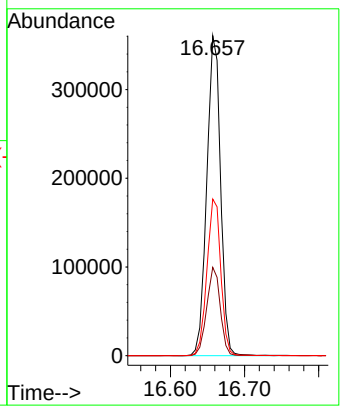


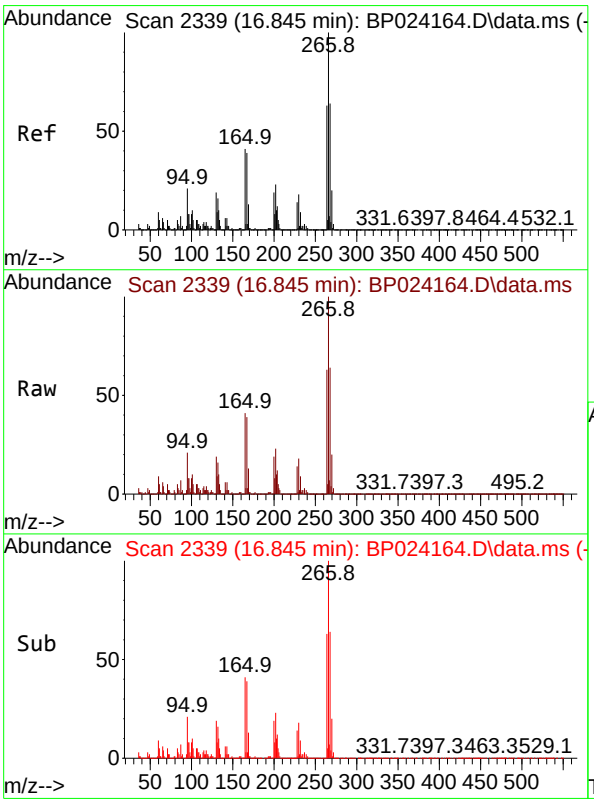
#69
Atrazine
Concen: 33.855 ng
RT: 16.657 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 466258

Ion	Ratio	Lower	Upper
200	100		
173	27.6	7.6	47.6
215	49.0	29.0	69.0

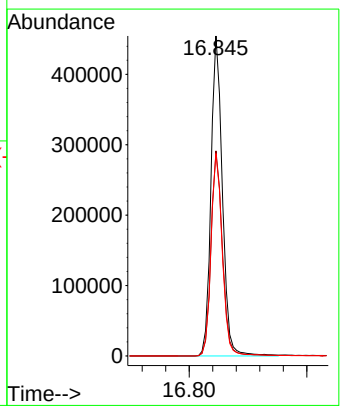


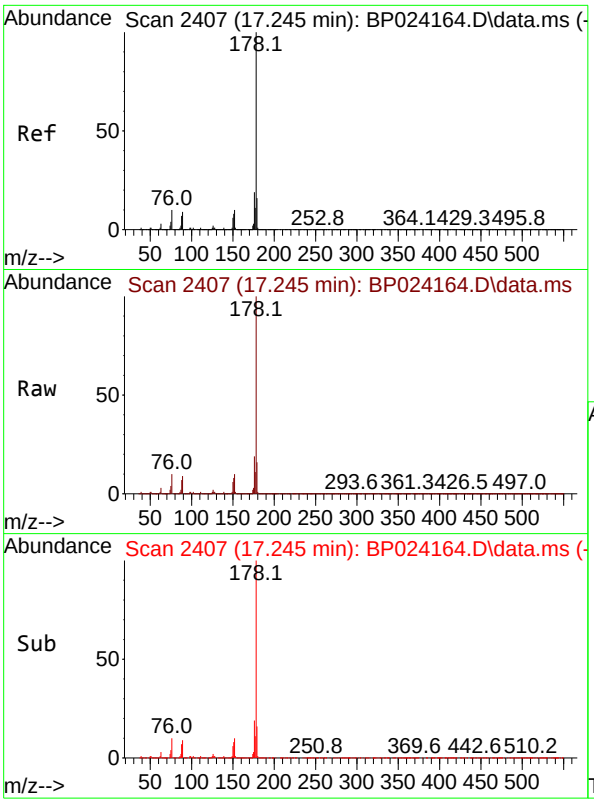


#70
Pentachlorophenol
Concen: 41.352 ng
RT: 16.845 min Scan# 2339
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:266 Resp: 610729

Ion	Ratio	Lower	Upper
266	100		
268	64.1	51.3	76.9
264	63.3	50.6	76.0



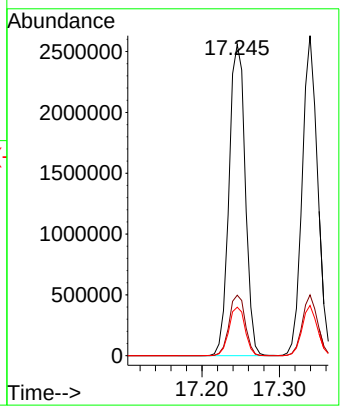


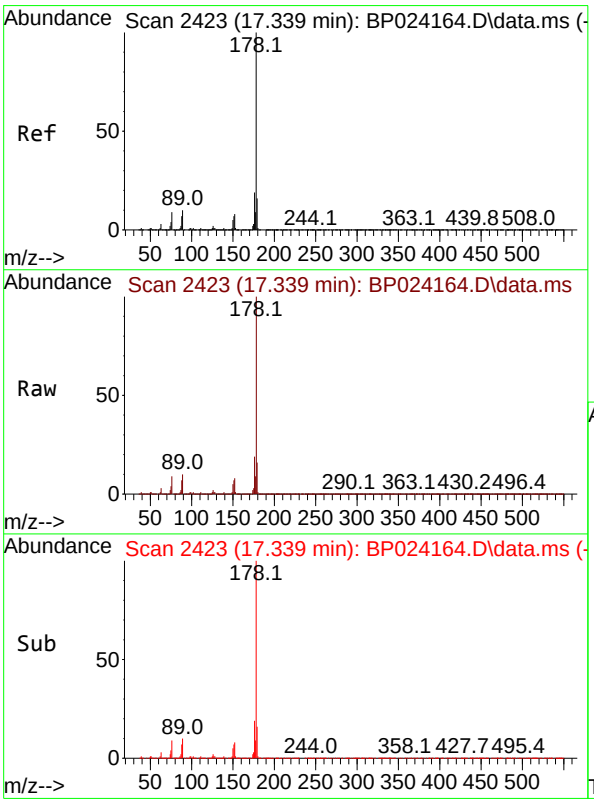
#71
Phenanthrene
Concen: 38.414 ng
RT: 17.245 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 3727050

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.6	23.4
179	15.6	12.5	18.7

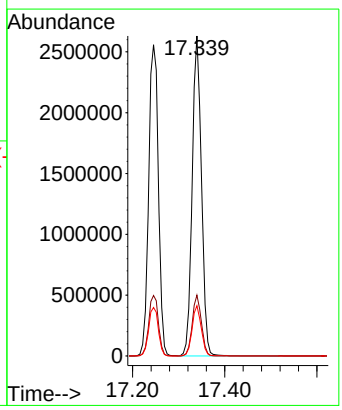


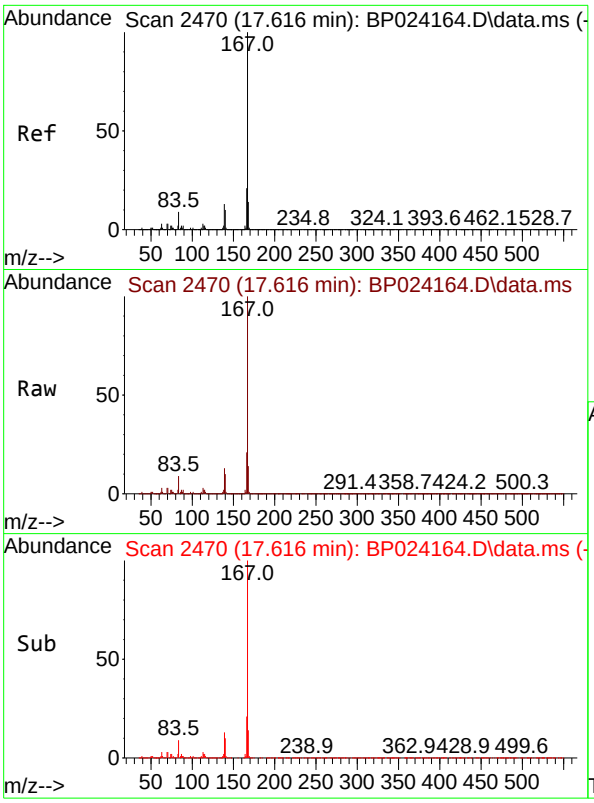


#72
Anthracene
Concen: 39.344 ng
RT: 17.339 min Scan# 2423
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:178 Resp: 3658135

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.2	22.8
179	15.7	12.6	18.8



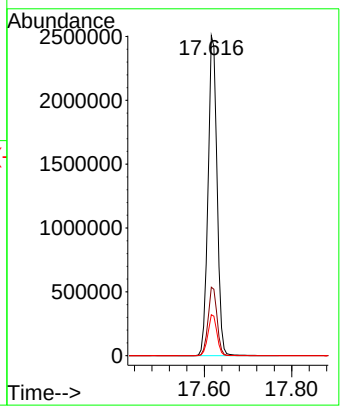


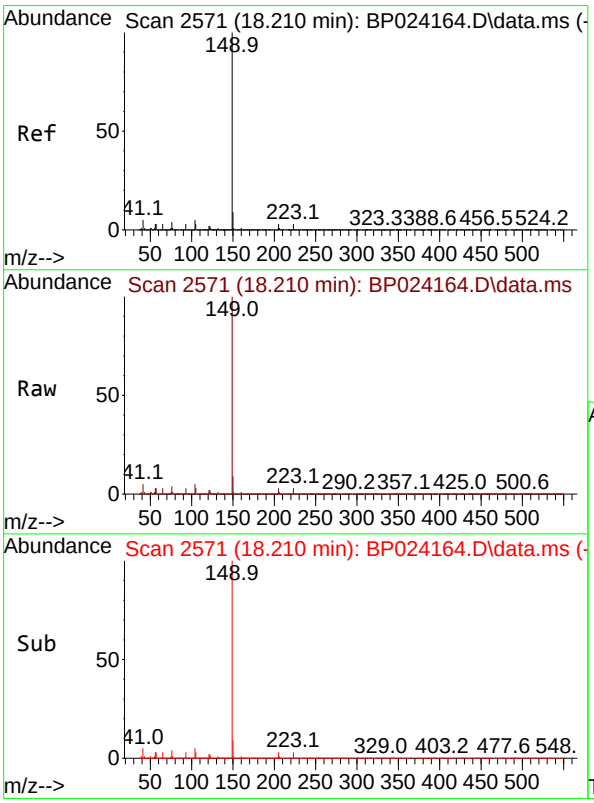
#73
Carbazole
Concen: 40.463 ng
RT: 17.616 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 3584494

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.1	25.7
139	12.8	10.2	15.4

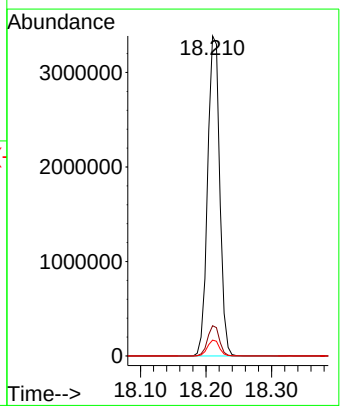


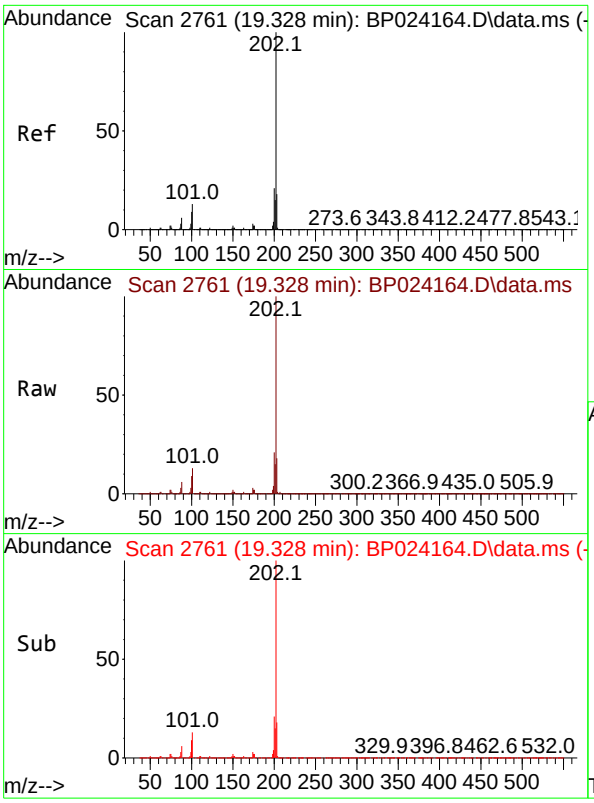


#74
Di-n-butylphthalate
Concen: 41.958 ng
RT: 18.210 min Scan# 2571
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:149 Resp: 4336969

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.6	11.4
104	4.9	3.9	5.9



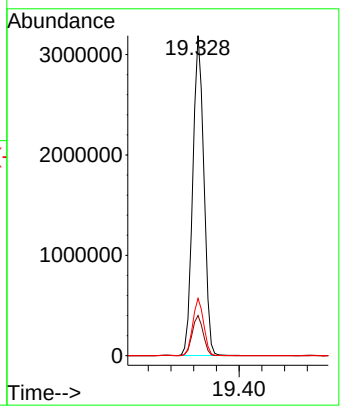


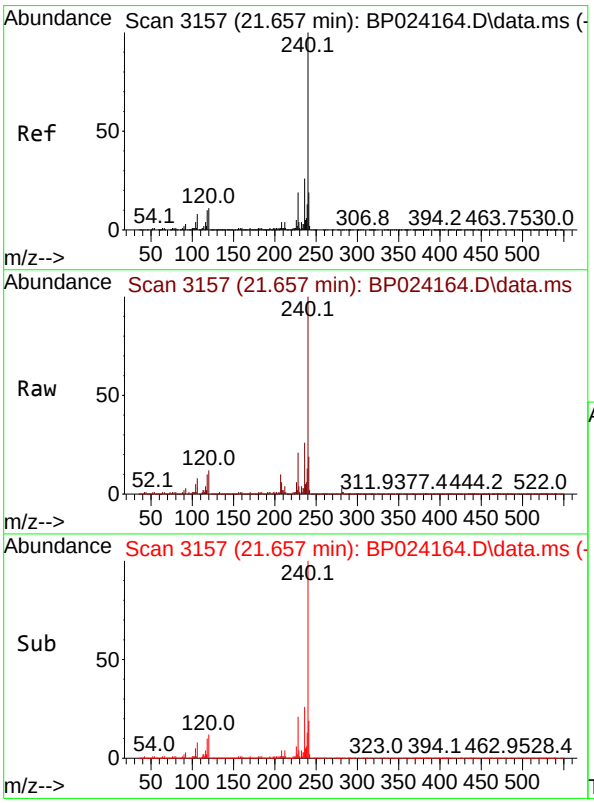
#75
Fluoranthene
Concen: 39.636 ng
RT: 19.328 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 4349734

Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	32.5
203	17.9	0.0	37.9

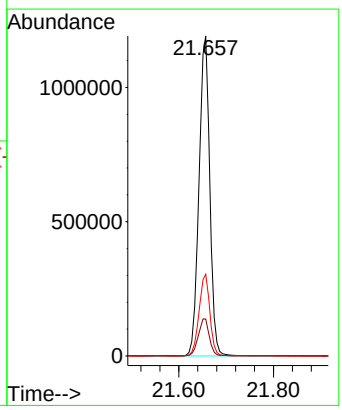


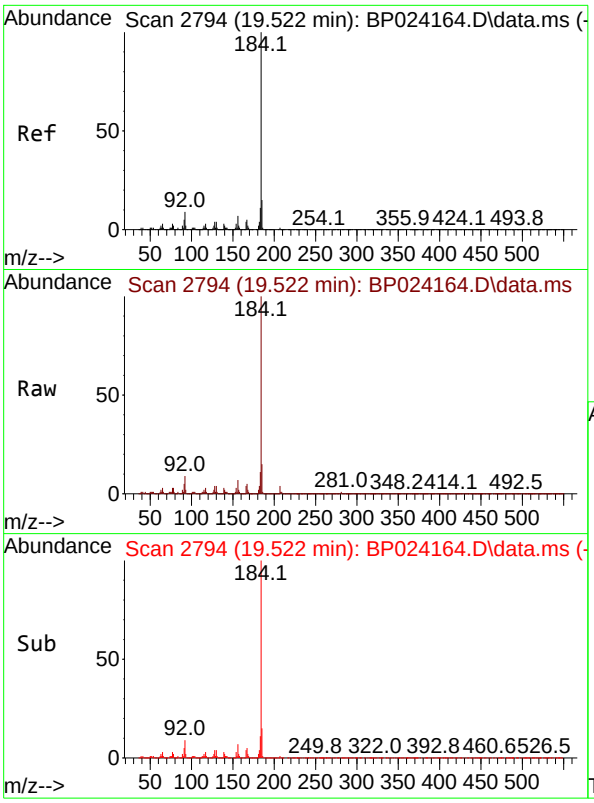


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.657 min Scan# 3157
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:240 Resp: 1881172

Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.2	13.8
236	25.5	20.4	30.6



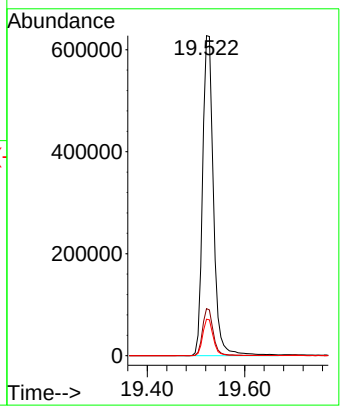


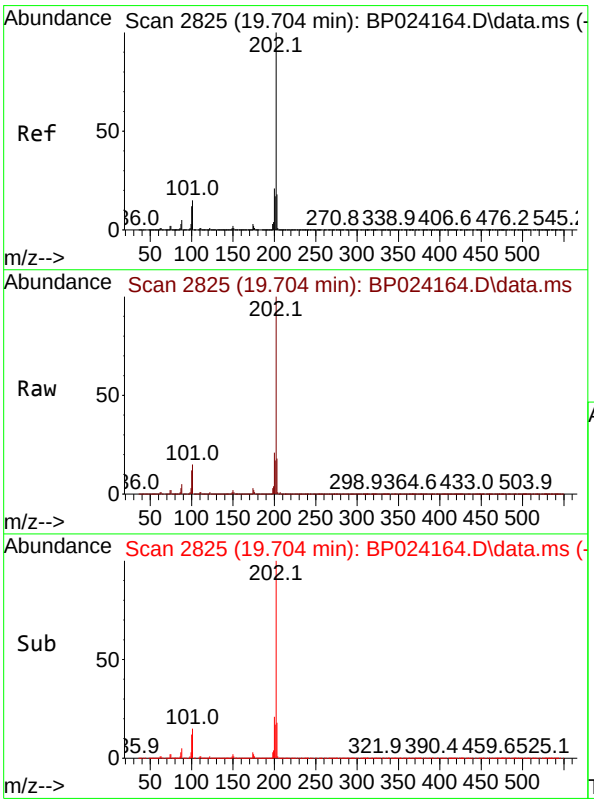
#77
Benzidine
Concen: 42.268 ng
RT: 19.522 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 968916

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.8	17.6
183	11.4	9.1	13.7

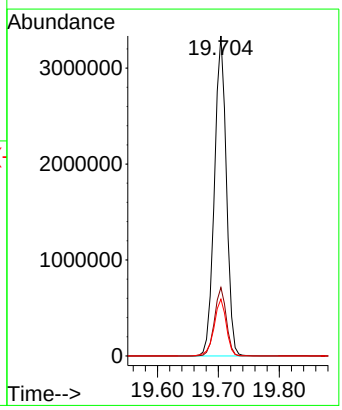


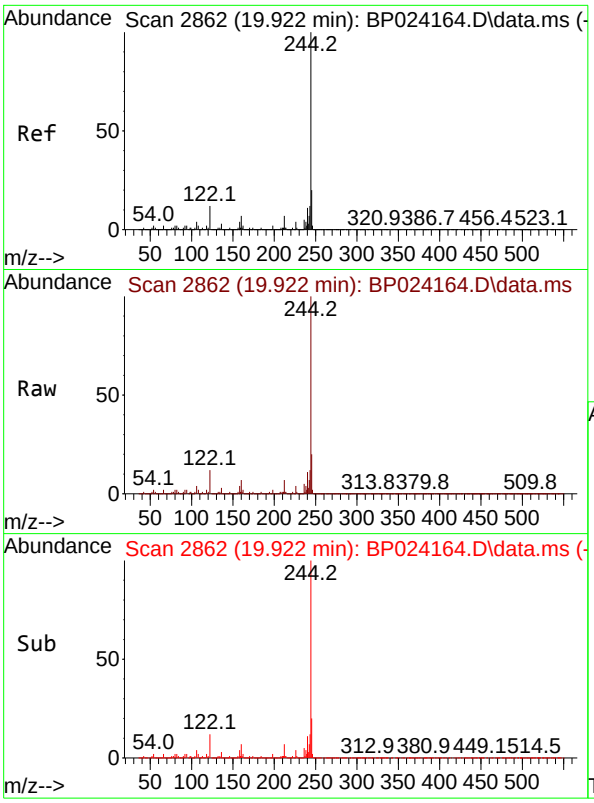


#78
Pyrene
Concen: 37.911 ng
RT: 19.704 min Scan# 2825
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:202 Resp: 4529960

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.1	25.7
203	17.8	14.2	21.4



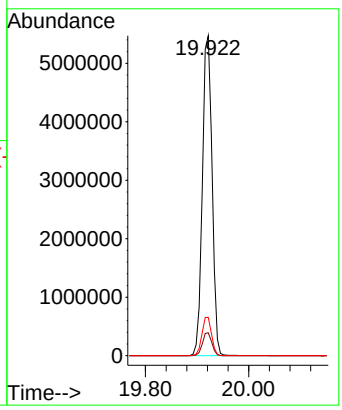


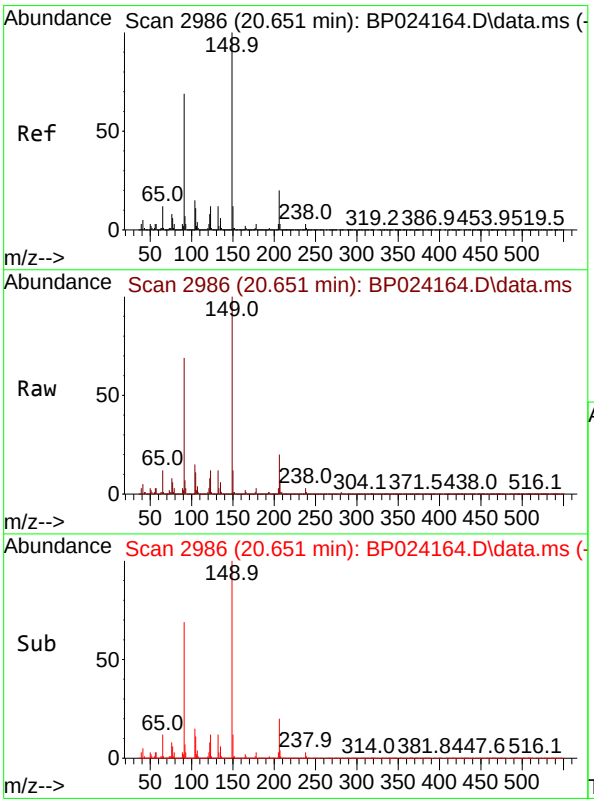
#79
Terphenyl-d14
Concen: 75.038 ng
RT: 19.922 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 7133778

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	12.0	9.6	14.4

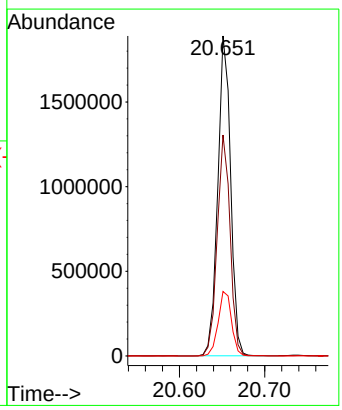


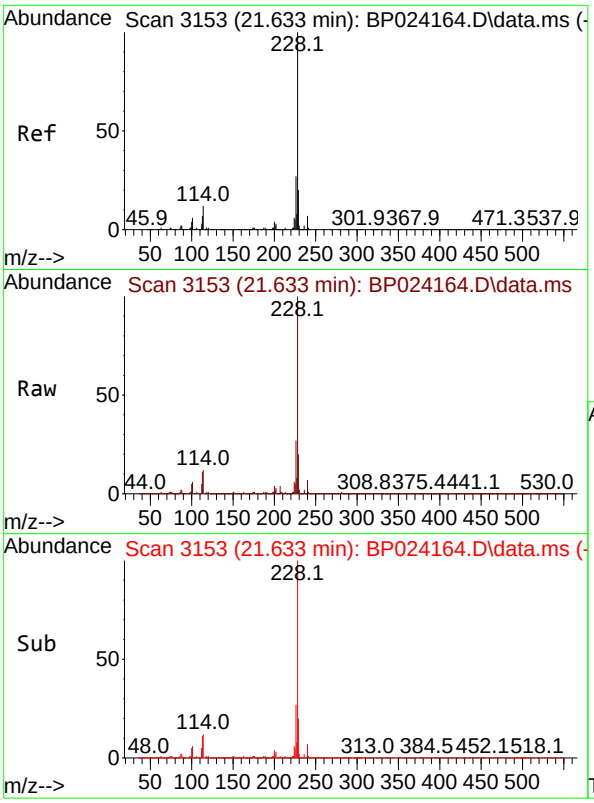


#80
Butylbenzylphthalate
Concen: 43.087 ng
RT: 20.651 min Scan# 2986
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:149 Resp: 1972887

Ion	Ratio	Lower	Upper
149	100		
91	69.1	55.3	82.9
206	20.1	16.1	24.1



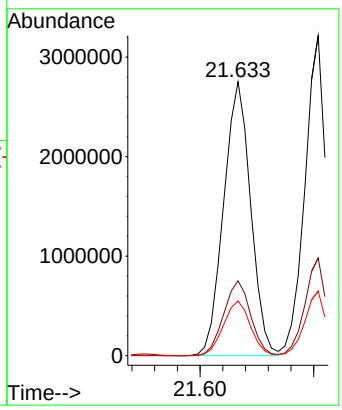


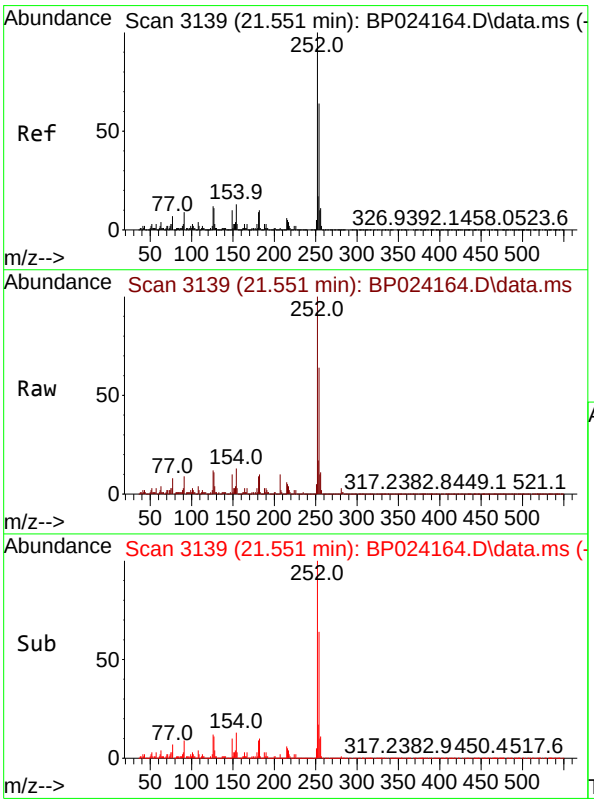
#81
Benzo(a)anthracene
Concen: 38.542 ng
RT: 21.633 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 4546432

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	20.0	16.0	24.0

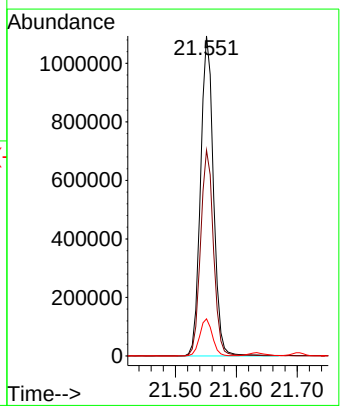


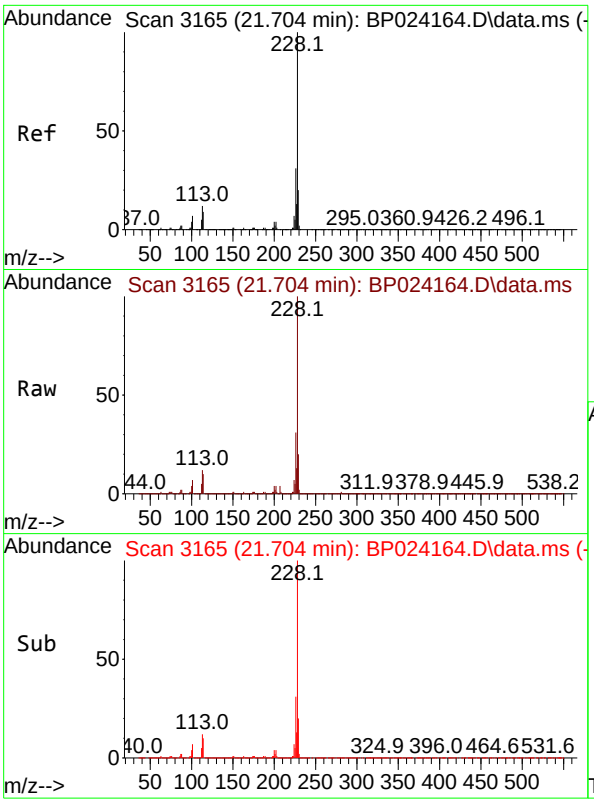


#82
3,3'-Dichlorobenzidine
Concen: 43.694 ng
RT: 21.551 min Scan# 3139
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:252 Resp: 1610565

Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.4	77.2
126	11.6	9.3	13.9



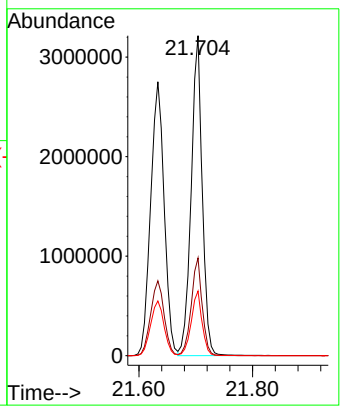


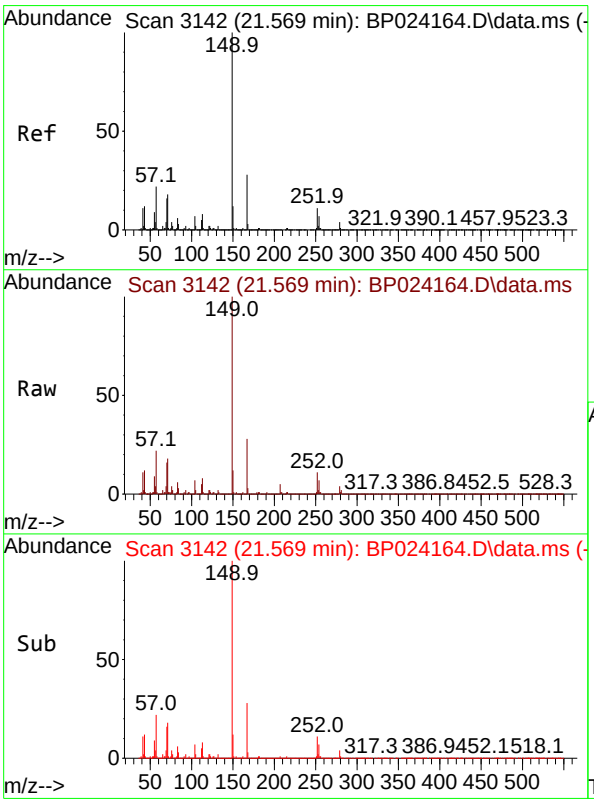
#83
Chrysene
Concen: 38.298 ng
RT: 21.704 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 4356257

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.5	36.7
229	20.2	16.2	24.2

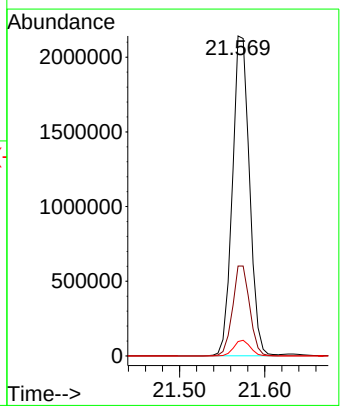


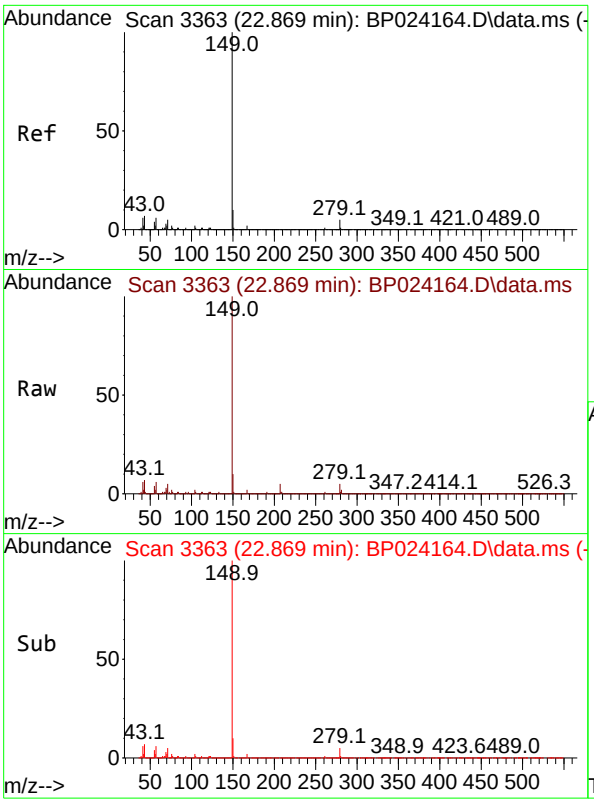


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.929 ng
RT: 21.569 min Scan# 3142
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:149 Resp: 2980735

Ion	Ratio	Lower	Upper
149	100		
167	28.1	22.5	33.7
279	4.5	3.6	5.4



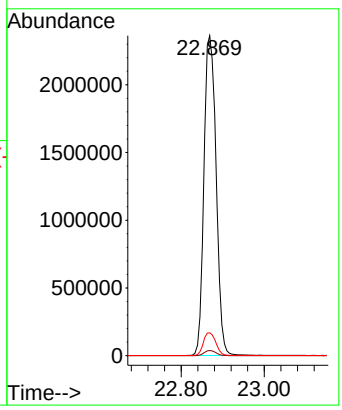


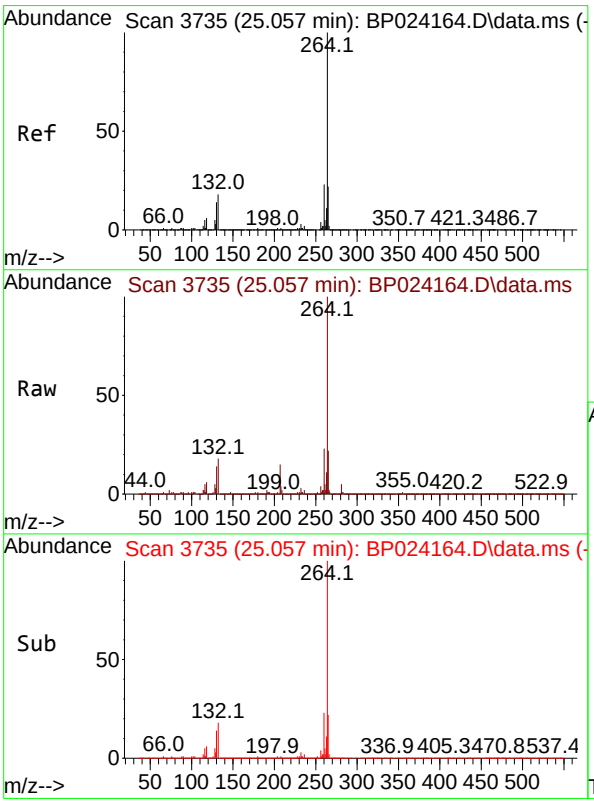
#85
Di-n-octyl phthalate
Concen: 43.129 ng
RT: 22.869 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 4786749

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.3	5.8	8.8

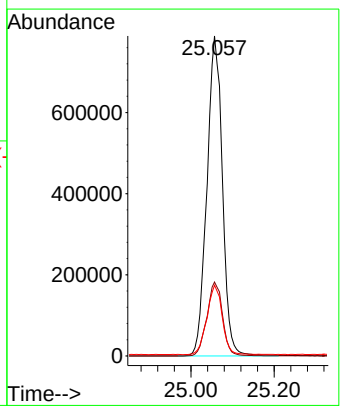


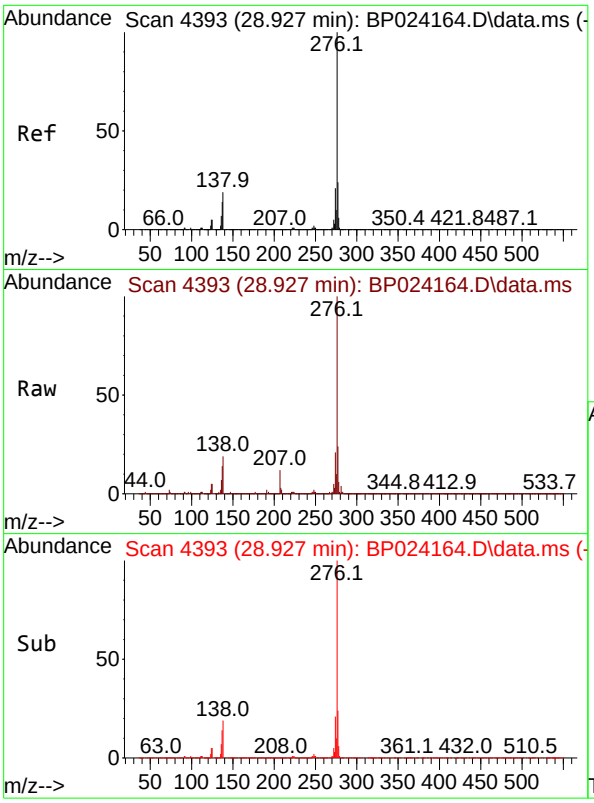


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.057 min Scan# 3735
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:264 Resp: 2043442

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	22.1	17.7	26.5



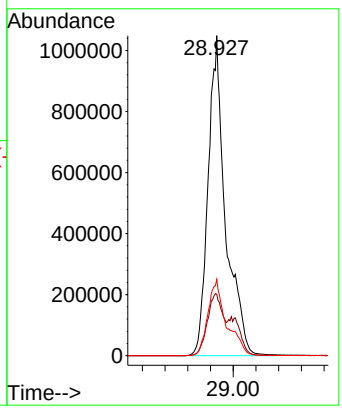


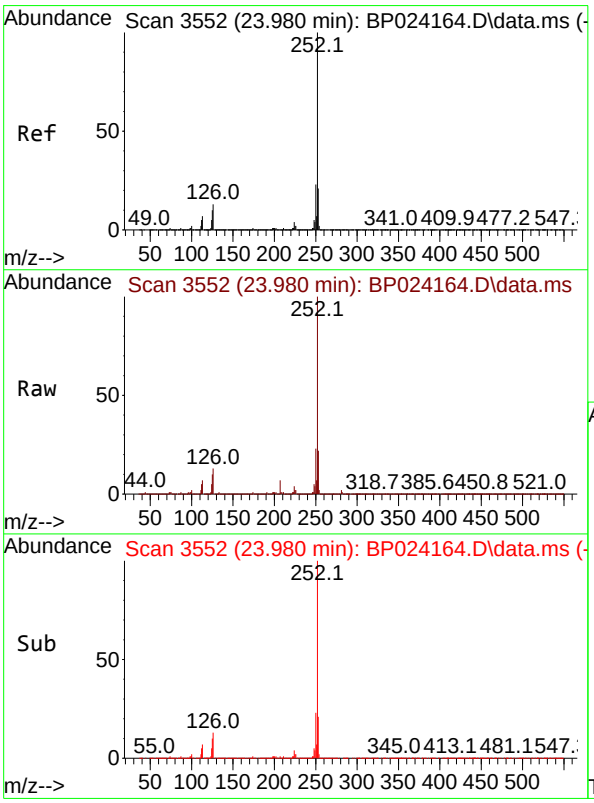
#87
Indeno(1,2,3-cd)pyrene
Concen: 38.410 ng
RT: 28.927 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 5583803

Ion	Ratio	Lower	Upper
276	100		
138	17.1	13.7	20.5
277	25.2	20.2	30.2

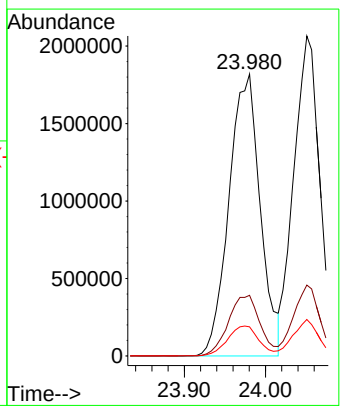


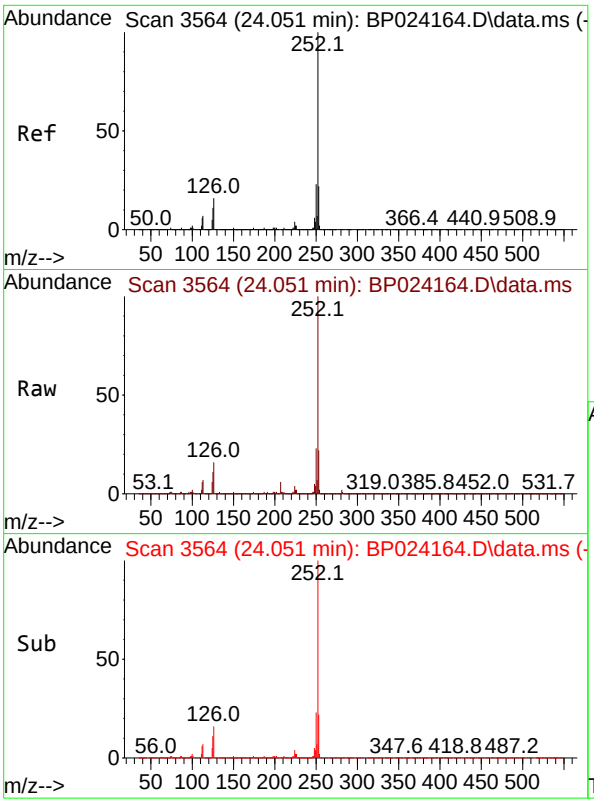


#88
Benzo(b)fluoranthene
Concen: 37.490 ng
RT: 23.980 min Scan# 3552
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:252 Resp: 4864855

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.2	25.8
125	10.3	8.2	12.4



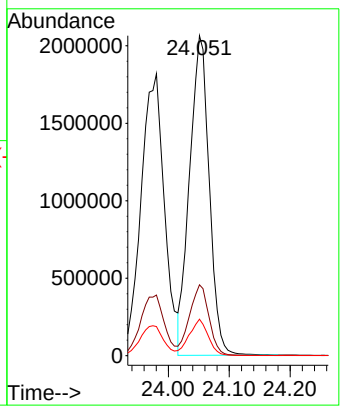


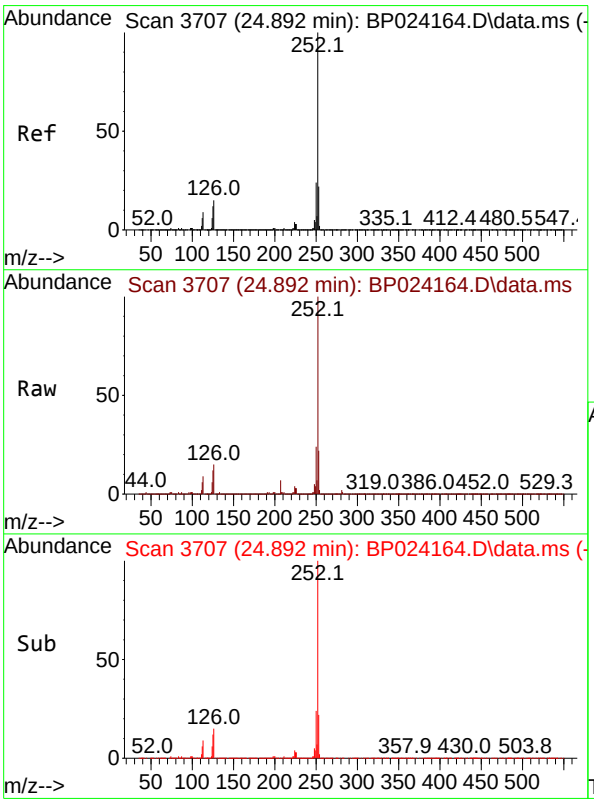
#89
Benzo(k)fluoranthene
Concen: 36.566 ng
RT: 24.051 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 4618537

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.4	9.1	13.7

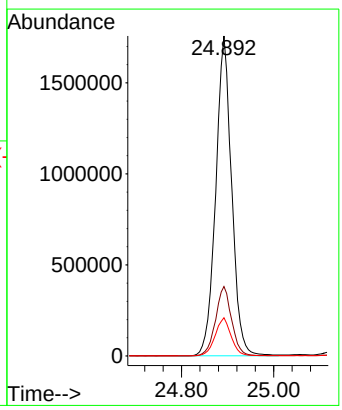


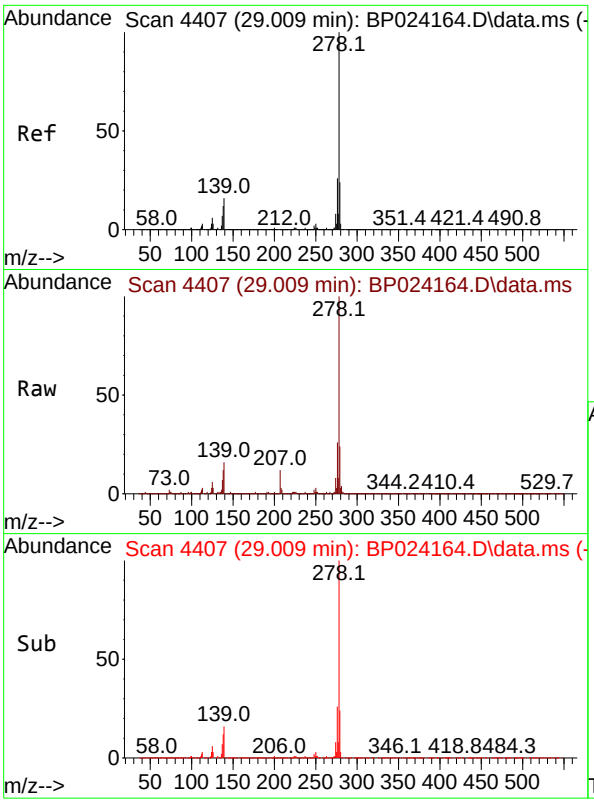


#90
Benzo(a)pyrene
Concen: 38.180 ng
RT: 24.892 min Scan# 3707
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:252 Resp: 4204610

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	12.0	9.6	14.4



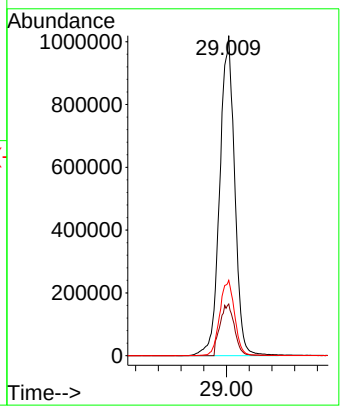


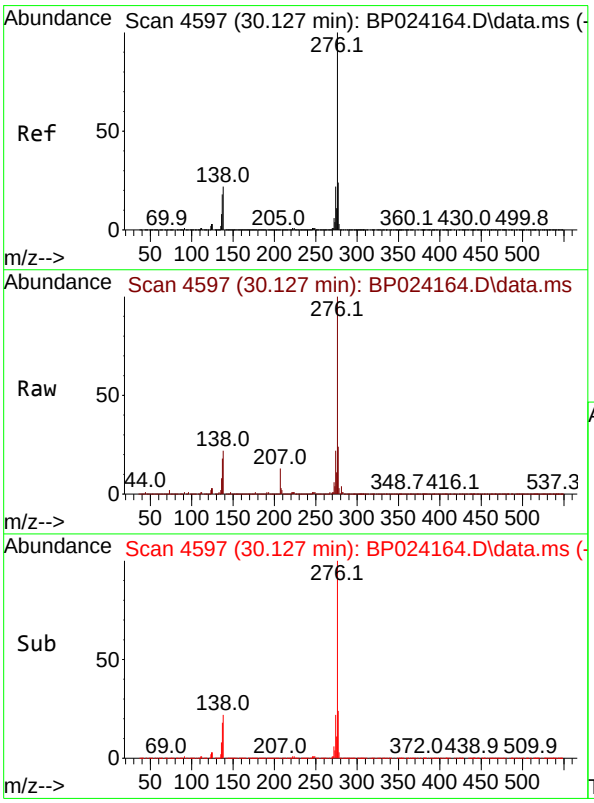
#91
Dibenzo(a,h)anthracene
Concen: 38.014 ng
RT: 29.009 min Scan# 44
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 4646524

Ion	Ratio	Lower	Upper
278	100		
139	16.2	13.0	19.4
279	23.5	18.8	28.2

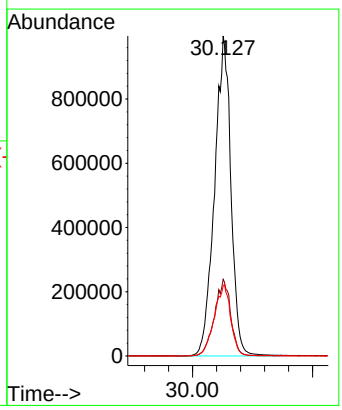




#92
Benzo(g,h,i)perylene
Concen: 38.011 ng
RT: 30.127 min Scan# 4597
Delta R.T. 0.000 min
Lab File: BP024164.D
Acq: 12 Mar 2025 19:00

Tgt Ion:276 Resp: 4714749

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.2	28.8
138	21.8	17.4	26.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024165.D
Acq On : 12 Mar 2025 19:41
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: Mar 13 04:09:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.775	152	362382	20.000	ng		0.00
21) Naphthalene-d8	10.551	136	1504882	20.000	ng		0.00
39) Acenaphthene-d10	14.410	164	918204	20.000	ng		0.00
64) Phenanthrene-d10	17.216	188	1730200	20.000	ng		0.01
76) Chrysene-d12	21.674	240	1856010	20.000	ng		0.02
86) Perylene-d12	25.086	264	2039908	20.000	ng		0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.381	112	2339783	100.747	ng		0.00
7) Phenol-d6	6.952	99	3169724	106.191	ng		0.00
23) Nitrobenzene-d5	8.928	82	2723412	100.962	ng		0.00
42) 2,4,6-Tribromophenol	15.928	330	1240173	110.267	ng		0.01
45) 2-Fluorobiphenyl	13.022	172	6129086	93.318	ng		0.00
79) Terphenyl-d14	19.945	244	8967575	95.606	ng		0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.316	88	449736	49.365	ng		100
3) Pyridine	3.716	79	1264797m	53.398	ng		
4) n-Nitrosodimethylamine	3.622	42	417922	49.741	ng		99
6) Aniline	7.110	93	1402509	51.307	ng		100
8) 2-Chlorophenol	7.346	128	1260095	51.262	ng		98
9) Benzaldehyde	6.922	77	680024	49.899	ng		99
10) Phenol	6.981	94	1580281	52.648	ng		98
11) bis(2-Chloroethyl)ether	7.199	93	1214752	51.383	ng		99
12) 1,3-Dichlorobenzene	7.663	146	1338137	49.552	ng		99
13) 1,4-Dichlorobenzene	7.810	146	1352373	49.520	ng		100
14) 1,2-Dichlorobenzene	8.122	146	1299613	49.586	ng		99
15) Benzyl Alcohol	8.010	79	1016261	55.621	ng		100
16) 2,2'-oxybis(1-Chloropr...	8.299	45	1236313	53.871	ng		99
17) 2-Methylphenol	8.216	107	1010720	55.257	ng		100
18) Hexachloroethane	8.846	117	482437	49.052	ng		97
19) n-Nitroso-di-n-propyla...	8.575	70	929876	57.939	ng		99
20) 3+4-Methylphenols	8.540	107	1401754	56.333	ng		99
22) Acetophenone	8.587	105	1912289	49.450	ng	#	99
24) Nitrobenzene	8.969	77	1335288	50.299	ng		99
25) Isophorone	9.487	82	2389410	54.168	ng		100
26) 2-Nitrophenol	9.669	139	686089	56.096	ng		99
27) 2,4-Dimethylphenol	9.734	122	840657	52.362	ng		99
28) bis(2-Chloroethoxy)met...	9.963	93	1612977	50.476	ng		100
29) 2,4-Dichlorophenol	10.210	162	1152247	52.591	ng		98
30) 1,2,4-Trichlorobenzene	10.416	180	1212617	48.306	ng		99
31) Naphthalene	10.604	128	4020722	49.689	ng		100
32) Benzoic acid	9.893	122	900054	61.152	ng		99
33) 4-Chloroaniline	10.710	127	1481634	51.976	ng		99
34) Hexachlorobutadiene	10.893	225	703606	48.392	ng		99
35) Caprolactam	11.510	113	402356	60.646	ng		98
36) 4-Chloro-3-methylphenol	11.845	107	1251209	55.551	ng		100
37) 2-Methylnaphthalene	12.216	142	2749915	51.131	ng		100
38) 1-Methylnaphthalene	12.434	142	2647375	50.600	ng		99
40) 1,2,4,5-Tetrachloroben...	12.587	216	1331287	47.188	ng		100
41) Hexachlorocyclopentadiene	12.569	237	503901	47.999	ng		99
43) 2,4,6-Trichlorophenol	12.828	196	896606	52.112	ng		100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024165.D
Acq On : 12 Mar 2025 19:41
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: Mar 13 04:09:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.904	196	969372	51.517	ng	99
46) 1,1'-Biphenyl	13.234	154	3427883	48.043	ng	100
47) 2-Chloronaphthalene	13.275	162	2559098	47.446	ng	99
48) 2-Nitroaniline	13.475	65	714343	56.066	ng	97
49) Acenaphthylene	14.128	152	4015684	50.533	ng	100
50) Dimethylphthalate	13.869	163	3252950	50.224	ng	100
51) 2,6-Dinitrotoluene	13.981	165	715171	54.206	ng	99
52) Acenaphthene	14.481	154	2516832	49.182	ng	99
53) 3-Nitroaniline	14.310	138	790217	56.128	ng	98
54) 2,4-Dinitrophenol	14.528	184	410616	58.439	ng	99
55) Dibenzofuran	14.816	168	4058172	48.816	ng	99
56) 4-Nitrophenol	14.639	139	685687	56.382	ng	98
57) 2,4-Dinitrotoluene	14.781	165	971087	56.659	ng	99
58) Fluorene	15.481	166	3230571	49.759	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.045	232	851401	52.152	ng	100
60) Diethylphthalate	15.251	149	3265289	50.786	ng	99
61) 4-Chlorophenyl-phenyle...	15.475	204	1572773	49.216	ng	99
62) 4-Nitroaniline	15.504	138	831169	56.889	ng	99
63) Azobenzene	15.769	77	3077821	51.085	ng	98
65) 4,6-Dinitro-2-methylph...	15.563	198	551280	55.051	ng	97
66) n-Nitrosodiphenylamine	15.686	169	2670636	49.497	ng	99
67) 4-Bromophenyl-phenylether	16.386	248	968698	49.858	ng	98
68) Hexachlorobenzene	16.510	284	1136445	49.709	ng	99
69) Atrazine	16.669	200	452391	32.672	ng	99
70) Pentachlorophenol	16.863	266	796545	53.644	ng	99
71) Phenanthrene	17.257	178	4759945	48.797	ng	100
72) Anthracene	17.351	178	4723119	50.526	ng	100
73) Carbazole	17.633	167	4585466	51.485	ng	100
74) Di-n-butylphthalate	18.222	149	5502824	52.951	ng	100
75) Fluoranthene	19.345	202	5644914	51.163	ng	99
77) Benzidine	19.539	184	804810	35.585	ng	99
78) Pyrene	19.727	202	5876091	49.843	ng	100
80) Butylbenzylphthalate	20.674	149	2571381	56.920	ng	99
81) Benzo(a)anthracene	21.657	228	5851357	50.277	ng	100
82) 3,3'-Dichlorobenzidine	21.580	252	2015249	55.414	ng	99
83) Chrysene	21.727	228	5625314	50.126	ng	100
84) Bis(2-ethylhexyl)phtha...	21.592	149	3802016	55.499	ng	100
85) Di-n-octyl phthalate	22.904	149	6298049	57.516	ng	100
87) Indeno(1,2,3-cd)pyrene	28.956	276	7354717	50.680	ng	99
88) Benzo(b)fluoranthene	24.004	252	6342083	48.959	ng	98
89) Benzo(k)fluoranthene	24.080	252	6136938	48.672	ng	99
90) Benzo(a)pyrene	24.927	252	5581393	50.770	ng	99
91) Dibenzo(a,h)anthracene	29.045	278	6072440	49.766	ng	99
92) Benzo(g,h,i)perylene	30.168	276	6130219	49.509	ng	99

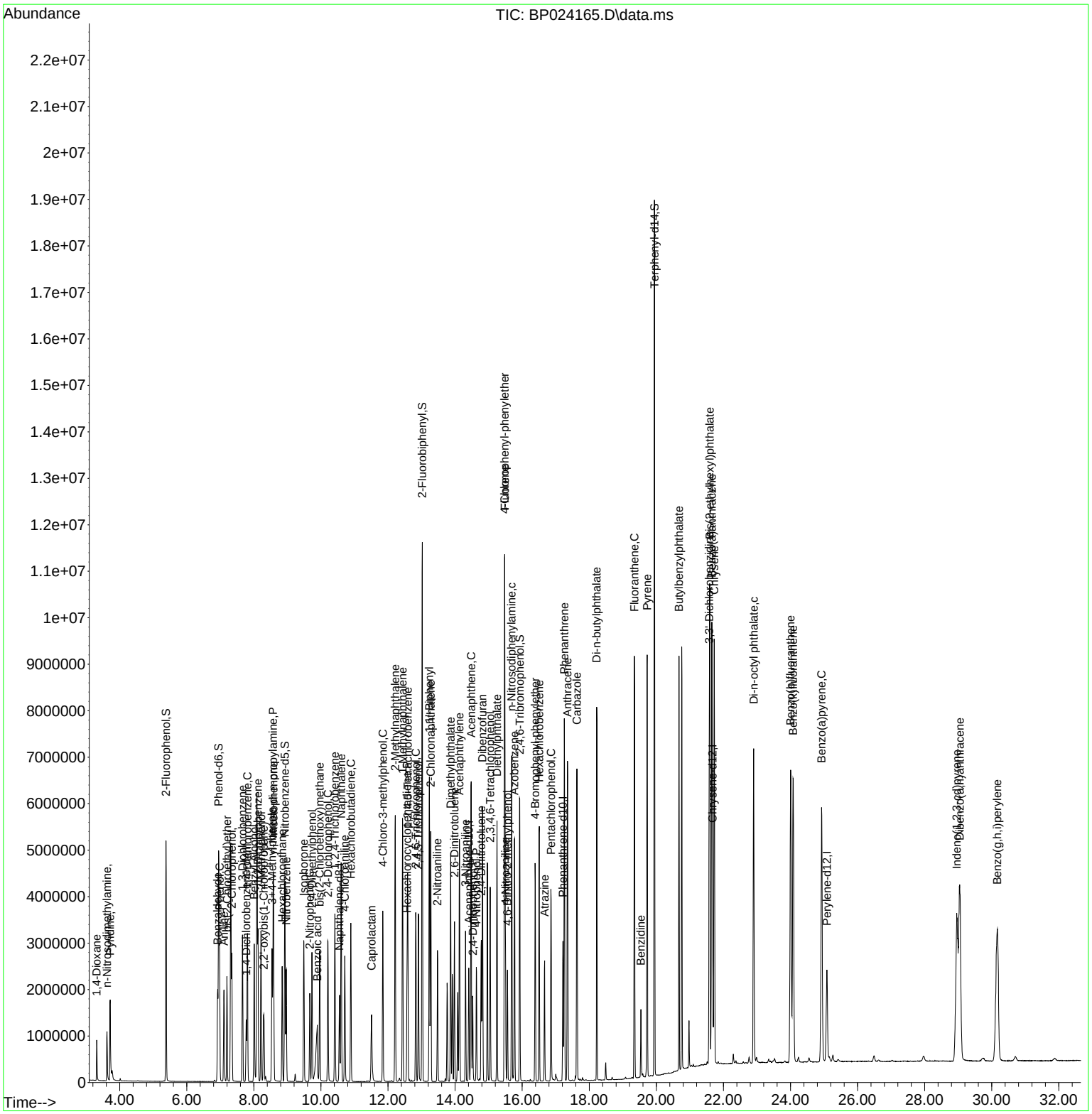
(#) = qualifier out of range (m) = manual integration (+) = signals summed

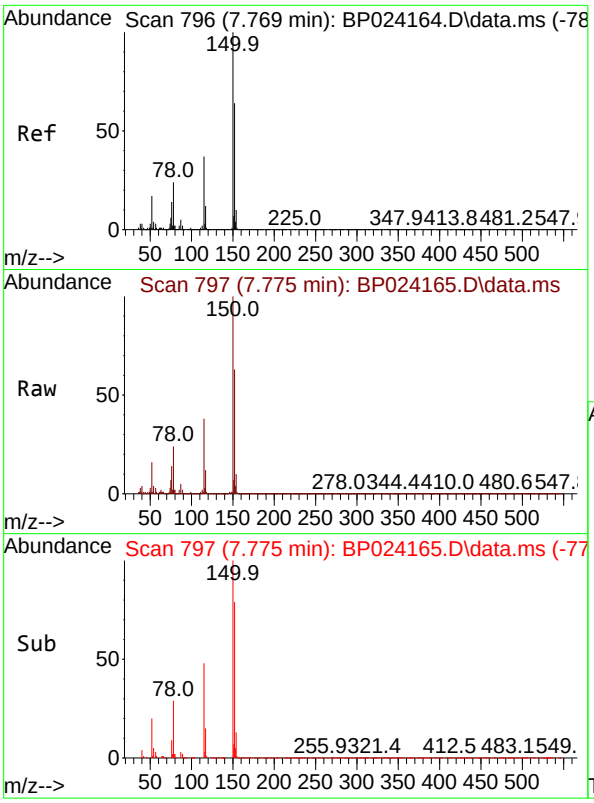
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024165.D
Acq On : 12 Mar 2025 19:41
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Quant Time: Mar 13 04:09:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration



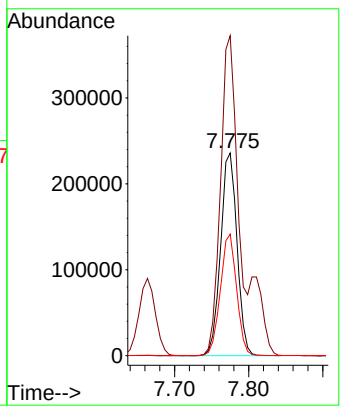


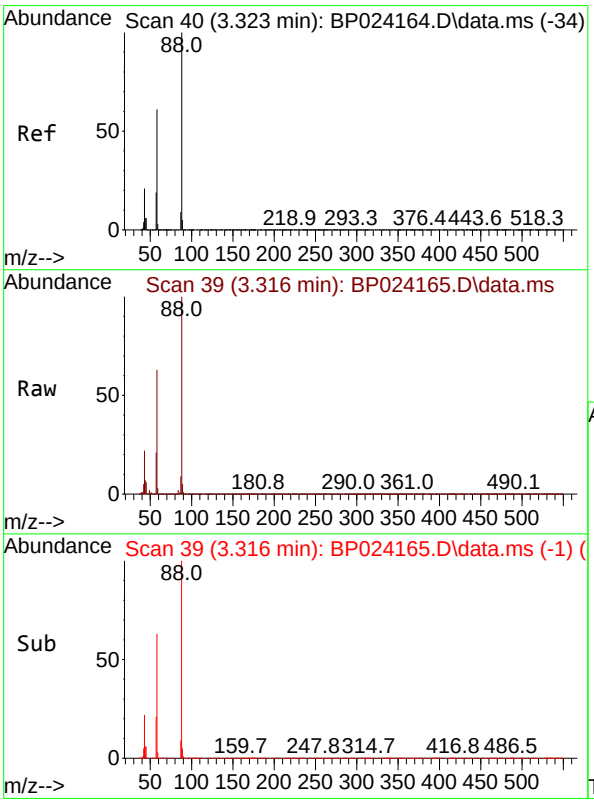
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 362382

Ion	Ratio	Lower	Upper
152	100		
150	157.9	125.5	188.3
115	60.0	46.3	69.5

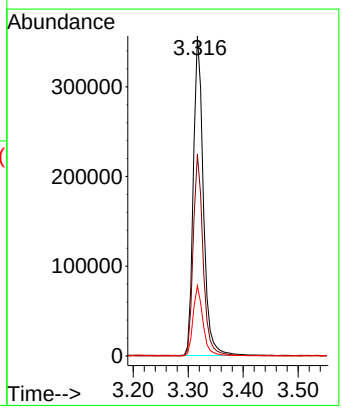


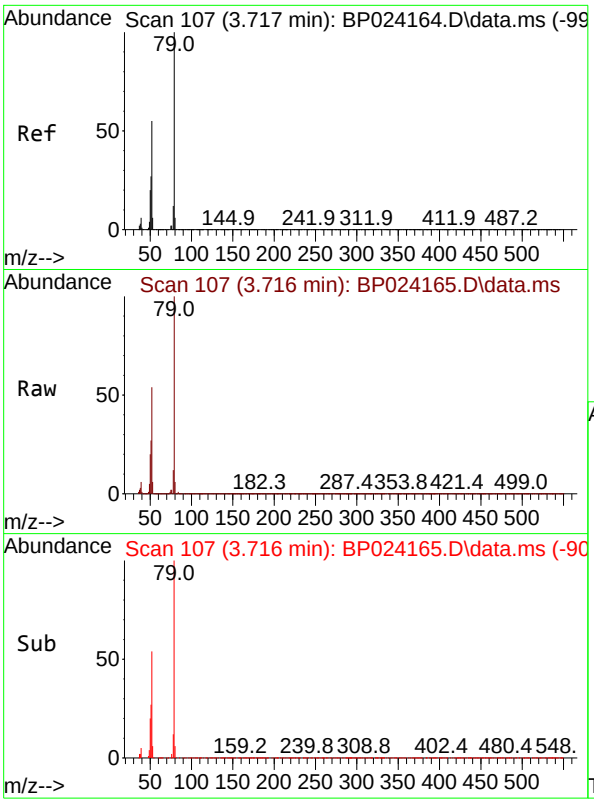


#2
1,4-Dioxane
Concen: 49.365 ng
RT: 3.316 min Scan# 39
Delta R.T. -0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion: 88 Resp: 449736

Ion	Ratio	Lower	Upper
88	100		
58	62.6	49.8	74.6
43	21.6	17.3	25.9



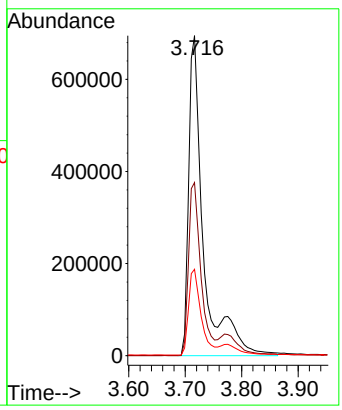


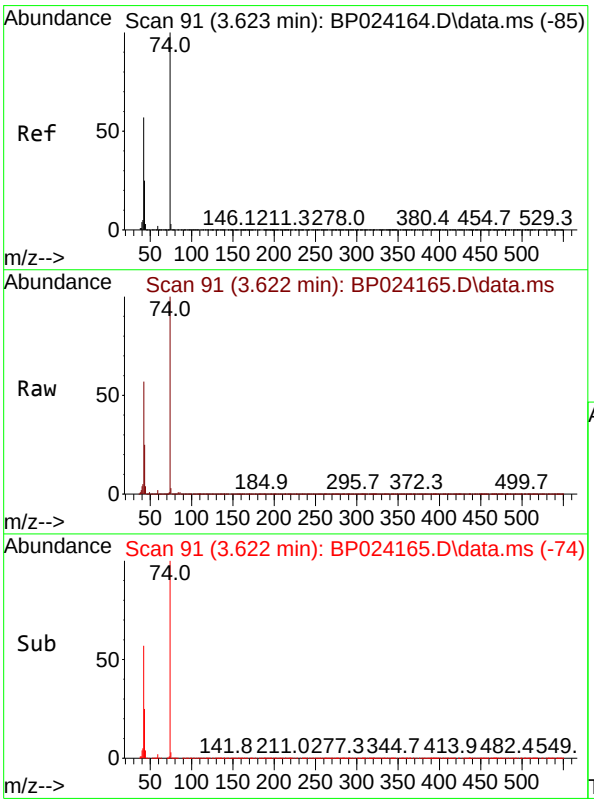
#3
Pyridine
Concen: 53.398 ng m
RT: 3.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 1264797

Ion	Ratio	Lower	Upper
79	100		
52	54.1	43.8	65.8
51	27.0	21.6	32.4

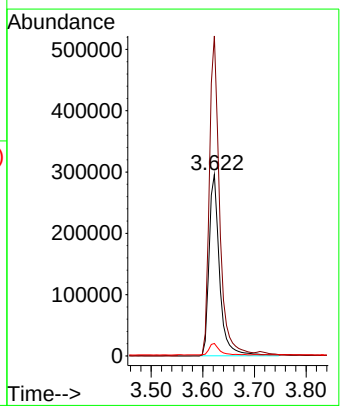


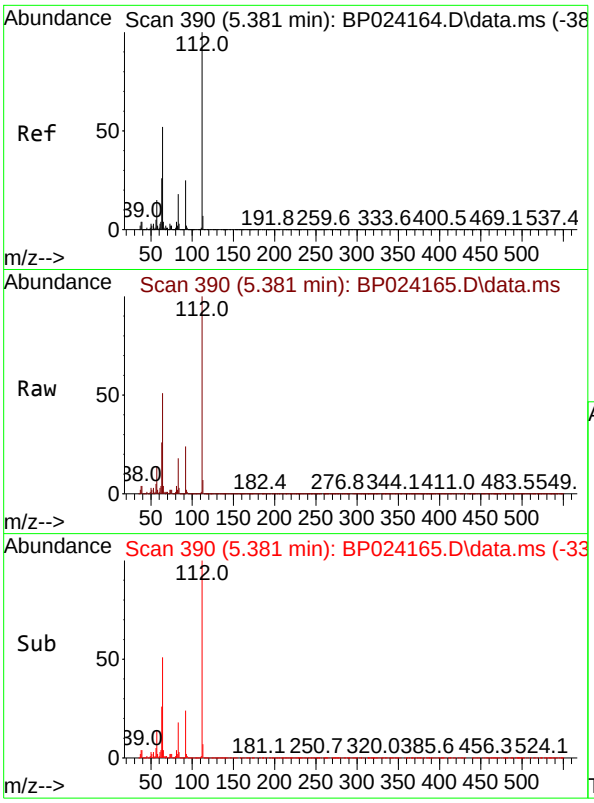


#4
n-Nitrosodimethylamine
Concen: 49.741 ng
RT: 3.622 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion: 42 Resp: 417922

Ion	Ratio	Lower	Upper
42	100		
74	176.4	139.8	209.6
44	6.9	5.3	7.9



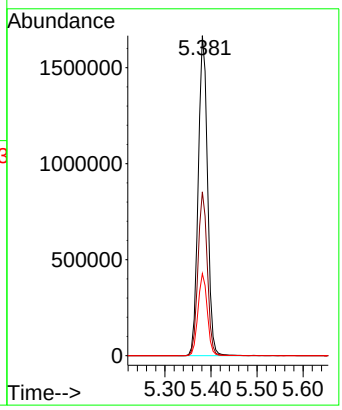


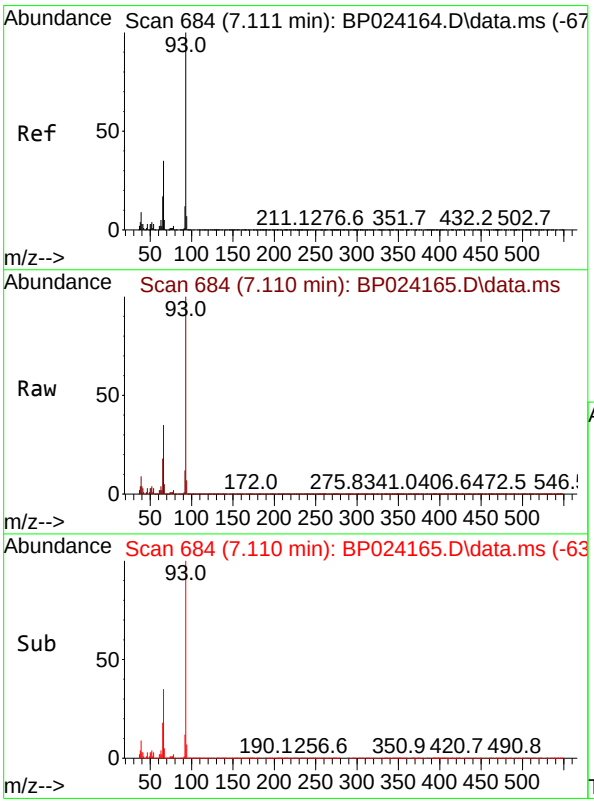
#5
2-Fluorophenol
Concen: 100.747 ng
RT: 5.381 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 2339783

Ion	Ratio	Lower	Upper
112	100		
64	51.2	41.3	61.9
63	25.7	20.6	31.0

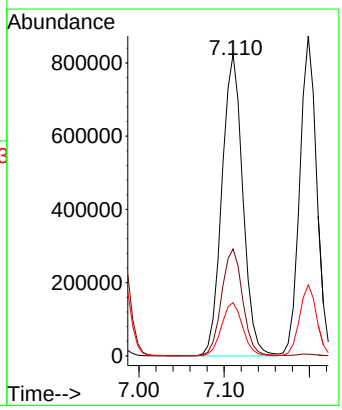


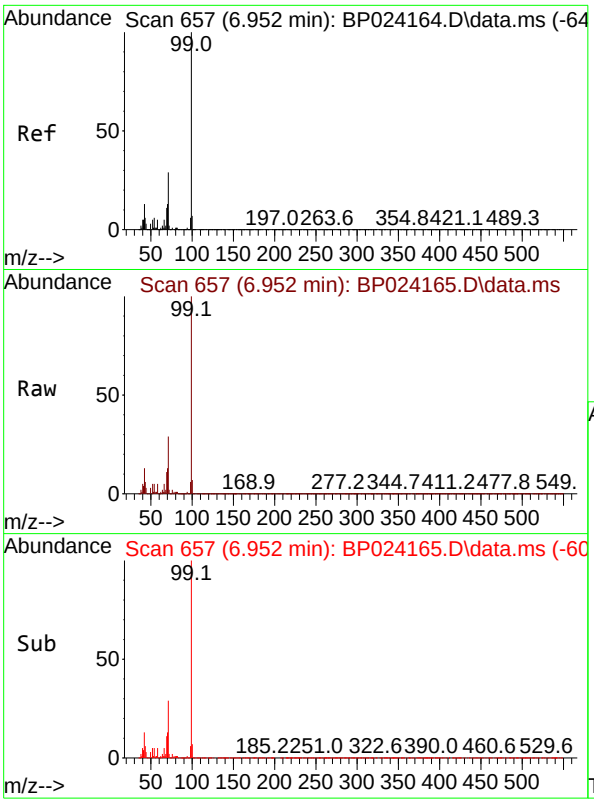


#6
Aniline
Concen: 51.307 ng
RT: 7.110 min Scan# 684
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion: 93 Resp: 1402509

Ion	Ratio	Lower	Upper
93	100		
66	35.5	28.2	42.2
65	17.7	14.0	21.0



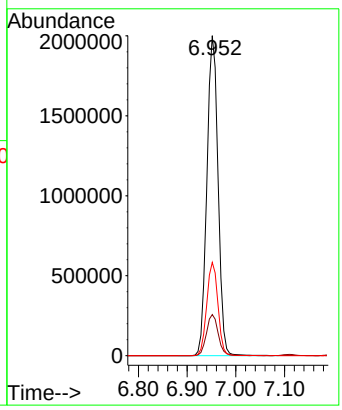


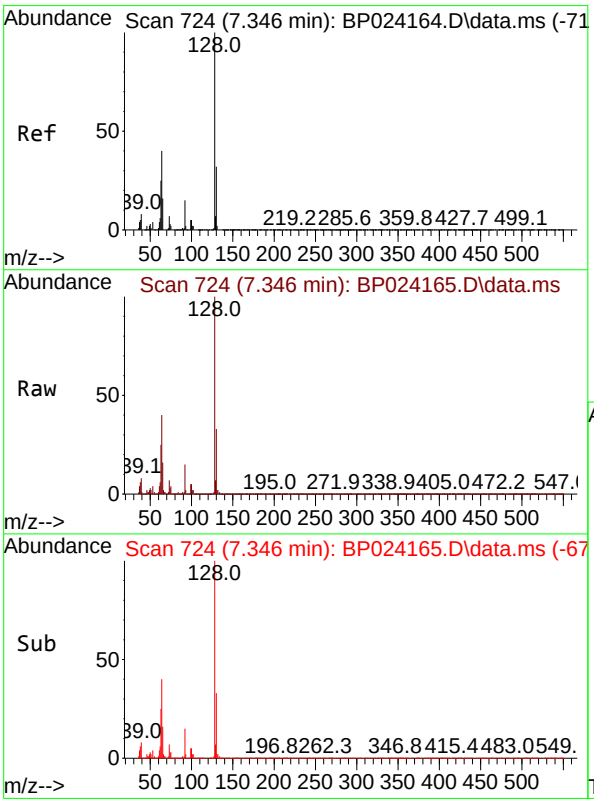
#7
Phenol-d6
Concen: 106.191 ng
RT: 6.952 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 3169724

Ion	Ratio	Lower	Upper
99	100		
42	12.9	10.6	16.0
71	29.1	23.3	34.9

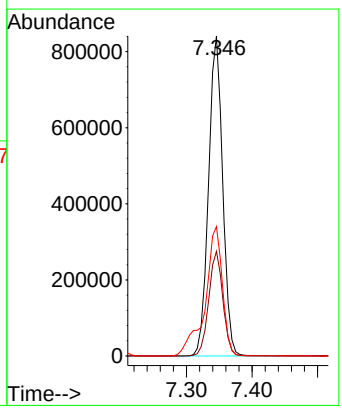


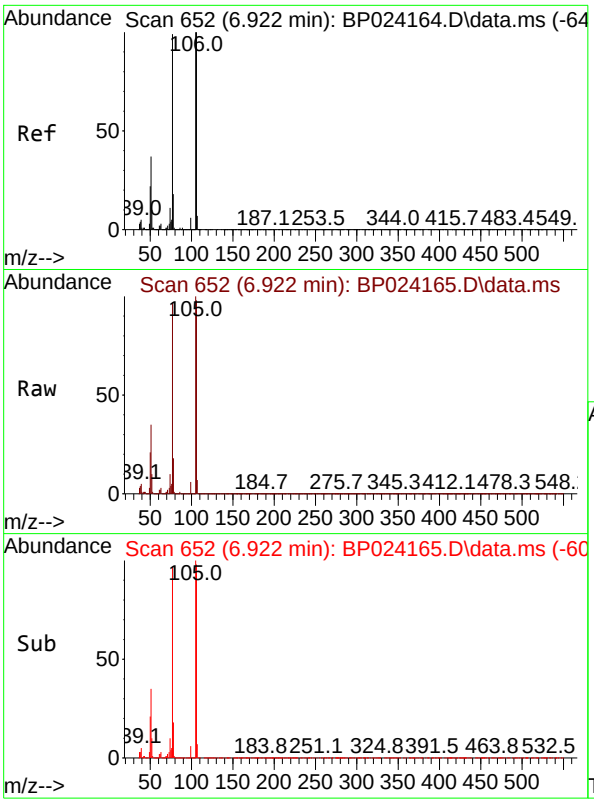


#8
2-Chlorophenol
Concen: 51.262 ng
RT: 7.346 min Scan# 724
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:128 Resp: 1260095

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.0	52.0
64	40.4	21.6	61.6



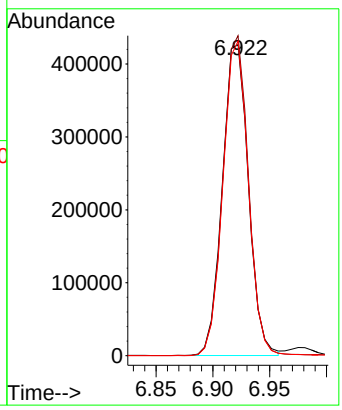


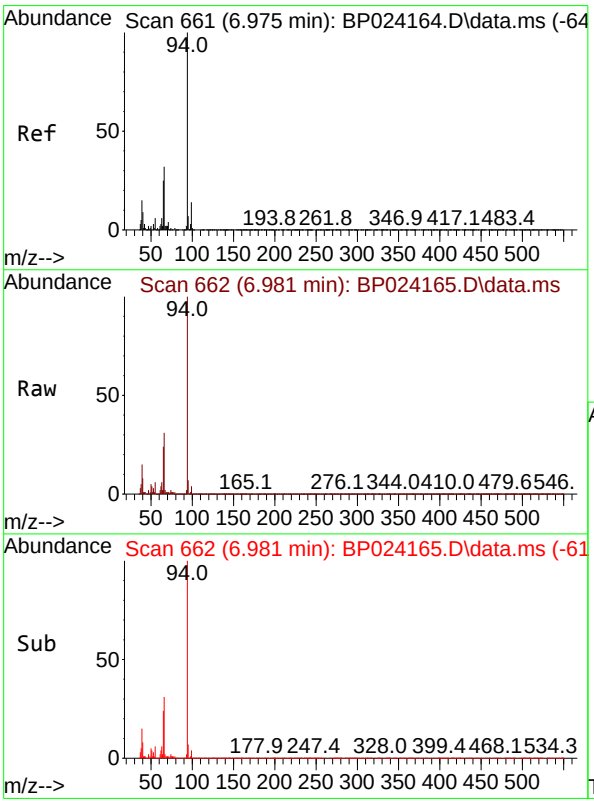
#9
Benzaldehyde
Concen: 49.899 ng
RT: 6.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 680024

Ion	Ratio	Lower	Upper
77	100		
105	102.9	81.4	121.4
106	101.1	81.1	121.1

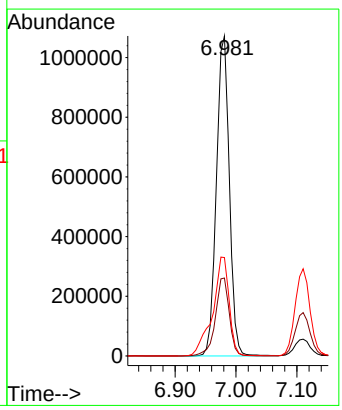


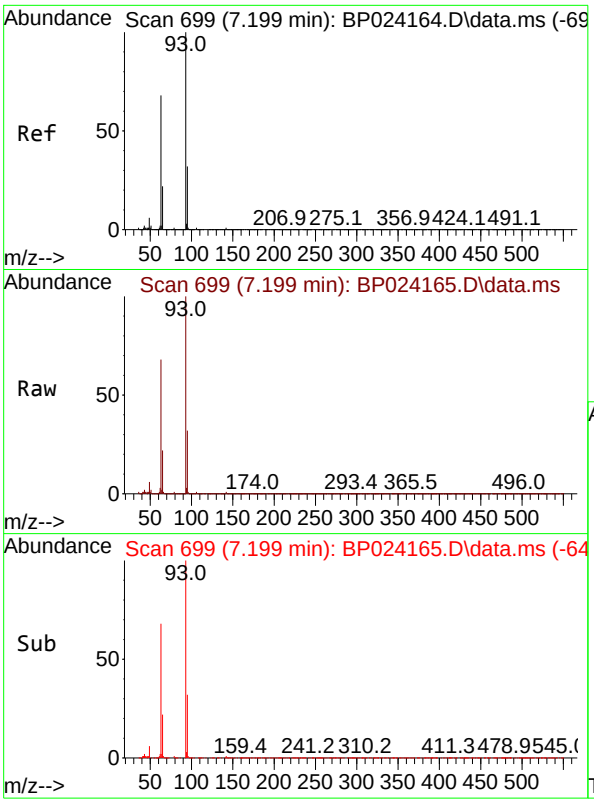


#10
Phenol
Concen: 52.648 ng
RT: 6.981 min Scan# 662
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion: 94 Resp: 1580281

Ion	Ratio	Lower	Upper
94	100		
65	24.4	4.9	44.9
66	30.8	11.9	51.9



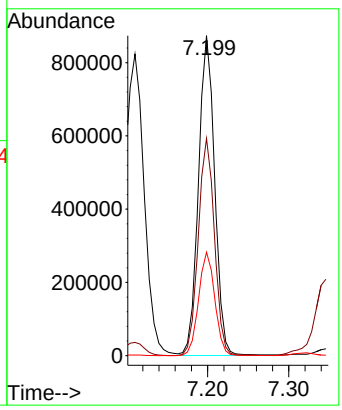


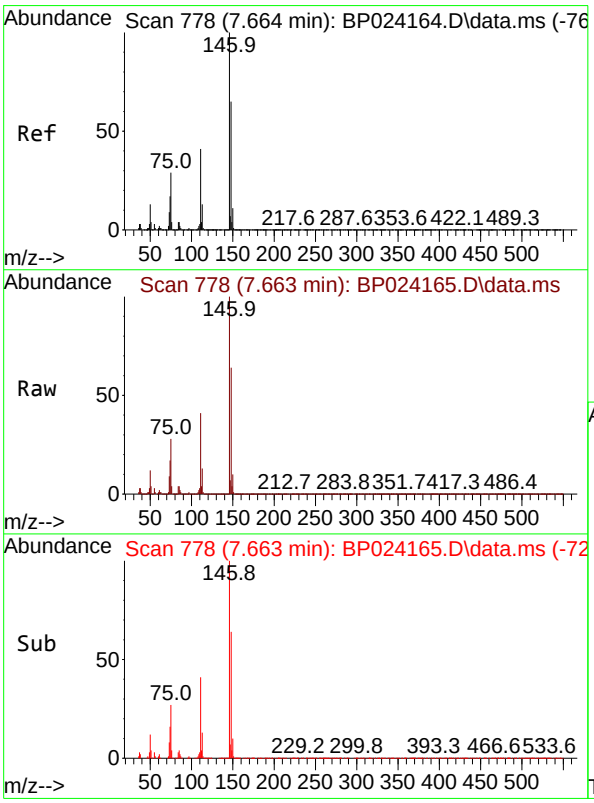
#11
bis(2-Chloroethyl)ether
Concen: 51.383 ng
RT: 7.199 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 1214752

Ion	Ratio	Lower	Upper
93	100		
63	67.9	47.4	87.4
95	32.4	12.1	52.1

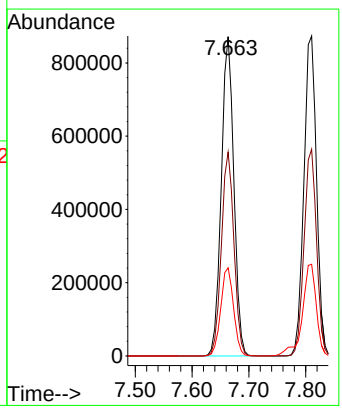


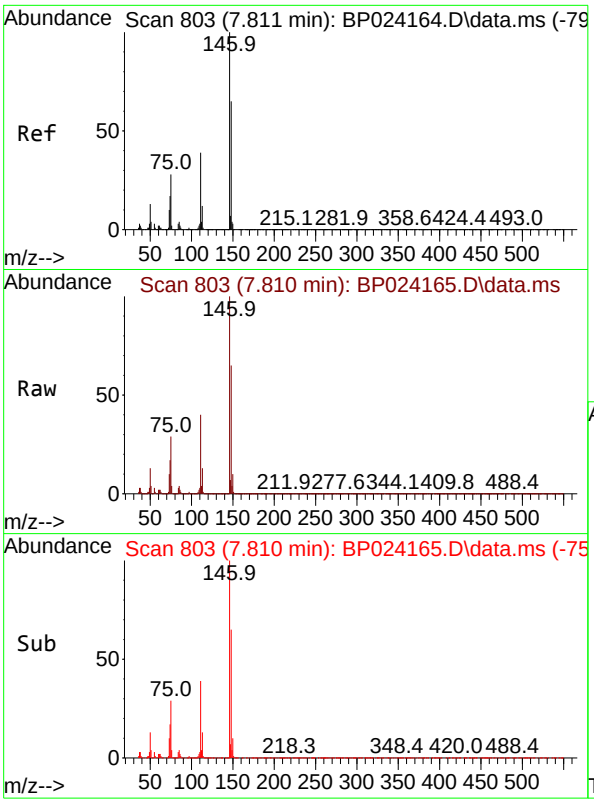


#12
1,3-Dichlorobenzene
Concen: 49.552 ng
RT: 7.663 min Scan# 778
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:146 Resp: 1338137

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.6	77.4
75	27.6	22.8	34.2



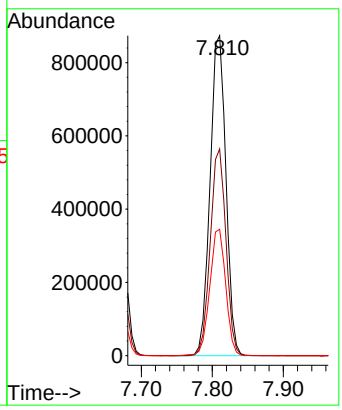


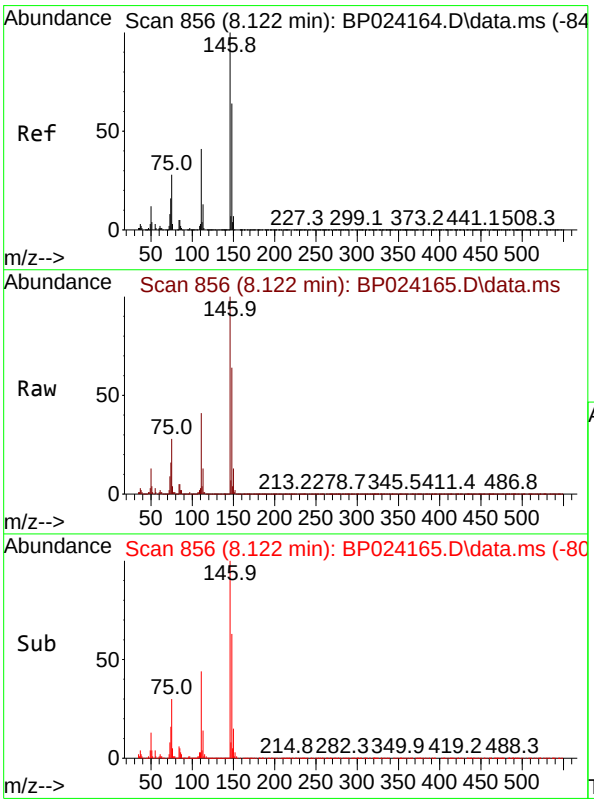
#13
1,4-Dichlorobenzene
Concen: 49.520 ng
RT: 7.810 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 1352373

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.9	77.9
111	39.5	31.4	47.2

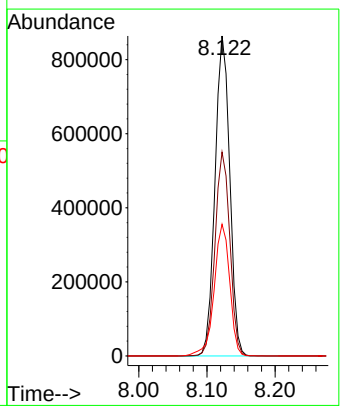


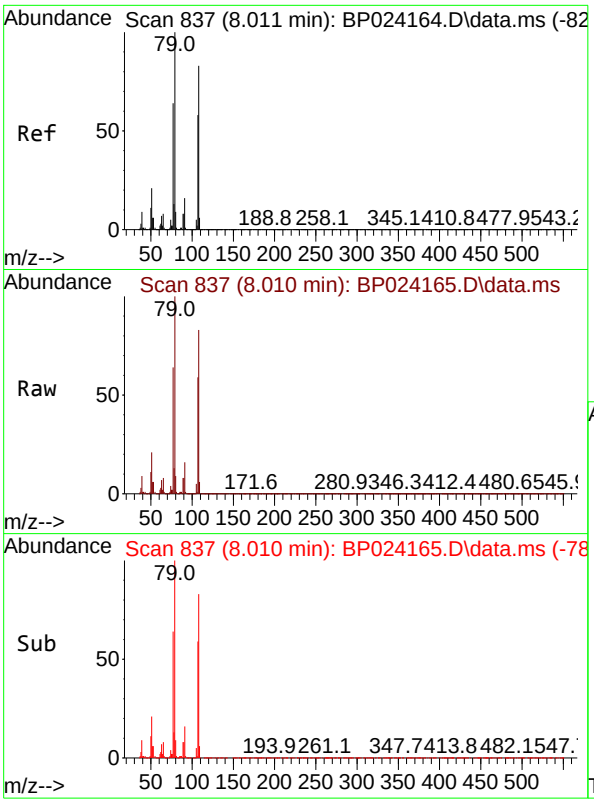


#14
1,2-Dichlorobenzene
Concen: 49.586 ng
RT: 8.122 min Scan# 856
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:146 Resp: 1299613

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.4	77.2
111	41.2	33.2	49.8



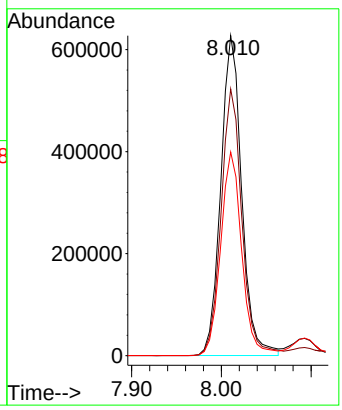


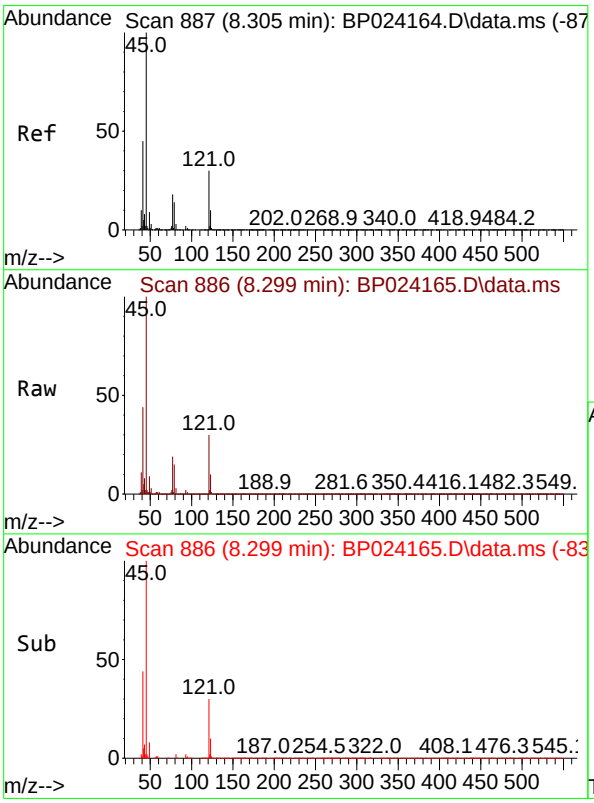
#15
Benzyl Alcohol
Concen: 55.621 ng
RT: 8.010 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 1016261

Ion	Ratio	Lower	Upper
79	100		
108	83.4	66.5	99.7
77	63.7	50.9	76.3

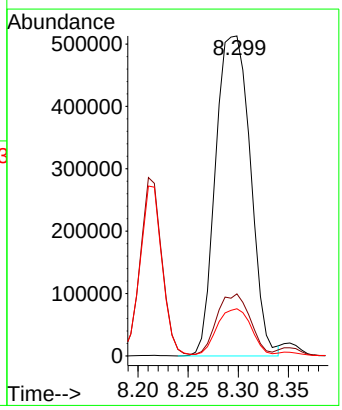


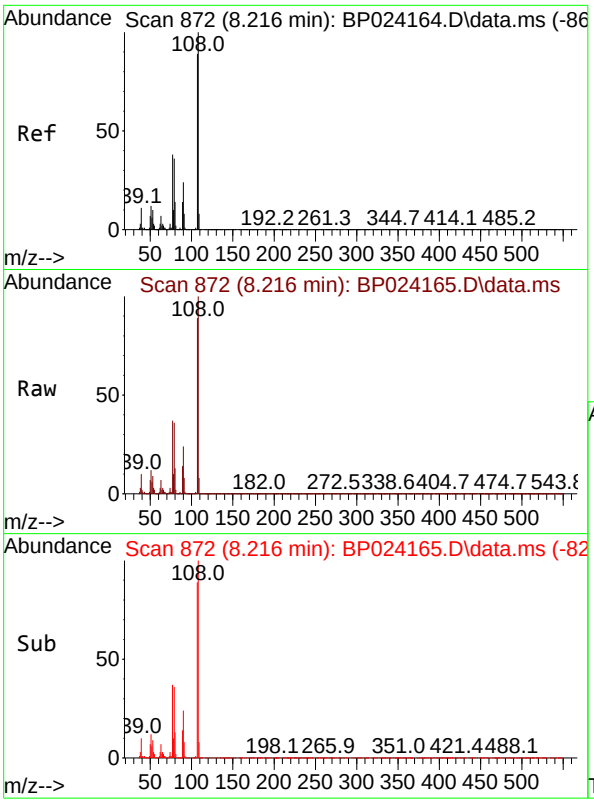


#16
2,2'-oxybis(1-Chloropropane)
Concen: 53.871 ng
RT: 8.299 min Scan# 886
Delta R.T. -0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion: 45 Resp: 1236313

Ion	Ratio	Lower	Upper
45	100		
77	19.4	0.0	39.0
79	14.8	0.0	35.6



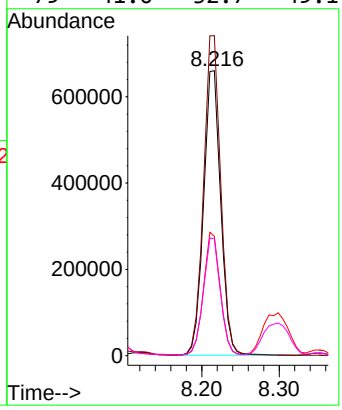


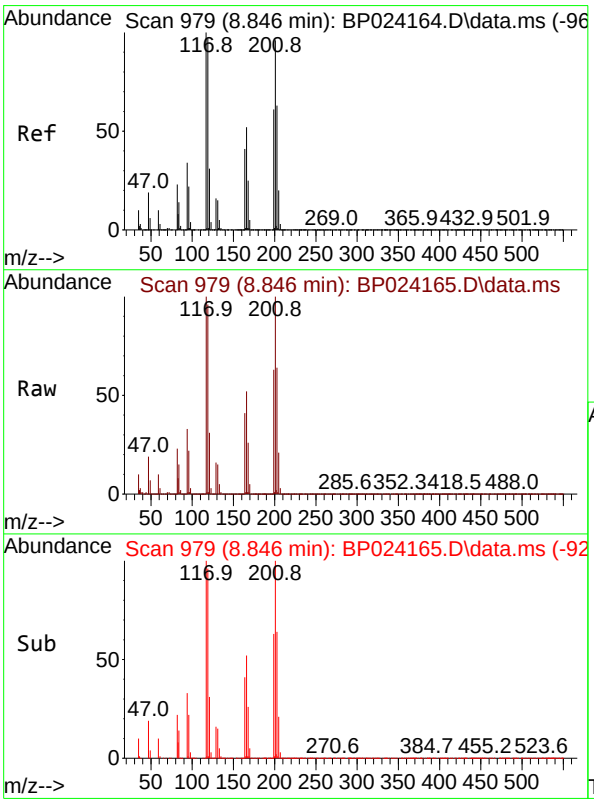
#17
2-Methylphenol
Concen: 55.257 ng
RT: 8.216 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 1010720

Ion	Ratio	Lower	Upper
107	100		
108	112.3	90.0	135.0
77	41.9	34.0	51.0
79	41.0	32.7	49.1

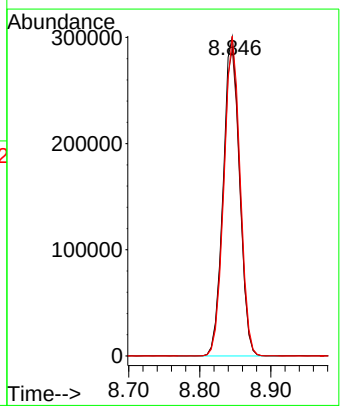


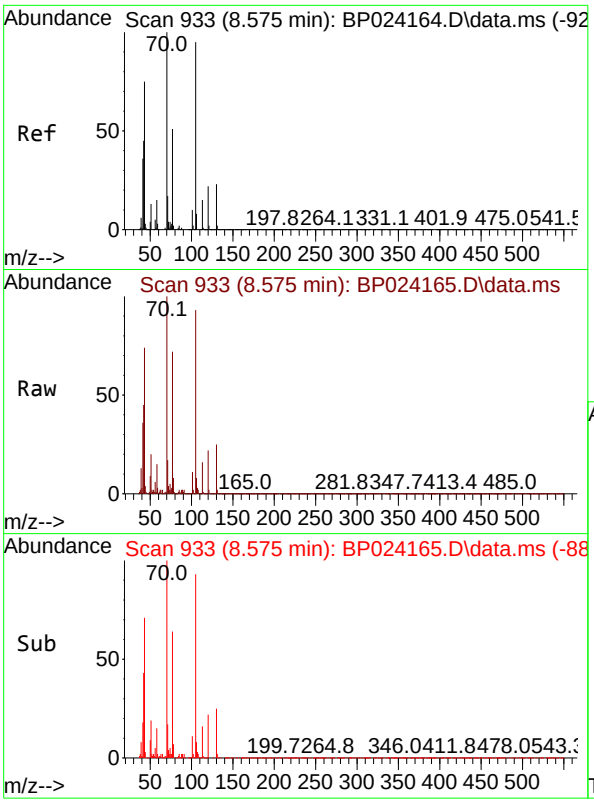


#18
Hexachloroethane
Concen: 49.052 ng
RT: 8.846 min Scan# 979
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:117 Resp: 482437

Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.4	116.0
201	100.3	76.6	114.8



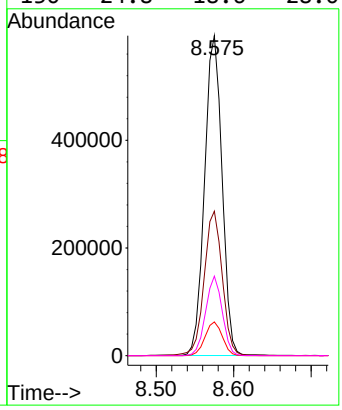


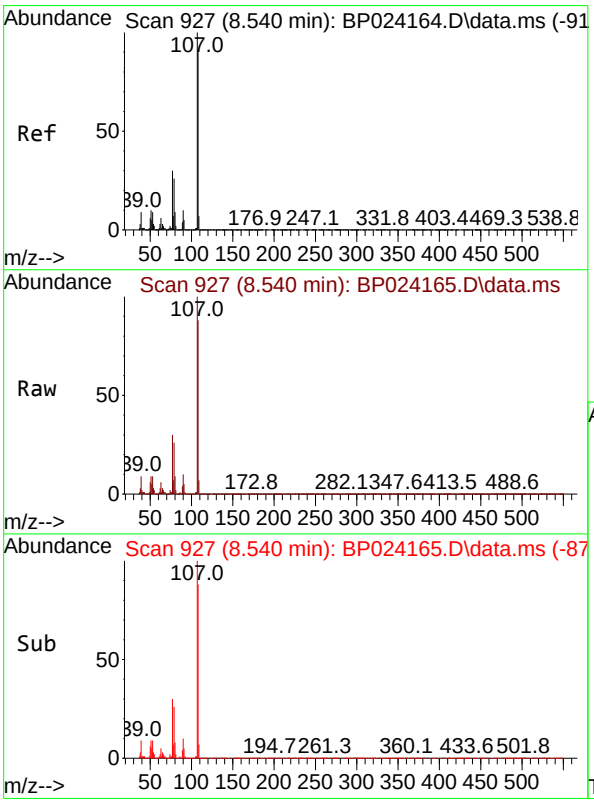
#19
n-Nitroso-di-n-propylamine
Concen: 57.939 ng
RT: 8.575 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 929876

Ion	Ratio	Lower	Upper
70	100		
42	45.2	36.0	54.0
101	10.5	8.3	12.5
130	24.8	18.6	28.0

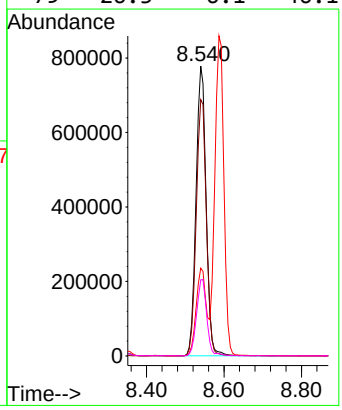


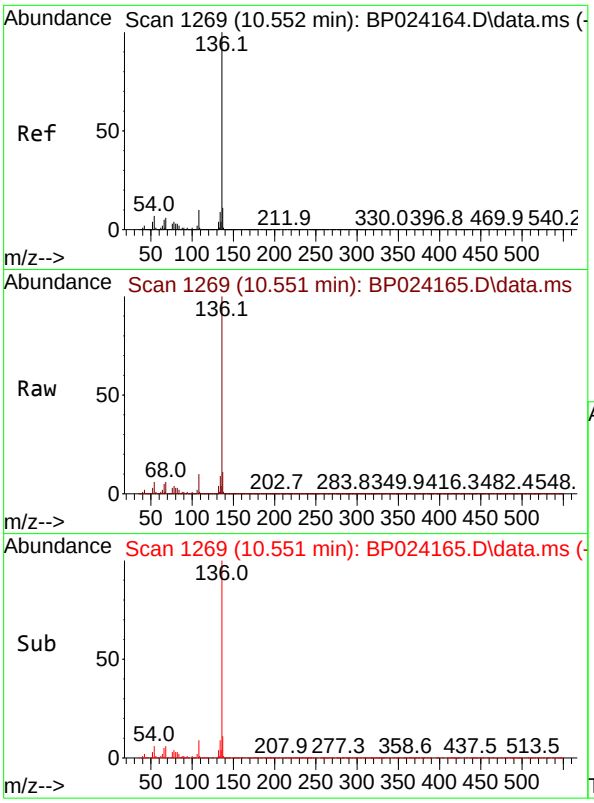


#20
3+4-Methylphenols
Concen: 56.333 ng
RT: 8.540 min Scan# 927
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:107 Resp: 1401754

Ion	Ratio	Lower	Upper
107	100		
108	88.4	69.7	109.7
77	30.3	10.3	50.3
79	26.3	6.1	46.1



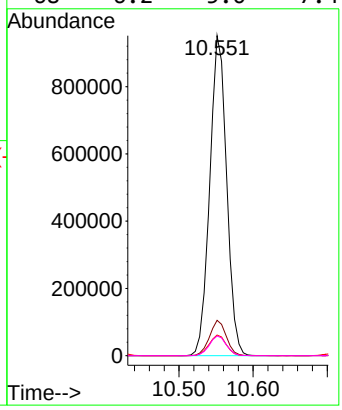


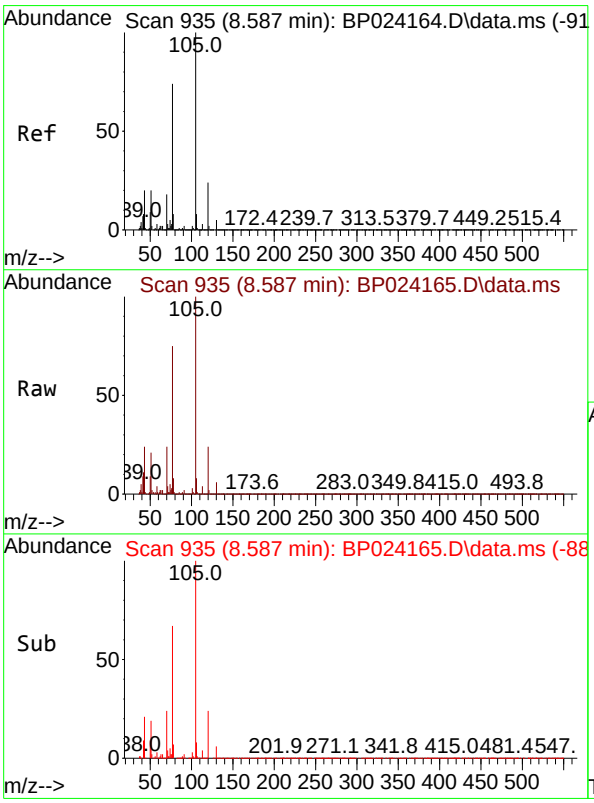
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.551 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 1504882

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	6.4	5.3	7.9
68	6.2	5.0	7.4

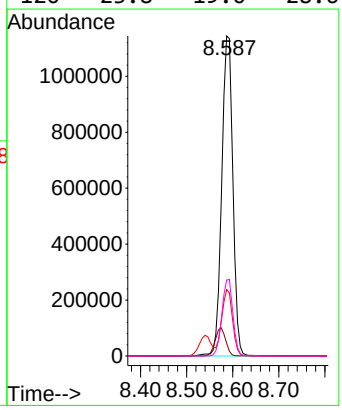


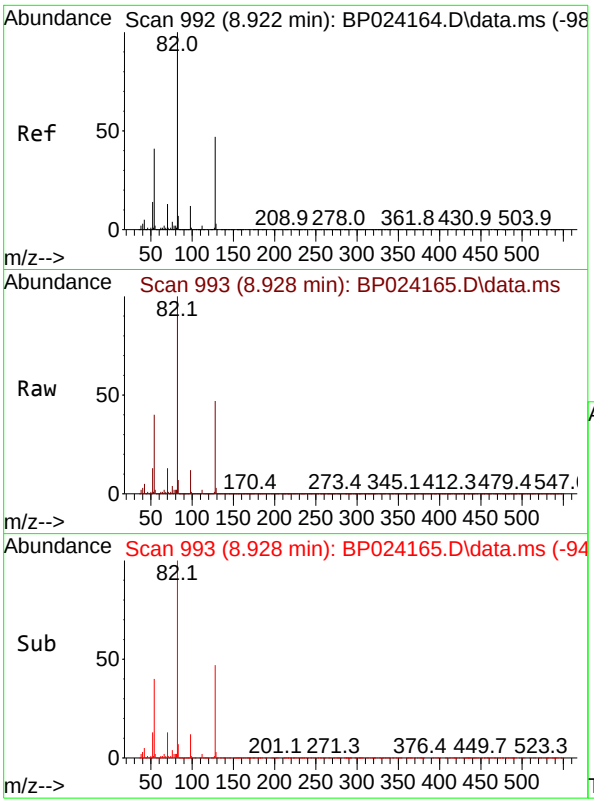


#22
Acetophenone
Concen: 49.450 ng
RT: 8.587 min Scan# 935
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:105 Resp: 1912289

Ion	Ratio	Lower	Upper
105	100		
71	3.9	2.4	3.6#
51	20.8	16.2	24.2
120	23.8	19.0	28.6



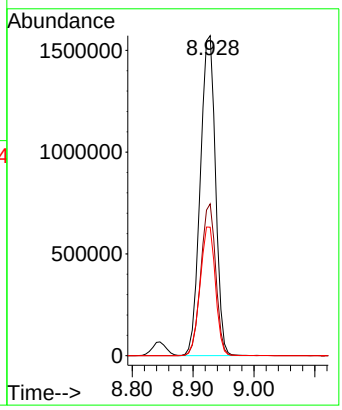


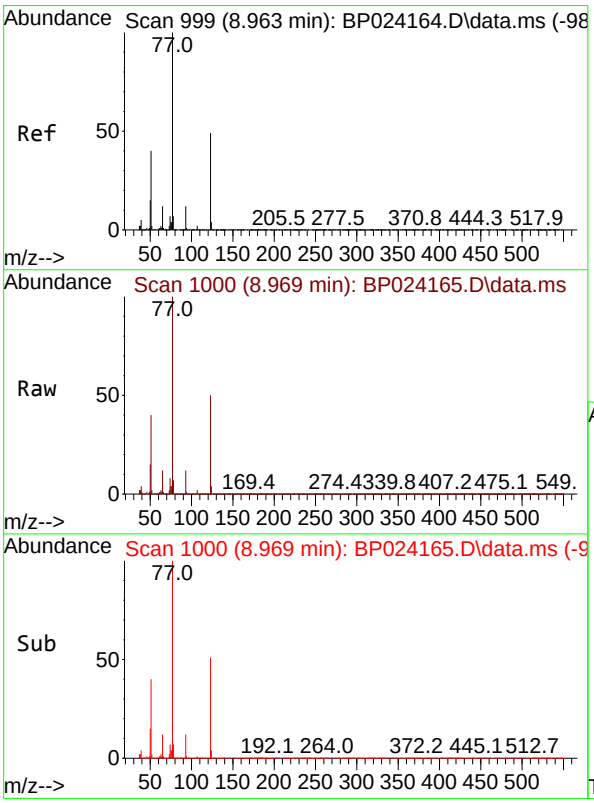
#23
Nitrobenzene-d5
Concen: 100.962 ng
RT: 8.928 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 2723412

Ion	Ratio	Lower	Upper
82	100		
128	47.4	37.4	56.0
54	40.1	32.5	48.7

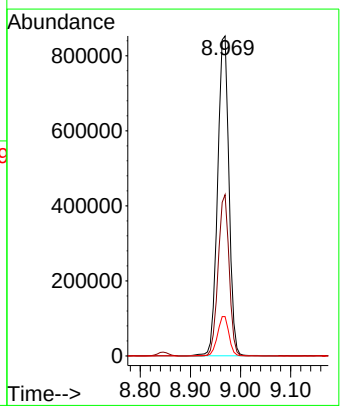


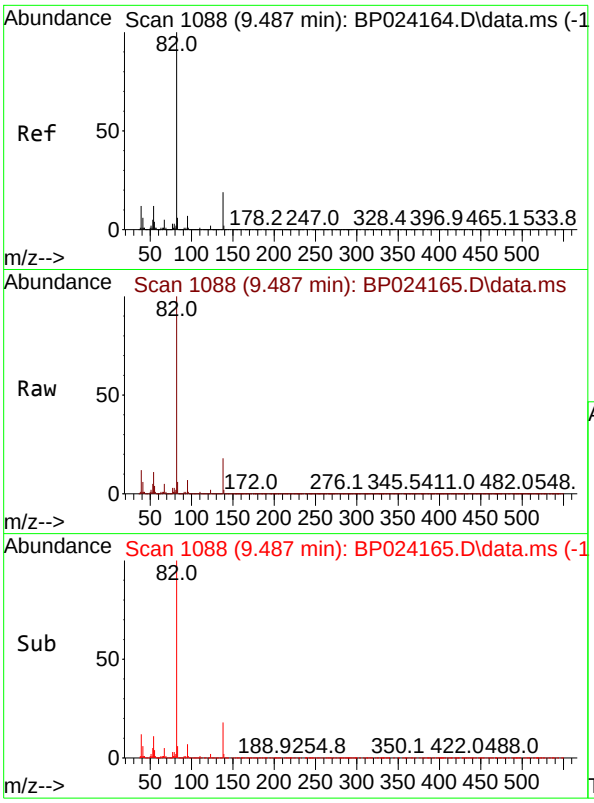


#24
Nitrobenzene
Concen: 50.299 ng
RT: 8.969 min Scan# 1000
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion: 77 Resp: 1335288

Ion	Ratio	Lower	Upper
77	100		
123	50.4	39.4	59.2
65	12.3	9.9	14.9



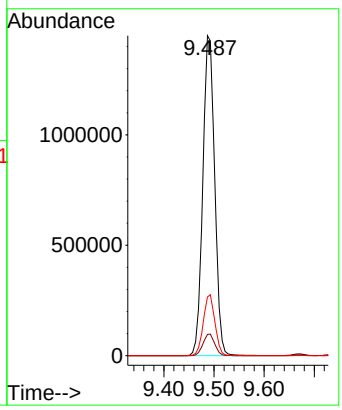


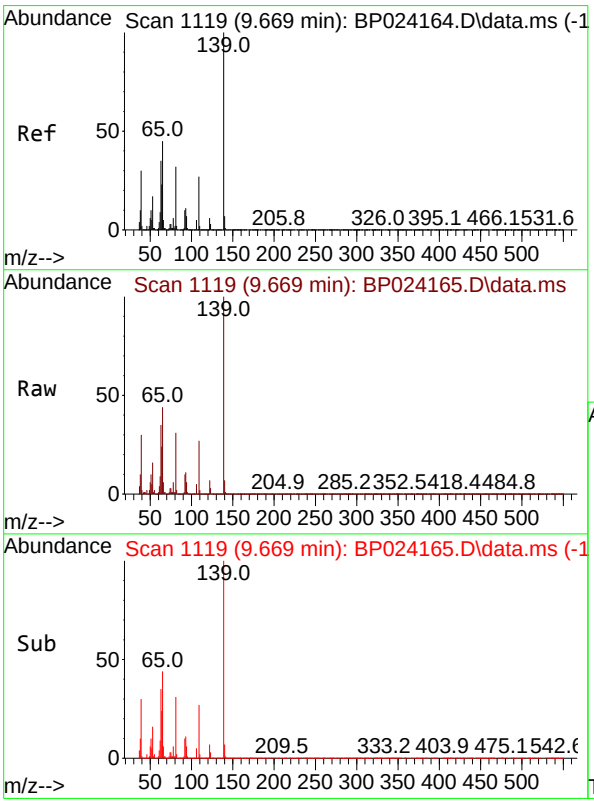
#25
Isophorone
Concen: 54.168 ng
RT: 9.487 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 2389410

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.3	7.9
138	18.3	14.8	22.2

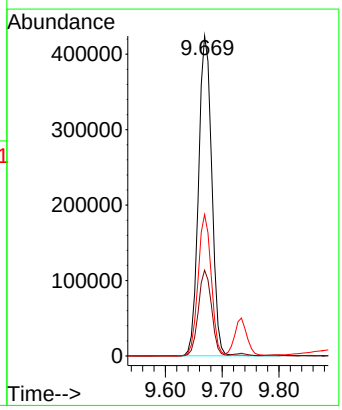


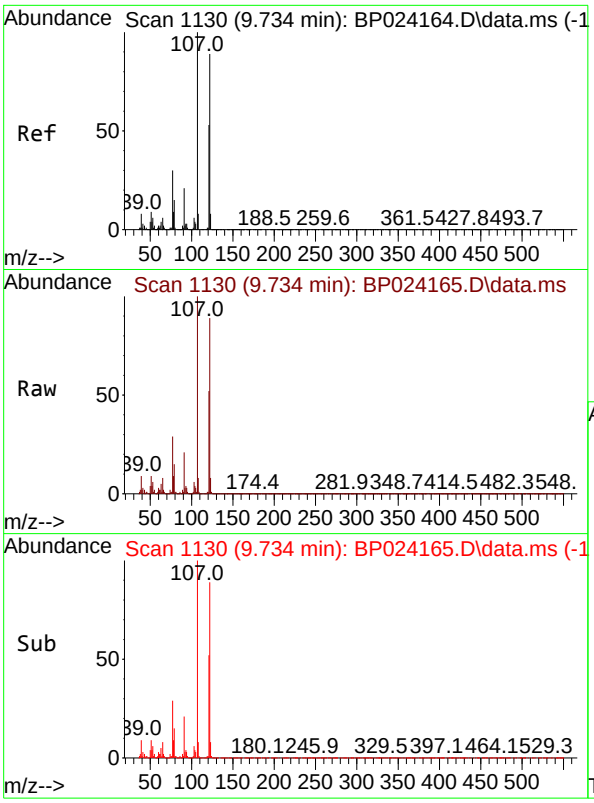


#26
2-Nitrophenol
Concen: 56.096 ng
RT: 9.669 min Scan# 1119
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:139 Resp: 686089

Ion	Ratio	Lower	Upper
139	100		
109	26.8	21.7	32.5
65	44.2	35.8	53.8



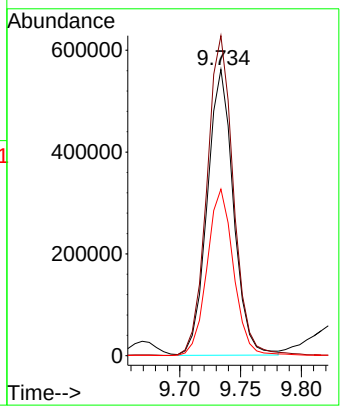


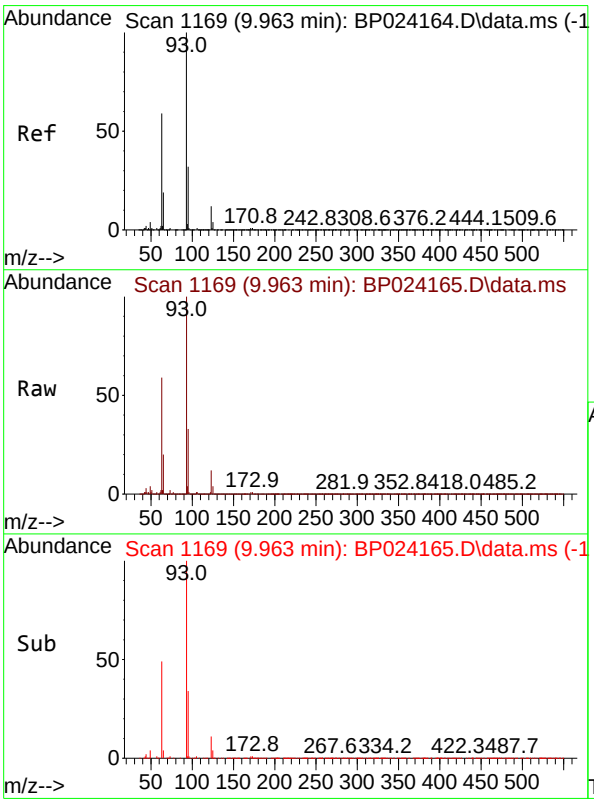
#27
2,4-Dimethylphenol
Concen: 52.362 ng
RT: 9.734 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 840657

Ion	Ratio	Lower	Upper
122	100		
107	111.8	89.3	133.9
121	58.2	47.5	71.3

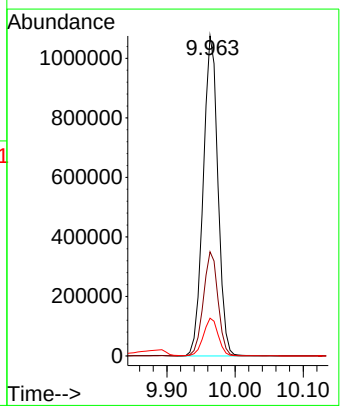


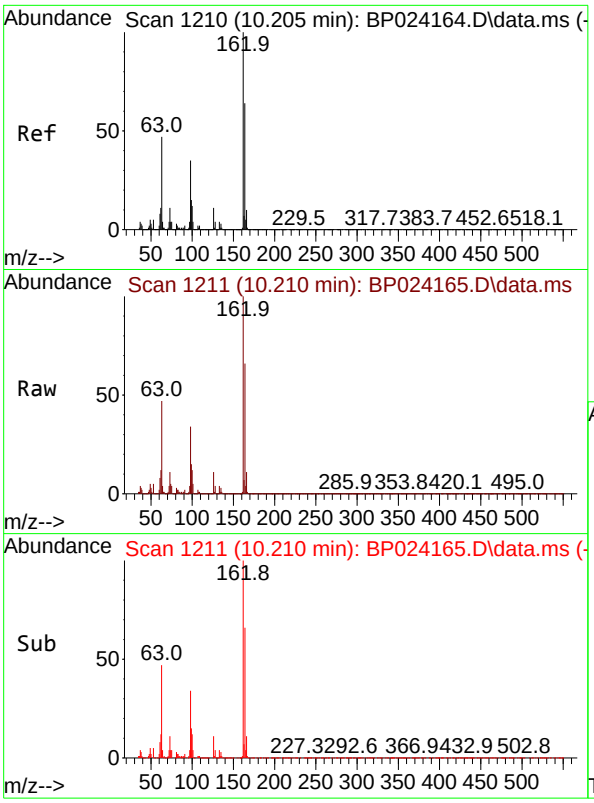


#28
bis(2-Chloroethoxy)methane
Concen: 50.476 ng
RT: 9.963 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion: 93 Resp: 1612977

Ion	Ratio	Lower	Upper
93	100		
95	32.6	25.9	38.9
123	11.8	9.5	14.3



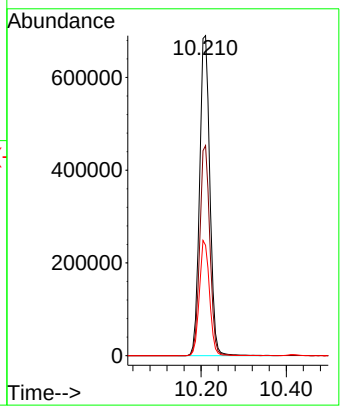


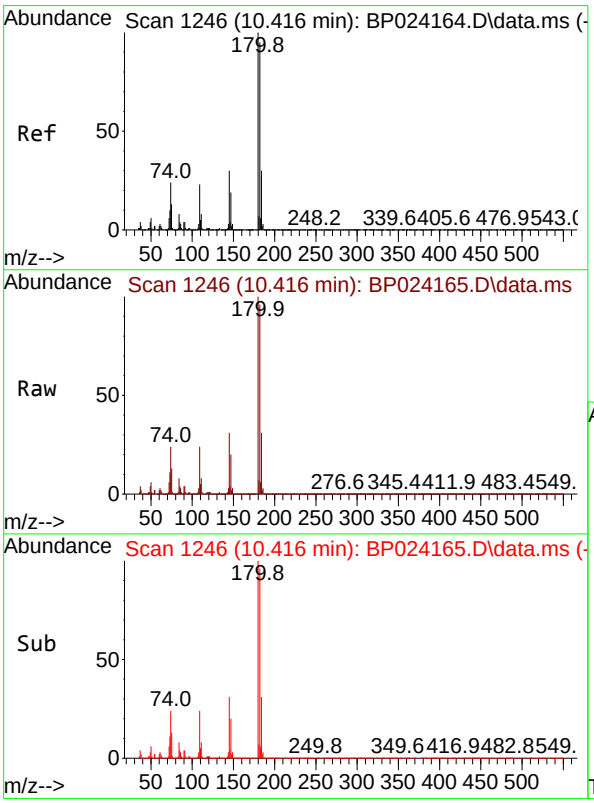
#29
2,4-Dichlorophenol
Concen: 52.591 ng
RT: 10.210 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 1152247

Ion	Ratio	Lower	Upper
162	100		
164	65.6	44.2	84.2
98	34.5	15.1	55.1

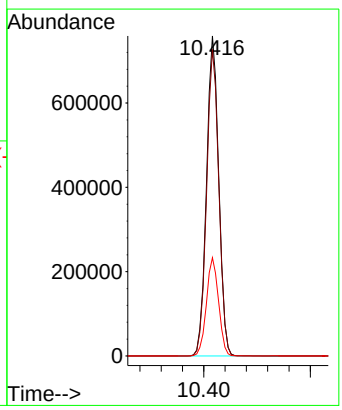


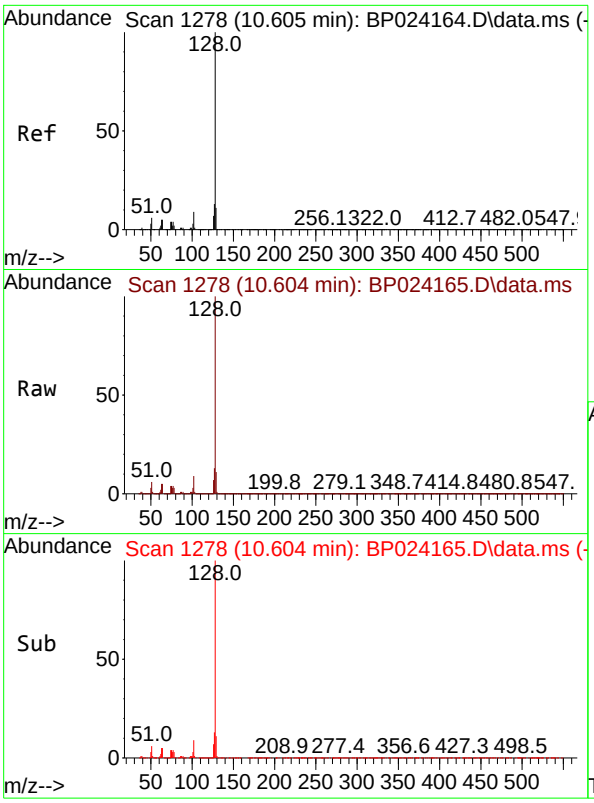


#30
1,2,4-Trichlorobenzene
Concen: 48.306 ng
RT: 10.416 min Scan# 1246
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:180 Resp: 1212617

Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.1	114.1
145	30.7	24.2	36.2



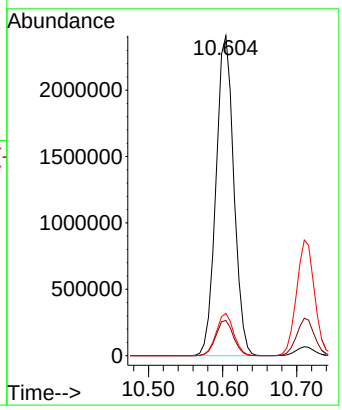


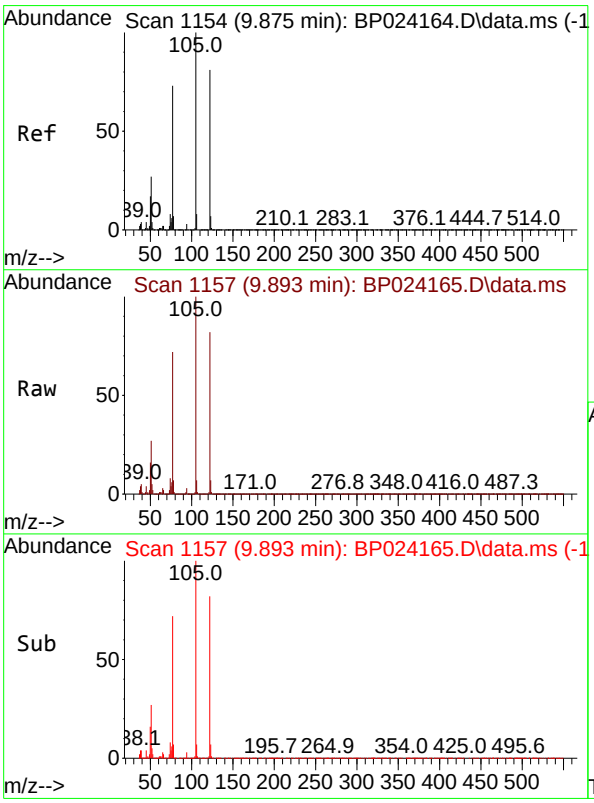
#31
Naphthalene
Concen: 49.689 ng
RT: 10.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 4020722

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	13.2	10.4	15.6

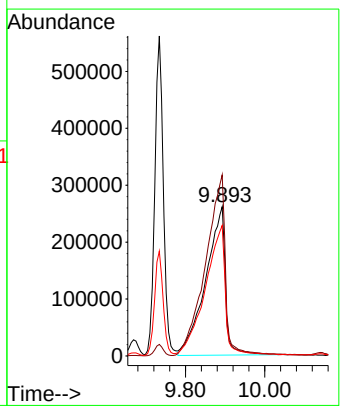


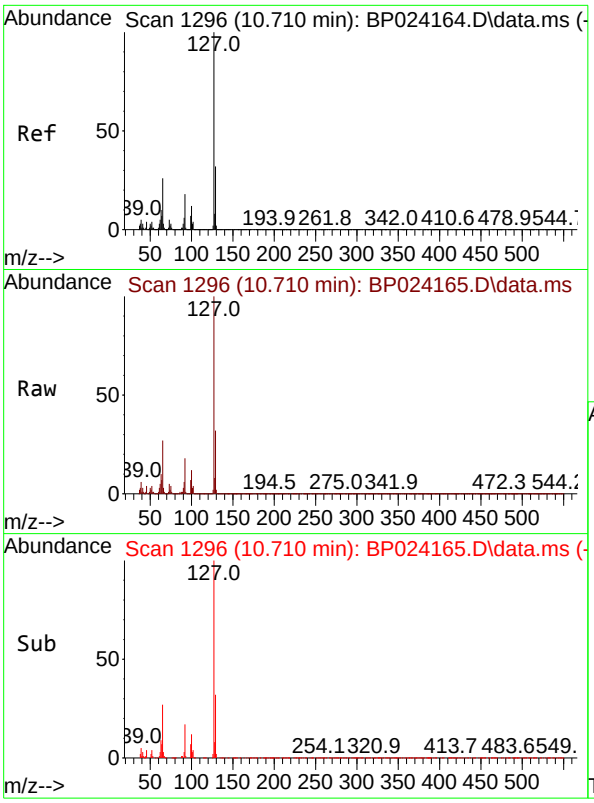


#32
Benzoic acid
Concen: 61.152 ng
RT: 9.893 min Scan# 1157
Delta R.T. 0.017 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:122 Resp: 900054

Ion	Ratio	Lower	Upper
122	100		
105	121.3	100.3	140.3
77	87.4	69.1	109.1



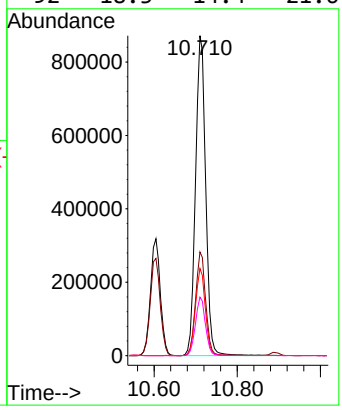


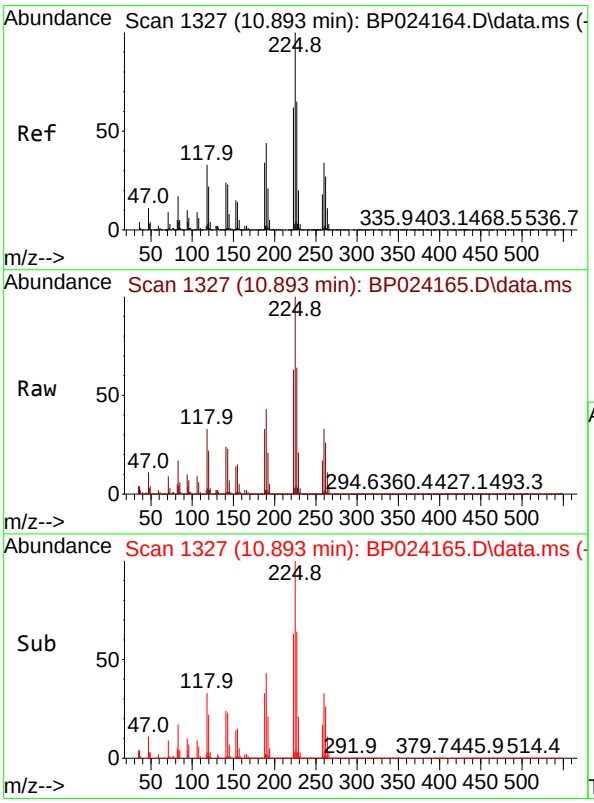
#33
4-Chloroaniline
Concen: 51.976 ng
RT: 10.710 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 1481634

Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.8	38.6
65	27.3	21.2	31.8
92	18.3	14.4	21.6

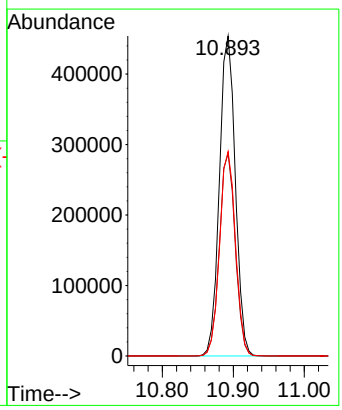


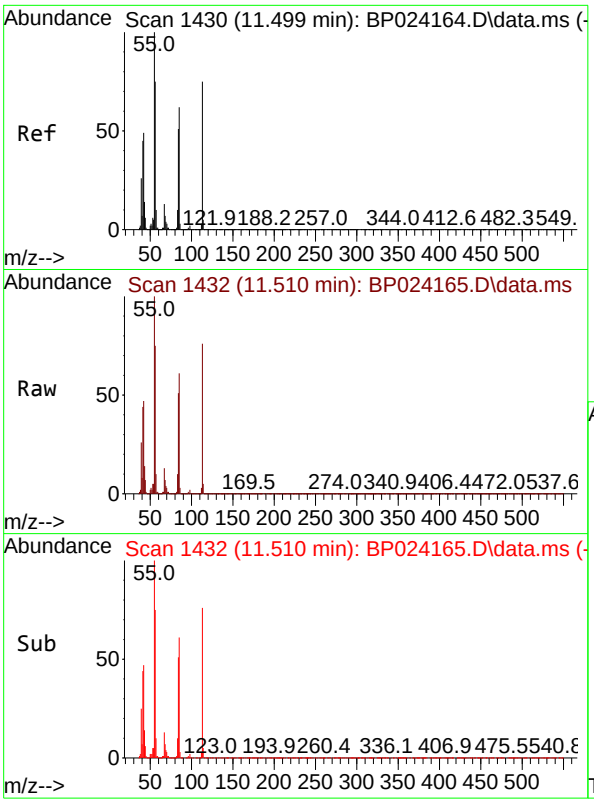


#34
Hexachlorobutadiene
Concen: 48.392 ng
RT: 10.893 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:225 Resp: 703606

Ion	Ratio	Lower	Upper
225	100		
223	63.2	49.9	74.9
227	63.9	52.2	78.2



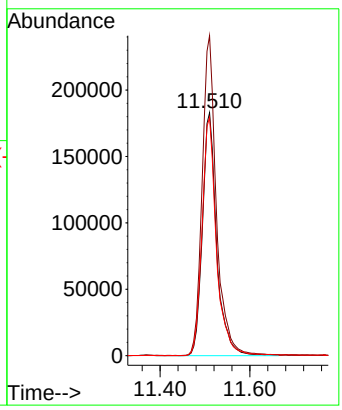


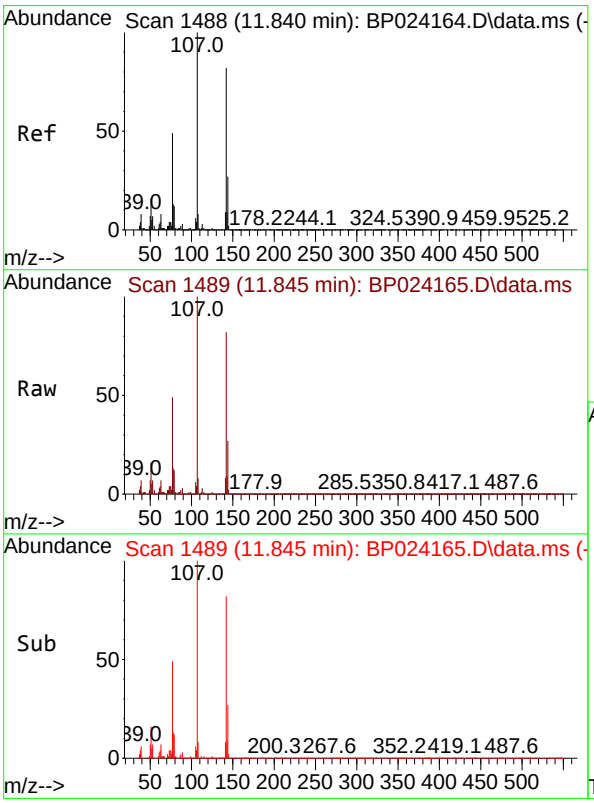
#35
Caprolactam
Concen: 60.646 ng
RT: 11.510 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 402356

Ion	Ratio	Lower	Upper
113	100		
55	131.8	113.6	153.6
56	98.2	80.0	120.0

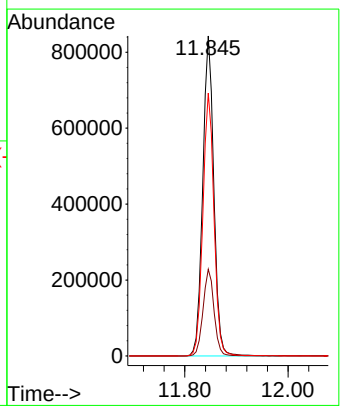


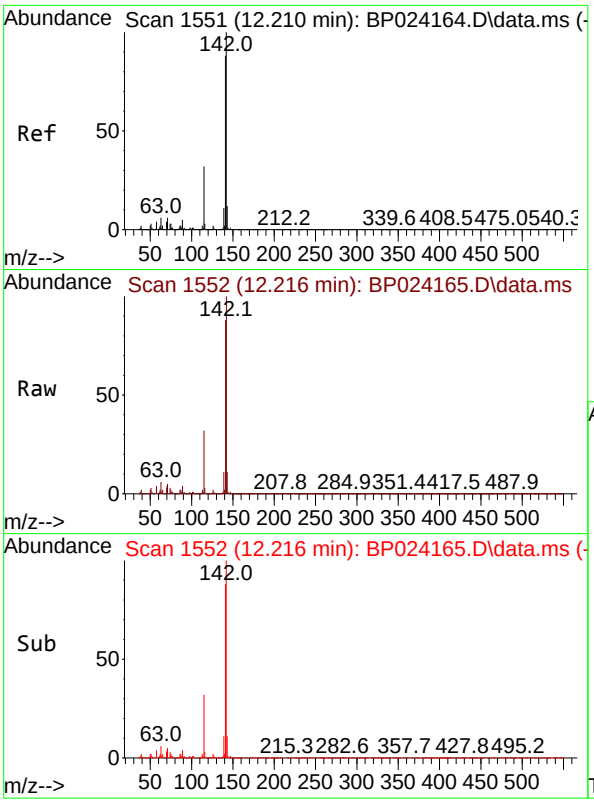


#36
4-Chloro-3-methylphenol
Concen: 55.551 ng
RT: 11.845 min Scan# 1489
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:107 Resp: 1251209

Ion	Ratio	Lower	Upper
107	100		
144	27.1	21.6	32.4
142	82.1	65.4	98.0



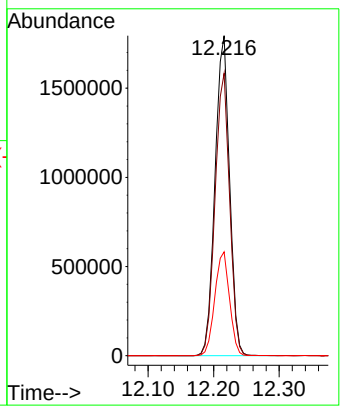


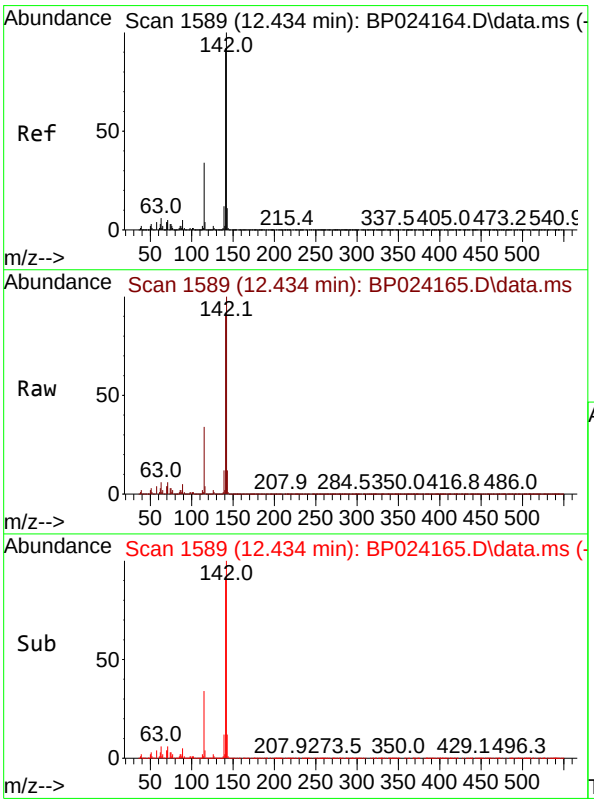
#37
2-Methylnaphthalene
Concen: 51.131 ng
RT: 12.216 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 2749915

Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.3	105.5
115	32.4	26.0	39.0

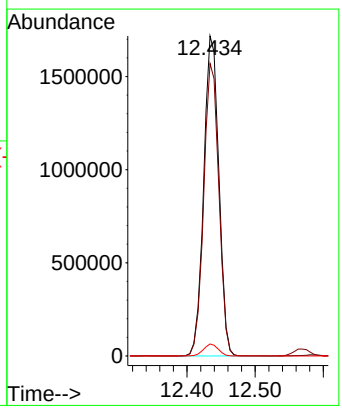


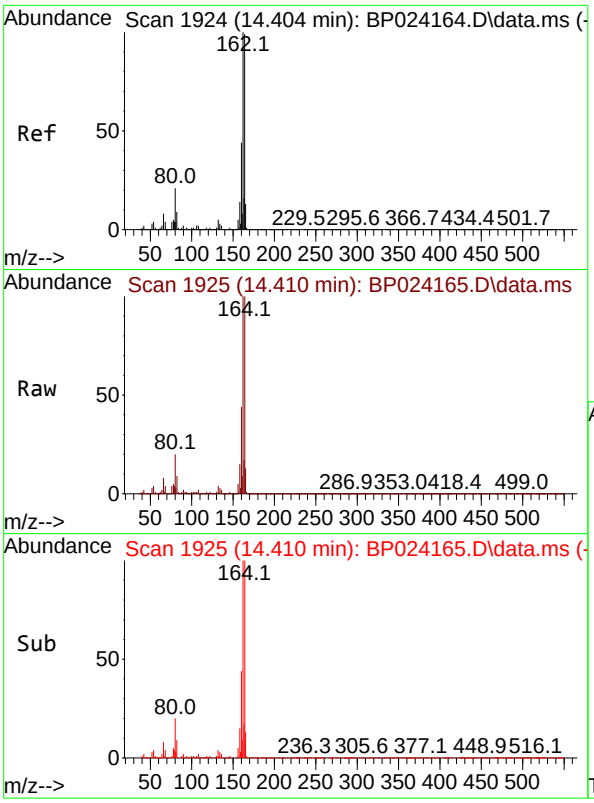


#38
1-Methylnaphthalene
Concen: 50.600 ng
RT: 12.434 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:142 Resp: 2647375

Ion	Ratio	Lower	Upper
142	100		
141	91.4	73.9	110.9
116	3.7	2.8	4.2



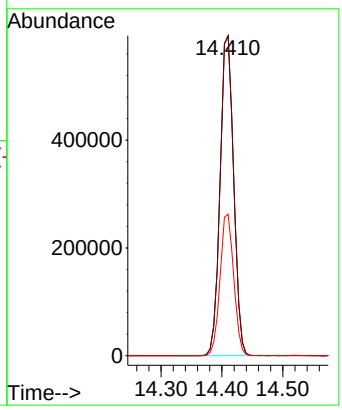


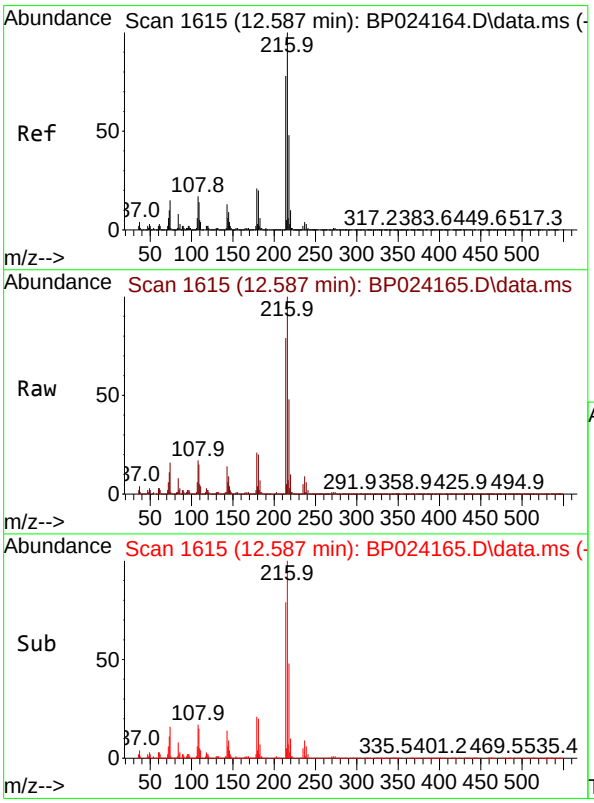
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 918204

Ion	Ratio	Lower	Upper
164	100		
162	99.9	80.6	121.0
160	44.2	35.4	53.2

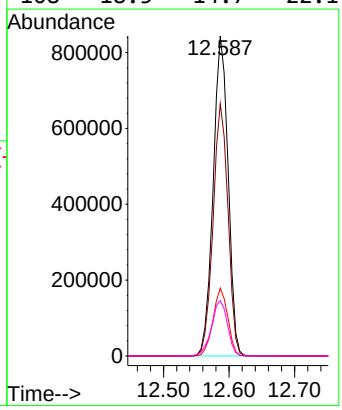


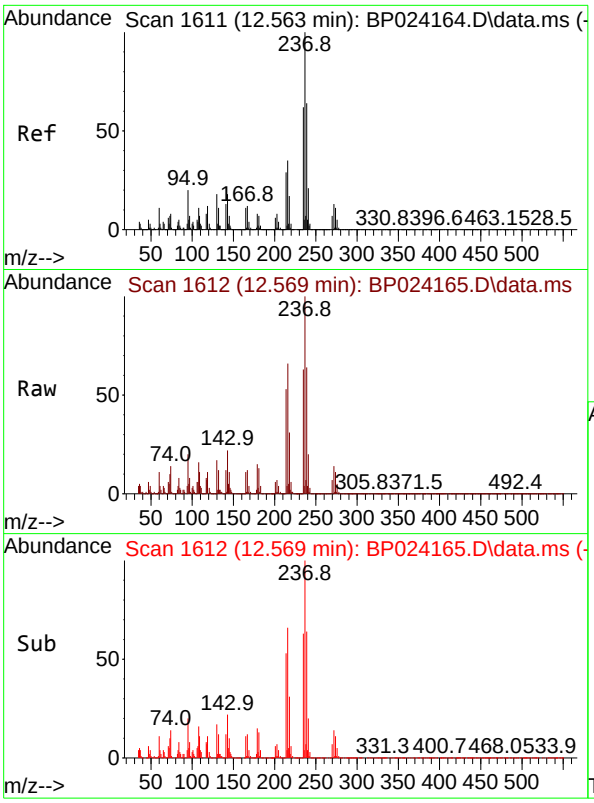


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.188 ng
RT: 12.587 min Scan# 1615
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:216 Resp: 1331287

Ion	Ratio	Lower	Upper
216	100		
214	78.5	62.8	94.2
179	20.9	16.8	25.2
108	18.5	14.7	22.1



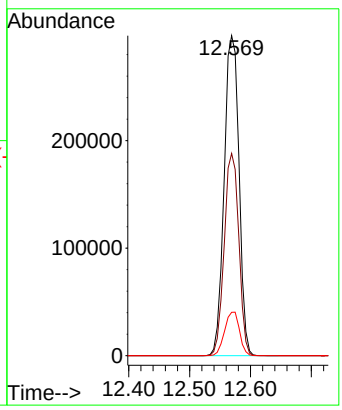


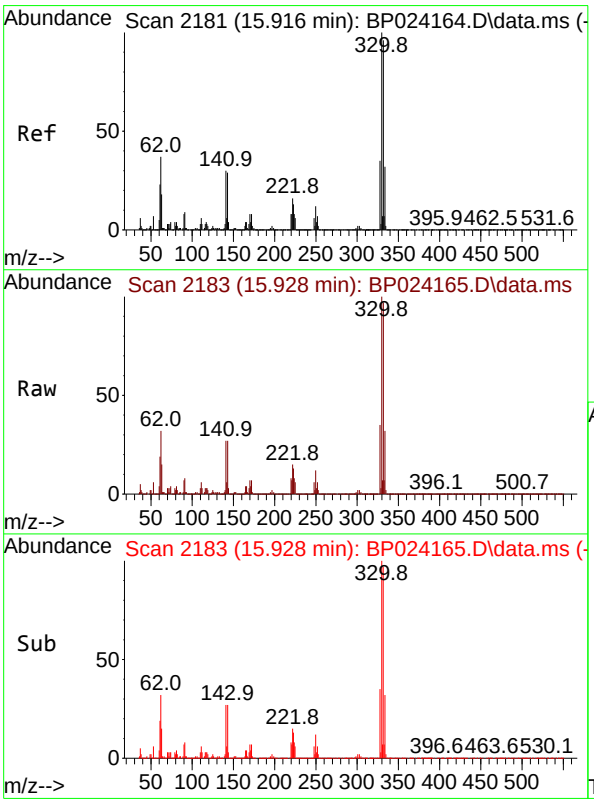
#41
Hexachlorocyclopentadiene
Concen: 47.999 ng
RT: 12.569 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 503901

Ion	Ratio	Lower	Upper
237	100		
235	63.2	41.8	81.8
272	13.5	0.0	33.5

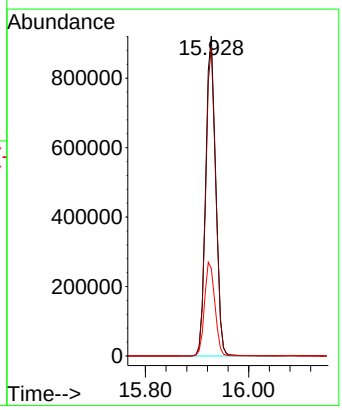


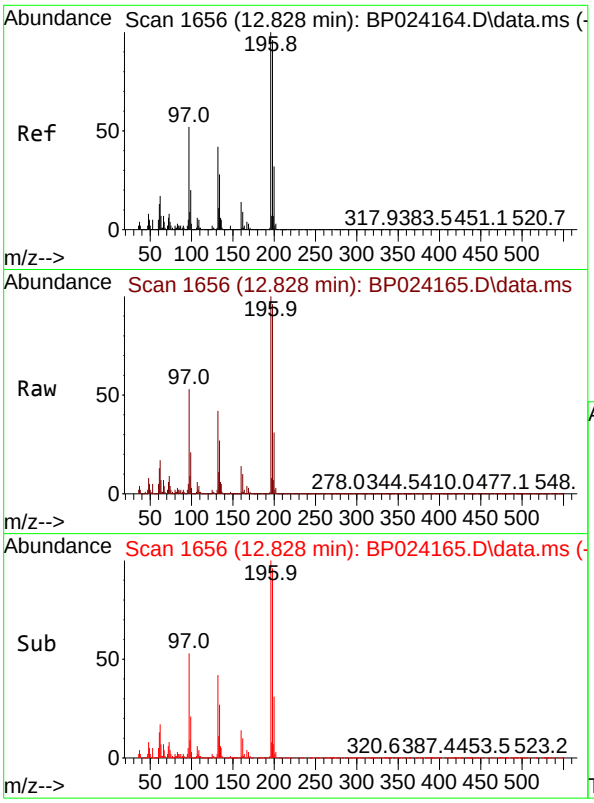


#42
2,4,6-Tribromophenol
Concen: 110.267 ng
RT: 15.928 min Scan# 2183
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:330 Resp: 1240173

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.6	116.4
141	30.3	25.0	37.6



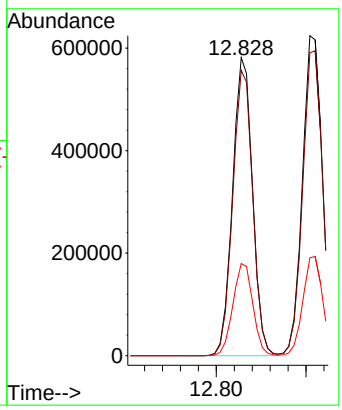


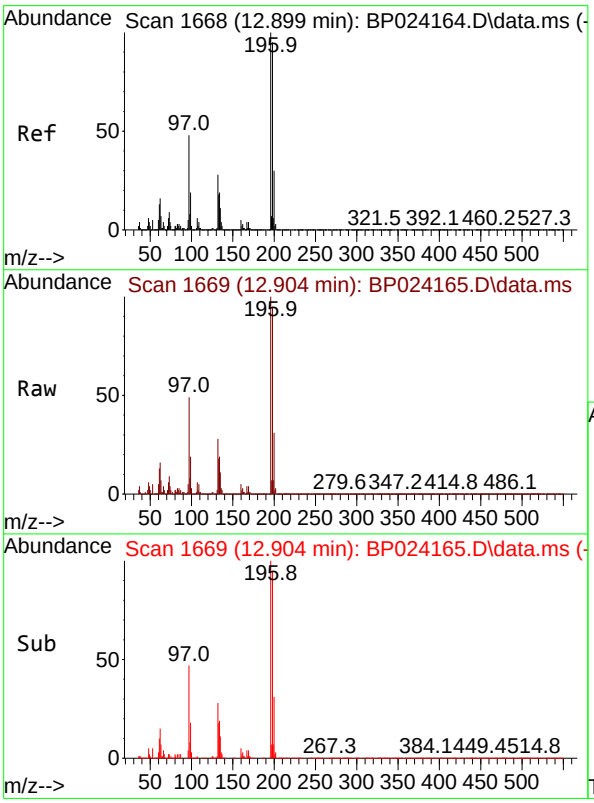
#43
2,4,6-Trichlorophenol
Concen: 52.112 ng
RT: 12.828 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 896606

Ion	Ratio	Lower	Upper
196	100		
198	95.7	76.6	115.0
200	30.9	25.4	38.0

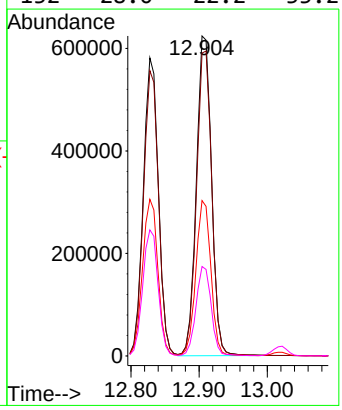


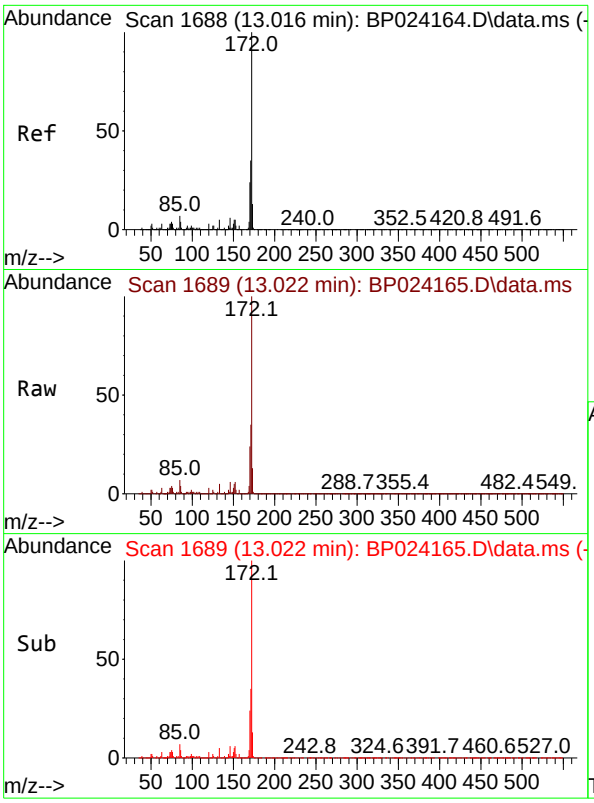


#44
2,4,5-Trichlorophenol
Concen: 51.517 ng
RT: 12.904 min Scan# 1669
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:196 Resp: 969372

Ion	Ratio	Lower	Upper
196	100		
198	94.7	76.5	114.7
97	48.5	38.7	58.1
132	28.0	22.2	33.2



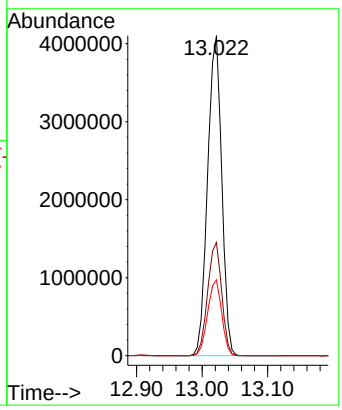


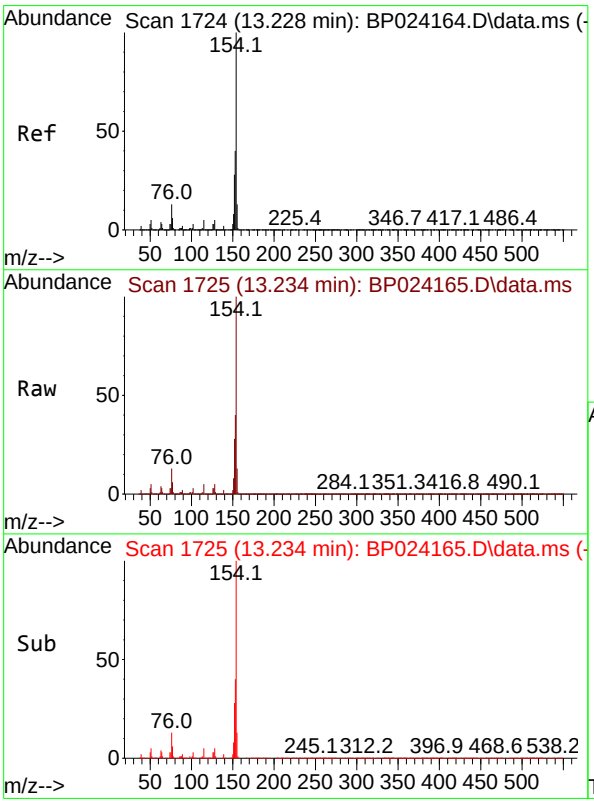
#45
2-Fluorobiphenyl
Concen: 93.318 ng
RT: 13.022 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 6129086

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.3	42.5
170	23.7	19.0	28.4

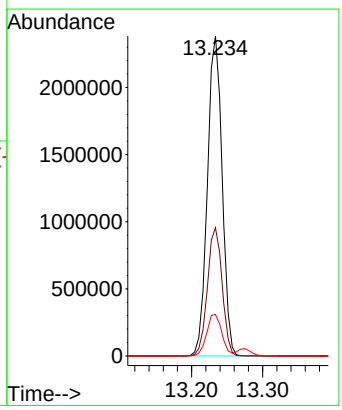


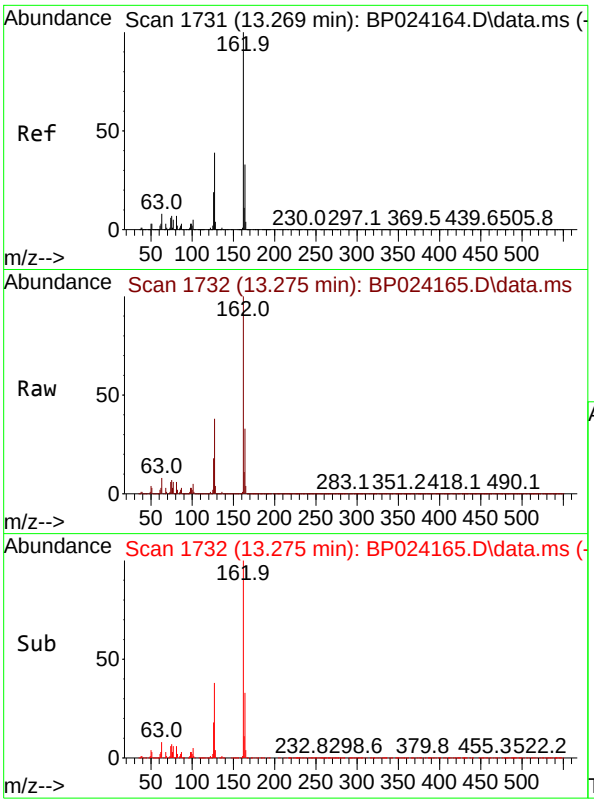


#46
1,1'-Biphenyl
Concen: 48.043 ng
RT: 13.234 min Scan# 1725
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:154 Resp: 3427883

Ion	Ratio	Lower	Upper
154	100		
153	40.0	20.3	60.3
76	12.9	0.0	32.9



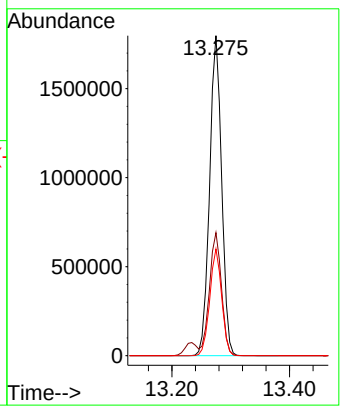


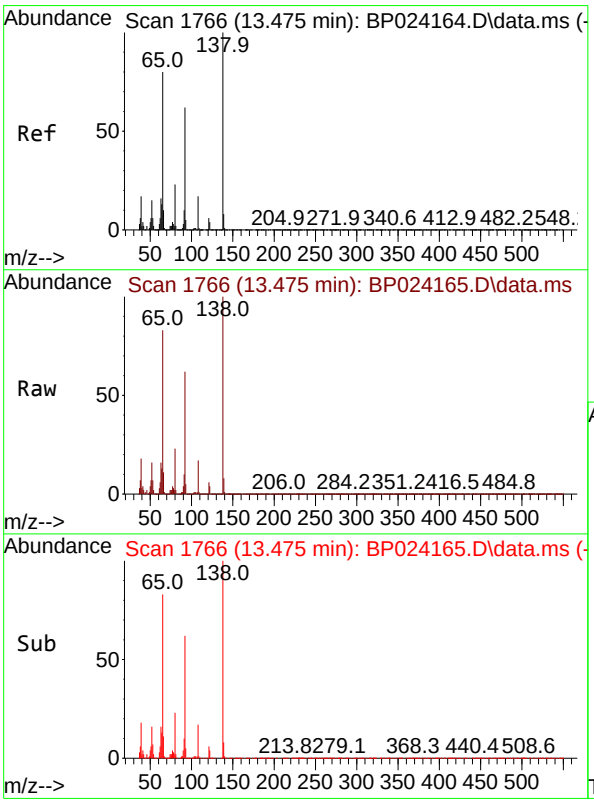
#47
2-Chloronaphthalene
Concen: 47.446 ng
RT: 13.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 2559098

Ion	Ratio	Lower	Upper
162	100		
127	38.4	31.5	47.3
164	33.3	26.6	39.8

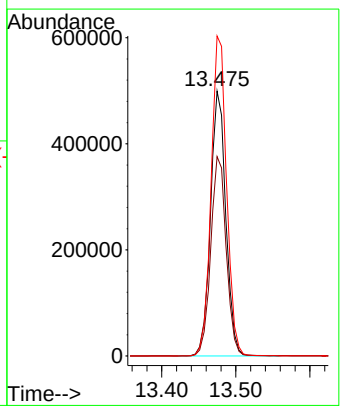


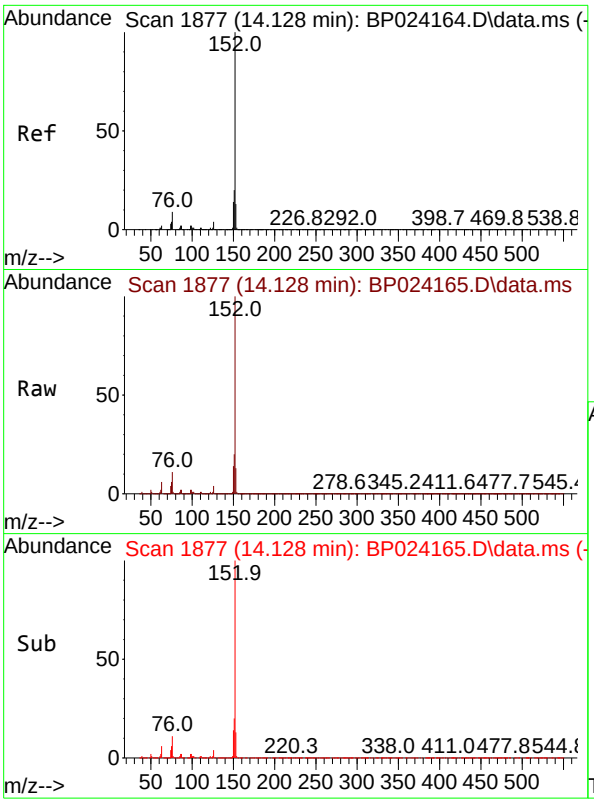


#48
2-Nitroaniline
Concen: 56.066 ng
RT: 13.475 min Scan# 1766
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion: 65 Resp: 714343

Ion	Ratio	Lower	Upper
65	100		
92	75.3	62.1	93.1
138	120.9	99.5	149.3



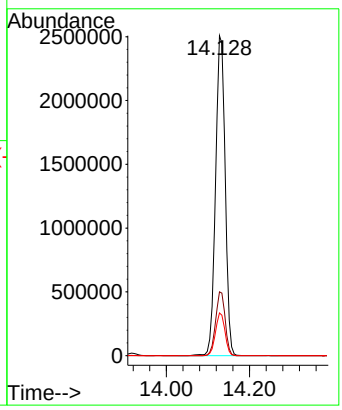


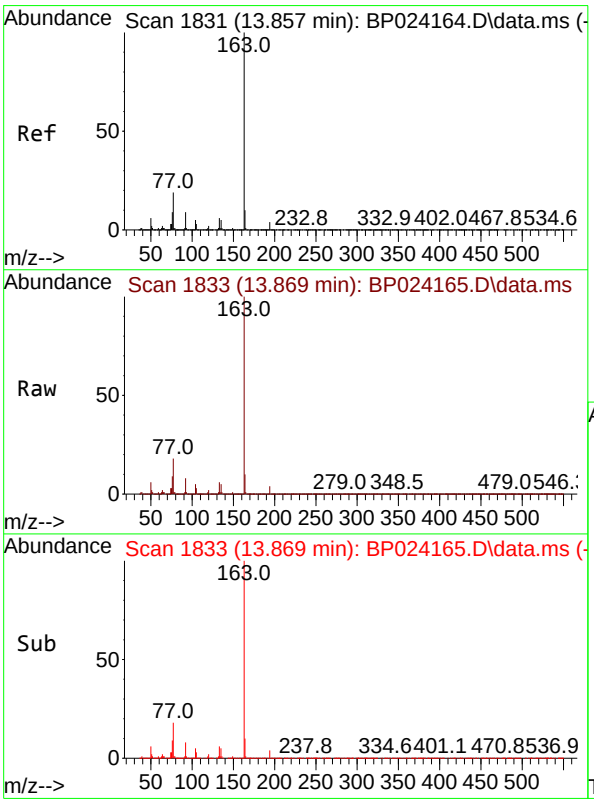
#49
Acenaphthylene
Concen: 50.533 ng
RT: 14.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 4015684

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.0	24.0
153	13.3	10.6	15.8

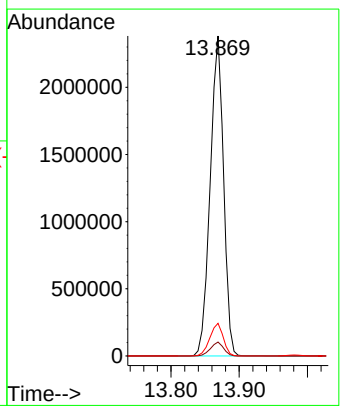


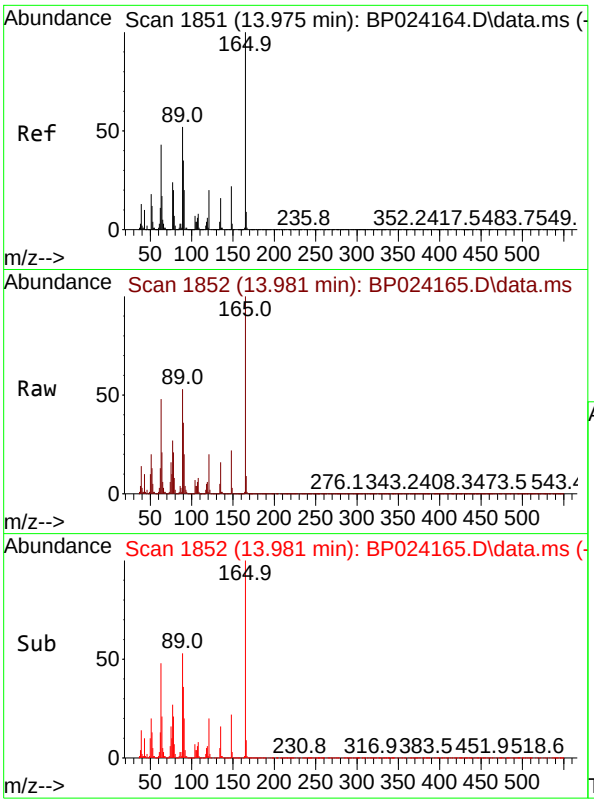


#50
Dimethylphthalate
Concen: 50.224 ng
RT: 13.869 min Scan# 1833
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:163 Resp: 3252950

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.0
164	10.2	8.2	12.4



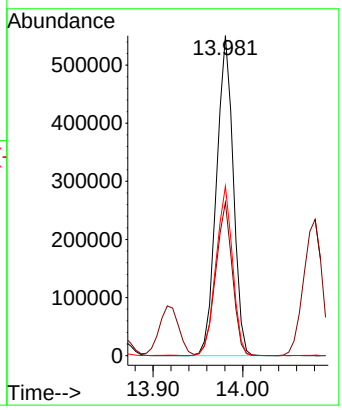


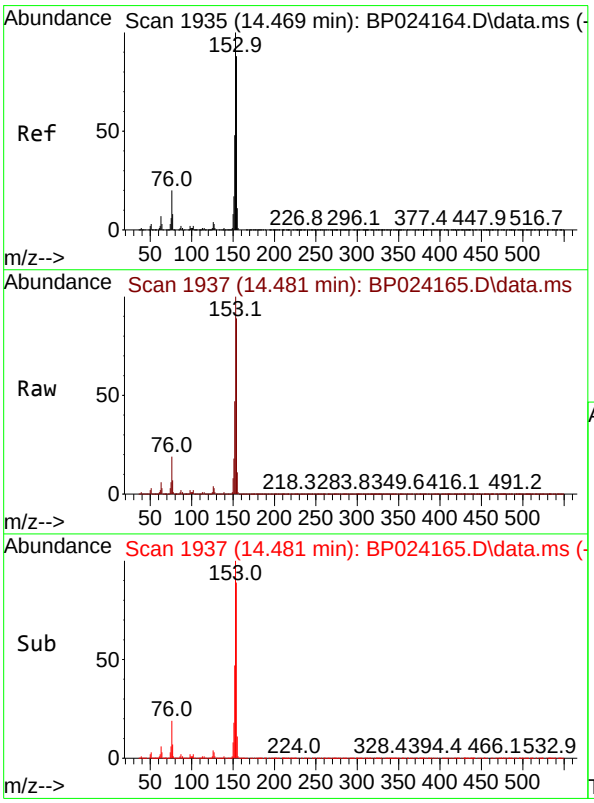
#51
2,6-Dinitrotoluene
Concen: 54.206 ng
RT: 13.981 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 715171

Ion	Ratio	Lower	Upper
165	100		
63	47.9	37.7	56.5
89	53.0	41.9	62.9

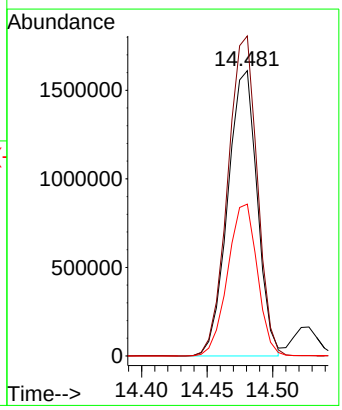


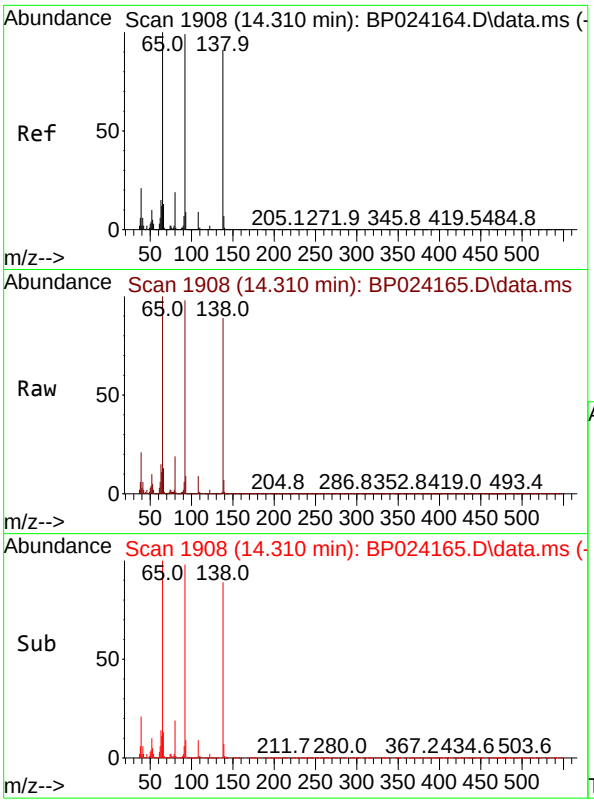


#52
Acenaphthene
Concen: 49.182 ng
RT: 14.481 min Scan# 1937
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:154 Resp: 2516832

Ion	Ratio	Lower	Upper
154	100		
153	112.2	90.5	135.7
152	53.2	43.1	64.7



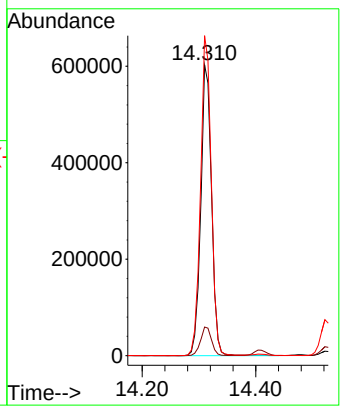


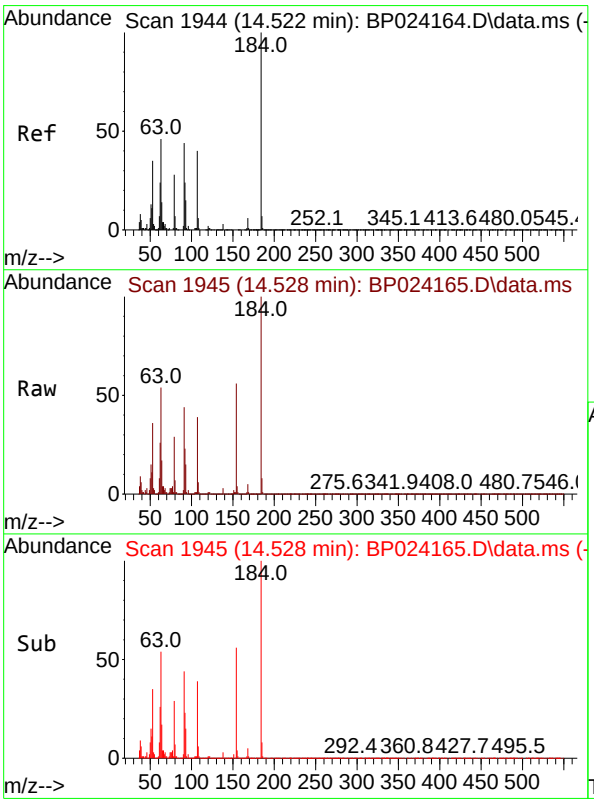
#53
3-Nitroaniline
Concen: 56.128 ng
RT: 14.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 790217

Ion	Ratio	Lower	Upper
138	100		
108	9.9	8.2	12.2
92	110.1	86.7	130.1

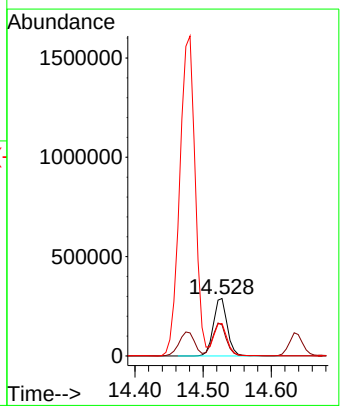


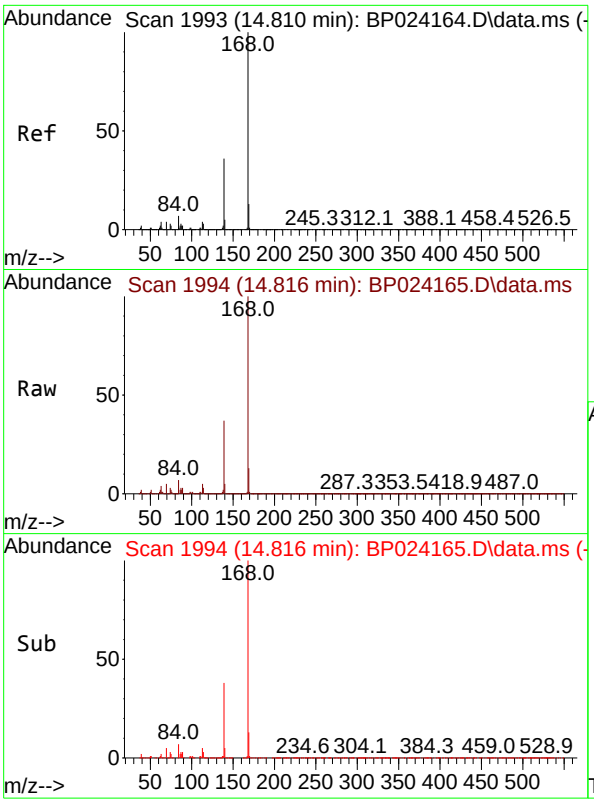


#54
2,4-Dinitrophenol
Concen: 58.439 ng
RT: 14.528 min Scan# 1945
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:184 Resp: 410616

Ion	Ratio	Lower	Upper
184	100		
63	53.9	42.1	63.1
154	56.4	44.6	67.0



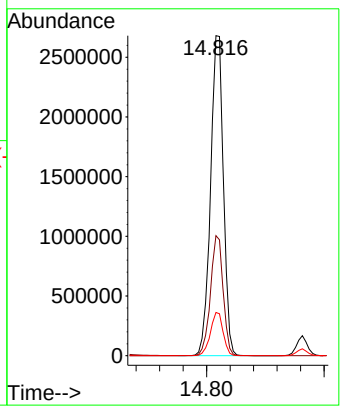


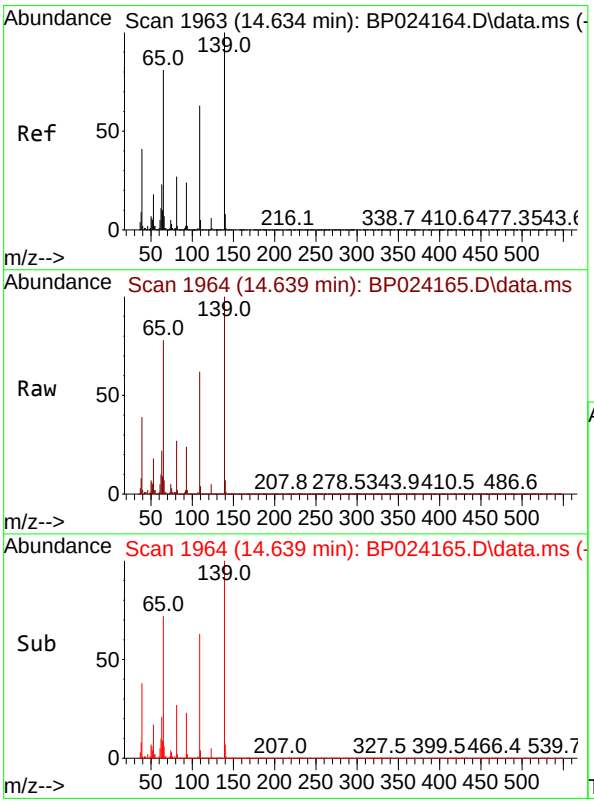
#55
Dibenzofuran
Concen: 48.816 ng
RT: 14.816 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 4058172

Ion	Ratio	Lower	Upper
168	100		
139	37.5	29.1	43.7
169	13.5	10.8	16.2

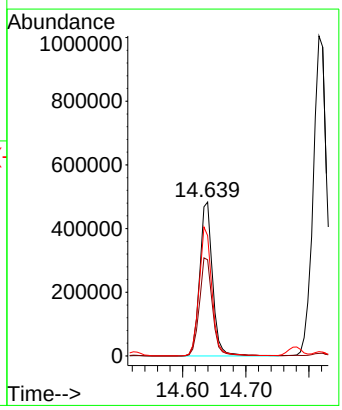


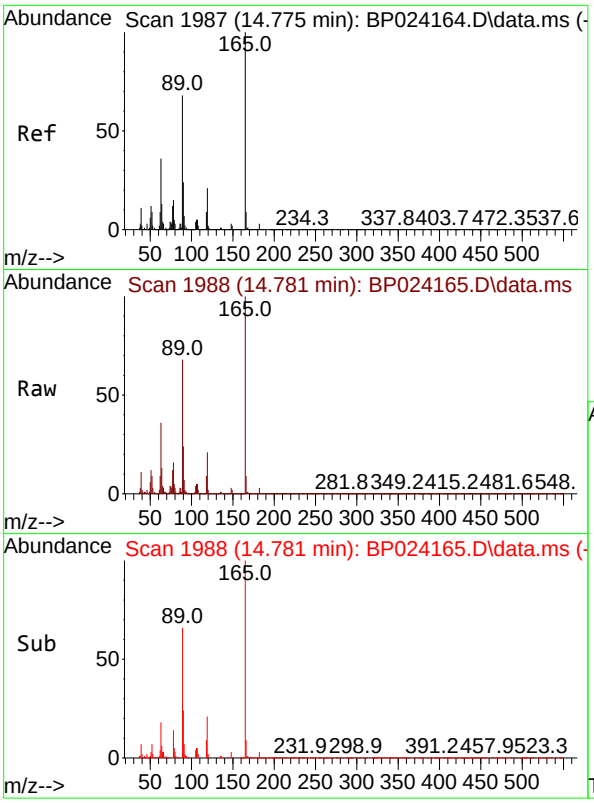


#56
4-Nitrophenol
Concen: 56.382 ng
RT: 14.639 min Scan# 1964
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:139 Resp: 685687

Ion	Ratio	Lower	Upper
139	100		
109	62.5	43.3	83.3
65	78.1	61.2	101.2



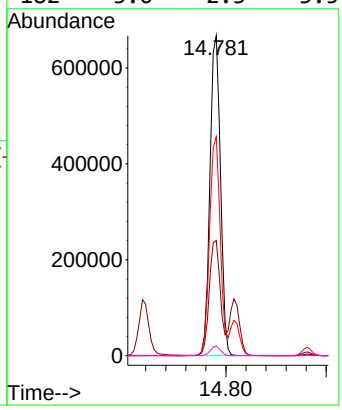


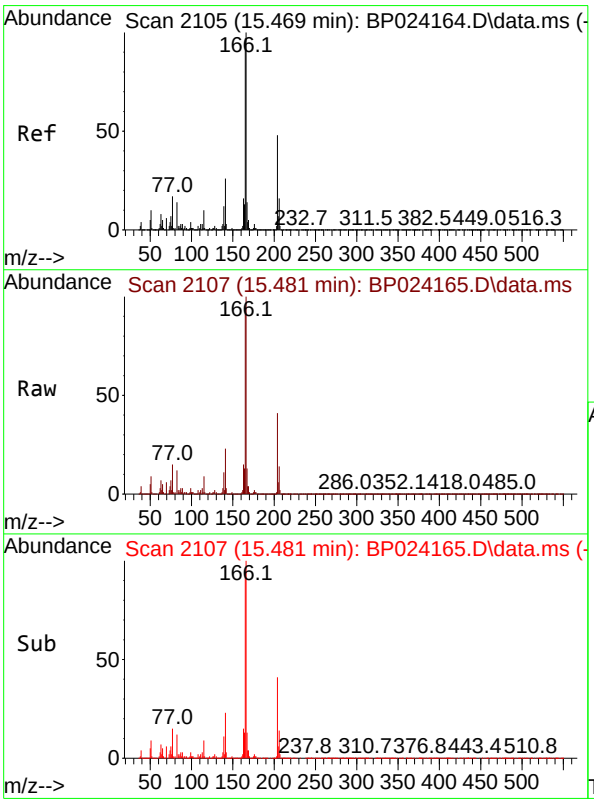
#57
2,4-Dinitrotoluene
Concen: 56.659 ng
RT: 14.781 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 971087

Ion	Ratio	Lower	Upper
165	100		
63	36.0	29.0	43.6
89	68.4	54.2	81.4
182	3.0	2.3	3.5

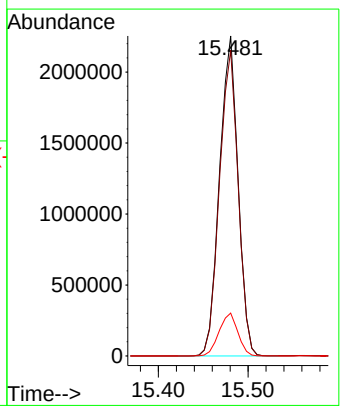


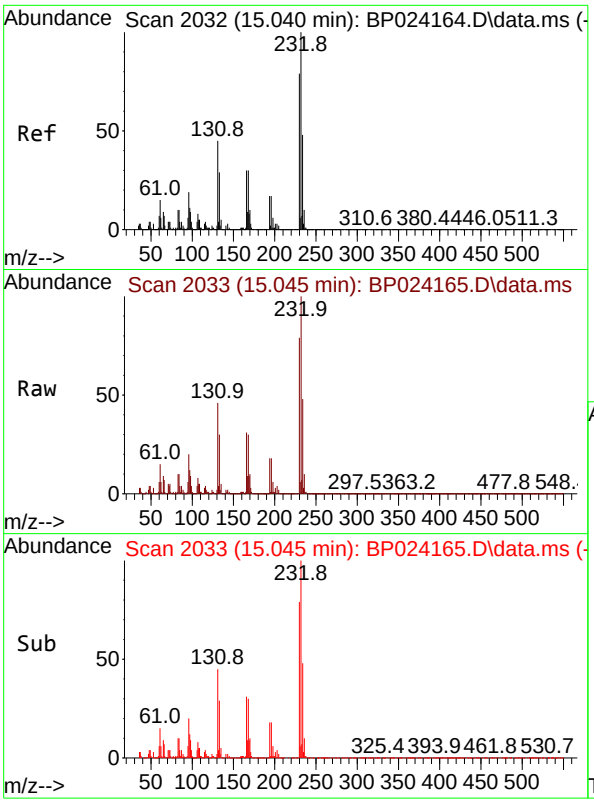


#58
Fluorene
Concen: 49.759 ng
RT: 15.481 min Scan# 2107
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:166 Resp: 3230571

Ion	Ratio	Lower	Upper
166	100		
165	95.5	77.6	116.4
167	13.4	10.8	16.2



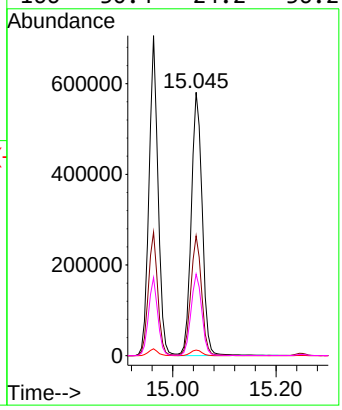


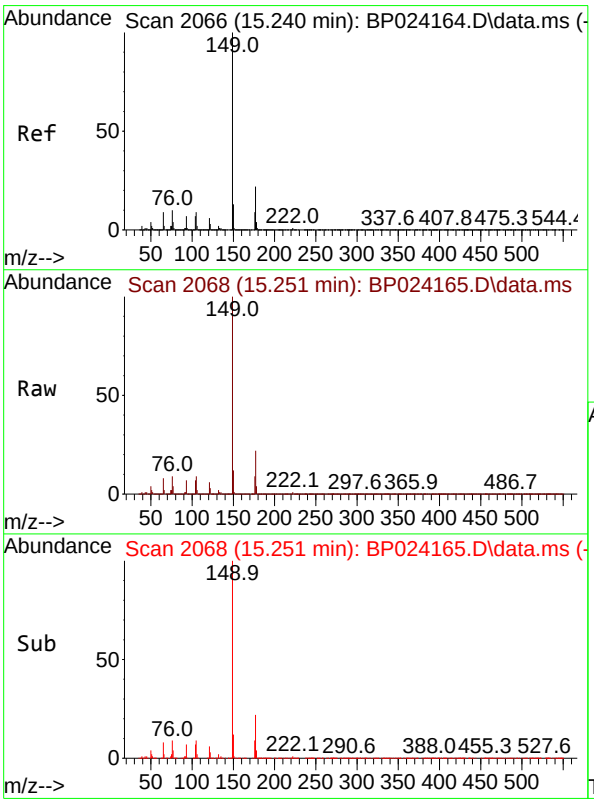
#59
2,3,4,6-Tetrachlorophenol
Concen: 52.152 ng
RT: 15.045 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 851401

Ion	Ratio	Lower	Upper
232	100		
131	44.9	35.9	53.9
130	2.2	1.8	2.6
166	30.4	24.2	36.2

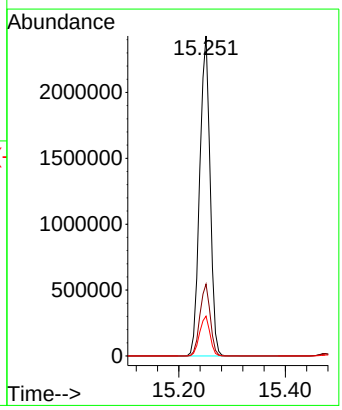


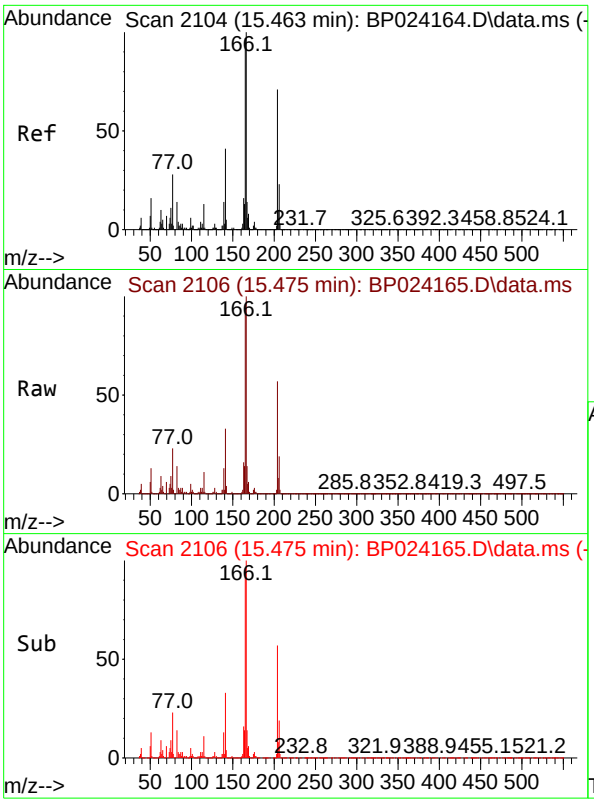


#60
Diethylphthalate
Concen: 50.786 ng
RT: 15.251 min Scan# 2068
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:149 Resp: 3265289

Ion	Ratio	Lower	Upper
149	100		
177	22.5	17.7	26.5
150	12.5	10.2	15.4



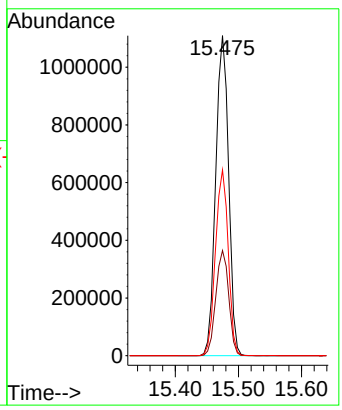


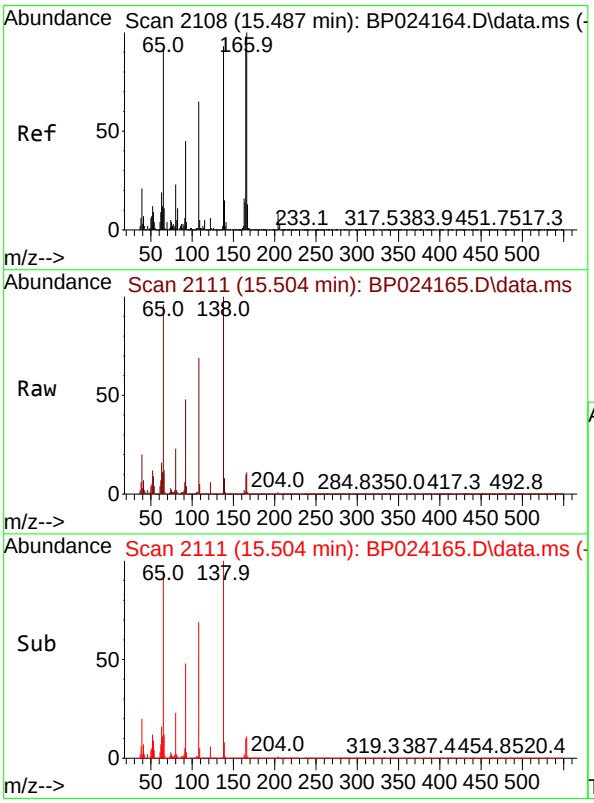
#61
4-Chlorophenyl-phenylether
Concen: 49.216 ng
RT: 15.475 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 1572773

Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.4	39.6
141	58.0	45.8	68.8

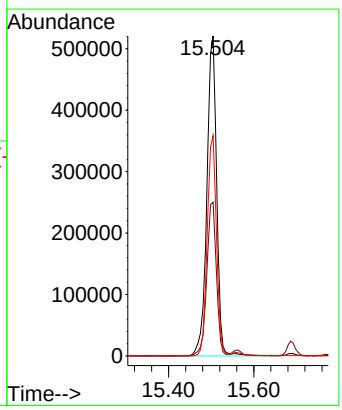


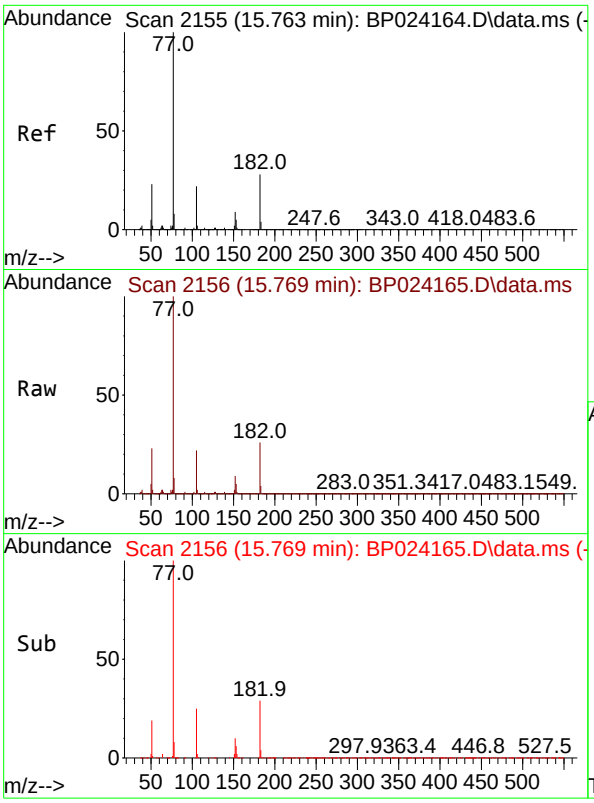


#62
4-Nitroaniline
Concen: 56.889 ng
RT: 15.504 min Scan# 2111
Delta R.T. 0.017 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:138 Resp: 831169

Ion	Ratio	Lower	Upper
138	100		
92	48.1	28.7	68.7
108	68.9	49.5	89.5



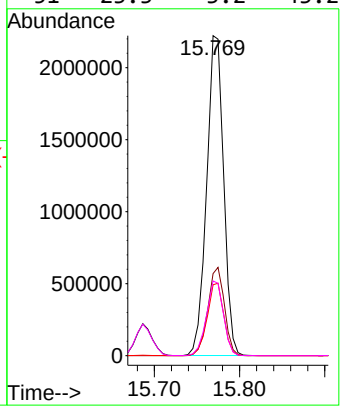


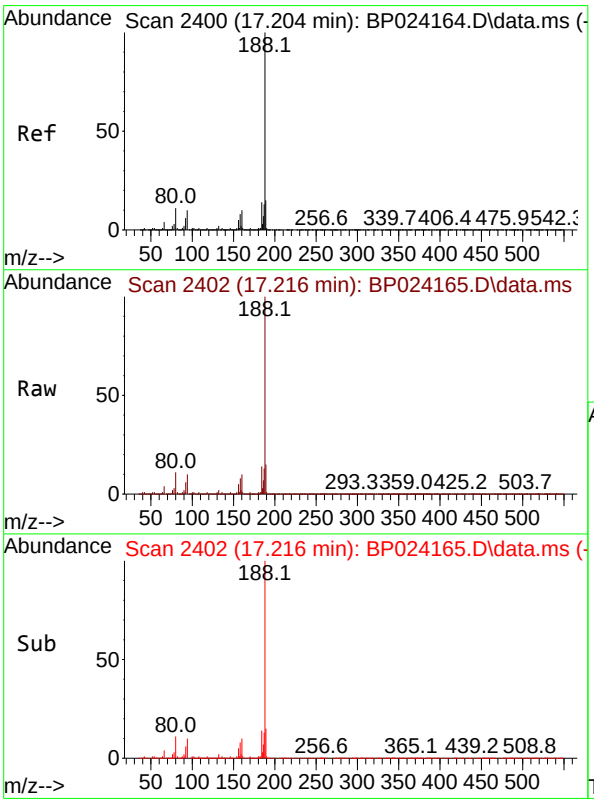
#63
Azobenzene
Concen: 51.085 ng
RT: 15.769 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 3077821

Ion	Ratio	Lower	Upper
77	100		
182	25.6	7.7	47.7
105	22.2	2.3	42.3
51	23.3	3.2	43.2

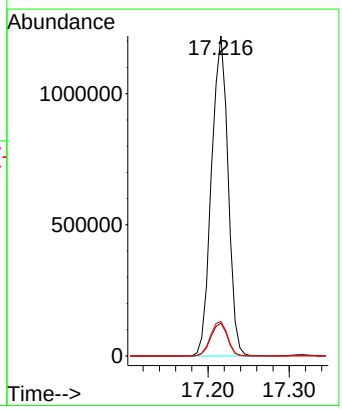


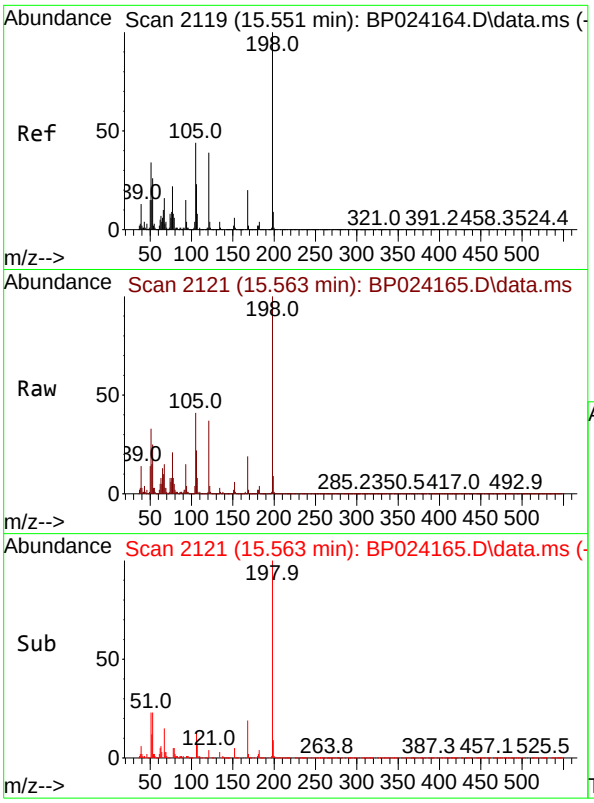


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.216 min Scan# 2402
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:188 Resp: 1730200

Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.1	12.1
80	10.8	8.9	13.3



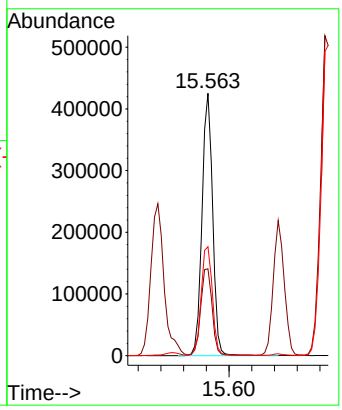


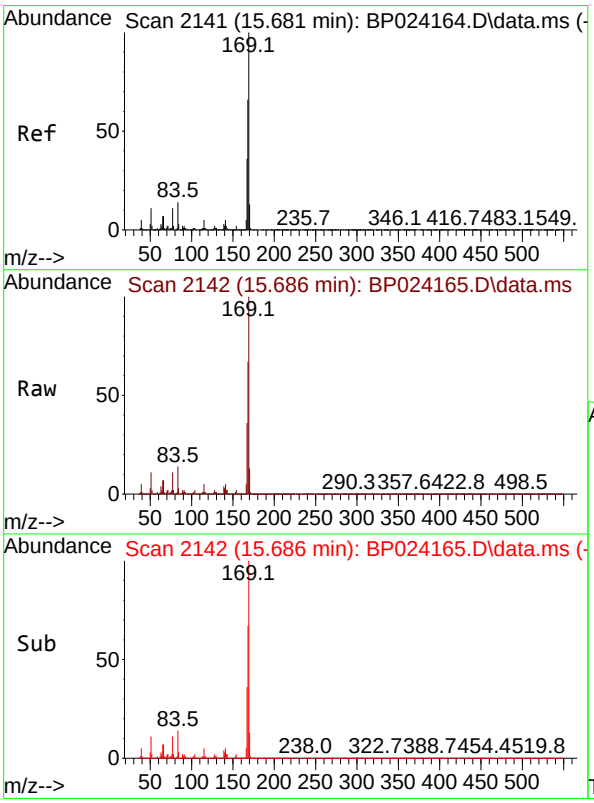
#65
4,6-Dinitro-2-methylphenol
Concen: 55.051 ng
RT: 15.563 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 551280

Ion	Ratio	Lower	Upper
198	100		
51	33.1	14.7	54.7
105	41.5	23.8	63.8

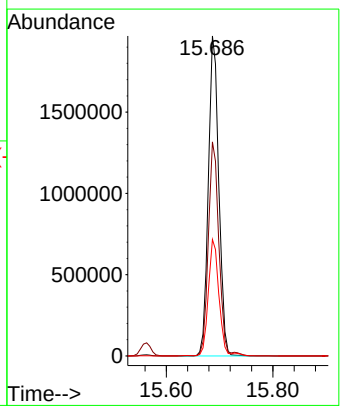


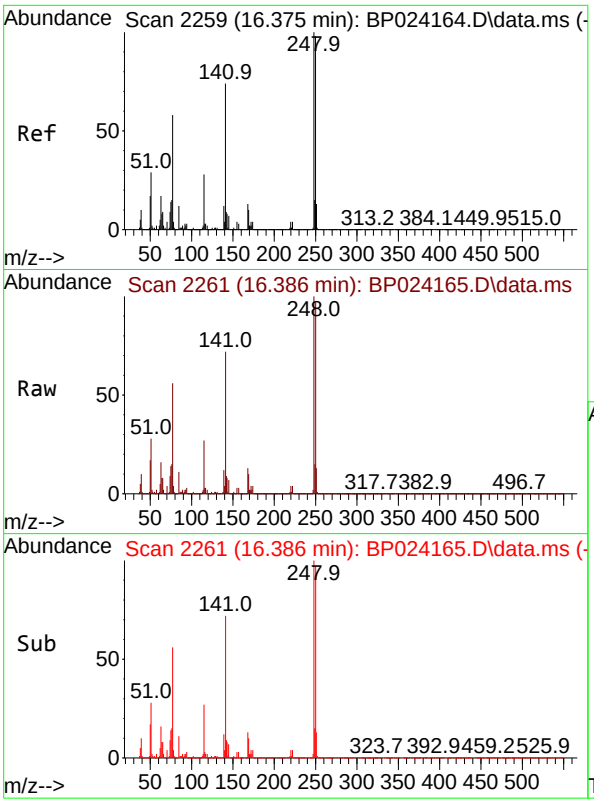


#66
n-Nitrosodiphenylamine
Concen: 49.497 ng
RT: 15.686 min Scan# 2142
Delta R.T. 0.006 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:169 Resp: 2670636

Ion	Ratio	Lower	Upper
169	100		
168	66.9	52.9	79.3
167	36.4	28.8	43.2



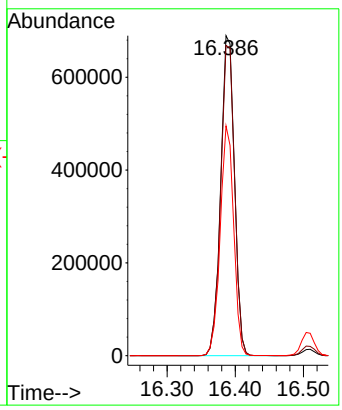


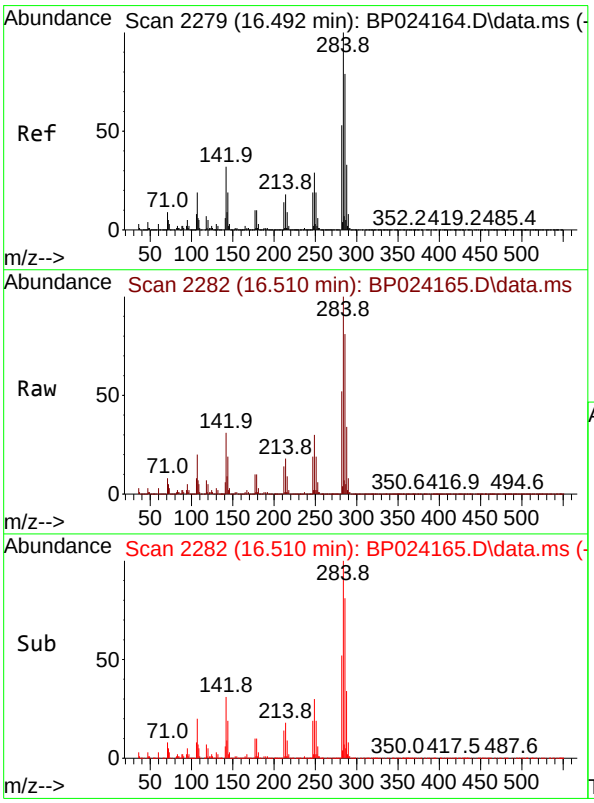
#67
4-Bromophenyl-phenylether
Concen: 49.858 ng
RT: 16.386 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 968698

Ion	Ratio	Lower	Upper
248	100		
250	97.0	78.4	117.6
141	71.8	59.4	89.0

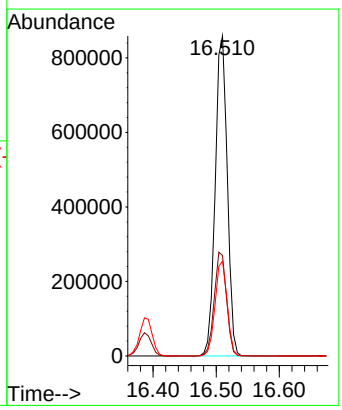


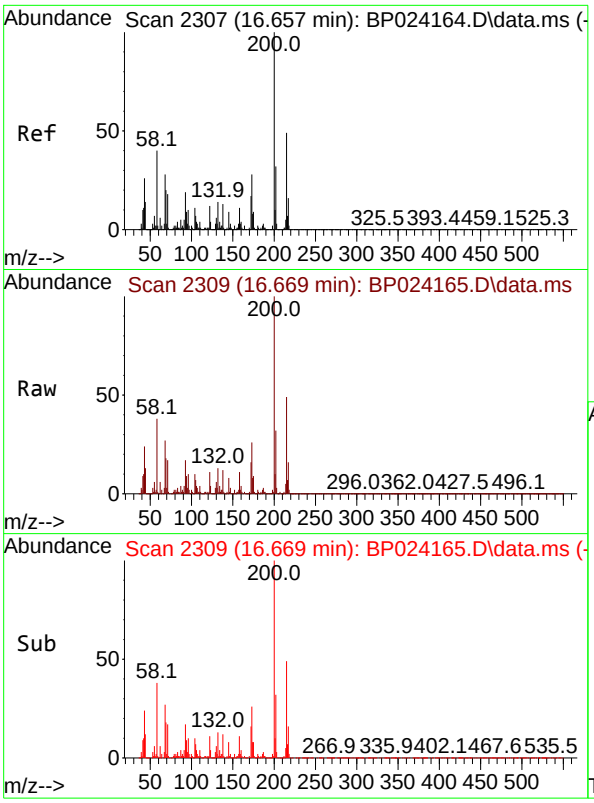


#68
Hexachlorobenzene
Concen: 49.709 ng
RT: 16.510 min Scan# 2282
Delta R.T. 0.017 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:284 Resp: 1136445

Ion	Ratio	Lower	Upper
284	100		
142	31.4	25.4	38.2
249	29.6	23.5	35.3



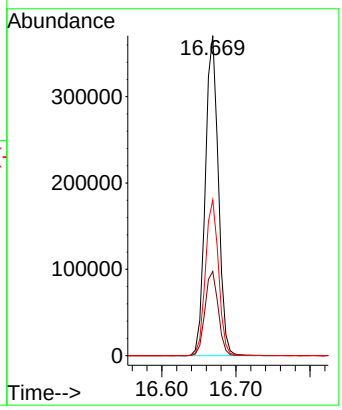


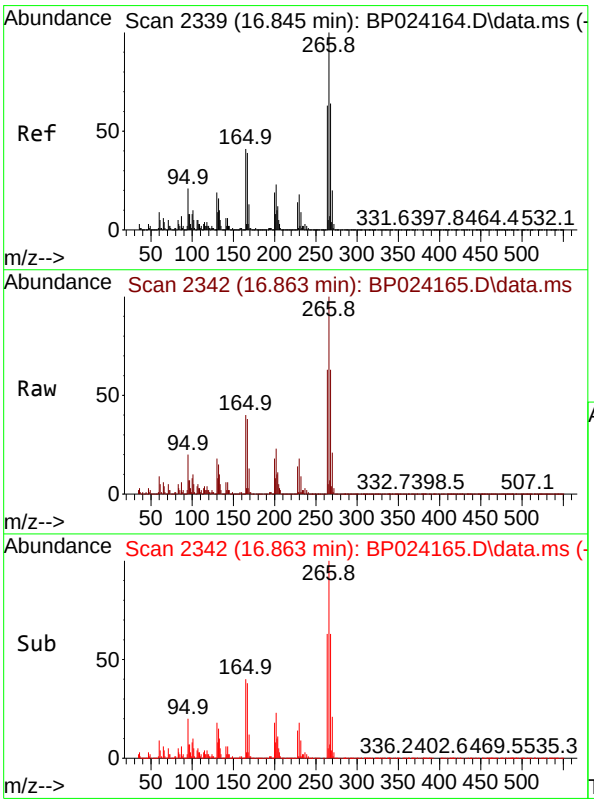
#69
Atrazine
Concen: 32.672 ng
RT: 16.669 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 452391

Ion	Ratio	Lower	Upper
200	100		
173	26.3	7.6	47.6
215	48.6	29.0	69.0

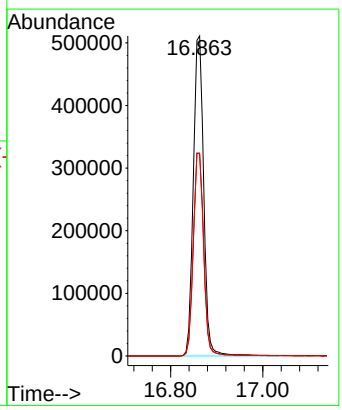


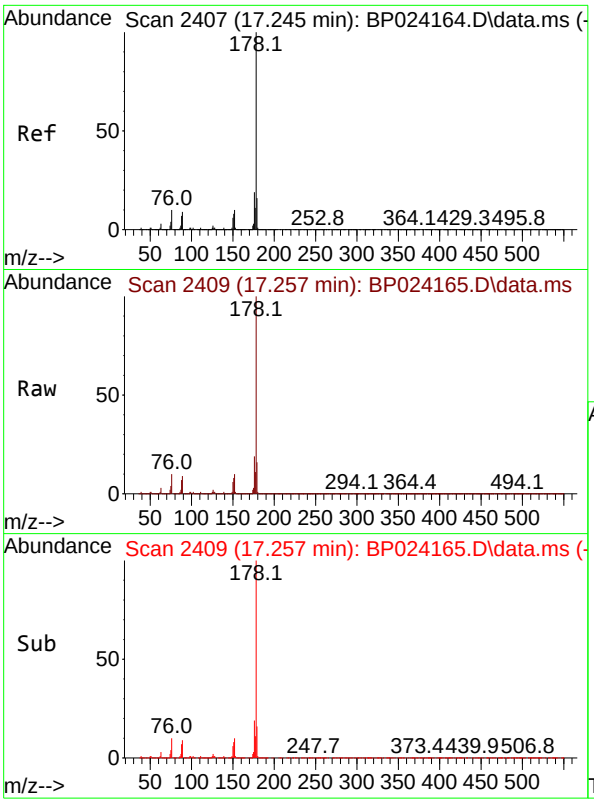


#70
Pentachlorophenol
Concen: 53.644 ng
RT: 16.863 min Scan# 2342
Delta R.T. 0.017 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:266 Resp: 796545

Ion	Ratio	Lower	Upper
266	100		
268	63.1	51.3	76.9
264	63.4	50.6	76.0



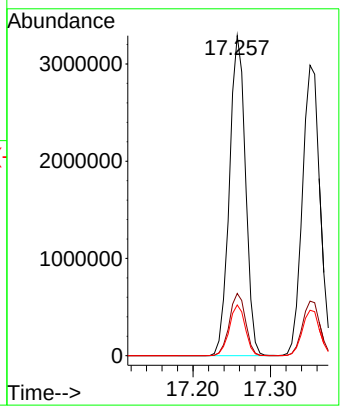


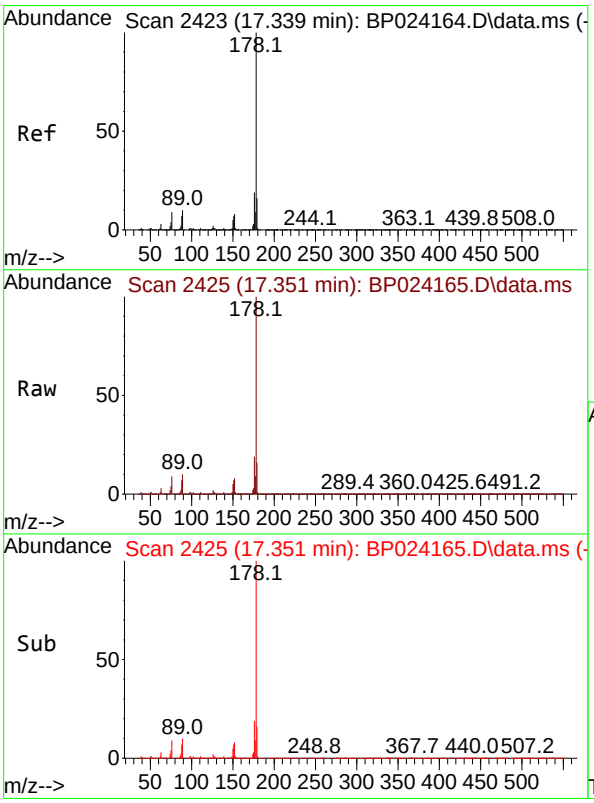
#71
Phenanthrene
Concen: 48.797 ng
RT: 17.257 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 4759945

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.6	23.4
179	15.8	12.5	18.7

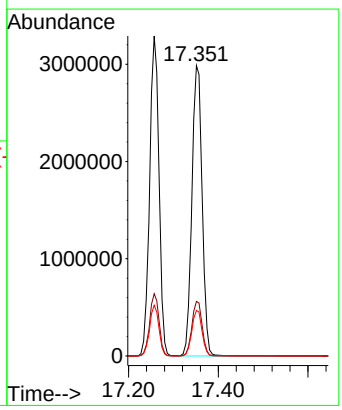


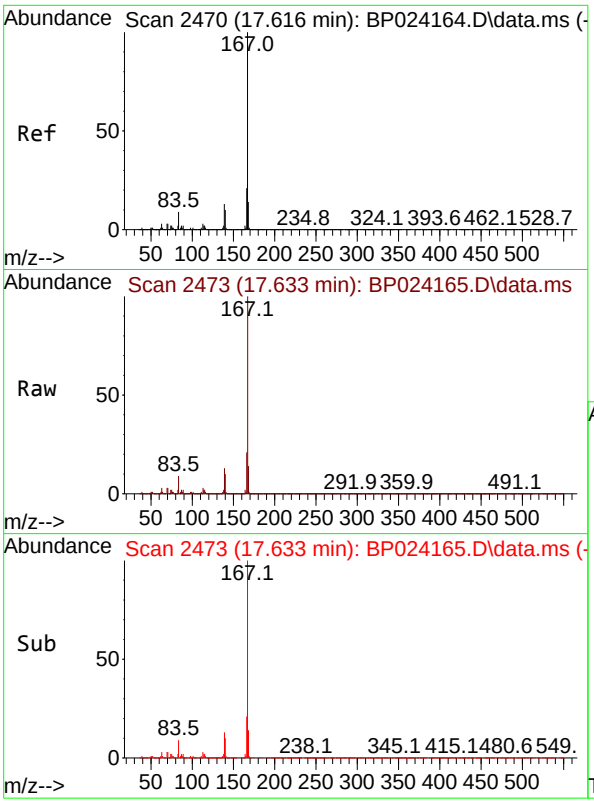


#72
Anthracene
Concen: 50.526 ng
RT: 17.351 min Scan# 2425
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:178 Resp: 4723119

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.2	22.8
179	15.6	12.6	18.8



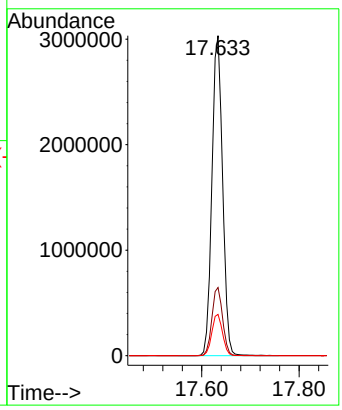


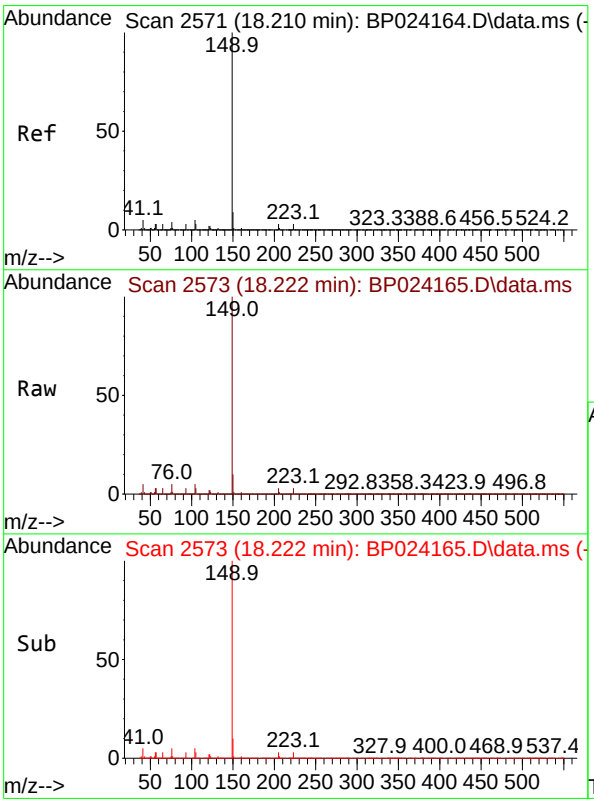
#73
Carbazole
Concen: 51.485 ng
RT: 17.633 min Scan# 24
Delta R.T. 0.017 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 4585466

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.1	25.7
139	12.9	10.2	15.4

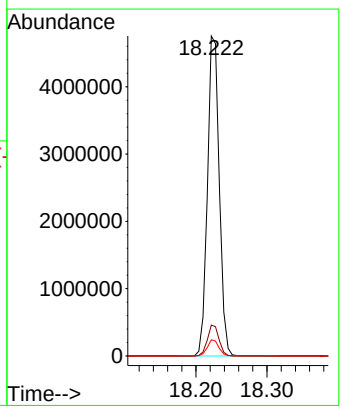


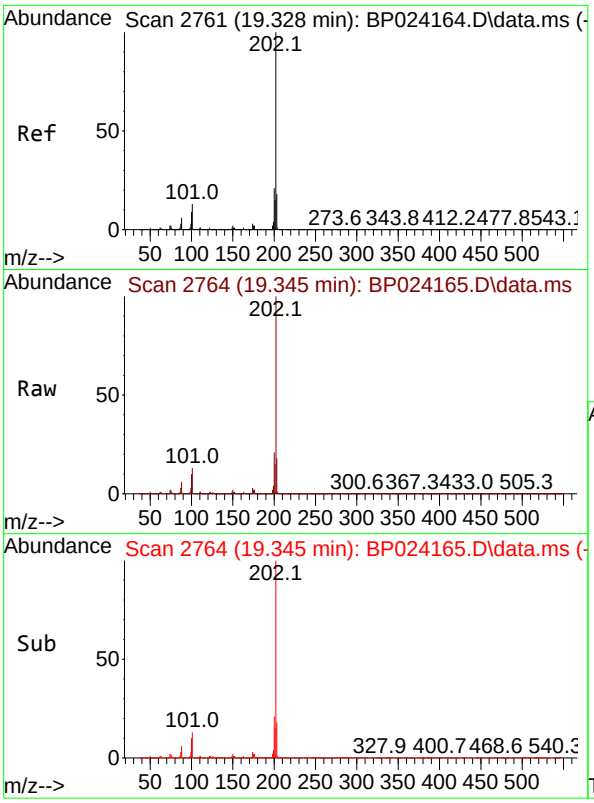


#74
Di-n-butylphthalate
Concen: 52.951 ng
RT: 18.222 min Scan# 2573
Delta R.T. 0.012 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:149 Resp: 5502824

Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.6	11.4
104	5.0	3.9	5.9



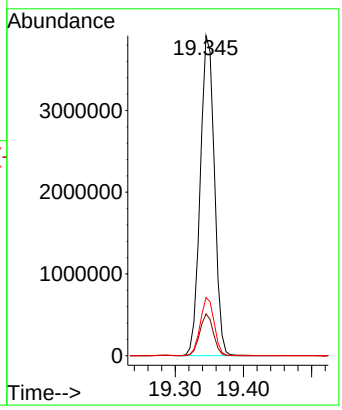


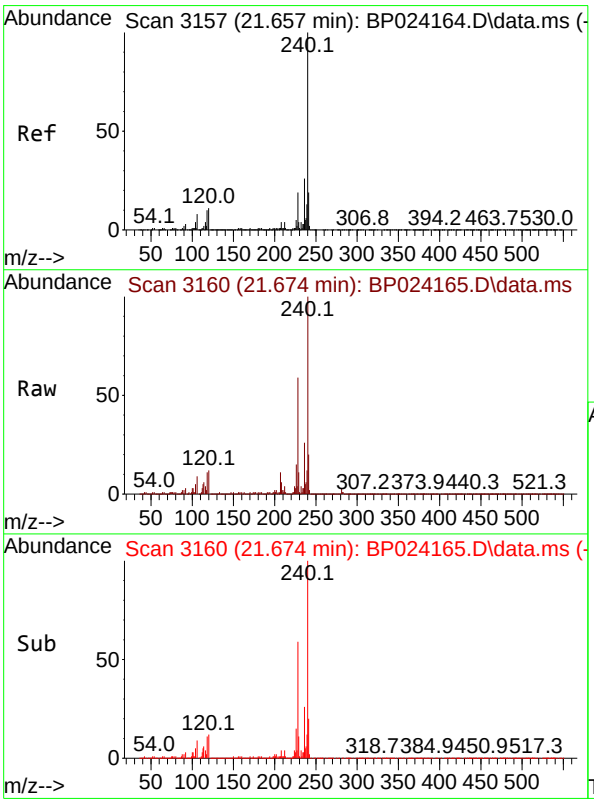
#75
Fluoranthene
Concen: 51.163 ng
RT: 19.345 min Scan# 2
Delta R.T. 0.017 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 5644914

Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	32.5
203	18.2	0.0	37.9

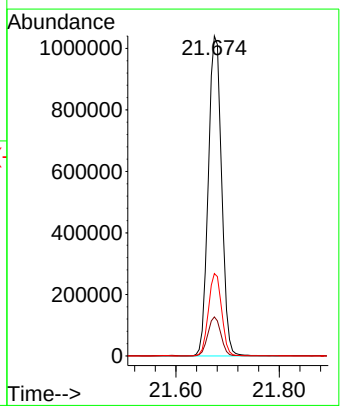


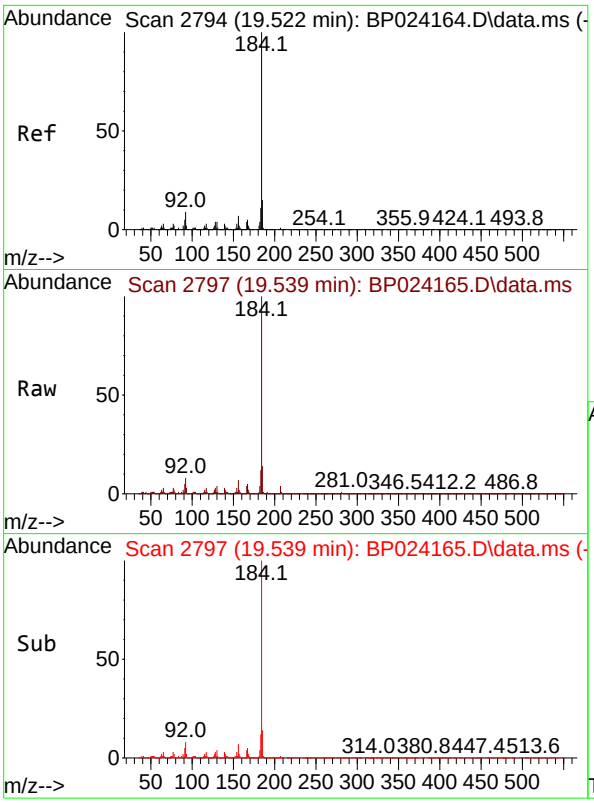


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.674 min Scan# 3160
Delta R.T. 0.017 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:240 Resp: 1856010

Ion	Ratio	Lower	Upper
240	100		
120	12.2	9.2	13.8
236	25.7	20.4	30.6



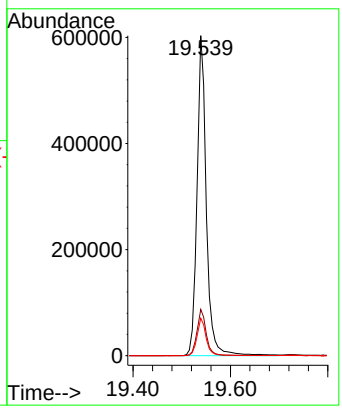


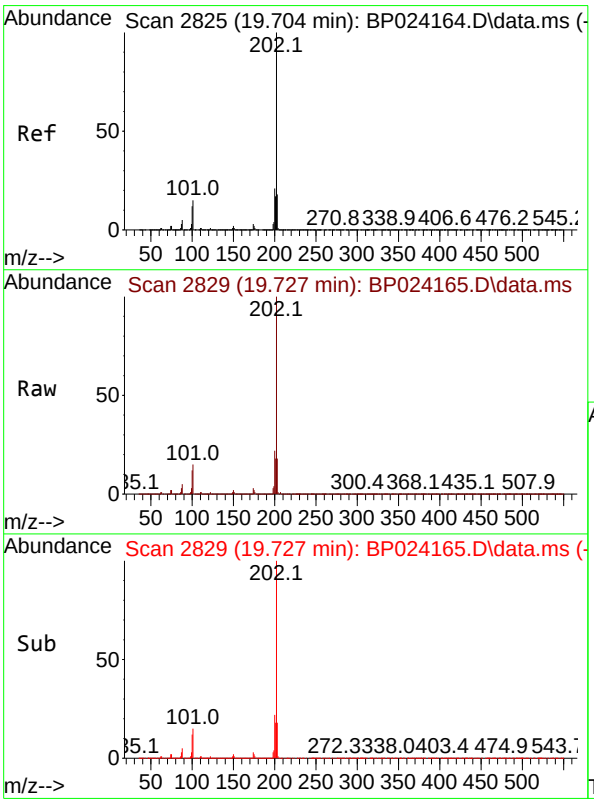
#77
Benzidine
Concen: 35.585 ng
RT: 19.539 min Scan# 2
Delta R.T. 0.017 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 804810

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.8	17.6
183	11.7	9.1	13.7

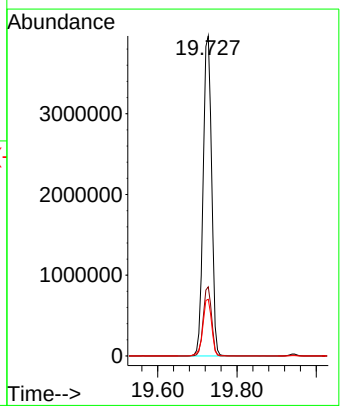


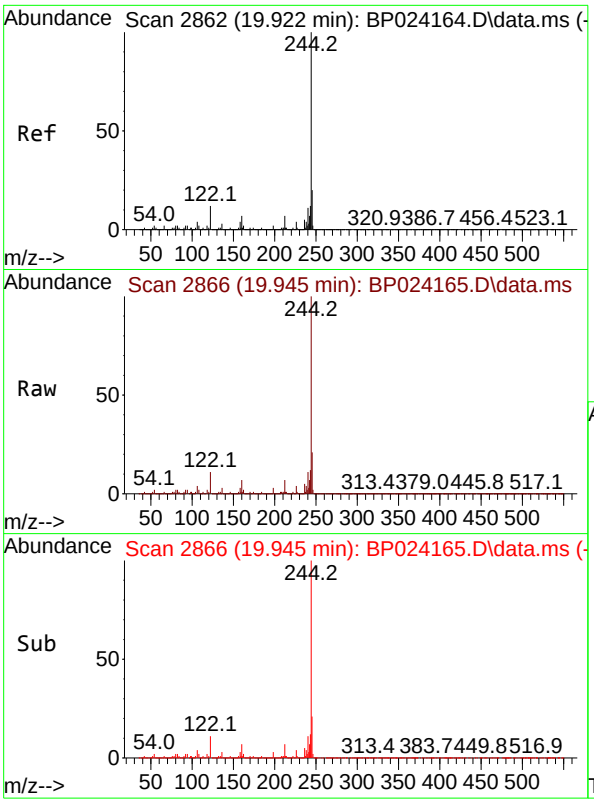


#78
Pyrene
Concen: 49.843 ng
RT: 19.727 min Scan# 2829
Delta R.T. 0.023 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:202 Resp: 5876091

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.1	25.7
203	17.7	14.2	21.4



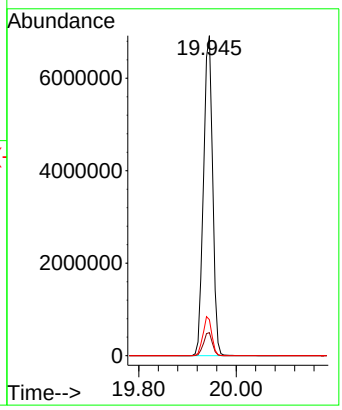


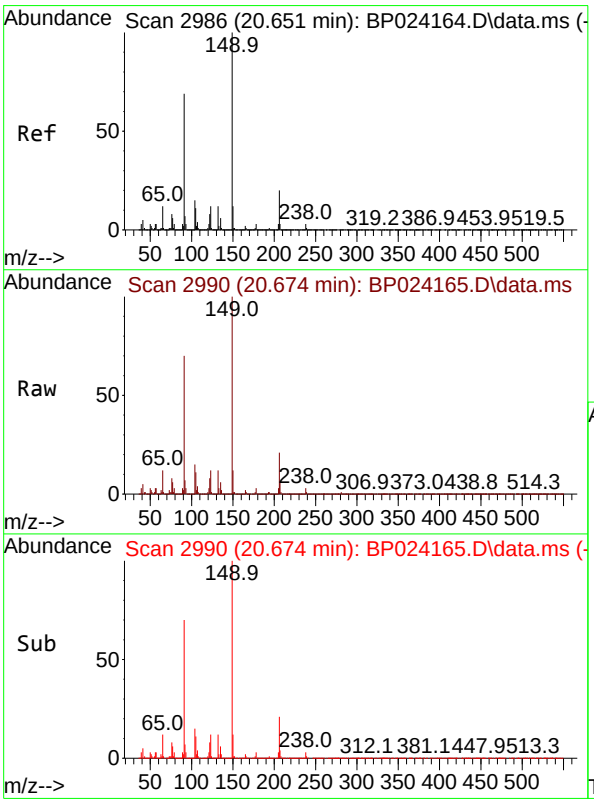
#79
Terphenyl-d14
Concen: 95.606 ng
RT: 19.945 min Scan# 2
Delta R.T. 0.023 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 8967575

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.7	8.5
122	11.3	9.6	14.4

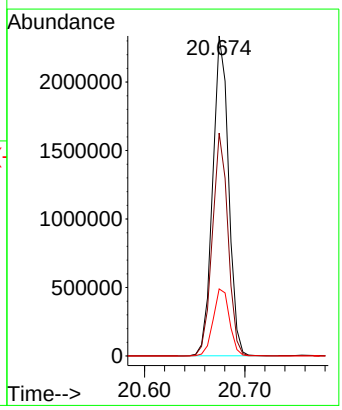


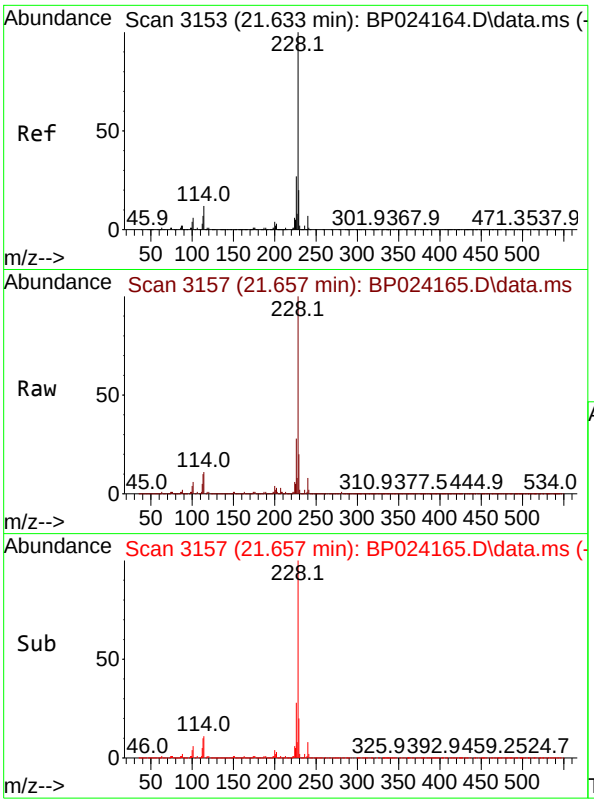


#80
Butylbenzylphthalate
Concen: 56.920 ng
RT: 20.674 min Scan# 2990
Delta R.T. 0.023 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:149 Resp: 2571381

Ion	Ratio	Lower	Upper
149	100		
91	69.7	55.3	82.9
206	20.9	16.1	24.1



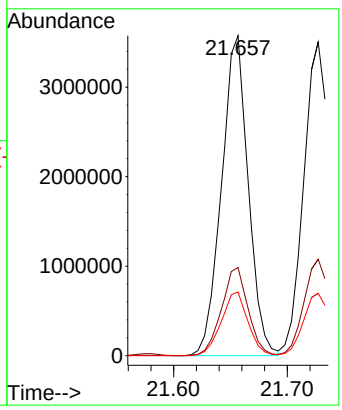


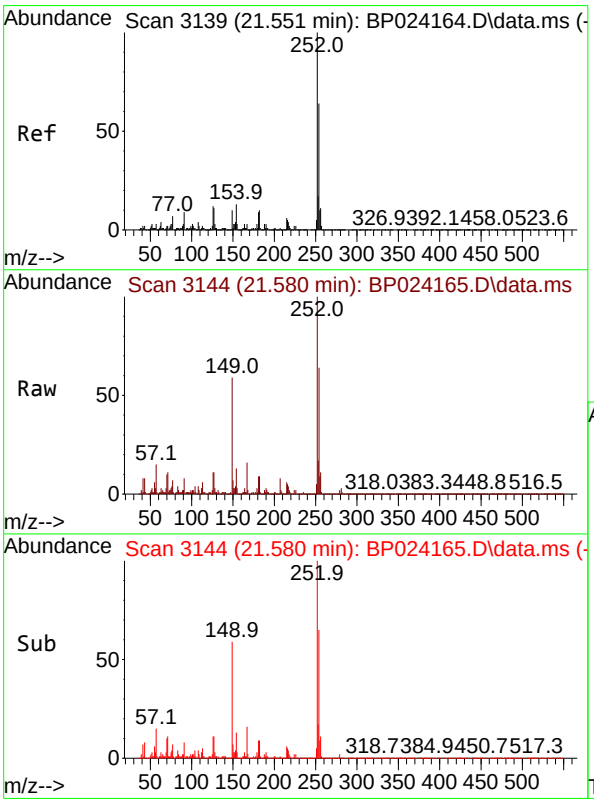
#81
Benzo(a)anthracene
Concen: 50.277 ng
RT: 21.657 min Scan# 3
Delta R.T. 0.023 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 5851357

Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.8	32.8
229	19.9	16.0	24.0

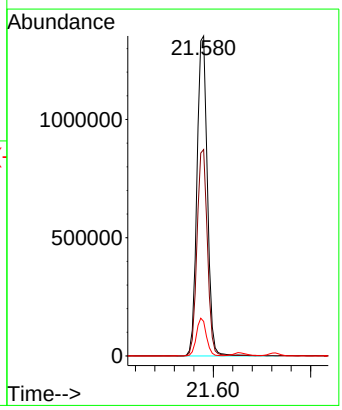


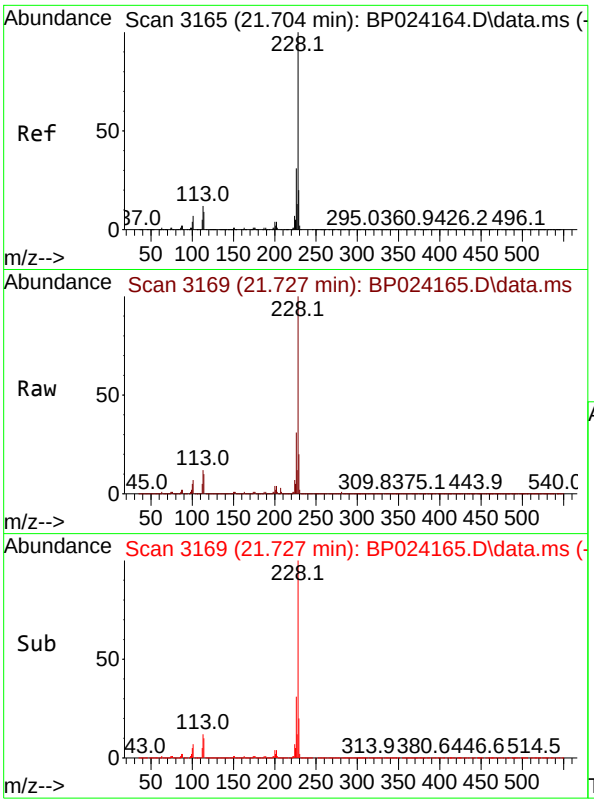


#82
3,3'-Dichlorobenzidine
Concen: 55.414 ng
RT: 21.580 min Scan# 3144
Delta R.T. 0.029 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:252 Resp: 2015249

Ion	Ratio	Lower	Upper
252	100		
254	64.5	51.4	77.2
126	10.8	9.3	13.9



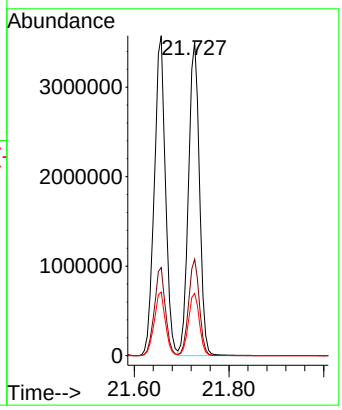


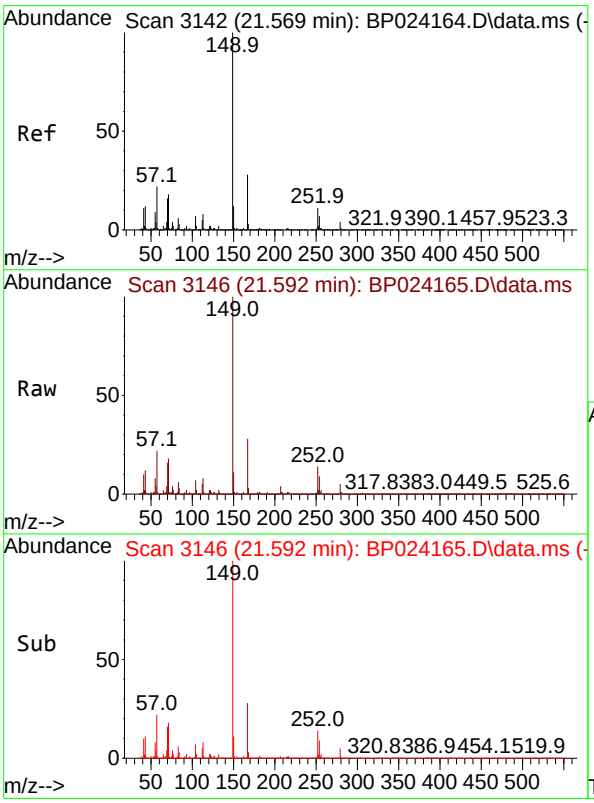
#83
Chrysene
Concen: 50.126 ng
RT: 21.727 min Scan# 31
Delta R.T. 0.023 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 5625314

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.5	36.7
229	19.9	16.2	24.2

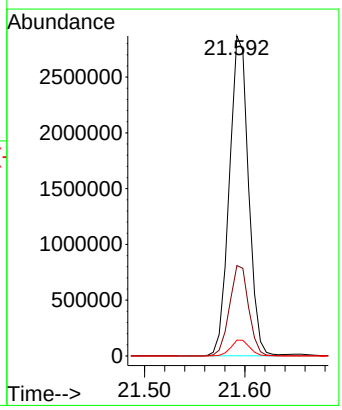


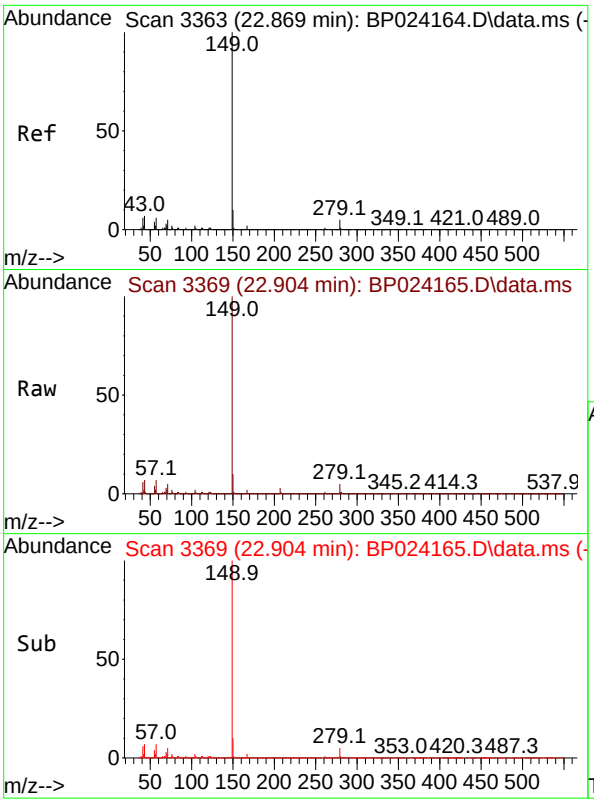


#84
Bis(2-ethylhexyl)phthalate
Concen: 55.499 ng
RT: 21.592 min Scan# 3146
Delta R.T. 0.023 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:149 Resp: 3802016

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.5	33.7
279	4.9	3.6	5.4



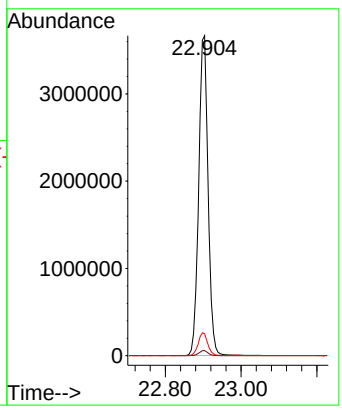


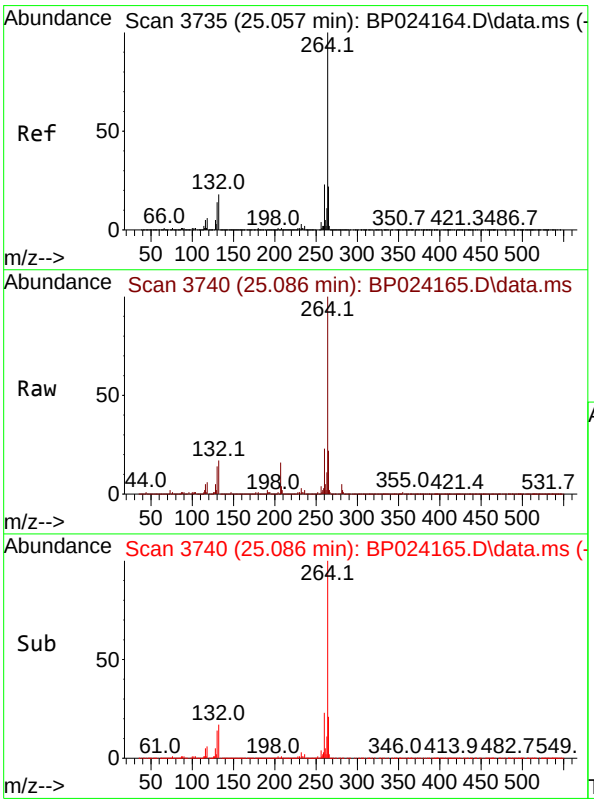
#85
Di-n-octyl phthalate
Concen: 57.516 ng
RT: 22.904 min Scan# 3
Delta R.T. 0.035 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 6298049

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.3	5.8	8.8

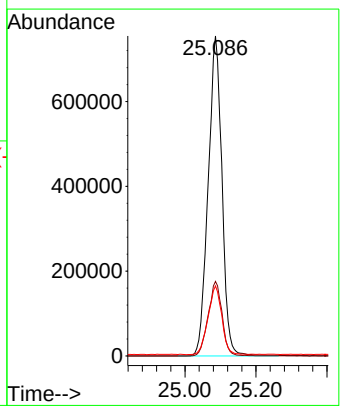


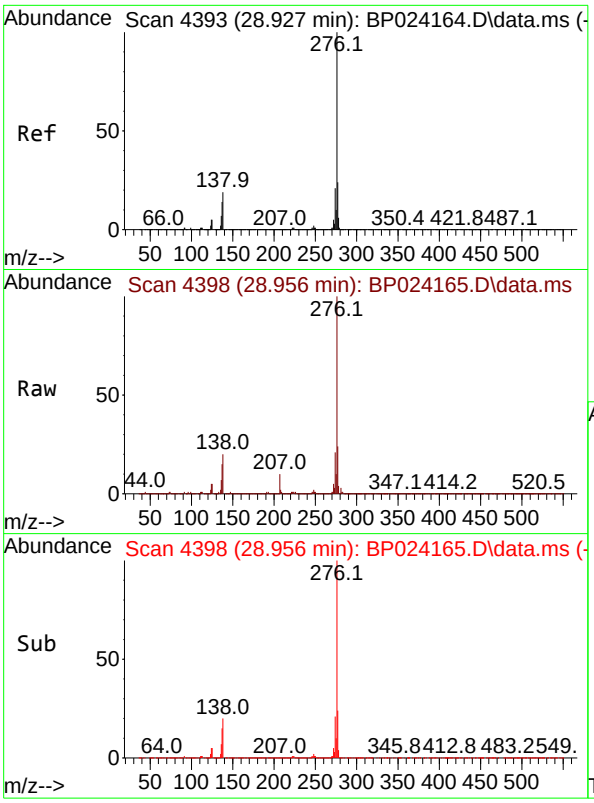


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.086 min Scan# 3740
Delta R.T. 0.029 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:264 Resp: 2039908

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.5	27.7
265	21.9	17.7	26.5



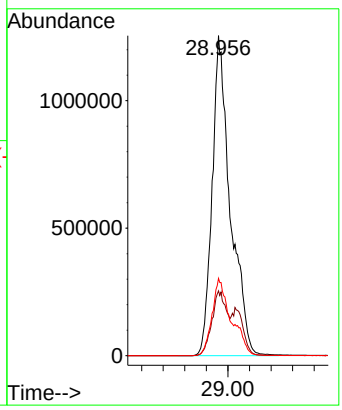


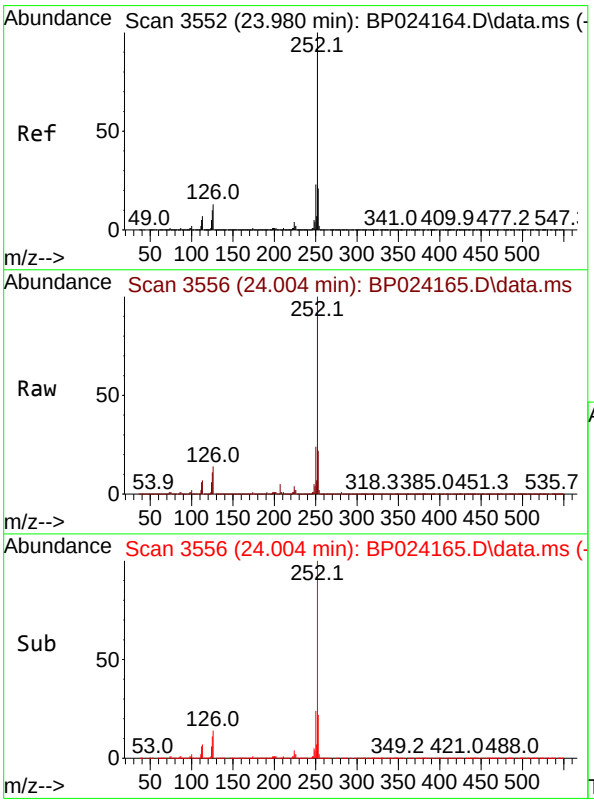
#87
Indeno(1,2,3-cd)pyrene
Concen: 50.680 ng
RT: 28.956 min Scan# 4
Delta R.T. 0.029 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 7354717

Ion	Ratio	Lower	Upper
276	100		
138	16.5	13.7	20.5
277	25.2	20.2	30.2

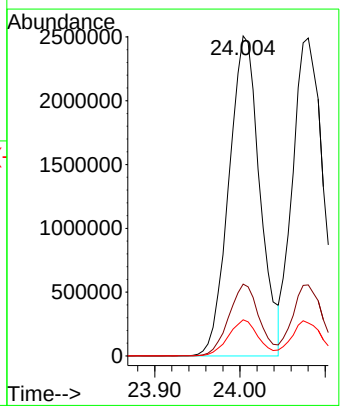


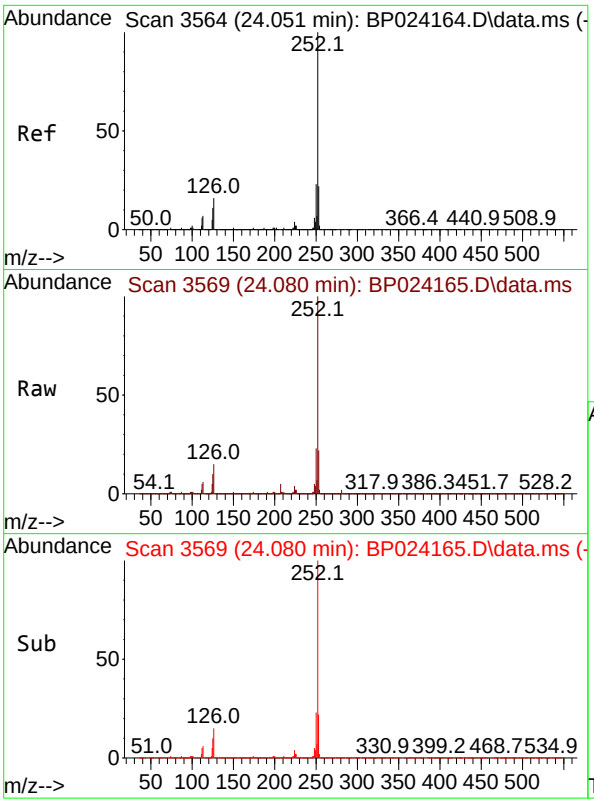


#88
Benzo(b)fluoranthene
Concen: 48.959 ng
RT: 24.004 min Scan# 3556
Delta R.T. 0.023 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:252 Resp: 6342083

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.2	25.8
125	11.3	8.2	12.4



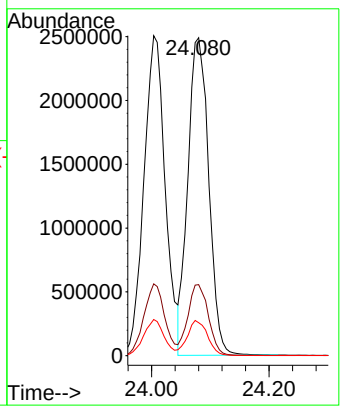


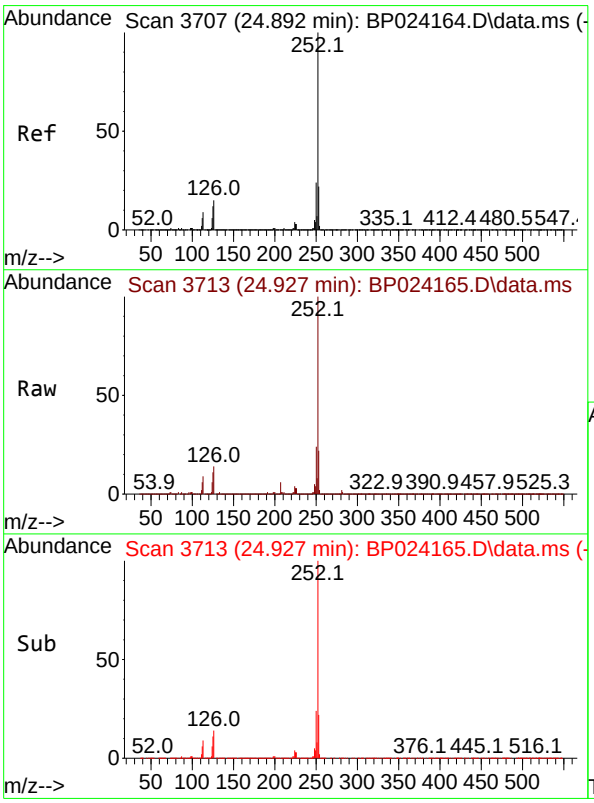
#89
Benzo(k)fluoranthene
Concen: 48.672 ng
RT: 24.080 min Scan# 3
Delta R.T. 0.029 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 6136938

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	10.4	9.1	13.7

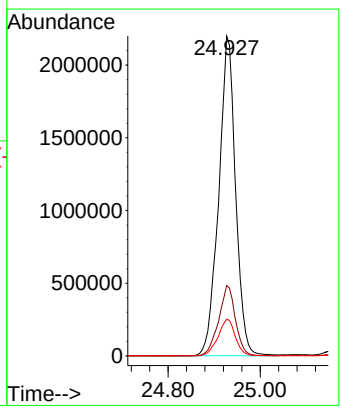


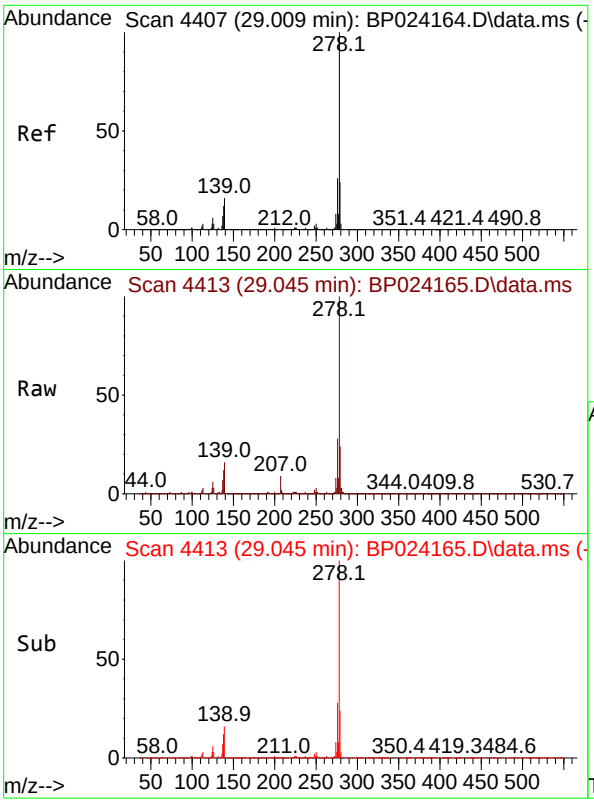


#90
Benzo(a)pyrene
Concen: 50.770 ng
RT: 24.927 min Scan# 3713
Delta R.T. 0.035 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:252 Resp: 5581393

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	11.4	9.6	14.4



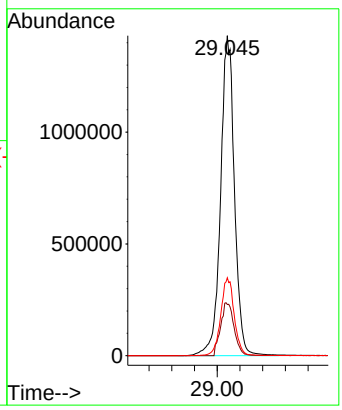


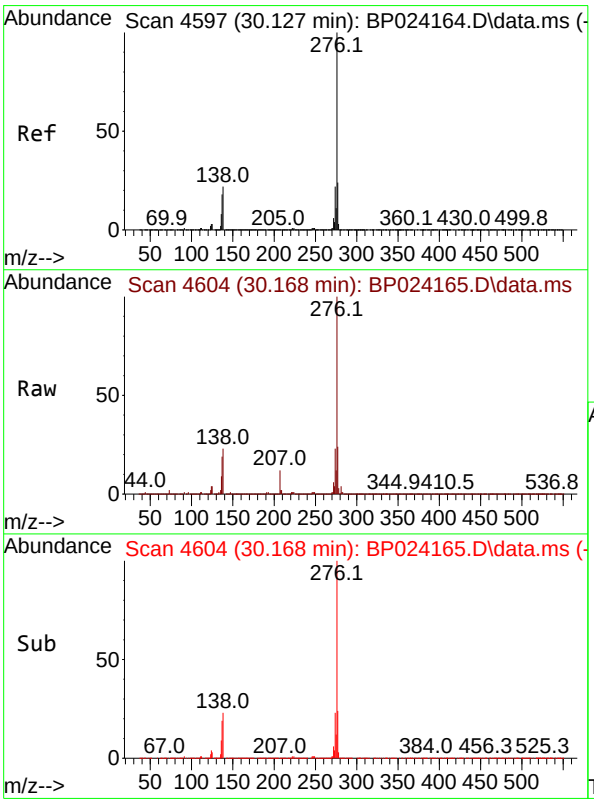
#91
Dibenzo(a,h)anthracene
Concen: 49.766 ng
RT: 29.045 min Scan# 44
Delta R.T. 0.035 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 6072440

Ion	Ratio	Lower	Upper
278	100		
139	16.0	13.0	19.4
279	24.4	18.8	28.2

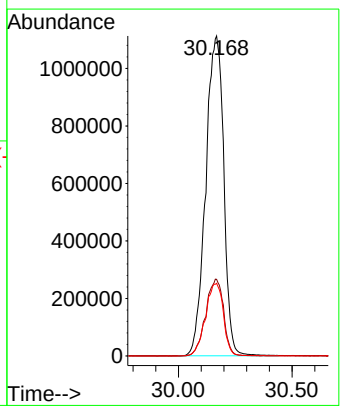




#92
Benzo(g,h,i)perylene
Concen: 49.509 ng
RT: 30.168 min Scan# 4604
Delta R.T. 0.041 min
Lab File: BP024165.D
Acq: 12 Mar 2025 19:41

Tgt Ion:276 Resp: 6130219

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.2	28.8
138	22.7	17.4	26.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024166.D
Acq On : 12 Mar 2025 20:21
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Mar 13 04:09:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	394376	20.000	ng	0.00
21) Naphthalene-d8	10.552	136	1591612	20.000	ng	0.00
39) Acenaphthene-d10	14.404	164	936110	20.000	ng	0.00
64) Phenanthrene-d10	17.210	188	1759587	20.000	ng	0.00
76) Chrysene-d12	21.669	240	1817869	20.000	ng	0.01
86) Perylene-d12	25.074	264	2003229	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	3091896	122.332	ng	0.00
7) Phenol-d6	6.958	99	4151063	127.785	ng	0.00
23) Nitrobenzene-d5	8.922	82	3516139	123.247	ng	0.00
42) 2,4,6-Tribromophenol	15.922	330	1542341	134.511	ng	0.00
45) 2-Fluorobiphenyl	13.016	172	7675412	114.626	ng	0.00
79) Terphenyl-d14	19.933	244	10595349	115.330	ng	0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.322	88	588784	59.385	ng	100
3) Pyridine	3.717	79	1653707m	64.153	ng	
4) n-Nitrosodimethylamine	3.622	42	551093	60.270	ng	99
6) Aniline	7.111	93	1788370	60.115	ng	99
8) 2-Chlorophenol	7.346	128	1656453	61.919	ng	99
9) Benzaldehyde	6.922	77	830475	55.995	ng	99
10) Phenol	6.981	94	2072585	63.448	ng	99
11) bis(2-Chloroethyl)ether	7.199	93	1606110	62.425	ng	99
12) 1,3-Dichlorobenzene	7.663	146	1740829	59.234	ng	100
13) 1,4-Dichlorobenzene	7.805	146	1778400	59.836	ng	100
14) 1,2-Dichlorobenzene	8.122	146	1703894	59.737	ng	100
15) Benzyl Alcohol	8.010	79	1332675	67.021	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.293	45	1610981	64.502	ng	99
17) 2-Methylphenol	8.210	107	1316438	66.132	ng	99
18) Hexachloroethane	8.846	117	636840	59.498	ng	96
19) n-Nitroso-di-n-propyla...	8.575	70	1191669	68.227	ng	99
20) 3+4-Methylphenols	8.540	107	1809984	66.838	ng	100
22) Acetophenone	8.587	105	2478568	60.600	ng	99
24) Nitrobenzene	8.963	77	1731589	61.673	ng	99
25) Isophorone	9.487	82	3063158	65.658	ng	100
26) 2-Nitrophenol	9.669	139	904714	69.941	ng	97
27) 2,4-Dimethylphenol	9.734	122	1095778	64.534	ng	99
28) bis(2-Chloroethoxy)met...	9.963	93	2086687	61.742	ng	99
29) 2,4-Dichlorophenol	10.204	162	1497152	64.609	ng	99
30) 1,2,4-Trichlorobenzene	10.416	180	1578453	59.453	ng	100
31) Naphthalene	10.604	128	5145859	60.129	ng	100
32) Benzoic acid	9.904	122	1203679	77.325	ng	98
33) 4-Chloroaniline	10.710	127	1859148	61.665	ng	99
34) Hexachlorobutadiene	10.887	225	918034	59.699	ng	98
35) Caprolactam	11.510	113	496683	70.784	ng	99
36) 4-Chloro-3-methylphenol	11.846	107	1582952	66.451	ng	98
37) 2-Methylnaphthalene	12.216	142	3504891	61.618	ng	100
38) 1-Methylnaphthalene	12.434	142	3364504	60.802	ng	100
40) 1,2,4,5-Tetrachloroben...	12.587	216	1707961	59.382	ng	100
41) Hexachlorocyclopentadiene	12.563	237	656781	61.365	ng	98
43) 2,4,6-Trichlorophenol	12.828	196	1148545	65.478	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024166.D
Acq On : 12 Mar 2025 20:21
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Mar 13 04:09:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration

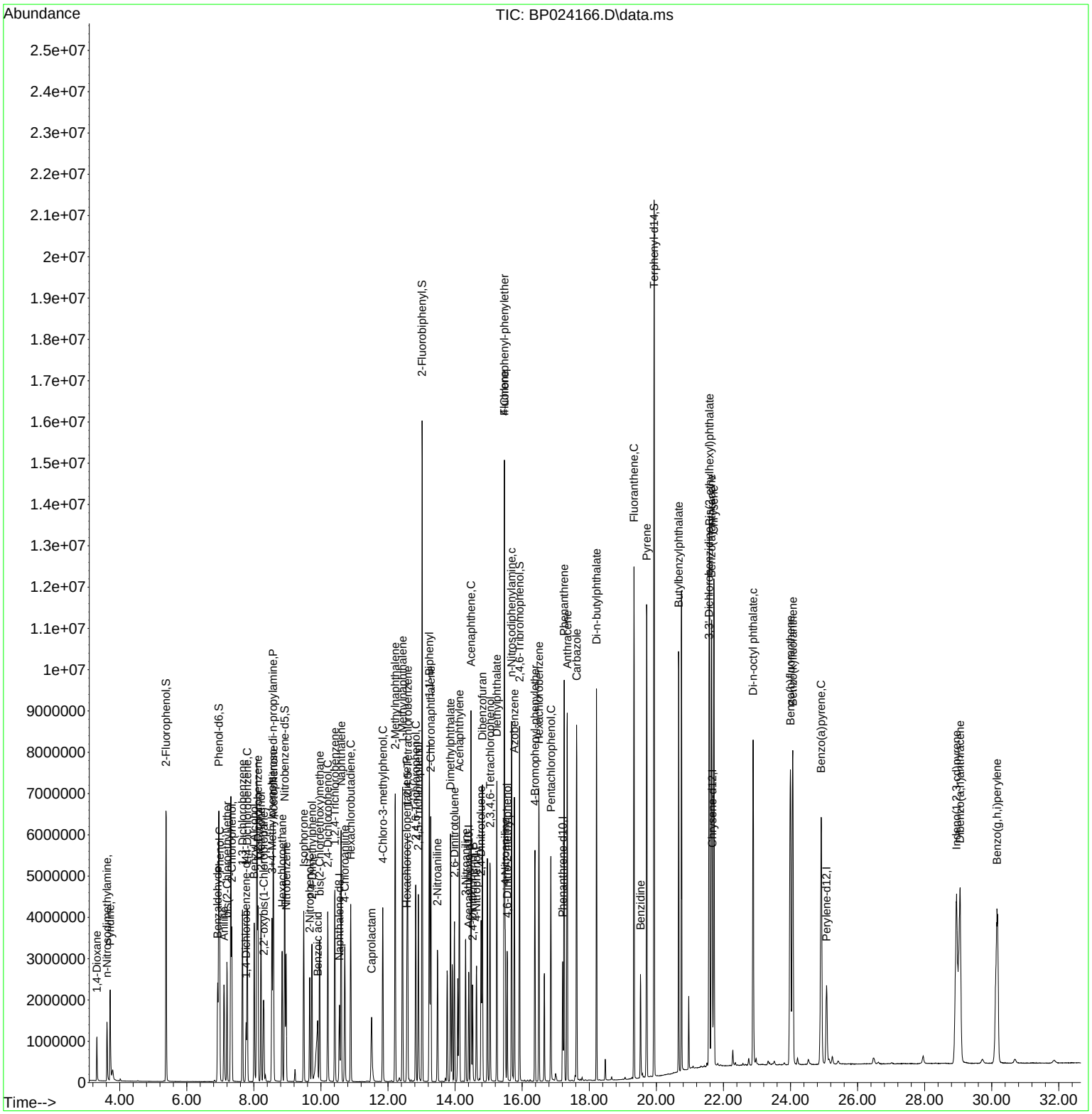
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.904	196	1233147	64.282	ng	99
46) 1,1'-Biphenyl	13.234	154	4312903	59.291	ng	99
47) 2-Chloronaphthalene	13.275	162	3269176	59.452	ng	100
48) 2-Nitroaniline	13.475	65	890207	68.533	ng	99
49) Acenaphthylene	14.128	152	5025011	62.024	ng	100
50) Dimethylphthalate	13.863	163	3997694	60.542	ng	100
51) 2,6-Dinitrotoluene	13.981	165	887706	65.996	ng	96
52) Acenaphthene	14.475	154	3153799	60.450	ng	99
53) 3-Nitroaniline	14.316	138	963434	67.123	ng	99
54) 2,4-Dinitrophenol	14.522	184	523590	73.093	ng	97
55) Dibenzofuran	14.816	168	5051493	59.602	ng	100
56) 4-Nitrophenol	14.640	139	831765	67.086	ng	99
57) 2,4-Dinitrotoluene	14.775	165	1211692	69.346	ng	98
58) Fluorene	15.469	166	3951671	59.702	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.045	232	1055860	63.439	ng	99
60) Diethylphthalate	15.245	149	4030341	61.486	ng	99
61) 4-Chlorophenyl-phenyle...	15.469	204	1934265	59.370	ng	100
62) 4-Nitroaniline	15.498	138	1025149	68.824	ng	98
63) Azobenzene	15.769	77	3829148	62.340	ng	98
65) 4,6-Dinitro-2-methylph...	15.557	198	698260	68.563	ng	93
66) n-Nitrosodiphenylamine	15.687	169	3334914	60.776	ng	100
67) 4-Bromophenyl-phenylether	16.381	248	1211468	61.311	ng	97
68) Hexachlorobenzene	16.498	284	1425714	61.320	ng	97
70) Pentachlorophenol	16.857	266	1002726	66.402	ng	100
71) Phenanthrene	17.251	178	5863198	59.103	ng	99
72) Anthracene	17.345	178	5754537	60.532	ng	100
73) Carbazole	17.622	167	5598533	61.810	ng	99
74) Di-n-butylphthalate	18.216	149	6844468	64.761	ng	100
75) Fluoranthene	19.333	202	6849338	61.042	ng	99
77) Benzidine	19.528	184	1518742	68.561	ng	100
78) Pyrene	19.710	202	7049649	61.052	ng	99
80) Butylbenzylphthalate	20.663	149	3170269	71.649	ng	99
81) Benzo(a)anthracene	21.645	228	7010330	61.500	ng	99
82) 3,3'-Dichlorobenzidine	21.569	252	2547922	71.531	ng	99
83) Chrysene	21.716	228	6653811	60.535	ng	99
84) Bis(2-ethylhexyl)phtha...	21.586	149	4788368	71.363	ng	98
85) Di-n-octyl phthalate	22.886	149	7825427	72.964	ng	100
87) Indeno(1,2,3-cd)pyrene	28.951	276	8887645m	62.364	ng	
88) Benzo(b)fluoranthene	23.998	252	7606878	59.798	ng	99
89) Benzo(k)fluoranthene	24.068	252	7515459	60.696	ng	99
90) Benzo(a)pyrene	24.915	252	6723161	62.275	ng	99
91) Dibenzo(a,h)anthracene	29.056	278	7370514	61.510	ng	99
92) Benzo(g,h,i)perylene	30.156	276	7489359	61.593	ng	99

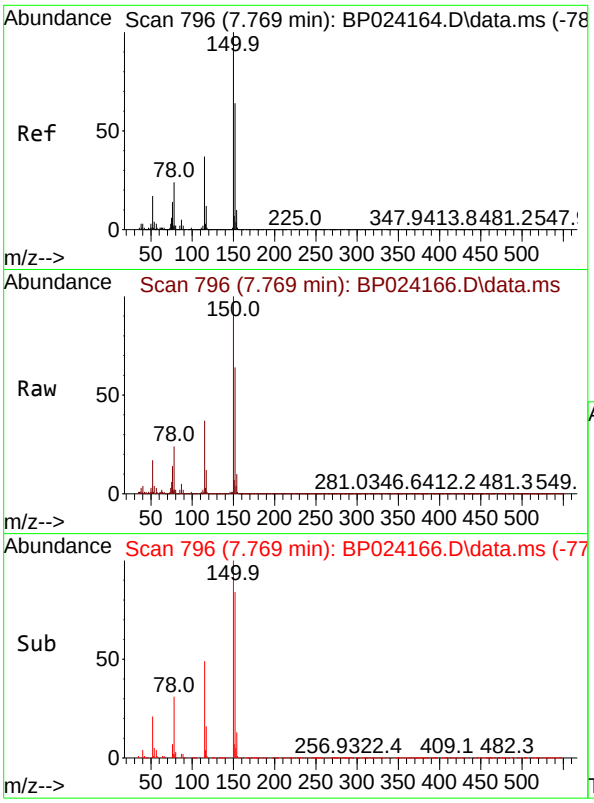
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024166.D
Acq On : 12 Mar 2025 20:21
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Quant Time: Mar 13 04:09:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration



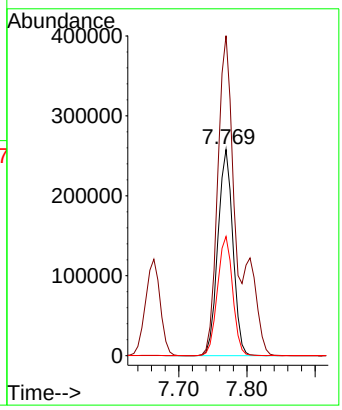


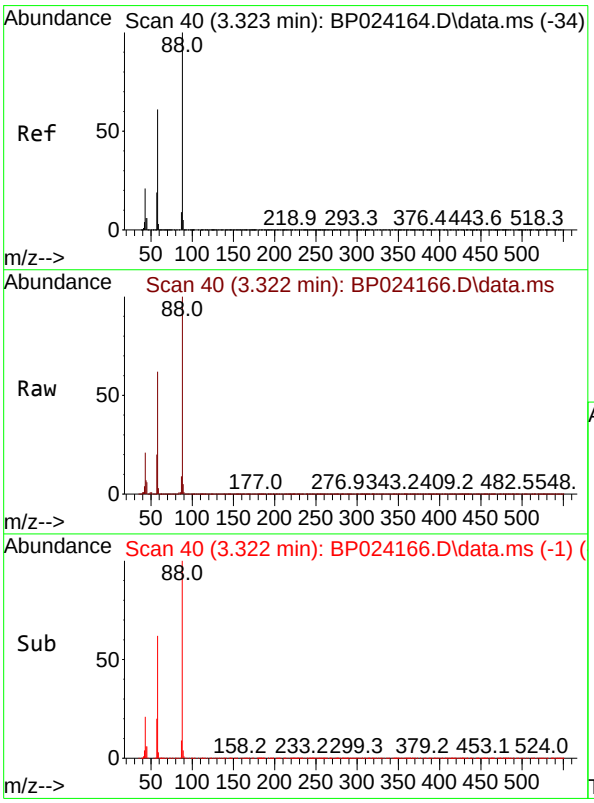
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 394376

Ion	Ratio	Lower	Upper
152	100		
150	155.1	125.5	188.3
115	57.8	46.3	69.5

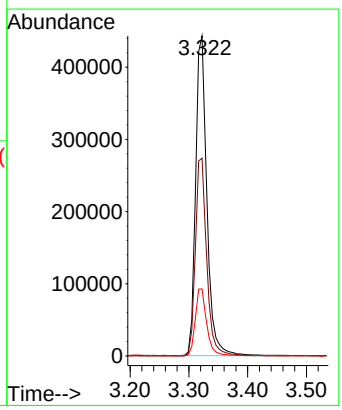


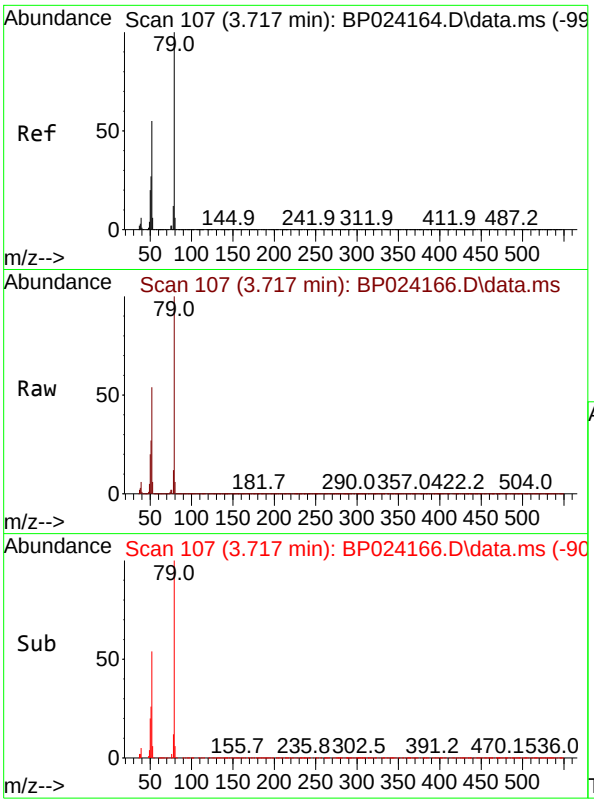


#2
1,4-Dioxane
Concen: 59.385 ng
RT: 3.322 min Scan# 40
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion: 88 Resp: 588784

Ion	Ratio	Lower	Upper
88	100		
58	62.5	49.8	74.6
43	21.3	17.3	25.9



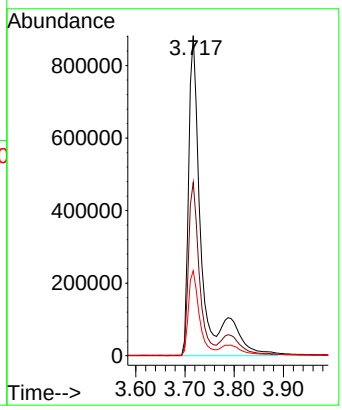


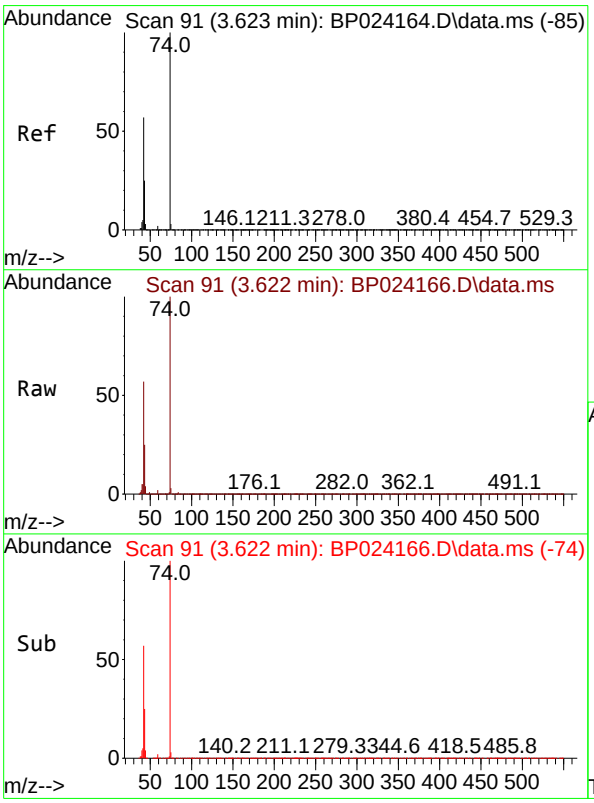
#3
Pyridine
Concen: 64.153 ng m
RT: 3.717 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 1653707

Ion	Ratio	Lower	Upper
79	100		
52	54.2	43.8	65.8
51	26.6	21.6	32.4

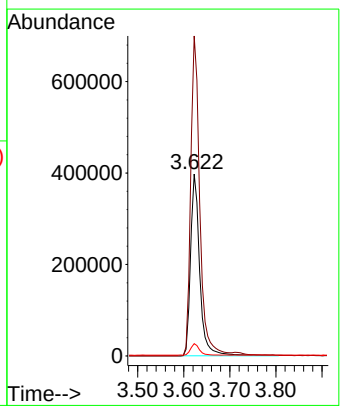


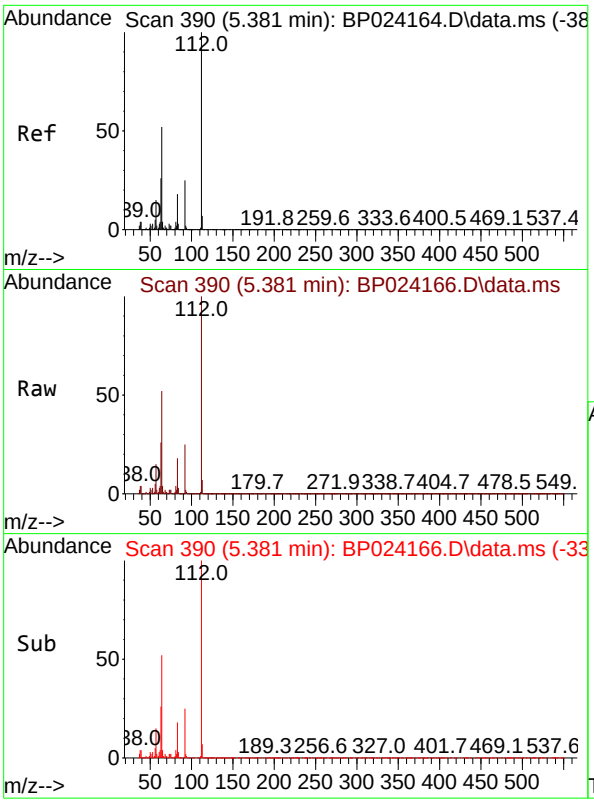


#4
n-Nitrosodimethylamine
Concen: 60.270 ng
RT: 3.622 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion: 42 Resp: 551093

Ion	Ratio	Lower	Upper
42	100		
74	175.9	139.8	209.6
44	6.8	5.3	7.9



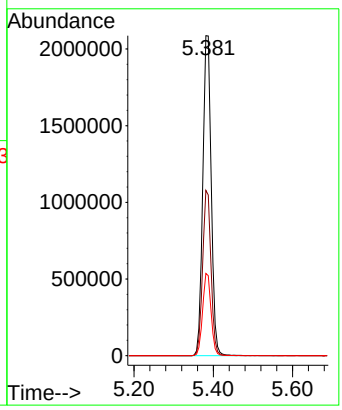


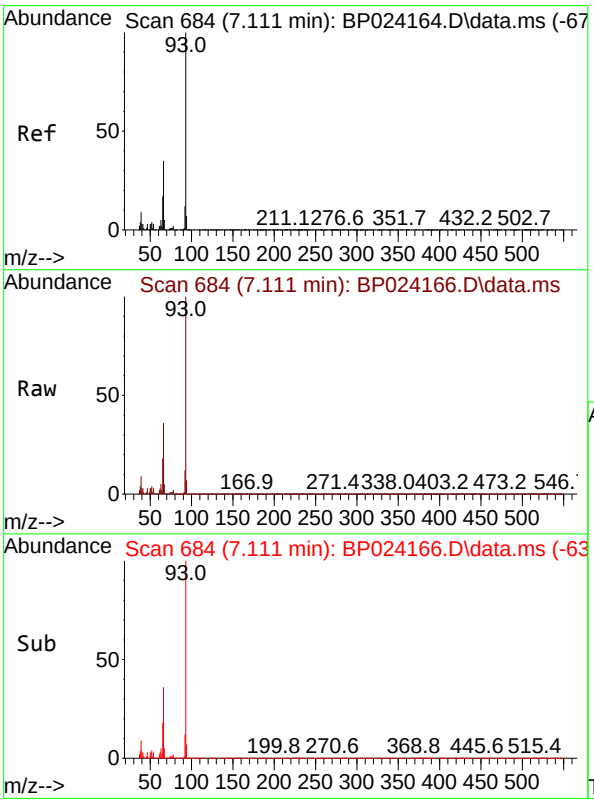
#5
2-Fluorophenol
Concen: 122.332 ng
RT: 5.381 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 3091896

Ion	Ratio	Lower	Upper
112	100		
64	51.7	41.3	61.9
63	25.7	20.6	31.0

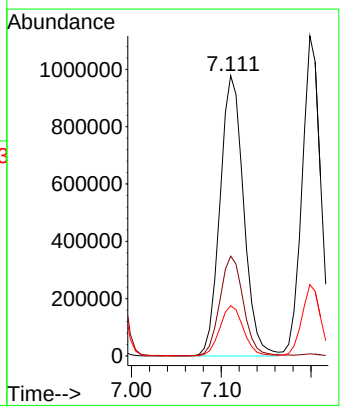


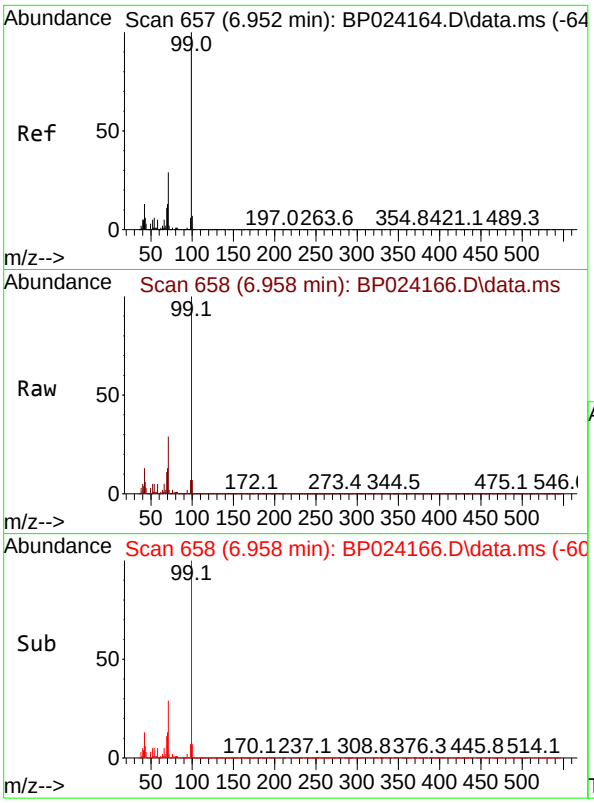


#6
Aniline
Concen: 60.115 ng
RT: 7.111 min Scan# 684
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion: 93 Resp: 1788370

Ion	Ratio	Lower	Upper
93	100		
66	35.6	28.2	42.2
65	17.9	14.0	21.0



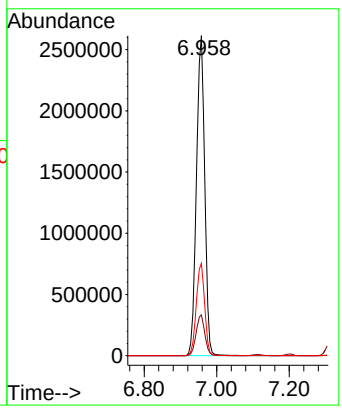


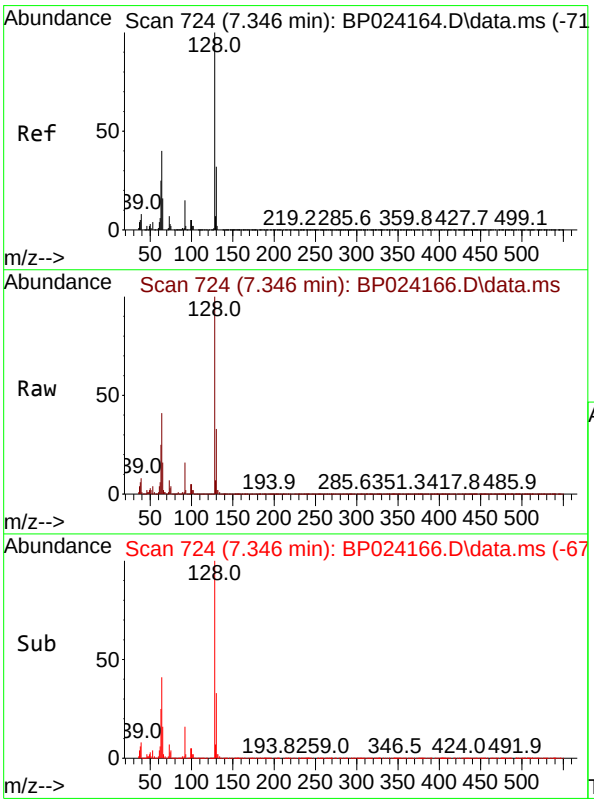
#7
Phenol-d6
Concen: 127.785 ng
RT: 6.958 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 4151063

Ion	Ratio	Lower	Upper
99	100		
42	12.7	10.6	16.0
71	28.9	23.3	34.9

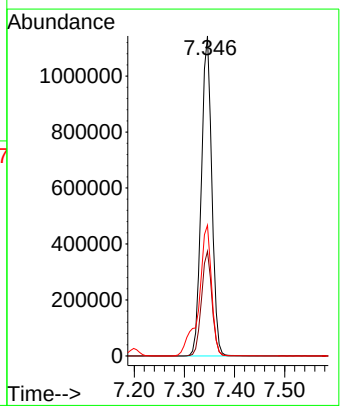


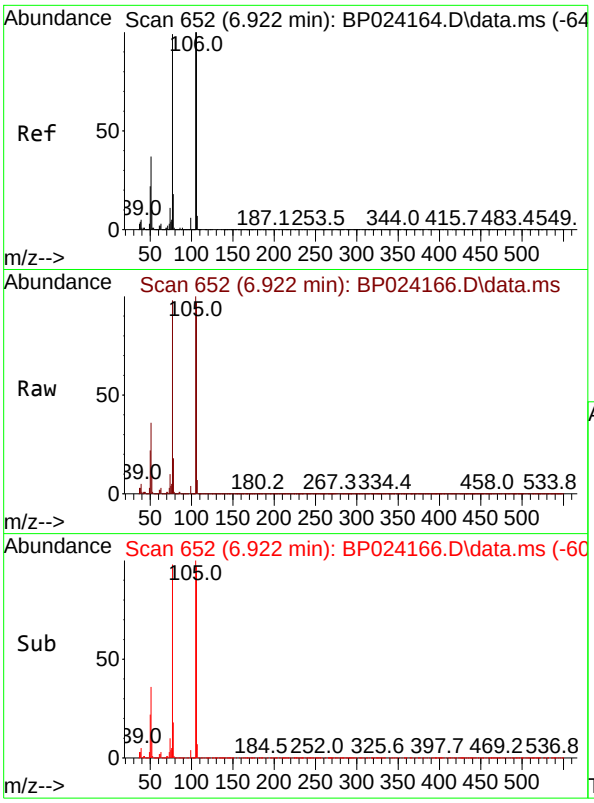


#8
2-Chlorophenol
Concen: 61.919 ng
RT: 7.346 min Scan# 724
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:128 Resp: 1656453

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.0	52.0
64	40.9	21.6	61.6



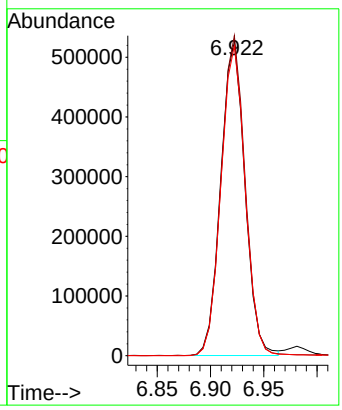


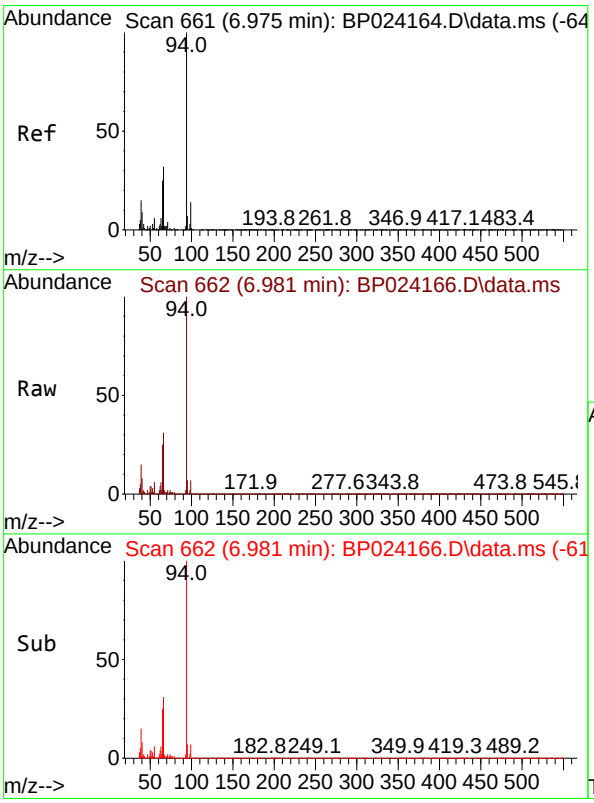
#9
Benzaldehyde
Concen: 55.995 ng
RT: 6.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 830475

Ion	Ratio	Lower	Upper
77	100		
105	102.0	81.4	121.4
106	98.7	81.1	121.1

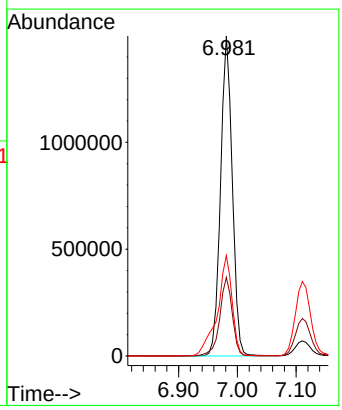


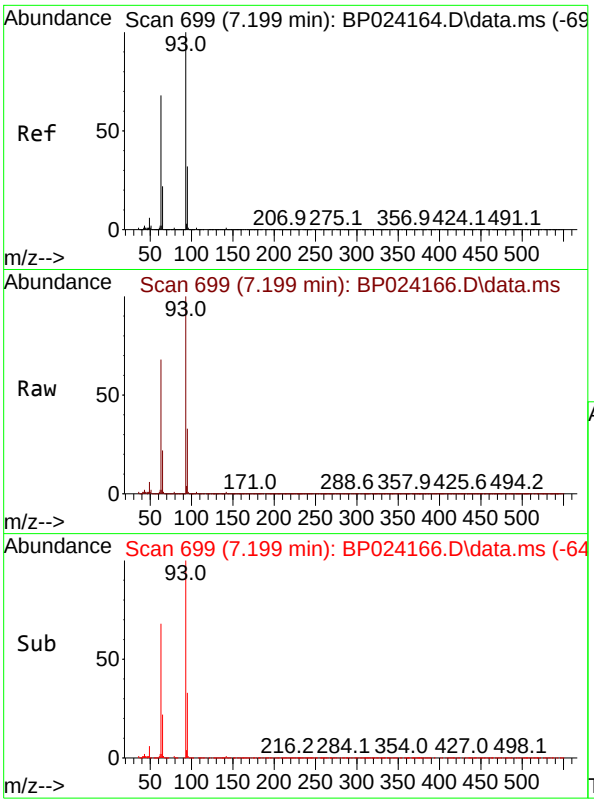


#10
Phenol
Concen: 63.448 ng
RT: 6.981 min Scan# 662
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion: 94 Resp: 2072585

Ion	Ratio	Lower	Upper
94	100		
65	24.5	4.9	44.9
66	31.3	11.9	51.9



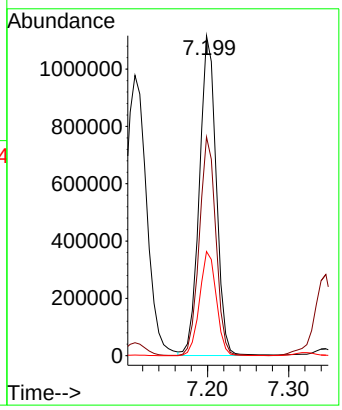


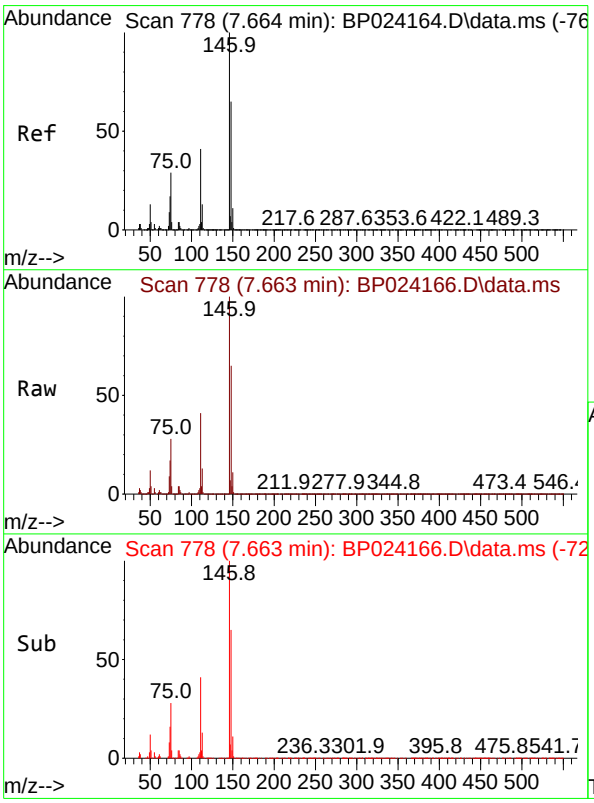
#11
bis(2-Chloroethyl)ether
Concen: 62.425 ng
RT: 7.199 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 1606110

Ion	Ratio	Lower	Upper
93	100		
63	68.3	47.4	87.4
95	32.6	12.1	52.1

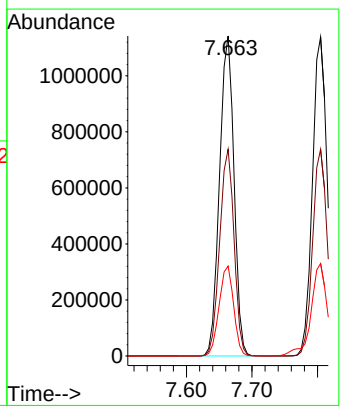


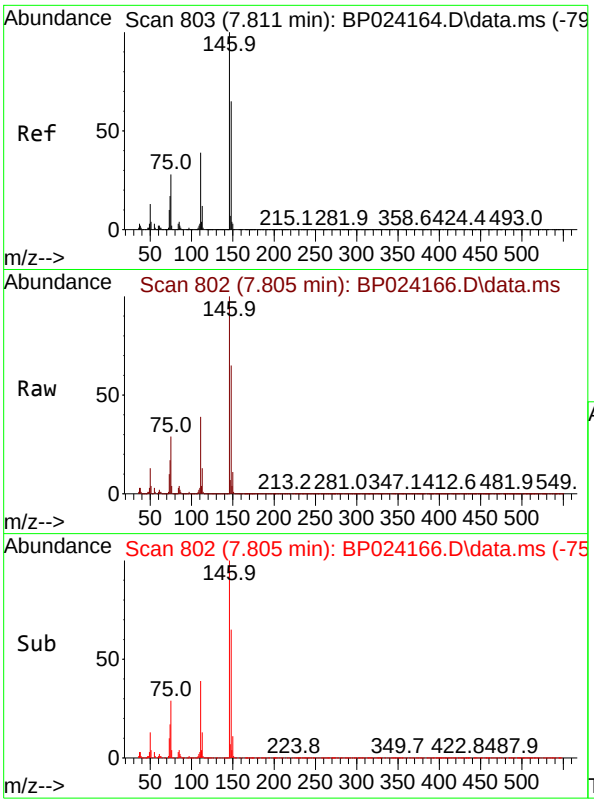


#12
1,3-Dichlorobenzene
Concen: 59.234 ng
RT: 7.663 min Scan# 778
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:146 Resp: 1740829

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.6	77.4
75	28.1	22.8	34.2



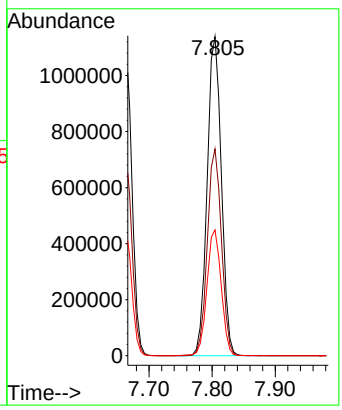


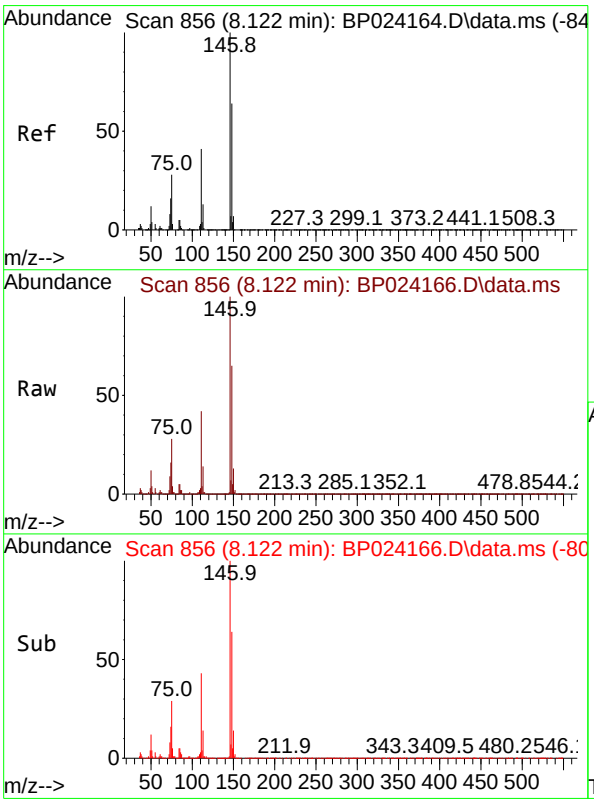
#13
1,4-Dichlorobenzene
Concen: 59.836 ng
RT: 7.805 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 1778400

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.9	77.9
111	39.4	31.4	47.2

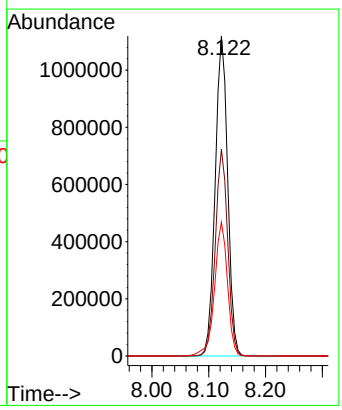


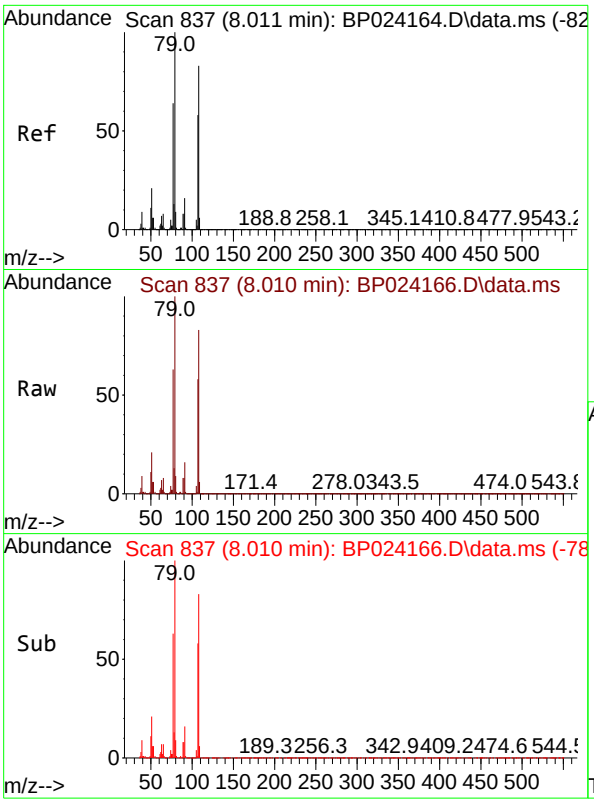


#14
1,2-Dichlorobenzene
Concen: 59.737 ng
RT: 8.122 min Scan# 856
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:146 Resp: 1703894

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.4	77.2
111	41.8	33.2	49.8



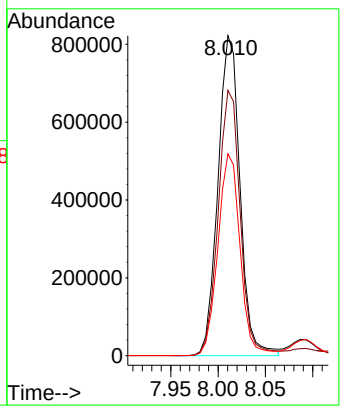


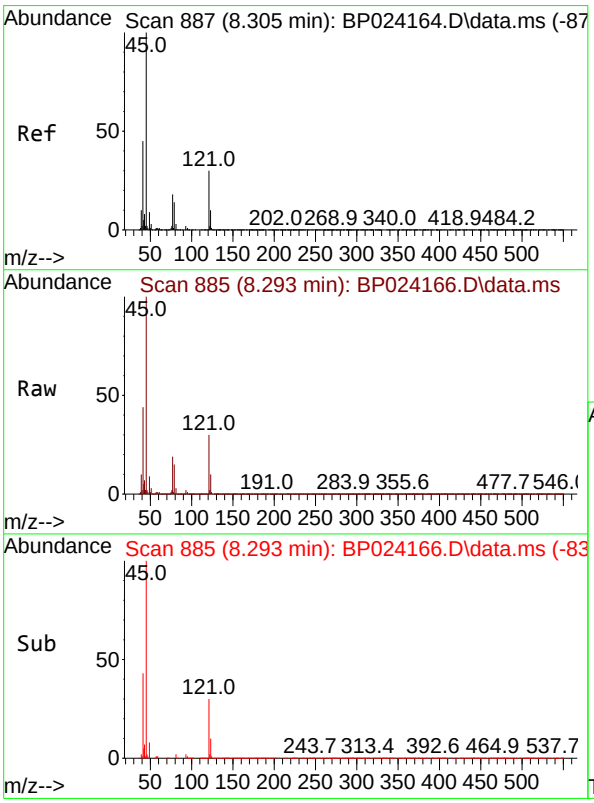
#15
Benzyl Alcohol
Concen: 67.021 ng
RT: 8.010 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 1332675

Ion	Ratio	Lower	Upper
79	100		
108	82.9	66.5	99.7
77	63.1	50.9	76.3

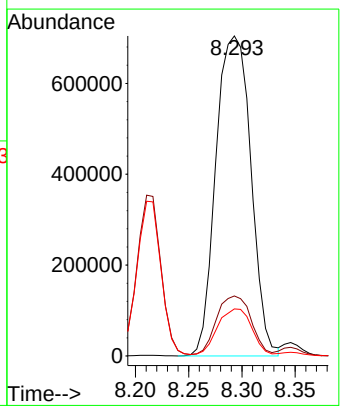


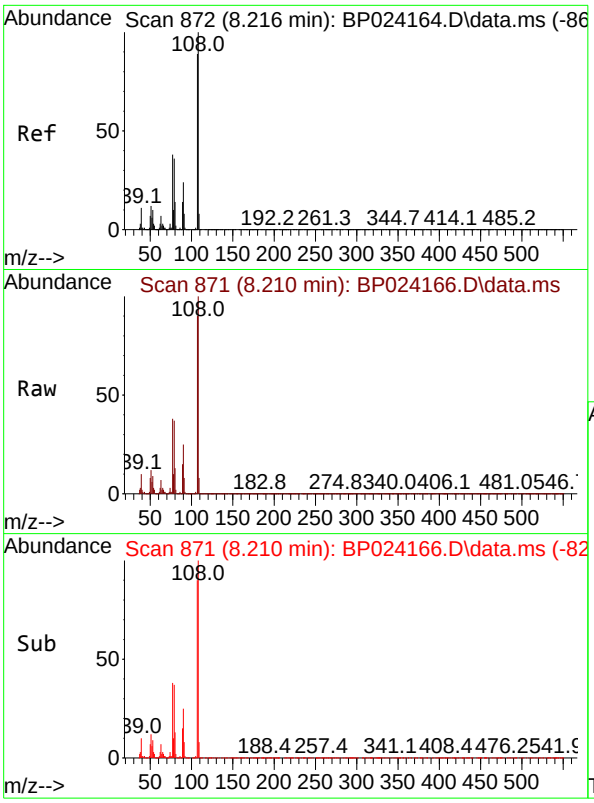


#16
2,2'-oxybis(1-Chloropropane)
Concen: 64.502 ng
RT: 8.293 min Scan# 885
Delta R.T. -0.012 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion: 45 Resp: 1610981

Ion	Ratio	Lower	Upper
45	100		
77	18.8	0.0	39.0
79	14.7	0.0	35.6



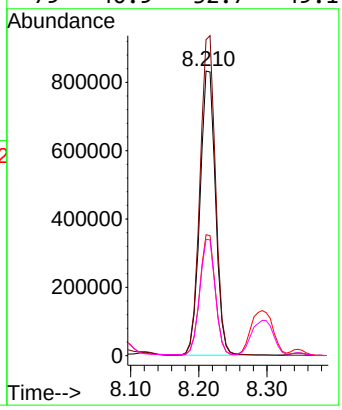


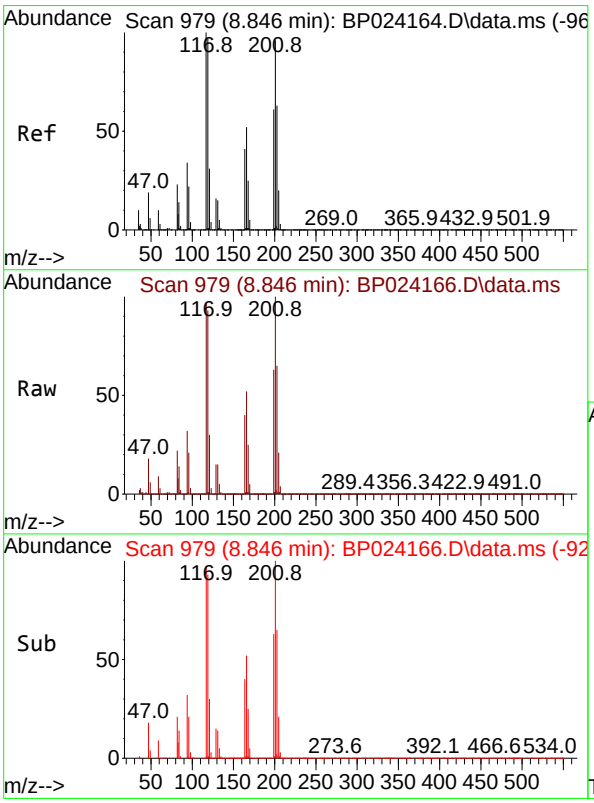
#17
2-Methylphenol
Concen: 66.132 ng
RT: 8.210 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 1316438

Ion	Ratio	Lower	Upper
107	100		
108	111.0	90.0	135.0
77	42.5	34.0	51.0
79	40.9	32.7	49.1

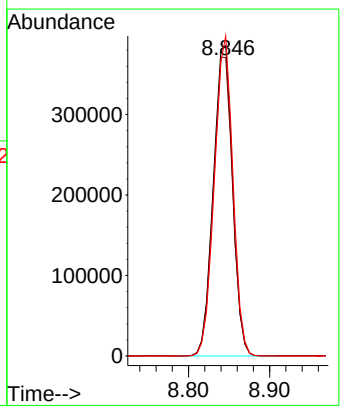


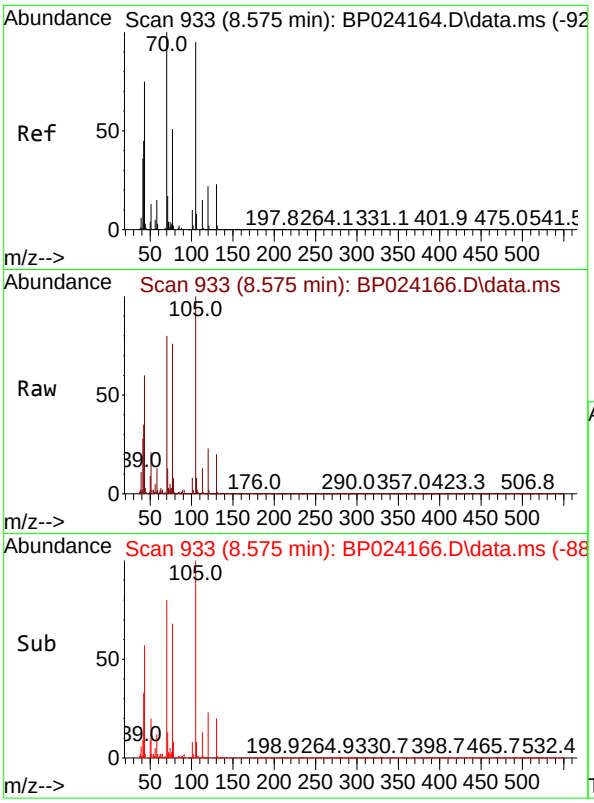


#18
Hexachloroethane
Concen: 59.498 ng
RT: 8.846 min Scan# 979
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:117 Resp: 636840

Ion	Ratio	Lower	Upper
117	100		
119	96.0	77.4	116.0
201	103.0	76.6	114.8



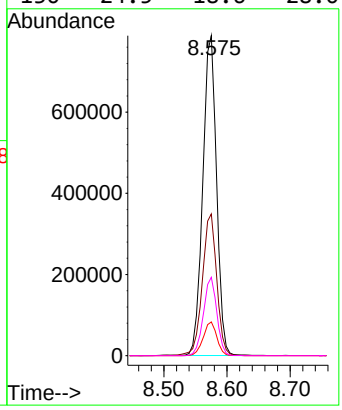


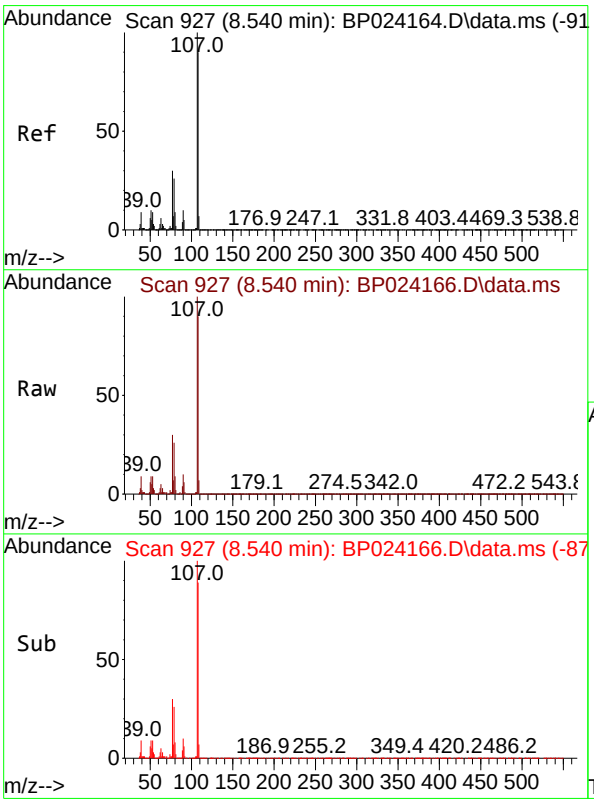
#19
n-Nitroso-di-n-propylamine
Concen: 68.227 ng
RT: 8.575 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 1191669

Ion	Ratio	Lower	Upper
70	100		
42	44.3	36.0	54.0
101	10.6	8.3	12.5
130	24.5	18.6	28.0

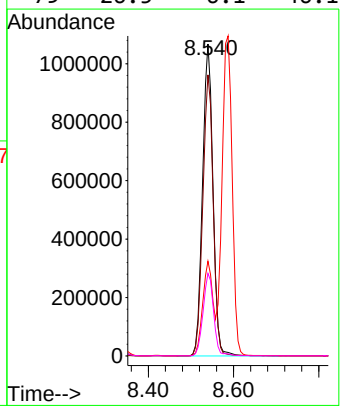


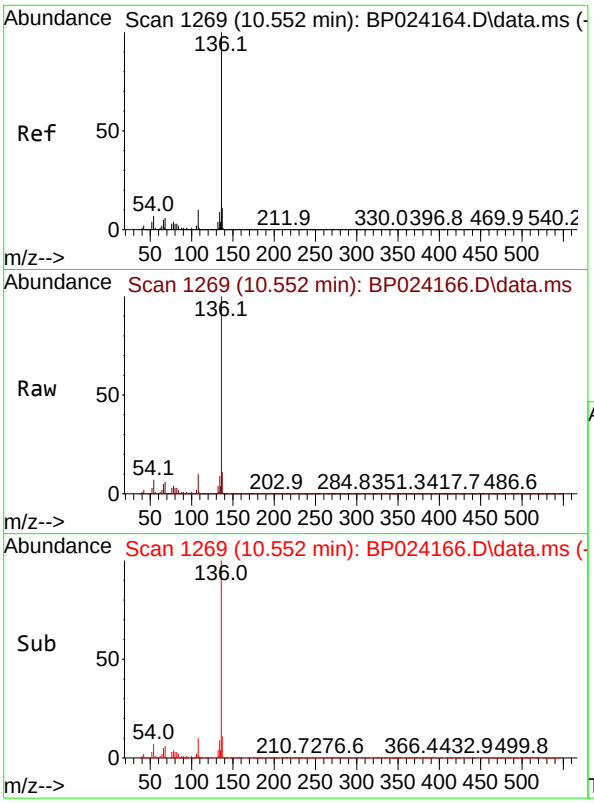


#20
3+4-Methylphenols
Concen: 66.838 ng
RT: 8.540 min Scan# 927
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:107 Resp: 1809984

Ion	Ratio	Lower	Upper
107	100		
108	90.1	69.7	109.7
77	30.4	10.3	50.3
79	26.5	6.1	46.1



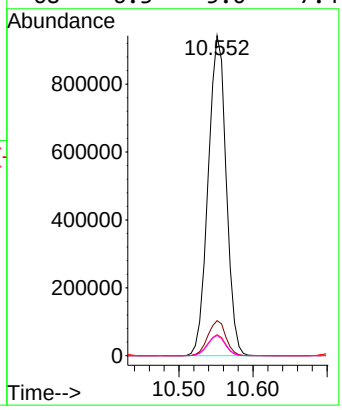


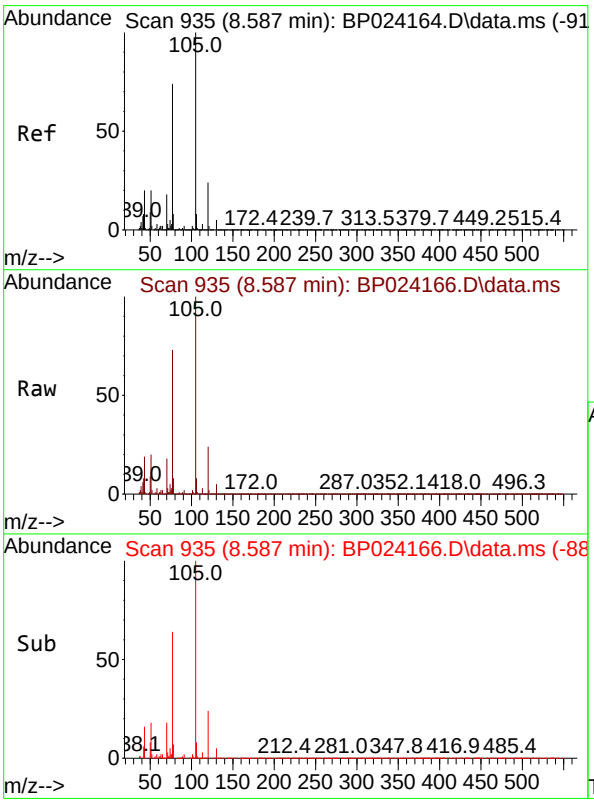
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.552 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 1591612

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	6.5	5.3	7.9
68	6.3	5.0	7.4

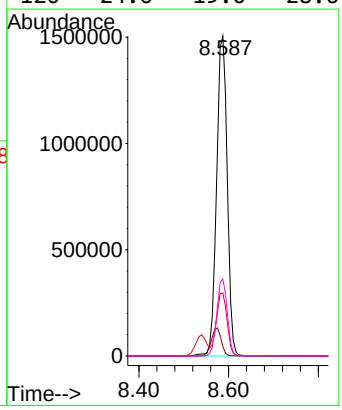


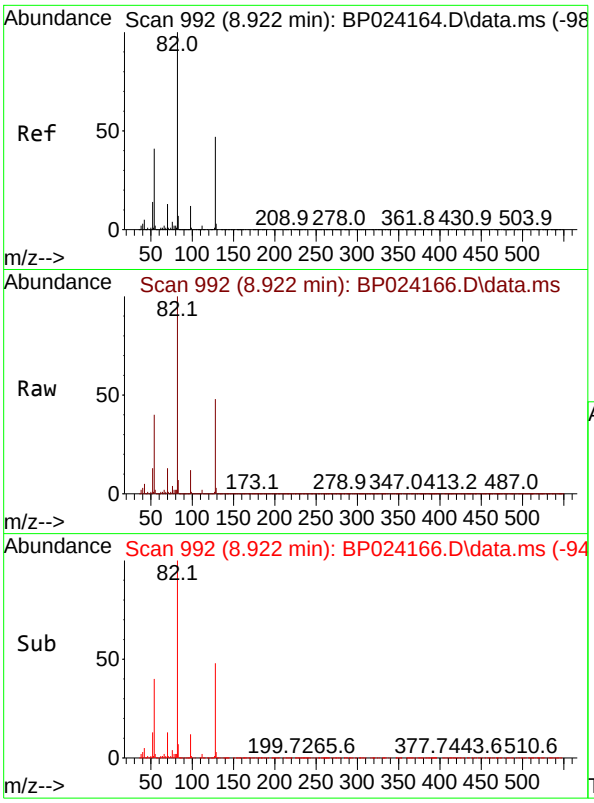


#22
Acetophenone
Concen: 60.600 ng
RT: 8.587 min Scan# 935
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:105 Resp: 2478568

Ion	Ratio	Lower	Upper
105	100		
71	3.0	2.4	3.6
51	19.7	16.2	24.2
120	24.0	19.0	28.6



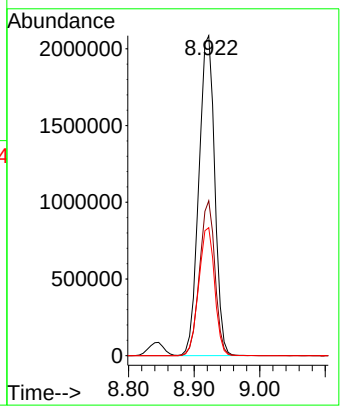


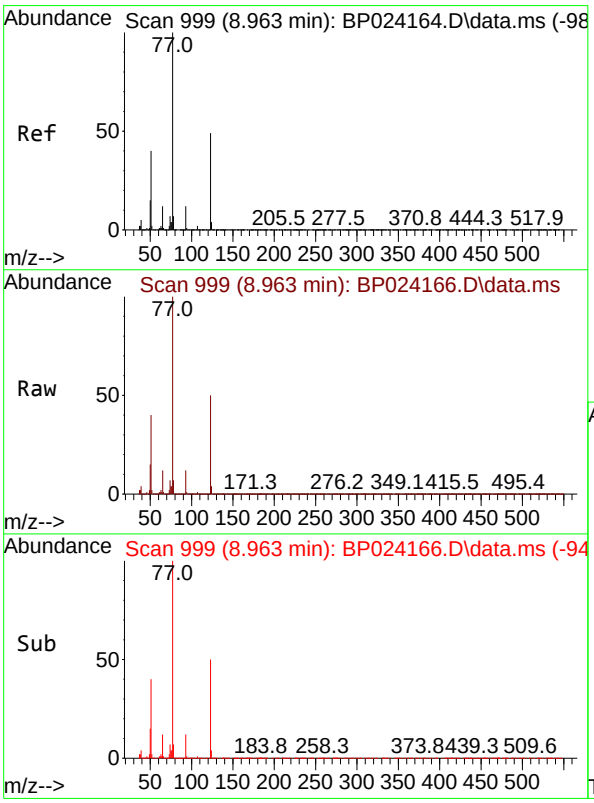
#23
Nitrobenzene-d5
Concen: 123.247 ng
RT: 8.922 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 3516139

Ion	Ratio	Lower	Upper
82	100		
128	48.4	37.4	56.0
54	40.0	32.5	48.7

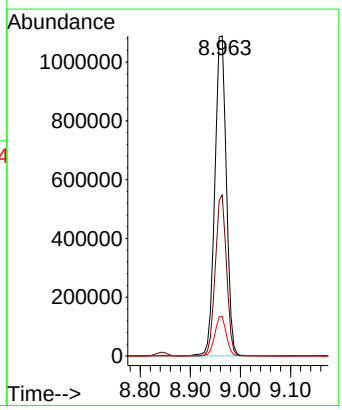


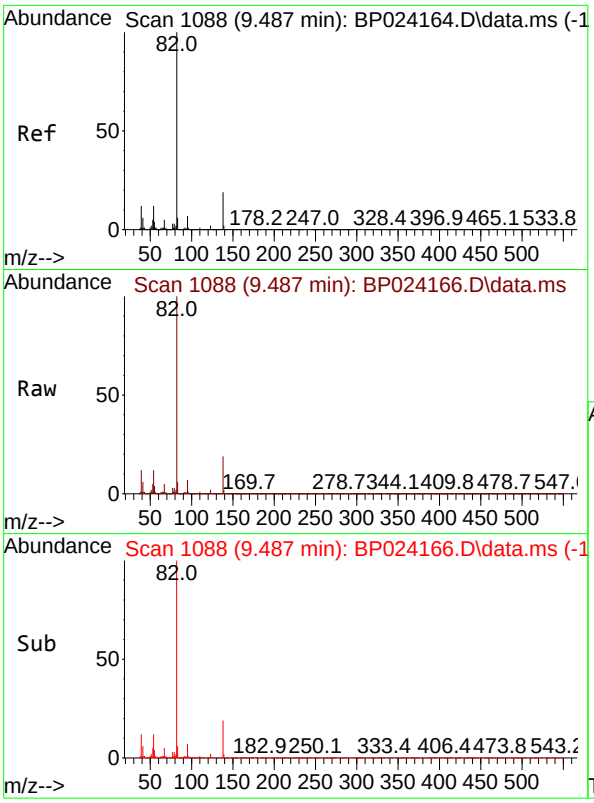


#24
Nitrobenzene
Concen: 61.673 ng
RT: 8.963 min Scan# 999
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion: 77 Resp: 1731589

Ion	Ratio	Lower	Upper
77	100		
123	50.3	39.4	59.2
65	12.3	9.9	14.9



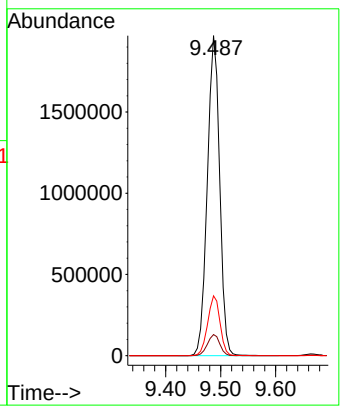


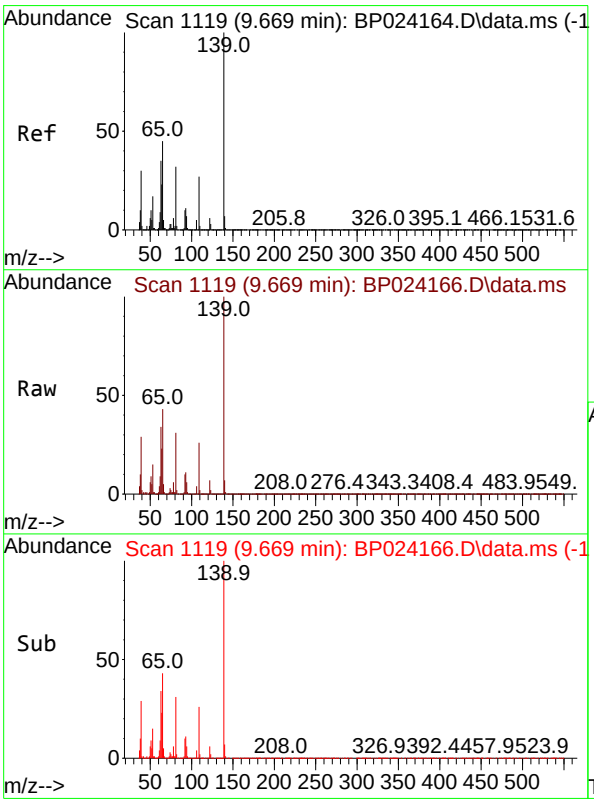
#25
Isophorone
Concen: 65.658 ng
RT: 9.487 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 3063158

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.3	7.9
138	18.7	14.8	22.2

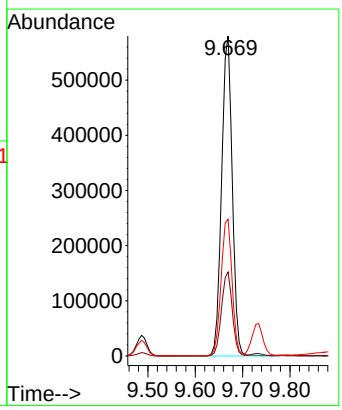


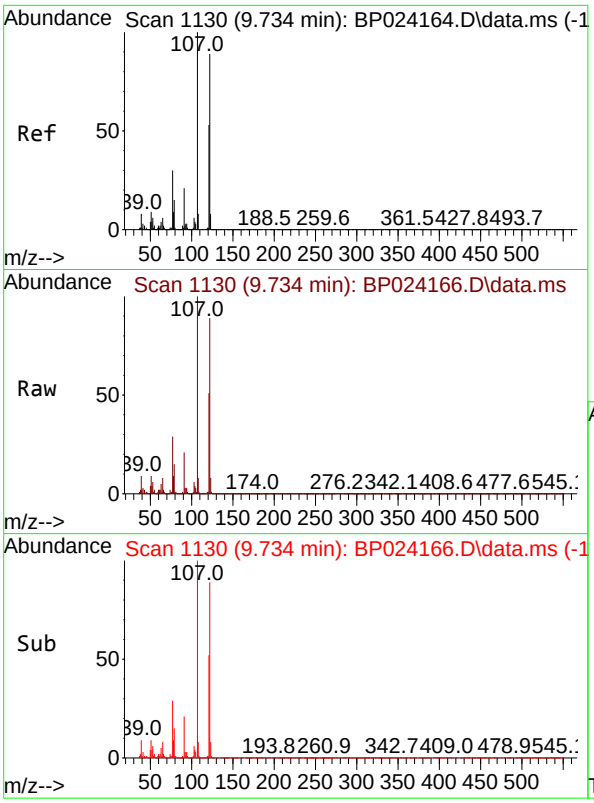


#26
2-Nitrophenol
Concen: 69.941 ng
RT: 9.669 min Scan# 1119
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:139 Resp: 904714

Ion	Ratio	Lower	Upper
139	100		
109	26.2	21.7	32.5
65	42.7	35.8	53.8



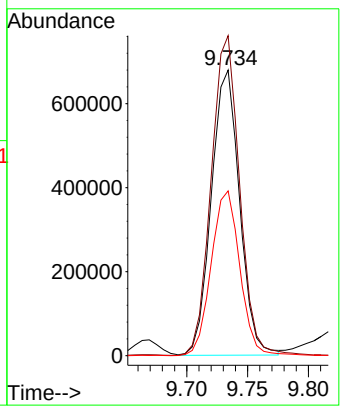


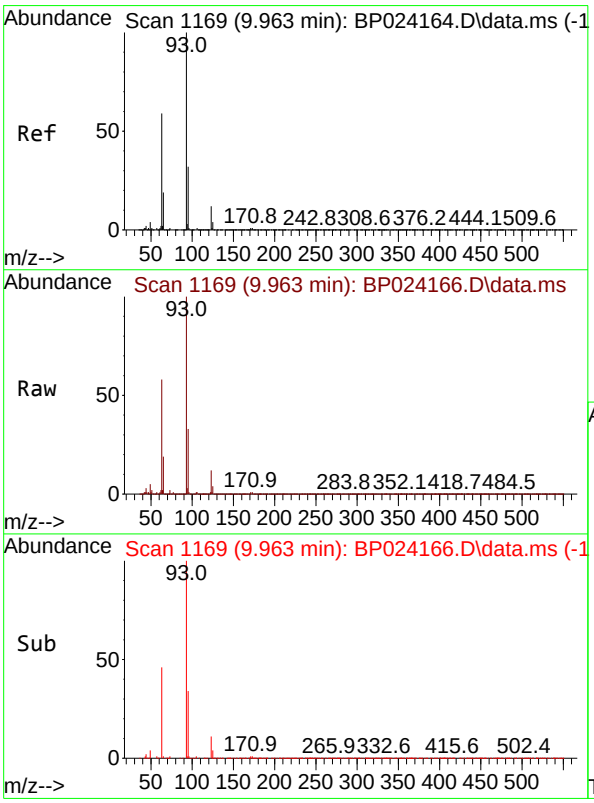
#27
2,4-Dimethylphenol
Concen: 64.534 ng
RT: 9.734 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 1095778

Ion	Ratio	Lower	Upper
122	100		
107	112.0	89.3	133.9
121	57.7	47.5	71.3

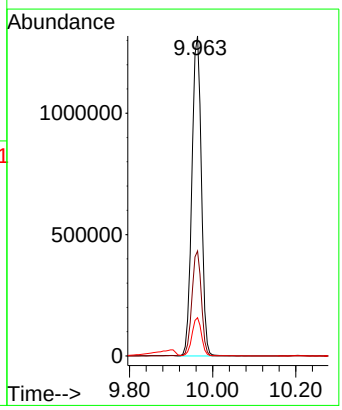


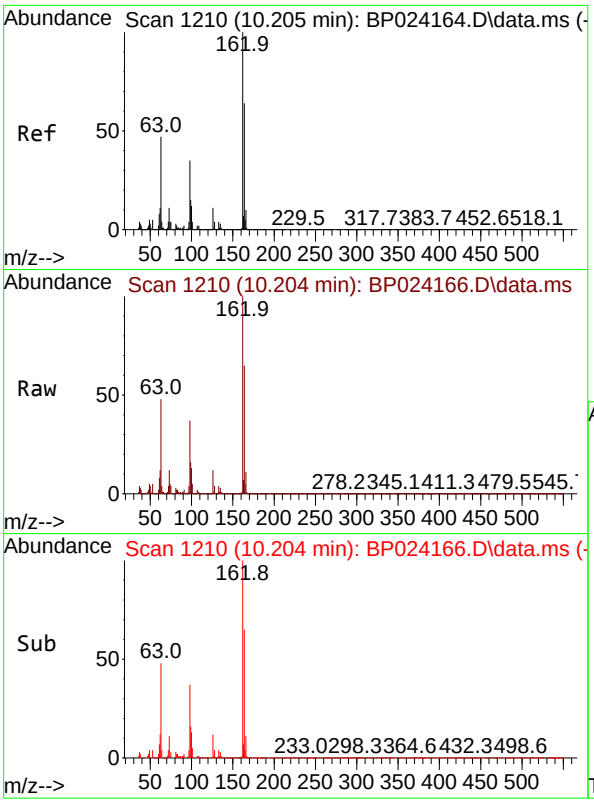


#28
bis(2-Chloroethoxy)methane
Concen: 61.742 ng
RT: 9.963 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion: 93 Resp: 2086687

Ion	Ratio	Lower	Upper
93	100		
95	32.8	25.9	38.9
123	12.0	9.5	14.3



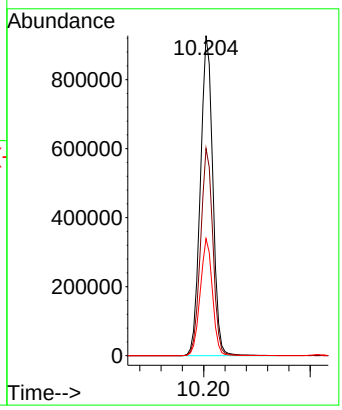


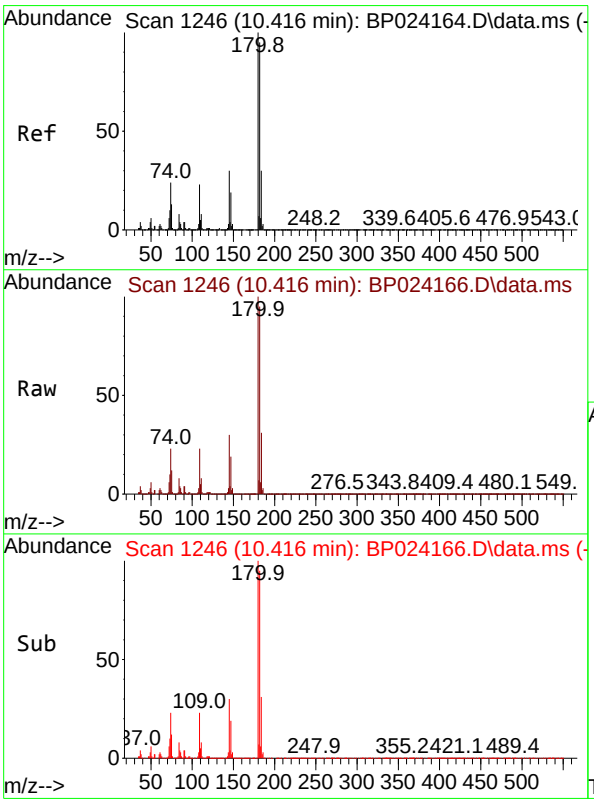
#29
2,4-Dichlorophenol
Concen: 64.609 ng
RT: 10.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 1497152

Ion	Ratio	Lower	Upper
162	100		
164	64.8	44.2	84.2
98	36.6	15.1	55.1

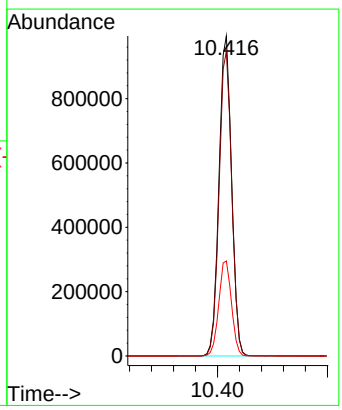


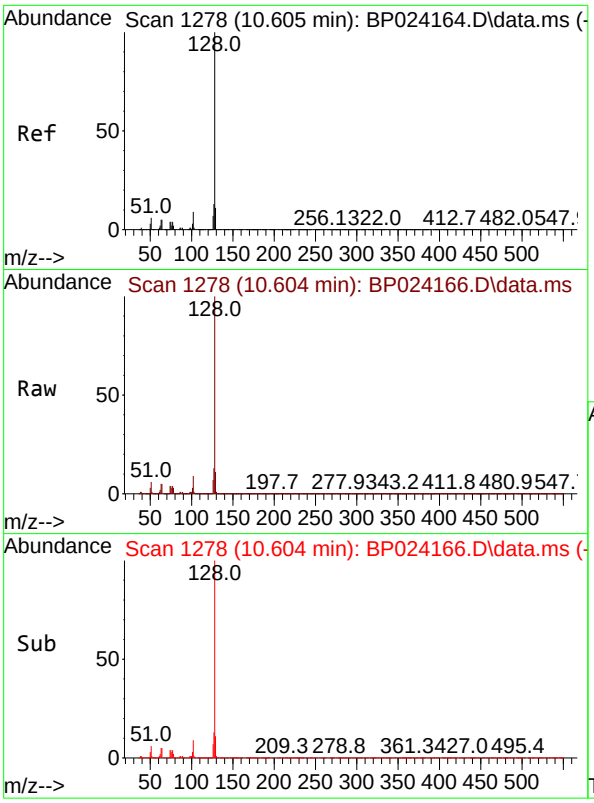


#30
1,2,4-Trichlorobenzene
Concen: 59.453 ng
RT: 10.416 min Scan# 1246
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:180 Resp: 1578453

Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.1	114.1
145	29.7	24.2	36.2



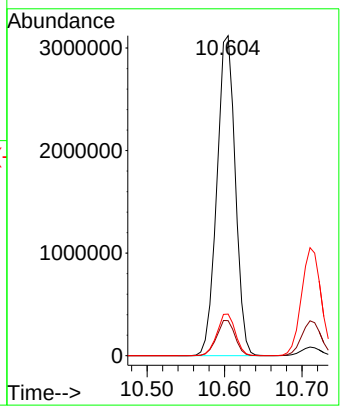


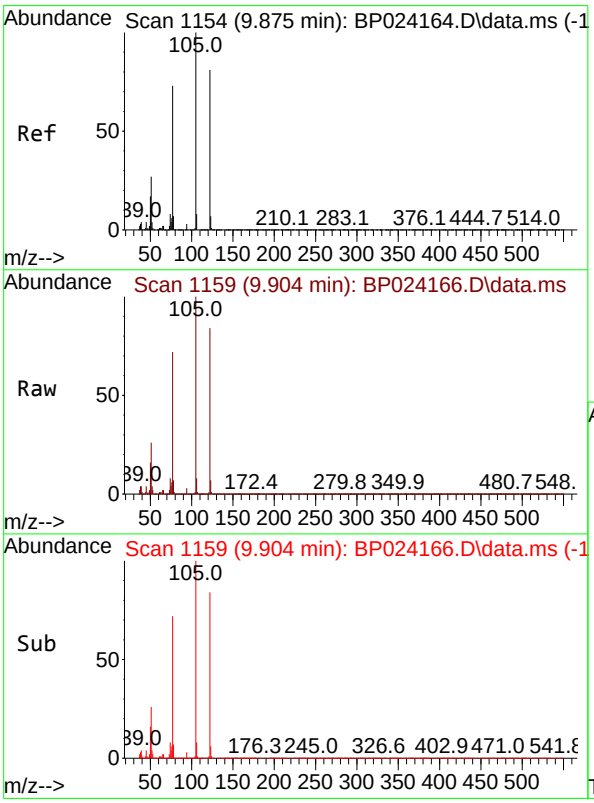
#31
Naphthalene
Concen: 60.129 ng
RT: 10.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 5145859

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	13.0	10.4	15.6

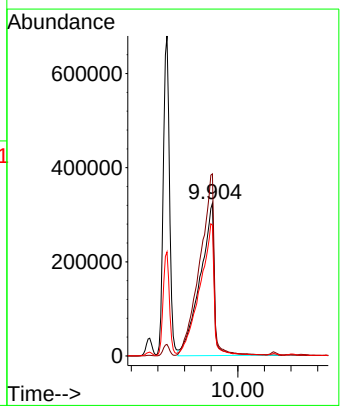


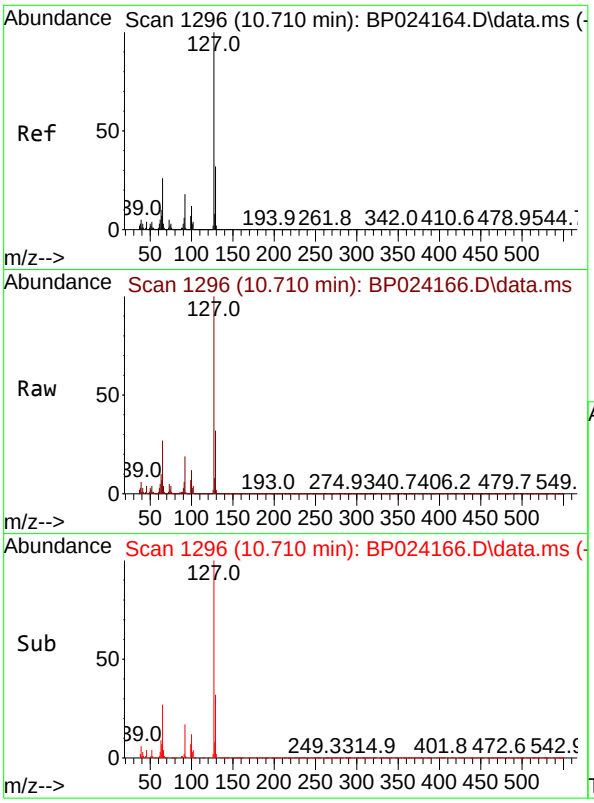


#32
Benzoic acid
Concen: 77.325 ng
RT: 9.904 min Scan# 1159
Delta R.T. 0.029 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:122 Resp: 1203679

Ion	Ratio	Lower	Upper
122	100		
105	119.3	100.3	140.3
77	85.8	69.1	109.1



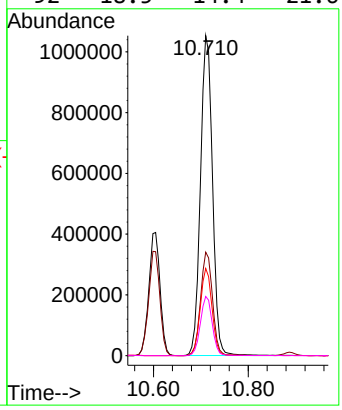


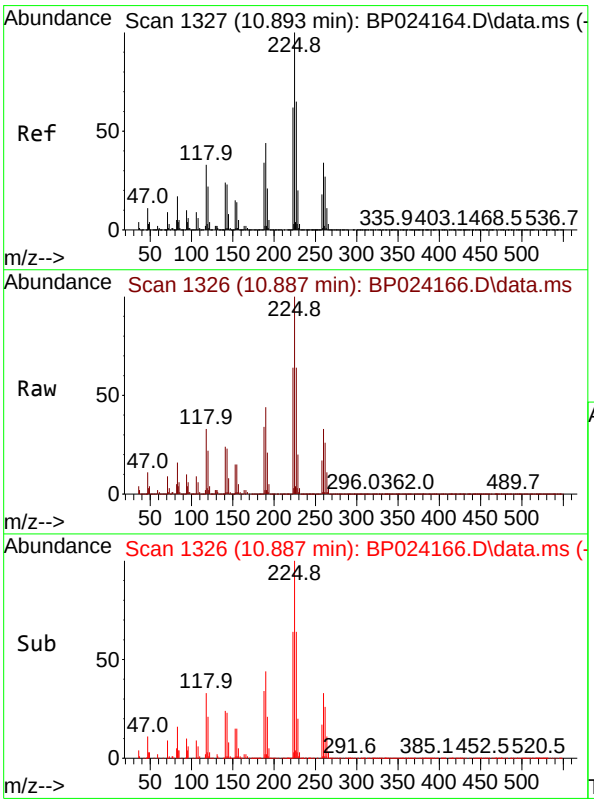
#33
4-Chloroaniline
Concen: 61.665 ng
RT: 10.710 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 1859148

Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.8	38.6
65	27.3	21.2	31.8
92	18.5	14.4	21.6

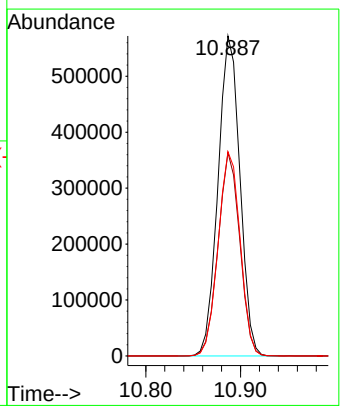


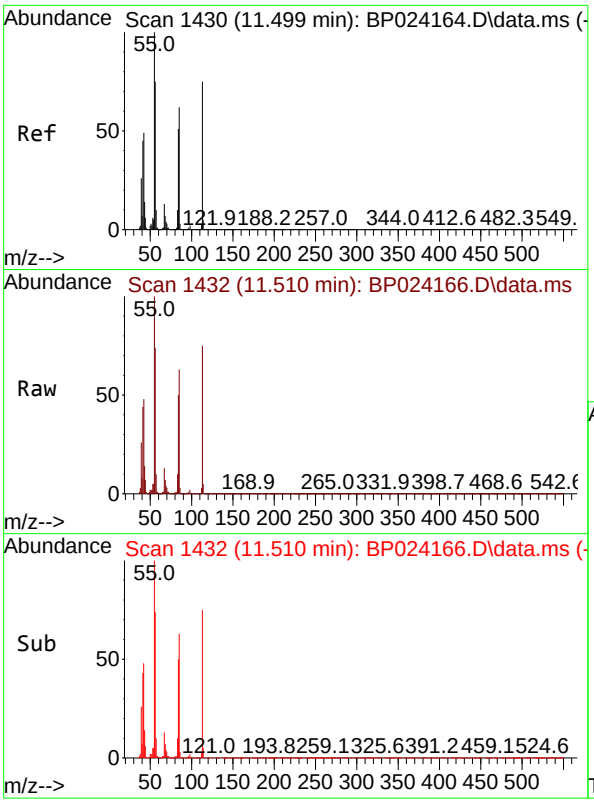


#34
Hexachlorobutadiene
Concen: 59.699 ng
RT: 10.887 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:225 Resp: 918034

Ion	Ratio	Lower	Upper
225	100		
223	63.6	49.9	74.9
227	63.8	52.2	78.2



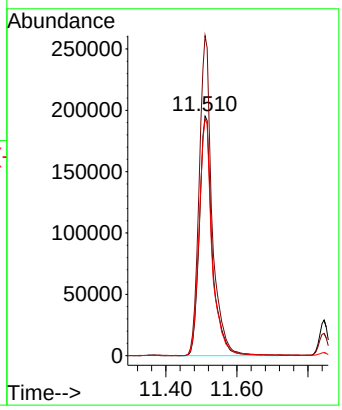


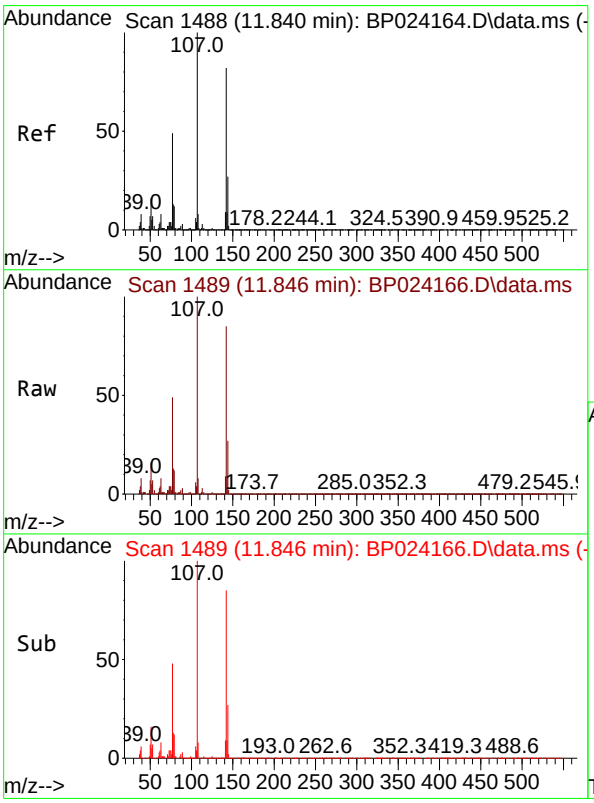
#35
Caprolactam
Concen: 70.784 ng
RT: 11.510 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 496683

Ion	Ratio	Lower	Upper
113	100		
55	133.6	113.6	153.6
56	98.8	80.0	120.0

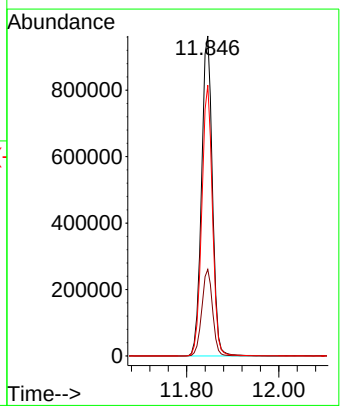


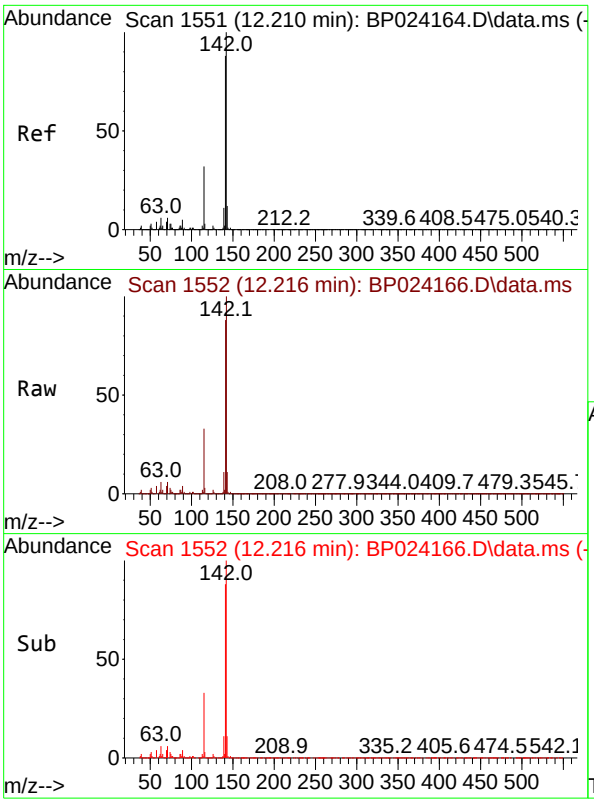


#36
4-Chloro-3-methylphenol
Concen: 66.451 ng
RT: 11.846 min Scan# 1489
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:107 Resp: 1582952

Ion	Ratio	Lower	Upper
107	100		
144	27.1	21.6	32.4
142	84.6	65.4	98.0



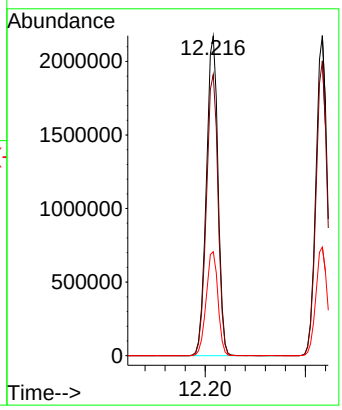


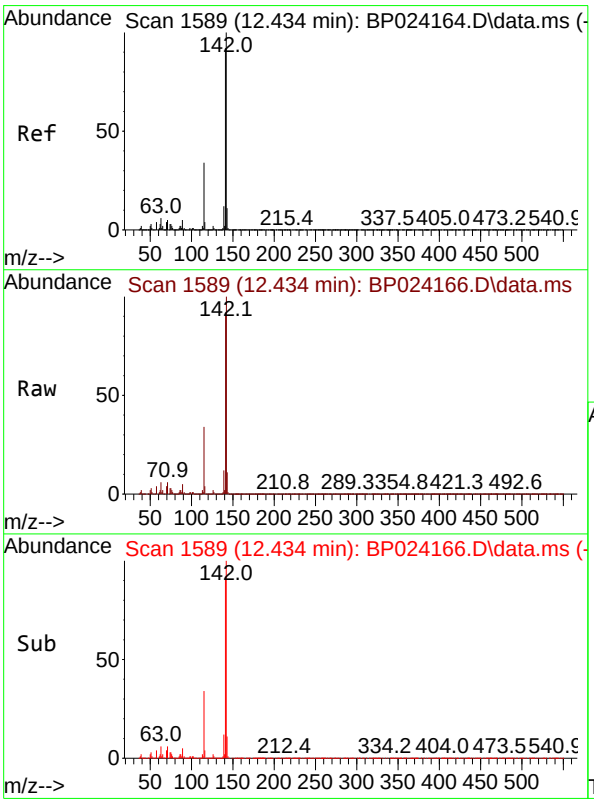
#37
2-Methylnaphthalene
Concen: 61.618 ng
RT: 12.216 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 3504891

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.3	105.5
115	32.6	26.0	39.0

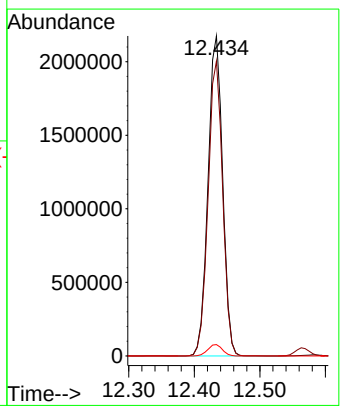


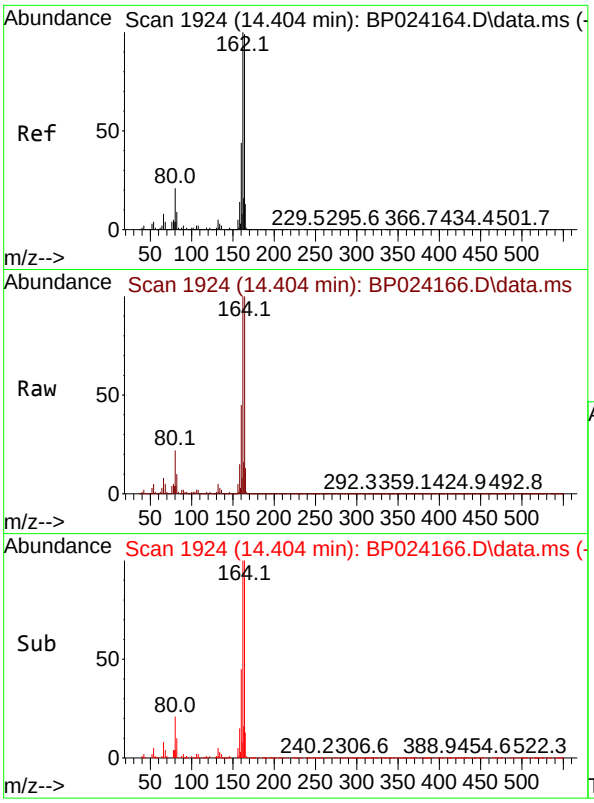


#38
1-Methylnaphthalene
Concen: 60.802 ng
RT: 12.434 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:142 Resp: 3364504

Ion	Ratio	Lower	Upper
142	100		
141	92.2	73.9	110.9
116	3.6	2.8	4.2



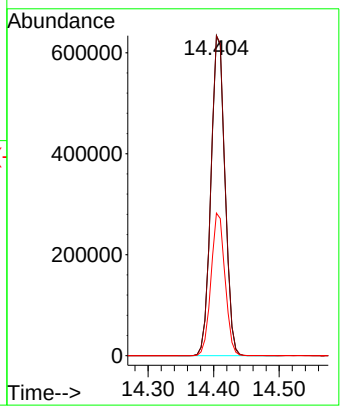


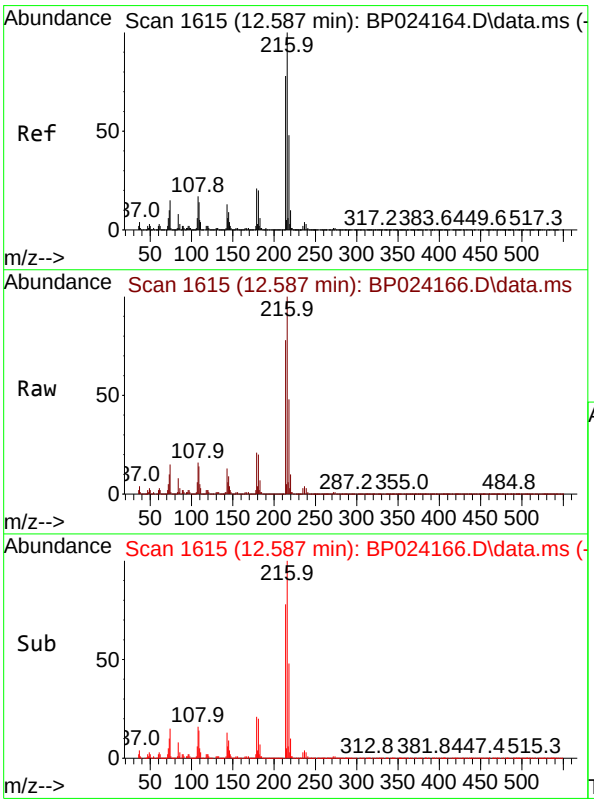
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.404 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 936110

Ion	Ratio	Lower	Upper
164	100		
162	100.0	80.6	121.0
160	44.5	35.4	53.2

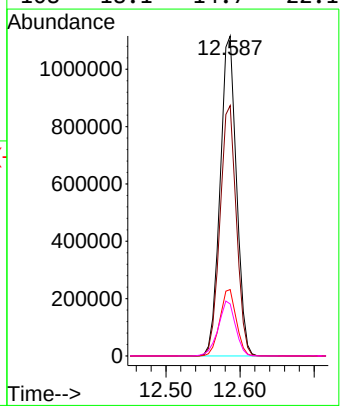


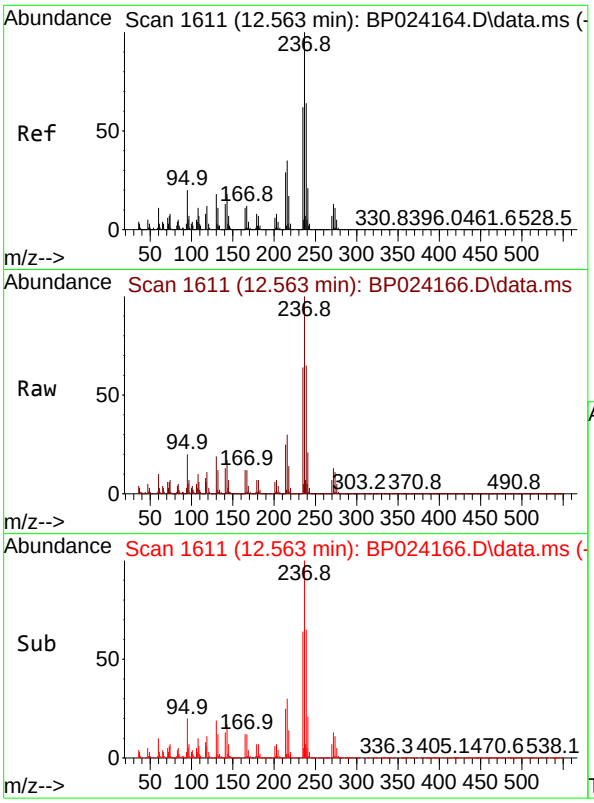


#40
1,2,4,5-Tetrachlorobenzene
Concen: 59.382 ng
RT: 12.587 min Scan# 1615
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:216 Resp: 1707961

Ion	Ratio	Lower	Upper
216	100		
214	78.5	62.8	94.2
179	20.9	16.8	25.2
108	18.1	14.7	22.1



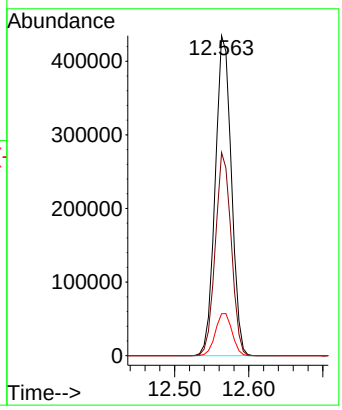


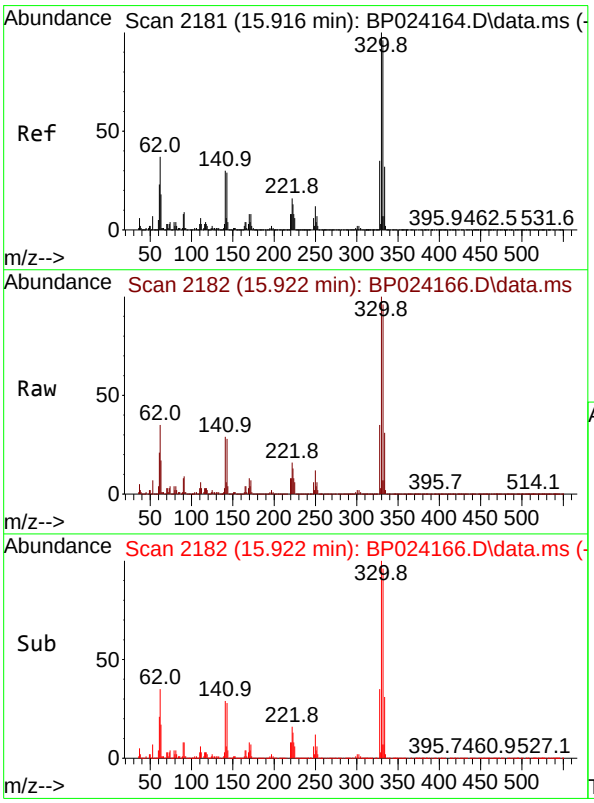
#41
Hexachlorocyclopentadiene
Concen: 61.365 ng
RT: 12.563 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 656781

Ion	Ratio	Lower	Upper
237	100		
235	63.5	41.8	81.8
272	13.1	0.0	33.5

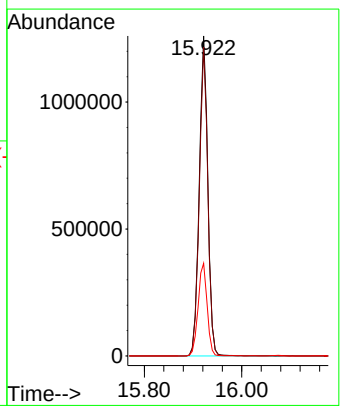


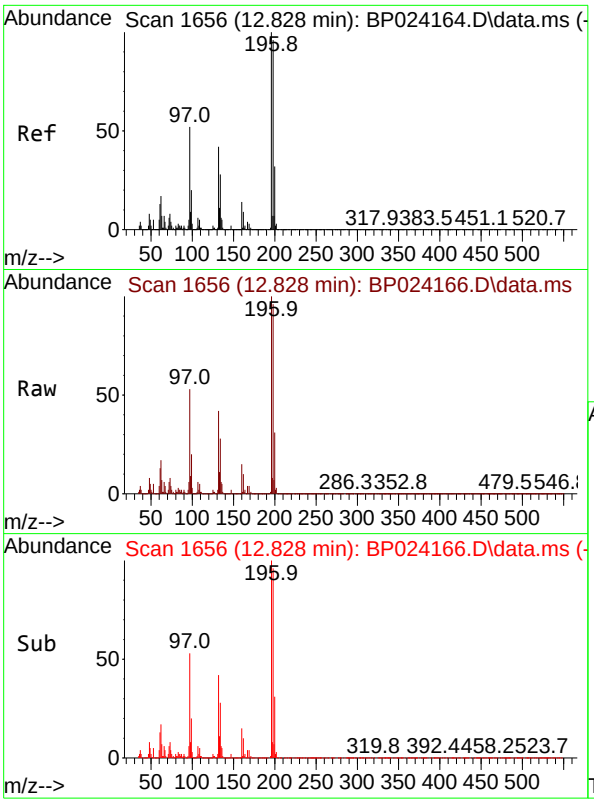


#42
2,4,6-Tribromophenol
Concen: 134.511 ng
RT: 15.922 min Scan# 2182
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:330 Resp: 1542341

Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.6	116.4
141	30.6	25.0	37.6



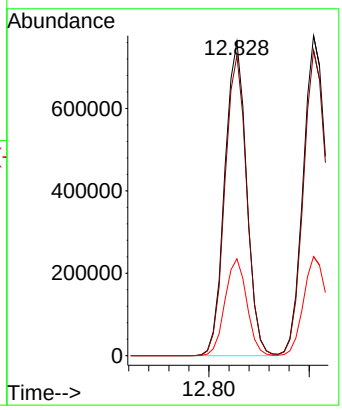


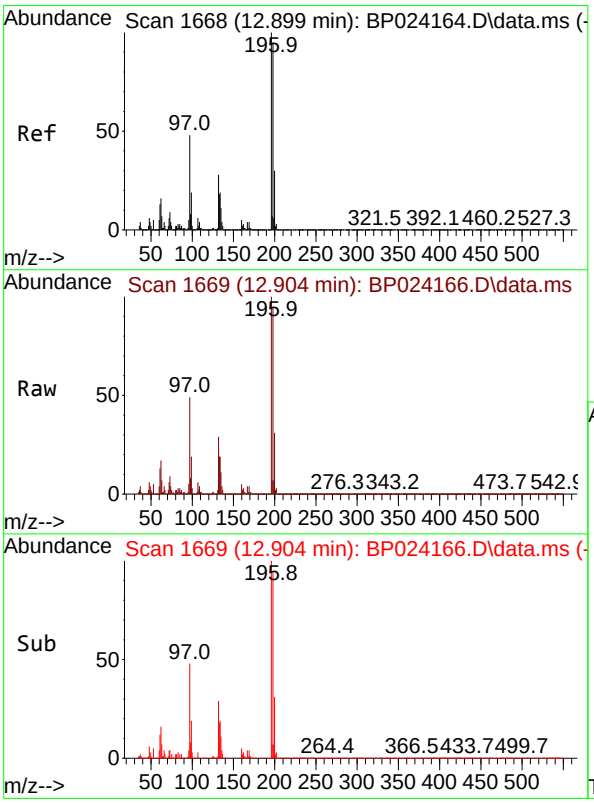
#43
2,4,6-Trichlorophenol
Concen: 65.478 ng
RT: 12.828 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 1148545

Ion	Ratio	Lower	Upper
196	100		
198	95.6	76.6	115.0
200	30.9	25.4	38.0

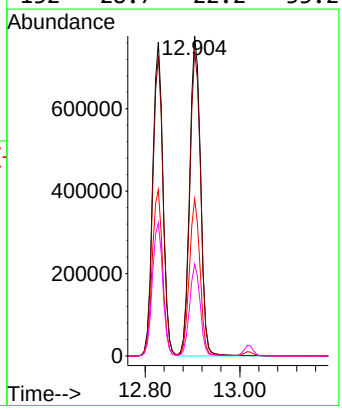


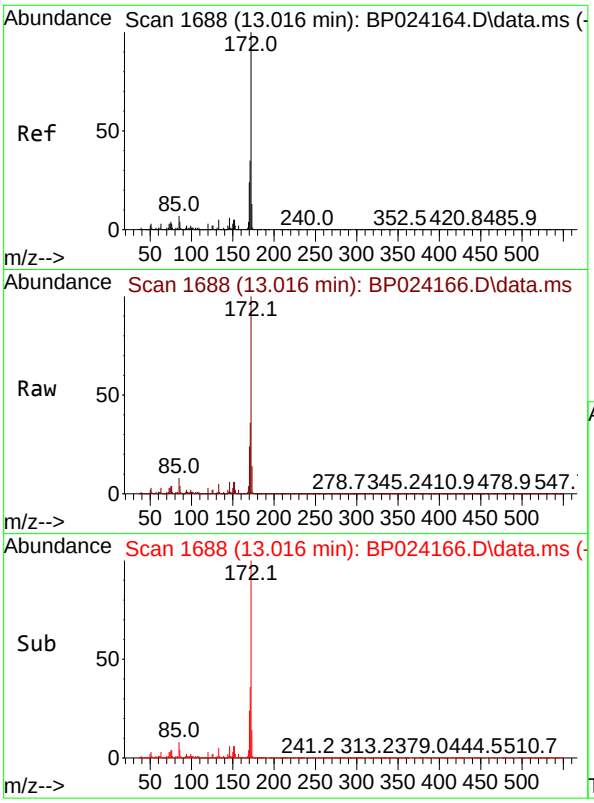


#44
2,4,5-Trichlorophenol
Concen: 64.282 ng
RT: 12.904 min Scan# 1669
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:196 Resp: 1233147

Ion	Ratio	Lower	Upper
196	100		
198	95.4	76.5	114.7
97	49.0	38.7	58.1
132	28.7	22.2	33.2



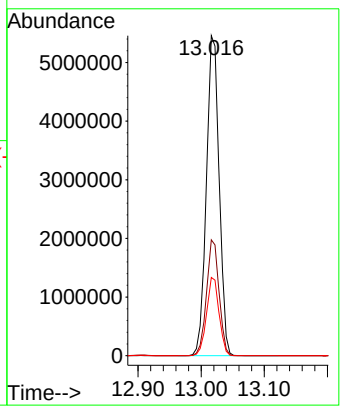


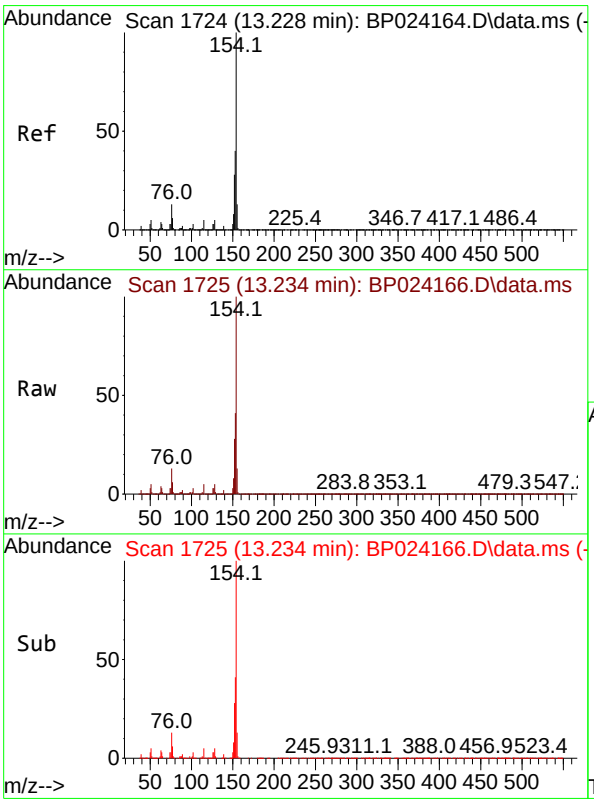
#45
2-Fluorobiphenyl
Concen: 114.626 ng
RT: 13.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 7675412

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.3	42.5
170	24.5	19.0	28.4

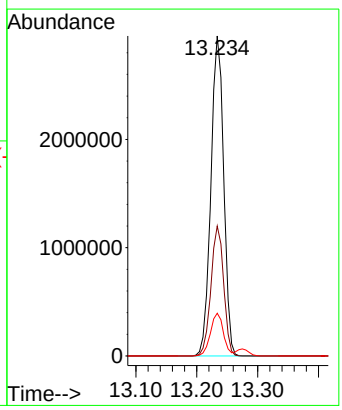


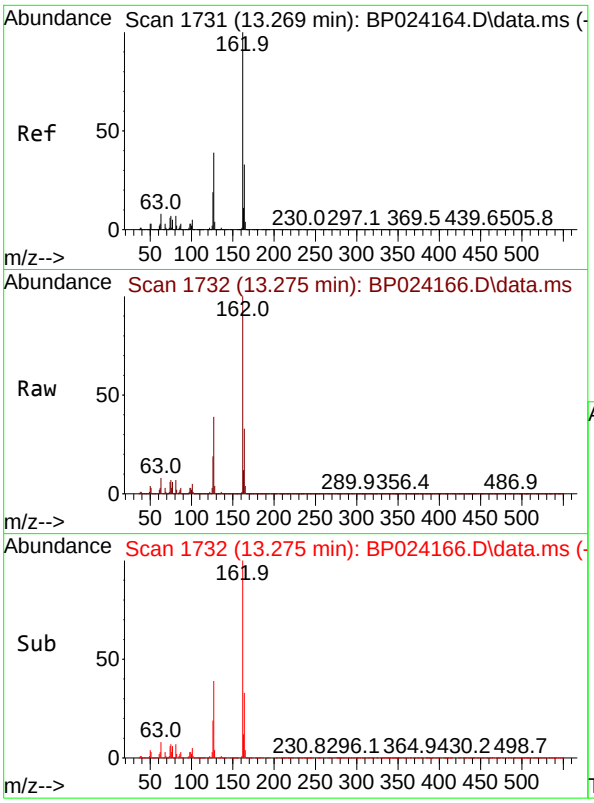


#46
1,1'-Biphenyl
Concen: 59.291 ng
RT: 13.234 min Scan# 1725
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:154 Resp: 4312903

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.3	60.3
76	13.4	0.0	32.9



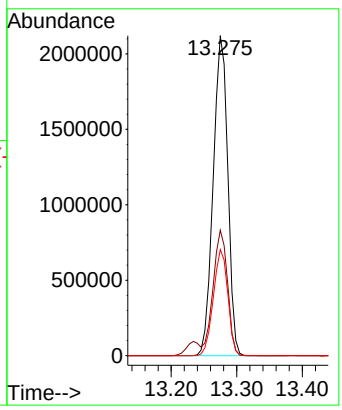


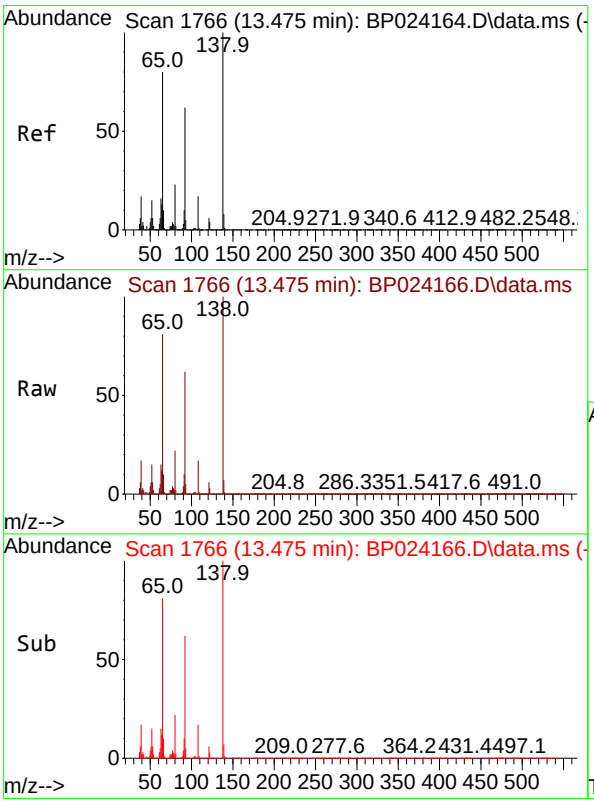
#47
2-Chloronaphthalene
Concen: 59.452 ng
RT: 13.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 3269176

Ion	Ratio	Lower	Upper
162	100		
127	39.2	31.5	47.3
164	33.2	26.6	39.8

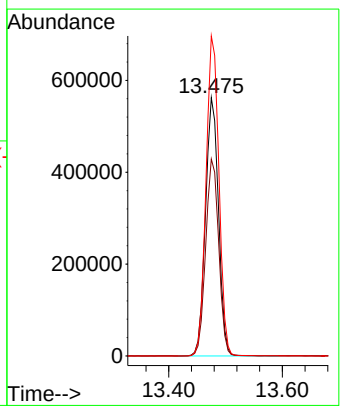


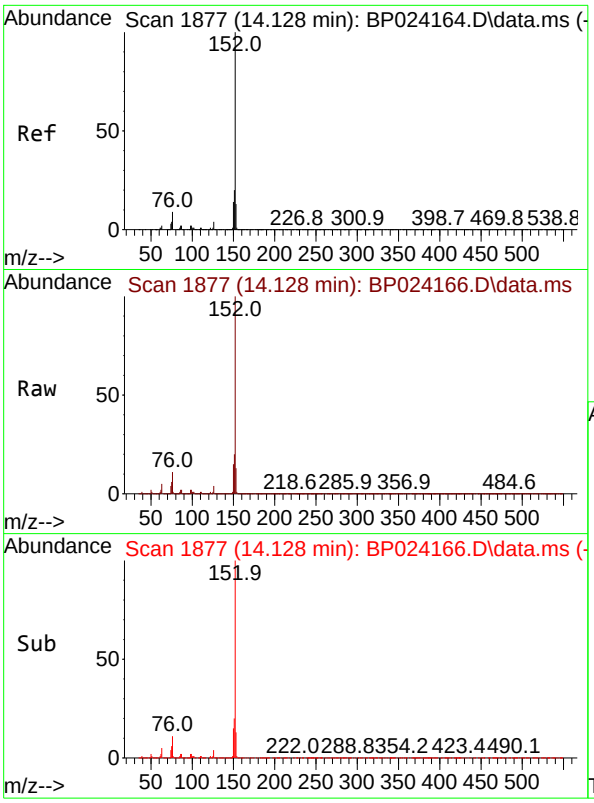


#48
2-Nitroaniline
Concen: 68.533 ng
RT: 13.475 min Scan# 1766
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion: 65 Resp: 890207

Ion	Ratio	Lower	Upper
65	100		
92	76.3	62.1	93.1
138	123.9	99.5	149.3



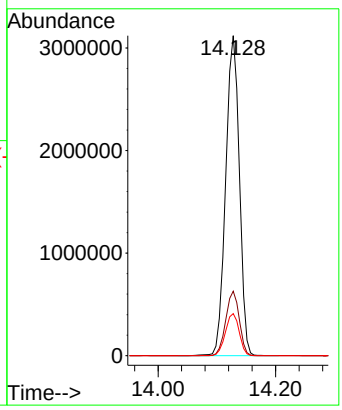


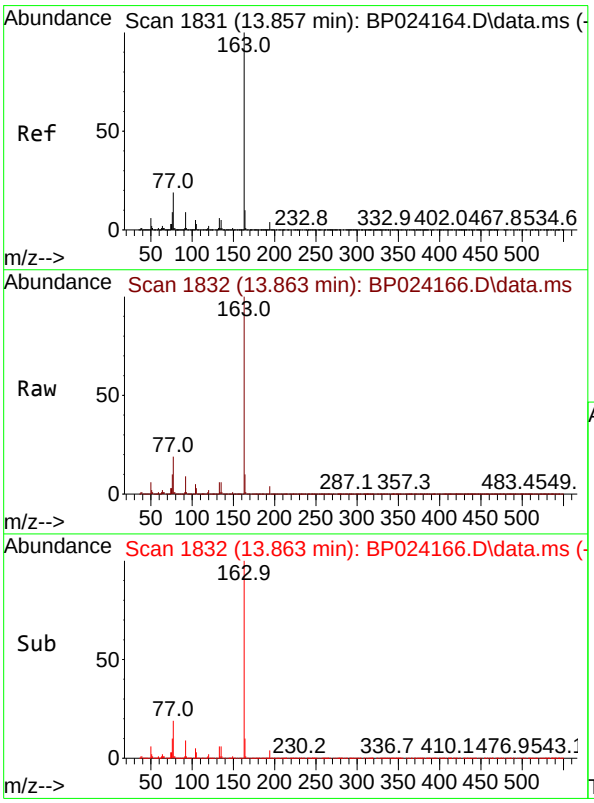
#49
Acenaphthylene
Concen: 62.024 ng
RT: 14.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 5025011

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.0	24.0
153	13.1	10.6	15.8

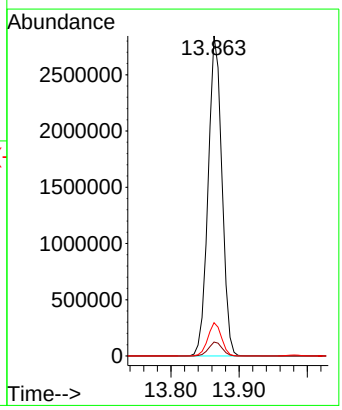


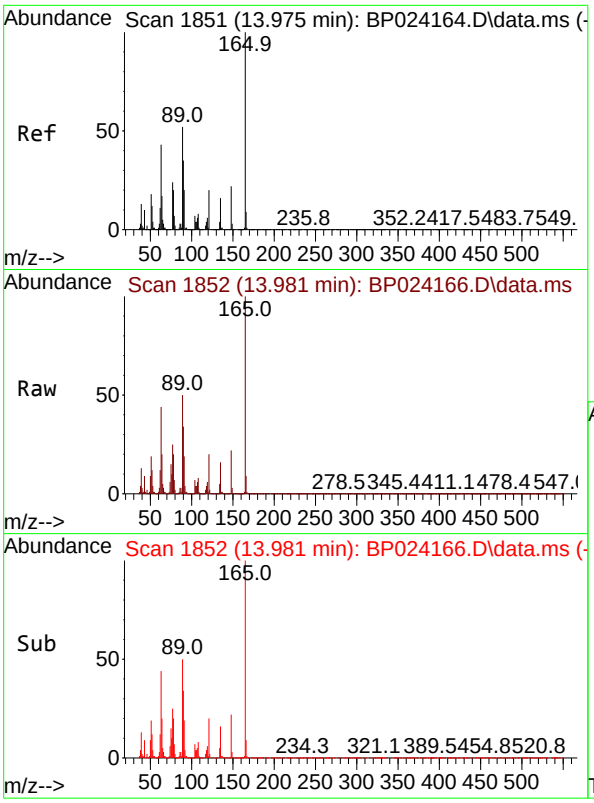


#50
Dimethylphthalate
Concen: 60.542 ng
RT: 13.863 min Scan# 1832
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:163 Resp: 3997694

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.0
164	10.4	8.2	12.4



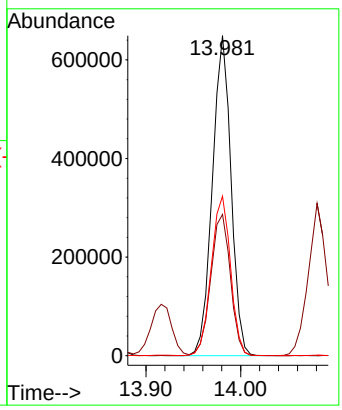


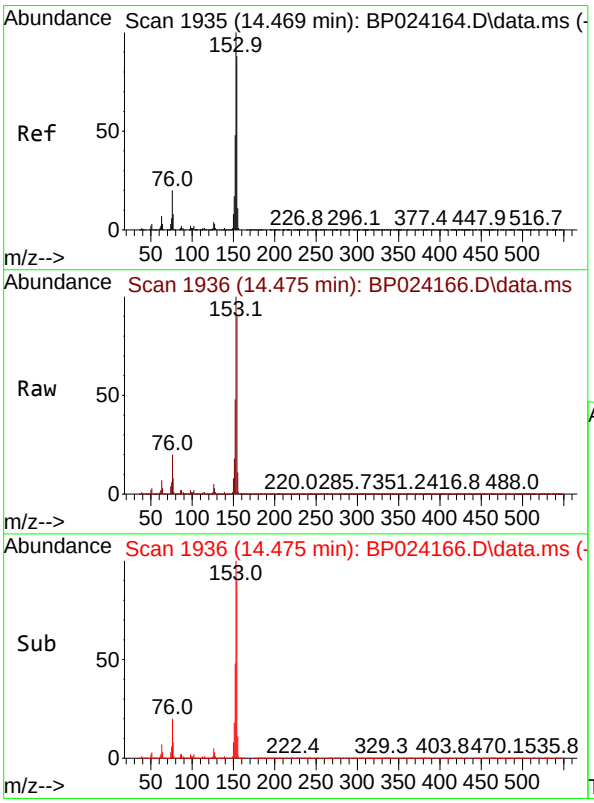
#51
2,6-Dinitrotoluene
Concen: 65.996 ng
RT: 13.981 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 887706

Ion	Ratio	Lower	Upper
165	100		
63	44.1	37.7	56.5
89	49.9	41.9	62.9

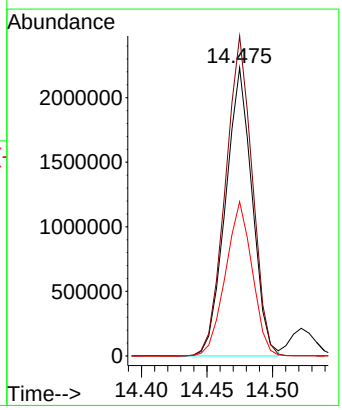


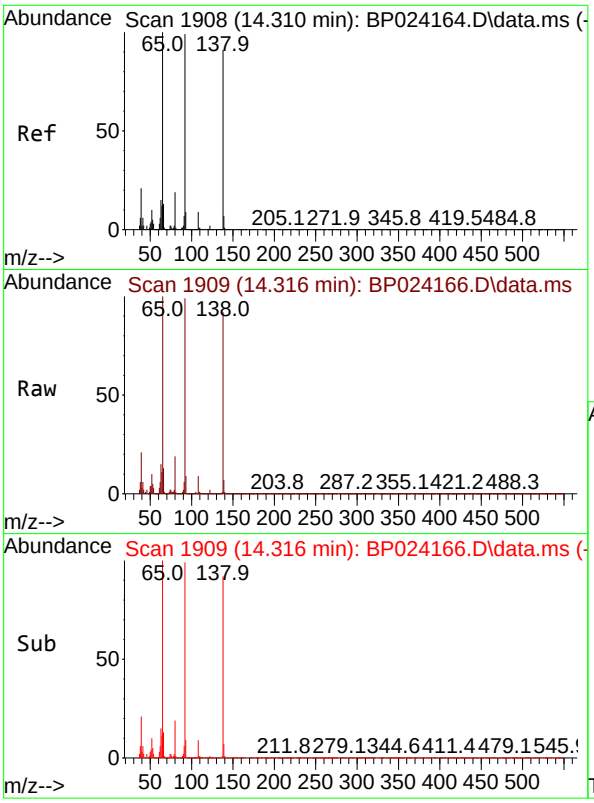


#52
Acenaphthene
Concen: 60.450 ng
RT: 14.475 min Scan# 1936
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:154 Resp: 3153799

Ion	Ratio	Lower	Upper
154	100		
153	111.1	90.5	135.7
152	53.5	43.1	64.7



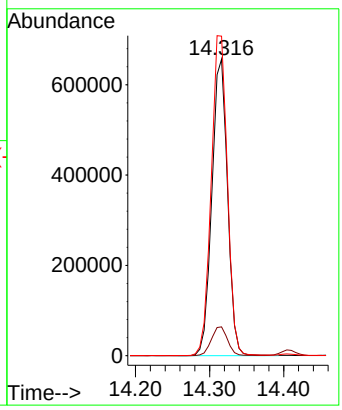


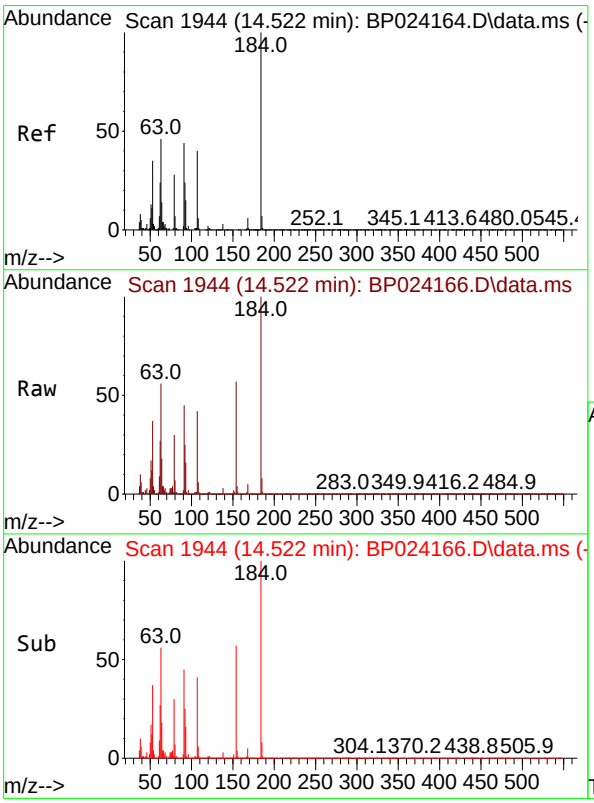
#53
3-Nitroaniline
Concen: 67.123 ng
RT: 14.316 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 963434

Ion	Ratio	Lower	Upper
138	100		
108	9.7	8.2	12.2
92	107.7	86.7	130.1

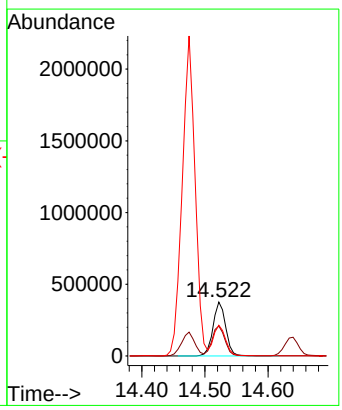


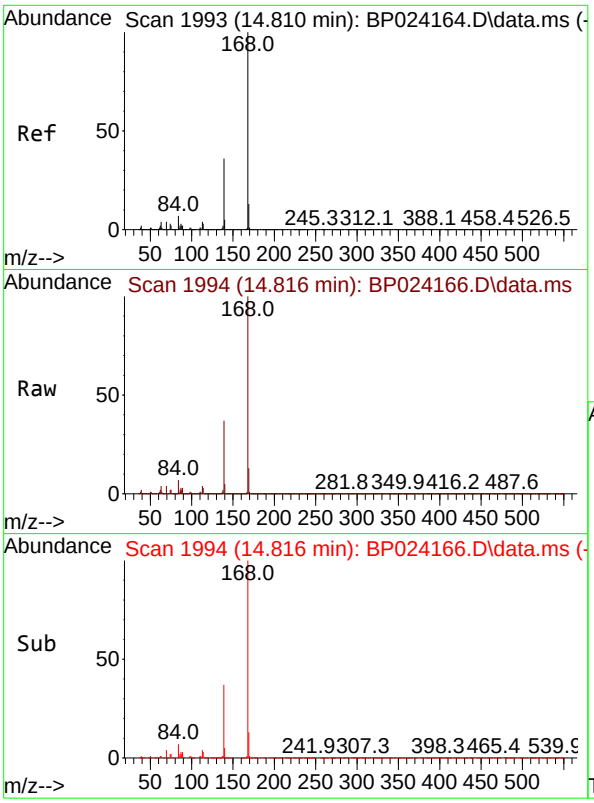


#54
2,4-Dinitrophenol
Concen: 73.093 ng
RT: 14.522 min Scan# 1944
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:184 Resp: 523590

Ion	Ratio	Lower	Upper
184	100		
63	55.6	42.1	63.1
154	56.9	44.6	67.0



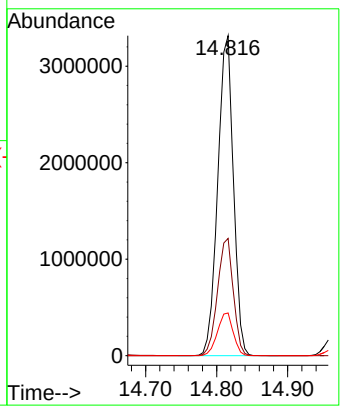


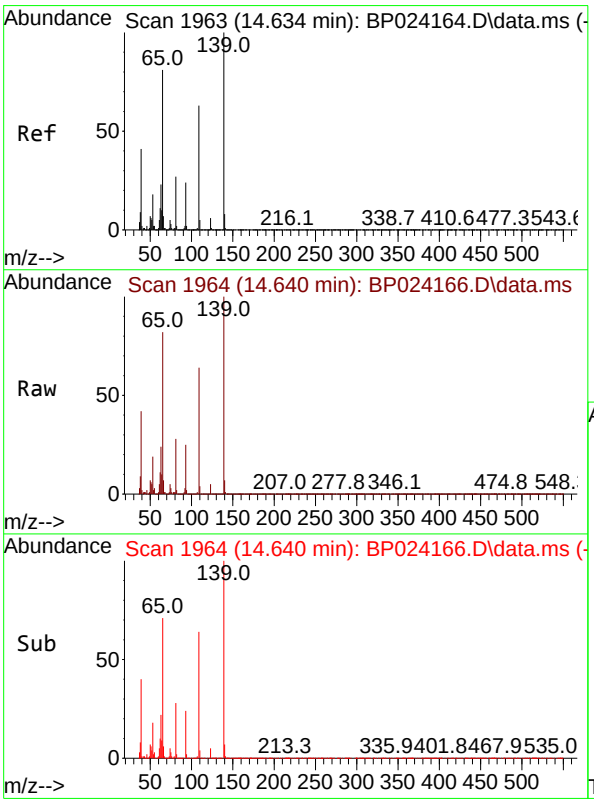
#55
Dibenzofuran
Concen: 59.602 ng
RT: 14.816 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 5051493

Ion	Ratio	Lower	Upper
168	100		
139	36.6	29.1	43.7
169	13.4	10.8	16.2

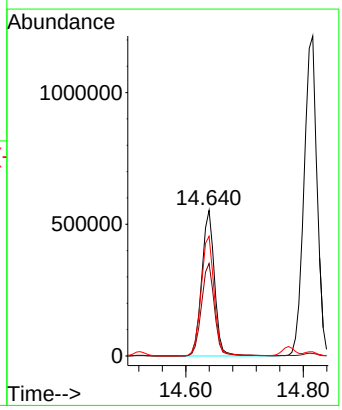


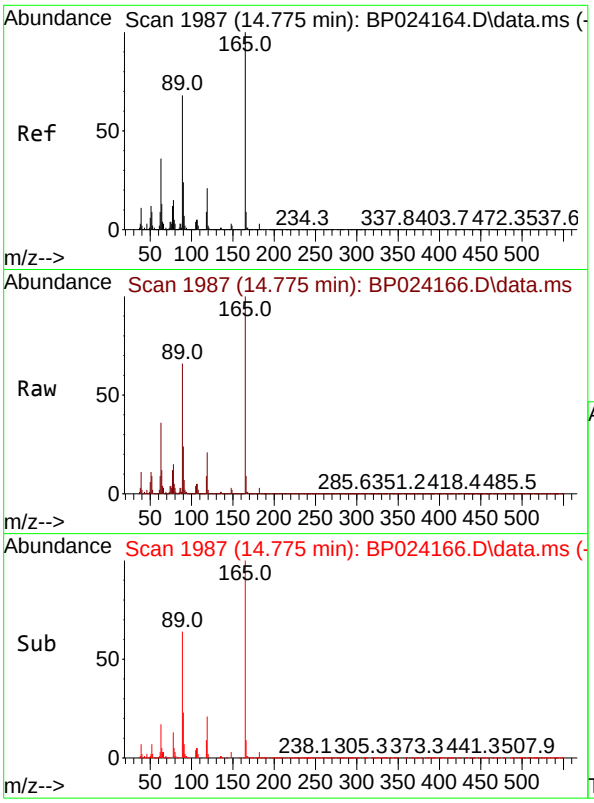


#56
4-Nitrophenol
Concen: 67.086 ng
RT: 14.640 min Scan# 1964
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:139 Resp: 831765

Ion	Ratio	Lower	Upper
139	100		
109	63.5	43.3	83.3
65	82.1	61.2	101.2



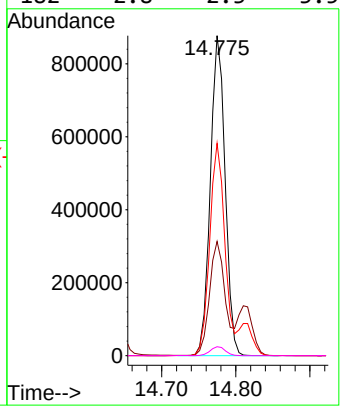


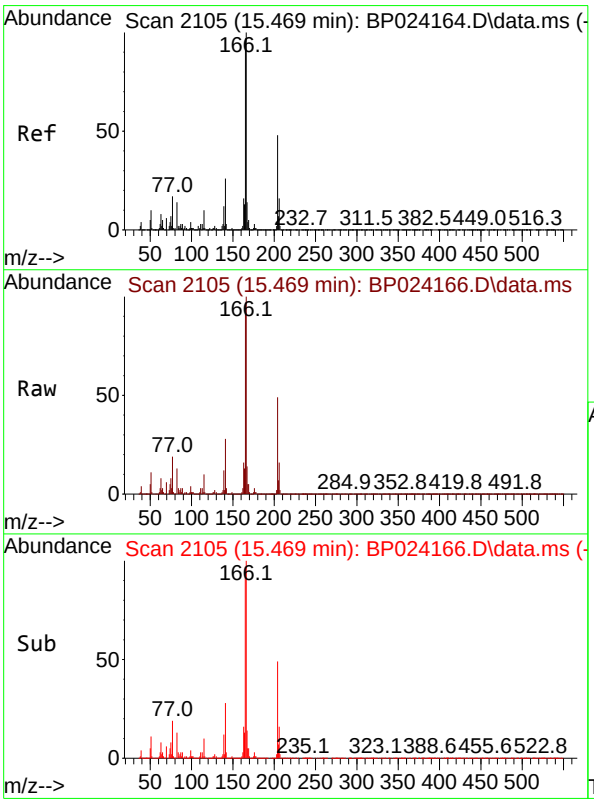
#57
2,4-Dinitrotoluene
Concen: 69.346 ng
RT: 14.775 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 1211692

Ion	Ratio	Lower	Upper
165	100		
63	35.7	29.0	43.6
89	66.4	54.2	81.4
182	2.8	2.3	3.5

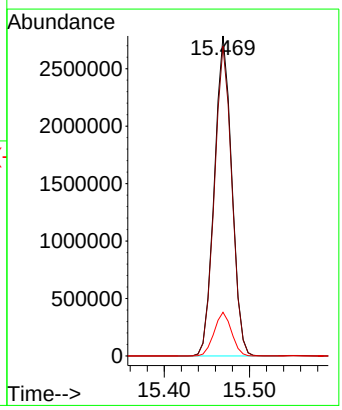


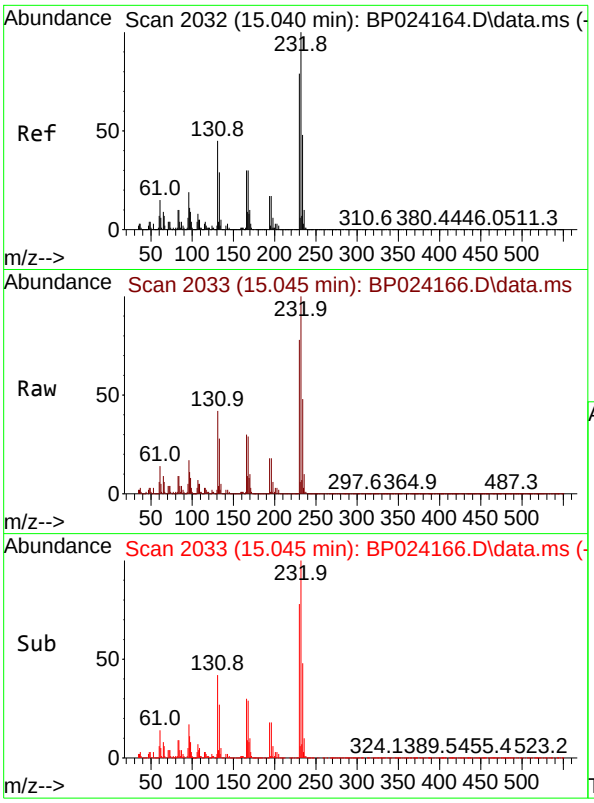


#58
Fluorene
Concen: 59.702 ng
RT: 15.469 min Scan# 2105
Delta R.T. -0.000 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:166 Resp: 3951671

Ion	Ratio	Lower	Upper
166	100		
165	96.9	77.6	116.4
167	13.7	10.8	16.2



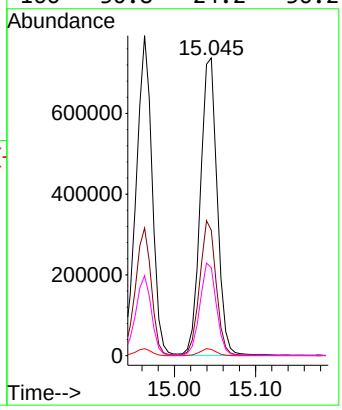


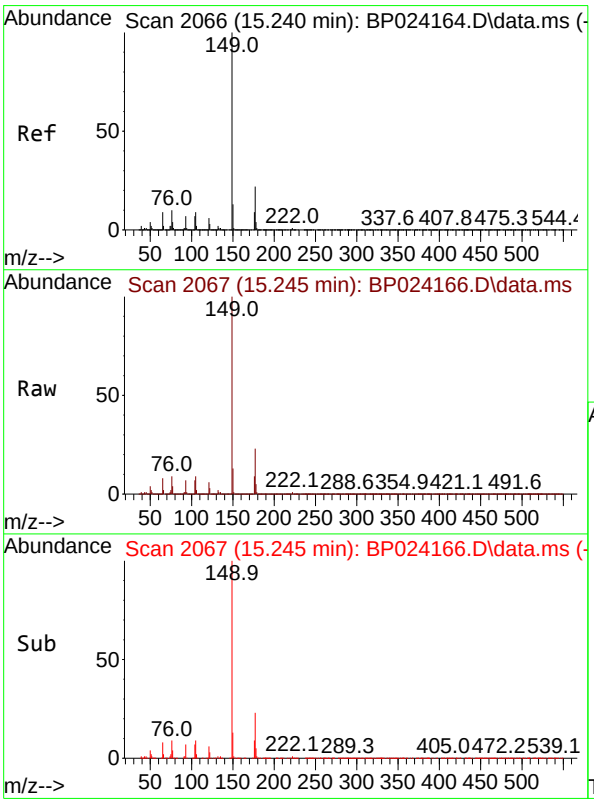
#59
2,3,4,6-Tetrachlorophenol
Concen: 63.439 ng
RT: 15.045 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 1055860

Ion	Ratio	Lower	Upper
232	100		
131	44.7	35.9	53.9
130	2.3	1.8	2.6
166	30.8	24.2	36.2

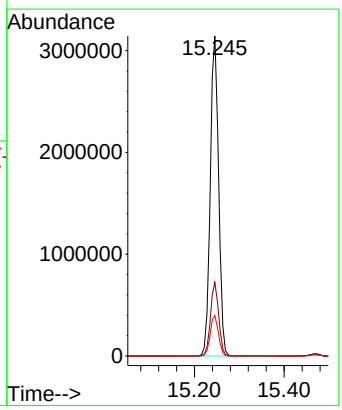


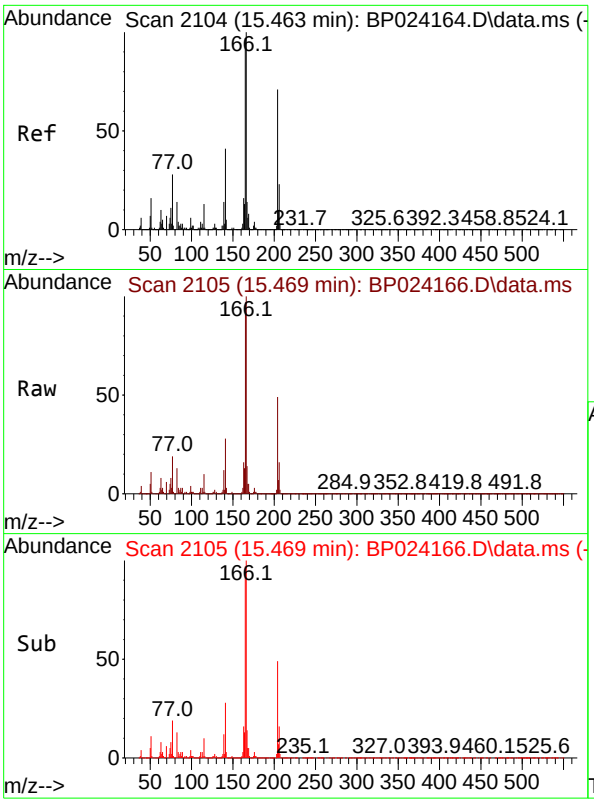


#60
Diethylphthalate
Concen: 61.486 ng
RT: 15.245 min Scan# 2067
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:149 Resp: 4030341

Ion	Ratio	Lower	Upper
149	100		
177	23.0	17.7	26.5
150	12.7	10.2	15.4



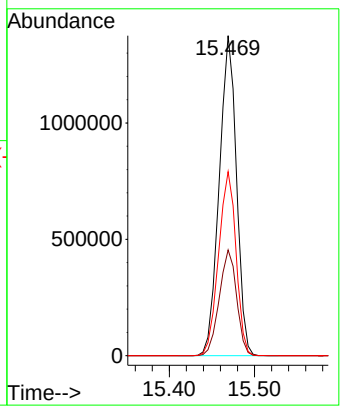


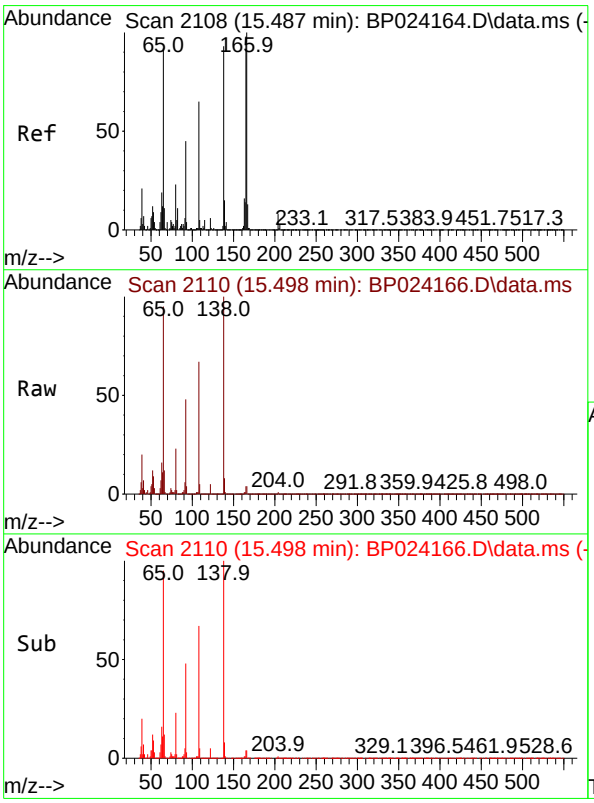
#61
4-Chlorophenyl-phenylether
Concen: 59.370 ng
RT: 15.469 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 1934265

Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.4	39.6
141	57.5	45.8	68.8

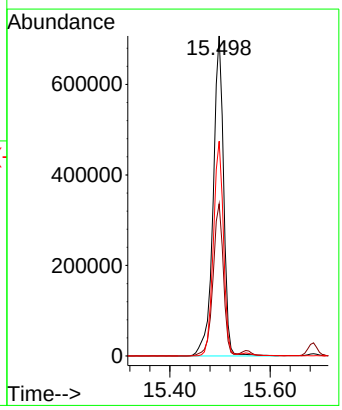


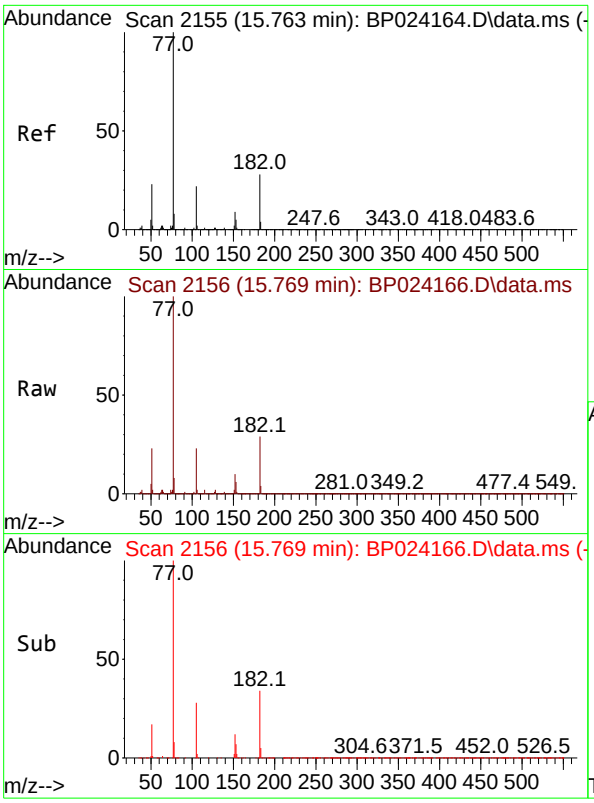


#62
4-Nitroaniline
Concen: 68.824 ng
RT: 15.498 min Scan# 2110
Delta R.T. 0.012 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:138 Resp: 1025149

Ion	Ratio	Lower	Upper
138	100		
92	47.5	28.7	68.7
108	67.1	49.5	89.5



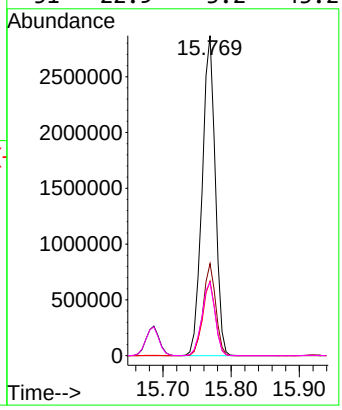


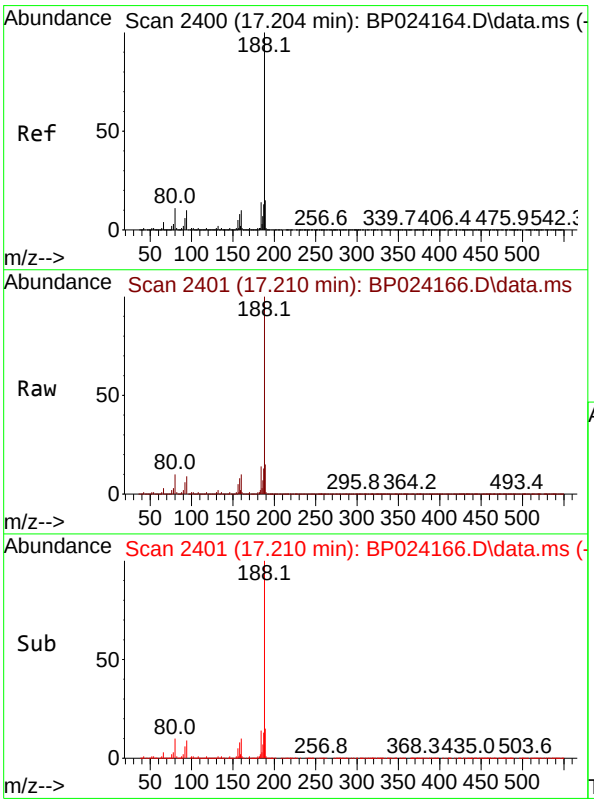
#63
Azobenzene
Concen: 62.340 ng
RT: 15.769 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 3829148

Ion	Ratio	Lower	Upper
77	100		
182	28.8	7.7	47.7
105	23.3	2.3	42.3
51	22.9	3.2	43.2

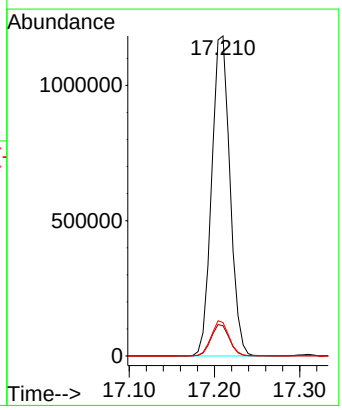


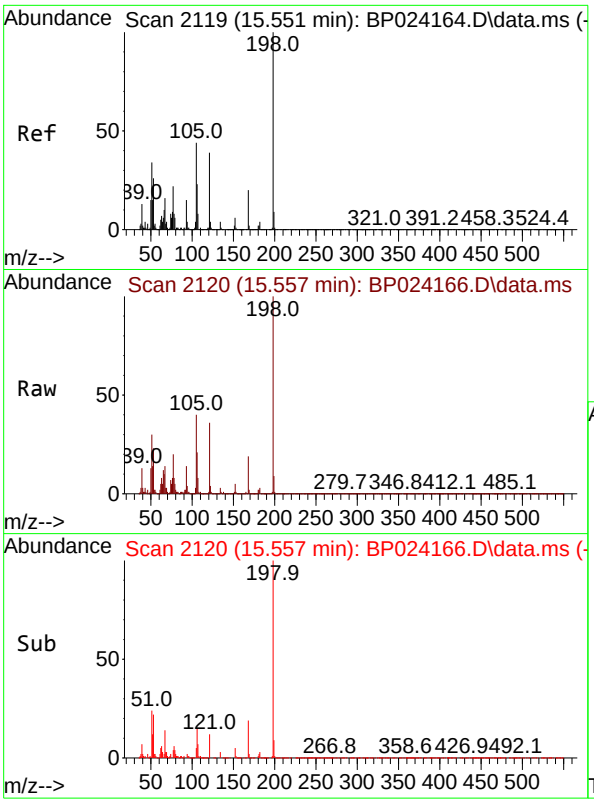


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.210 min Scan# 2401
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:188 Resp: 1759587

Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.1	12.1
80	10.5	8.9	13.3



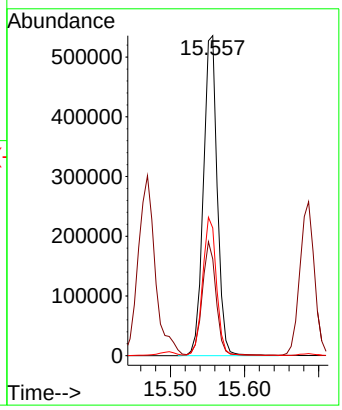


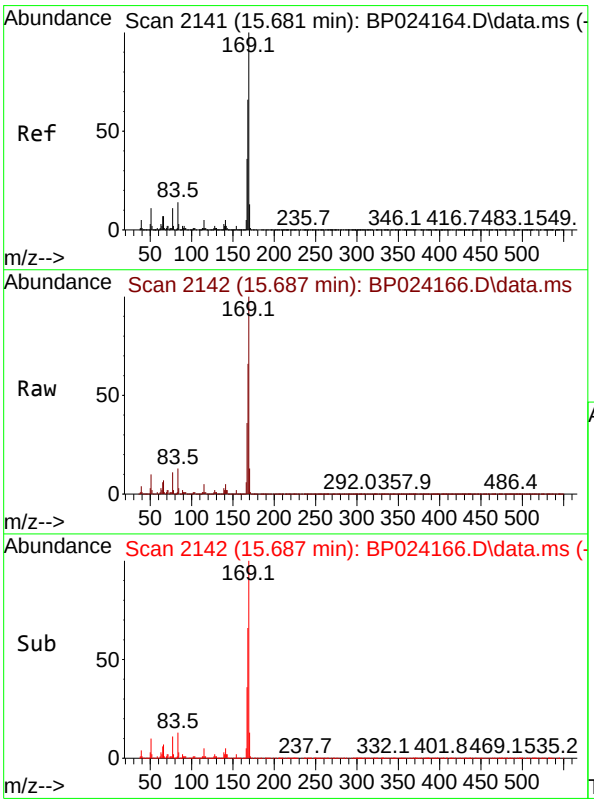
#65
4,6-Dinitro-2-methylphenol
Concen: 68.563 ng
RT: 15.557 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 698260

Ion	Ratio	Lower	Upper
198	100		
51	30.2	14.7	54.7
105	39.9	23.8	63.8

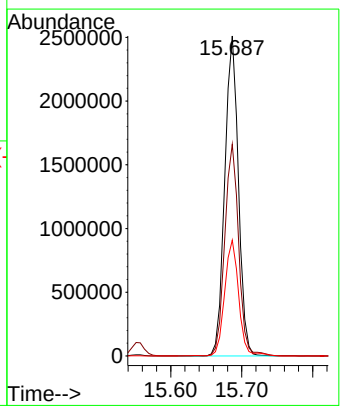


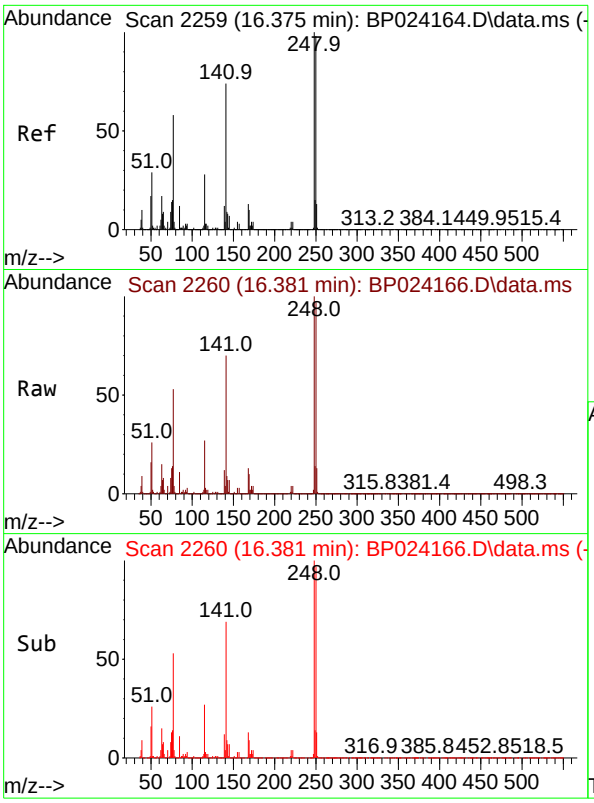


#66
n-Nitrosodiphenylamine
Concen: 60.776 ng
RT: 15.687 min Scan# 2142
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:169 Resp: 3334914

Ion	Ratio	Lower	Upper
169	100		
168	66.2	52.9	79.3
167	36.2	28.8	43.2



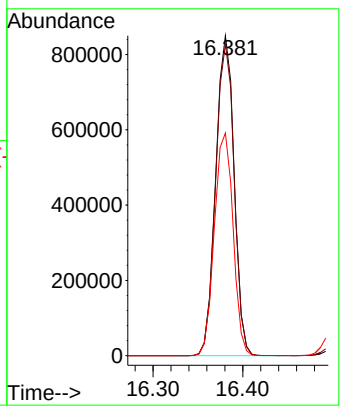


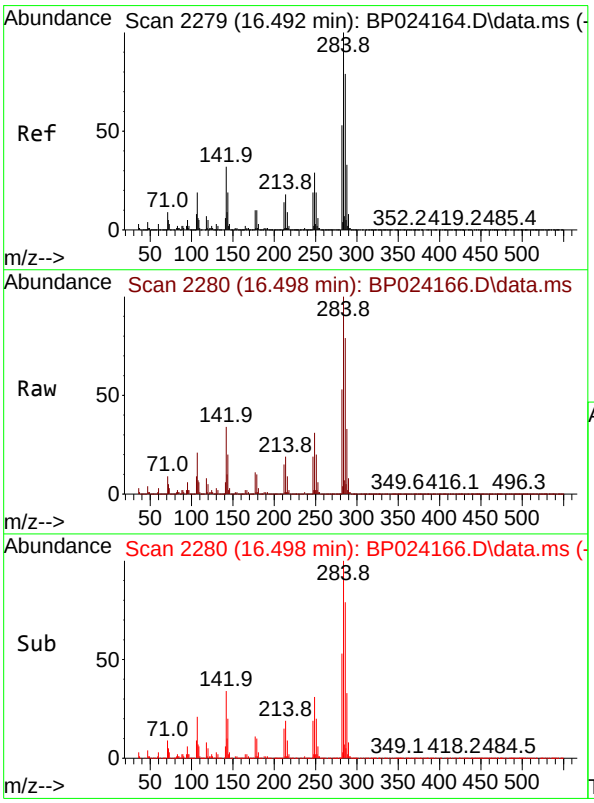
#67
4-Bromophenyl-phenylether
Concen: 61.311 ng
RT: 16.381 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 1211468

Ion	Ratio	Lower	Upper
248	100		
250	97.4	78.4	117.6
141	69.6	59.4	89.0

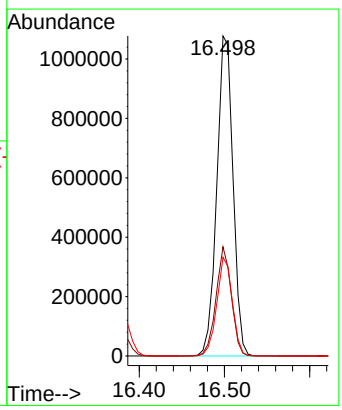


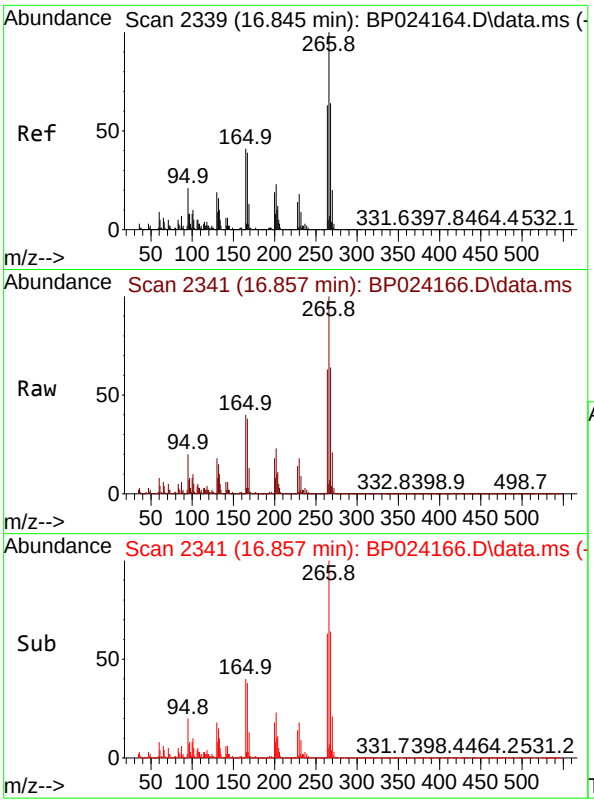


#68
Hexachlorobenzene
Concen: 61.320 ng
RT: 16.498 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:284 Resp: 1425714

Ion	Ratio	Lower	Upper
284	100		
142	34.1	25.4	38.2
249	30.9	23.5	35.3



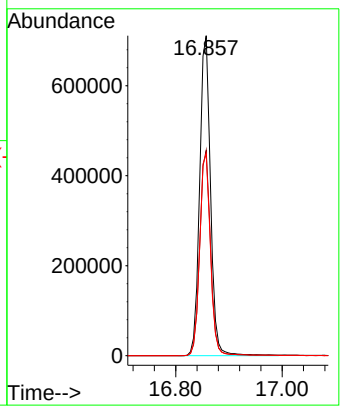


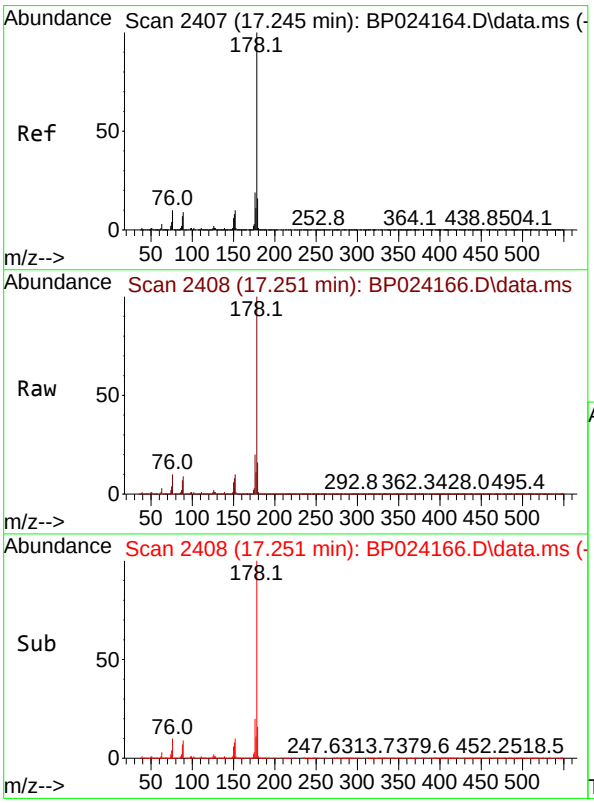
#70
Pentachlorophenol
Concen: 66.402 ng
RT: 16.857 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:266 Resp: 1002726

Ion	Ratio	Lower	Upper
266	100		
268	64.2	51.3	76.9
264	63.1	50.6	76.0

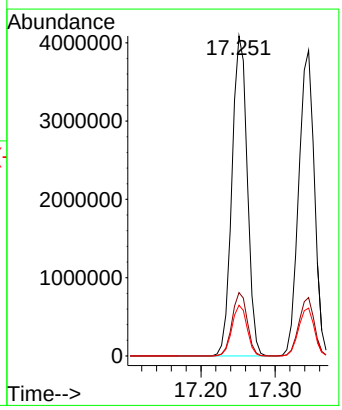


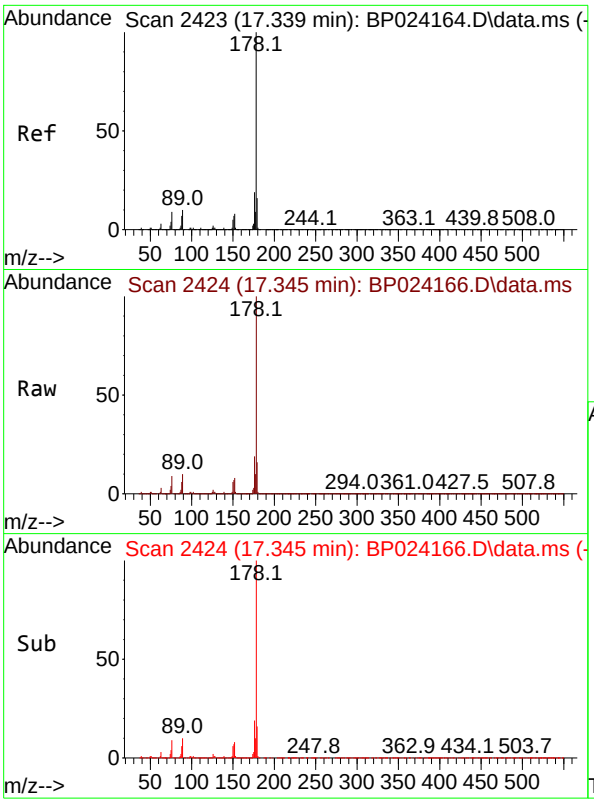


#71
Phenanthrene
Concen: 59.103 ng
RT: 17.251 min Scan# 2408
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:178 Resp: 5863198

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.6	23.4
179	15.9	12.5	18.7



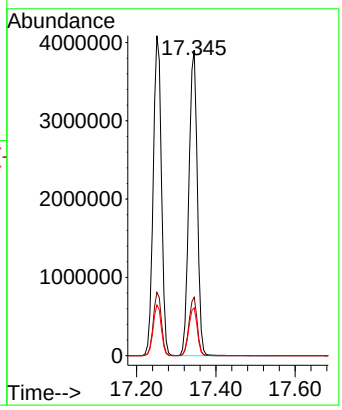


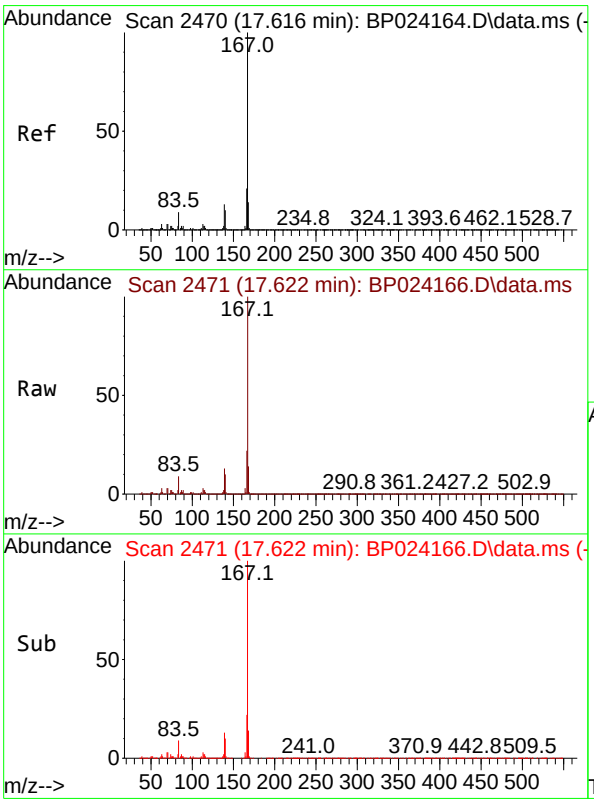
#72
Anthracene
Concen: 60.532 ng
RT: 17.345 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 5754537

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.2	22.8
179	15.6	12.6	18.8

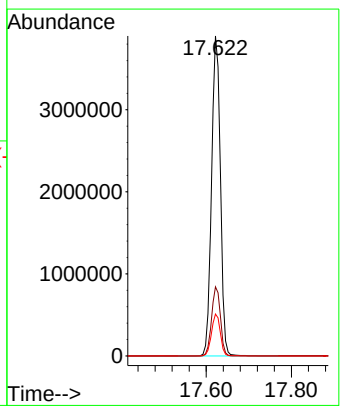


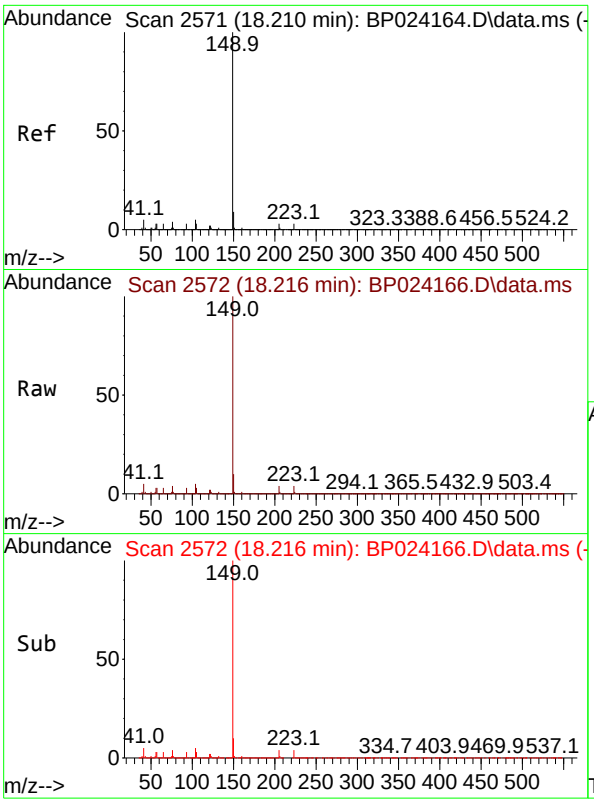


#73
Carbazole
Concen: 61.810 ng
RT: 17.622 min Scan# 2471
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:167 Resp: 5598533

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.1	25.7
139	13.1	10.2	15.4



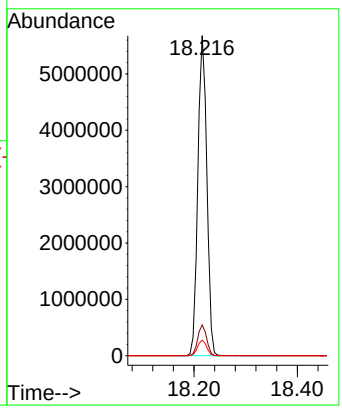


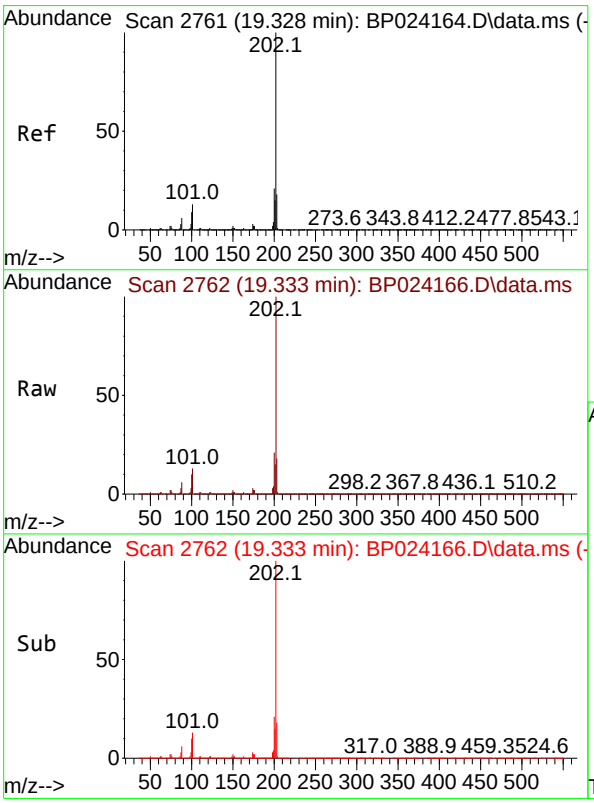
#74
Di-n-butylphthalate
Concen: 64.761 ng
RT: 18.216 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 6844468

Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.6	11.4
104	4.9	3.9	5.9

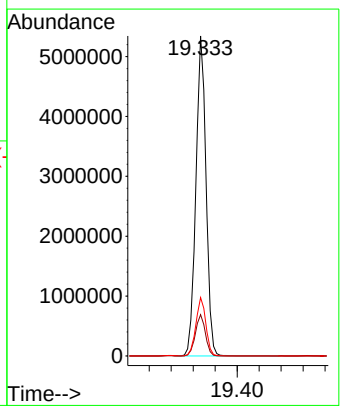


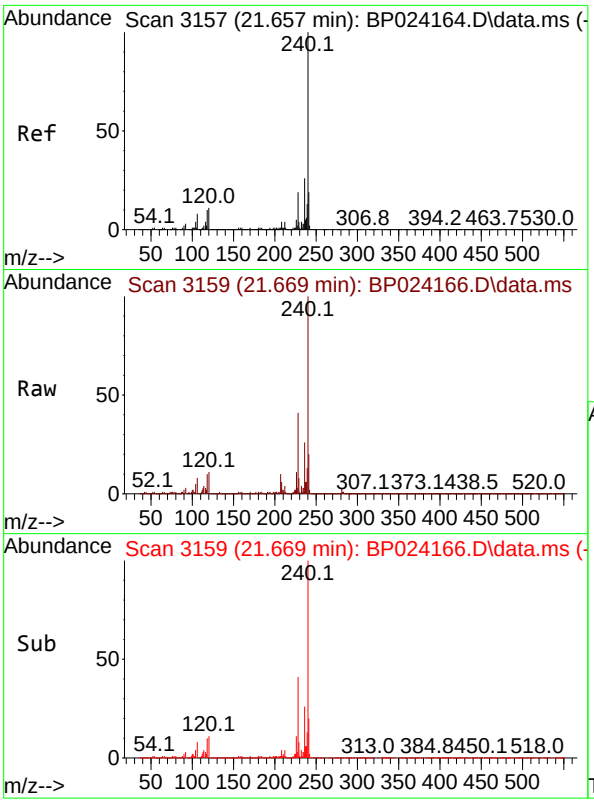


#75
Fluoranthene
Concen: 61.042 ng
RT: 19.333 min Scan# 2762
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:202 Resp: 6849338

Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	32.5
203	18.2	0.0	37.9



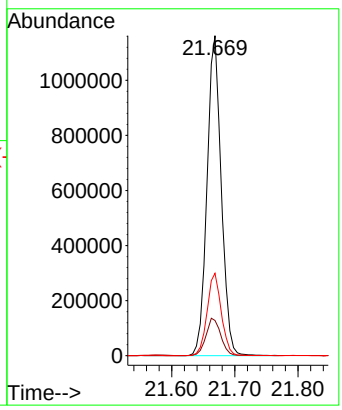


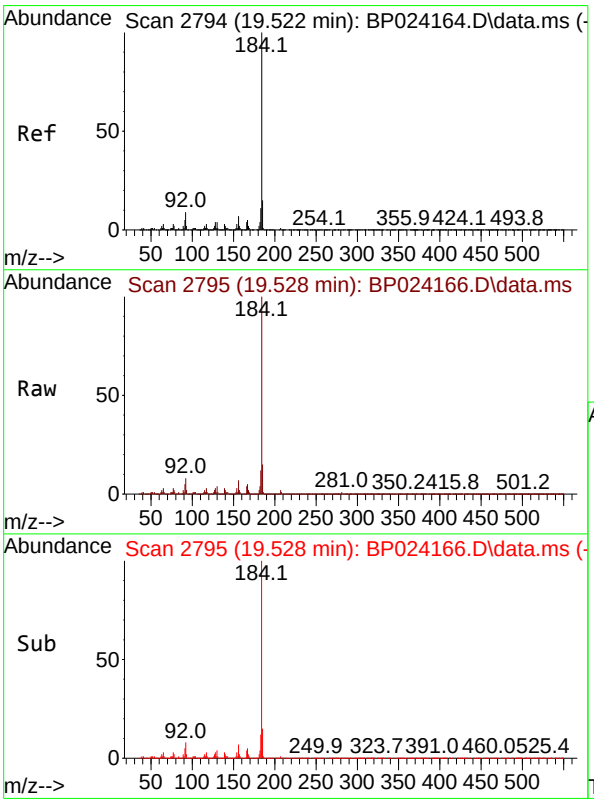
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.669 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:240 Resp: 1817869

Ion	Ratio	Lower	Upper
240	100		
120	11.0	9.2	13.8
236	25.7	20.4	30.6

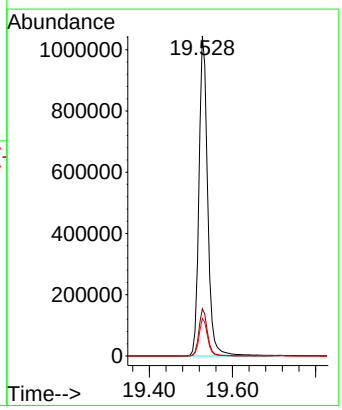


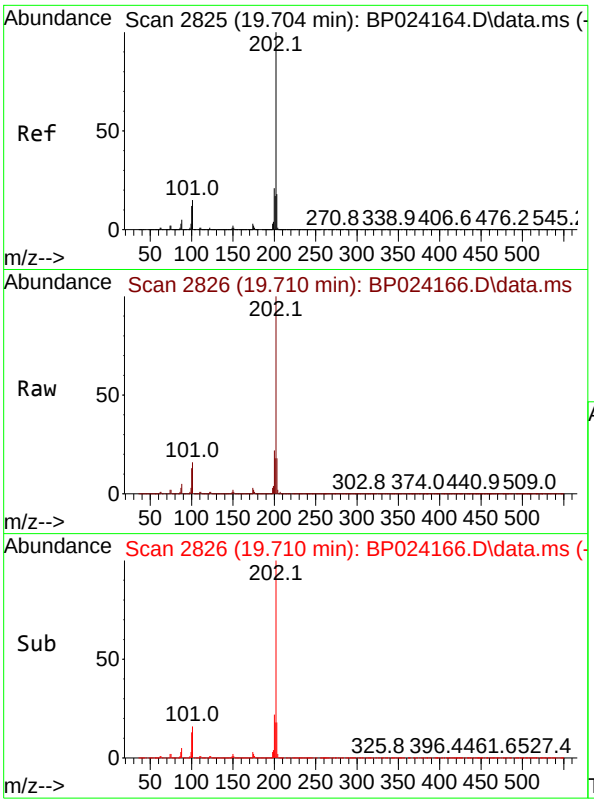


#77
Benzidine
Concen: 68.561 ng
RT: 19.528 min Scan# 2795
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:184 Resp: 1518742

Ion	Ratio	Lower	Upper
184	100		
185	14.8	11.8	17.6
183	11.7	9.1	13.7



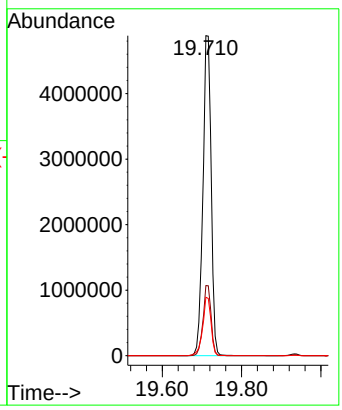


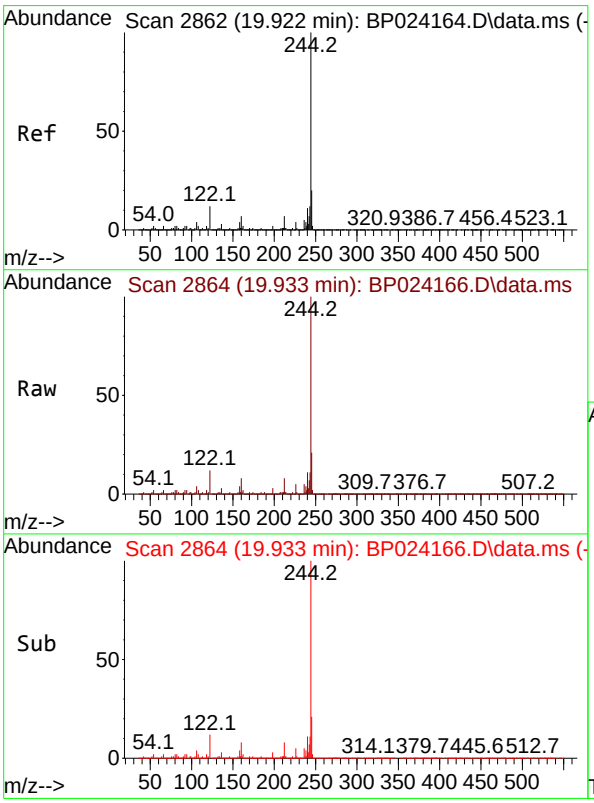
#78
Pyrene
Concen: 61.052 ng
RT: 19.710 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 7049649

Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.1	25.7
203	18.2	14.2	21.4

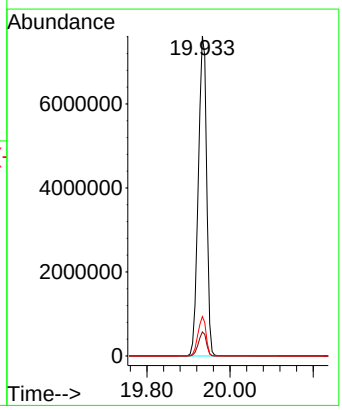


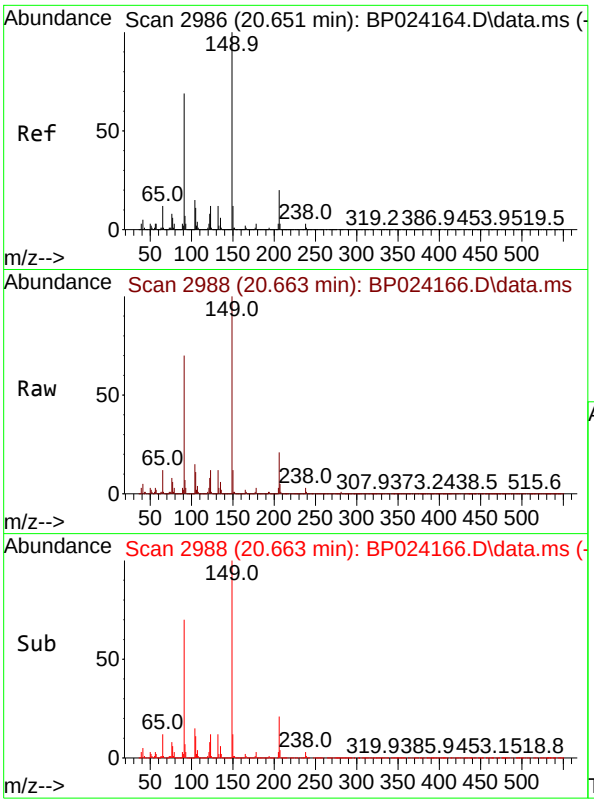


#79
Terphenyl-d14
Concen: 115.330 ng
RT: 19.933 min Scan# 2864
Delta R.T. 0.012 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:244 Resp:10595349

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.7	8.5
122	12.3	9.6	14.4



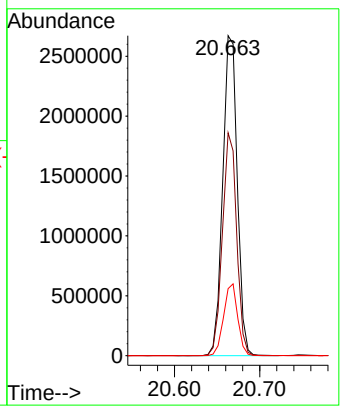


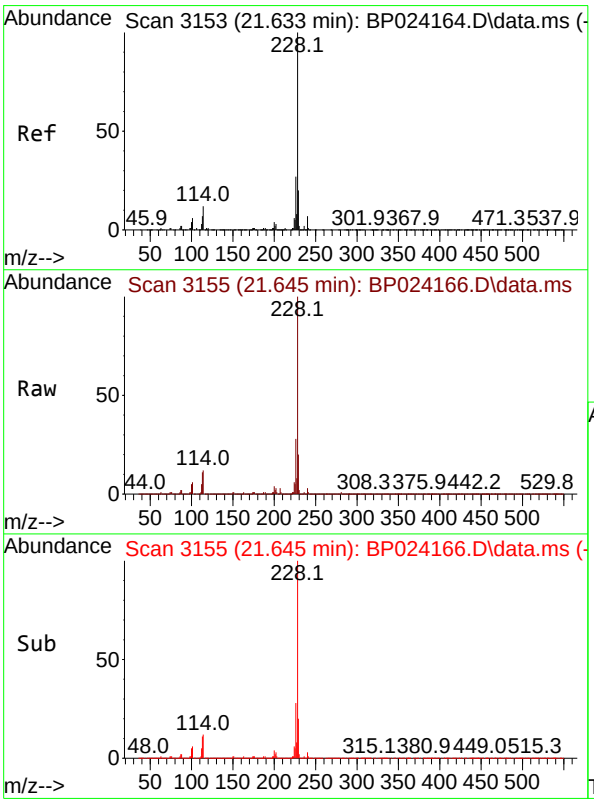
#80
Butylbenzylphthalate
Concen: 71.649 ng
RT: 20.663 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 3170269

Ion	Ratio	Lower	Upper
149	100		
91	69.6	55.3	82.9
206	21.0	16.1	24.1

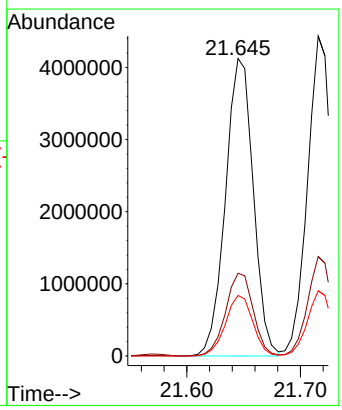


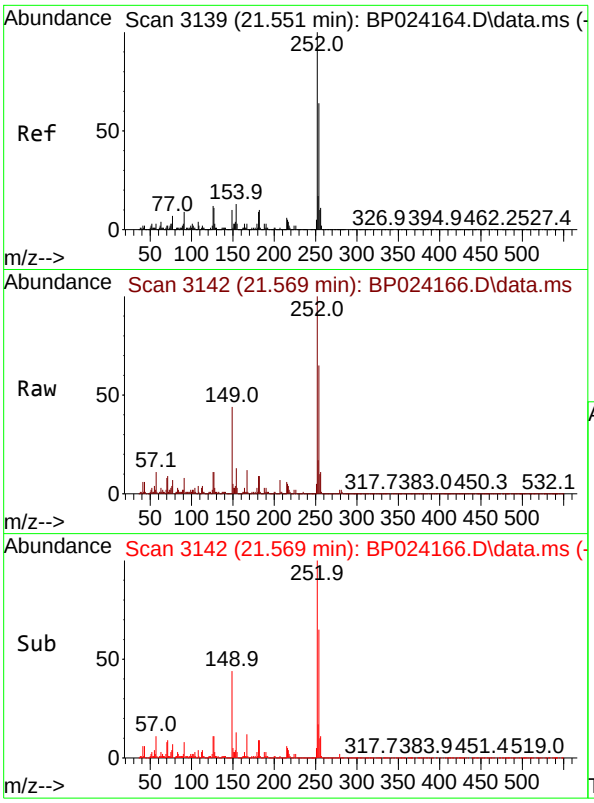


#81
Benzo(a)anthracene
Concen: 61.500 ng
RT: 21.645 min Scan# 3155
Delta R.T. 0.012 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:228 Resp: 7010330

Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.8	32.8
229	20.4	16.0	24.0



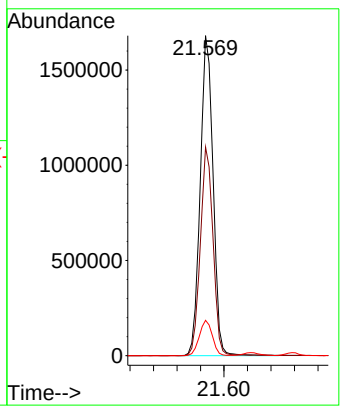


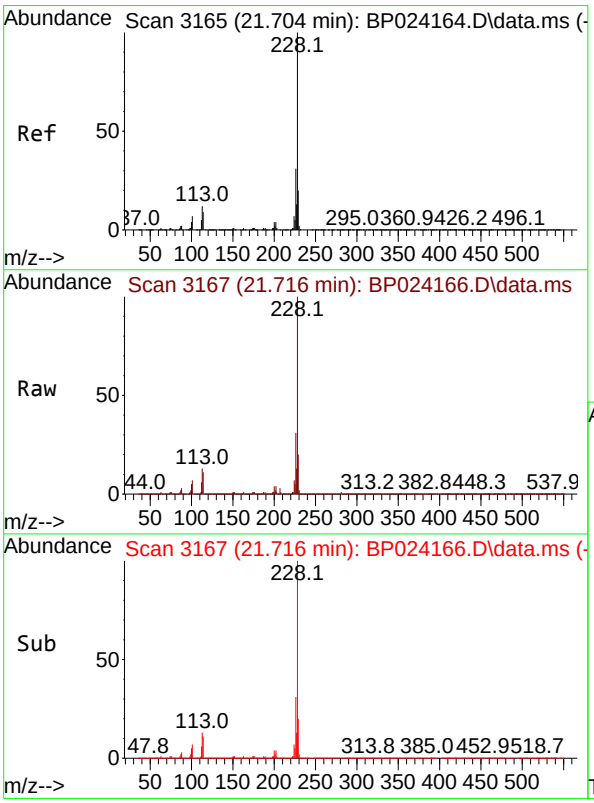
#82
3,3'-Dichlorobenzidine
Concen: 71.531 ng
RT: 21.569 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 2547922

Ion	Ratio	Lower	Upper
252	100		
254	65.2	51.4	77.2
126	11.1	9.3	13.9

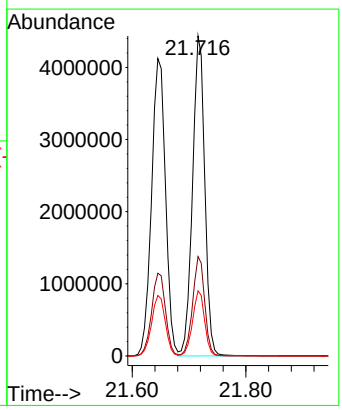


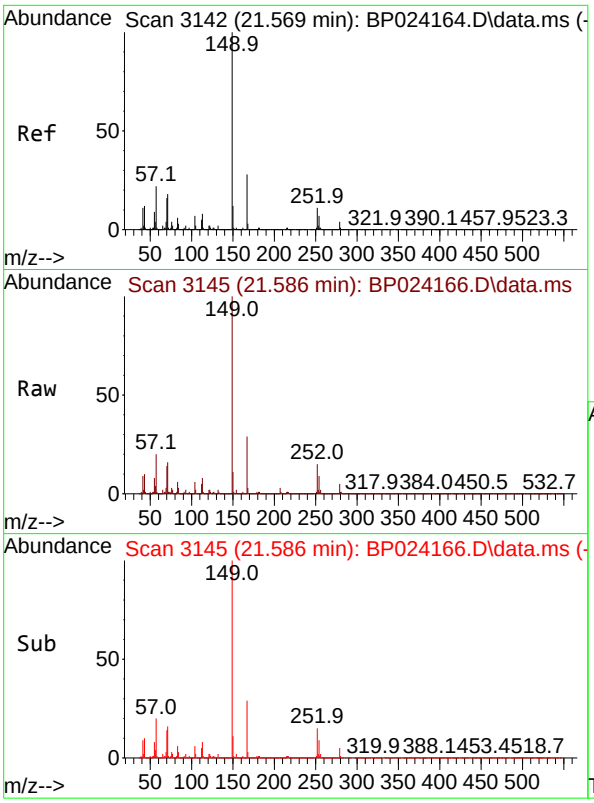


#83
Chrysene
Concen: 60.535 ng
RT: 21.716 min Scan# 3167
Delta R.T. 0.012 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:228 Resp: 6653811

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.5	36.7
229	20.3	16.2	24.2



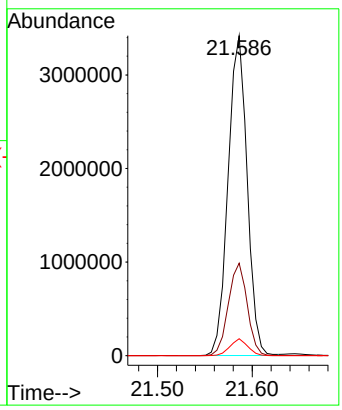


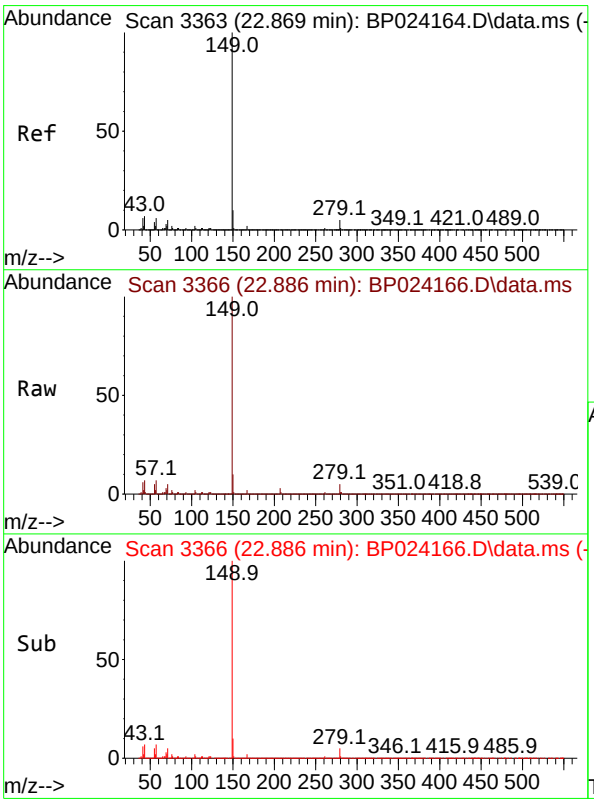
#84
Bis(2-ethylhexyl)phthalate
Concen: 71.363 ng
RT: 21.586 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 4788368

Ion	Ratio	Lower	Upper
149	100		
167	28.9	22.5	33.7
279	5.3	3.6	5.4

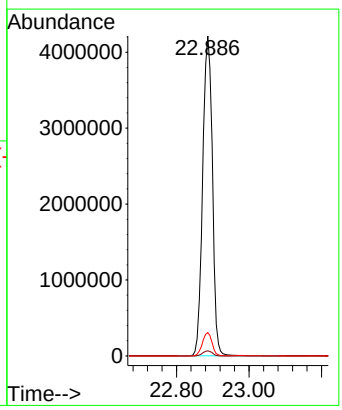


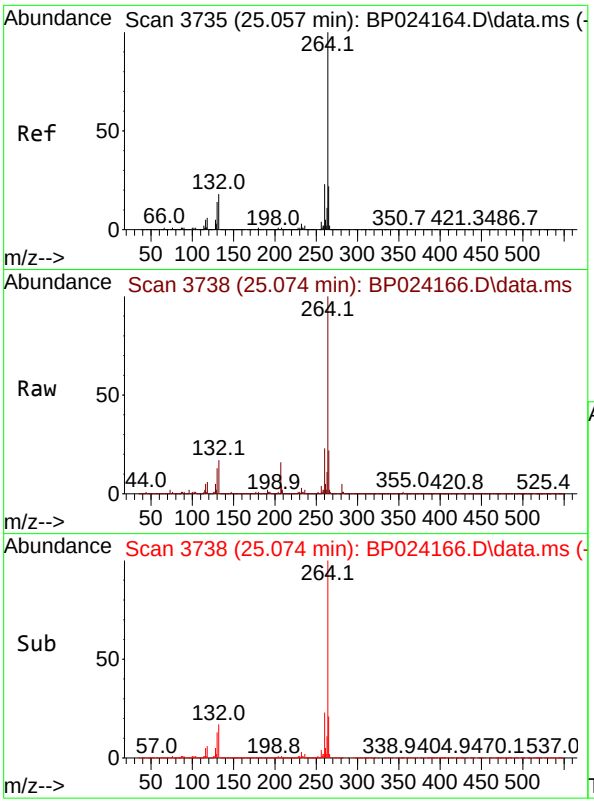


#85
Di-n-octyl phthalate
Concen: 72.964 ng
RT: 22.886 min Scan# 3366
Delta R.T. 0.018 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:149 Resp: 7825427

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.3	5.8	8.8



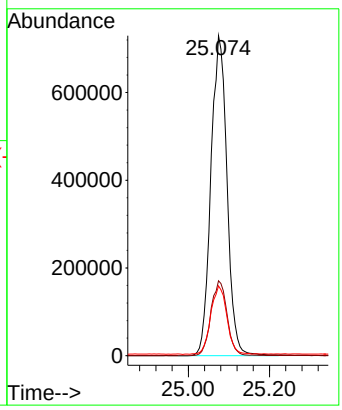


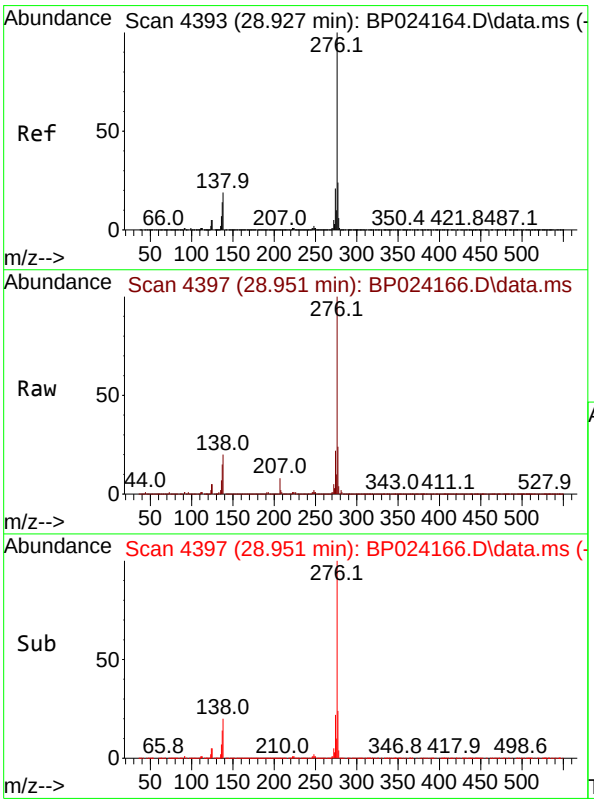
#86
Perylene-d12
Concen: 20.000 ng
RT: 25.074 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:264 Resp: 2003229

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.5	27.7
265	21.8	17.7	26.5

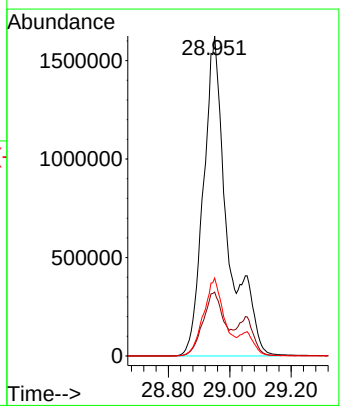


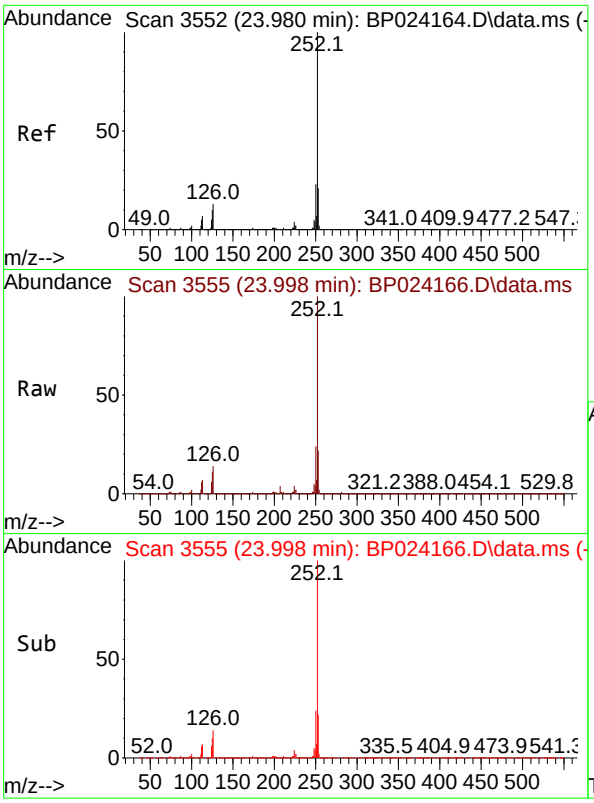


#87
Indeno(1,2,3-cd)pyrene
Concen: 62.364 ng m
RT: 28.951 min Scan# 4397
Delta R.T. 0.023 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:276 Resp: 8887645

Ion	Ratio	Lower	Upper
276	100		
138	17.7	13.7	20.5
277	20.7	20.2	30.2



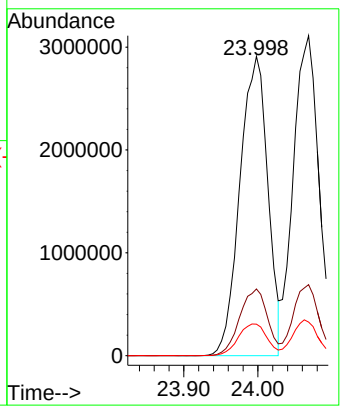


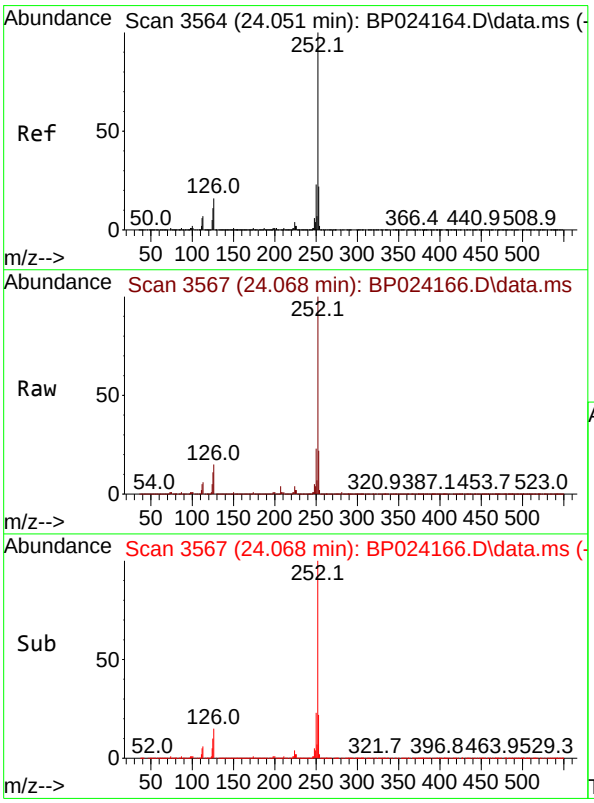
#88
Benzo(b)fluoranthene
Concen: 59.798 ng
RT: 23.998 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 7606878

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	10.5	8.2	12.4

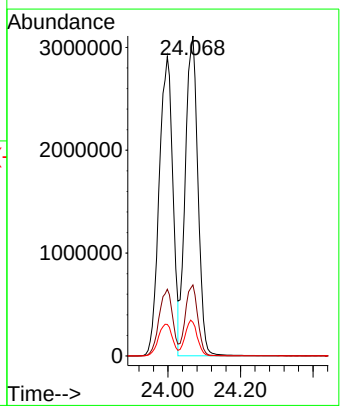


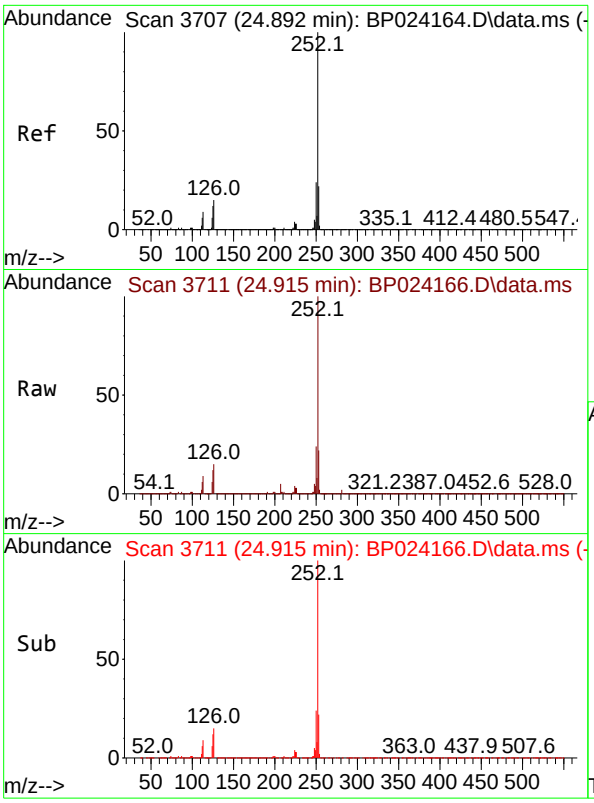


#89
Benzo(k)fluoranthene
Concen: 60.696 ng
RT: 24.068 min Scan# 3567
Delta R.T. 0.018 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:252 Resp: 7515459

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	10.5	9.1	13.7



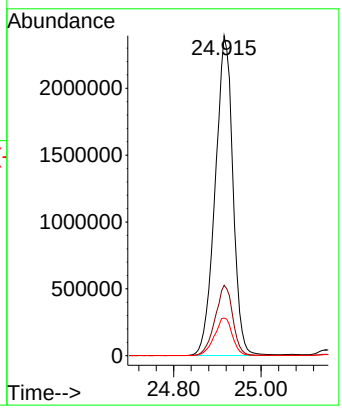


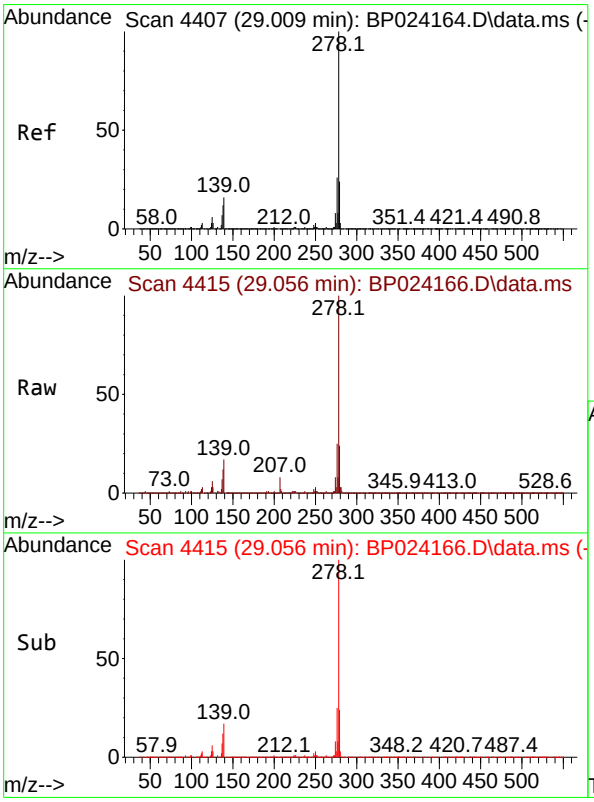
#90
Benzo(a)pyrene
Concen: 62.275 ng
RT: 24.915 min Scan# 3
Delta R.T. 0.023 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 6723161

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	11.8	9.6	14.4

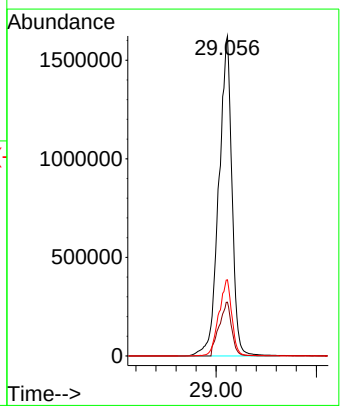


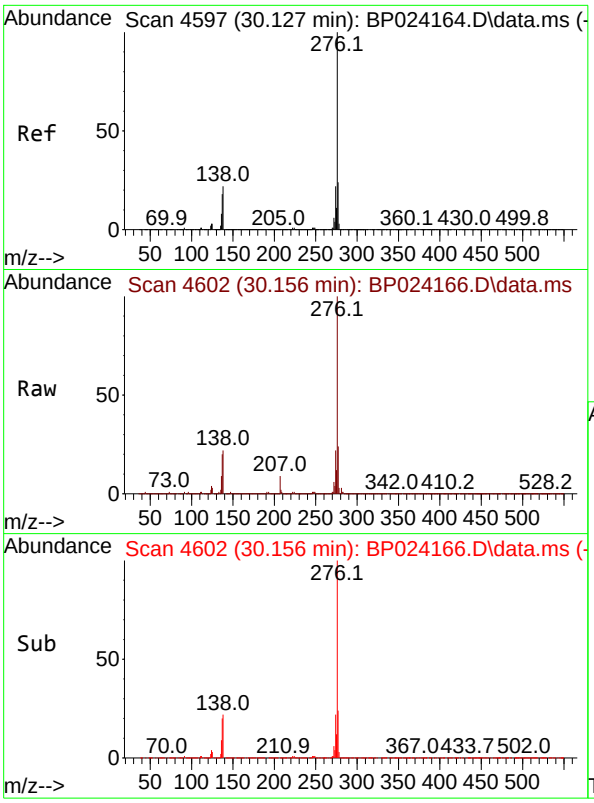


#91
Dibenzo(a,h)anthracene
Concen: 61.510 ng
RT: 29.056 min Scan# 4415
Delta R.T. 0.047 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Tgt Ion:278 Resp: 7370514

Ion	Ratio	Lower	Upper
278	100		
139	16.8	13.0	19.4
279	23.8	18.8	28.2



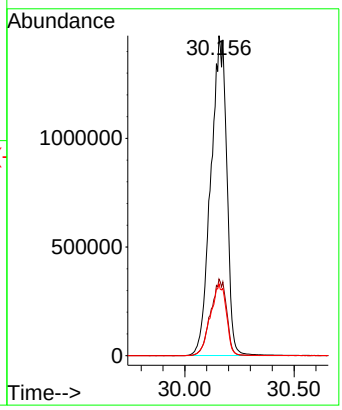


#92
Benzo(g,h,i)perylene
Concen: 61.593 ng
RT: 30.156 min Scan# 4
Delta R.T. 0.029 min
Lab File: BP024166.D
Acq: 12 Mar 2025 20:21

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 7489359

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.2	28.8
138	22.5	17.4	26.2



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024167.D
Acq On : 12 Mar 2025 21:02
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Quant Time: Mar 13 04:10:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.769	152	364999	20.000	ng		0.00
21) Naphthalene-d8	10.551	136	1468727	20.000	ng		0.00
39) Acenaphthene-d10	14.404	164	888748	20.000	ng		0.00
64) Phenanthrene-d10	17.210	188	1690241	20.000	ng		0.00
76) Chrysene-d12	21.674	240	1785678	20.000	ng		0.02
86) Perylene-d12	25.080	264	1974592	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.381	112	3803317	162.591	ng		0.00
7) Phenol-d6	6.957	99	5104893	169.796	ng		0.00
23) Nitrobenzene-d5	8.922	82	4314346	163.878	ng		0.00
42) 2,4,6-Tribromophenol	15.922	330	2025211	186.035	ng		0.00
45) 2-Fluorobiphenyl	13.016	172	9471932	148.993	ng		0.00
79) Terphenyl-d14	19.939	244	13193577	146.201	ng		0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.317	88	719424	78.401	ng		99
3) Pyridine	3.716	79	2086180m	87.444	ng		
4) n-Nitrosodimethylamine	3.622	42	672598	79.479	ng		98
6) Aniline	7.110	93	2112268	76.717	ng		98
8) 2-Chlorophenol	7.346	128	2039550	82.376	ng		99
9) Benzaldehyde	6.922	77	842969	61.412	ng		98
10) Phenol	6.987	94	2556863	84.573	ng		99
11) bis(2-Chloroethyl)ether	7.199	93	1979282	83.121	ng		100
12) 1,3-Dichlorobenzene	7.663	146	2110081	77.577	ng		99
13) 1,4-Dichlorobenzene	7.810	146	2159502	78.507	ng		99
14) 1,2-Dichlorobenzene	8.122	146	2060216	78.042	ng		99
15) Benzyl Alcohol	8.010	79	1663098	90.370	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.299	45	1950889	84.398	ng		99
17) 2-Methylphenol	8.216	107	1619006	87.877	ng		99
18) Hexachloroethane	8.846	117	773060	78.037	ng		97
19) n-Nitroso-di-n-propyla...	8.575	70	1455297	90.027	ng		99
20) 3+4-Methylphenols	8.546	107	2240243	89.384	ng		98
22) Acetophenone	8.587	105	3007941	79.697	ng	#	99
24) Nitrobenzene	8.969	77	2118548	81.768	ng		98
25) Isophorone	9.493	82	3813082	88.570	ng		98
26) 2-Nitrophenol	9.669	139	1129770	94.646	ng		97
27) 2,4-Dimethylphenol	9.734	122	1361694	86.904	ng		99
28) bis(2-Chloroethoxy)met...	9.963	93	2576867	82.625	ng		100
29) 2,4-Dichlorophenol	10.204	162	1875825	87.724	ng		99
30) 1,2,4-Trichlorobenzene	10.416	180	1946046	79.431	ng		99
31) Naphthalene	10.604	128	6278869	79.507	ng		100
33) 4-Chloroaniline	10.716	127	2336710	83.990	ng		99
34) Hexachlorobutadiene	10.887	225	1124081	79.213	ng		99
35) Caprolactam	11.528	113	654999	101.156	ng		97
36) 4-Chloro-3-methylphenol	11.845	107	2042687	92.924	ng		99
37) 2-Methylnaphthalene	12.210	142	4316966	82.244	ng		99
38) 1-Methylnaphthalene	12.434	142	4227550	82.791	ng		99
40) 1,2,4,5-Tetrachloroben...	12.581	216	2120251	77.644	ng		100
41) Hexachlorocyclopentadiene	12.563	237	788854	77.633	ng		99
43) 2,4,6-Trichlorophenol	12.822	196	1443797	86.697	ng		99
44) 2,4,5-Trichlorophenol	12.904	196	1575527	86.506	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024167.D
Acq On : 12 Mar 2025 21:02
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Quant Time: Mar 13 04:10:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	13.228	154	5406424	78.284	ng		99
47) 2-Chloronaphthalene	13.269	162	4094698	78.432	ng		100
48) 2-Nitroaniline	13.475	65	1150637	93.303	ng		98
49) Acenaphthylene	14.122	152	6343598	82.473	ng		99
50) Dimethylphthalate	13.857	163	5115780	81.603	ng		100
51) 2,6-Dinitrotoluene	13.975	165	1146015	89.740	ng		97
52) Acenaphthene	14.469	154	3985981	80.473	ng		99
53) 3-Nitroaniline	14.310	138	1277036	93.713	ng		98
55) Dibenzofuran	14.810	168	6287848	78.144	ng		99
56) 4-Nitrophenol	14.639	139	1110260	94.320	ng		99
57) 2,4-Dinitrotoluene	14.775	165	1584658	95.524	ng		97
58) Fluorene	15.469	166	4983161	79.298	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.045	232	1371535	86.797	ng		100
60) Diethylphthalate	15.245	149	5221159	83.898	ng		98
61) 4-Chlorophenyl-phenyle...	15.463	204	2453010	79.305	ng		99
62) 4-Nitroaniline	15.498	138	1346814	95.238	ng		95
63) Azobenzene	15.763	77	4851665	83.196	ng		99
65) 4,6-Dinitro-2-methylph...	15.557	198	924643	94.517	ng		97
66) n-Nitrosodiphenylamine	15.686	169	4231796	80.285	ng		99
67) 4-Bromophenyl-phenylether	16.381	248	1565037	82.455	ng		94
68) Hexachlorobenzene	16.498	284	1841149	82.437	ng		99
70) Pentachlorophenol	16.851	266	1334567	92.003	ng		100
71) Phenanthrene	17.251	178	7450840	78.188	ng		99
72) Anthracene	17.345	178	7420971	81.264	ng		99
73) Carbazole	17.628	167	7209600	82.862	ng		98
74) Di-n-butylphthalate	18.216	149	8819030	86.868	ng		99
75) Fluoranthene	19.339	202	8868502	82.280	ng		99
77) Benzidine	19.533	184	1583965	72.794	ng		100
78) Pyrene	19.722	202	9100075	80.230	ng		99
80) Butylbenzylphthalate	20.669	149	4117551	94.735	ng		97
81) Benzo(a)anthracene	21.657	228	9075269	81.050	ng		98
82) 3,3'-Dichlorobenzidine	21.574	252	3216378	91.925	ng		99
83) Chrysene	21.721	228	8635685	79.981	ng		99
84) Bis(2-ethylhexyl)phtha...	21.592	149	6077881	92.215	ng	#	98
85) Di-n-octyl phthalate	22.898	149	10239008	97.189	ng		100
87) Indeno(1,2,3-cd)pyrene	28.962	276	11842118	84.301	ng		100
88) Benzo(b)fluoranthene	24.004	252	9984031	79.623	ng		98
89) Benzo(k)fluoranthene	24.080	252	9728938	79.712	ng		98
90) Benzo(a)pyrene	24.921	252	8860063	83.259	ng		99
91) Dibenzo(a,h)anthracene	29.039	278	9828241	83.210	ng		98
92) Benzo(g,h,i)perylene	30.180	276	9940803	82.940	ng		98

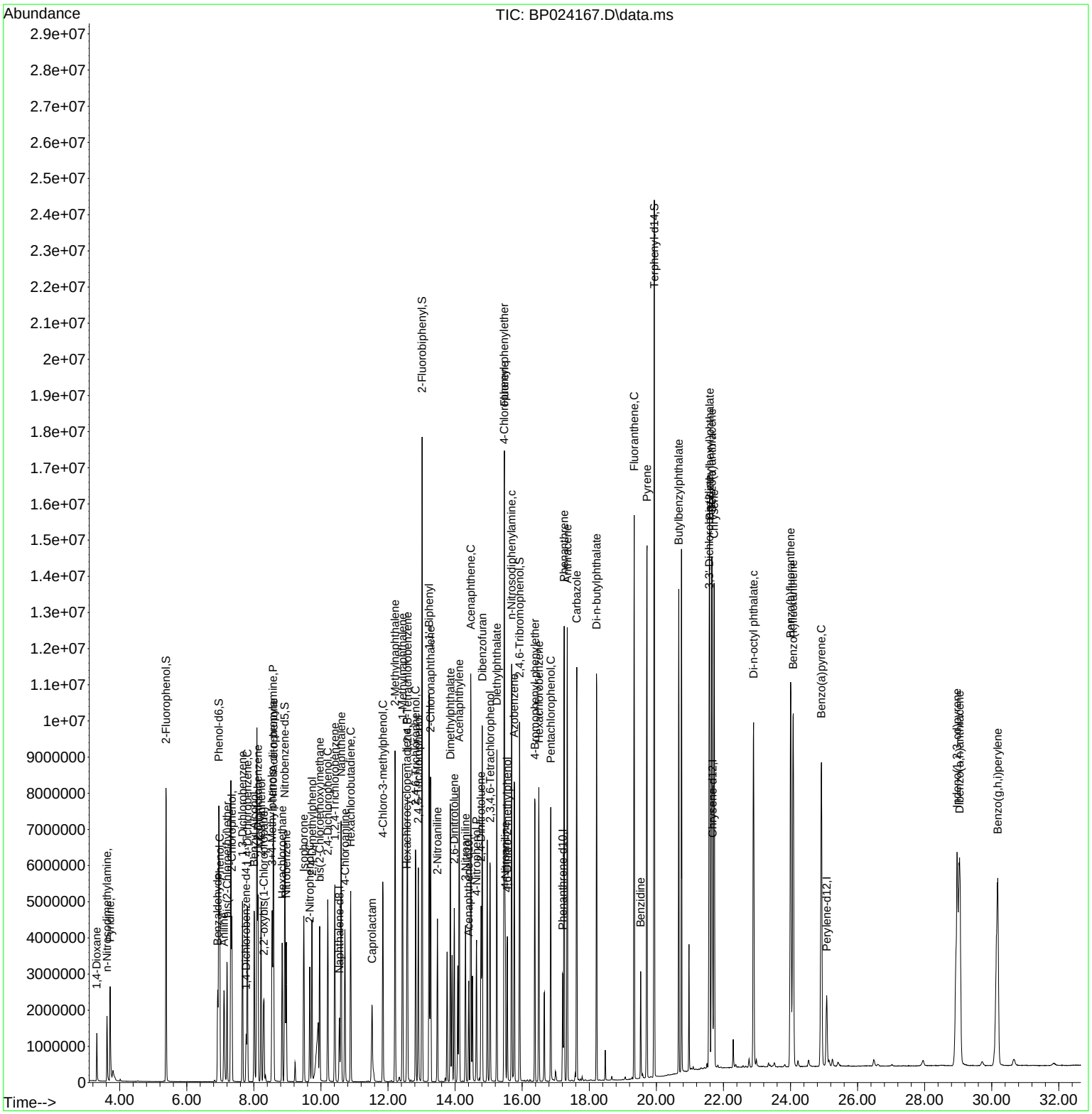
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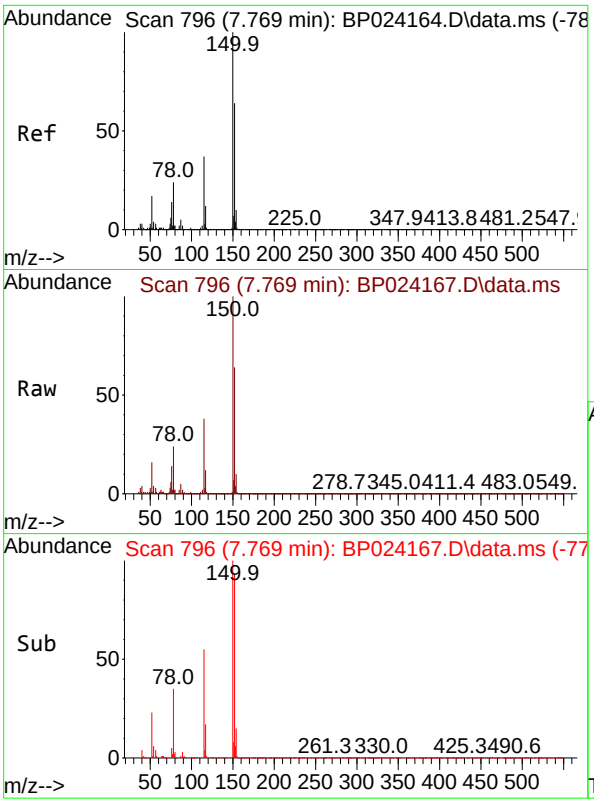
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024167.D
Acq On : 12 Mar 2025 21:02
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Quant Time: Mar 13 04:10:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:01:12 2025
Response via : Initial Calibration



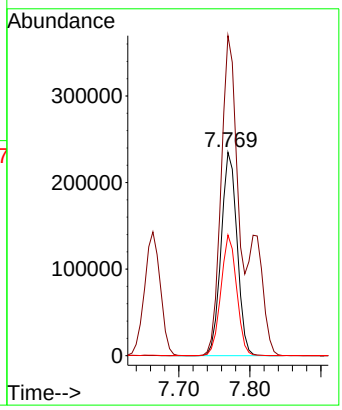


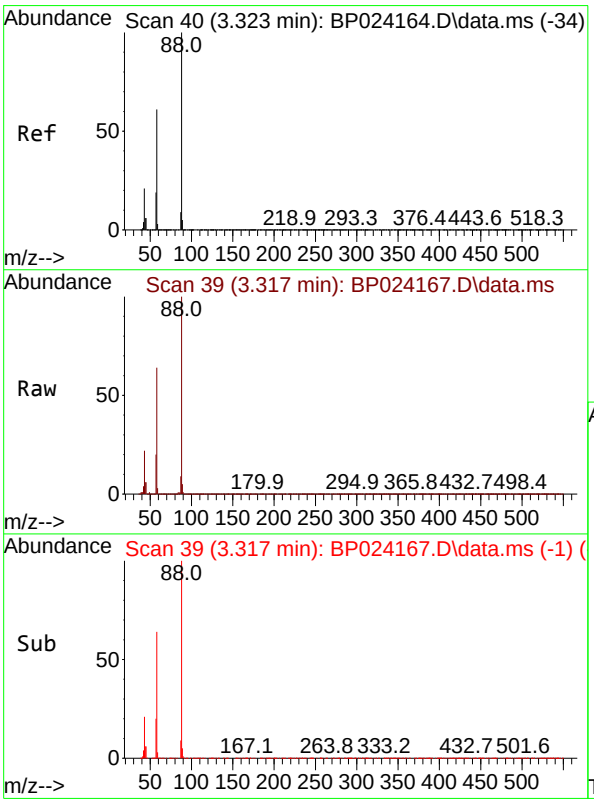
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 364999

Ion	Ratio	Lower	Upper
152	100		
150	157.3	125.5	188.3
115	59.3	46.3	69.5

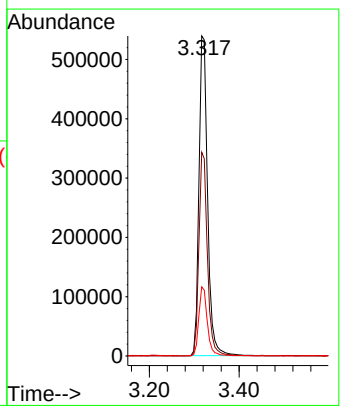


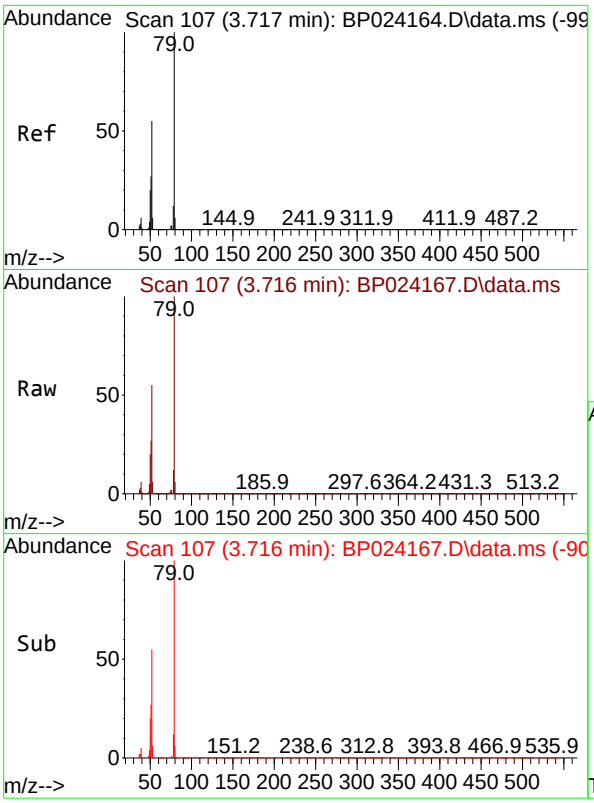


#2
1,4-Dioxane
Concen: 78.401 ng
RT: 3.317 min Scan# 39
Delta R.T. -0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion: 88 Resp: 719424

Ion	Ratio	Lower	Upper
88	100		
58	62.6	49.8	74.6
43	21.2	17.3	25.9



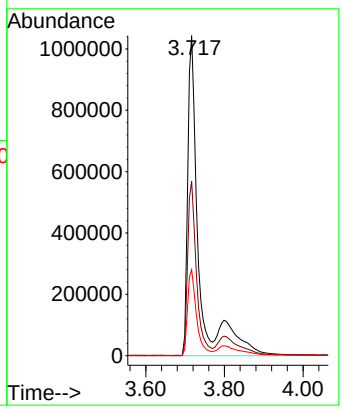


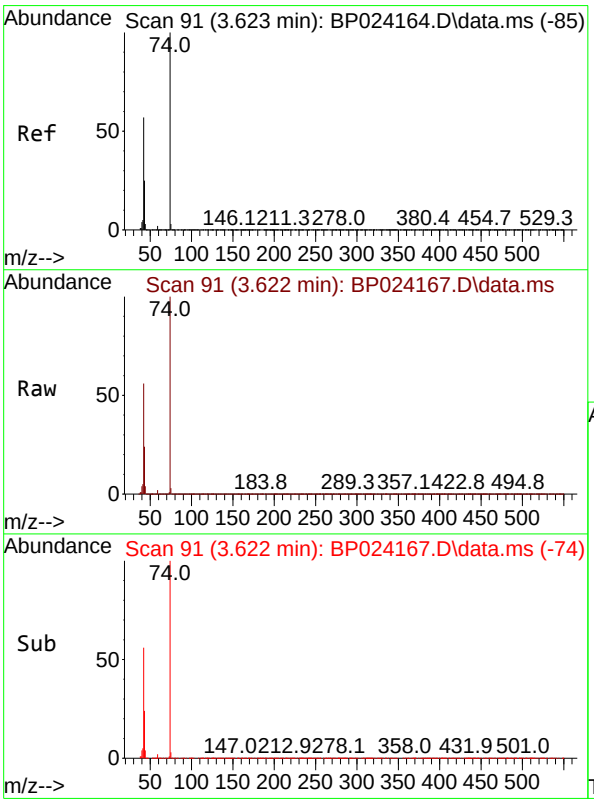
#3
Pyridine
Concen: 87.444 ng m
RT: 3.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 2086180

Ion	Ratio	Lower	Upper
79	100		
52	54.6	43.8	65.8
51	26.9	21.6	32.4

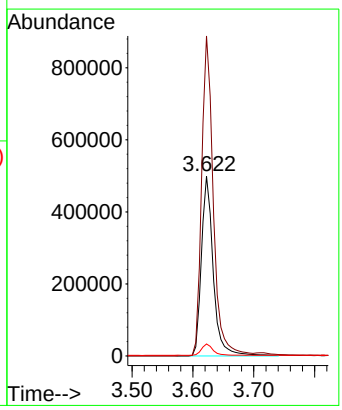


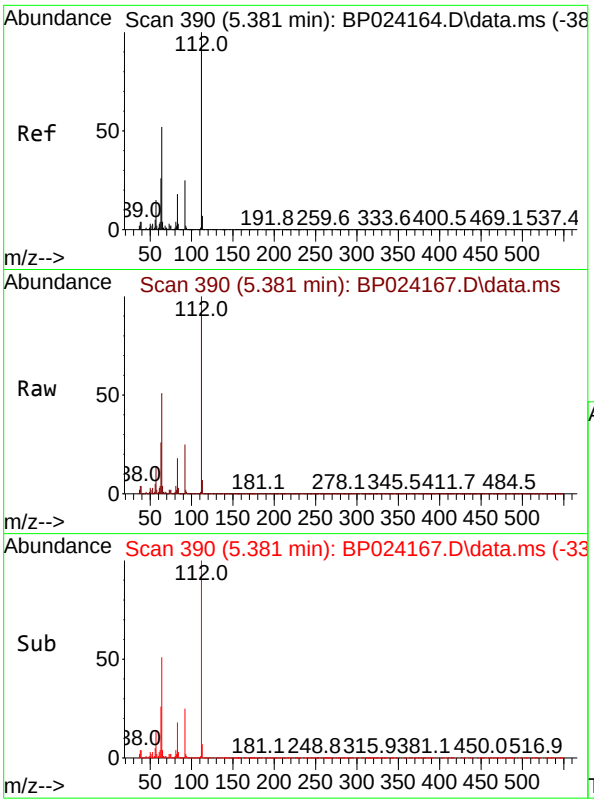


#4
n-Nitrosodimethylamine
Concen: 79.479 ng
RT: 3.622 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion: 42 Resp: 672598

Ion	Ratio	Lower	Upper
42	100		
74	177.9	139.8	209.6
44	6.7	5.3	7.9



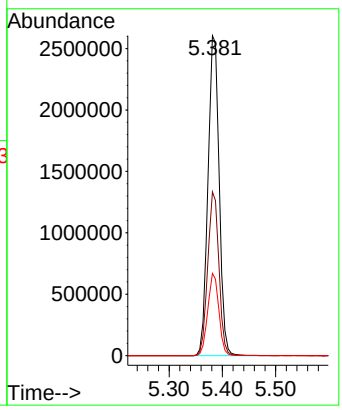


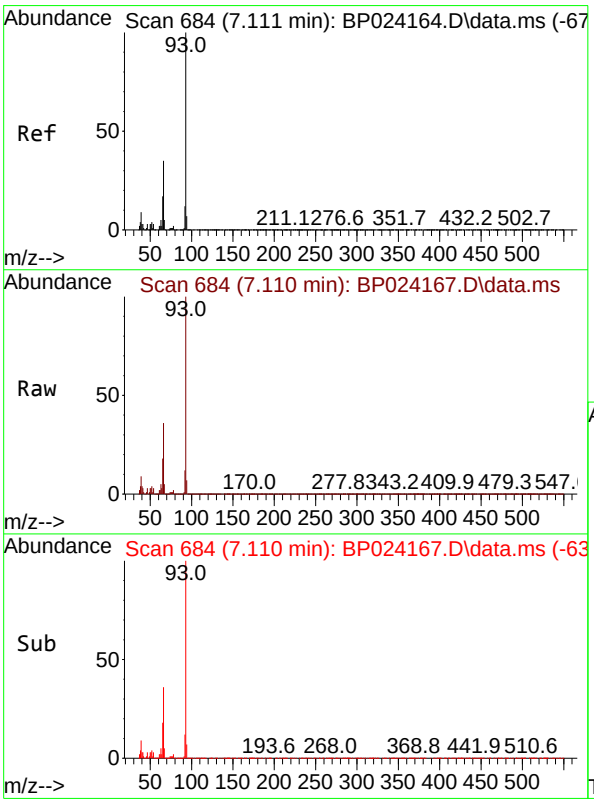
#5
2-Fluorophenol
Concen: 162.591 ng
RT: 5.381 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 3803317

Ion	Ratio	Lower	Upper
112	100		
64	51.2	41.3	61.9
63	25.7	20.6	31.0

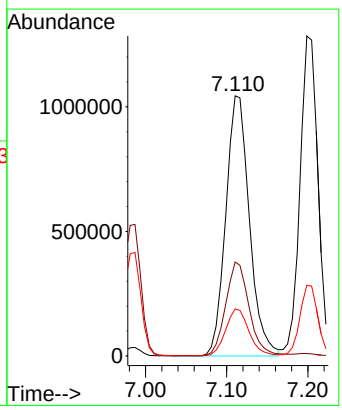


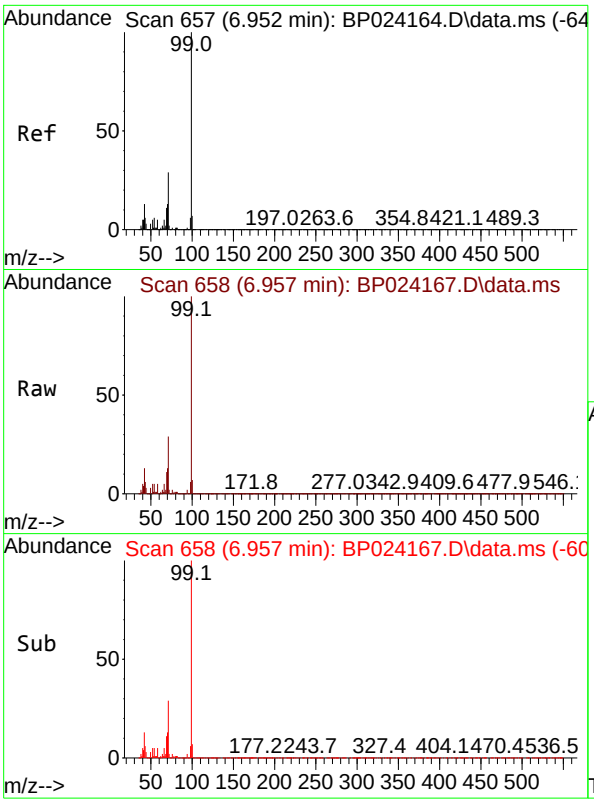


#6
Aniline
Concen: 76.717 ng
RT: 7.110 min Scan# 684
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion: 93 Resp: 2112268

Ion	Ratio	Lower	Upper
93	100		
66	36.1	28.2	42.2
65	18.1	14.0	21.0



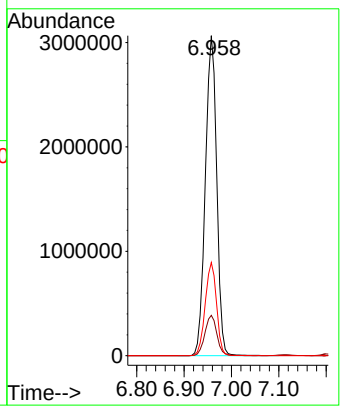


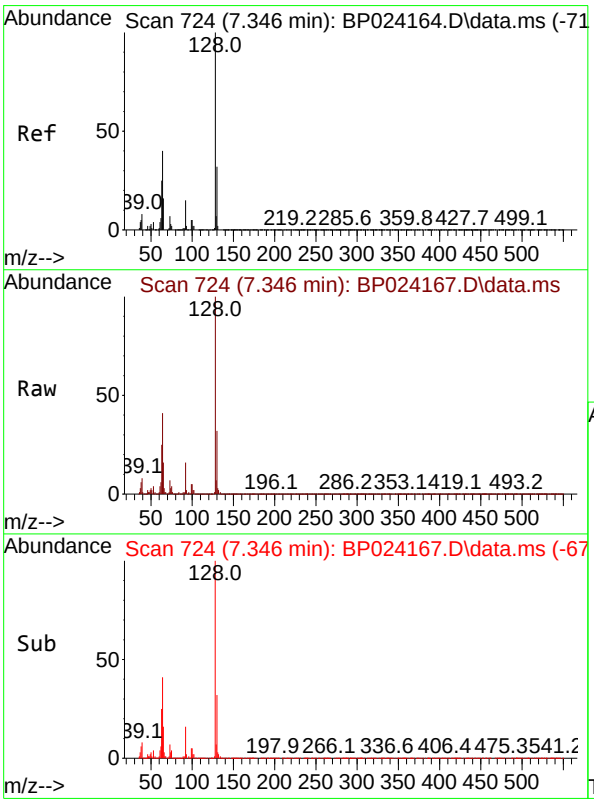
#7
Phenol-d6
Concen: 169.796 ng
RT: 6.957 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 5104893

Ion	Ratio	Lower	Upper
99	100		
42	12.6	10.6	16.0
71	29.1	23.3	34.9

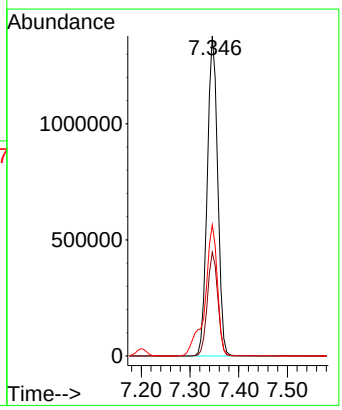


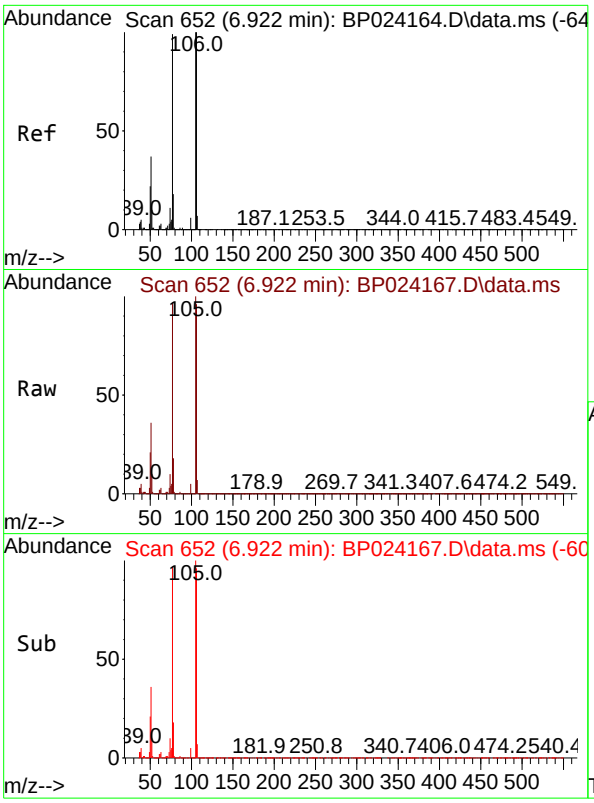


#8
2-Chlorophenol
Concen: 82.376 ng
RT: 7.346 min Scan# 724
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:128 Resp: 2039550

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.0	52.0
64	41.0	21.6	61.6



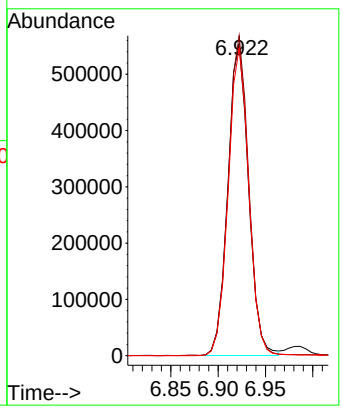


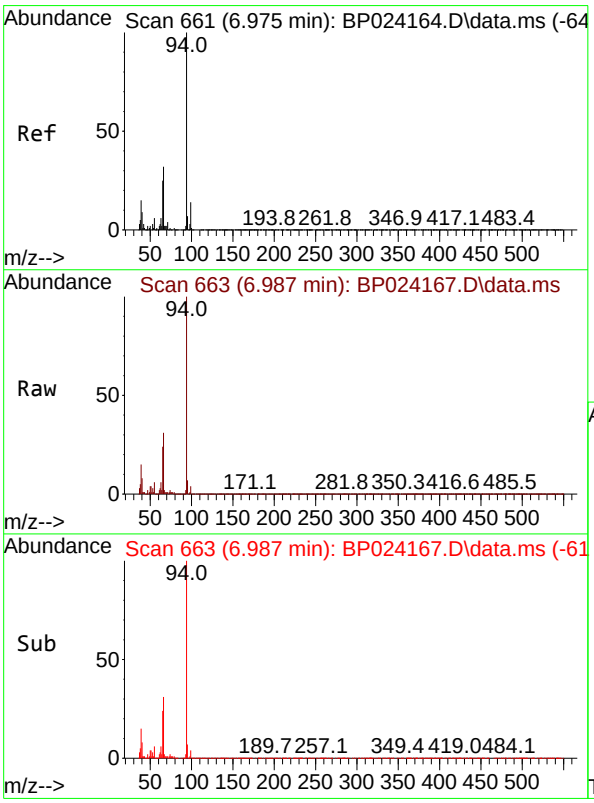
#9
Benzaldehyde
Concen: 61.412 ng
RT: 6.922 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 842969

Ion	Ratio	Lower	Upper
77	100		
105	102.7	81.4	121.4
106	98.8	81.1	121.1

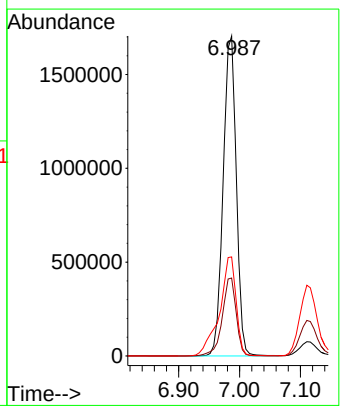


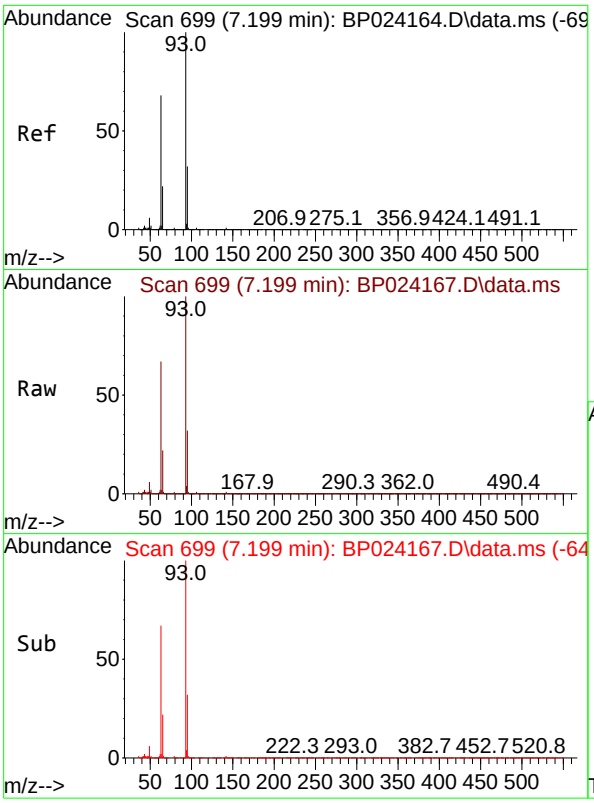


#10
Phenol
Concen: 84.573 ng
RT: 6.987 min Scan# 663
Delta R.T. 0.012 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion: 94 Resp: 2556863

Ion	Ratio	Lower	Upper
94	100		
65	24.4	4.9	44.9
66	31.0	11.9	51.9



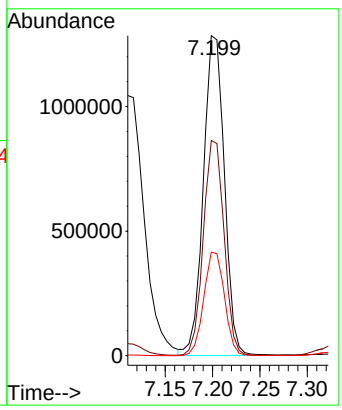


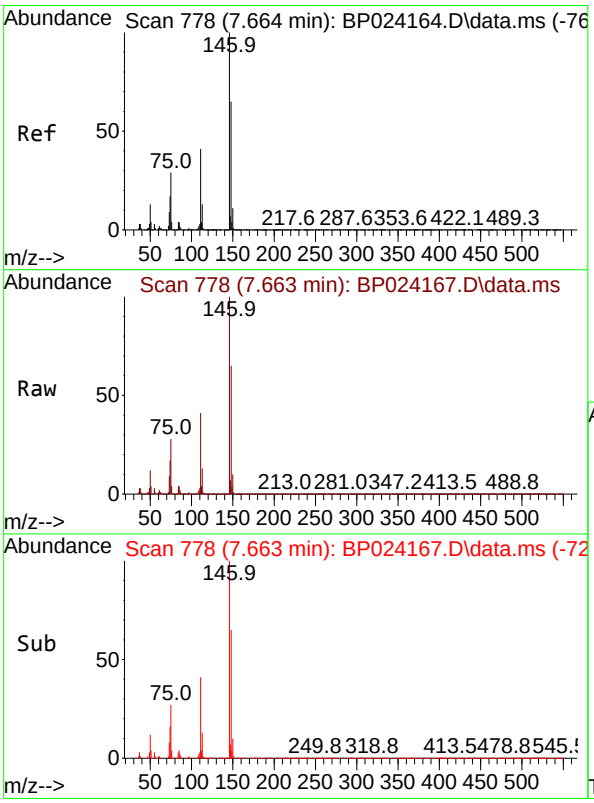
#11
bis(2-Chloroethyl)ether
Concen: 83.121 ng
RT: 7.199 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 1979282

Ion	Ratio	Lower	Upper
93	100		
63	67.3	47.4	87.4
95	32.3	12.1	52.1

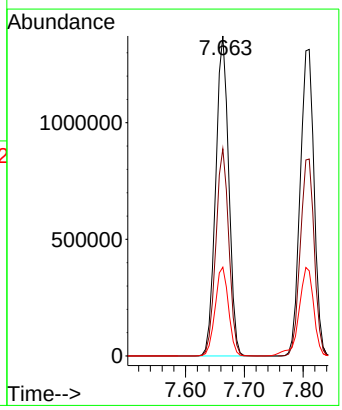


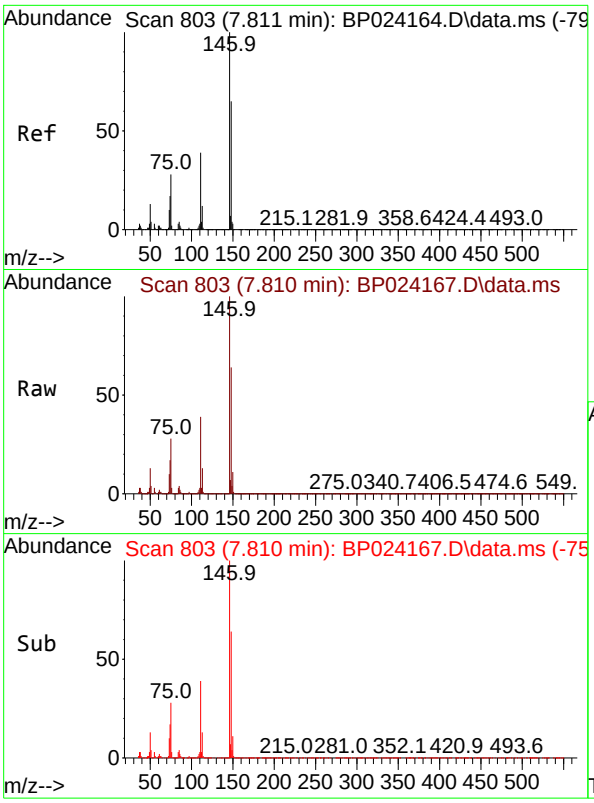


#12
1,3-Dichlorobenzene
Concen: 77.577 ng
RT: 7.663 min Scan# 778
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:146 Resp: 2110081

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.6	77.4
75	27.8	22.8	34.2



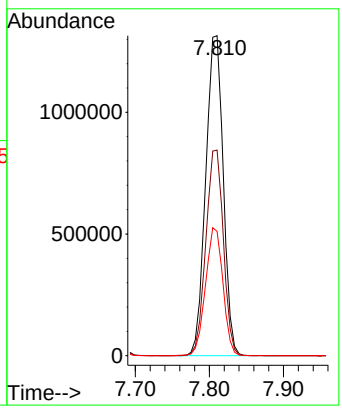


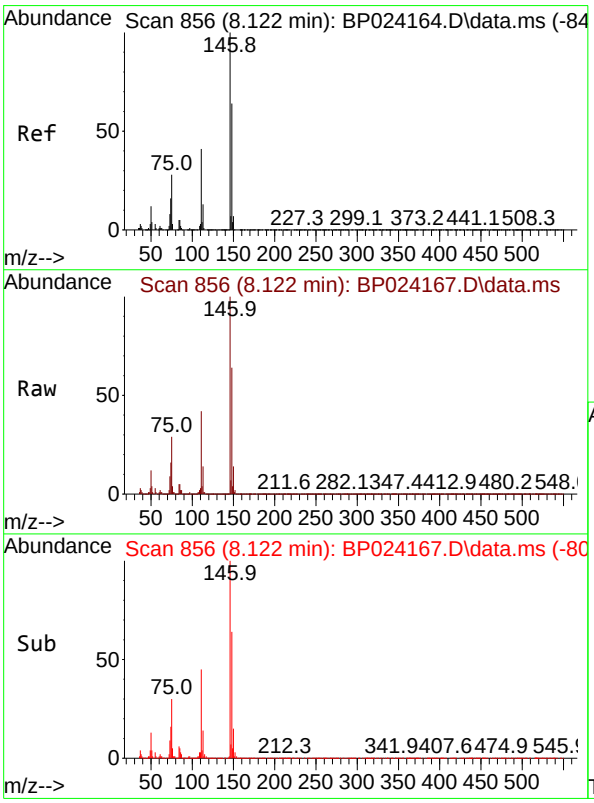
#13
1,4-Dichlorobenzene
Concen: 78.507 ng
RT: 7.810 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 2159502

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.9	77.9
111	38.9	31.4	47.2

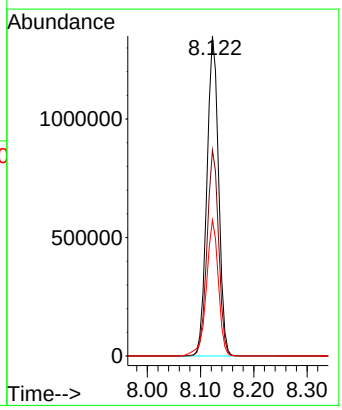


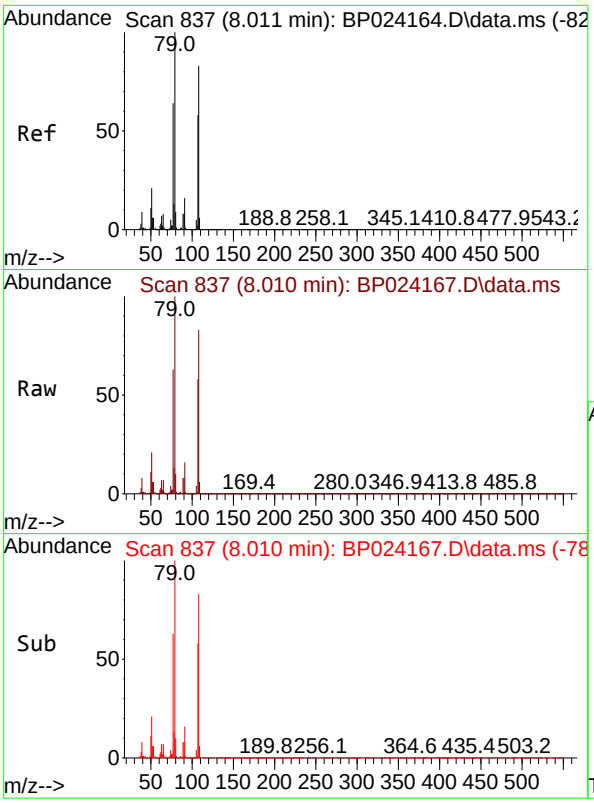


#14
1,2-Dichlorobenzene
Concen: 78.042 ng
RT: 8.122 min Scan# 856
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:146 Resp: 2060216

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.4	77.2
111	42.5	33.2	49.8



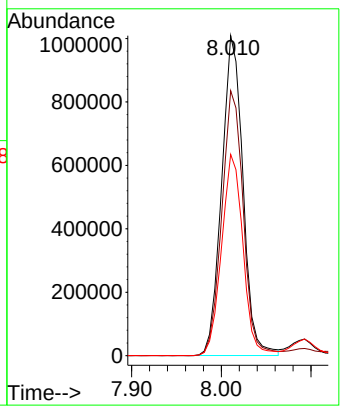


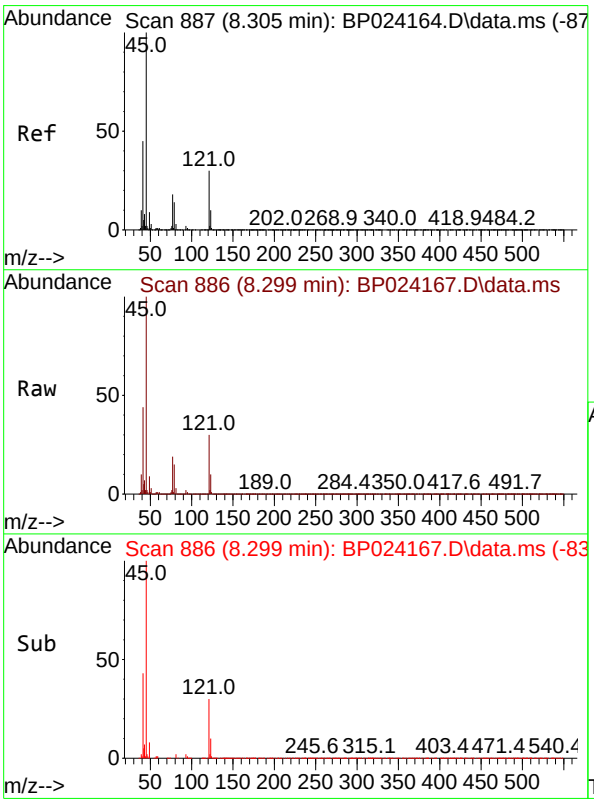
#15
Benzyl Alcohol
Concen: 90.370 ng
RT: 8.010 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 1663098

Ion	Ratio	Lower	Upper
79	100		
108	82.8	66.5	99.7
77	62.9	50.9	76.3

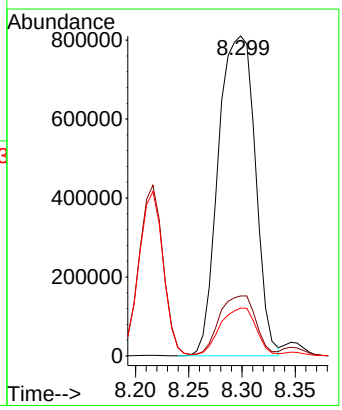


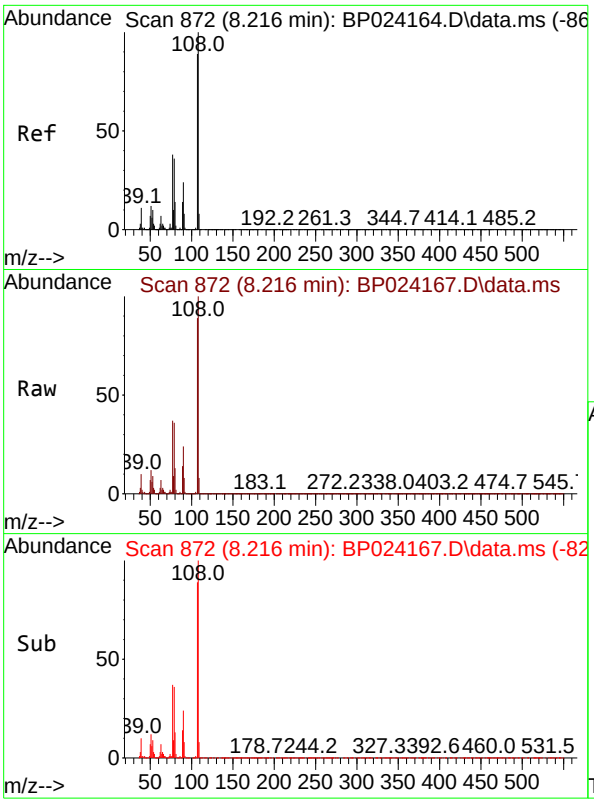


#16
2,2'-oxybis(1-Chloropropane)
Concen: 84.398 ng
RT: 8.299 min Scan# 886
Delta R.T. -0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion: 45 Resp: 1950889

Ion	Ratio	Lower	Upper
45	100		
77	18.8	0.0	39.0
79	15.0	0.0	35.6



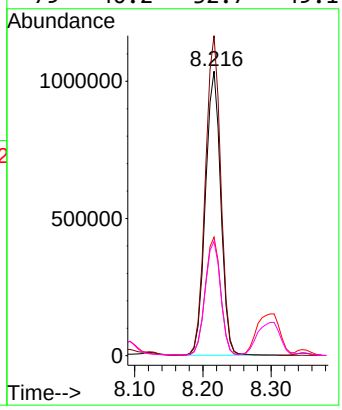


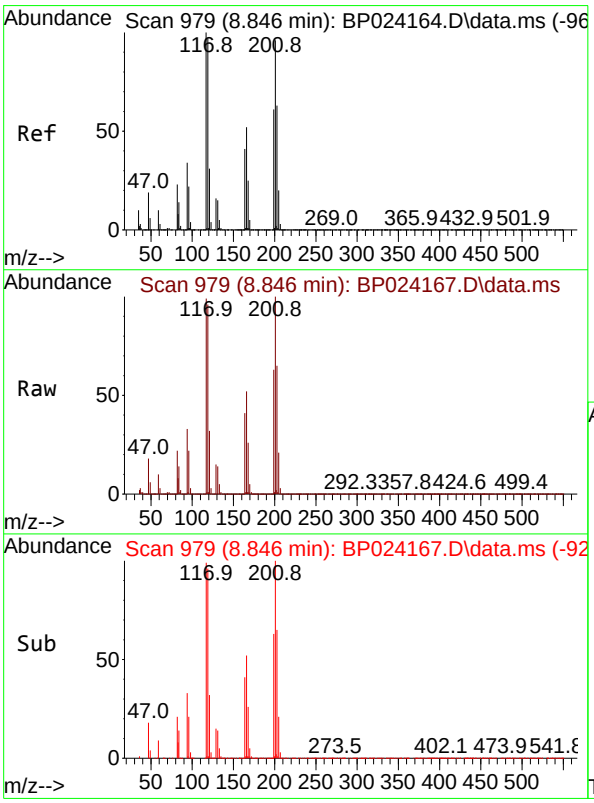
#17
2-Methylphenol
Concen: 87.877 ng
RT: 8.216 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 1619006

Ion	Ratio	Lower	Upper
107	100		
108	112.5	90.0	135.0
77	41.7	34.0	51.0
79	40.2	32.7	49.1

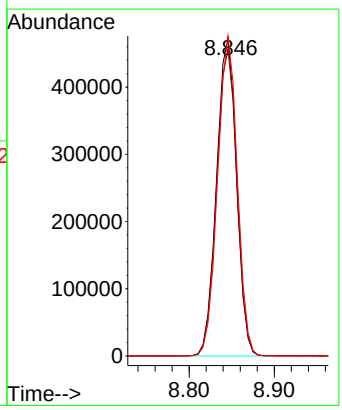


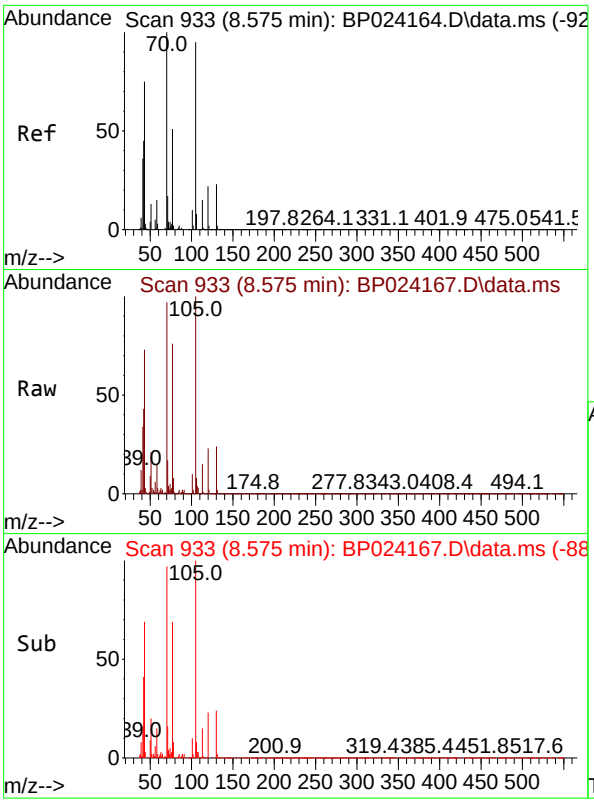


#18
Hexachloroethane
Concen: 78.037 ng
RT: 8.846 min Scan# 979
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:117 Resp: 773060

Ion	Ratio	Lower	Upper
117	100		
119	96.8	77.4	116.0
201	101.0	76.6	114.8



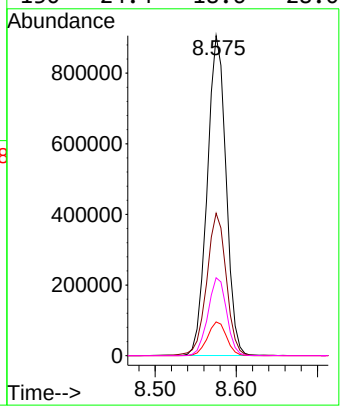


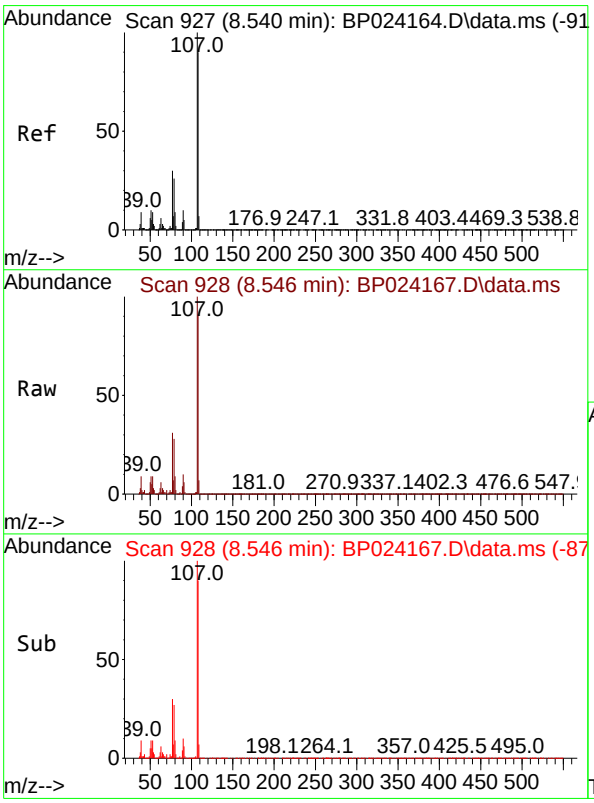
#19
n-Nitroso-di-n-propylamine
Concen: 90.027 ng
RT: 8.575 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 70 Resp: 1455297

Ion	Ratio	Lower	Upper
70	100		
42	44.5	36.0	54.0
101	10.6	8.3	12.5
130	24.4	18.6	28.0

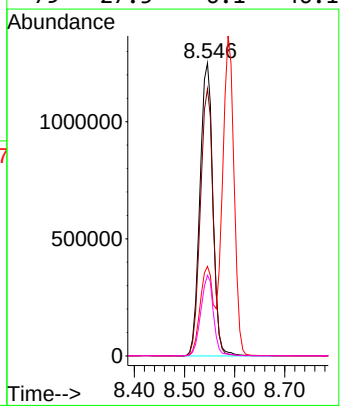


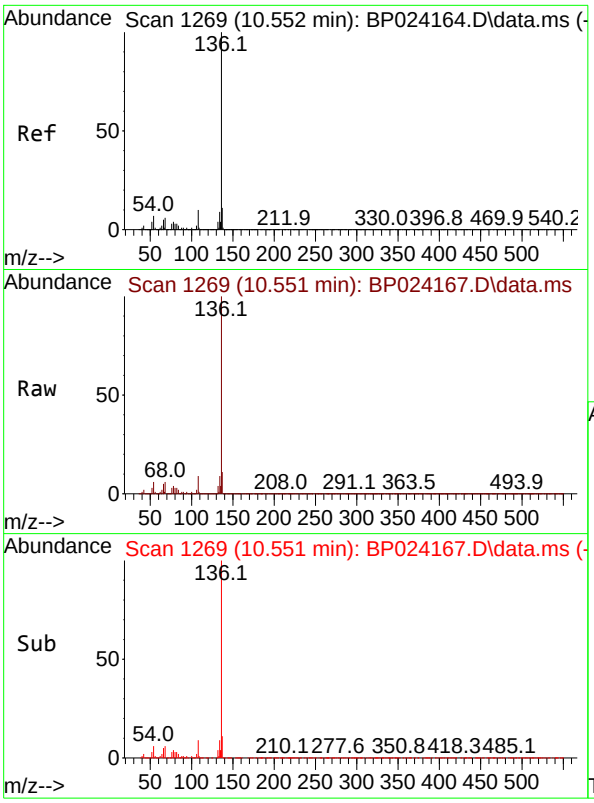


#20
3+4-Methylphenols
Concen: 89.384 ng
RT: 8.546 min Scan# 928
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:107 Resp: 2240243

Ion	Ratio	Lower	Upper
107	100		
108	91.2	69.7	109.7
77	30.6	10.3	50.3
79	27.5	6.1	46.1



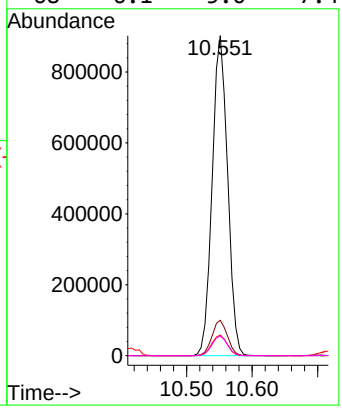


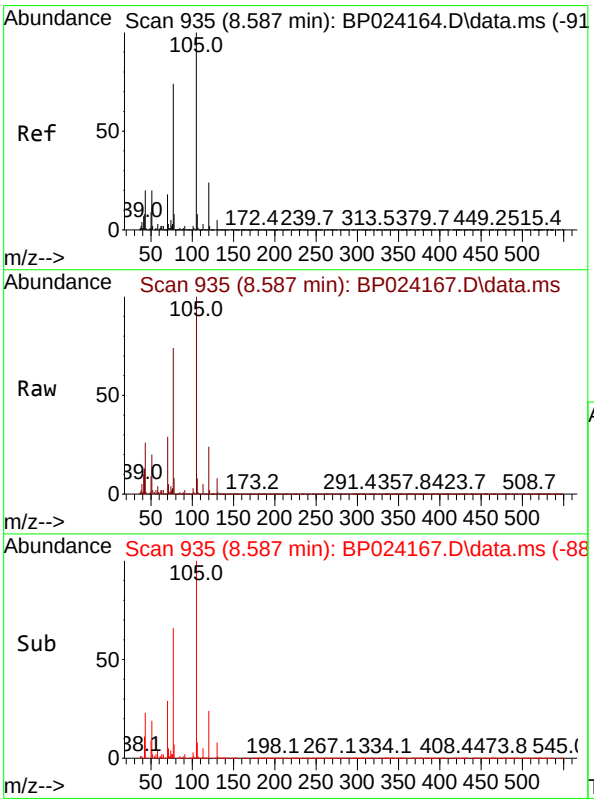
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.551 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:136 Resp: 1468727

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	6.5	5.3	7.9
68	6.1	5.0	7.4

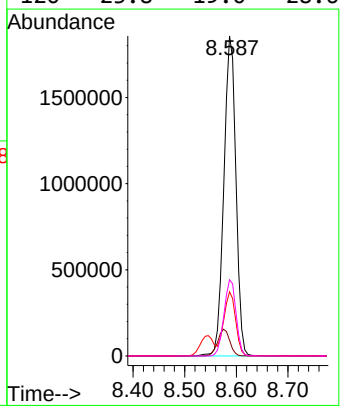


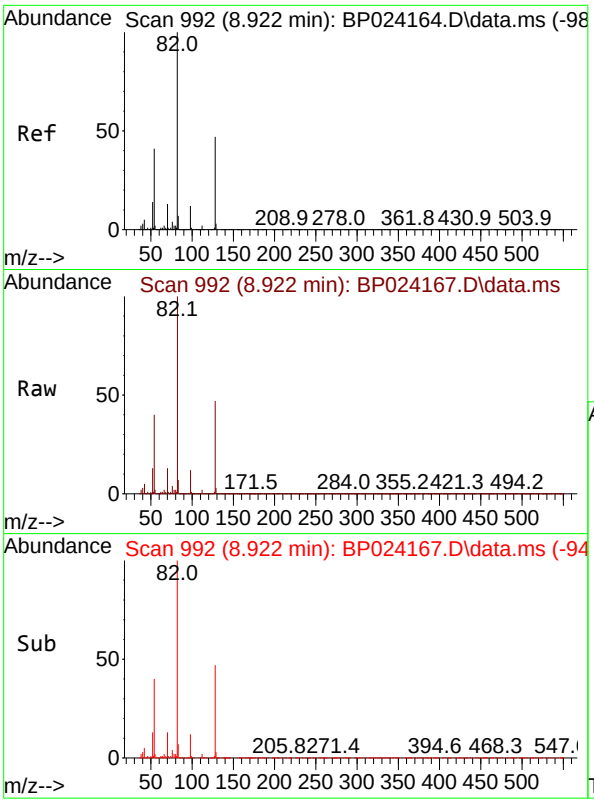


#22
Acetophenone
Concen: 79.697 ng
RT: 8.587 min Scan# 935
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:105 Resp: 3007941

Ion	Ratio	Lower	Upper
105	100		
71	4.9	2.4	3.6#
51	20.0	16.2	24.2
120	23.8	19.0	28.6



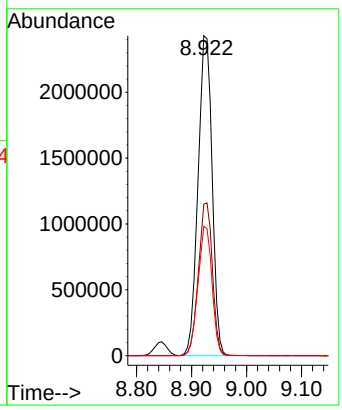


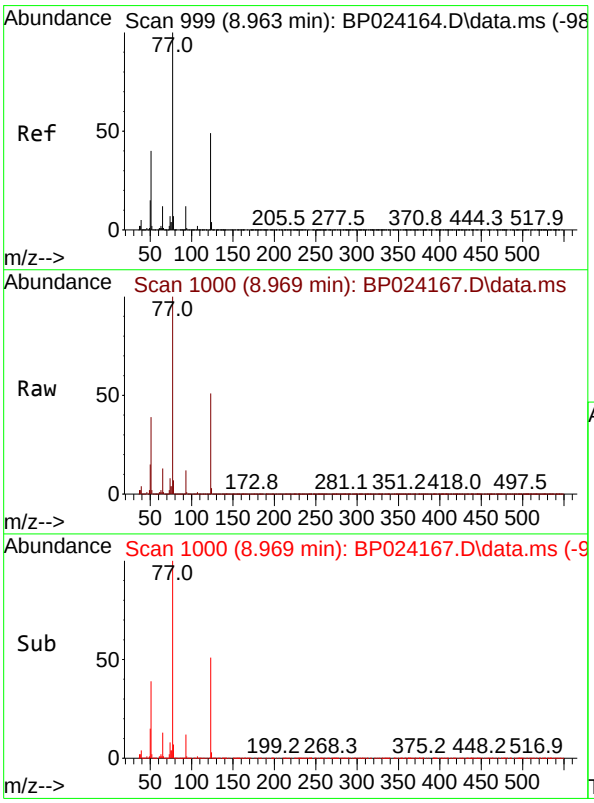
#23
Nitrobenzene-d5
Concen: 163.878 ng
RT: 8.922 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 4314346

Ion	Ratio	Lower	Upper
82	100		
128	47.4	37.4	56.0
54	40.4	32.5	48.7

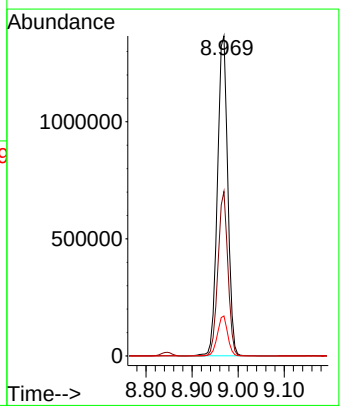


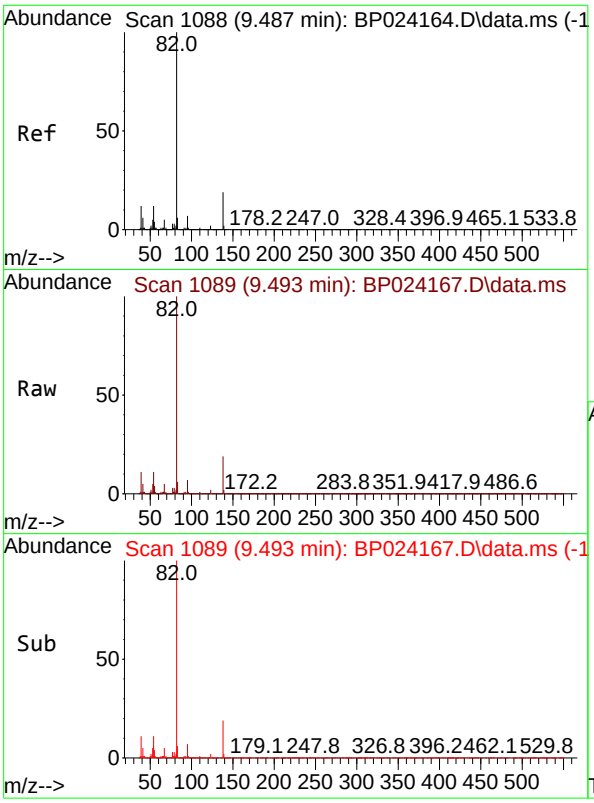


#24
Nitrobenzene
Concen: 81.768 ng
RT: 8.969 min Scan# 1000
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion: 77 Resp: 2118548

Ion	Ratio	Lower	Upper
77	100		
123	51.4	39.4	59.2
65	12.5	9.9	14.9



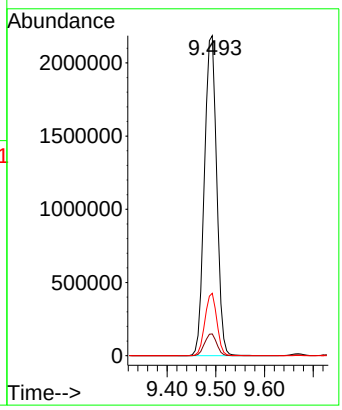


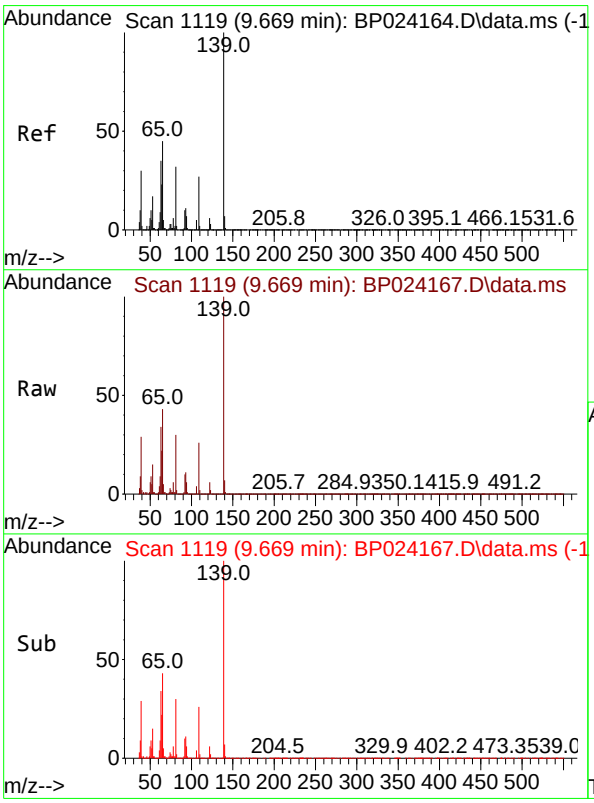
#25
Isophorone
Concen: 88.570 ng
RT: 9.493 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 3813082

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.3	7.9
138	19.5	14.8	22.2

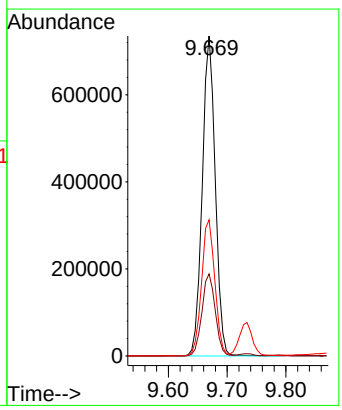


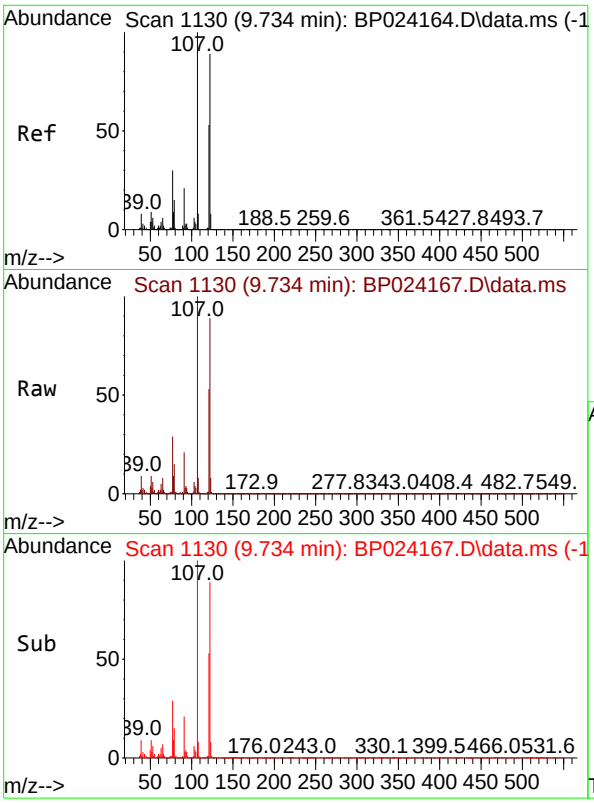


#26
2-Nitrophenol
Concen: 94.646 ng
RT: 9.669 min Scan# 1119
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:139 Resp: 1129770

Ion	Ratio	Lower	Upper
139	100		
109	25.7	21.7	32.5
65	42.6	35.8	53.8



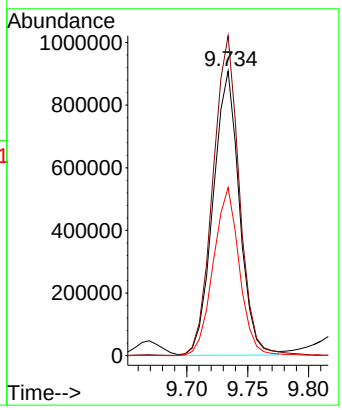


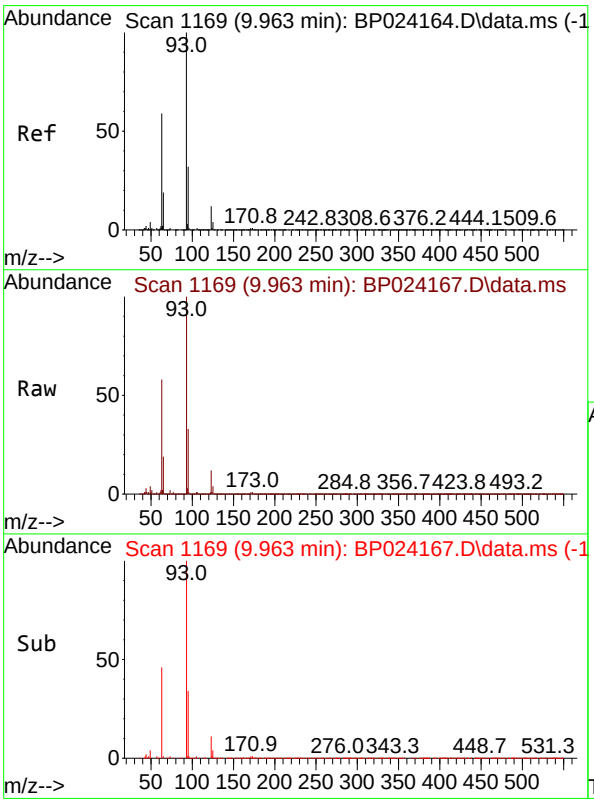
#27
2,4-Dimethylphenol
Concen: 86.904 ng
RT: 9.734 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 1361694

Ion	Ratio	Lower	Upper
122	100		
107	112.4	89.3	133.9
121	59.0	47.5	71.3

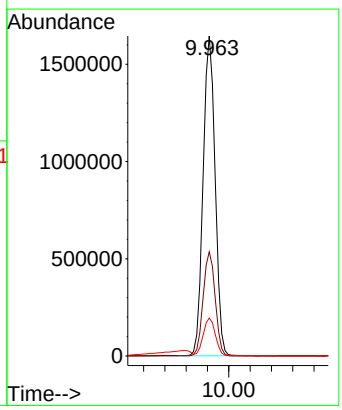


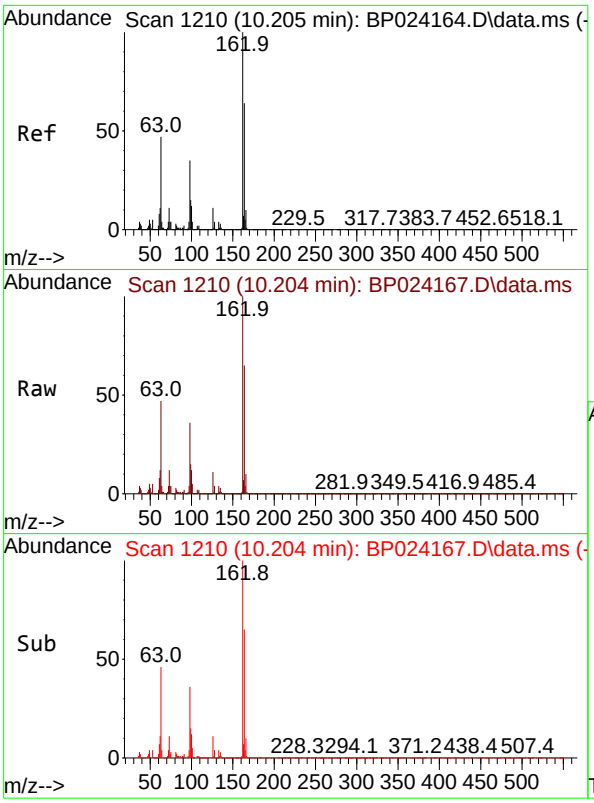


#28
bis(2-Chloroethoxy)methane
Concen: 82.625 ng
RT: 9.963 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion: 93 Resp: 2576867

Ion	Ratio	Lower	Upper
93	100		
95	32.6	25.9	38.9
123	11.8	9.5	14.3



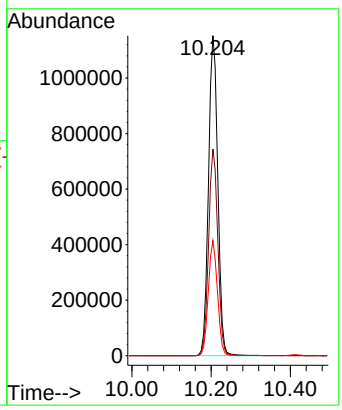


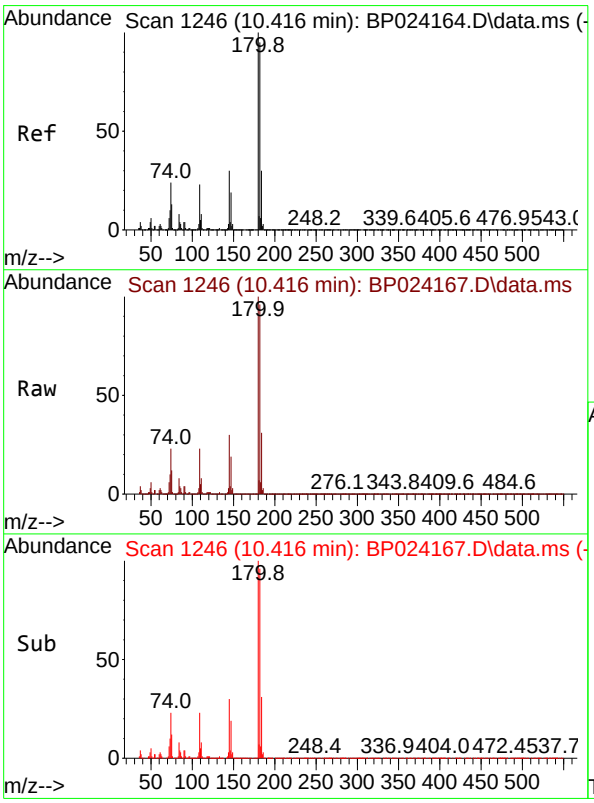
#29
2,4-Dichlorophenol
Concen: 87.724 ng
RT: 10.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 1875825

Ion	Ratio	Lower	Upper
162	100		
164	64.5	44.2	84.2
98	36.0	15.1	55.1

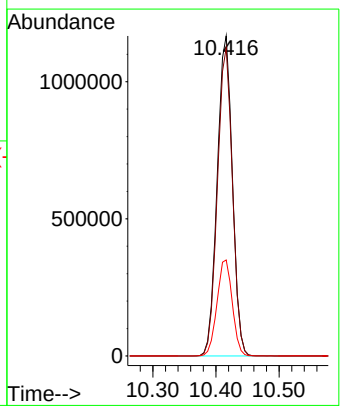


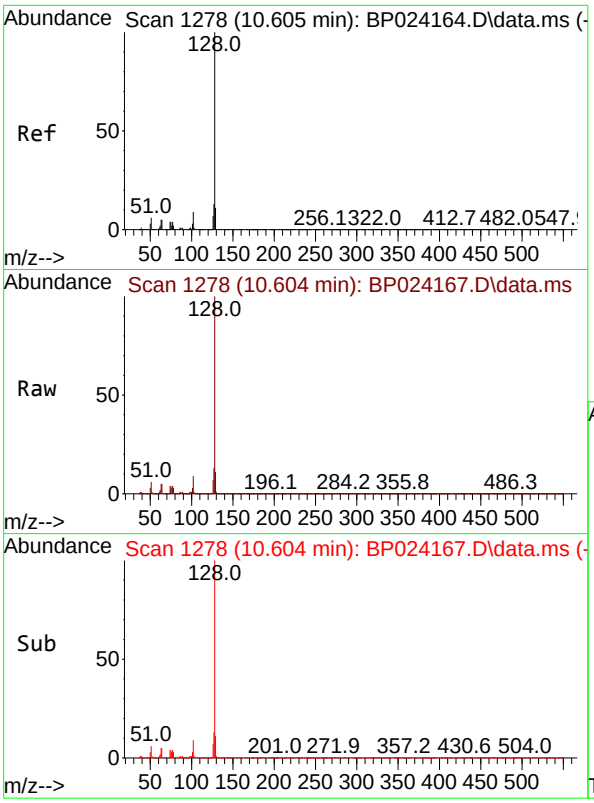


#30
1,2,4-Trichlorobenzene
Concen: 79.431 ng
RT: 10.416 min Scan# 1246
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:180 Resp: 1946046

Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.1	114.1
145	30.0	24.2	36.2



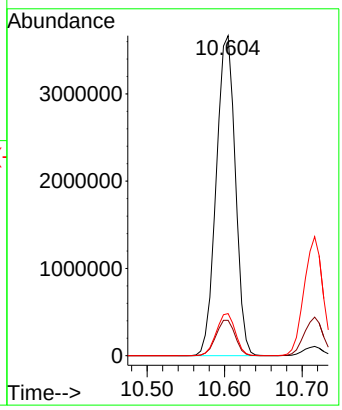


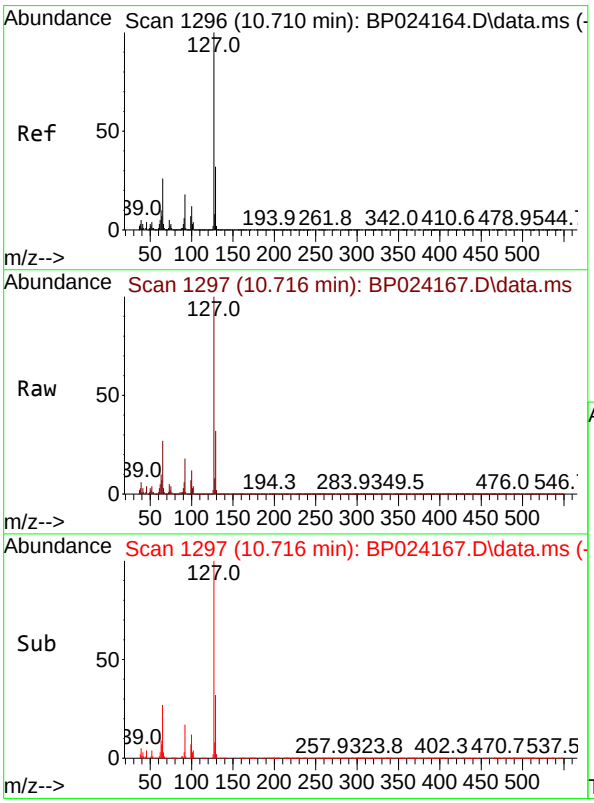
#31
Naphthalene
Concen: 79.507 ng
RT: 10.604 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:128 Resp: 6278869

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.7	13.1
127	13.2	10.4	15.6

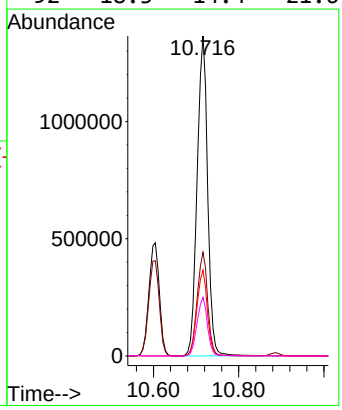


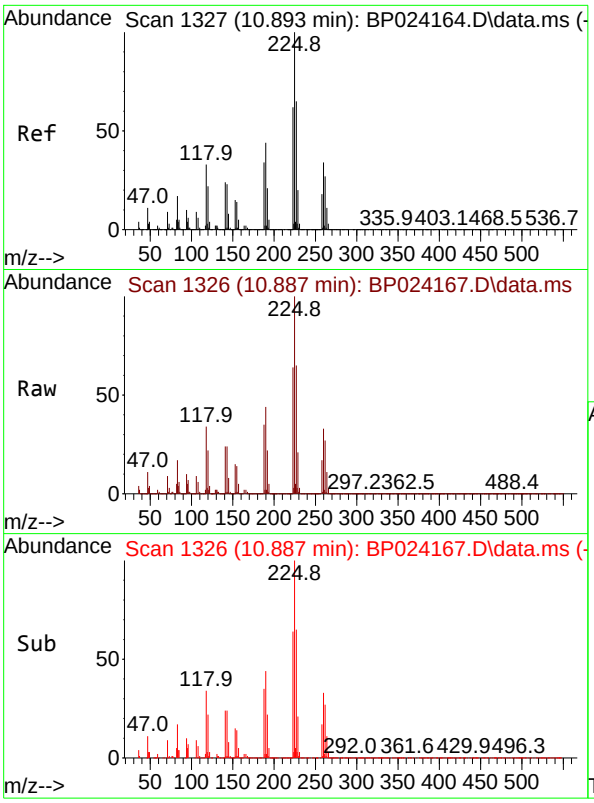


#33
4-Chloroaniline
Concen: 83.990 ng
RT: 10.716 min Scan# 1297
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:127 Resp: 2336710

Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.8	38.6
65	26.8	21.2	31.8
92	18.3	14.4	21.6



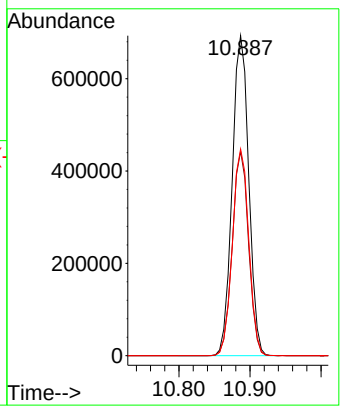


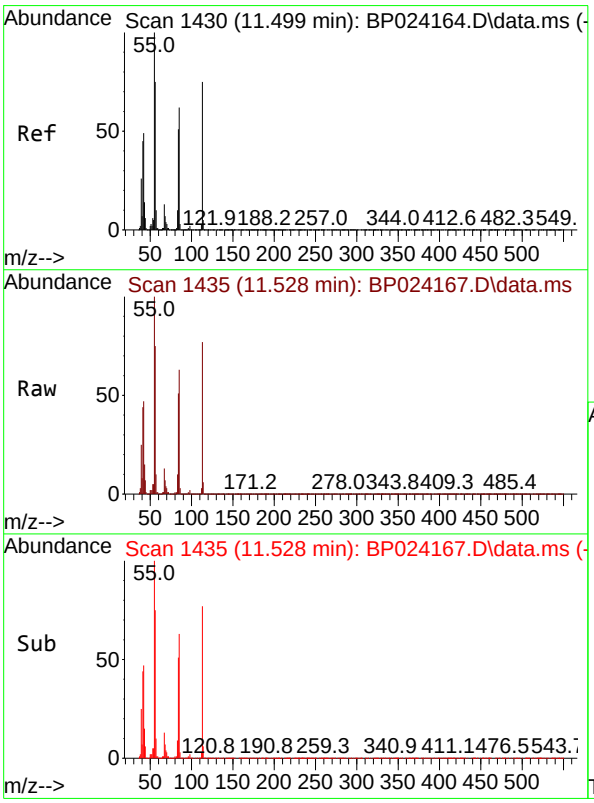
#34
Hexachlorobutadiene
Concen: 79.213 ng
RT: 10.887 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:225 Resp: 1124081

Ion	Ratio	Lower	Upper
225	100		
223	63.9	49.9	74.9
227	64.6	52.2	78.2

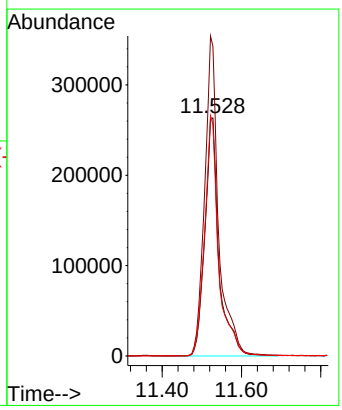


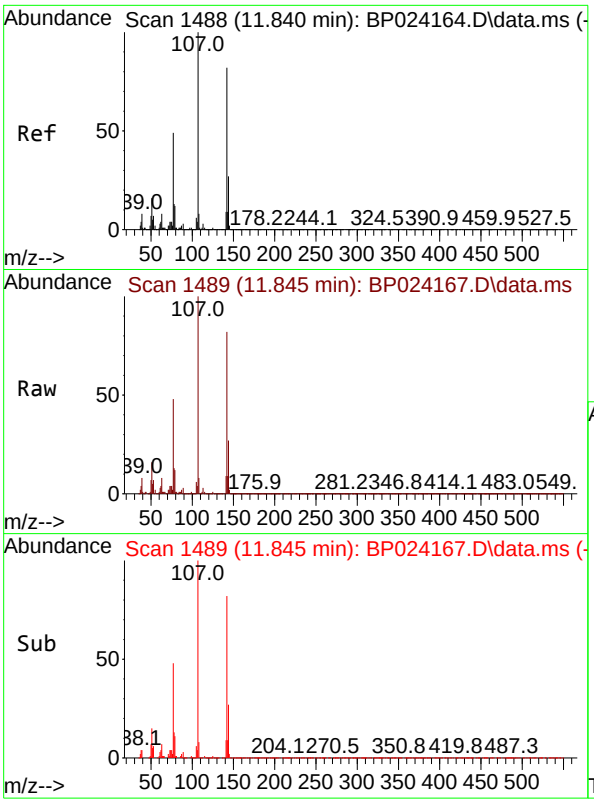


#35
Caprolactam
Concen: 101.156 ng
RT: 11.528 min Scan# 1435
Delta R.T. 0.029 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:113 Resp: 654999

Ion	Ratio	Lower	Upper
113	100		
55	130.2	113.6	153.6
56	97.1	80.0	120.0



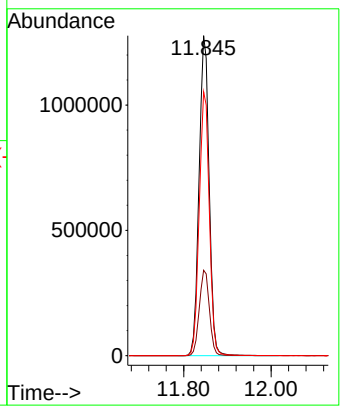


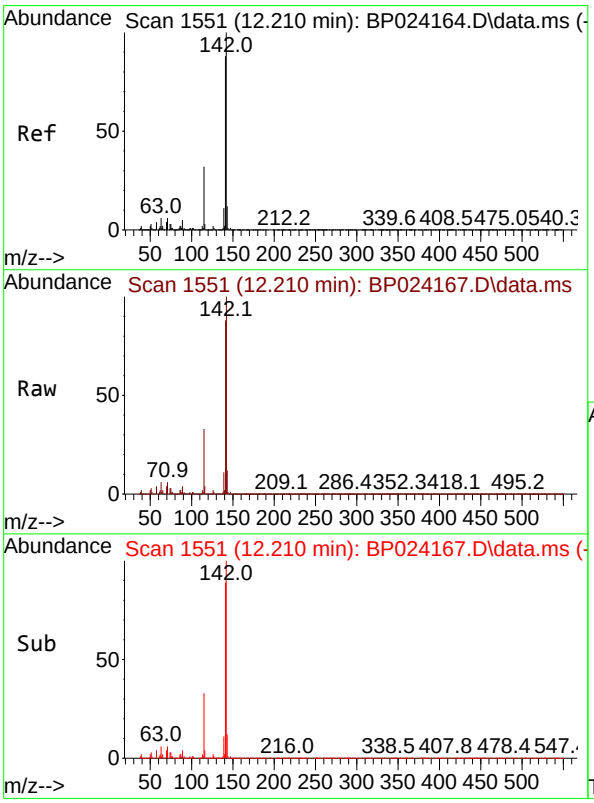
#36
4-Chloro-3-methylphenol
Concen: 92.924 ng
RT: 11.845 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 2042687

Ion	Ratio	Lower	Upper
107	100		
144	26.7	21.6	32.4
142	82.4	65.4	98.0

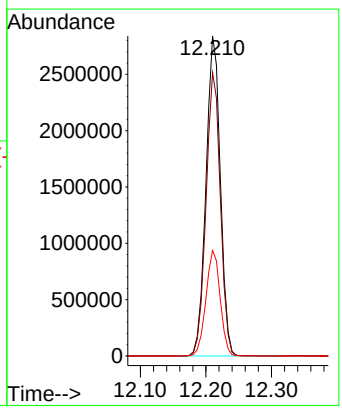


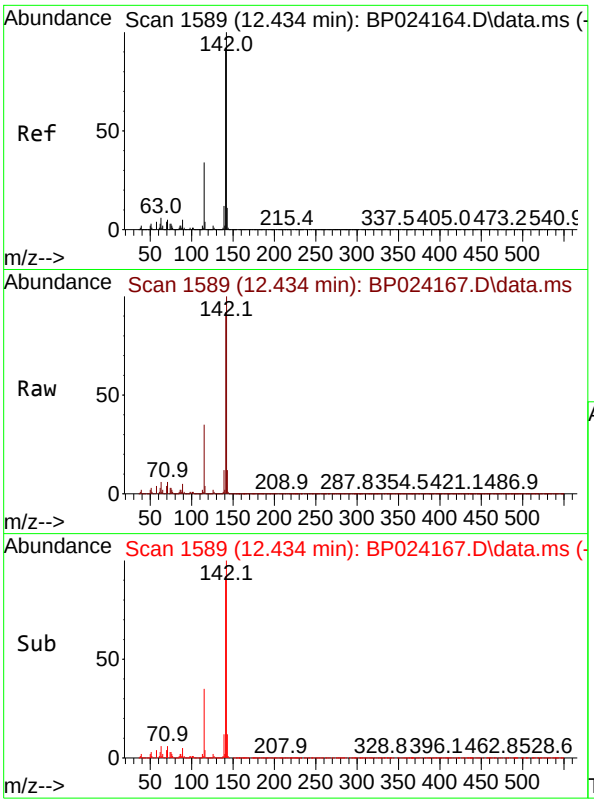


#37
2-Methylnaphthalene
Concen: 82.244 ng
RT: 12.210 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:142 Resp: 4316966

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.3	105.5
115	33.0	26.0	39.0



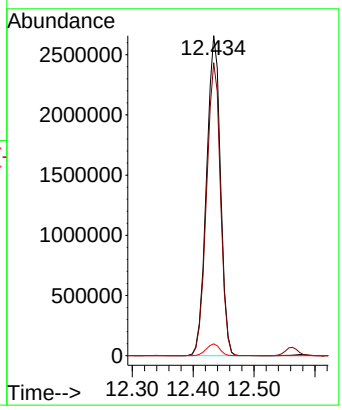


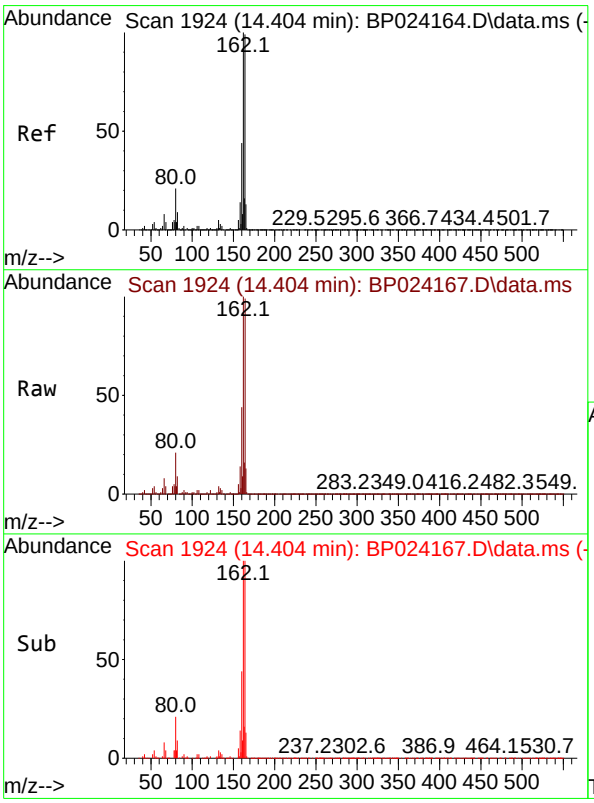
#38
1-Methylnaphthalene
Concen: 82.791 ng
RT: 12.434 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 4227550

Ion	Ratio	Lower	Upper
142	100		
141	91.6	73.9	110.9
116	3.7	2.8	4.2

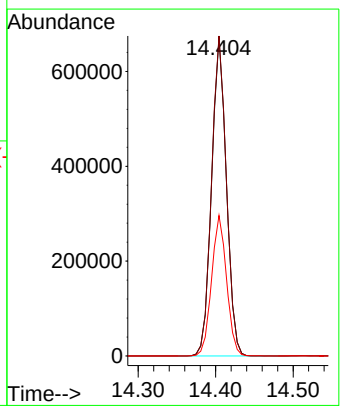


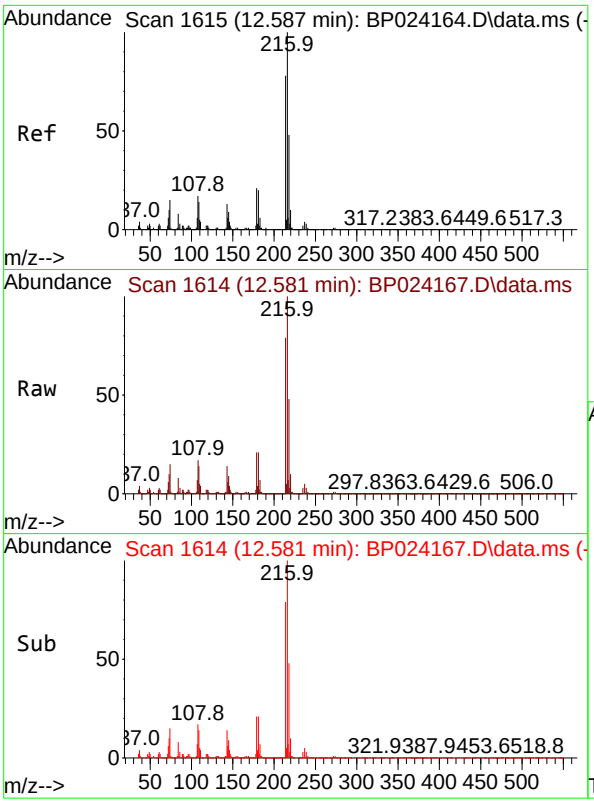


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.404 min Scan# 1924
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:164 Resp: 888748

Ion	Ratio	Lower	Upper
164	100		
162	100.5	80.6	121.0
160	44.1	35.4	53.2



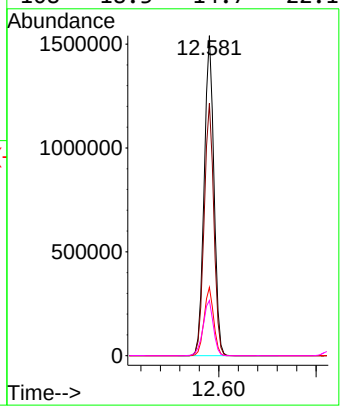


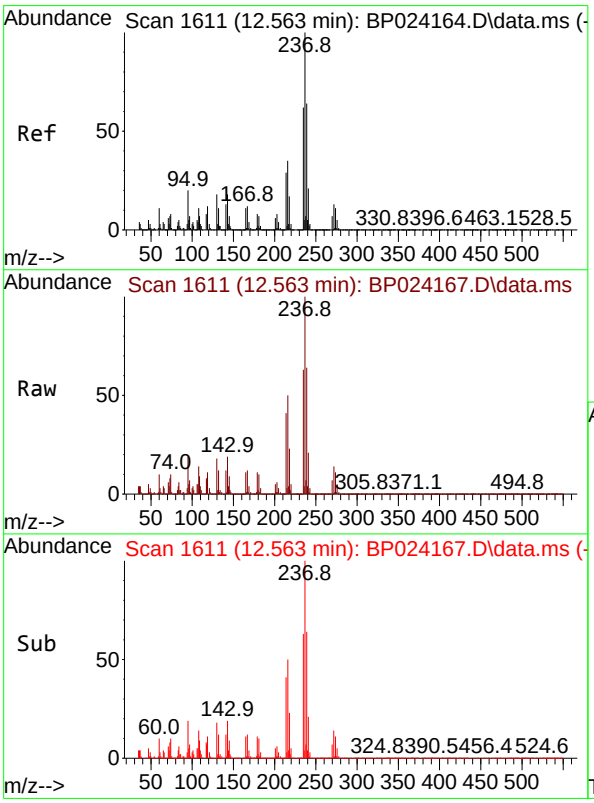
#40
1,2,4,5-Tetrachlorobenzene
Concen: 77.644 ng
RT: 12.581 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:216 Resp: 2120251

Ion	Ratio	Lower	Upper
216	100		
214	78.8	62.8	94.2
179	21.0	16.8	25.2
108	18.3	14.7	22.1

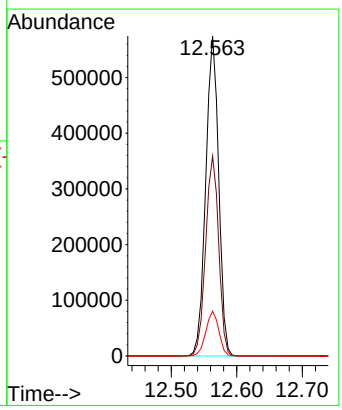


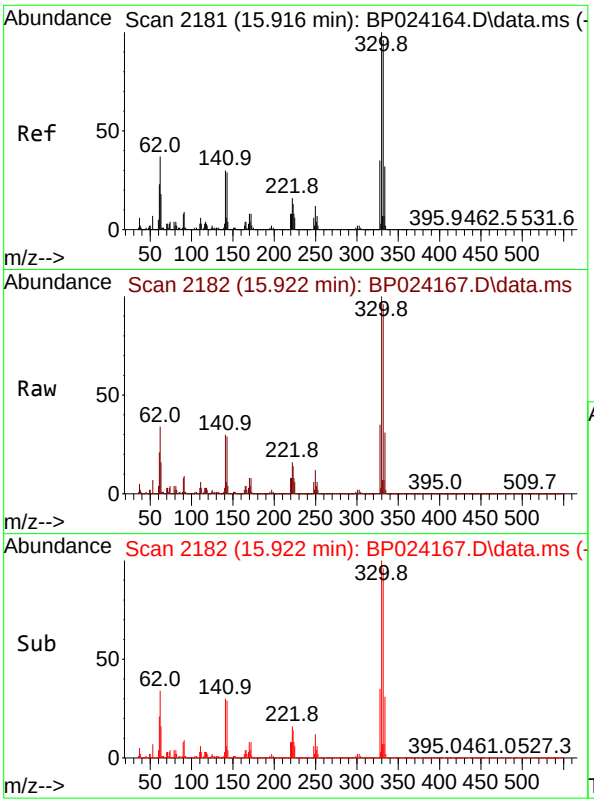


#41
Hexachlorocyclopentadiene
Concen: 77.633 ng
RT: 12.563 min Scan# 1611
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:237 Resp: 788854

Ion	Ratio	Lower	Upper
237	100		
235	62.5	41.8	81.8
272	14.0	0.0	33.5



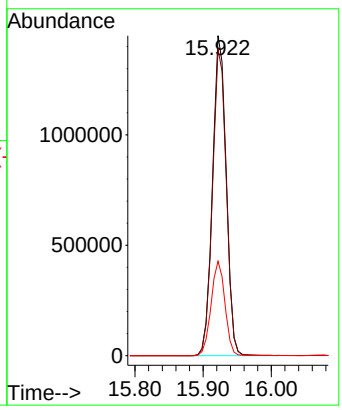


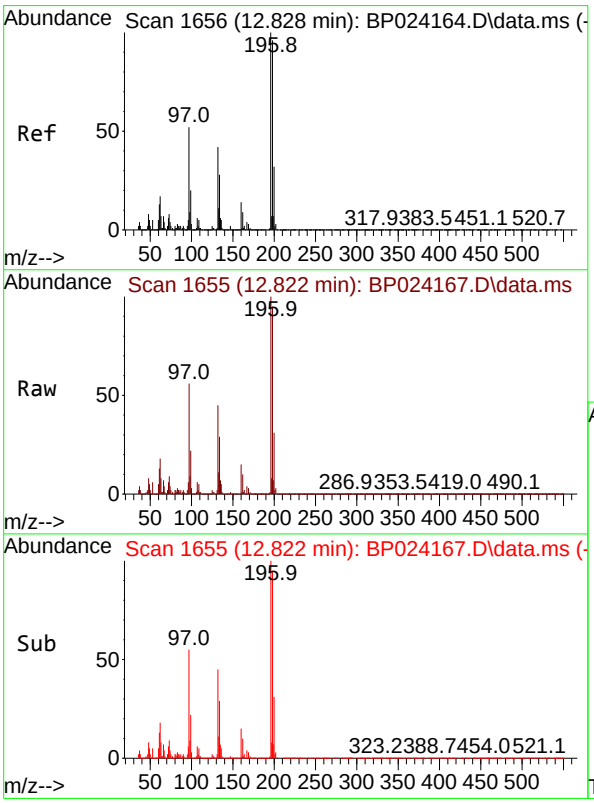
#42
2,4,6-Tribromophenol
Concen: 186.035 ng
RT: 15.922 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:330 Resp: 2025211

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.6	116.4
141	29.9	25.0	37.6

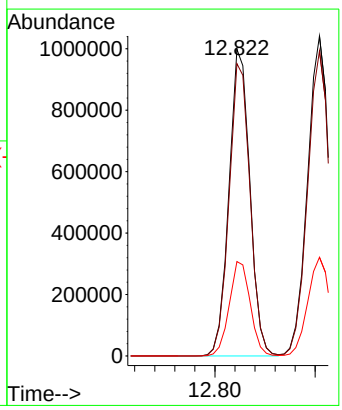


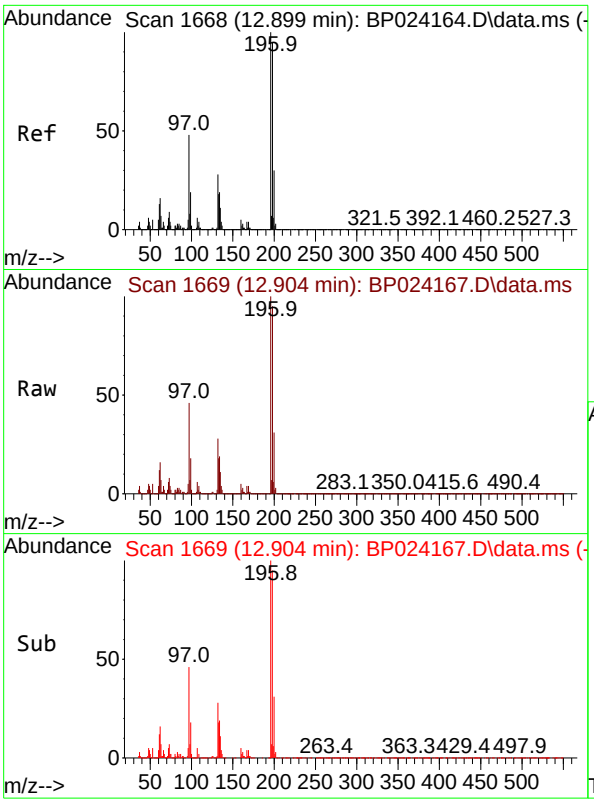


#43
2,4,6-Trichlorophenol
Concen: 86.697 ng
RT: 12.822 min Scan# 1655
Delta R.T. -0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:196 Resp: 1443797

Ion	Ratio	Lower	Upper
196	100		
198	95.3	76.6	115.0
200	30.8	25.4	38.0



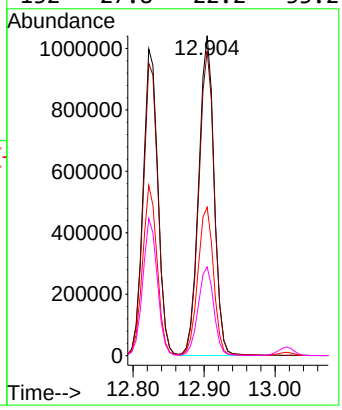


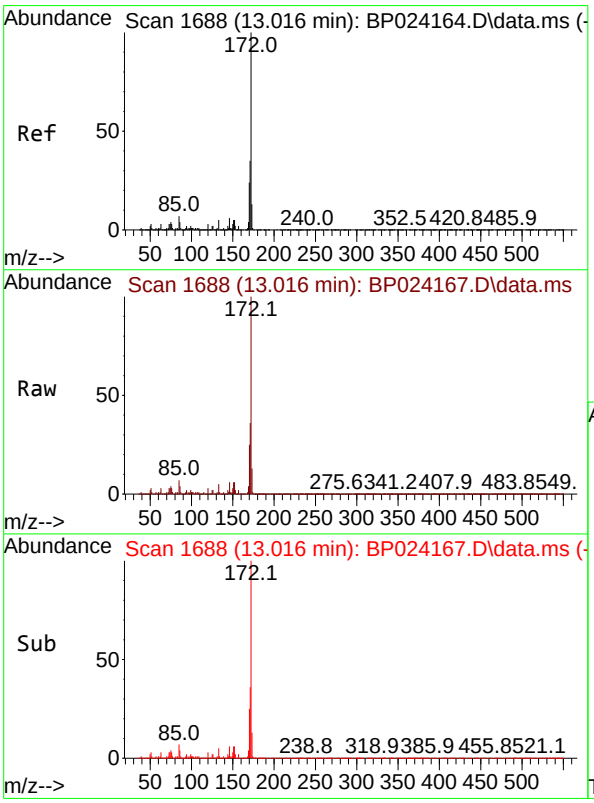
#44
2,4,5-Trichlorophenol
Concen: 86.506 ng
RT: 12.904 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:196 Resp: 1575527

Ion	Ratio	Lower	Upper
196	100		
198	95.4	76.5	114.7
97	46.4	38.7	58.1
132	27.8	22.2	33.2

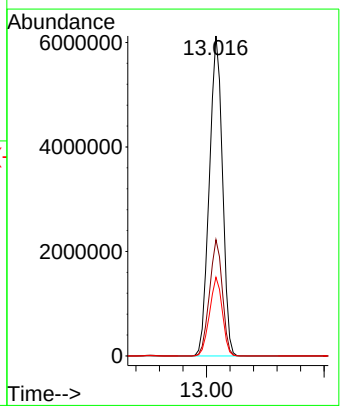


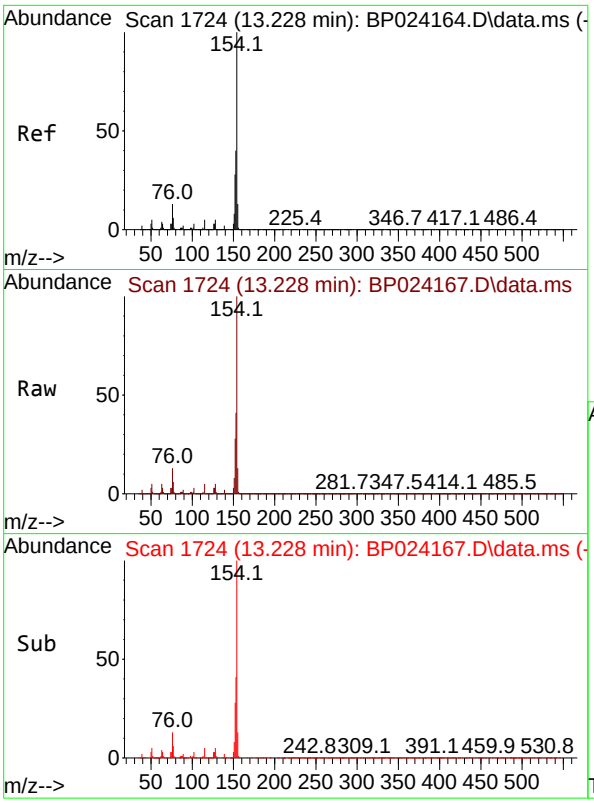


#45
2-Fluorobiphenyl
Concen: 148.993 ng
RT: 13.016 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:172 Resp: 9471932

Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.3	42.5
170	24.6	19.0	28.4



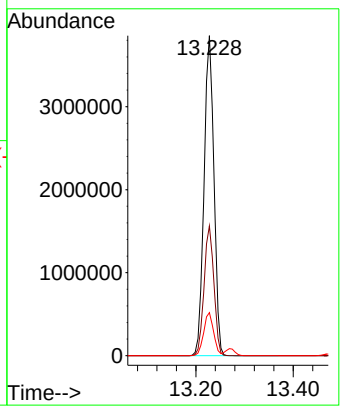


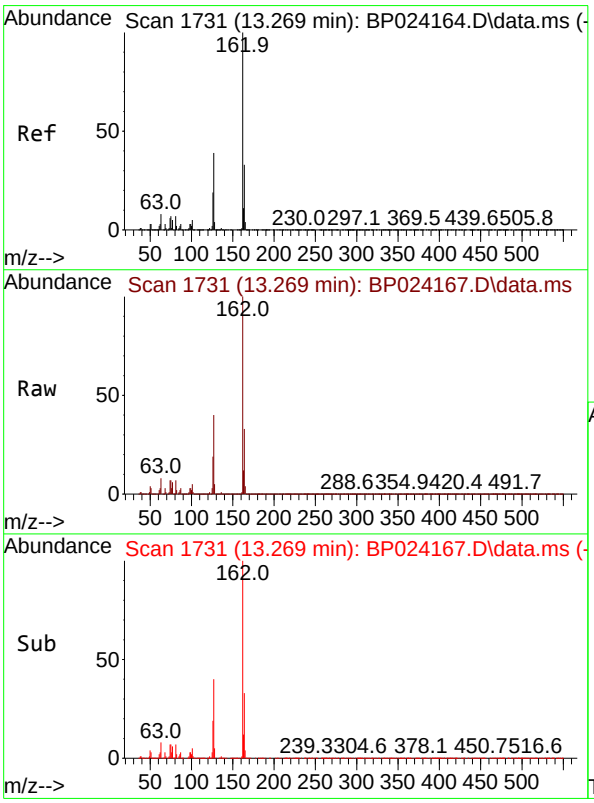
#46
1,1'-Biphenyl
Concen: 78.284 ng
RT: 13.228 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:154 Resp: 5406424

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.3	60.3
76	13.4	0.0	32.9

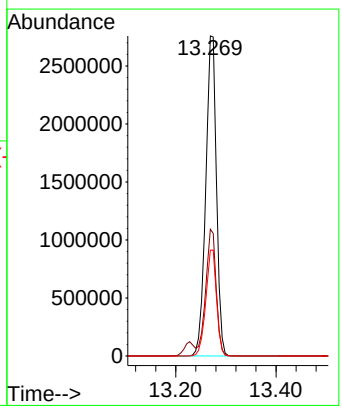


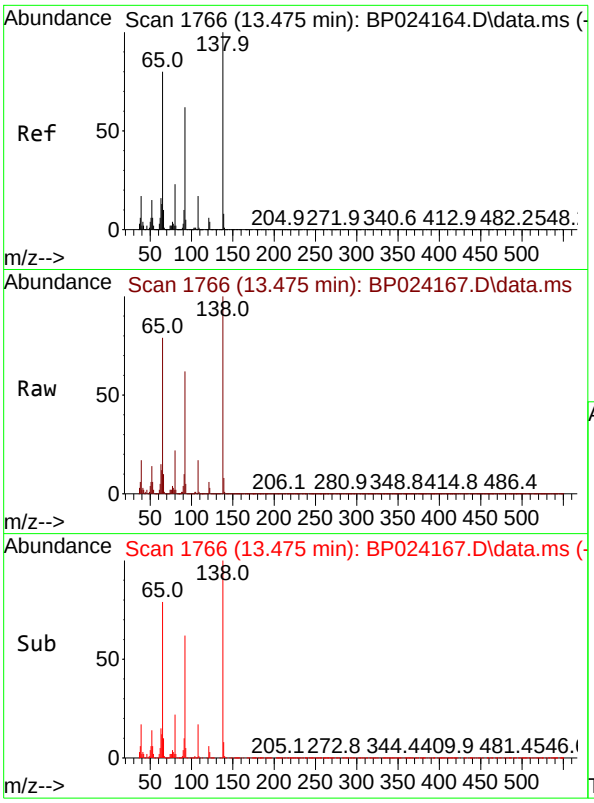


#47
2-Chloronaphthalene
Concen: 78.432 ng
RT: 13.269 min Scan# 1731
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:162 Resp: 4094698

Ion	Ratio	Lower	Upper
162	100		
127	39.6	31.5	47.3
164	33.0	26.6	39.8



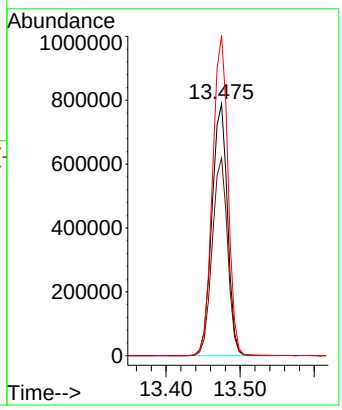


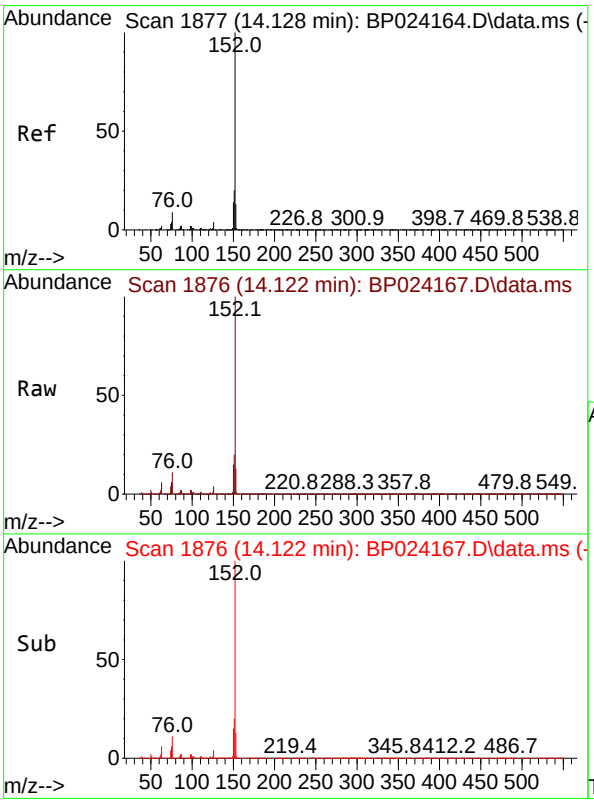
#48
2-Nitroaniline
Concen: 93.303 ng
RT: 13.475 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 65 Resp: 1150637

Ion	Ratio	Lower	Upper
65	100		
92	78.6	62.1	93.1
138	127.1	99.5	149.3

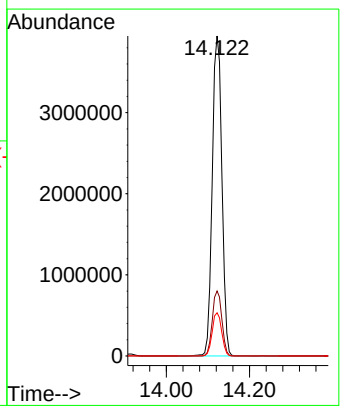


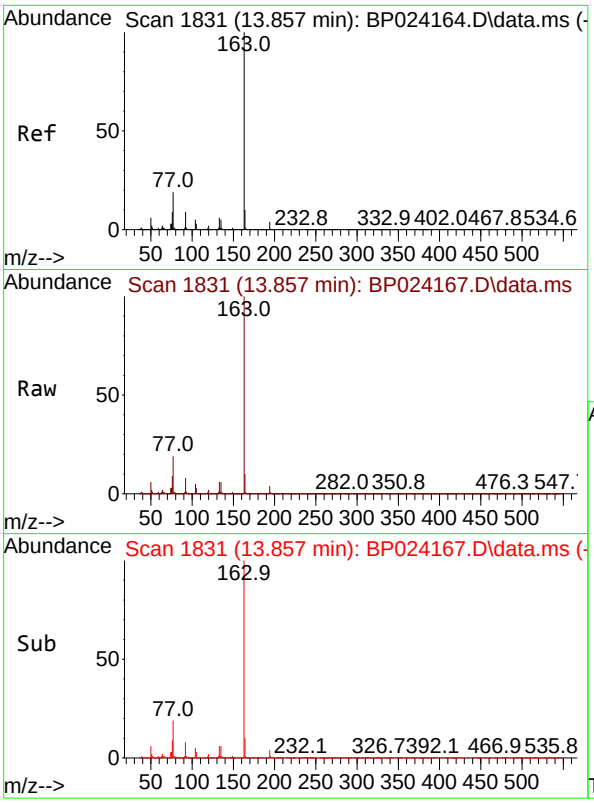


#49
Acenaphthylene
Concen: 82.473 ng
RT: 14.122 min Scan# 1876
Delta R.T. -0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:152 Resp: 6343598

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.0	24.0
153	13.5	10.6	15.8



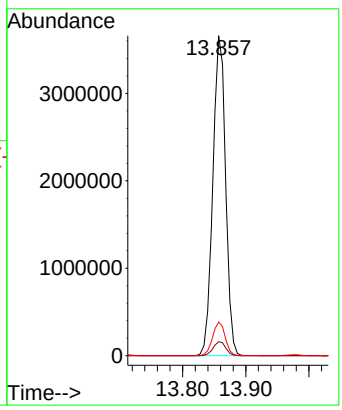


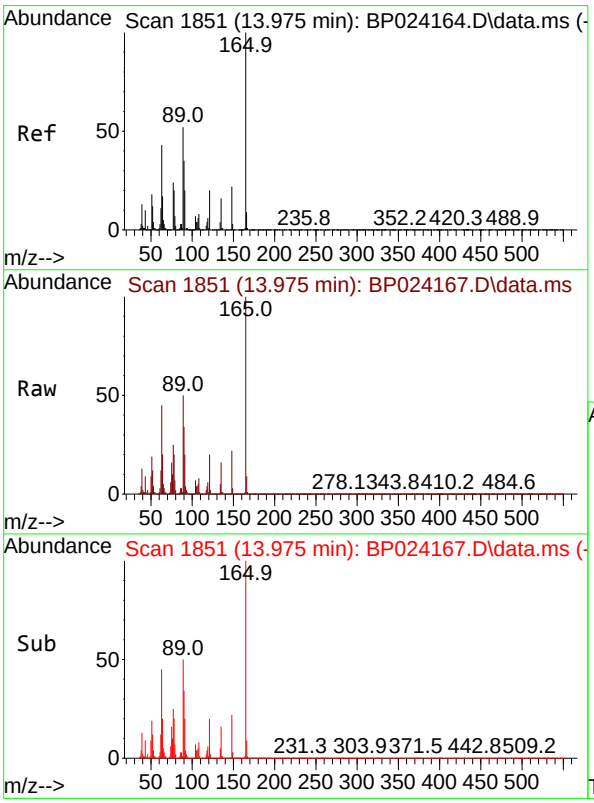
#50
Dimethylphthalate
Concen: 81.603 ng
RT: 13.857 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:163 Resp: 5115780

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.0
164	10.5	8.2	12.4

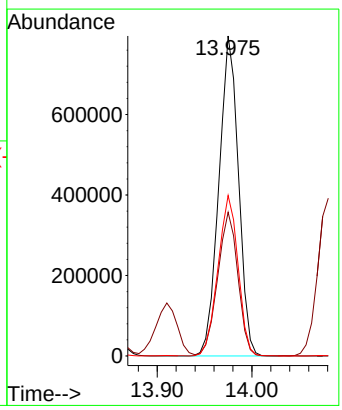


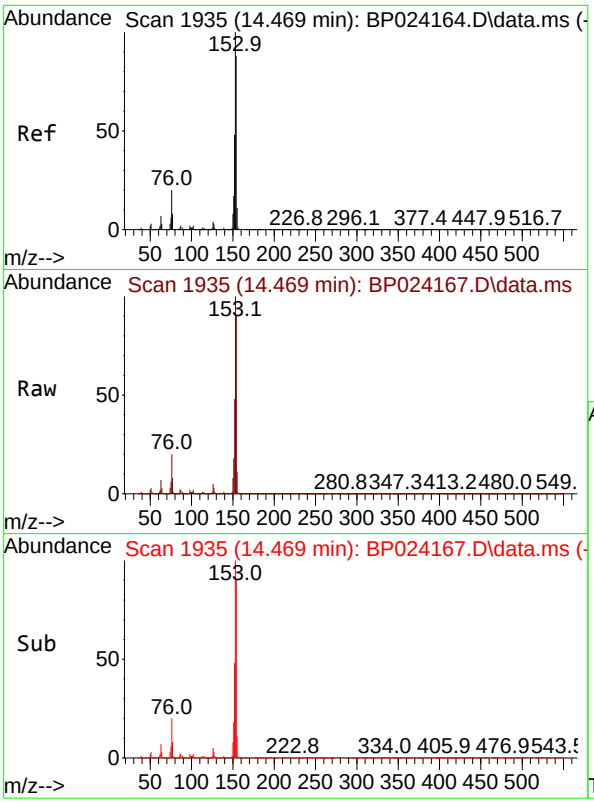


#51
2,6-Dinitrotoluene
Concen: 89.740 ng
RT: 13.975 min Scan# 1851
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:165 Resp: 1146015

Ion	Ratio	Lower	Upper
165	100		
63	44.9	37.7	56.5
89	50.2	41.9	62.9



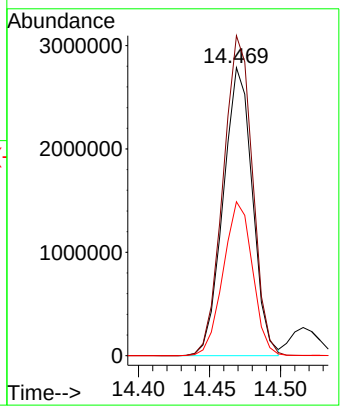


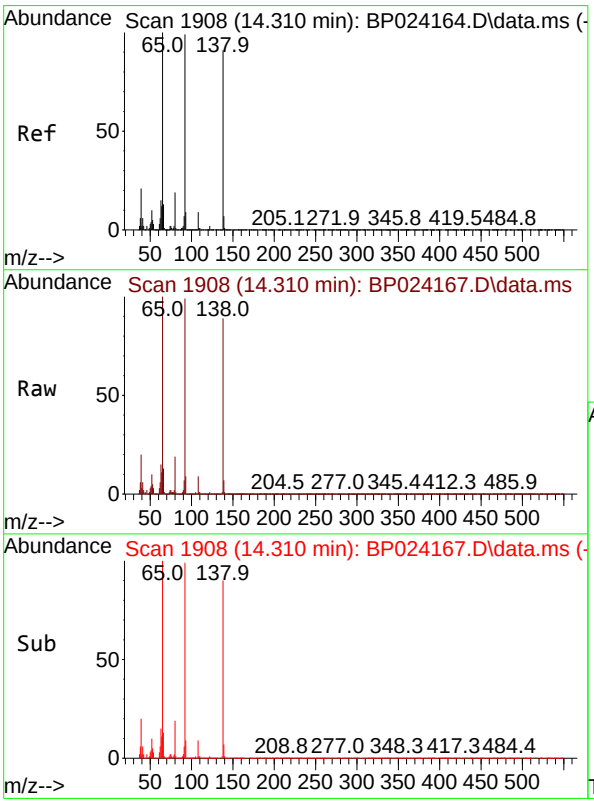
#52
Acenaphthene
Concen: 80.473 ng
RT: 14.469 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:154 Resp: 3985981

Ion	Ratio	Lower	Upper
154	100		
153	111.1	90.5	135.7
152	53.5	43.1	64.7

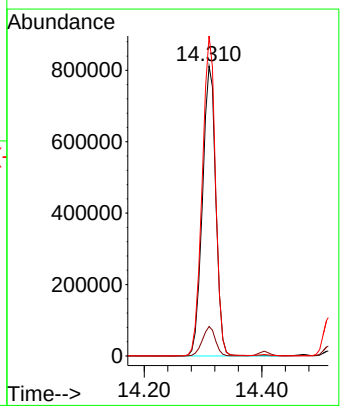


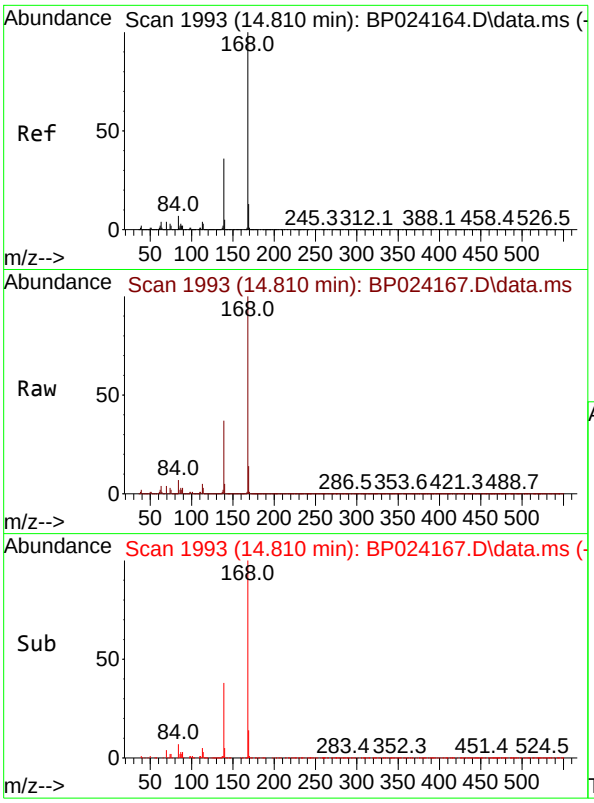


#53
3-Nitroaniline
Concen: 93.713 ng
RT: 14.310 min Scan# 1908
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:138 Resp: 1277036

Ion	Ratio	Lower	Upper
138	100		
108	10.2	8.2	12.2
92	110.4	86.7	130.1



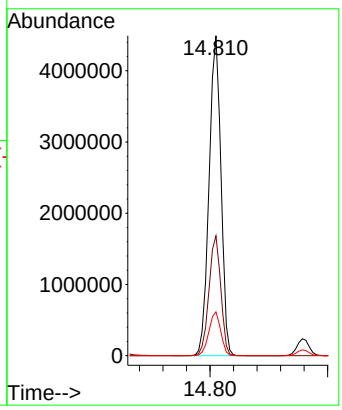


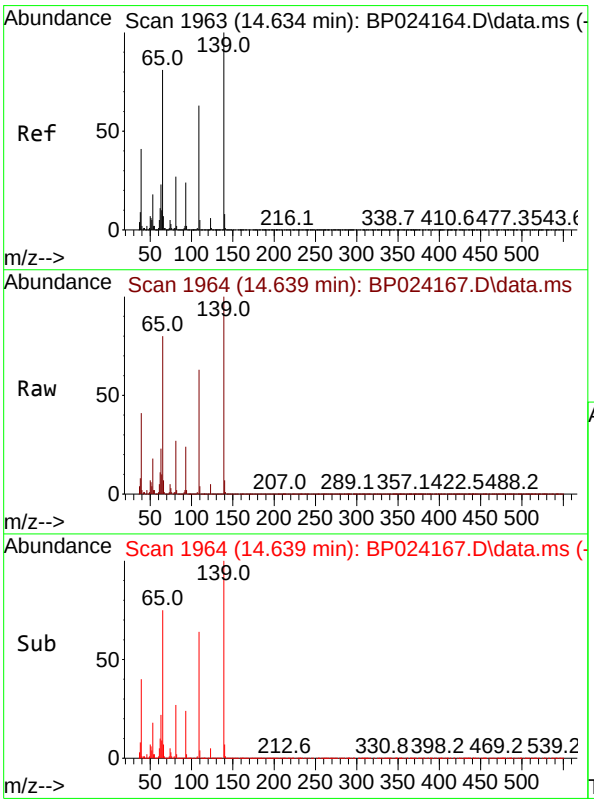
#55
Dibenzofuran
Concen: 78.144 ng
RT: 14.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:168 Resp: 6287848

Ion	Ratio	Lower	Upper
168	100		
139	37.4	29.1	43.7
169	13.7	10.8	16.2

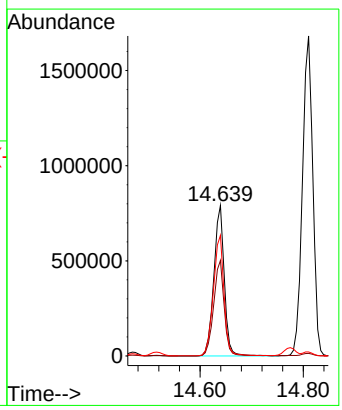


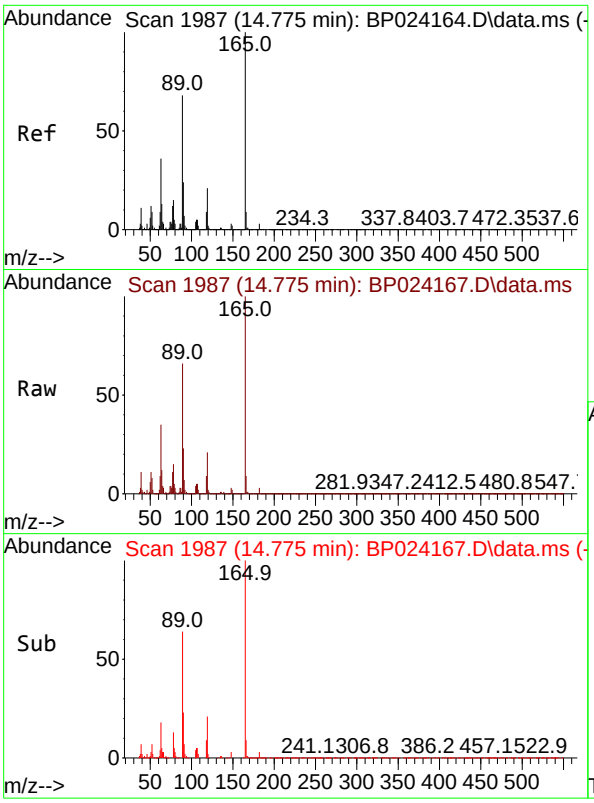


#56
4-Nitrophenol
Concen: 94.320 ng
RT: 14.639 min Scan# 1964
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:139 Resp: 1110260

Ion	Ratio	Lower	Upper
139	100		
109	63.5	43.3	83.3
65	80.2	61.2	101.2



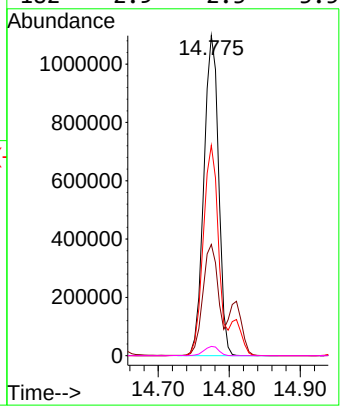


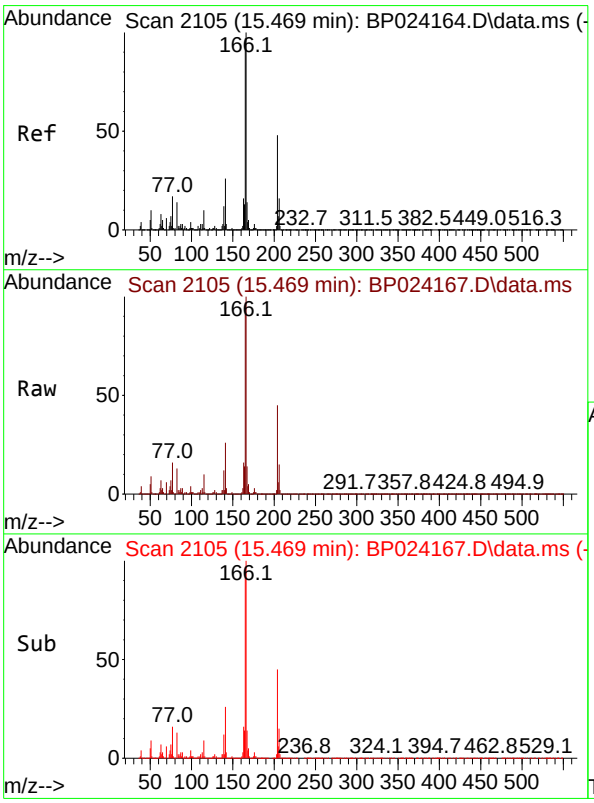
#57
2,4-Dinitrotoluene
Concen: 95.524 ng
RT: 14.775 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 1584658

Ion	Ratio	Lower	Upper
165	100		
63	34.8	29.0	43.6
89	65.7	54.2	81.4
182	2.9	2.3	3.5

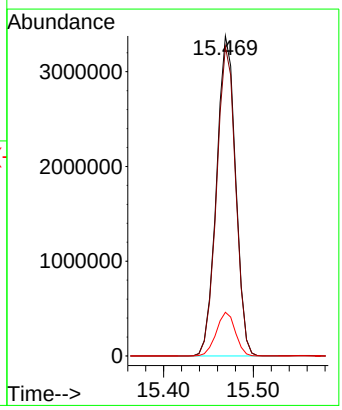


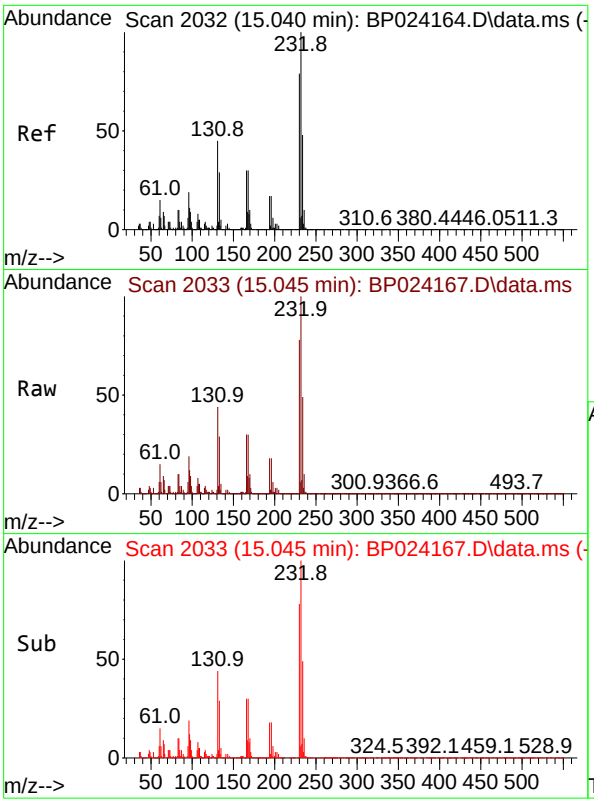


#58
Fluorene
Concen: 79.298 ng
RT: 15.469 min Scan# 2105
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:166 Resp: 4983161

Ion	Ratio	Lower	Upper
166	100		
165	96.7	77.6	116.4
167	13.7	10.8	16.2



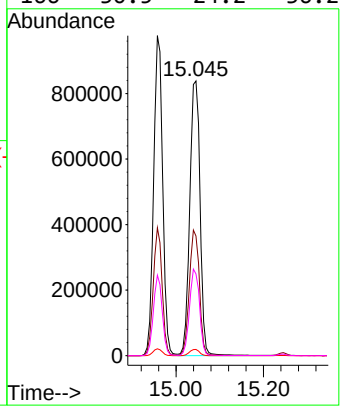


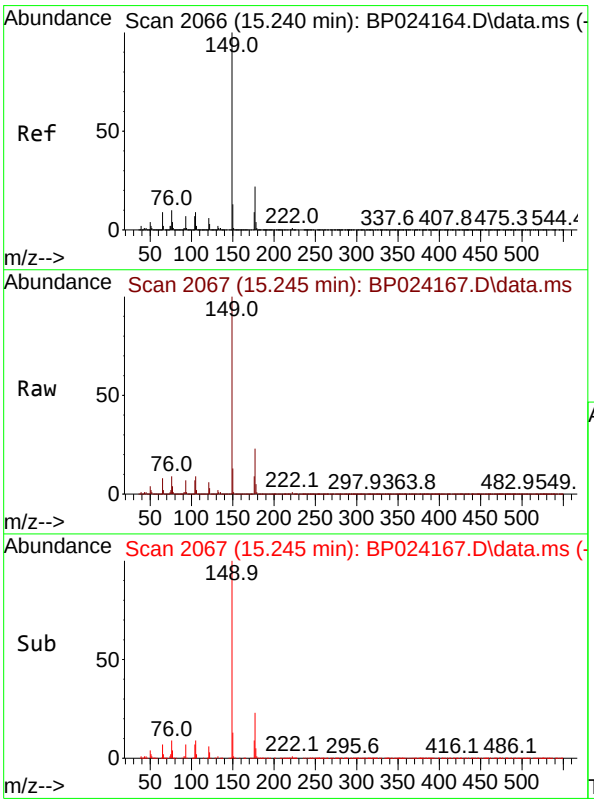
#59
2,3,4,6-Tetrachlorophenol
Concen: 86.797 ng
RT: 15.045 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:232 Resp: 1371535

Ion	Ratio	Lower	Upper
232	100		
131	44.8	35.9	53.9
130	2.2	1.8	2.6
166	30.5	24.2	36.2

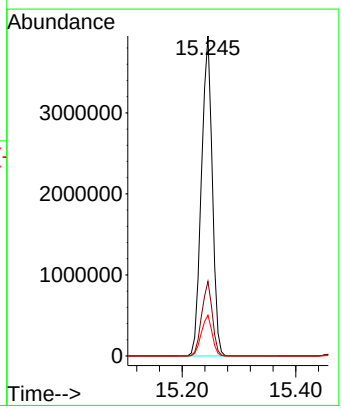


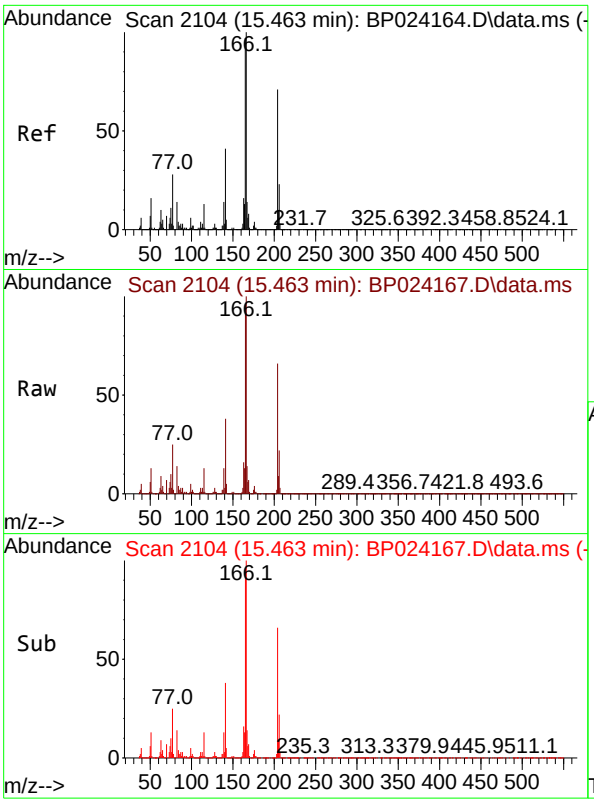


#60
Diethylphthalate
Concen: 83.898 ng
RT: 15.245 min Scan# 2067
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:149 Resp: 5221159

Ion	Ratio	Lower	Upper
149	100		
177	23.3	17.7	26.5
150	12.7	10.2	15.4



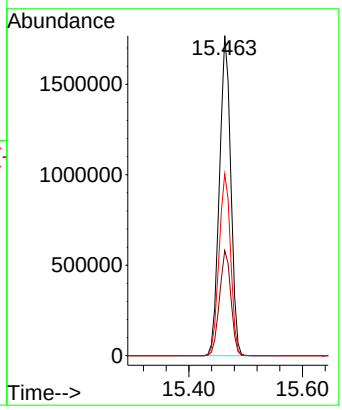


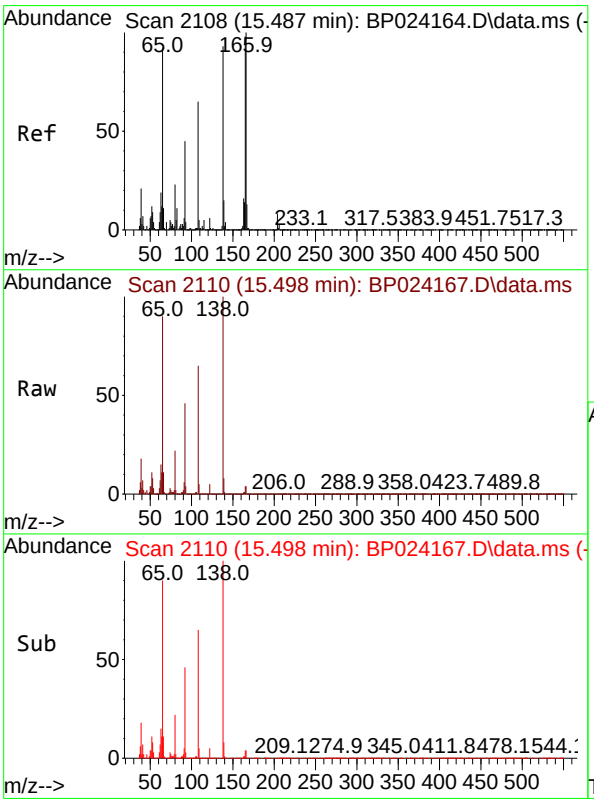
#61
4-Chlorophenyl-phenylether
Concen: 79.305 ng
RT: 15.463 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:204 Resp: 2453010

Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.4	39.6
141	56.8	45.8	68.8

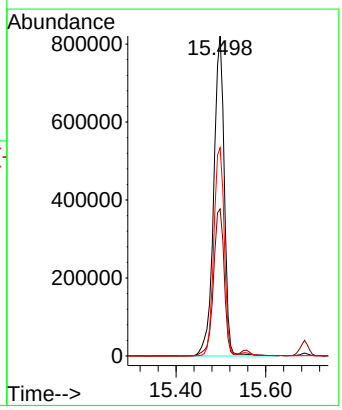


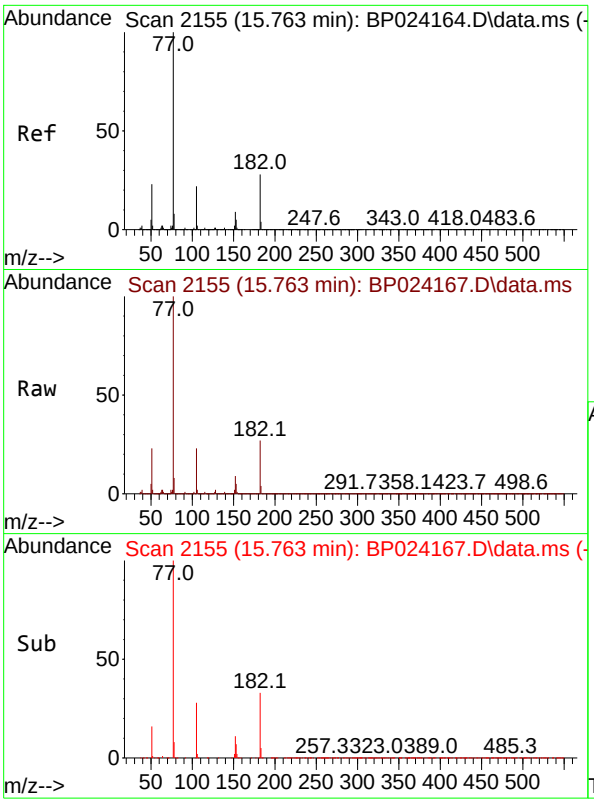


#62
4-Nitroaniline
Concen: 95.238 ng
RT: 15.498 min Scan# 2110
Delta R.T. 0.012 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:138 Resp: 1346814

Ion	Ratio	Lower	Upper
138	100		
92	46.0	28.7	68.7
108	65.1	49.5	89.5



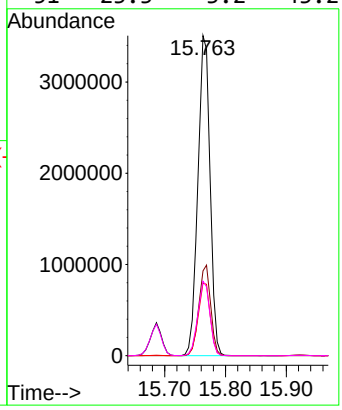


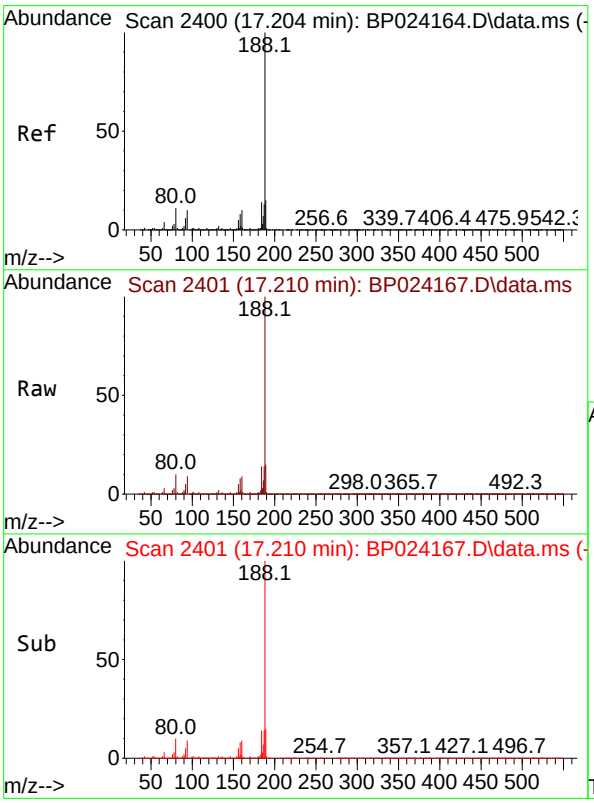
#63
Azobenzene
Concen: 83.196 ng
RT: 15.763 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 4851665

Ion	Ratio	Lower	Upper
77	100		
182	26.5	7.7	47.7
105	22.7	2.3	42.3
51	23.3	3.2	43.2

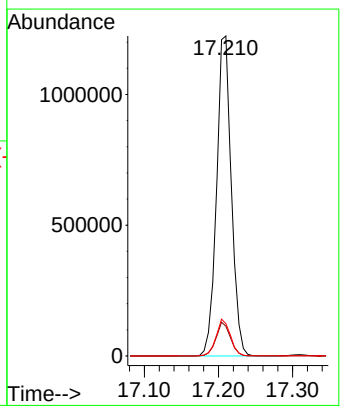


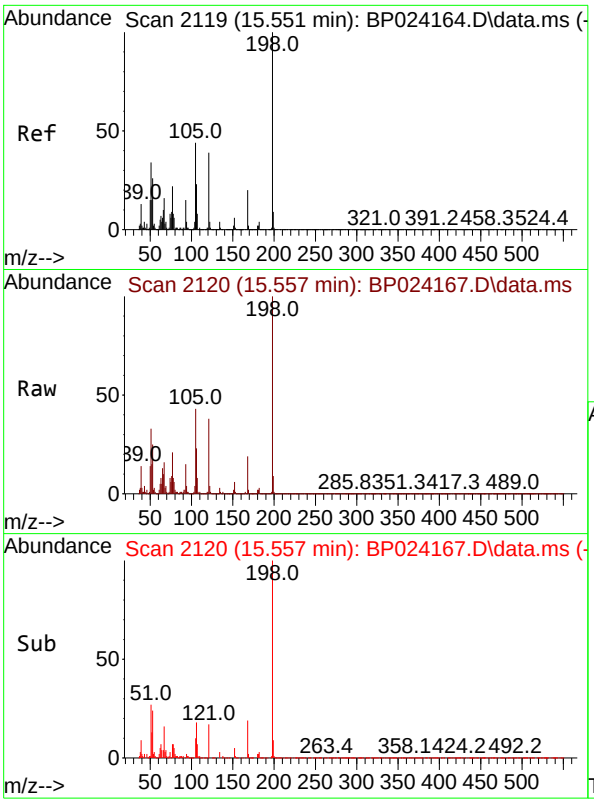


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.210 min Scan# 2401
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:188 Resp: 1690241

Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.1	12.1
80	10.1	8.9	13.3



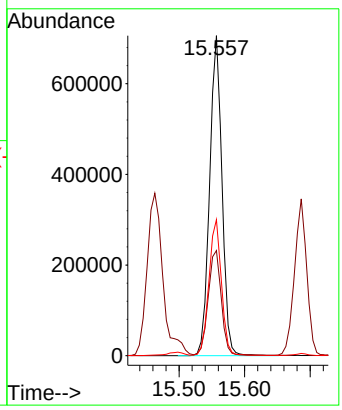


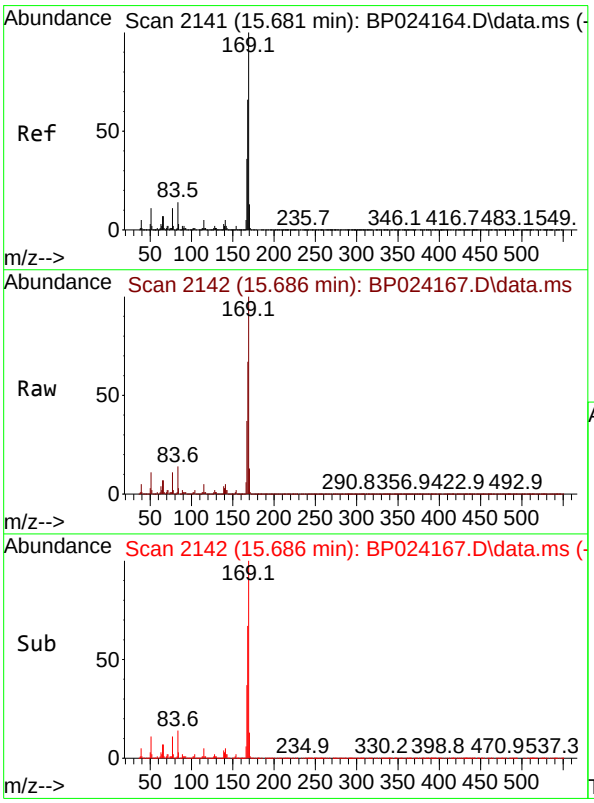
#65
4,6-Dinitro-2-methylphenol
Concen: 94.517 ng
RT: 15.557 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:198 Resp: 924643

Ion	Ratio	Lower	Upper
198	100		
51	32.8	14.7	54.7
105	42.5	23.8	63.8

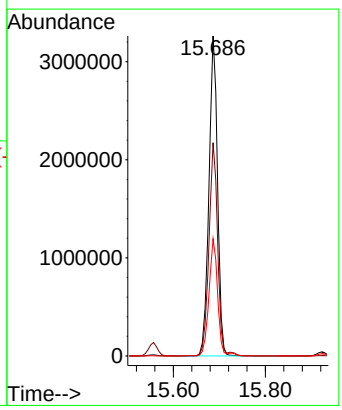


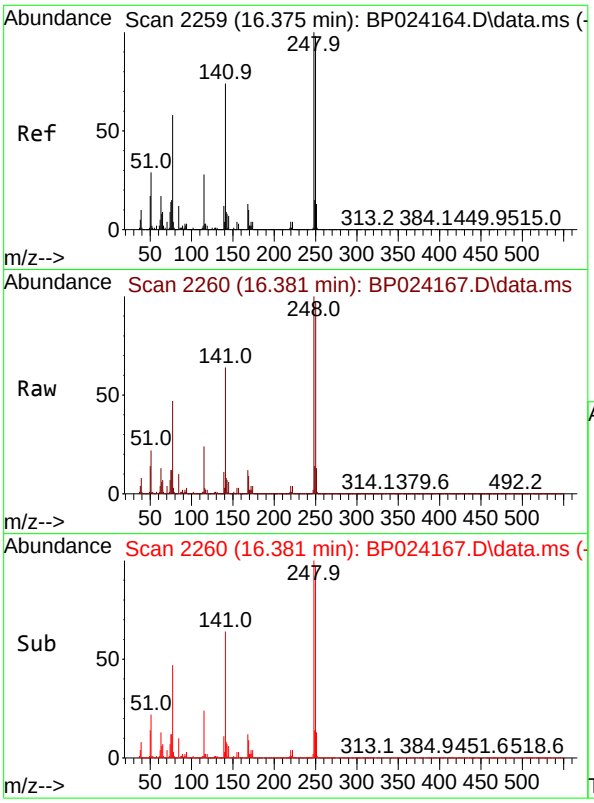


#66
n-Nitrosodiphenylamine
Concen: 80.285 ng
RT: 15.686 min Scan# 2142
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:169 Resp: 4231796

Ion	Ratio	Lower	Upper
169	100		
168	66.6	52.9	79.3
167	36.7	28.8	43.2



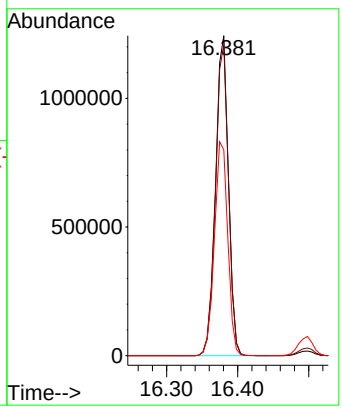


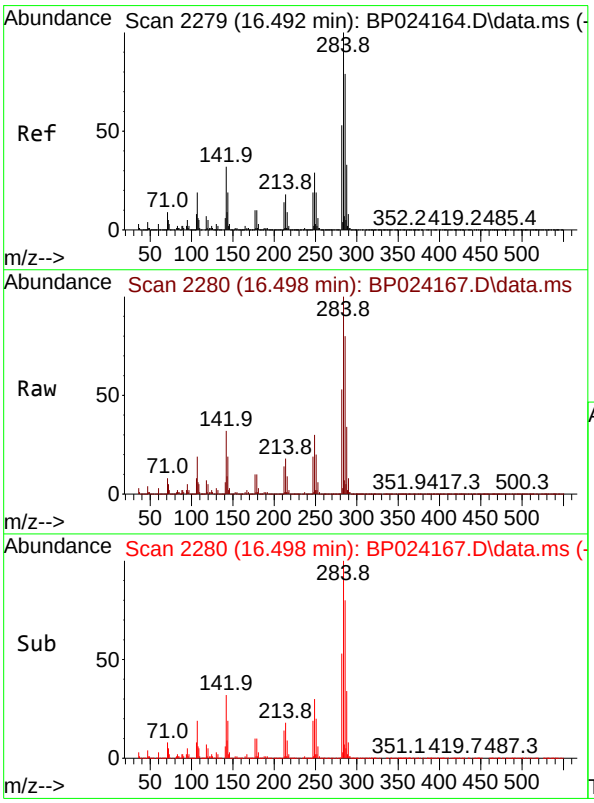
#67
4-Bromophenyl-phenylether
Concen: 82.455 ng
RT: 16.381 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:248 Resp: 1565037

Ion	Ratio	Lower	Upper
248	100		
250	97.1	78.4	117.6
141	64.3	59.4	89.0

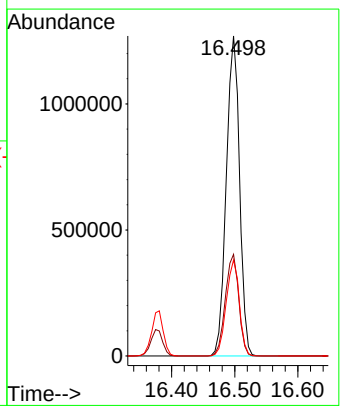


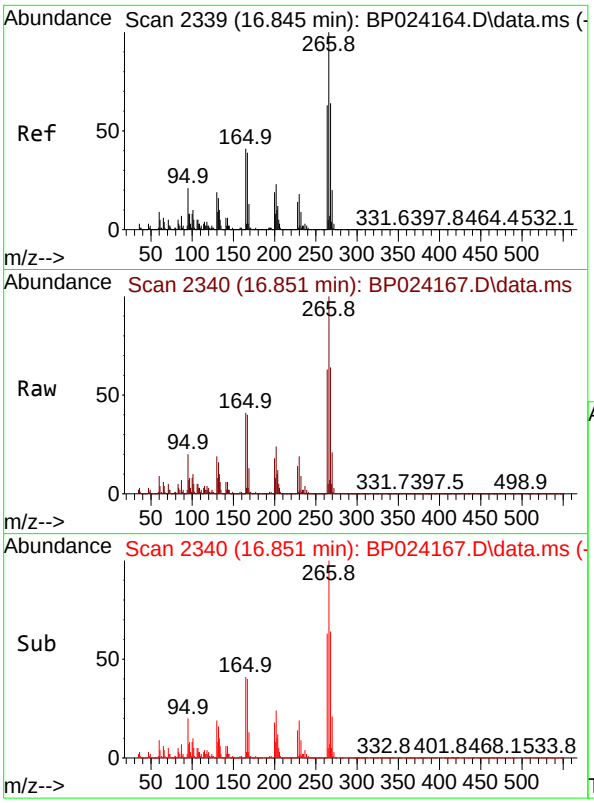


#68
Hexachlorobenzene
Concen: 82.437 ng
RT: 16.498 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:284 Resp: 1841149

Ion	Ratio	Lower	Upper
284	100		
142	31.7	25.4	38.2
249	30.0	23.5	35.3



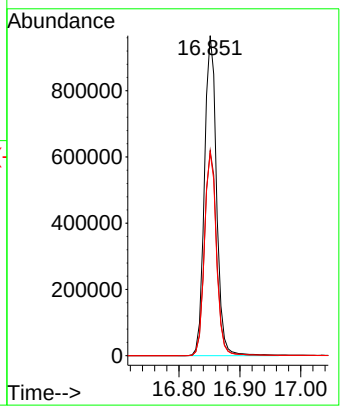


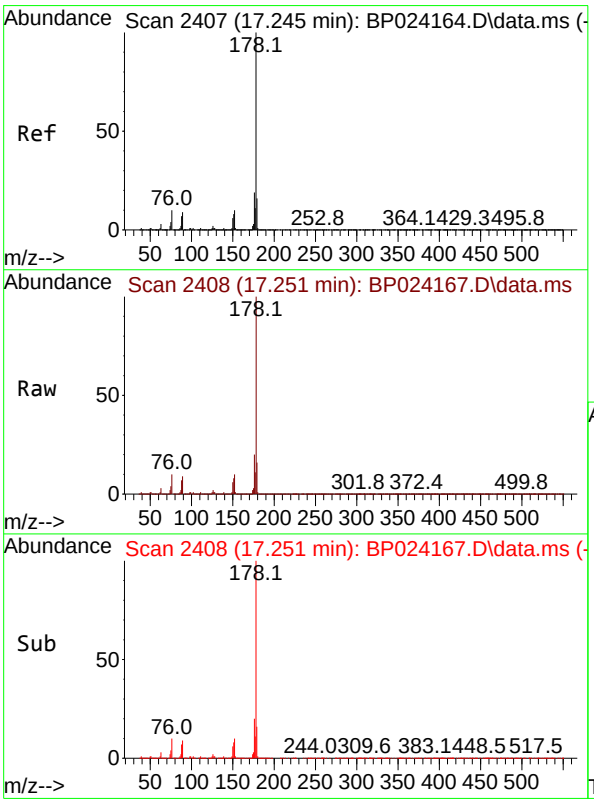
#70
Pentachlorophenol
Concen: 92.003 ng
RT: 16.851 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:266 Resp: 1334567

Ion	Ratio	Lower	Upper
266	100		
268	64.1	51.3	76.9
264	63.4	50.6	76.0

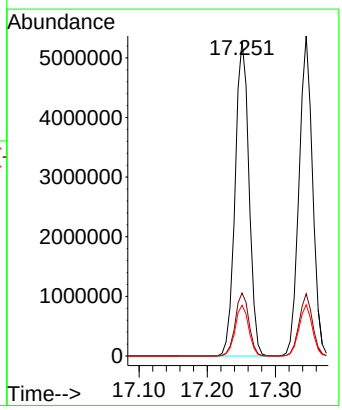


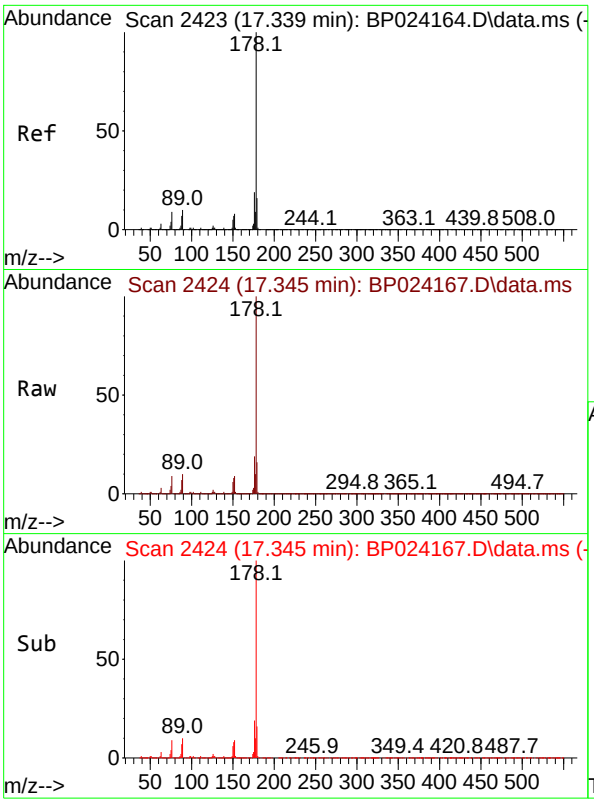


#71
Phenanthrene
Concen: 78.188 ng
RT: 17.251 min Scan# 2408
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:178 Resp: 7450840

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.6	23.4
179	16.1	12.5	18.7



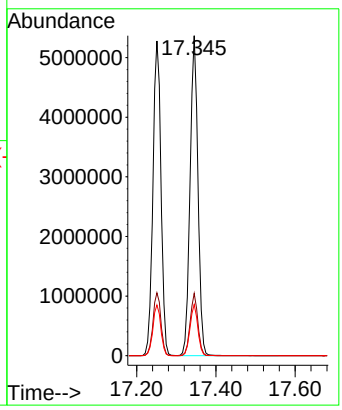


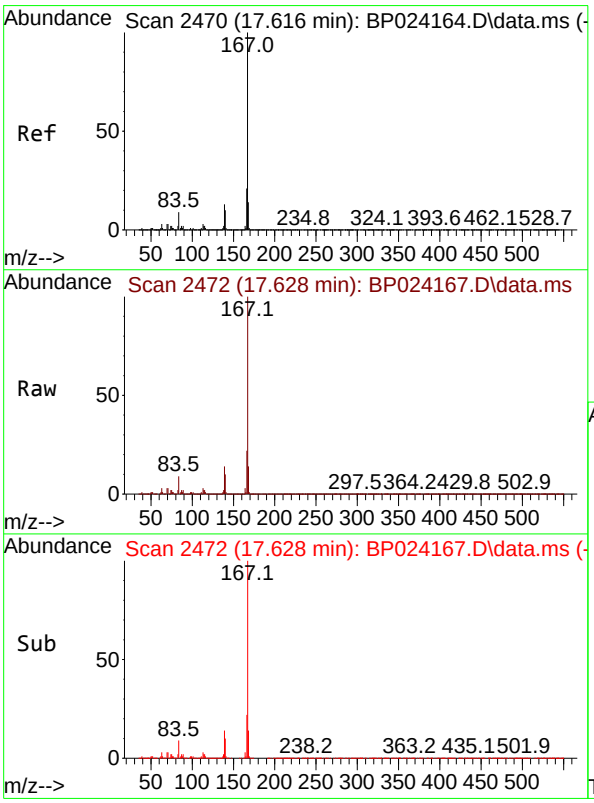
#72
Anthracene
Concen: 81.264 ng
RT: 17.345 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 7420971

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.2	22.8
179	16.0	12.6	18.8

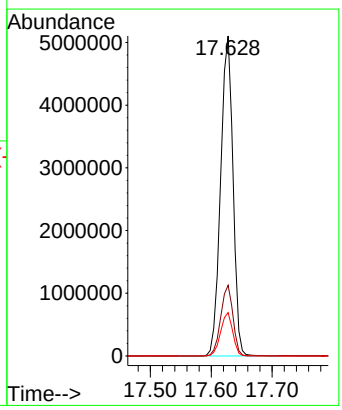


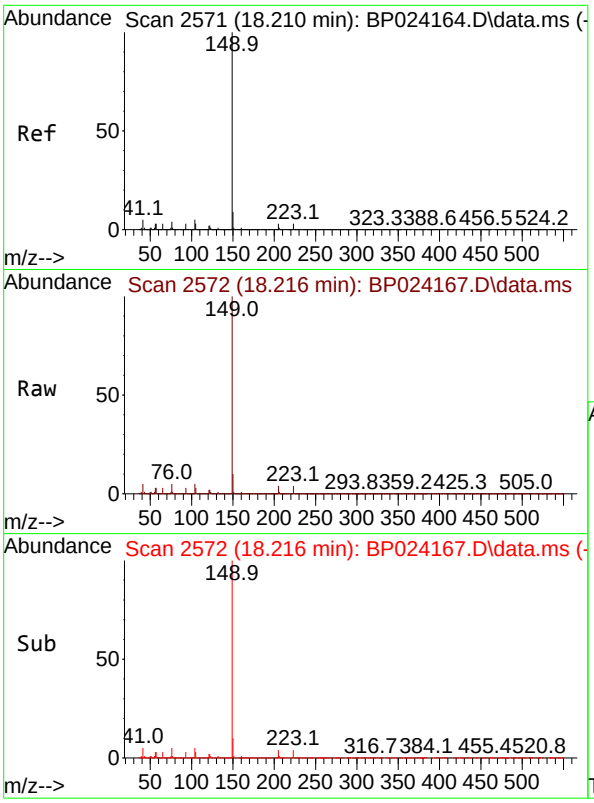


#73
Carbazole
Concen: 82.862 ng
RT: 17.628 min Scan# 2472
Delta R.T. 0.012 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:167 Resp: 7209600

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.1	25.7
139	13.6	10.2	15.4



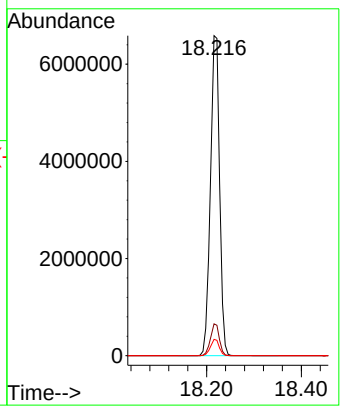


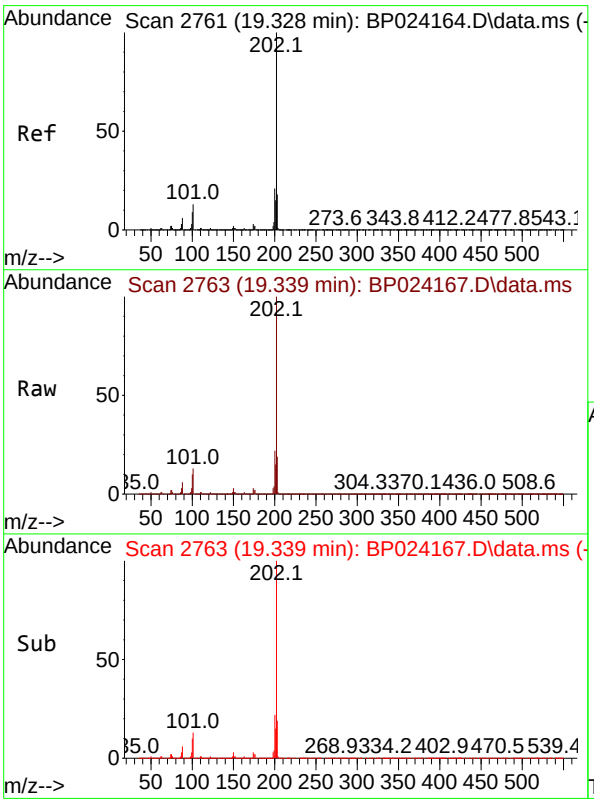
#74
Di-n-butylphthalate
Concen: 86.868 ng
RT: 18.216 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 8819030

Ion	Ratio	Lower	Upper
149	100		
150	10.0	7.6	11.4
104	5.1	3.9	5.9

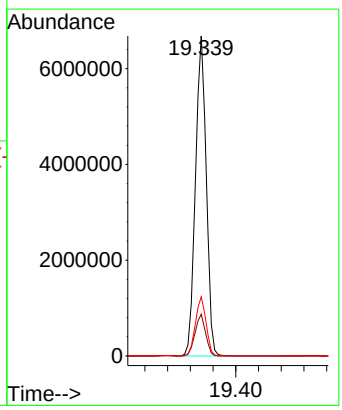


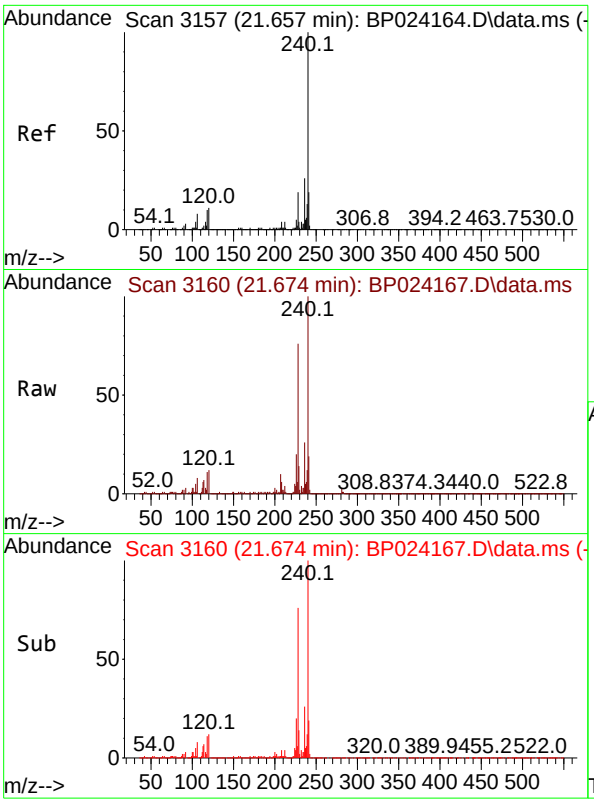


#75
Fluoranthene
Concen: 82.280 ng
RT: 19.339 min Scan# 2763
Delta R.T. 0.012 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:202 Resp: 8868502

Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	32.5
203	18.5	0.0	37.9



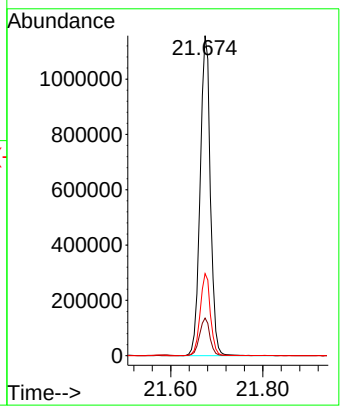


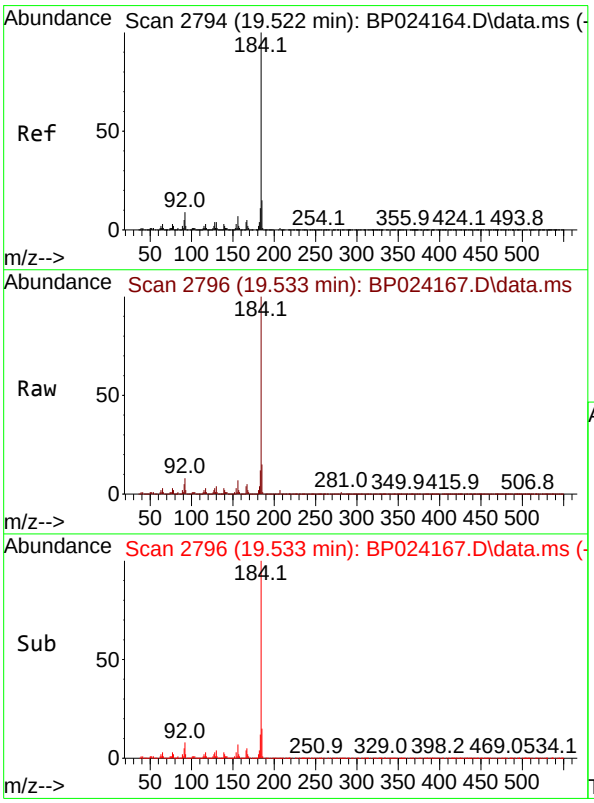
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.674 min Scan# 3
Delta R.T. 0.017 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:240 Resp: 1785678

Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.2	13.8
236	25.6	20.4	30.6

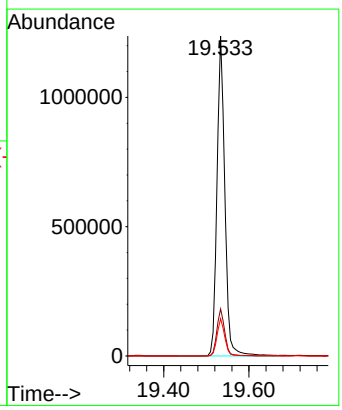


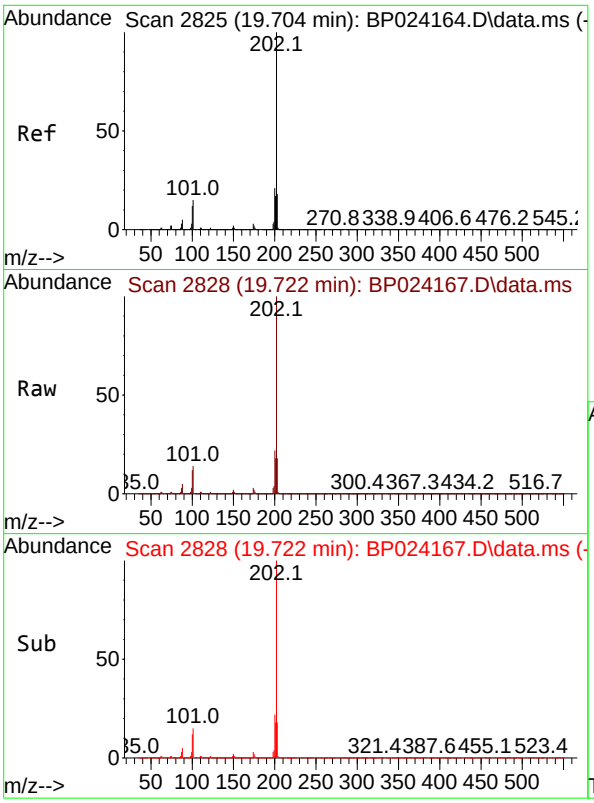


#77
Benzidine
Concen: 72.794 ng
RT: 19.533 min Scan# 2796
Delta R.T. 0.012 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:184 Resp: 1583965

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.8	17.6
183	11.7	9.1	13.7



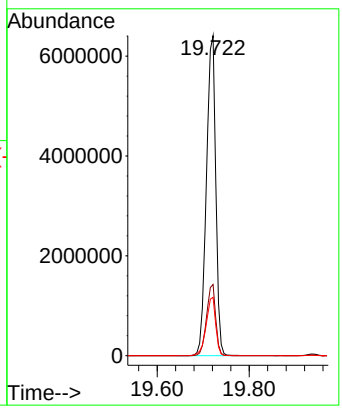


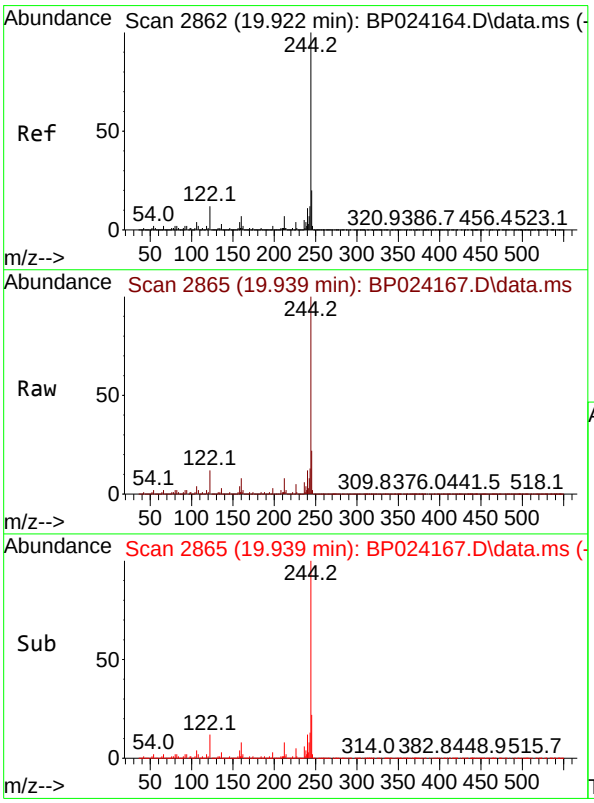
#78
Pyrene
Concen: 80.230 ng
RT: 19.722 min Scan# 2
Delta R.T. 0.017 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:202 Resp: 9100075

Ion	Ratio	Lower	Upper
202	100		
200	22.3	17.1	25.7
203	18.3	14.2	21.4

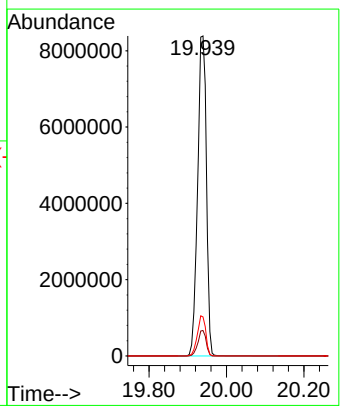


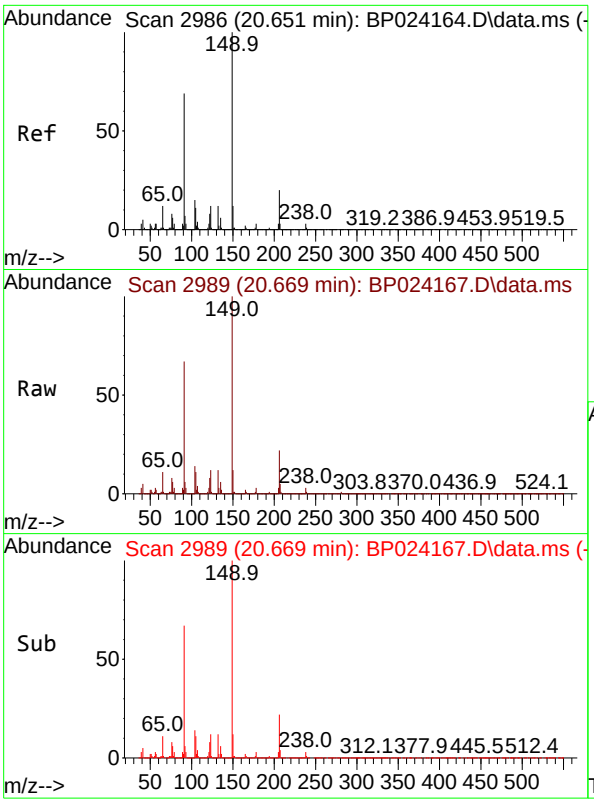


#79
Terphenyl-d14
Concen: 146.201 ng
RT: 19.939 min Scan# 2865
Delta R.T. 0.017 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:244 Resp:13193577

Ion	Ratio	Lower	Upper
244	100		
212	8.0	5.7	8.5
122	12.2	9.6	14.4



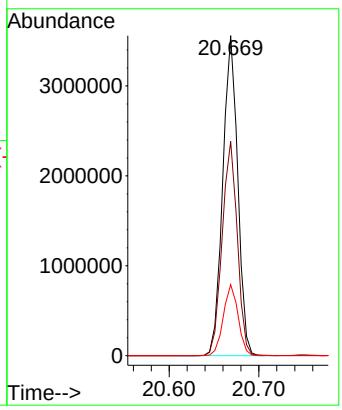


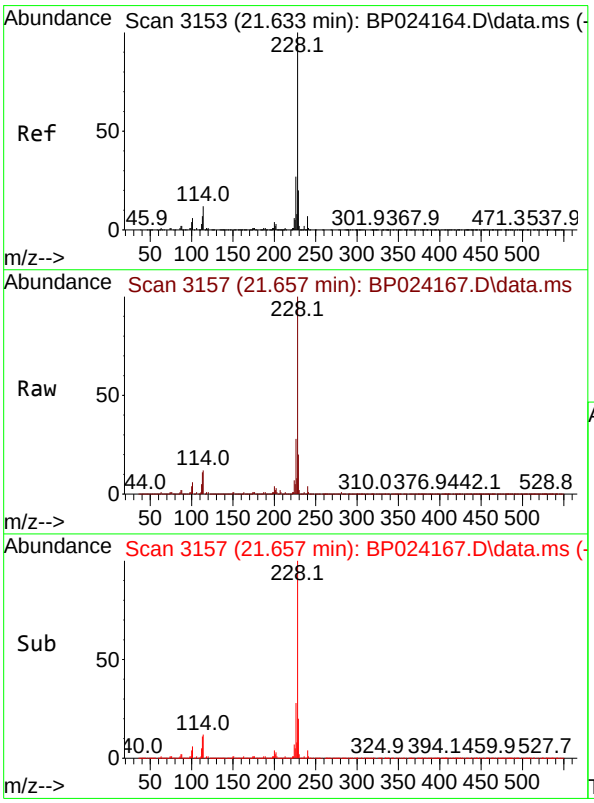
#80
Butylbenzylphthalate
Concen: 94.735 ng
RT: 20.669 min Scan# 2
Delta R.T. 0.017 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 4117551

Ion	Ratio	Lower	Upper
149	100		
91	66.9	55.3	82.9
206	22.2	16.1	24.1

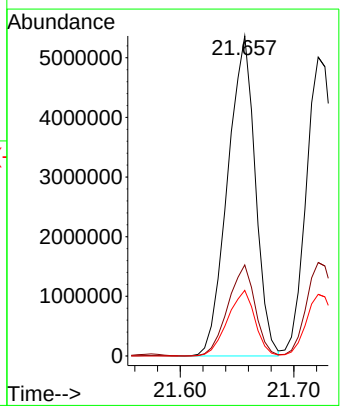


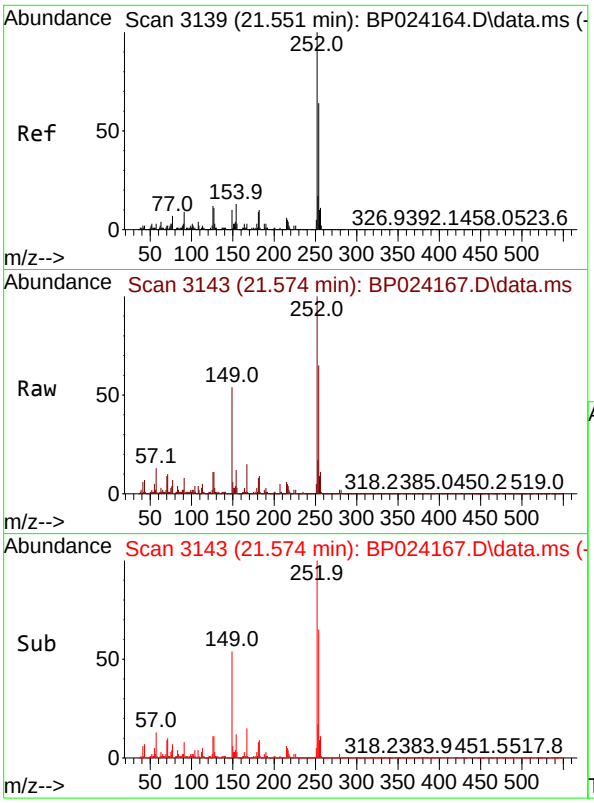


#81
Benzo(a)anthracene
Concen: 81.050 ng
RT: 21.657 min Scan# 3157
Delta R.T. 0.023 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:228 Resp: 9075269

Ion	Ratio	Lower	Upper
228	100		
226	28.4	21.8	32.8
229	20.5	16.0	24.0



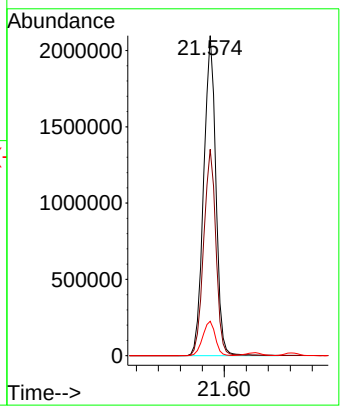


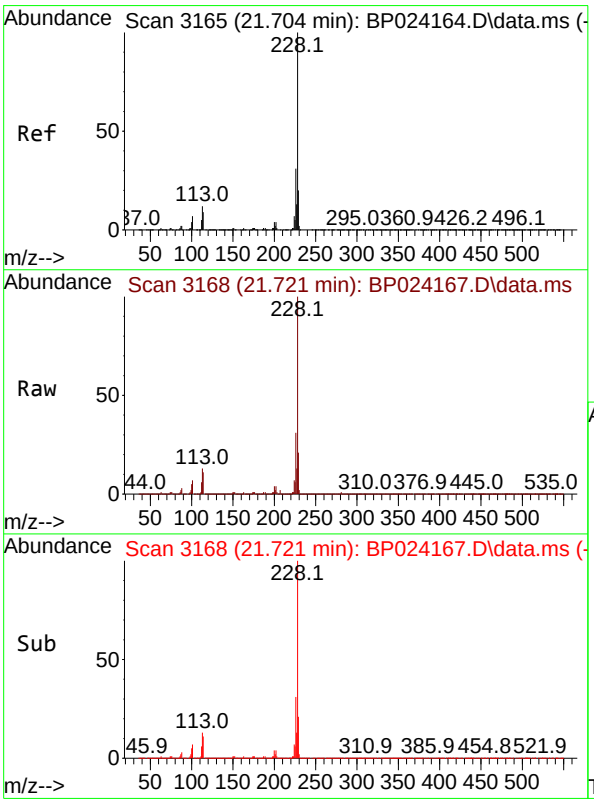
#82
3,3'-Dichlorobenzidine
Concen: 91.925 ng
RT: 21.574 min Scan# 3
Delta R.T. 0.023 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 3216378

Ion	Ratio	Lower	Upper
252	100		
254	64.5	51.4	77.2
126	10.8	9.3	13.9

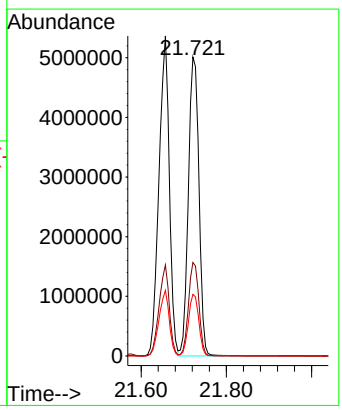


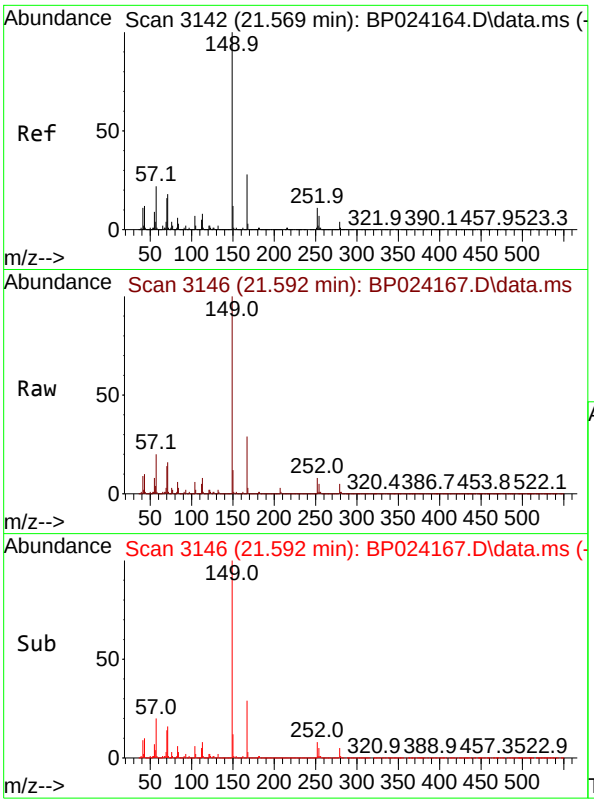


#83
Chrysene
Concen: 79.981 ng
RT: 21.721 min Scan# 3168
Delta R.T. 0.018 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:228 Resp: 8635685

Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.5	36.7
229	20.6	16.2	24.2



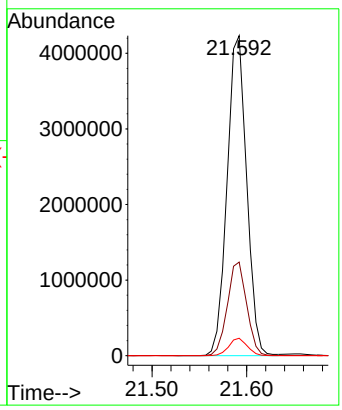


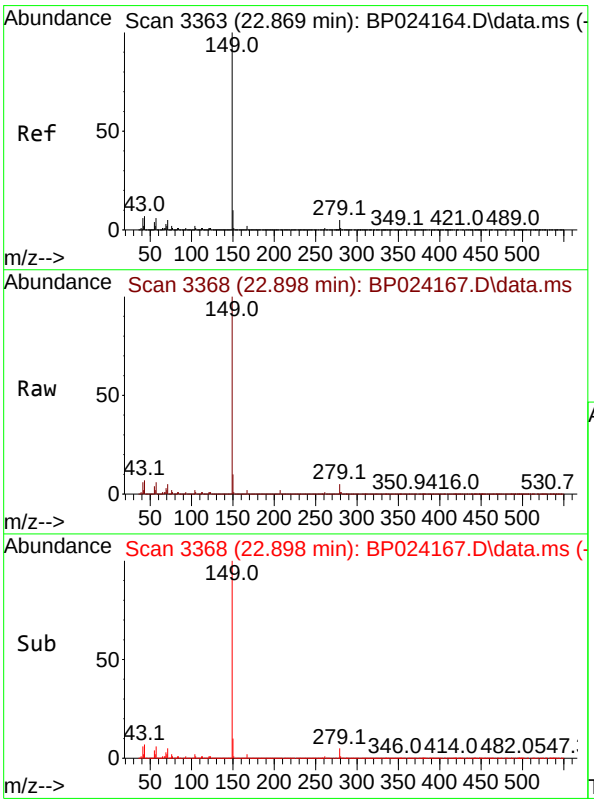
#84
Bis(2-ethylhexyl)phthalate
Concen: 92.215 ng
RT: 21.592 min Scan# 3
Delta R.T. 0.023 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 6077881

Ion	Ratio	Lower	Upper
149	100		
167	29.2	22.5	33.7
279	5.5	3.6	5.4#

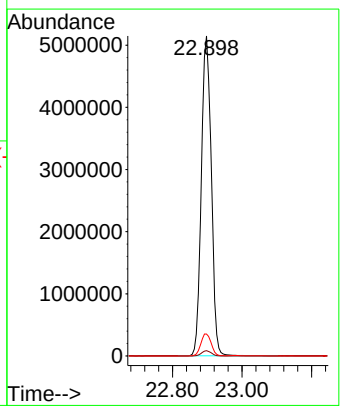


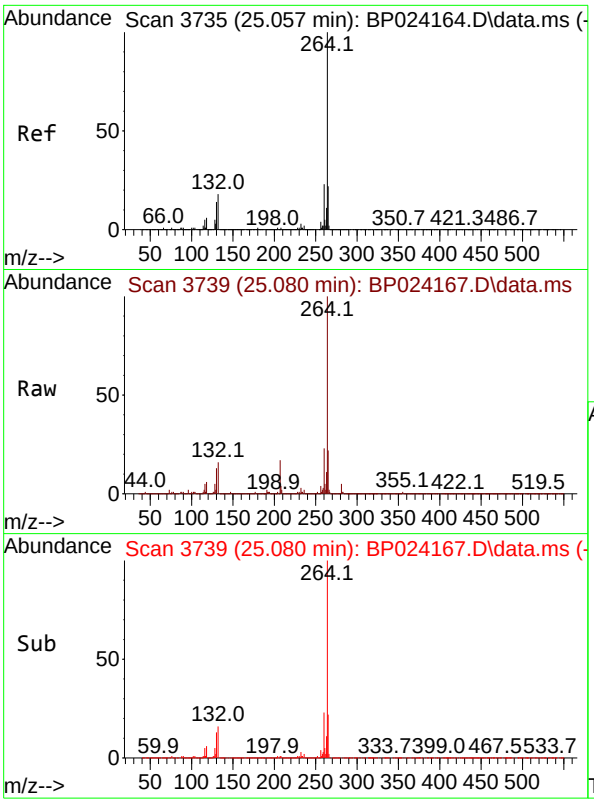


#85
Di-n-octyl phthalate
Concen: 97.189 ng
RT: 22.898 min Scan# 3368
Delta R.T. 0.029 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:149 Resp:10239008

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.1	5.8	8.8



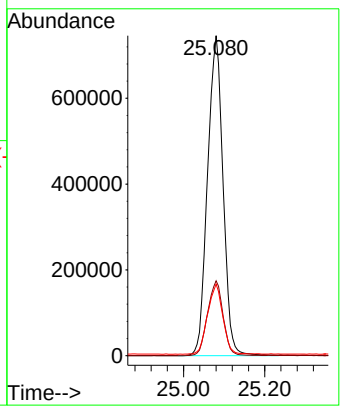


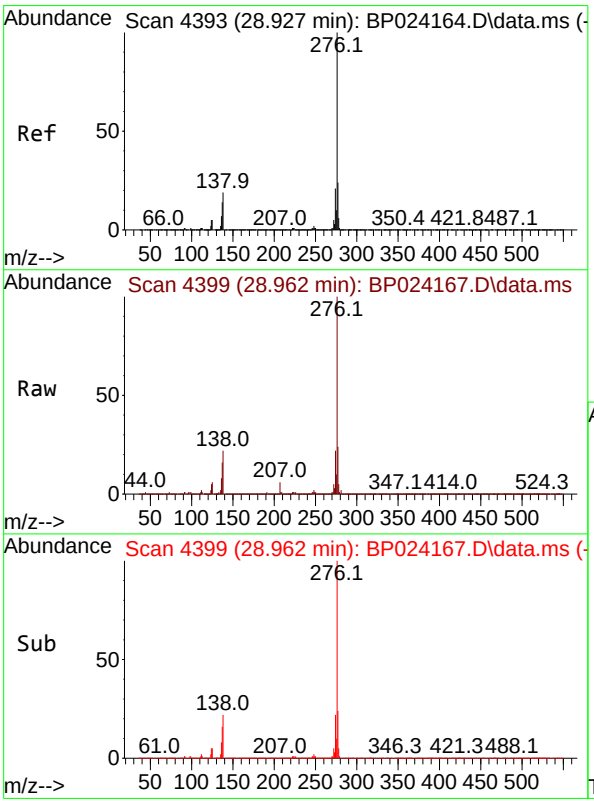
#86
Perylene-d12
Concen: 20.000 ng
RT: 25.080 min Scan# 3
Delta R.T. 0.023 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:264 Resp: 1974592

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.5	27.7
265	22.3	17.7	26.5

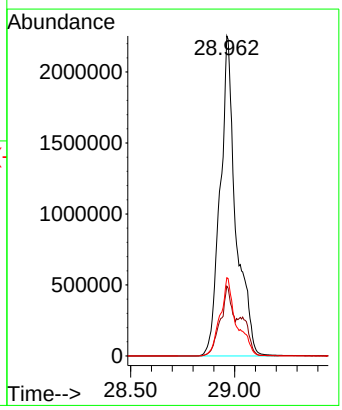


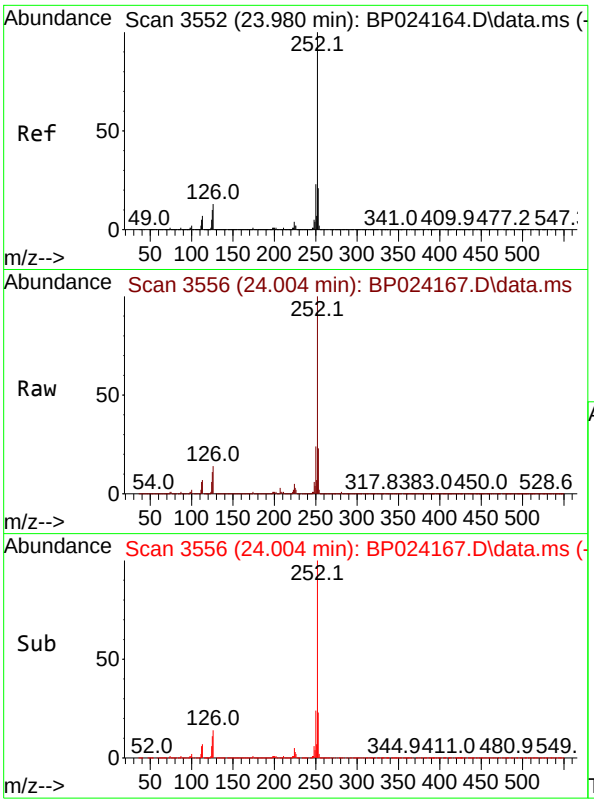


#87
Indeno(1,2,3-cd)pyrene
Concen: 84.301 ng
RT: 28.962 min Scan# 4399
Delta R.T. 0.035 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:276 Resp:11842118

Ion	Ratio	Lower	Upper
276	100		
138	16.9	13.7	20.5
277	25.4	20.2	30.2



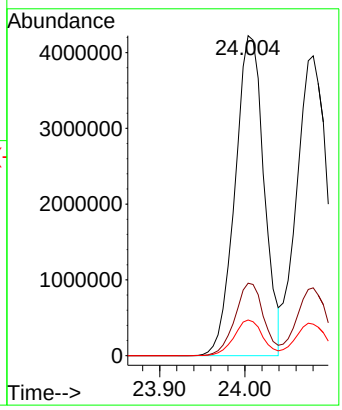


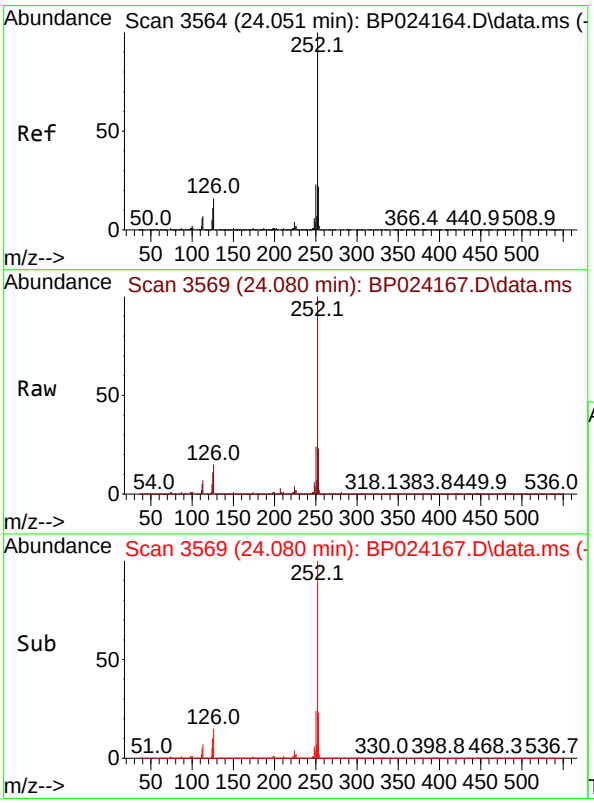
#88
Benzo(b)fluoranthene
Concen: 79.623 ng
RT: 24.004 min Scan# 3
Delta R.T. 0.023 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 9984031

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.2	25.8
125	11.1	8.2	12.4

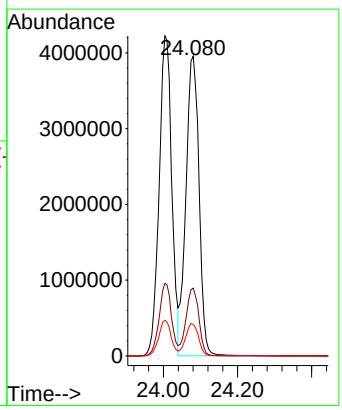


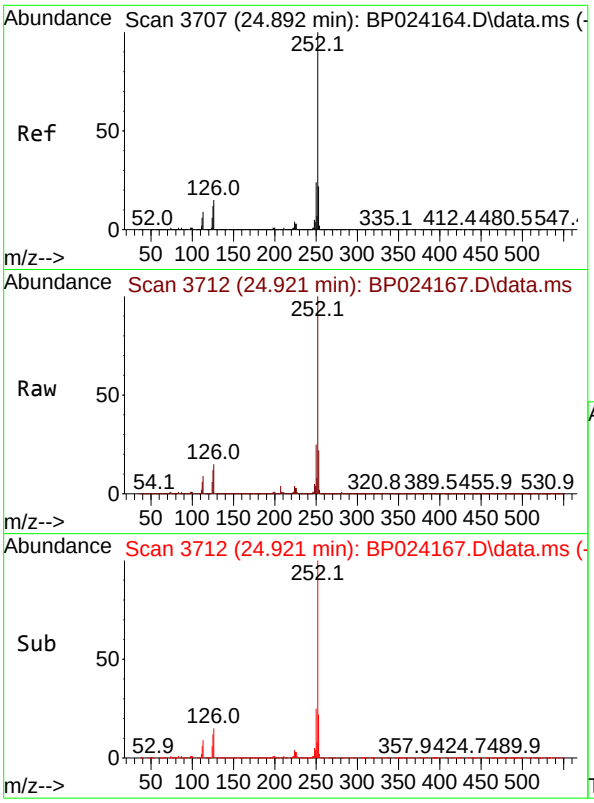


#89
Benzo(k)fluoranthene
Concen: 79.712 ng
RT: 24.080 min Scan# 3569
Delta R.T. 0.029 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:252 Resp: 9728938

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.7	26.5
125	10.5	9.1	13.7



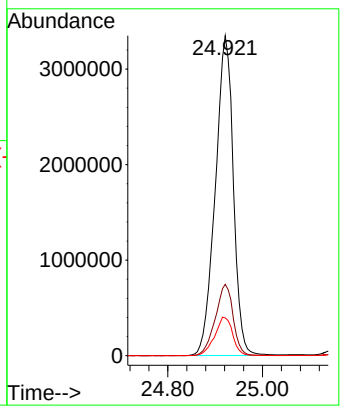


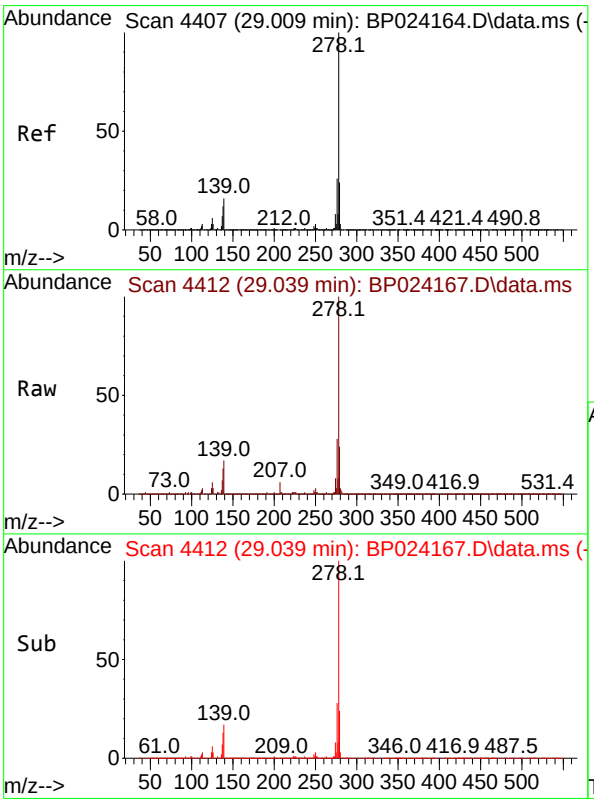
#90
Benzo(a)pyrene
Concen: 83.259 ng
RT: 24.921 min Scan# 3
Delta R.T. 0.029 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 8860063

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.0
125	11.8	9.6	14.4

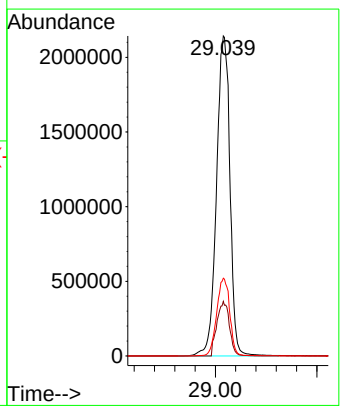


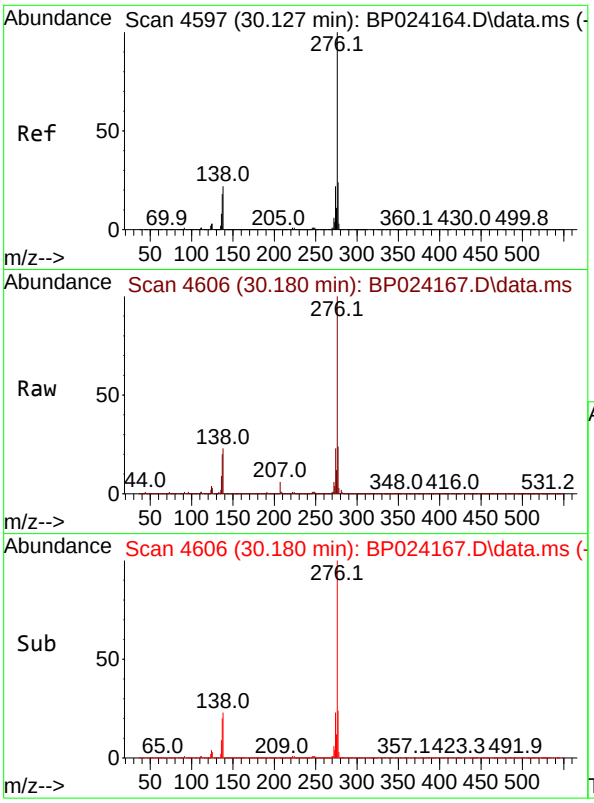


#91
Dibenzo(a,h)anthracene
Concen: 83.210 ng
RT: 29.039 min Scan# 4412
Delta R.T. 0.029 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Tgt Ion:278 Resp: 9828241

Ion	Ratio	Lower	Upper
278	100		
139	17.1	13.0	19.4
279	24.3	18.8	28.2



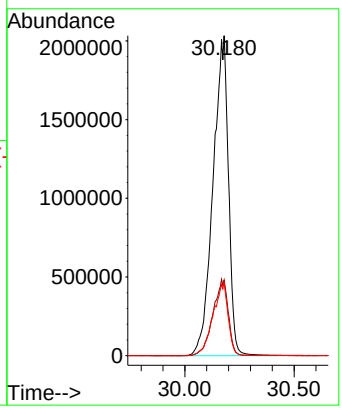


#92
Benzo(g,h,i)perylene
Concen: 82.940 ng
RT: 30.180 min Scan# 4
Delta R.T. 0.053 min
Lab File: BP024167.D
Acq: 12 Mar 2025 21:02

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 9940803

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.2	28.8
138	23.0	17.4	26.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024168.D
Acq On : 12 Mar 2025 21:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Quant Time: Mar 13 04:44:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:38:17 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	399821	20.000	ng	0.00
21) Naphthalene-d8	10.552	136	1631941	20.000	ng	0.00
39) Acenaphthene-d10	14.404	164	966525	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	1810172	20.000	ng	0.00
76) Chrysene-d12	21.669	240	1903114	20.000	ng	0.01
86) Perylene-d12	25.069	264	2127367	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	1959434	78.230	ng	0.00
7) Phenol-d6	6.952	99	2636154	78.704	ng	0.00
23) Nitrobenzene-d5	8.922	82	2274955	78.652	ng	0.00
42) 2,4,6-Tribromophenol	15.922	330	995466	81.766	ng	0.00
45) 2-Fluorobiphenyl	13.022	172	5105223	77.885	ng	0.00
79) Terphenyl-d14	19.933	244	7241807	78.549	ng	0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.317	88	376087	37.880	ng	99
3) Pyridine	3.717	79	1050879	38.718	ng	99
4) n-Nitrosodimethylamine	3.623	42	350385	38.646	ng	98
6) Aniline	7.111	93	1202738	39.413	ng	100
8) 2-Chlorophenol	7.346	128	1059150	39.149	ng	100
9) Benzaldehyde	6.922	77	652848	40.389	ng	99
10) Phenol	6.981	94	1314283	38.869	ng	99
11) bis(2-Chloroethyl)ether	7.199	93	1018670	38.203	ng	99
12) 1,3-Dichlorobenzene	7.664	146	1118950	38.353	ng	99
13) 1,4-Dichlorobenzene	7.805	146	1130770	37.960	ng	99
14) 1,2-Dichlorobenzene	8.122	146	1089564	38.116	ng	100
15) Benzyl Alcohol	8.011	79	848187	39.999	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.299	45	1043834	38.356	ng	99
17) 2-Methylphenol	8.216	107	840413	39.636	ng	100
18) Hexachloroethane	8.846	117	407804	38.587	ng	98
19) n-Nitroso-di-n-propyla...	8.575	70	771380	39.697	ng	99
20) 3+4-Methylphenols	8.540	107	1154401	39.629	ng	100
22) Acetophenone	8.587	105	1593044	38.611	ng	100
24) Nitrobenzene	8.963	77	1114096	39.045	ng	99
25) Isophorone	9.487	82	1967247	39.677	ng	99
26) 2-Nitrophenol	9.669	139	570971	41.892	ng	98
27) 2,4-Dimethylphenol	9.734	122	697163	39.779	ng	98
28) bis(2-Chloroethoxy)met...	9.963	93	1346656	38.608	ng	100
29) 2,4-Dichlorophenol	10.205	162	961583	40.558	ng	99
30) 1,2,4-Trichlorobenzene	10.416	180	1002302	38.264	ng	99
31) Naphthalene	10.605	128	3306535	38.223	ng	100
32) Benzoic acid	9.881	122	745543	43.618	ng	98
33) 4-Chloroaniline	10.710	127	1222820	39.499	ng	100
34) Hexachlorobutadiene	10.887	225	585728	38.854	ng	98
35) Caprolactam	11.499	113	317484	40.859	ng	97
36) 4-Chloro-3-methylphenol	11.840	107	1015423	39.702	ng	99
37) 2-Methylnaphthalene	12.210	142	2265320	38.762	ng	99
38) 1-Methylnaphthalene	12.434	142	2209719	38.874	ng	99
40) 1,2,4,5-Tetrachloroben...	12.581	216	1089303	38.988	ng	100
41) Hexachlorocyclopentadiene	12.569	237	413181	41.026	ng	100
43) 2,4,6-Trichlorophenol	12.828	196	727105	40.950	ng	99

ICAL Form

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Data File : BP024168.D
Acq On : 12 Mar 2025 21:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Quant Time: Mar 13 04:44:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:38:17 2025
Response via : Initial Calibration

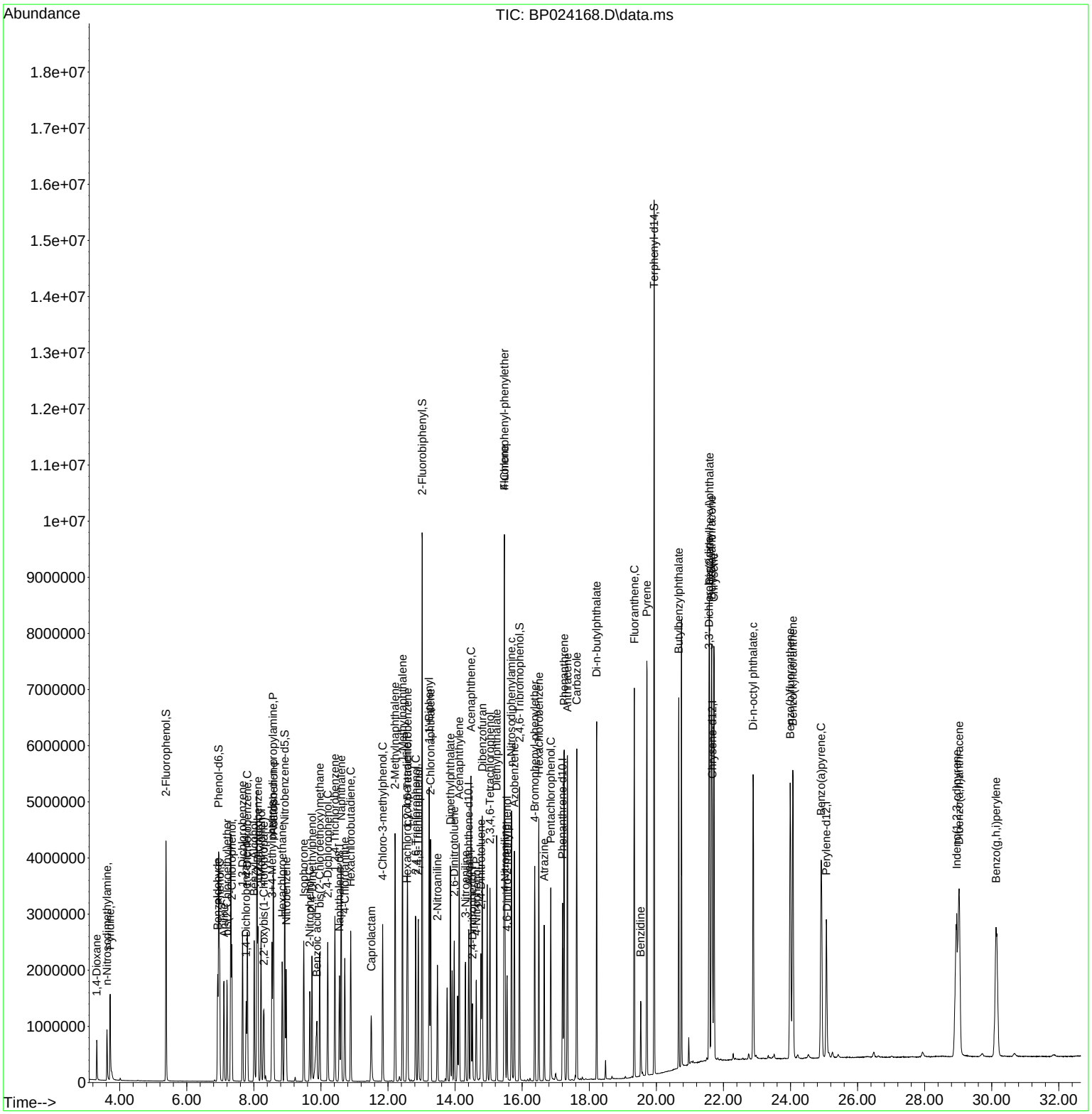
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.904	196	798076	40.985	ng	98
46) 1,1'-Biphenyl	13.228	154	2821370	38.846	ng	99
47) 2-Chloronaphthalene	13.269	162	2130879	39.006	ng	100
48) 2-Nitroaniline	13.475	65	574806	41.137	ng	99
49) Acenaphthylene	14.122	152	3245488	39.262	ng	100
50) Dimethylphthalate	13.863	163	2606961	38.548	ng	99
51) 2,6-Dinitrotoluene	13.975	165	563651	39.611	ng	98
52) Acenaphthene	14.475	154	2053476	38.881	ng	98
53) 3-Nitroaniline	14.310	138	625803	40.719	ng	99
54) 2,4-Dinitrophenol	14.516	184	322185	42.791	ng	98
55) Dibenzofuran	14.810	168	3273448	38.264	ng	100
56) 4-Nitrophenol	14.634	139	543119	42.293	ng	98
57) 2,4-Dinitrotoluene	14.769	165	772629	41.106	ng	99
58) Fluorene	15.469	166	2603595	39.061	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.040	232	685479	39.844	ng	100
60) Diethylphthalate	15.240	149	2595505	38.539	ng	100
61) 4-Chlorophenyl-phenyle...	15.469	204	1261005	38.572	ng	99
62) 4-Nitroaniline	15.493	138	664956	41.253	ng	99
63) Azobenzene	15.769	77	2497600	39.347	ng	99
65) 4,6-Dinitro-2-methylph...	15.551	198	434596	40.442	ng	95
66) n-Nitrosodiphenylamine	15.681	169	2156617	39.234	ng	99
67) 4-Bromophenyl-phenylether	16.375	248	772937	38.892	ng	98
68) Hexachlorobenzene	16.498	284	919105	39.073	ng	97
69) Atrazine	16.657	200	481443	36.287	ng	99
70) Pentachlorophenol	16.851	266	626146	41.161	ng	100
71) Phenanthrene	17.251	178	3795212	38.379	ng	99
72) Anthracene	17.351	178	3790779	39.358	ng	99
73) Carbazole	17.628	167	3684202	39.665	ng	100
74) Di-n-butylphthalate	18.222	149	4505984	40.866	ng	100
75) Fluoranthene	19.345	202	4467370	39.006	ng	99
77) Benzidine	19.534	184	827654	39.777	ng	99
78) Pyrene	19.716	202	4681182	39.565	ng	100
80) Butylbenzylphthalate	20.669	149	1991838	40.824	ng	98
81) Benzo(a)anthracene	21.651	228	4652183	39.318	ng	99
82) 3,3'-Dichlorobenzidine	21.569	252	1655655	41.750	ng	99
83) Chrysene	21.716	228	4393252	38.624	ng	99
84) Bis(2-ethylhexyl)phtha...	21.586	149	3060349	41.569	ng	99
85) Di-n-octyl phthalate	22.886	149	5007462	42.452	ng	100
87) Indeno(1,2,3-cd)pyrene	28.957	276	5699470	38.387	ng	100
88) Benzo(b)fluoranthene	23.992	252	4988392	38.891	ng	98
89) Benzo(k)fluoranthene	24.069	252	4803010	38.280	ng	99
90) Benzo(a)pyrene	24.916	252	4306060	38.607	ng	100
91) Dibenzo(a,h)anthracene	29.027	278	4752357	38.474	ng	99
92) Benzo(g,h,i)perylene	30.127	276	4782473m	38.087	ng	

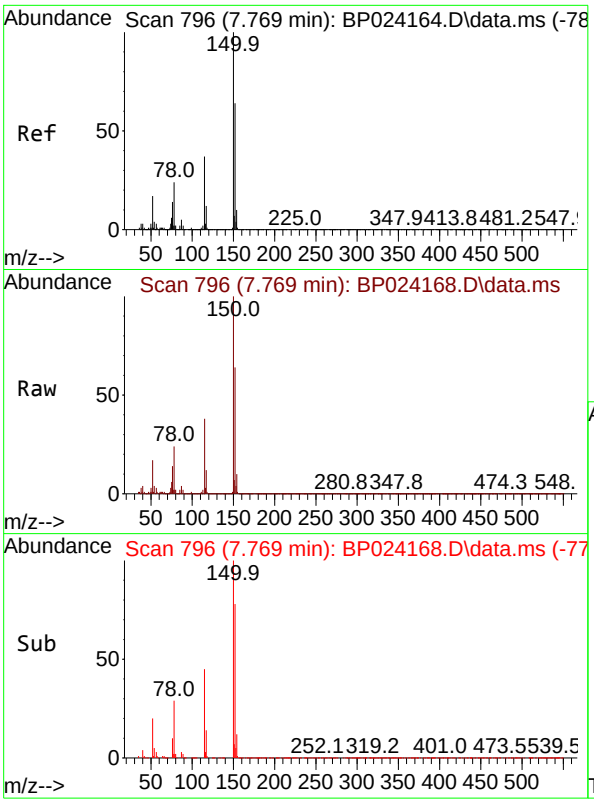
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Data File : BP024168.D
Acq On : 12 Mar 2025 21:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Quant Time: Mar 13 04:44:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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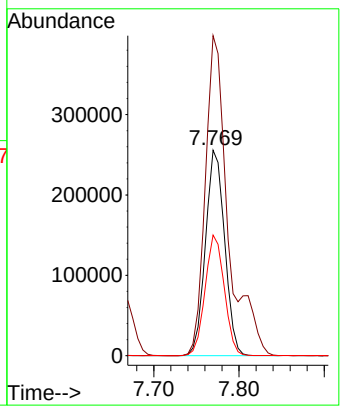


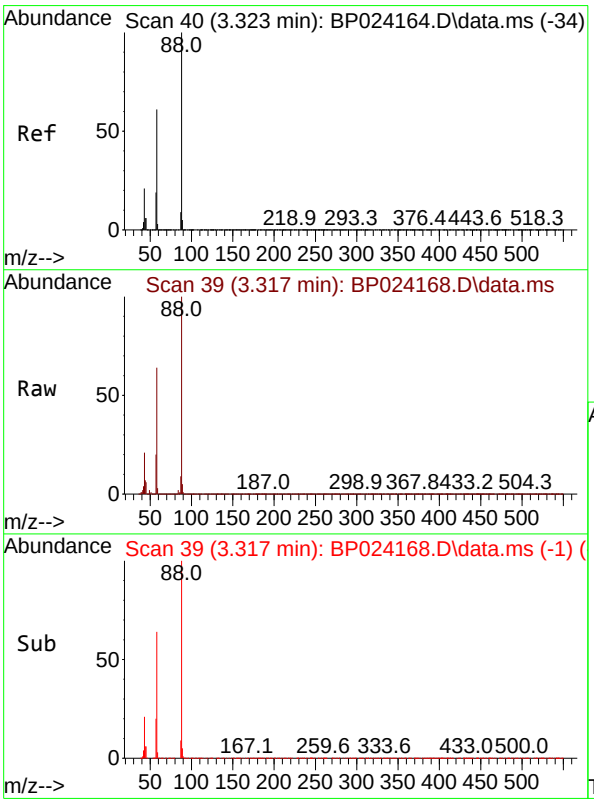
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion:152 Resp: 399821

Ion	Ratio	Lower	Upper
152	100		
150	155.8	125.5	188.3
115	58.8	46.3	69.5

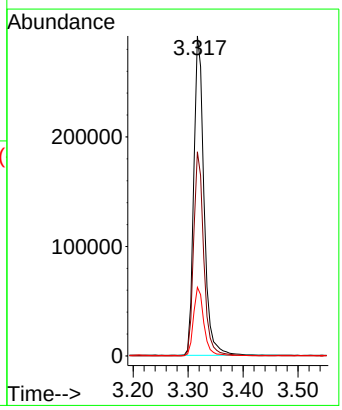


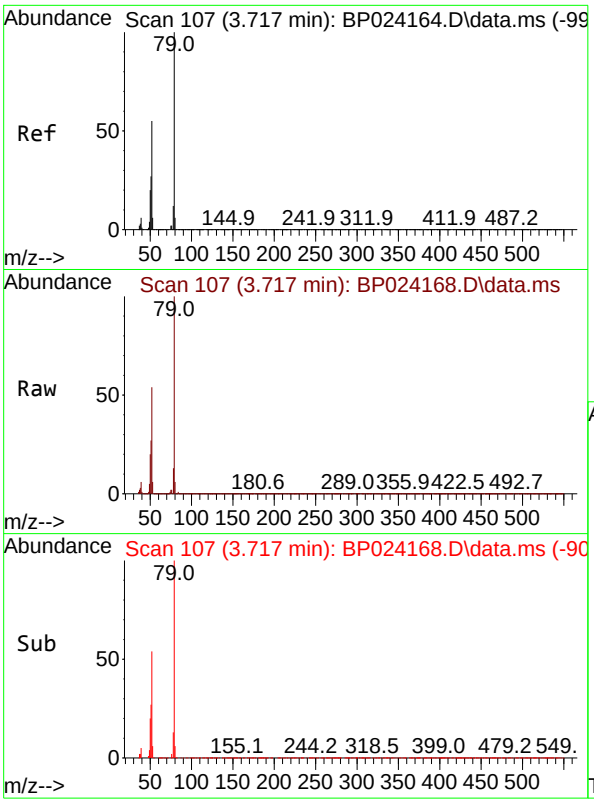


#2
1,4-Dioxane
Concen: 37.880 ng
RT: 3.317 min Scan# 39
Delta R.T. -0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion: 88 Resp: 376087

Ion	Ratio	Lower	Upper
88	100		
58	63.2	49.8	74.6
43	21.7	17.3	25.9



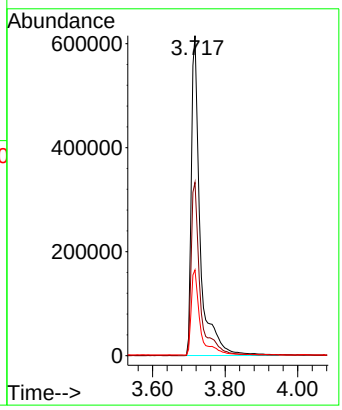


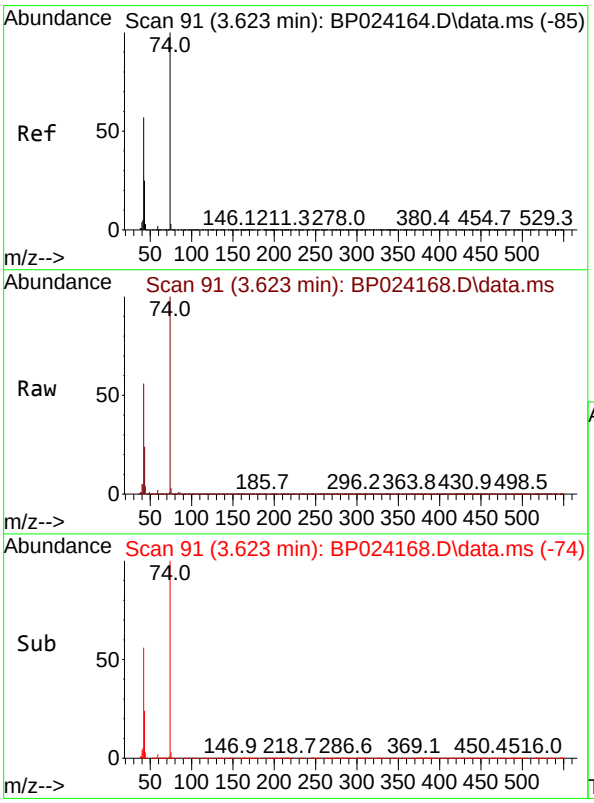
#3
Pyridine
Concen: 38.718 ng
RT: 3.717 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion: 79 Resp: 1050879

Ion	Ratio	Lower	Upper
79	100		
52	54.2	43.8	65.8
51	26.8	21.6	32.4

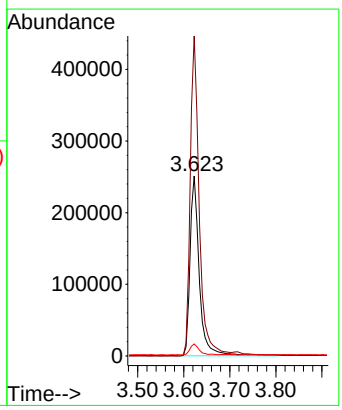


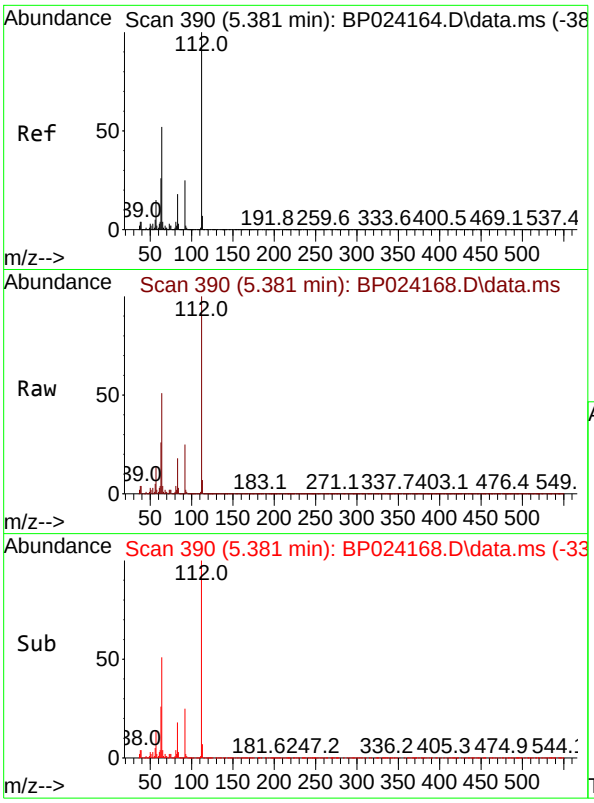


#4
n-Nitrosodimethylamine
Concen: 38.646 ng
RT: 3.623 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion: 42 Resp: 350385

Ion	Ratio	Lower	Upper
42	100		
74	177.7	139.8	209.6
44	6.7	5.3	7.9



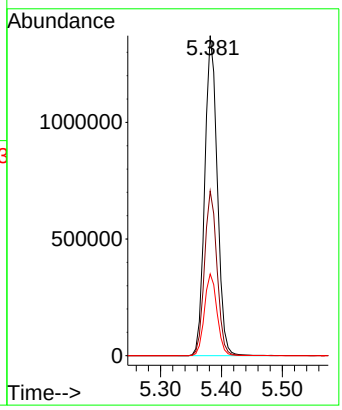


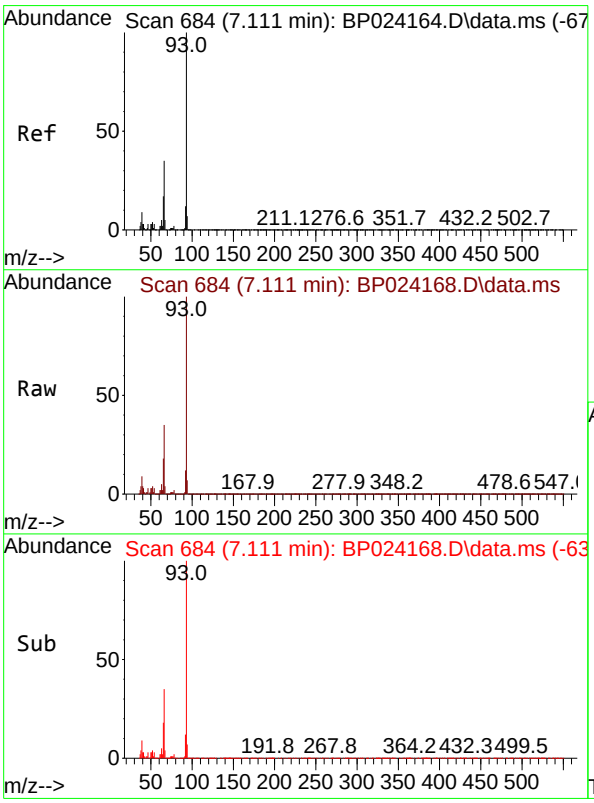
#5
2-Fluorophenol
Concen: 78.230 ng
RT: 5.381 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion:112 Resp: 1959434

Ion	Ratio	Lower	Upper
112	100		
64	51.4	41.3	61.9
63	25.6	20.6	31.0

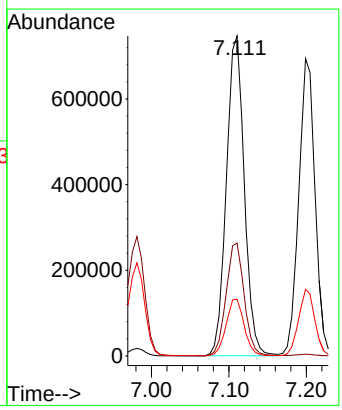


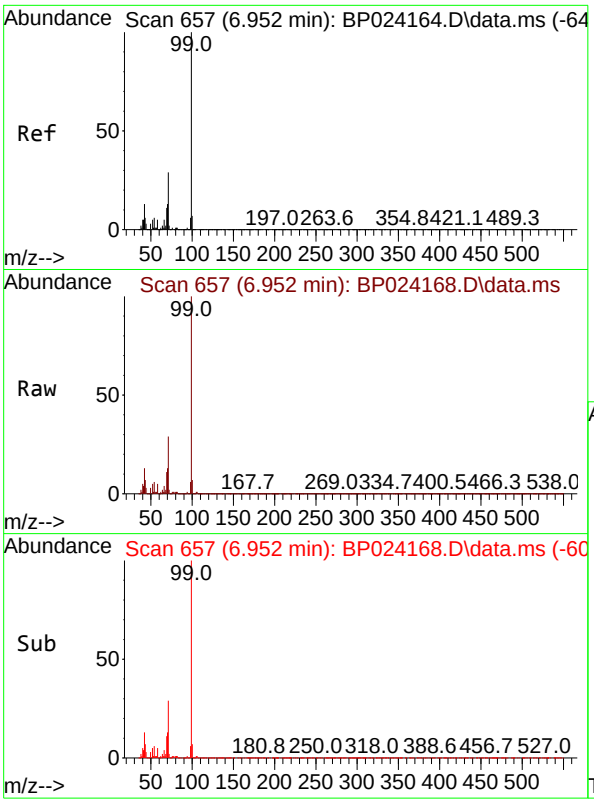


#6
Aniline
Concen: 39.413 ng
RT: 7.111 min Scan# 684
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion: 93 Resp: 1202738

Ion	Ratio	Lower	Upper
93	100		
66	35.3	28.2	42.2
65	17.8	14.0	21.0



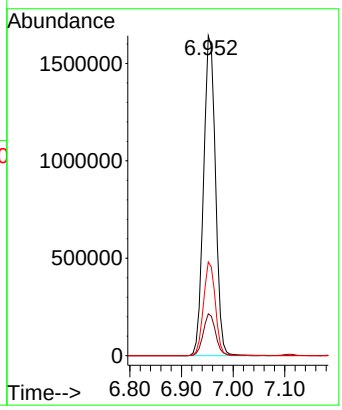


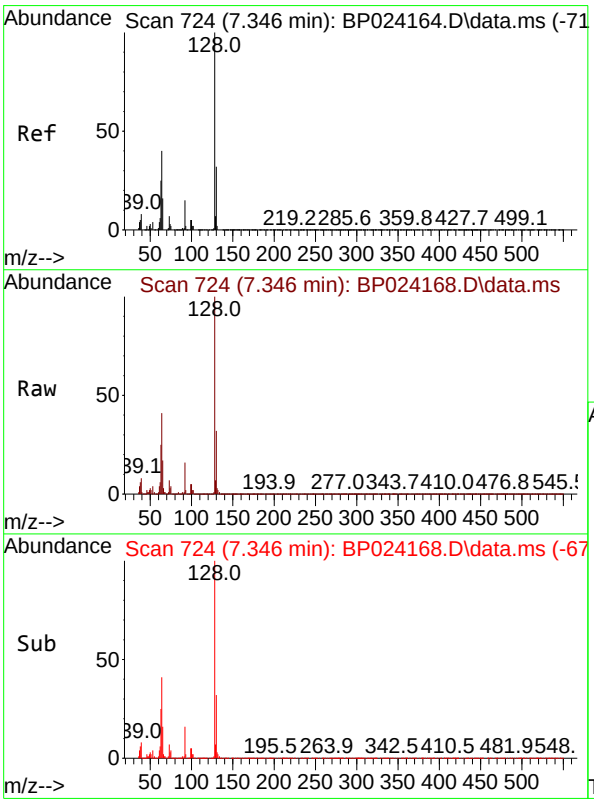
#7
Phenol-d6
Concen: 78.704 ng
RT: 6.952 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion: 99 Resp: 2636154

Ion	Ratio	Lower	Upper
99	100		
42	13.1	10.6	16.0
71	29.3	23.3	34.9

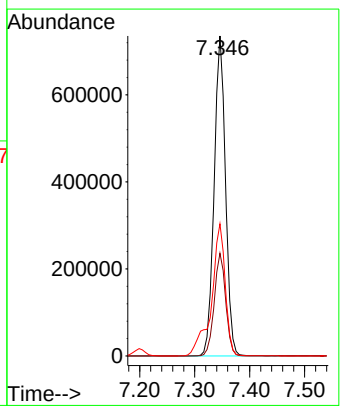


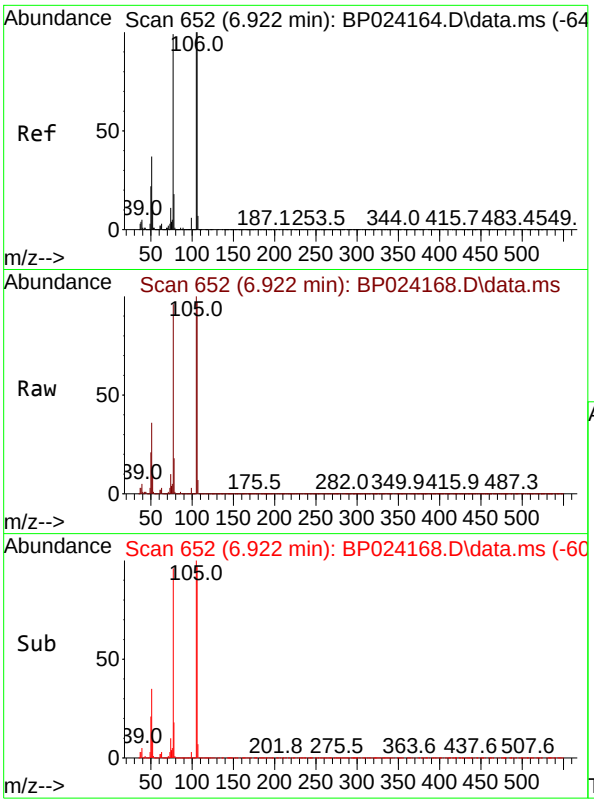


#8
2-Chlorophenol
Concen: 39.149 ng
RT: 7.346 min Scan# 724
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:128 Resp: 1059150

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.0	52.0
64	41.3	21.6	61.6



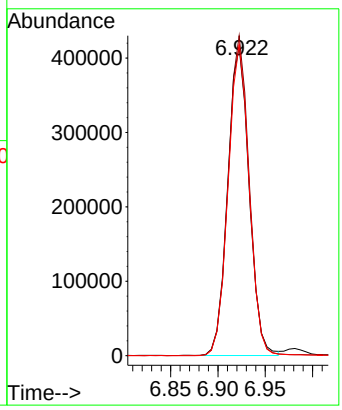


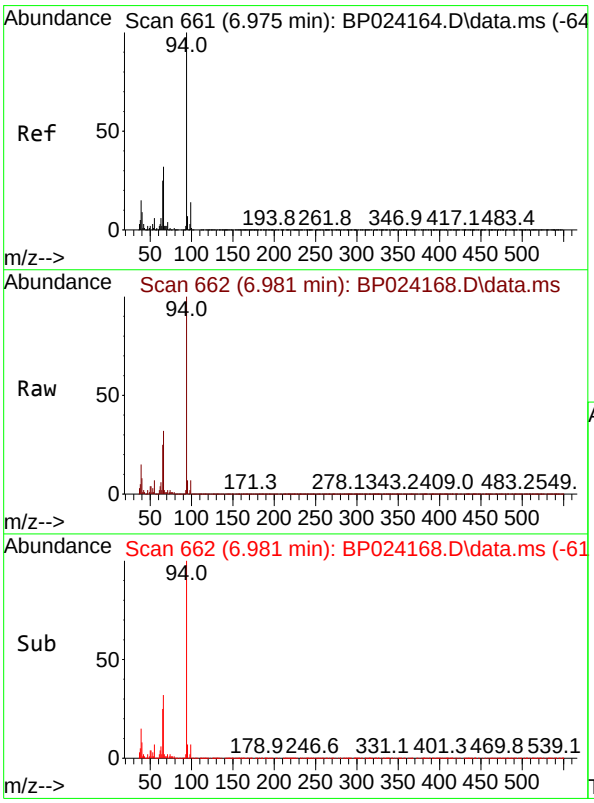
#9
Benzaldehyde
Concen: 40.389 ng
RT: 6.922 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion: 77 Resp: 652848

Ion	Ratio	Lower	Upper
77	100		
105	103.7	81.4	121.4
106	100.8	81.1	121.1

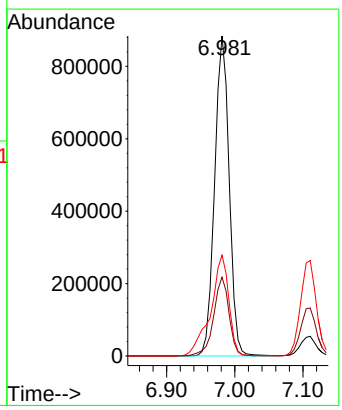


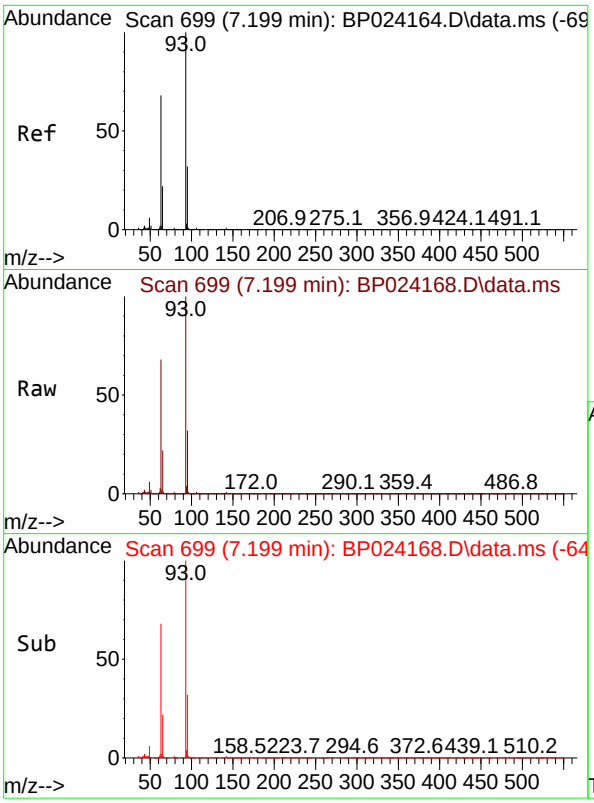


#10
Phenol
Concen: 38.869 ng
RT: 6.981 min Scan# 662
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion: 94 Resp: 1314283

Ion	Ratio	Lower	Upper
94	100		
65	24.6	4.9	44.9
66	31.5	11.9	51.9



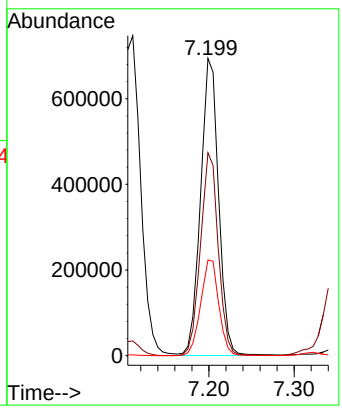


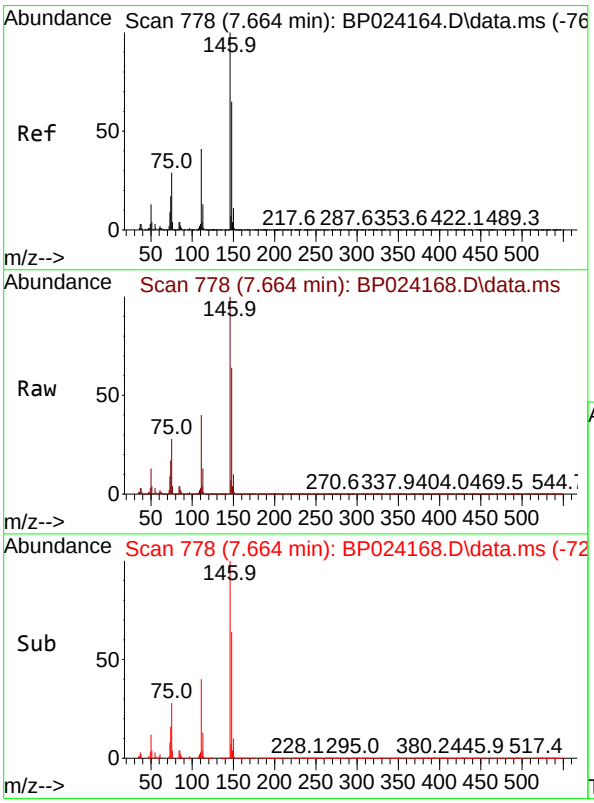
#11
bis(2-Chloroethyl)ether
Concen: 38.203 ng
RT: 7.199 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion: 93 Resp: 1018670

Ion	Ratio	Lower	Upper
93	100		
63	68.3	47.4	87.4
95	32.2	12.1	52.1

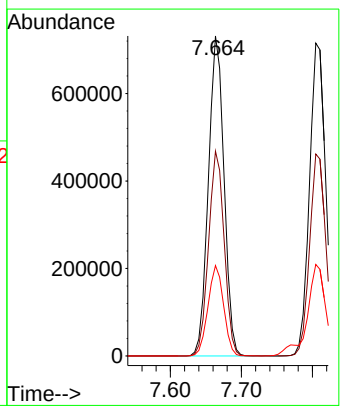


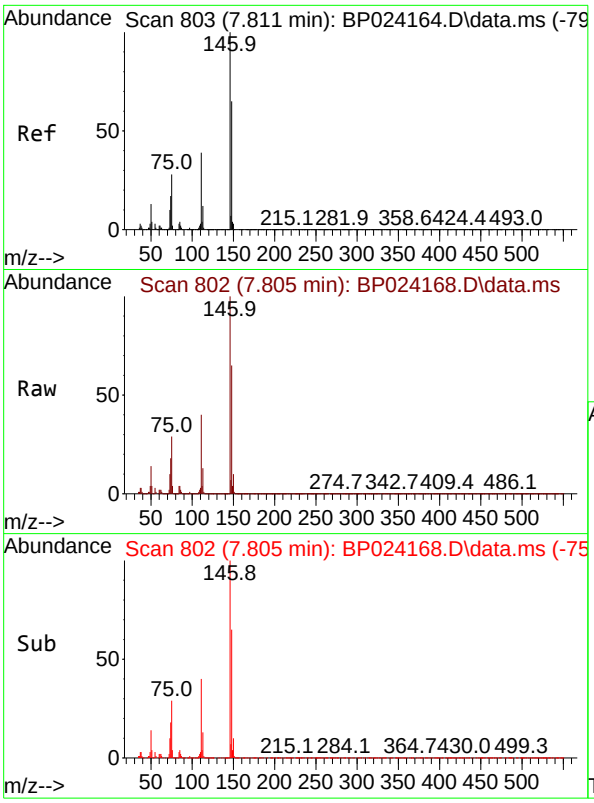


#12
1,3-Dichlorobenzene
Concen: 38.353 ng
RT: 7.664 min Scan# 778
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:146 Resp: 1118950

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.6	77.4
75	28.2	22.8	34.2



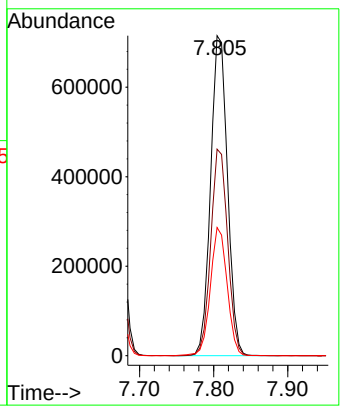


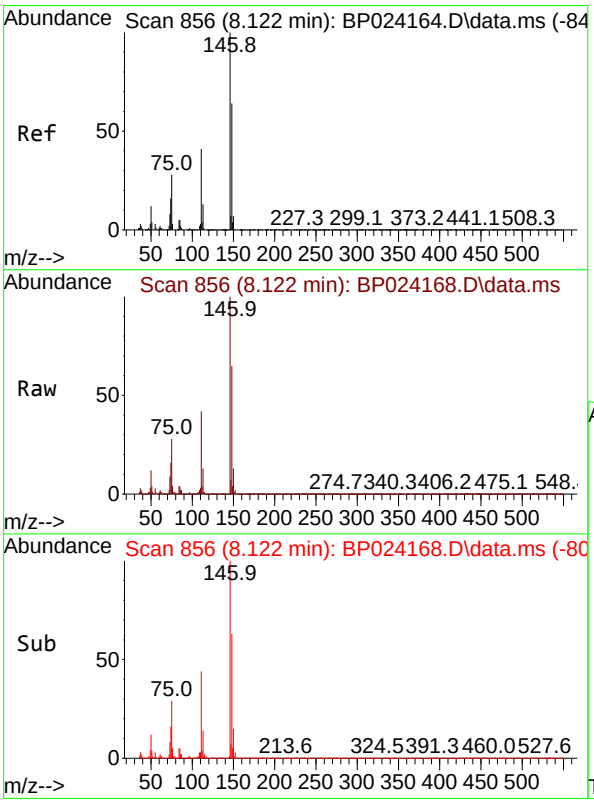
#13
1,4-Dichlorobenzene
Concen: 37.960 ng
RT: 7.805 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion:146 Resp: 1130770

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.9	77.9
111	40.1	31.4	47.2

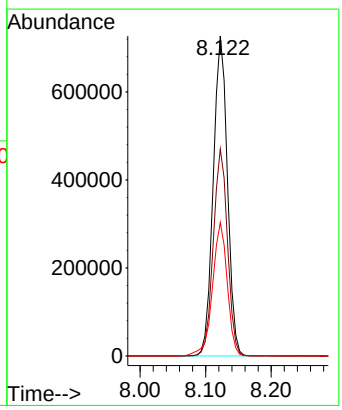


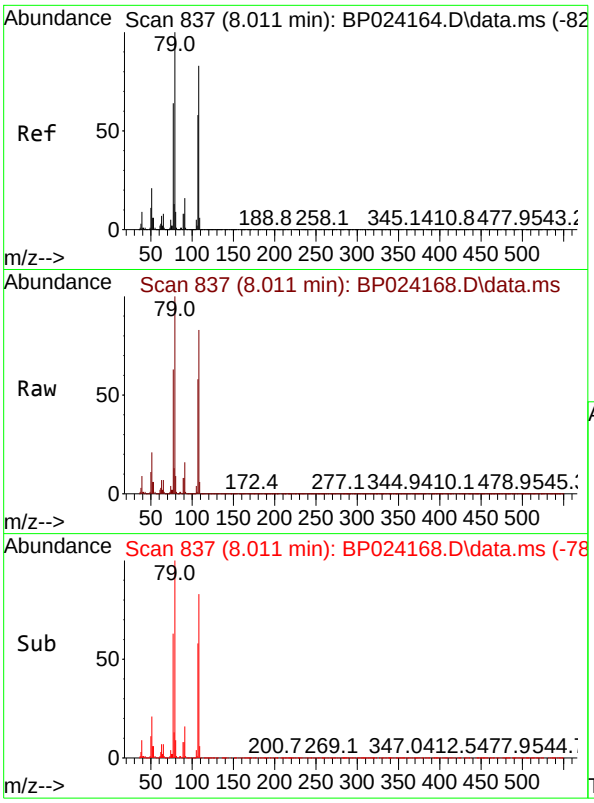


#14
1,2-Dichlorobenzene
Concen: 38.116 ng
RT: 8.122 min Scan# 856
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:146 Resp: 1089564

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.4	77.2
111	41.7	33.2	49.8



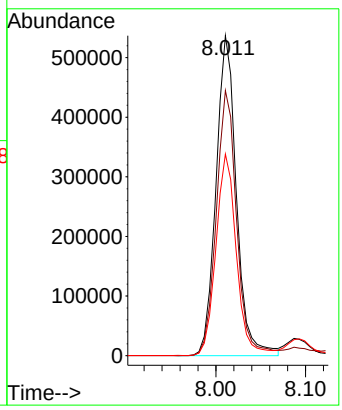


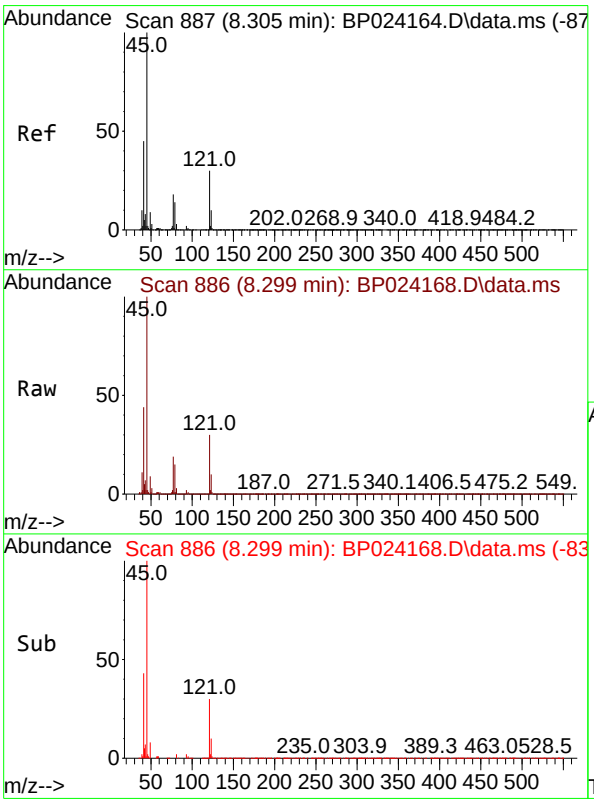
#15
Benzyl Alcohol
Concen: 39.999 ng
RT: 8.011 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion: 79 Resp: 848187

Ion	Ratio	Lower	Upper
79	100		
108	82.9	66.5	99.7
77	63.0	50.9	76.3

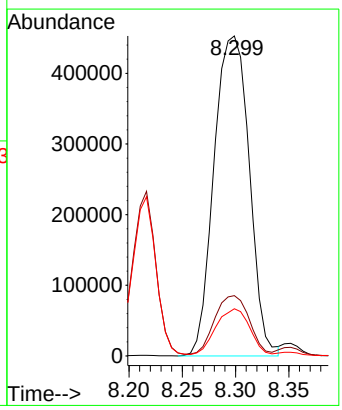


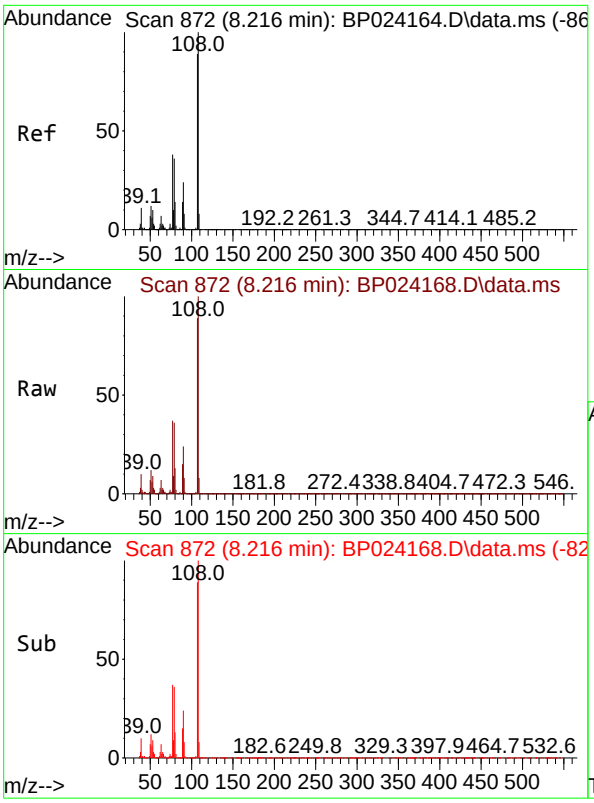


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.356 ng
RT: 8.299 min Scan# 886
Delta R.T. -0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion: 45 Resp: 1043834

Ion	Ratio	Lower	Upper
45	100		
77	18.9	0.0	39.0
79	14.7	0.0	35.6



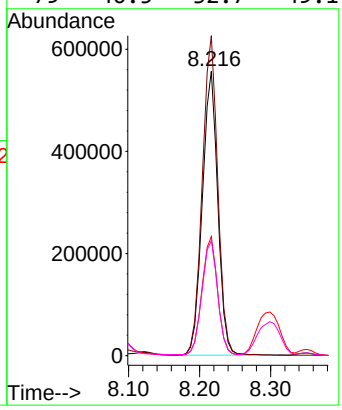


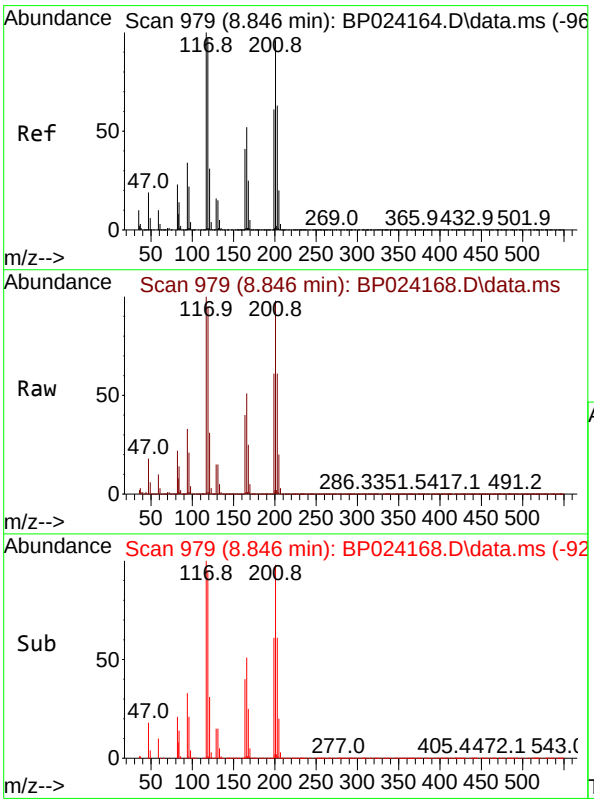
#17
2-Methylphenol
Concen: 39.636 ng
RT: 8.216 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion:107 Resp: 840413

Ion	Ratio	Lower	Upper
107	100		
108	112.5	90.0	135.0
77	41.8	34.0	51.0
79	40.5	32.7	49.1

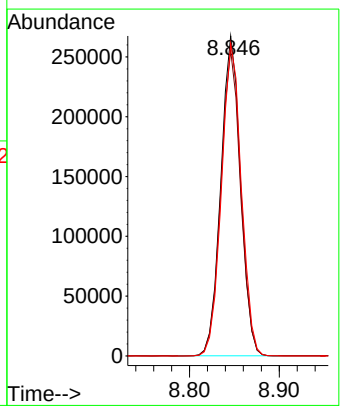


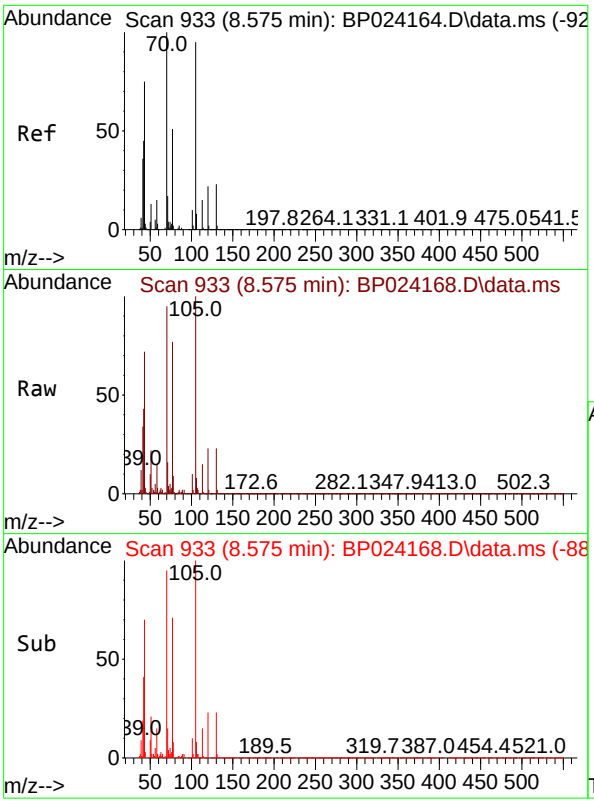


#18
Hexachloroethane
Concen: 38.587 ng
RT: 8.846 min Scan# 979
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:117 Resp: 407804

Ion	Ratio	Lower	Upper
117	100		
119	95.5	77.4	116.0
201	97.7	76.6	114.8



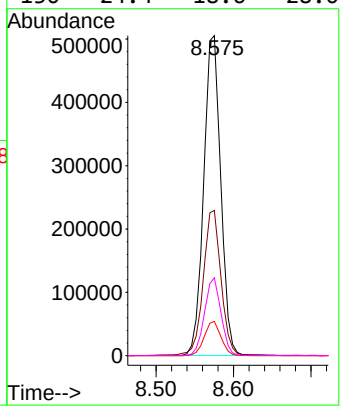


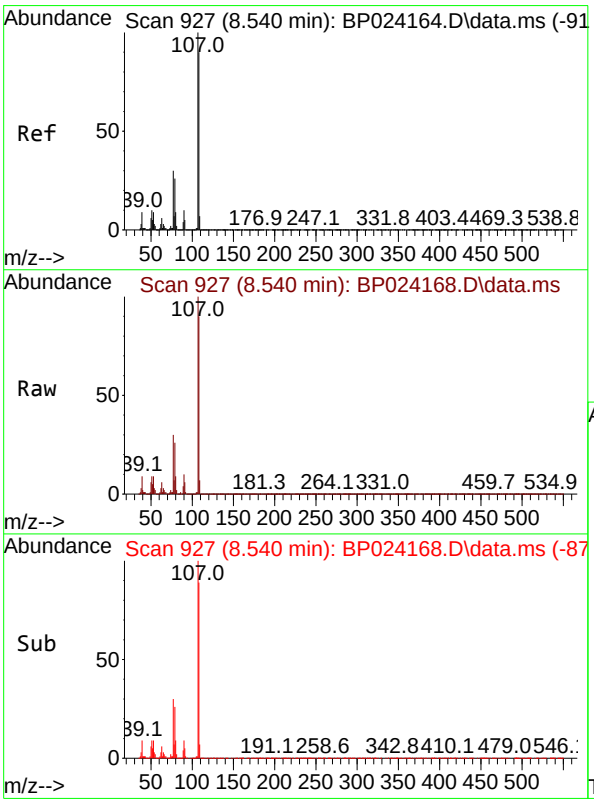
#19
n-Nitroso-di-n-propylamine
Concen: 39.697 ng
RT: 8.575 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion: 70 Resp: 771380

Ion	Ratio	Lower	Upper
70	100		
42	45.4	36.0	54.0
101	10.7	8.3	12.5
130	24.4	18.6	28.0

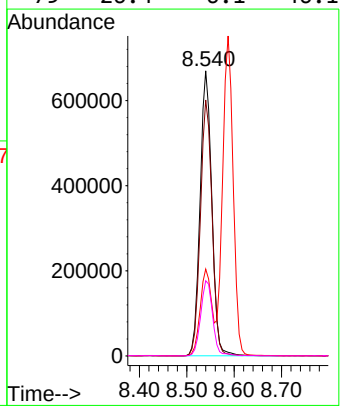


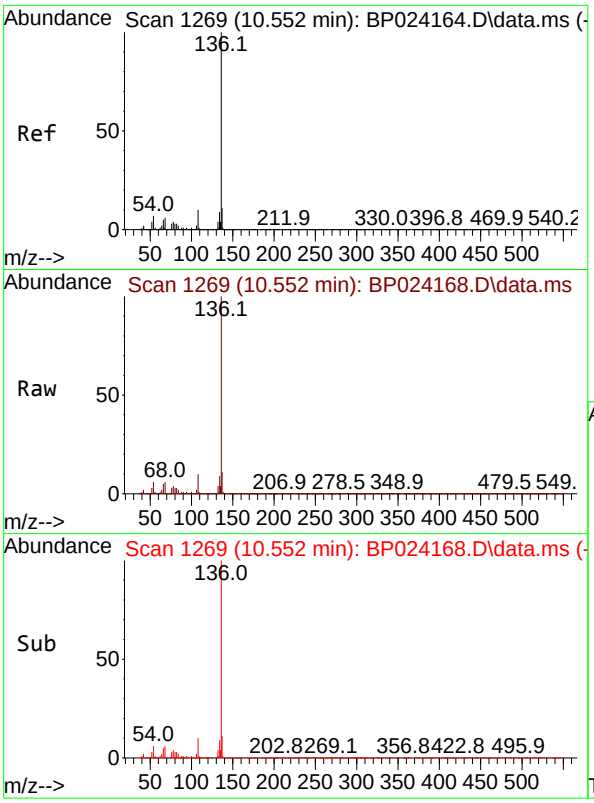


#20
3+4-Methylphenols
Concen: 39.629 ng
RT: 8.540 min Scan# 927
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:107 Resp: 1154401

Ion	Ratio	Lower	Upper
107	100		
108	89.8	69.7	109.7
77	30.5	10.3	50.3
79	26.4	6.1	46.1



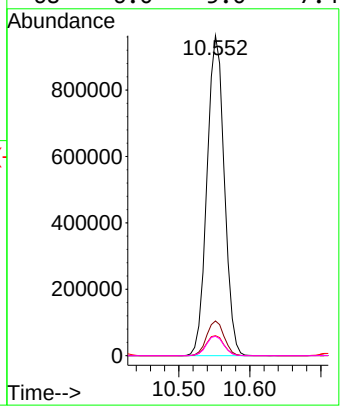


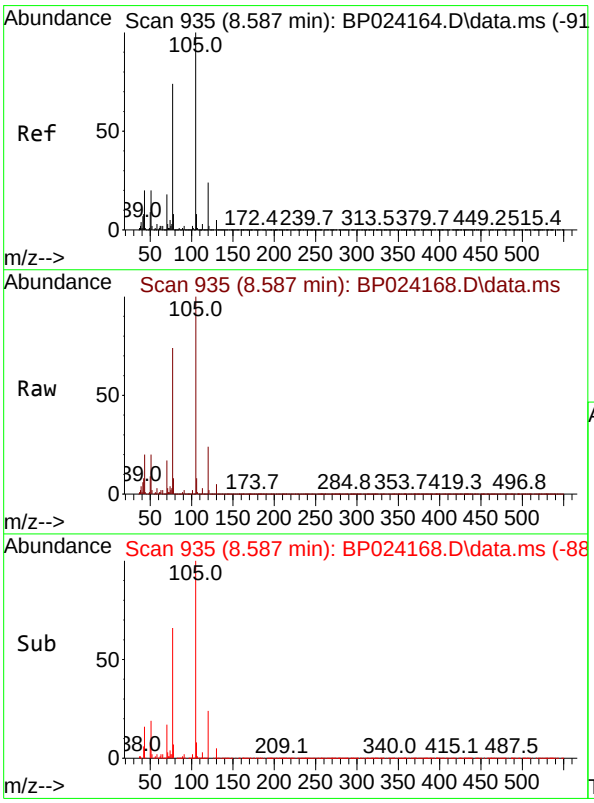
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.552 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion:136 Resp: 1631941

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	6.3	5.3	7.9
68	6.0	5.0	7.4

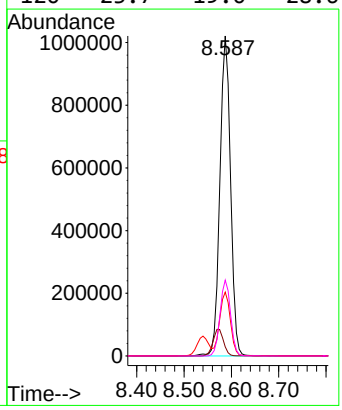


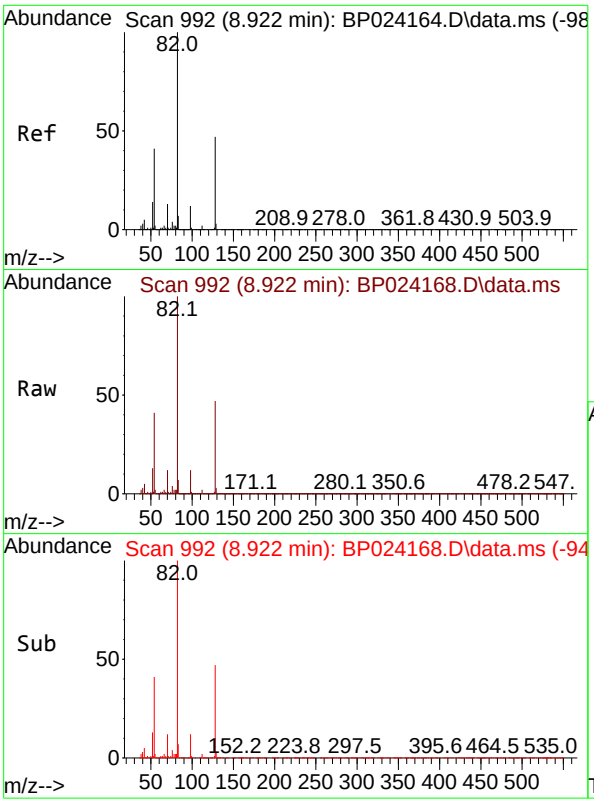


#22
Acetophenone
Concen: 38.611 ng
RT: 8.587 min Scan# 935
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:105 Resp: 1593044

Ion	Ratio	Lower	Upper
105	100		
71	2.9	2.4	3.6
51	20.0	16.2	24.2
120	23.7	19.0	28.6



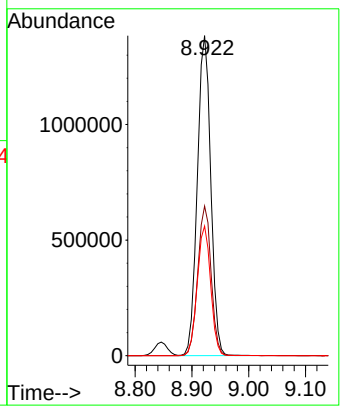


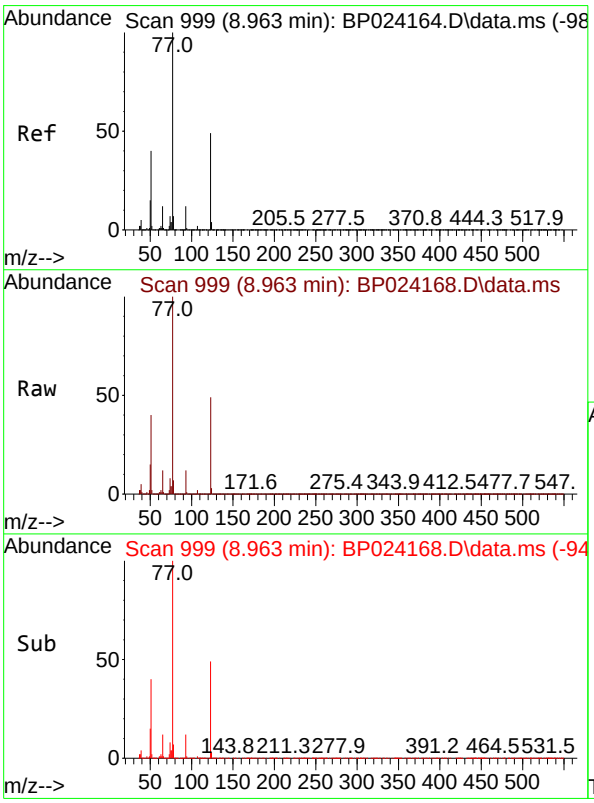
#23
Nitrobenzene-d5
Concen: 78.652 ng
RT: 8.922 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion: 82 Resp: 2274955

Ion	Ratio	Lower	Upper
82	100		
128	46.8	37.4	56.0
54	40.5	32.5	48.7

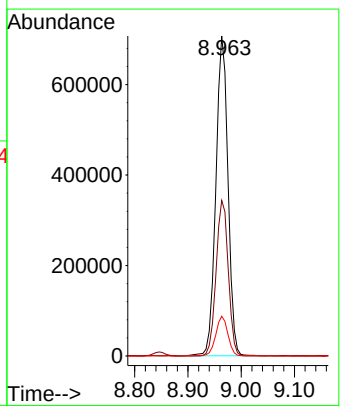


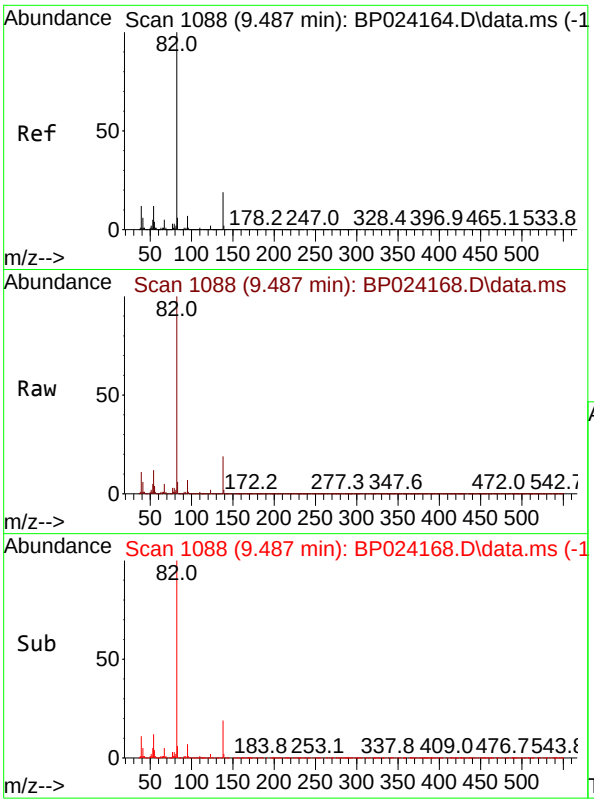


#24
Nitrobenzene
Concen: 39.045 ng
RT: 8.963 min Scan# 999
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion: 77 Resp: 1114096

Ion	Ratio	Lower	Upper
77	100		
123	48.6	39.4	59.2
65	12.4	9.9	14.9



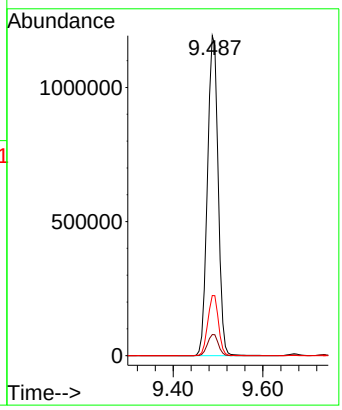


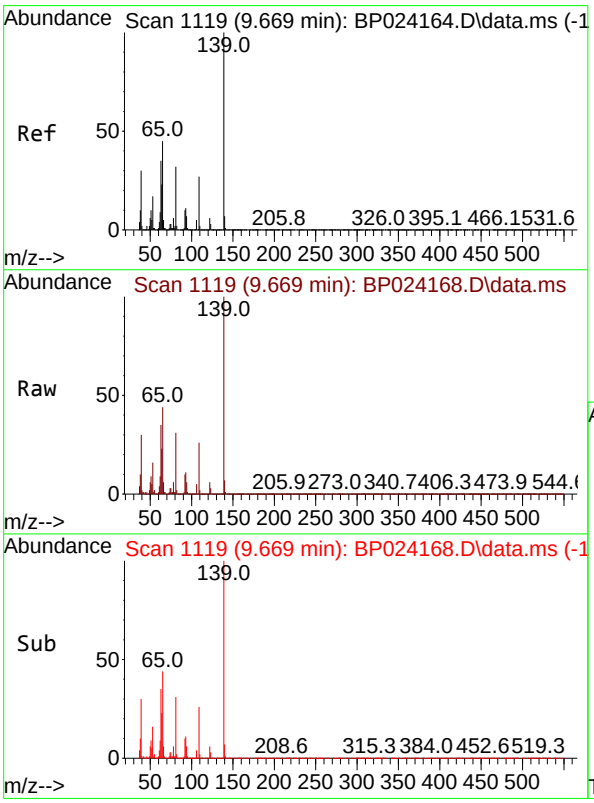
#25
Isophorone
Concen: 39.677 ng
RT: 9.487 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion: 82 Resp: 1967247

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.3	7.9
138	18.8	14.8	22.2

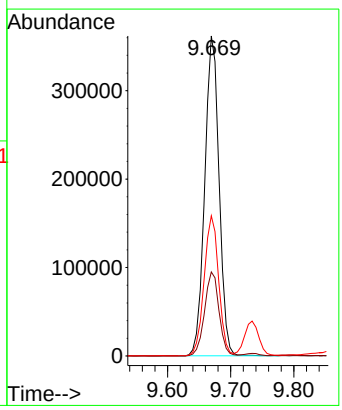


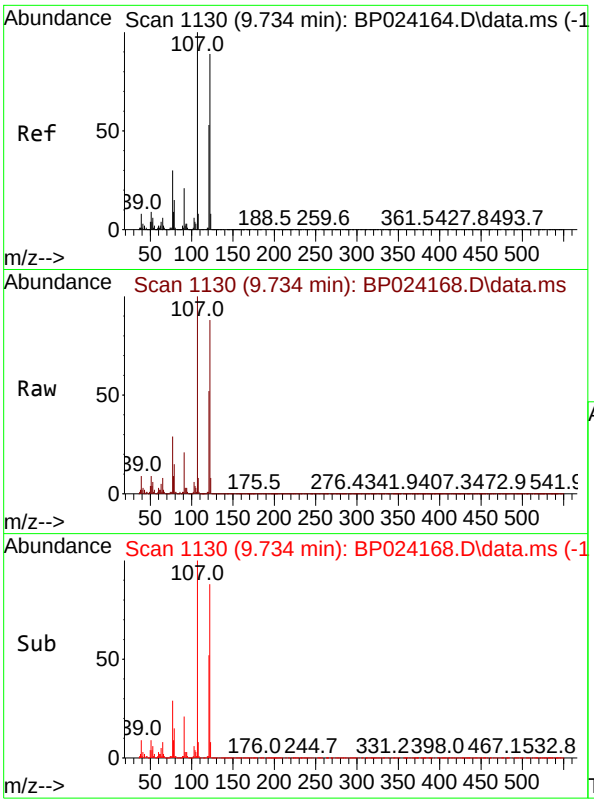


#26
2-Nitrophenol
Concen: 41.892 ng
RT: 9.669 min Scan# 1119
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:139 Resp: 570971

Ion	Ratio	Lower	Upper
139	100		
109	26.2	21.7	32.5
65	43.8	35.8	53.8



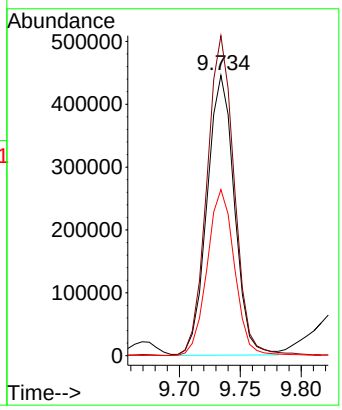


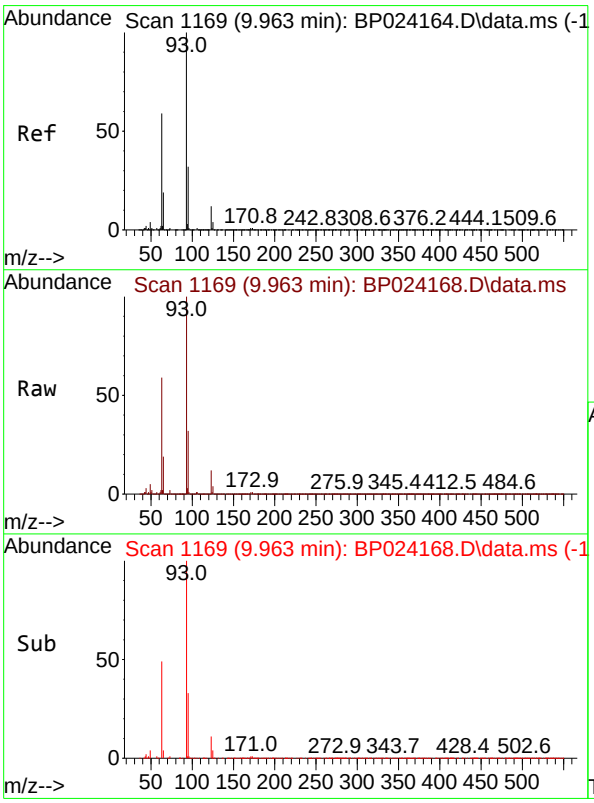
#27
2,4-Dimethylphenol
Concen: 39.779 ng
RT: 9.734 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion:122 Resp: 697163

Ion	Ratio	Lower	Upper
122	100		
107	114.1	89.3	133.9
121	59.2	47.5	71.3

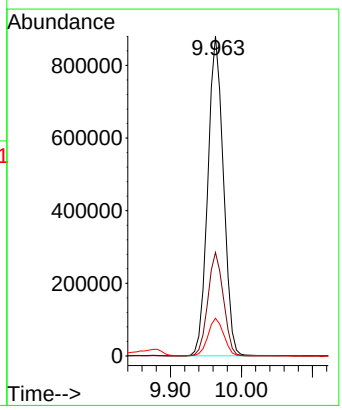


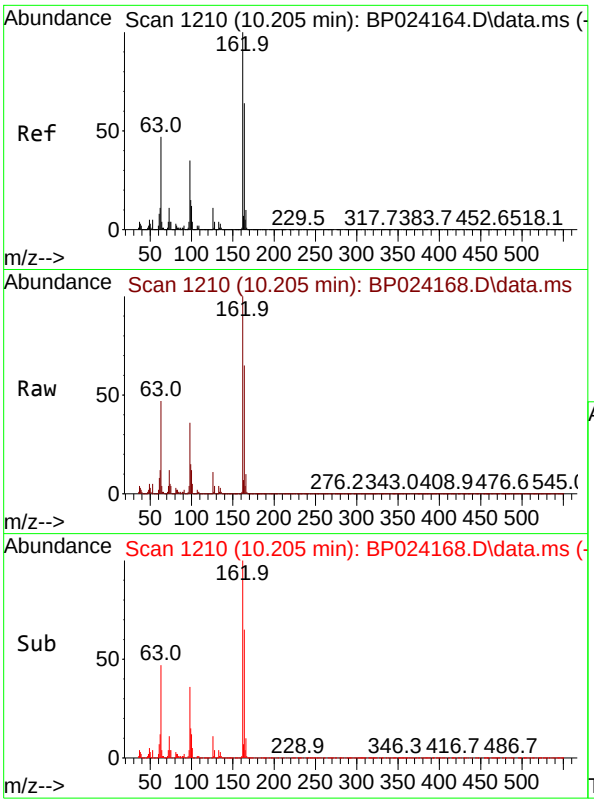


#28
bis(2-Chloroethoxy)methane
Concen: 38.608 ng
RT: 9.963 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion: 93 Resp: 1346656

Ion	Ratio	Lower	Upper
93	100		
95	32.4	25.9	38.9
123	11.8	9.5	14.3



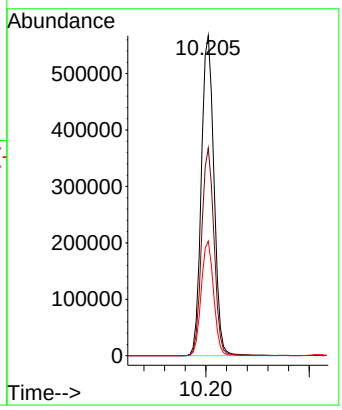


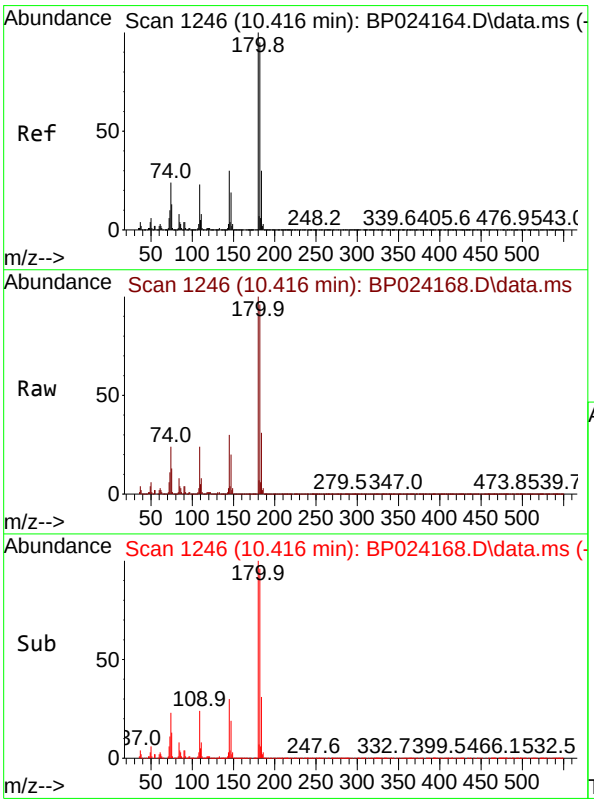
#29
2,4-Dichlorophenol
Concen: 40.558 ng
RT: 10.205 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion:162 Resp: 961583

Ion	Ratio	Lower	Upper
162	100		
164	64.9	44.2	84.2
98	35.8	15.1	55.1

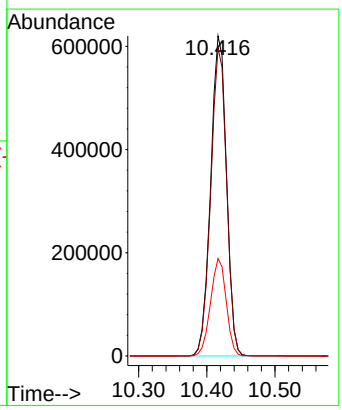


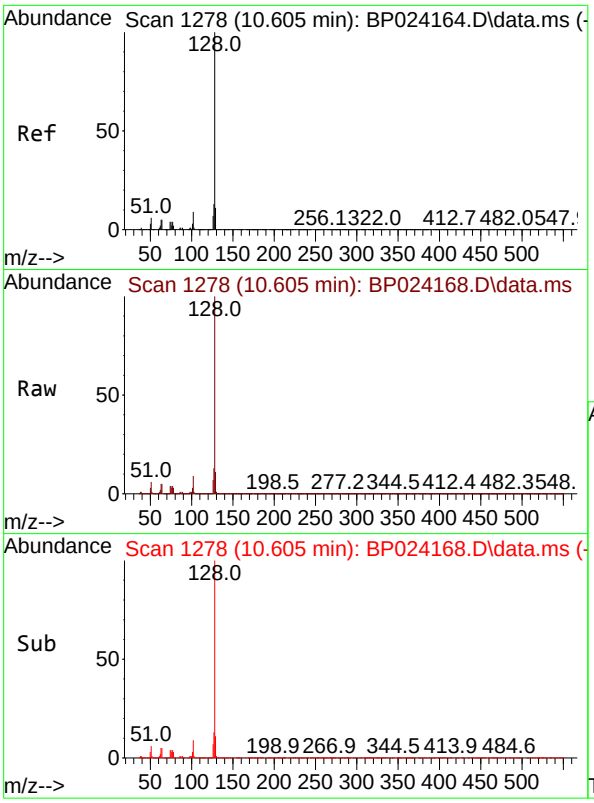


#30
1,2,4-Trichlorobenzene
Concen: 38.264 ng
RT: 10.416 min Scan# 1246
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:180 Resp: 1002302

Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.1	114.1
145	30.5	24.2	36.2



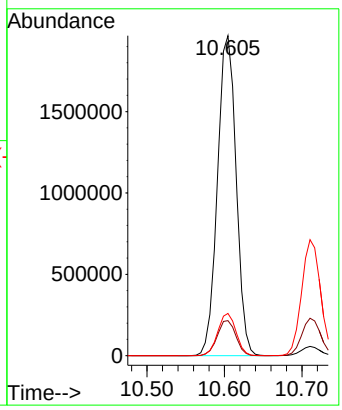


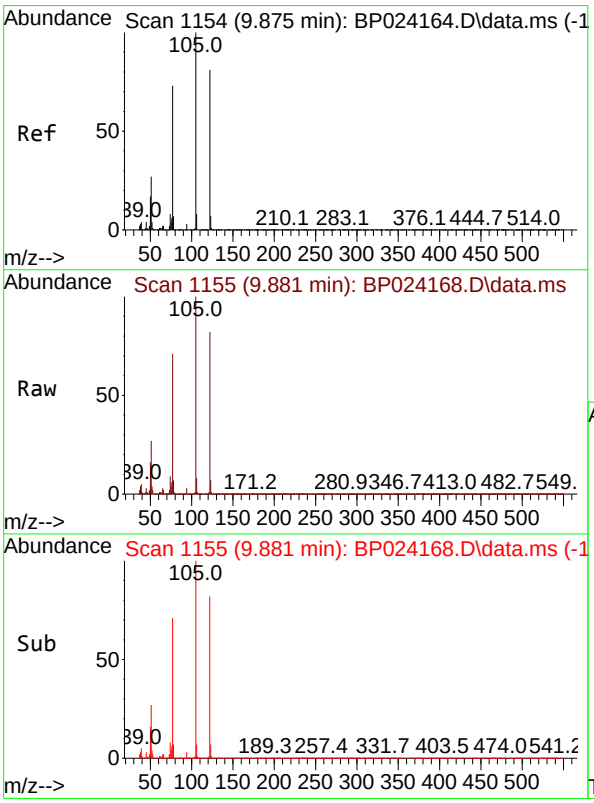
#31
Naphthalene
Concen: 38.223 ng
RT: 10.605 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion:128 Resp: 3306535

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.2	10.4	15.6

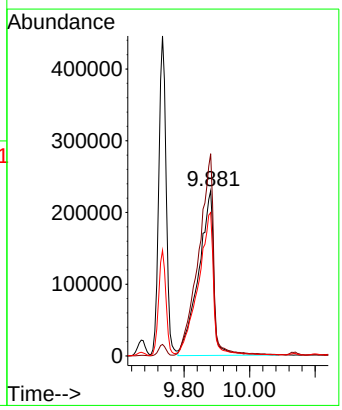


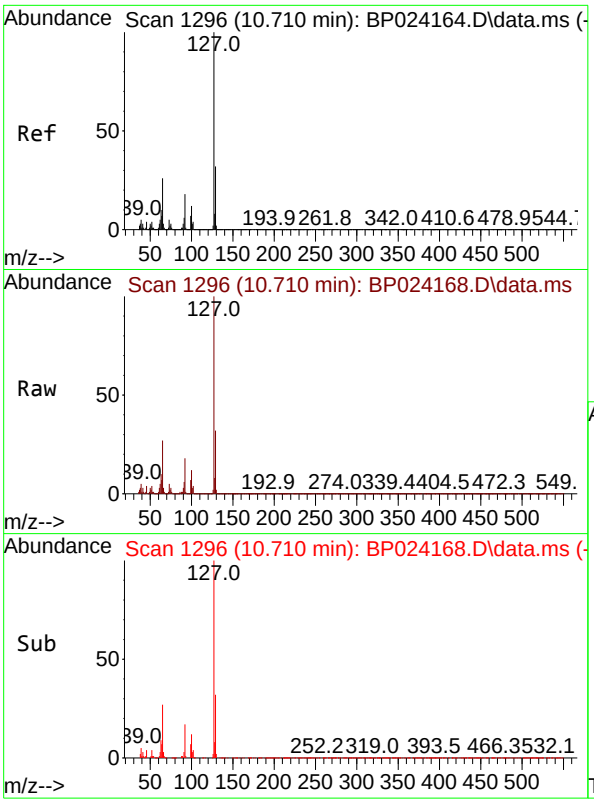


#32
Benzoic acid
Concen: 43.618 ng
RT: 9.881 min Scan# 1155
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:122 Resp: 745543

Ion	Ratio	Lower	Upper
122	100		
105	122.4	100.3	140.3
77	86.8	69.1	109.1



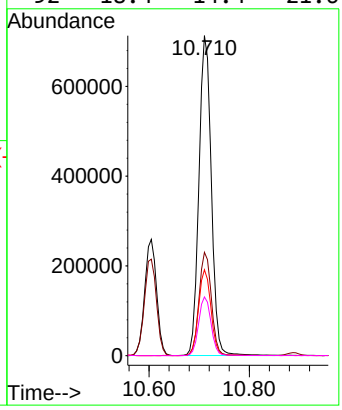


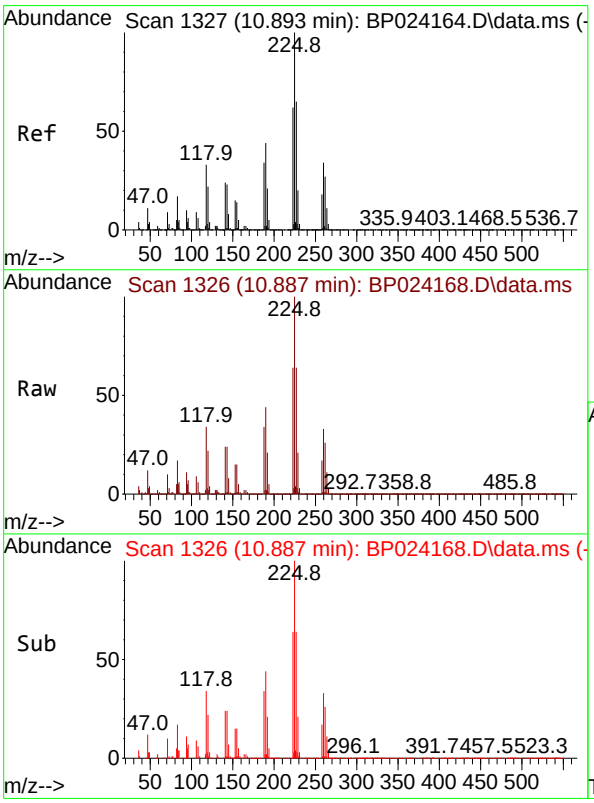
#33
4-Chloroaniline
Concen: 39.499 ng
RT: 10.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion:127 Resp: 1222820

Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.8	38.6
65	26.9	21.2	31.8
92	18.4	14.4	21.6

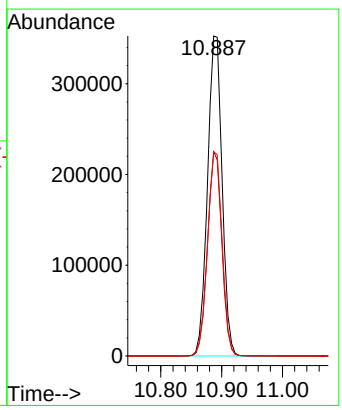


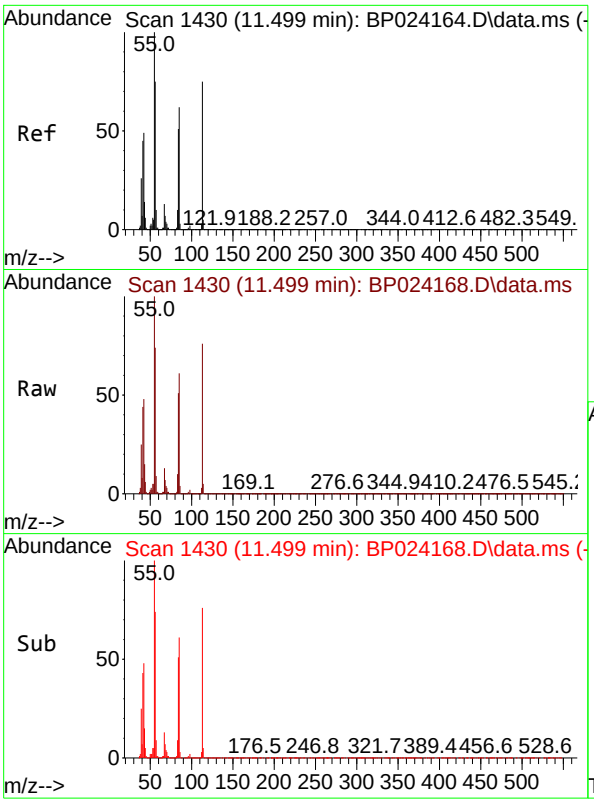


#34
Hexachlorobutadiene
Concen: 38.854 ng
RT: 10.887 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:225 Resp: 585728

Ion	Ratio	Lower	Upper
225	100		
223	63.8	49.9	74.9
227	63.8	52.2	78.2



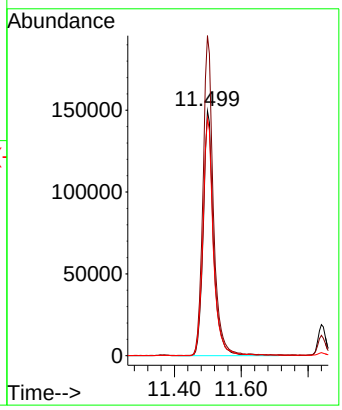


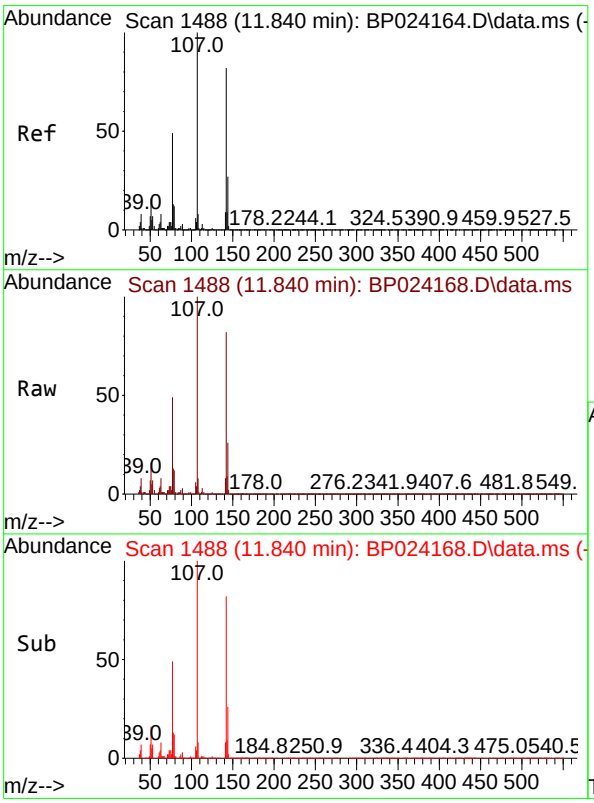
#35
Caprolactam
Concen: 40.859 ng
RT: 11.499 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion:113 Resp: 317484

Ion	Ratio	Lower	Upper
113	100		
55	130.8	113.6	153.6
56	97.1	80.0	120.0

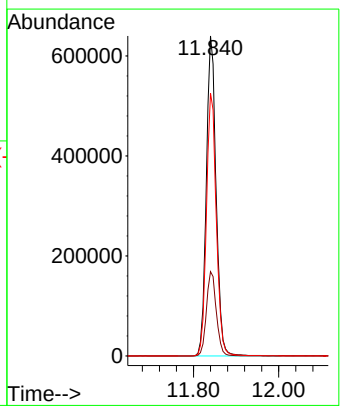


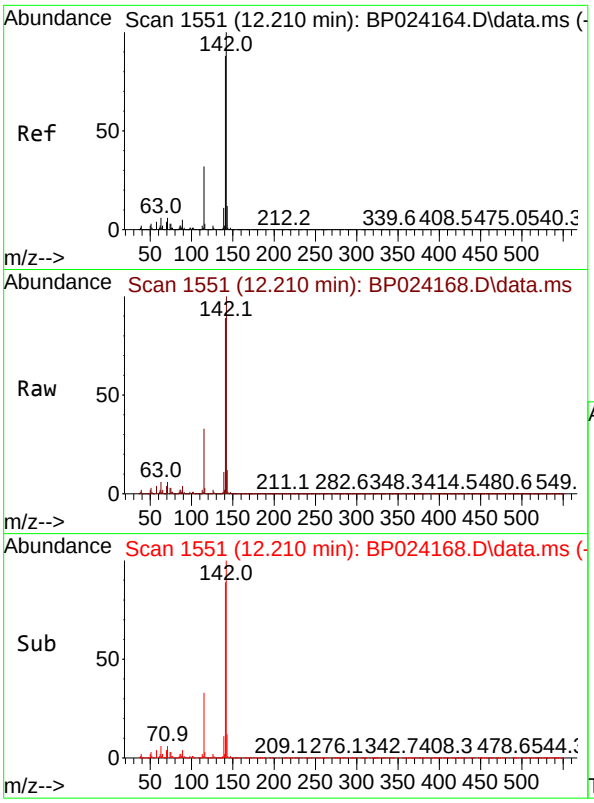


#36
4-Chloro-3-methylphenol
Concen: 39.702 ng
RT: 11.840 min Scan# 1488
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:107 Resp: 1015423

Ion	Ratio	Lower	Upper
107	100		
144	26.4	21.6	32.4
142	82.2	65.4	98.0



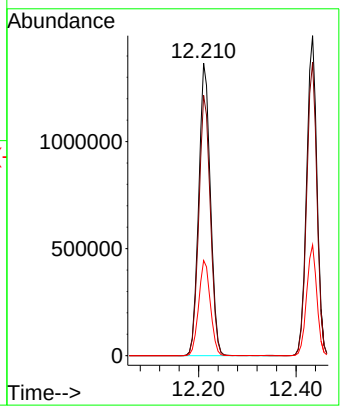


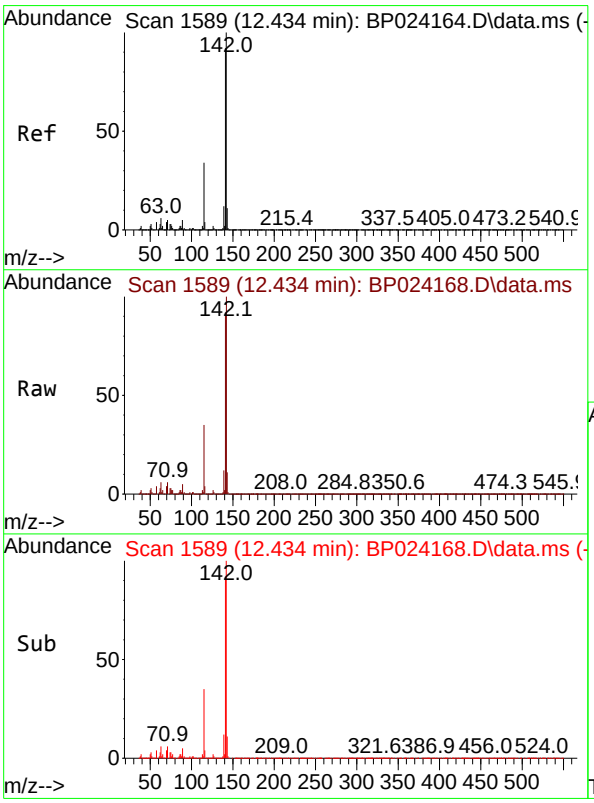
#37
2-Methylnaphthalene
Concen: 38.762 ng
RT: 12.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion:142 Resp: 2265320

Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.3	105.5
115	32.5	26.0	39.0

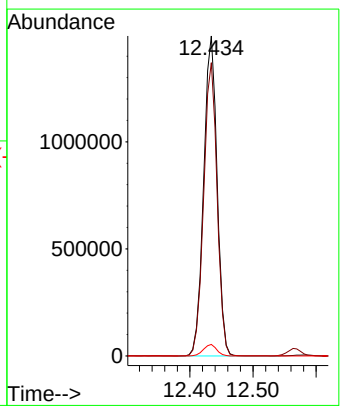


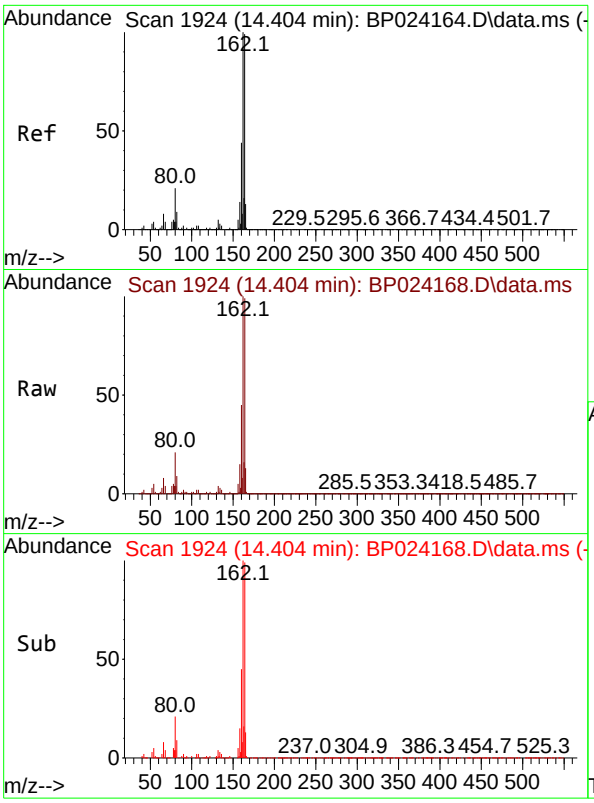


#38
1-Methylnaphthalene
Concen: 38.874 ng
RT: 12.434 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:142 Resp: 2209719

Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.9	110.9
116	3.6	2.8	4.2



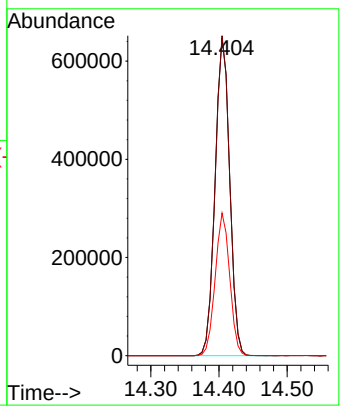


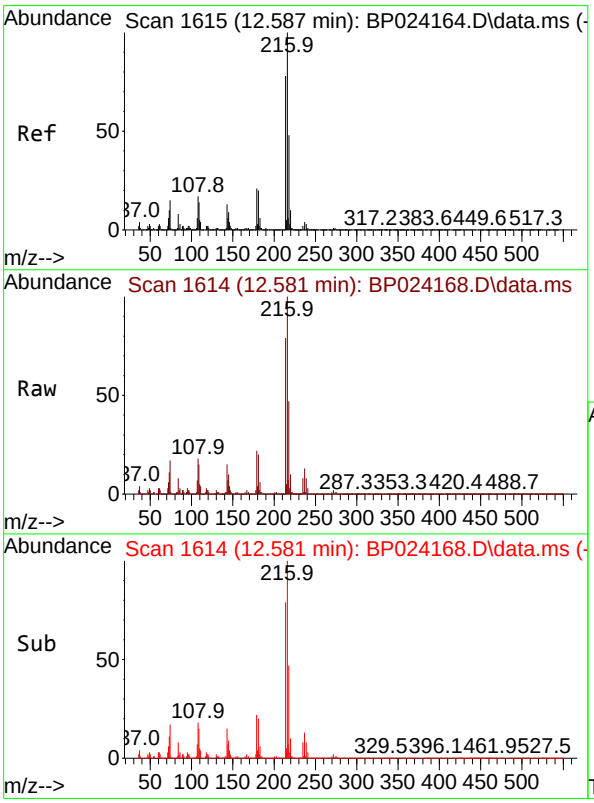
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.404 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion:164 Resp: 966525

Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.6	121.0
160	44.9	35.4	53.2

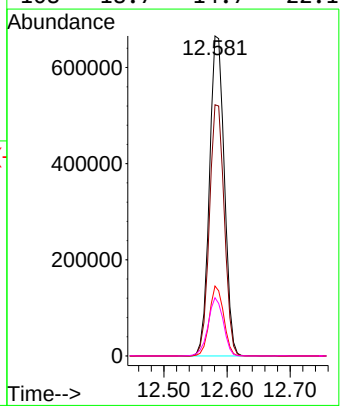


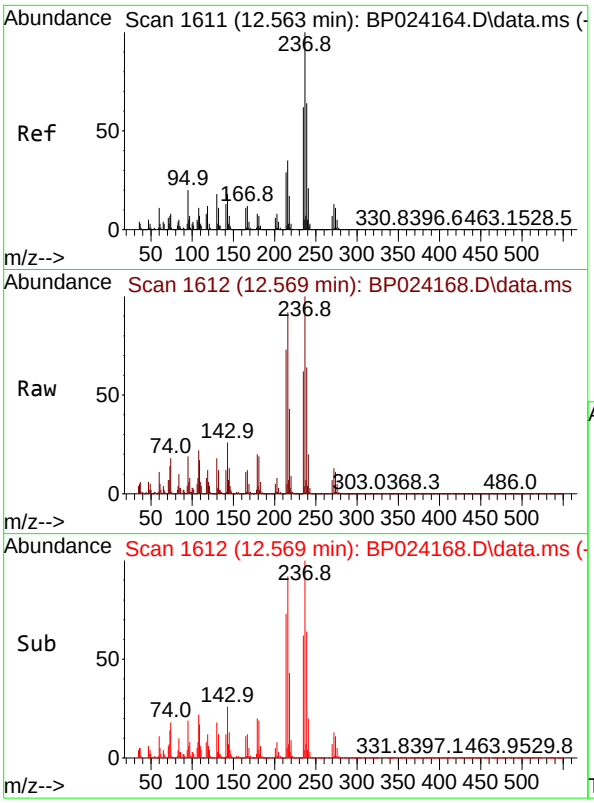


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.988 ng
RT: 12.581 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:216 Resp: 1089303

Ion	Ratio	Lower	Upper
216	100		
214	78.3	62.8	94.2
179	21.0	16.8	25.2
108	18.7	14.7	22.1



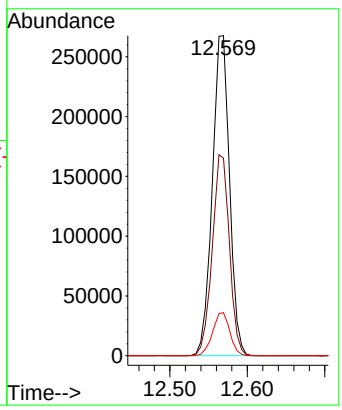


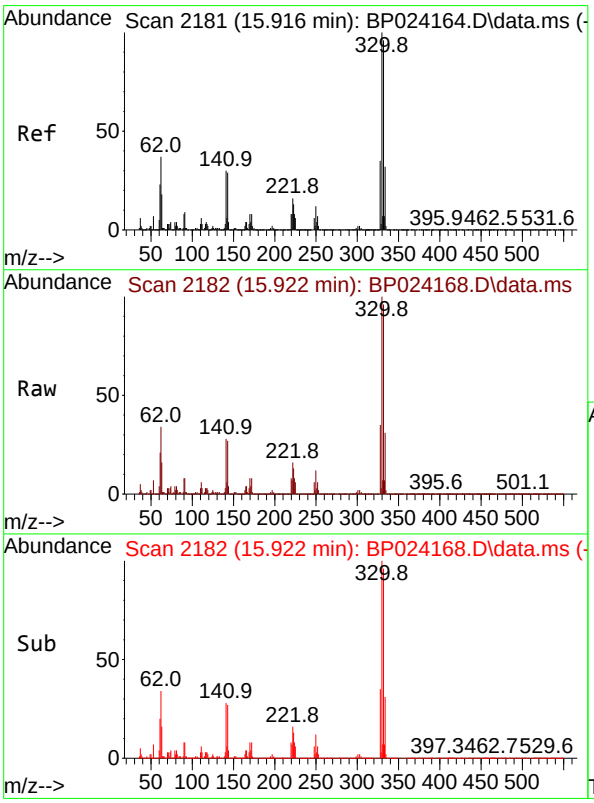
#41
Hexachlorocyclopentadiene
Concen: 41.026 ng
RT: 12.569 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion:237 Resp: 413181

Ion	Ratio	Lower	Upper
237	100		
235	61.8	41.8	81.8
272	13.4	0.0	33.5

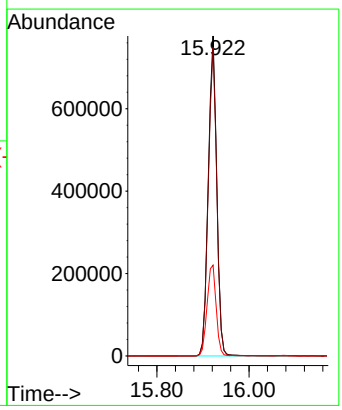


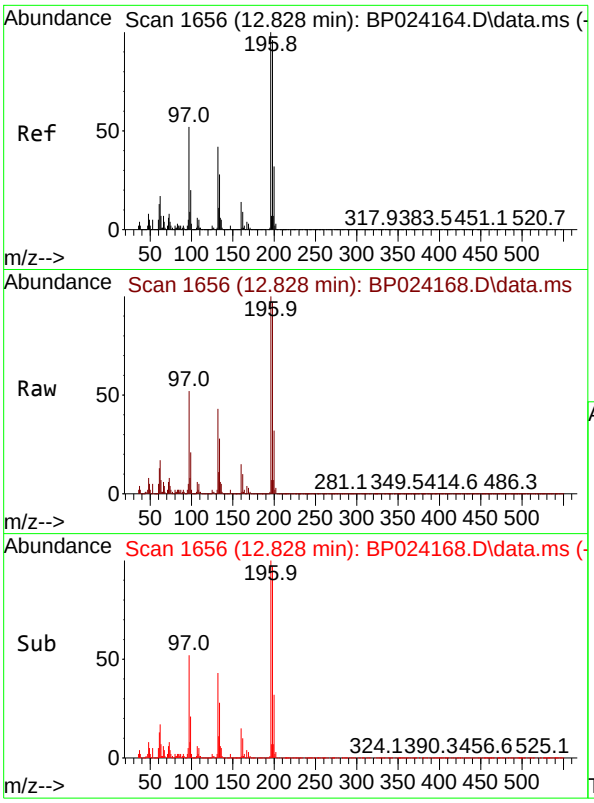


#42
2,4,6-Tribromophenol
Concen: 81.766 ng
RT: 15.922 min Scan# 2182
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:330 Resp: 995466

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.6	116.4
141	30.6	25.0	37.6



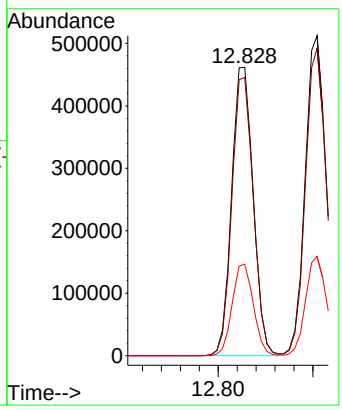


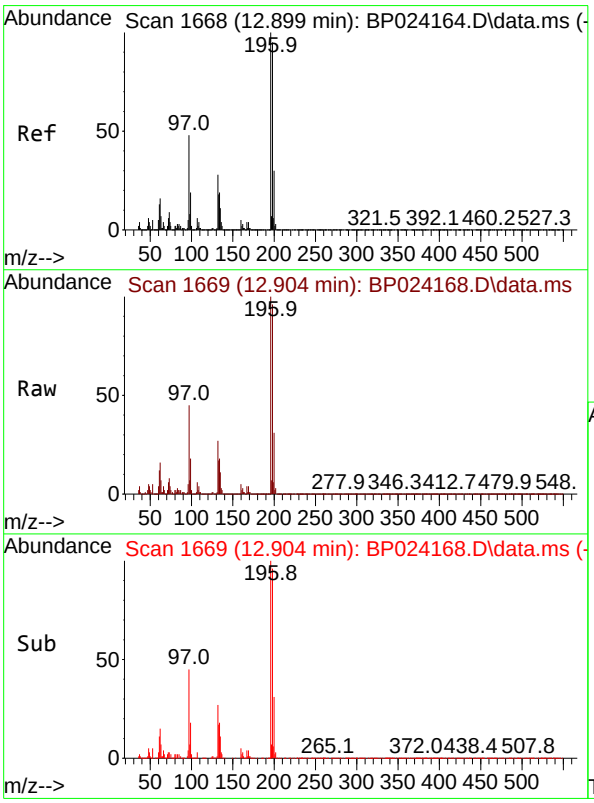
#43
2,4,6-Trichlorophenol
Concen: 40.950 ng
RT: 12.828 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion:196 Resp: 727105

Ion	Ratio	Lower	Upper
196	100		
198	96.5	76.6	115.0
200	31.7	25.4	38.0

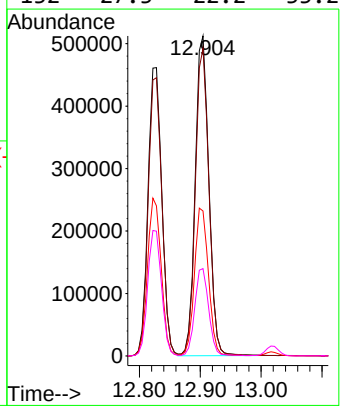


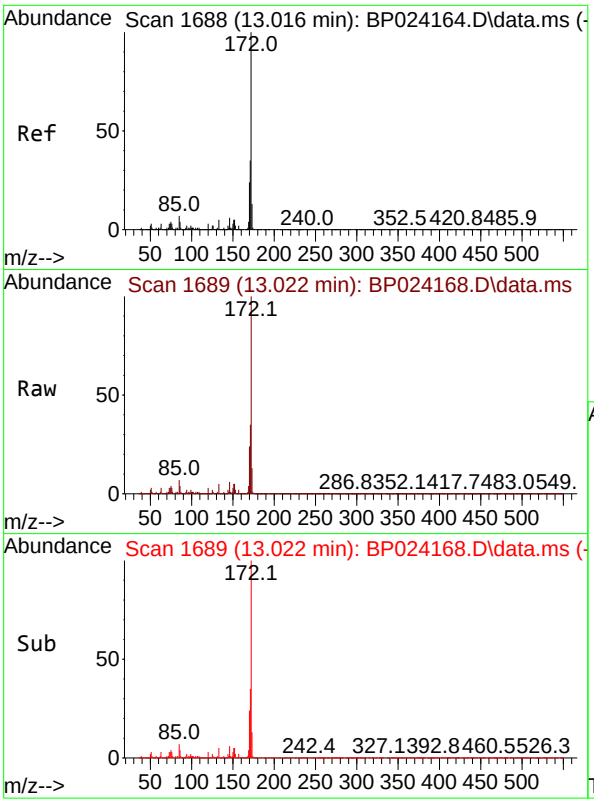


#44
2,4,5-Trichlorophenol
Concen: 40.985 ng
RT: 12.904 min Scan# 1669
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:196 Resp: 798076

Ion	Ratio	Lower	Upper
196	100		
198	96.1	76.5	114.7
97	45.3	38.7	58.1
132	27.3	22.2	33.2



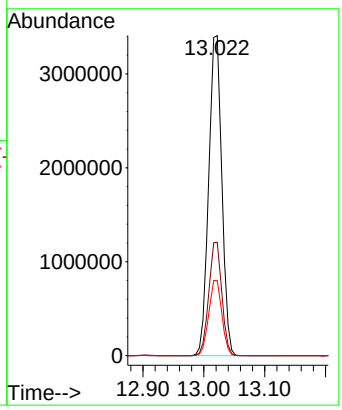


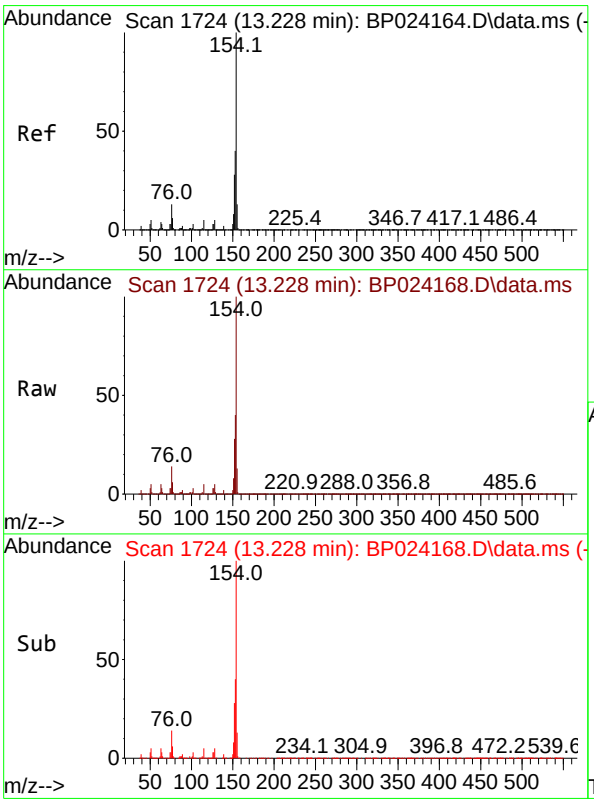
#45
2-Fluorobiphenyl
Concen: 77.885 ng
RT: 13.022 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion:172 Resp: 5105223

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.3	42.5
170	23.6	19.0	28.4

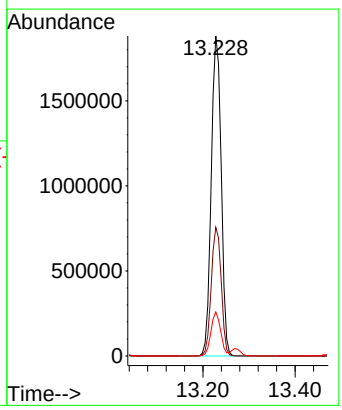


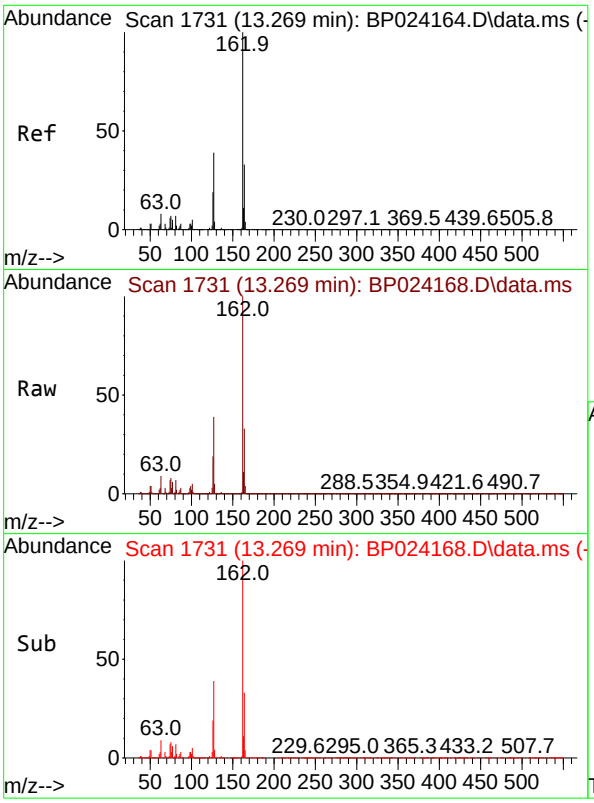


#46
1,1'-Biphenyl
Concen: 38.846 ng
RT: 13.228 min Scan# 1724
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:154 Resp: 2821370

Ion	Ratio	Lower	Upper
154	100		
153	40.2	20.3	60.3
76	13.7	0.0	32.9



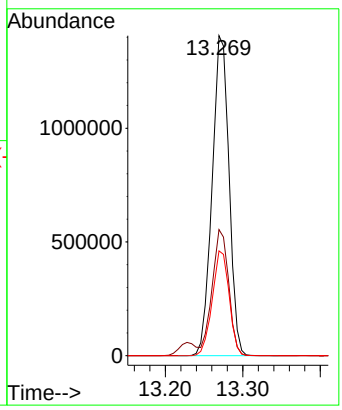


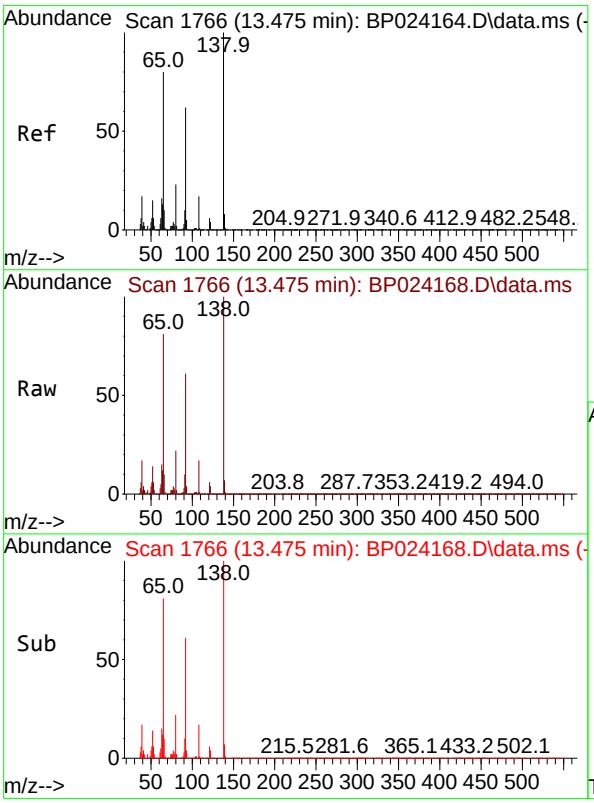
#47
2-Chloronaphthalene
Concen: 39.006 ng
RT: 13.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion:162 Resp: 2130879

Ion	Ratio	Lower	Upper
162	100		
127	39.4	31.5	47.3
164	32.8	26.6	39.8

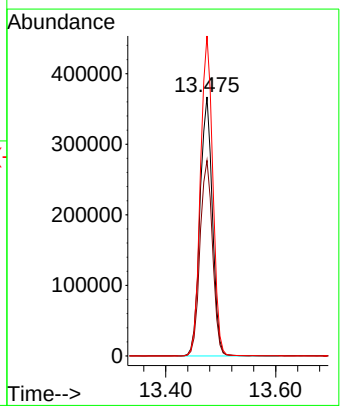


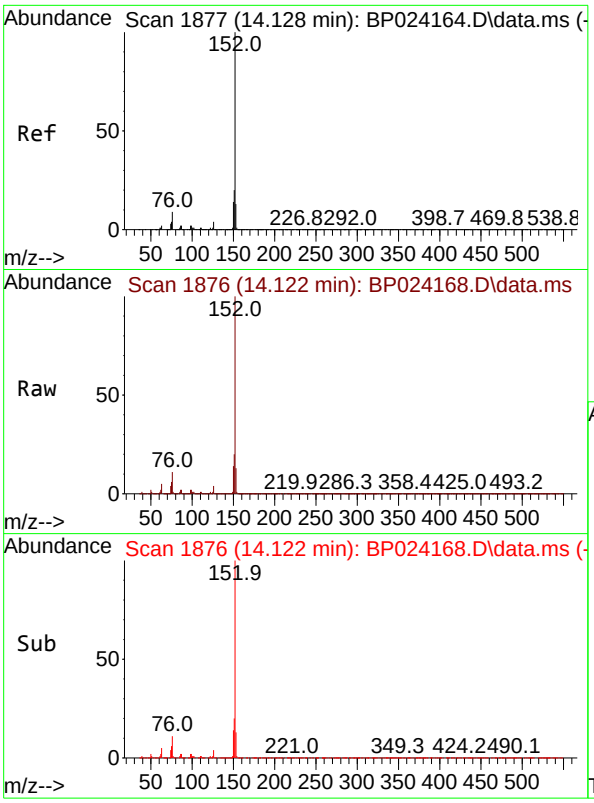


#48
2-Nitroaniline
Concen: 41.137 ng
RT: 13.475 min Scan# 1766
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion: 65 Resp: 574806

Ion	Ratio	Lower	Upper
65	100		
92	75.5	62.1	93.1
138	123.5	99.5	149.3



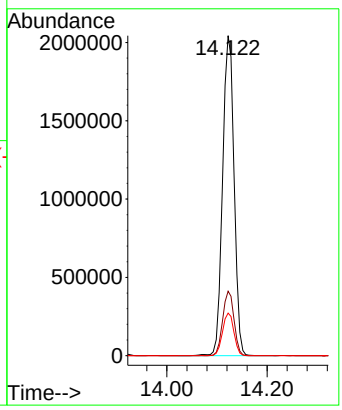


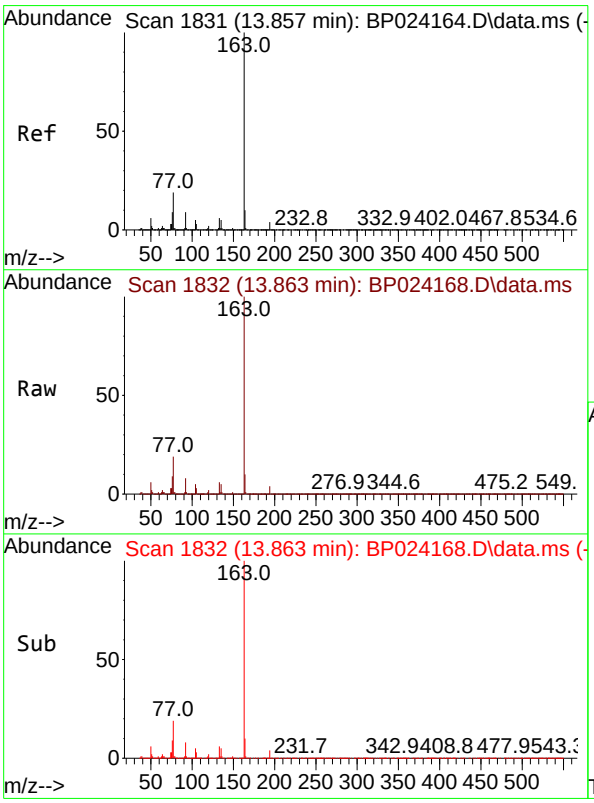
#49
Acenaphthylene
Concen: 39.262 ng
RT: 14.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion:152 Resp: 3245488

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.0	24.0
153	13.3	10.6	15.8

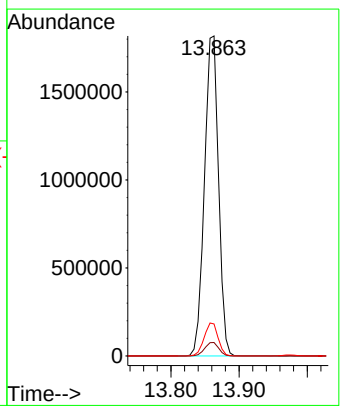


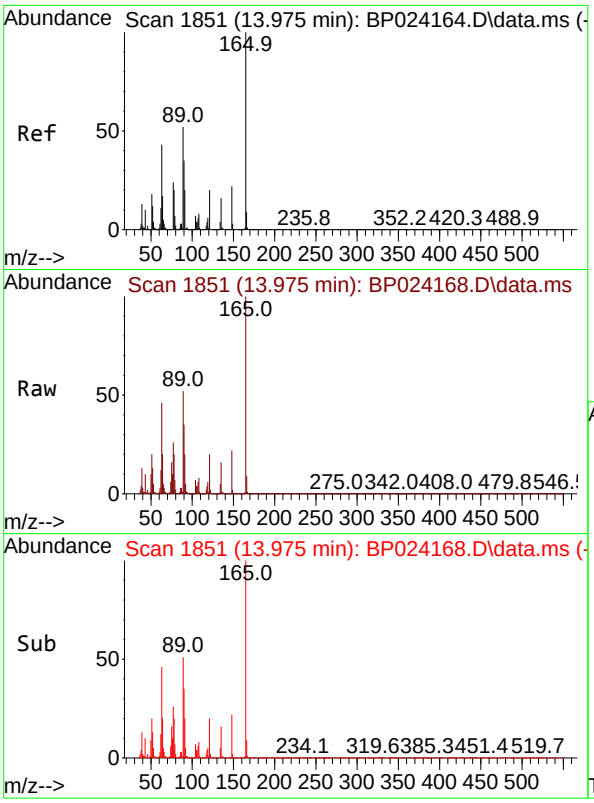


#50
Dimethylphthalate
Concen: 38.548 ng
RT: 13.863 min Scan# 1832
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:163 Resp: 2606961

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.0	8.2	12.4



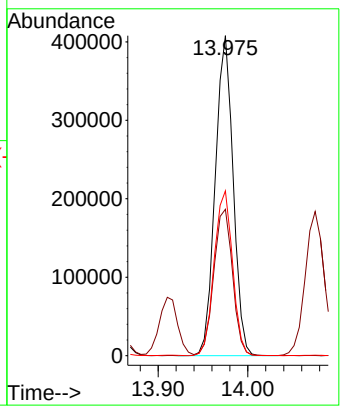


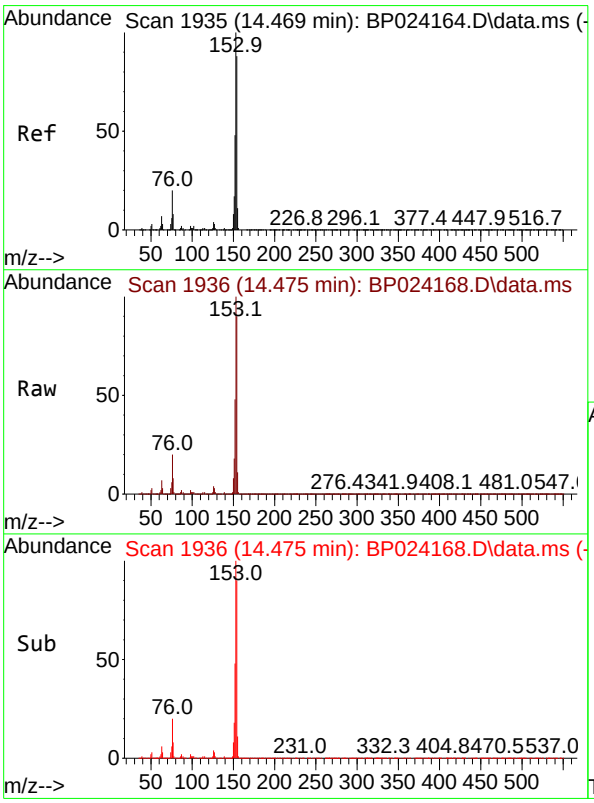
#51
2,6-Dinitrotoluene
Concen: 39.611 ng
RT: 13.975 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion:165 Resp: 563651

Ion	Ratio	Lower	Upper
165	100		
63	45.8	37.7	56.5
89	51.5	41.9	62.9

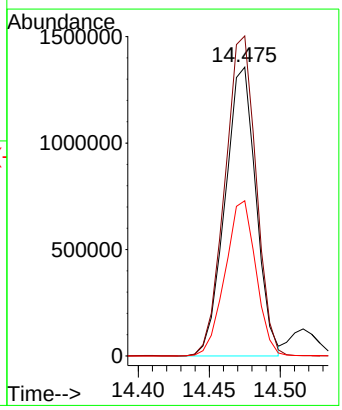


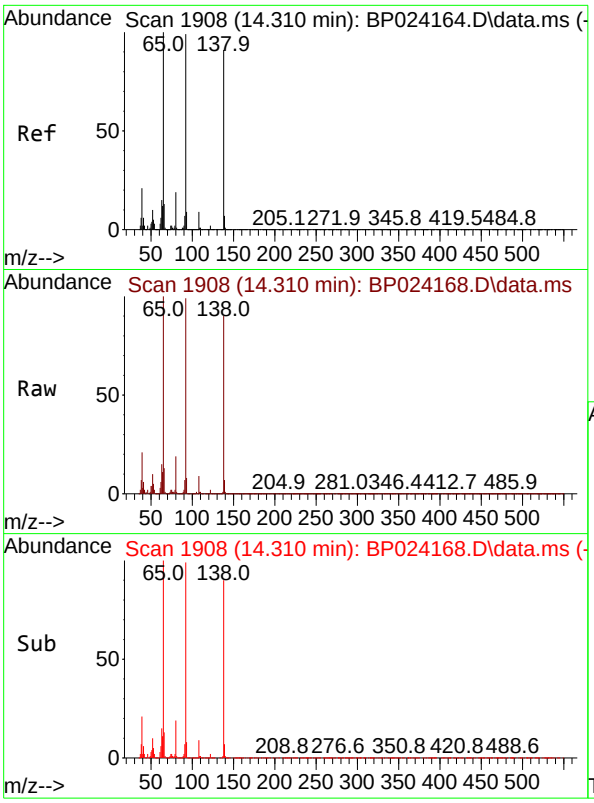


#52
Acenaphthene
Concen: 38.881 ng
RT: 14.475 min Scan# 1936
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:154 Resp: 2053476

Ion	Ratio	Lower	Upper
154	100		
153	110.8	90.5	135.7
152	53.7	43.1	64.7



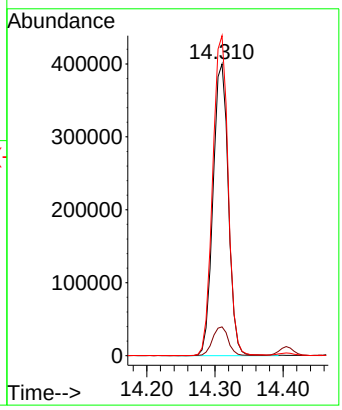


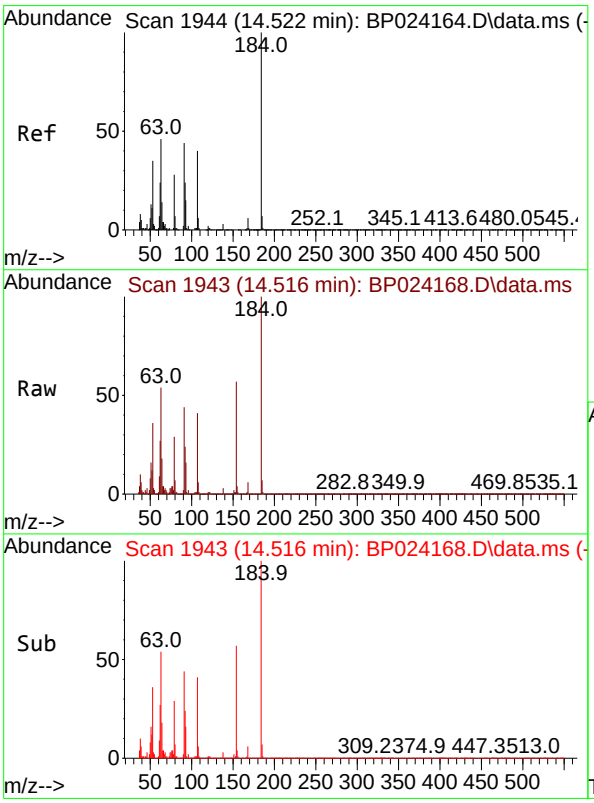
#53
3-Nitroaniline
Concen: 40.719 ng
RT: 14.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion:138 Resp: 625803

Ion	Ratio	Lower	Upper
138	100		
108	9.9	8.2	12.2
92	109.7	86.7	130.1

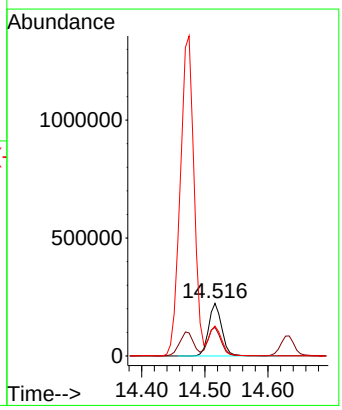


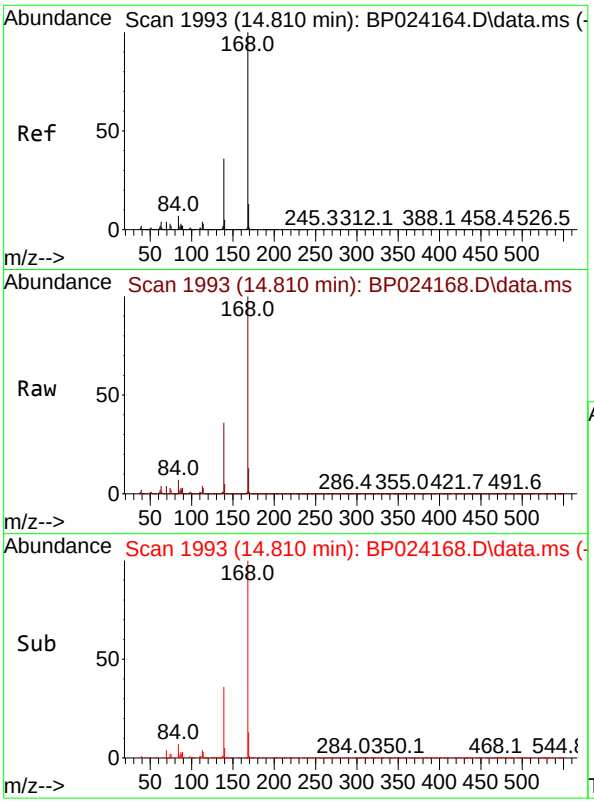


#54
2,4-Dinitrophenol
Concen: 42.791 ng
RT: 14.516 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:184 Resp: 322185

Ion	Ratio	Lower	Upper
184	100		
63	54.2	42.1	63.1
154	56.8	44.6	67.0



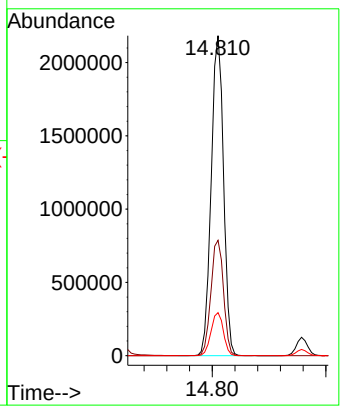


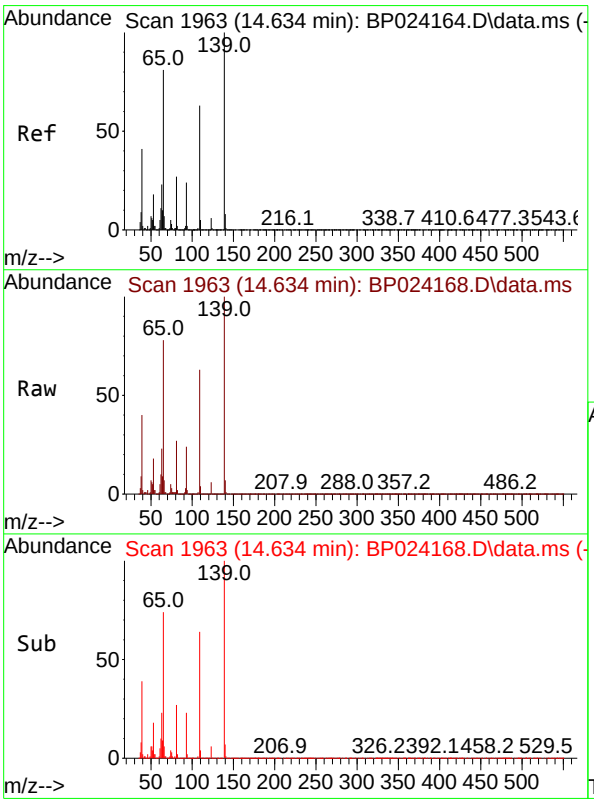
#55
Dibenzofuran
Concen: 38.264 ng
RT: 14.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion:168 Resp: 3273448

Ion	Ratio	Lower	Upper
168	100		
139	36.1	29.1	43.7
169	13.4	10.8	16.2

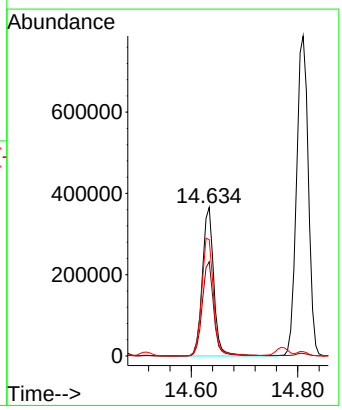


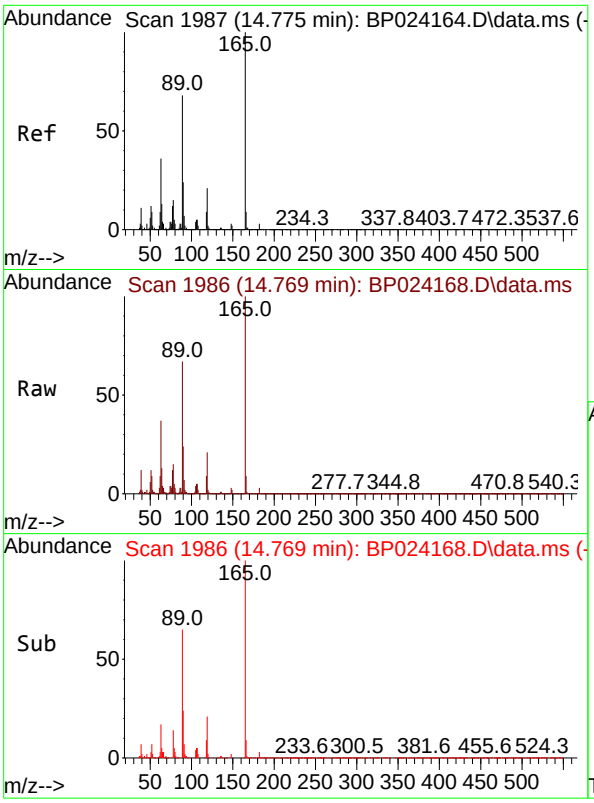


#56
4-Nitrophenol
Concen: 42.293 ng
RT: 14.634 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:139 Resp: 543119

Ion	Ratio	Lower	Upper
139	100		
109	63.4	43.3	83.3
65	78.3	61.2	101.2



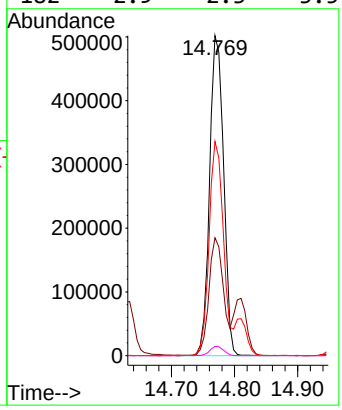


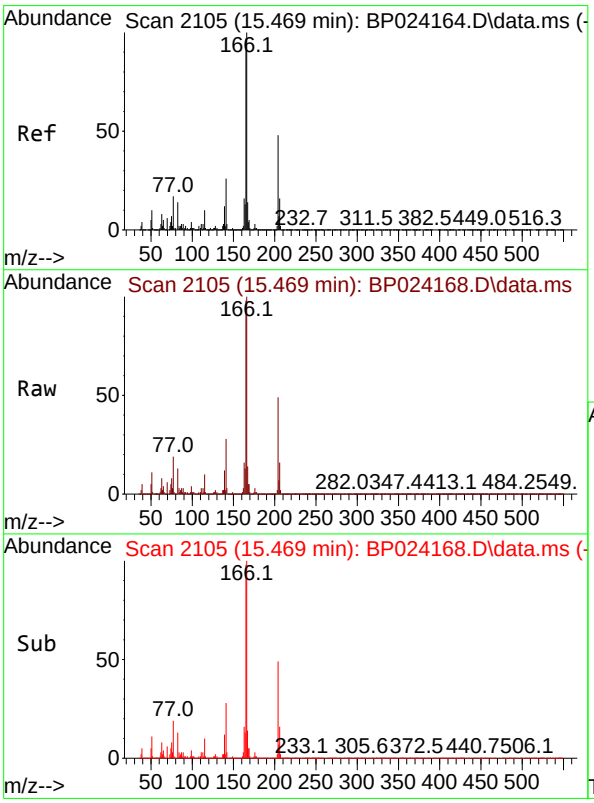
#57
2,4-Dinitrotoluene
Concen: 41.106 ng
RT: 14.769 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion:165 Resp: 772629

Ion	Ratio	Lower	Upper
165	100		
63	36.9	29.0	43.6
89	66.9	54.2	81.4
182	2.9	2.3	3.5

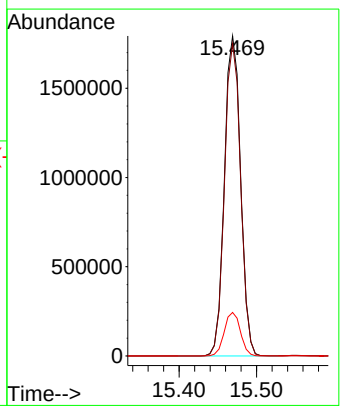


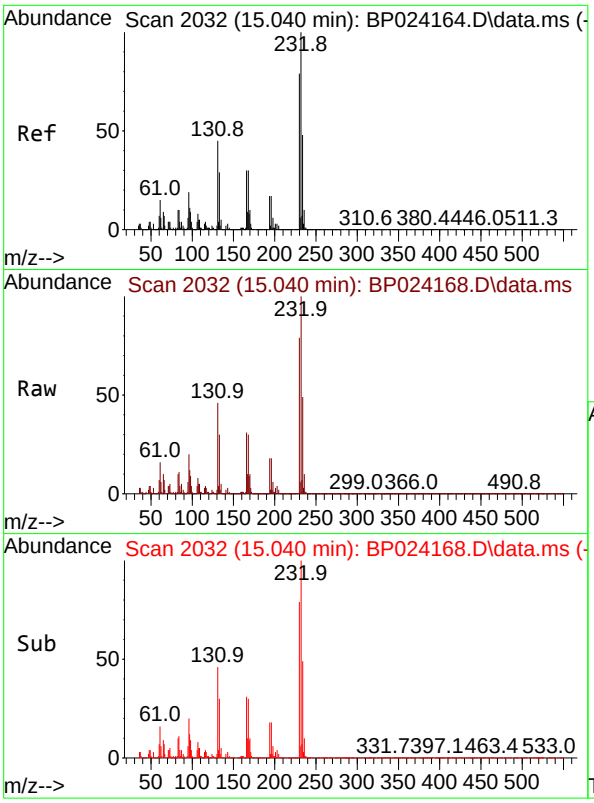


#58
Fluorene
Concen: 39.061 ng
RT: 15.469 min Scan# 2105
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:166 Resp: 2603595

Ion	Ratio	Lower	Upper
166	100		
165	97.5	77.6	116.4
167	13.6	10.8	16.2



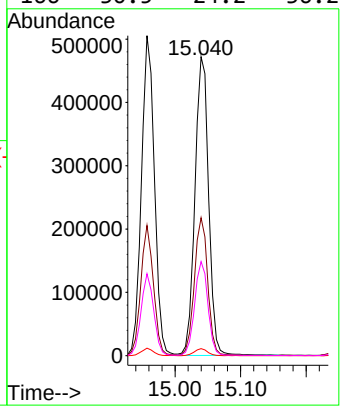


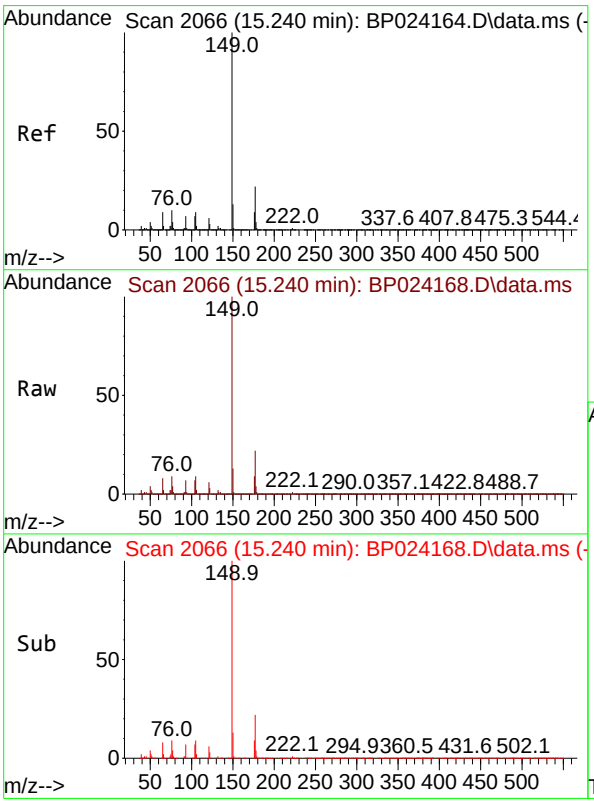
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.844 ng
RT: 15.040 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion:232 Resp: 685479

Ion	Ratio	Lower	Upper
232	100		
131	45.1	35.9	53.9
130	2.2	1.8	2.6
166	30.5	24.2	36.2

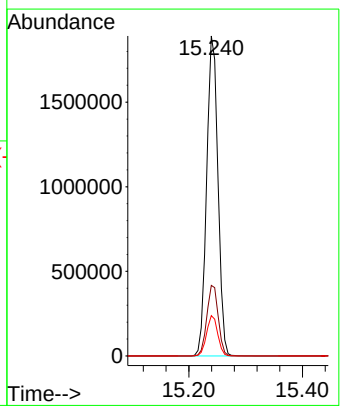


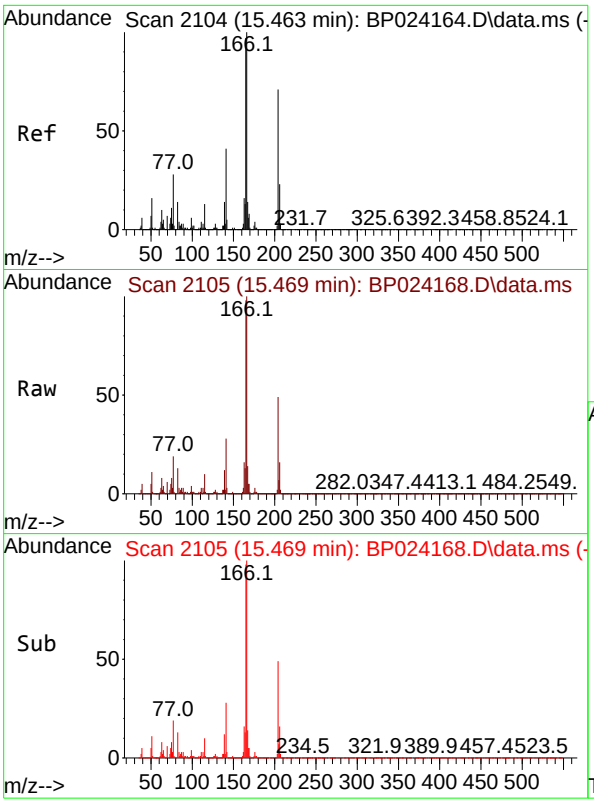


#60
Diethylphthalate
Concen: 38.539 ng
RT: 15.240 min Scan# 2066
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:149 Resp: 2595505

Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.7	26.5
150	12.6	10.2	15.4



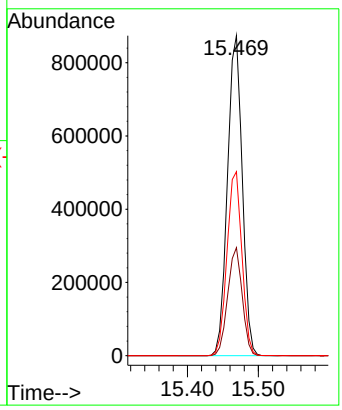


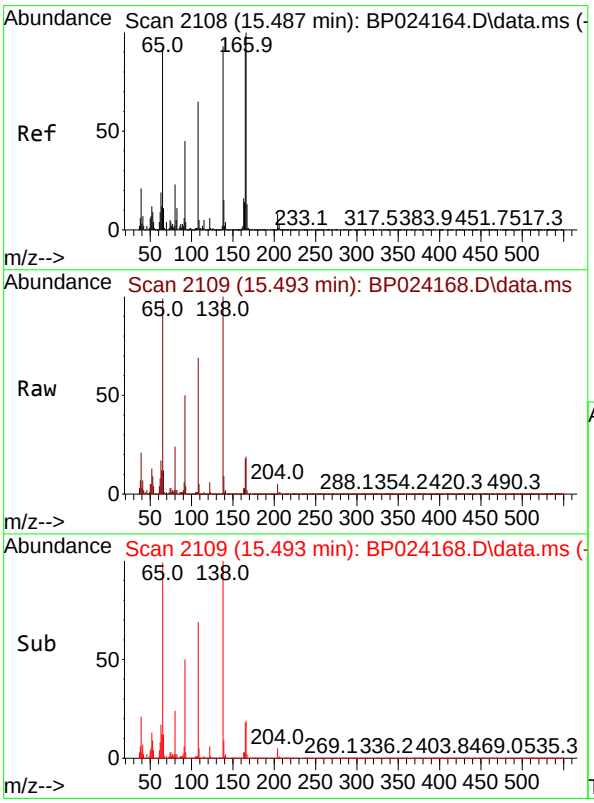
#61
4-Chlorophenyl-phenylether
Concen: 38.572 ng
RT: 15.469 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion:204 Resp: 1261005

Ion	Ratio	Lower	Upper
204	100		
206	33.7	26.4	39.6
141	57.5	45.8	68.8

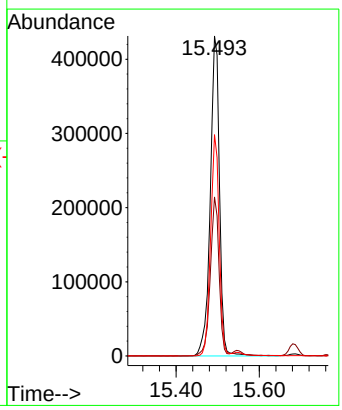


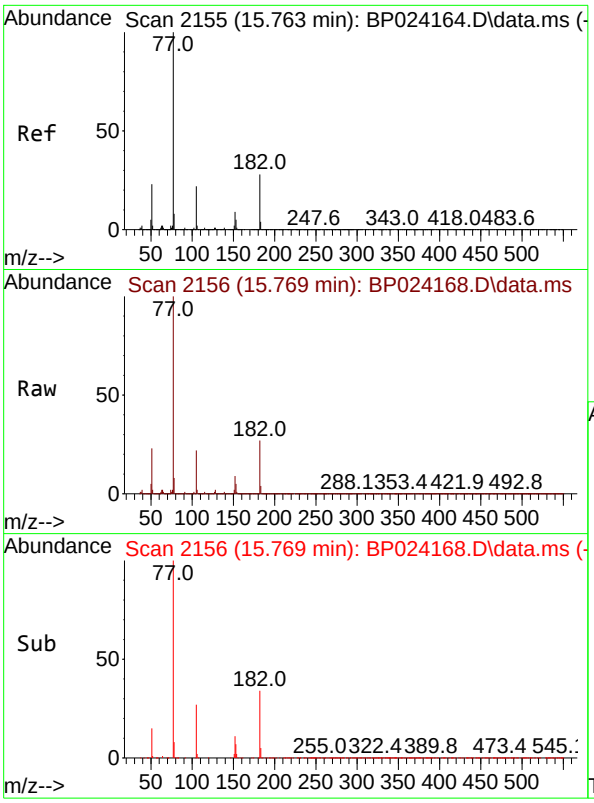


#62
4-Nitroaniline
Concen: 41.253 ng
RT: 15.493 min Scan# 2109
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:138 Resp: 664956

Ion	Ratio	Lower	Upper
138	100		
92	49.7	28.7	68.7
108	69.1	49.5	89.5



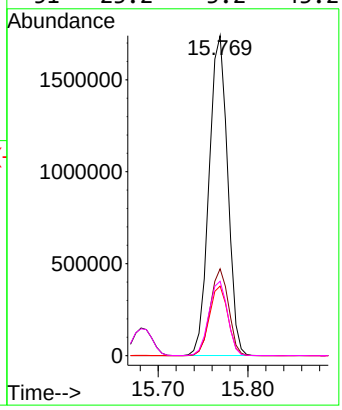


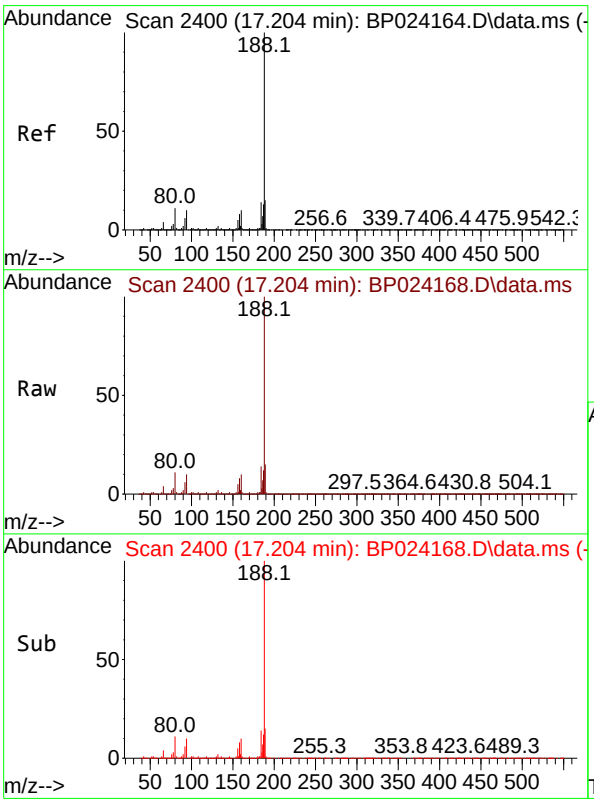
#63
Azobenzene
Concen: 39.347 ng
RT: 15.769 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion: 77 Resp: 2497600

Ion	Ratio	Lower	Upper
77	100		
182	27.1	7.7	47.7
105	21.8	2.3	42.3
51	23.2	3.2	43.2

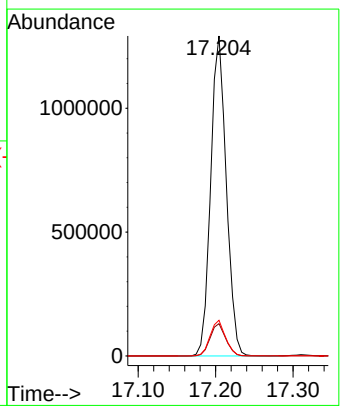


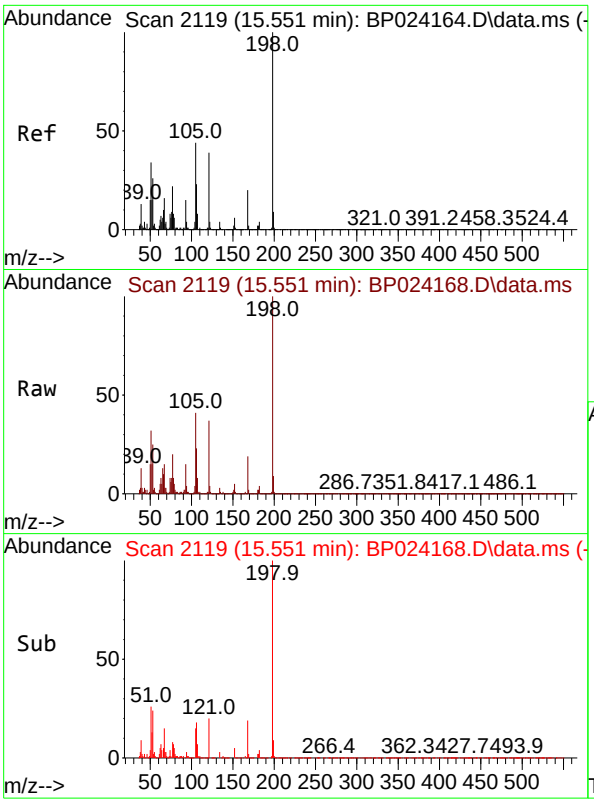


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2400
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:188 Resp: 1810172

Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.1	12.1
80	11.1	8.9	13.3



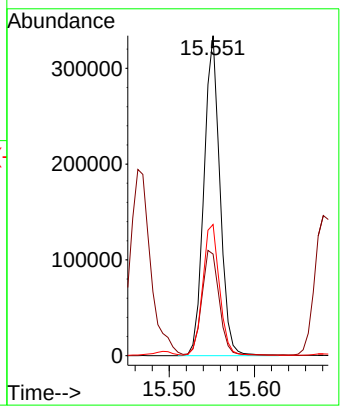


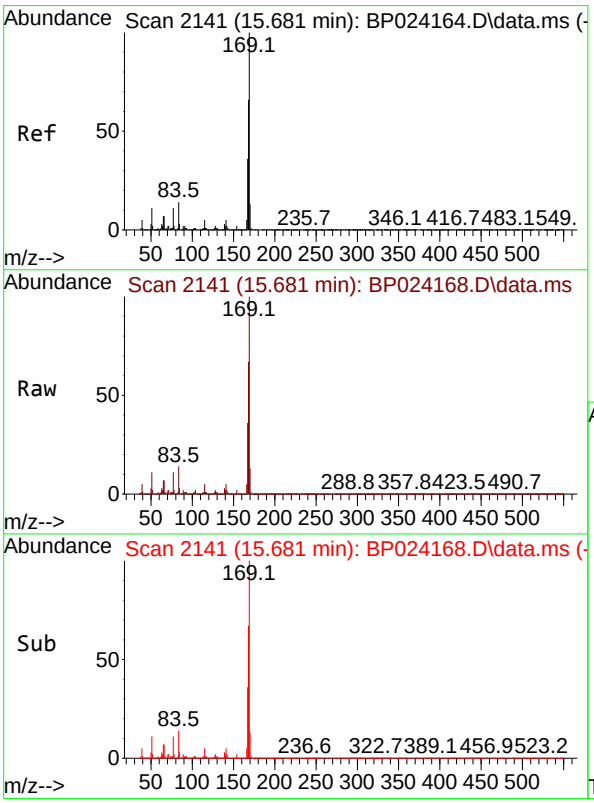
#65
4,6-Dinitro-2-methylphenol
Concen: 40.442 ng
RT: 15.551 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion:198 Resp: 434596

Ion	Ratio	Lower	Upper
198	100		
51	31.7	14.7	54.7
105	41.0	23.8	63.8

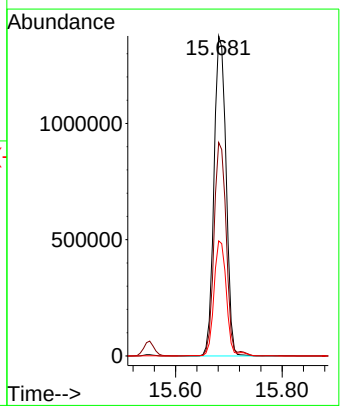


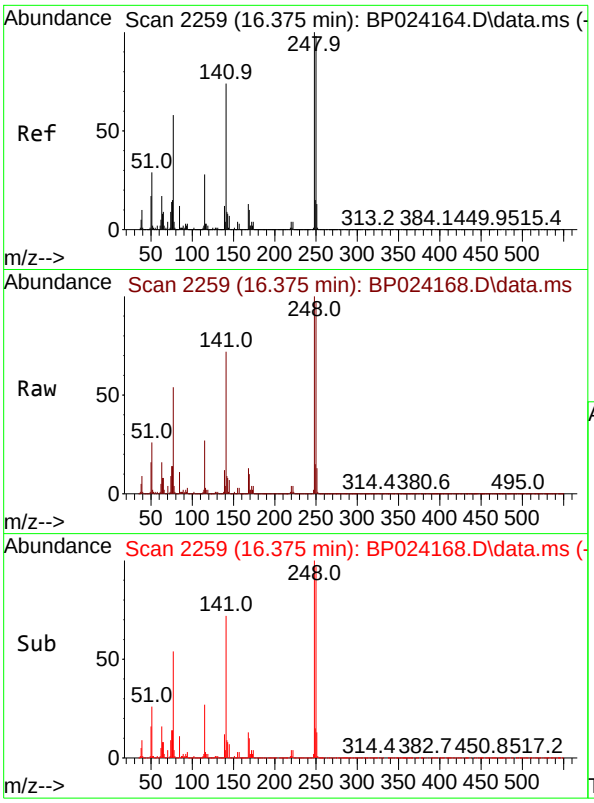


#66
n-Nitrosodiphenylamine
Concen: 39.234 ng
RT: 15.681 min Scan# 2141
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:169 Resp: 2156617

Ion	Ratio	Lower	Upper
169	100		
168	66.7	52.9	79.3
167	35.9	28.8	43.2



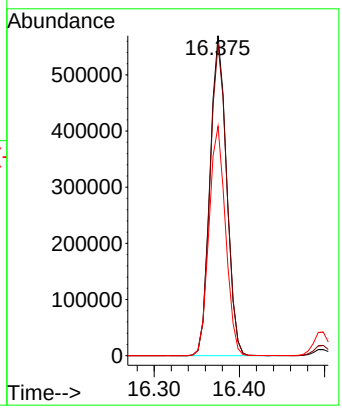


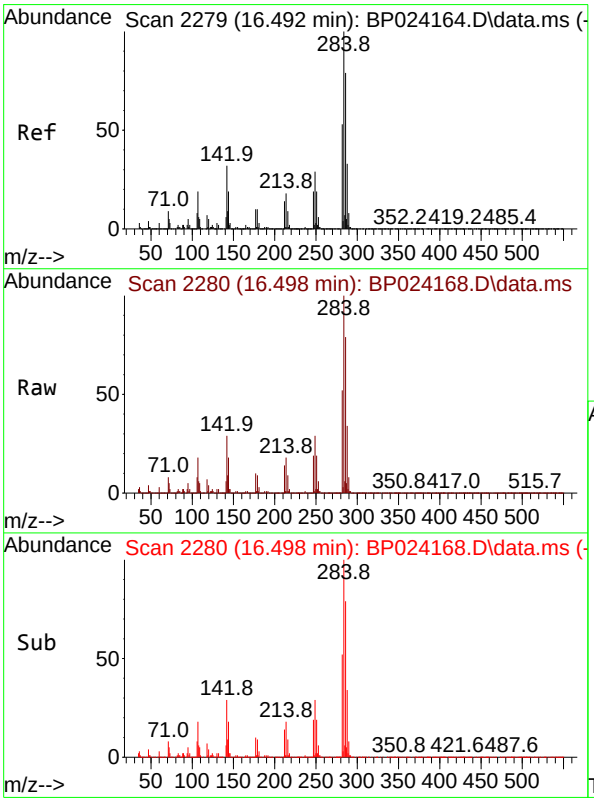
#67
4-Bromophenyl-phenylether
Concen: 38.892 ng
RT: 16.375 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion:248 Resp: 772937

Ion	Ratio	Lower	Upper
248	100		
250	97.3	78.4	117.6
141	71.7	59.4	89.0

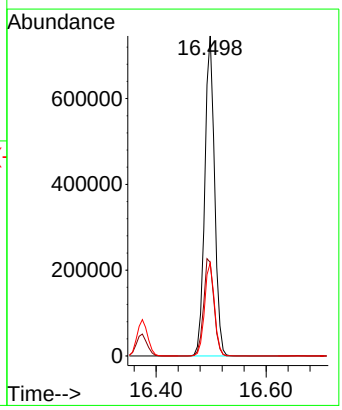


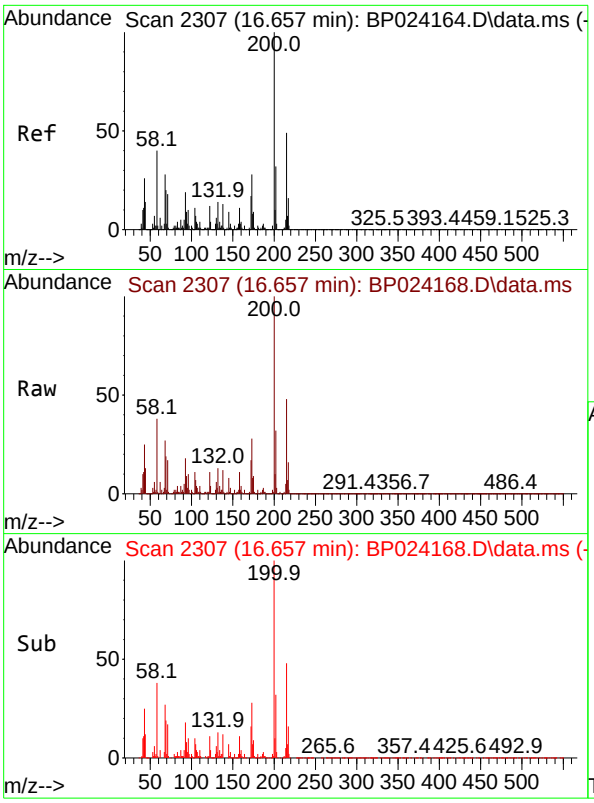


#68
Hexachlorobenzene
Concen: 39.073 ng
RT: 16.498 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:284 Resp: 919105

Ion	Ratio	Lower	Upper
284	100		
142	29.3	25.4	38.2
249	29.1	23.5	35.3



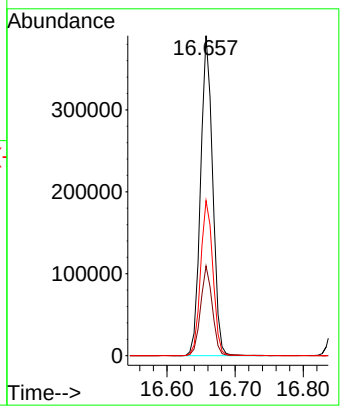


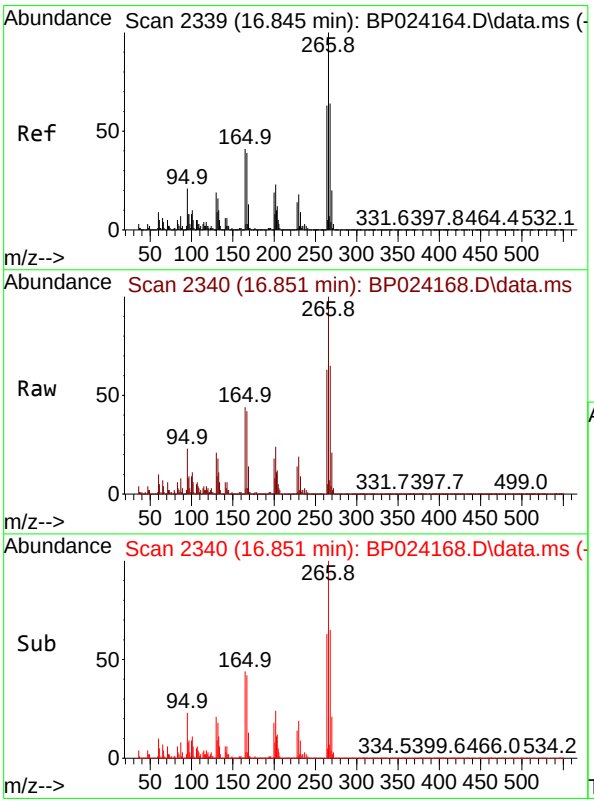
#69
Atrazine
Concen: 36.287 ng
RT: 16.657 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion:200 Resp: 481443

Ion	Ratio	Lower	Upper
200	100		
173	28.1	7.6	47.6
215	48.5	29.0	69.0

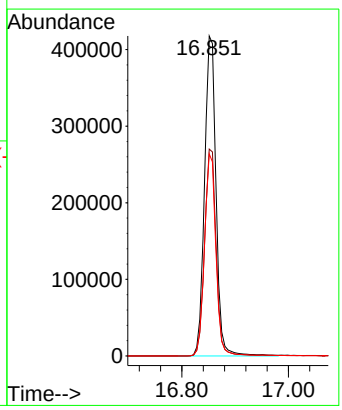


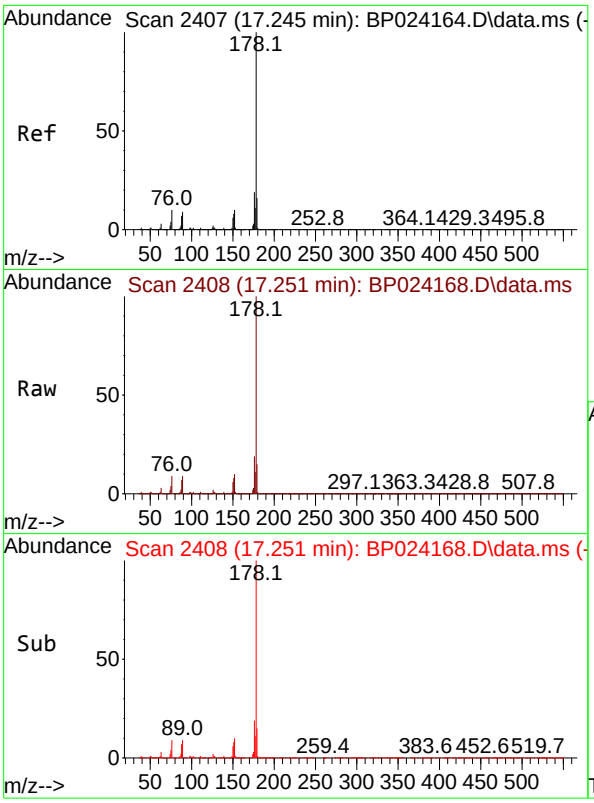


#70
Pentachlorophenol
Concen: 41.161 ng
RT: 16.851 min Scan# 2340
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:266 Resp: 626146

Ion	Ratio	Lower	Upper
266	100		
268	64.6	51.3	76.9
264	63.1	50.6	76.0



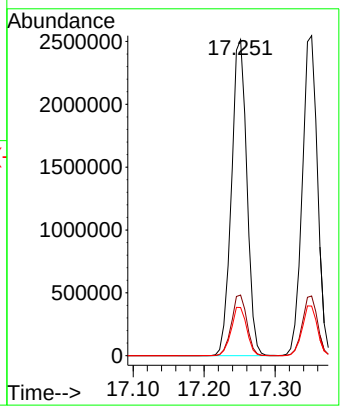


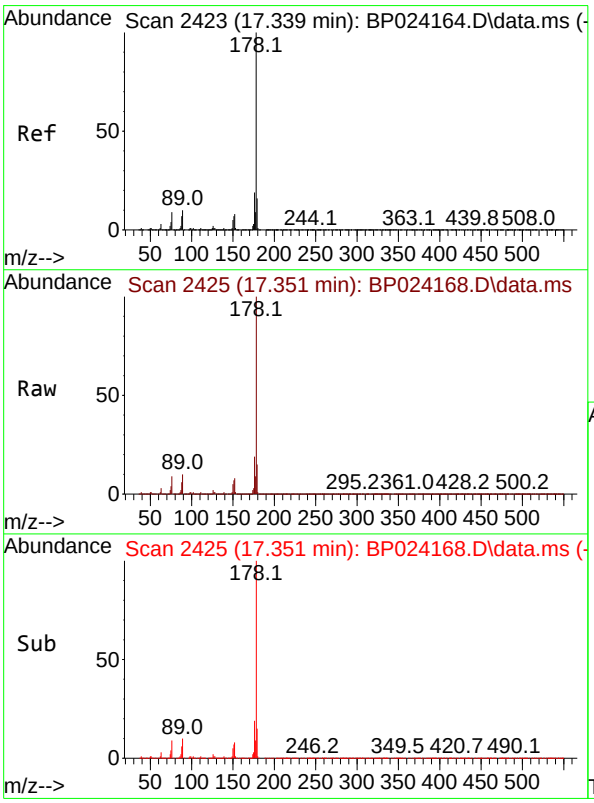
#71
Phenanthrene
Concen: 38.379 ng
RT: 17.251 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion:178 Resp: 3795212

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.6	23.4
179	15.2	12.5	18.7

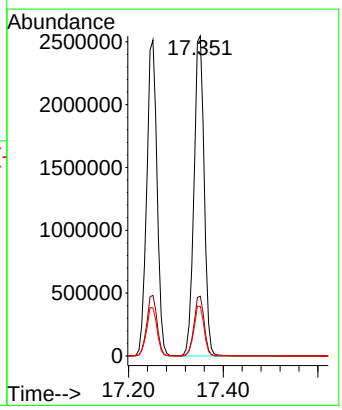


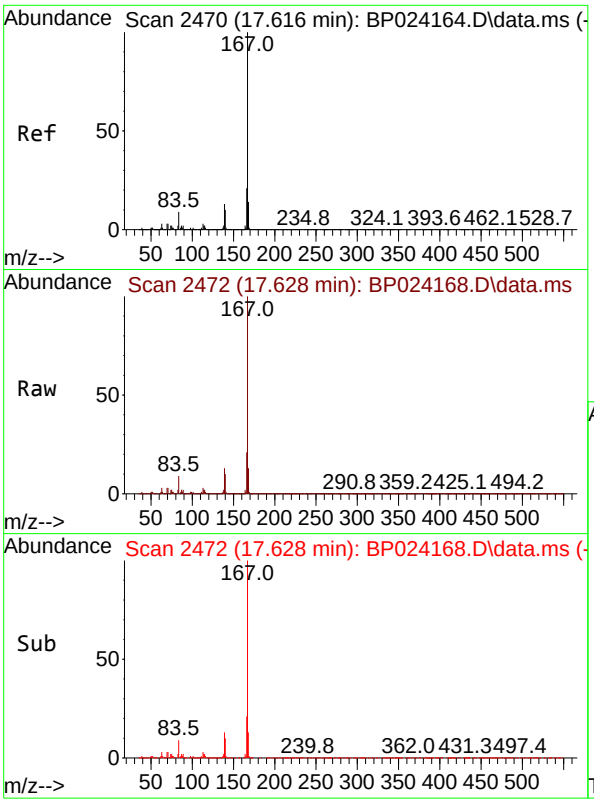


#72
Anthracene
Concen: 39.358 ng
RT: 17.351 min Scan# 2425
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:178 Resp: 3790779

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.2	22.8
179	15.5	12.6	18.8



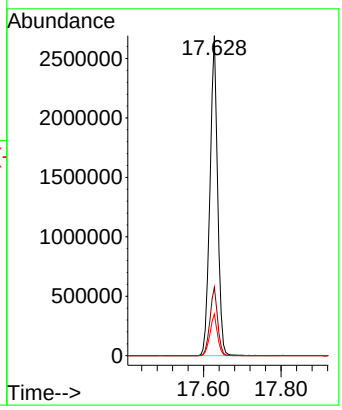


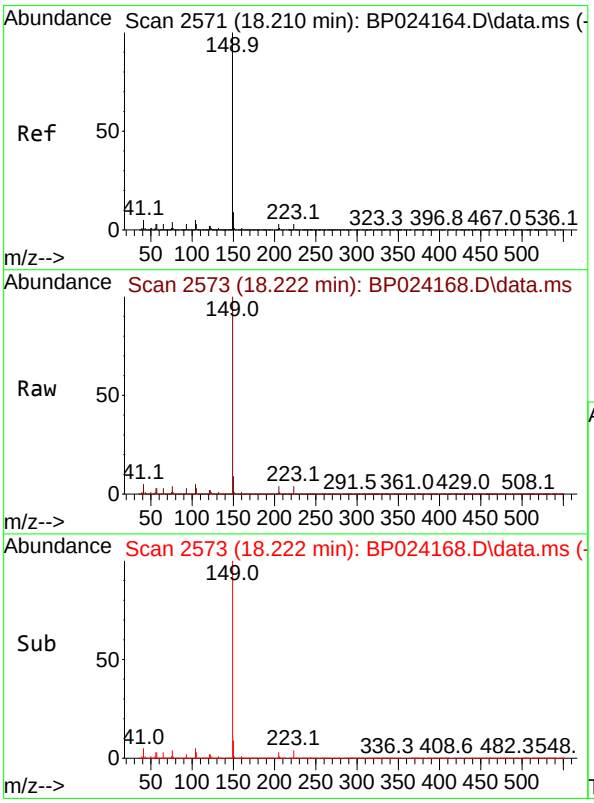
#73
Carbazole
Concen: 39.665 ng
RT: 17.628 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion:167 Resp: 3684202

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.1	25.7
139	13.0	10.2	15.4

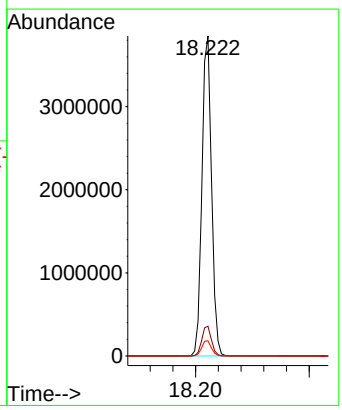


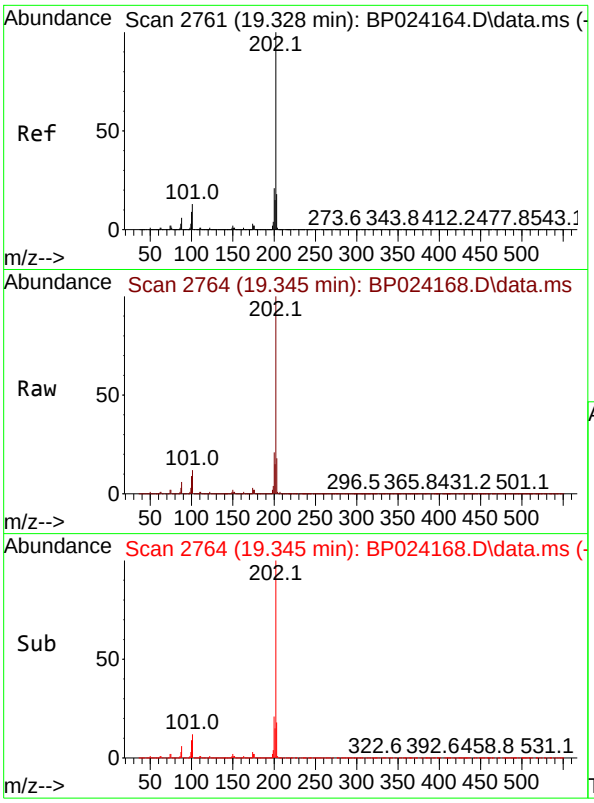


#74
Di-n-butylphthalate
Concen: 40.866 ng
RT: 18.222 min Scan# 2573
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:149 Resp: 4505984

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.6	11.4
104	4.8	3.9	5.9



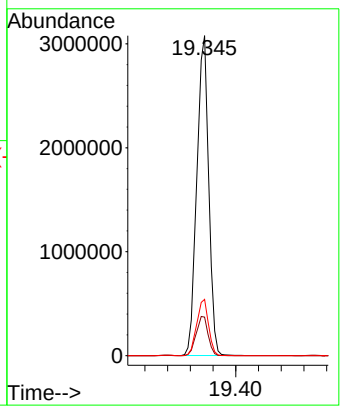


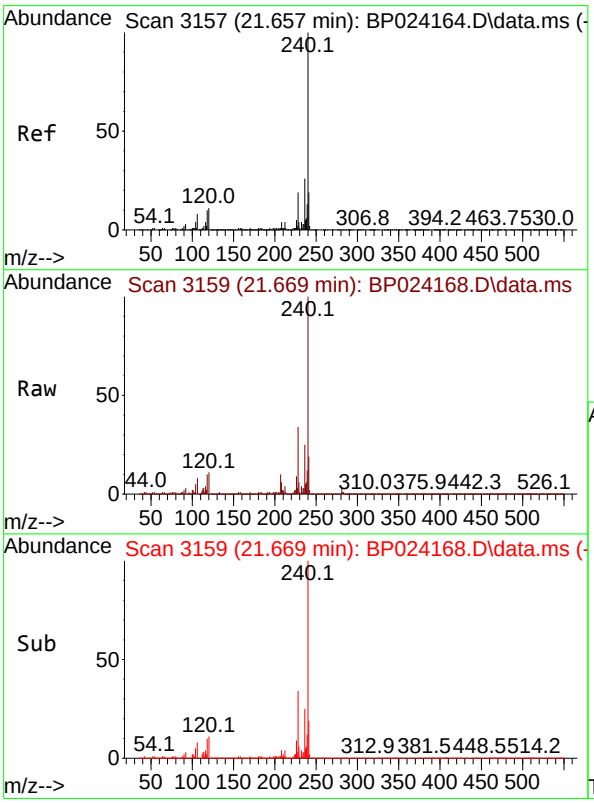
#75
Fluoranthene
Concen: 39.006 ng
RT: 19.345 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion:202 Resp: 4467370

Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	32.5
203	17.6	0.0	37.9

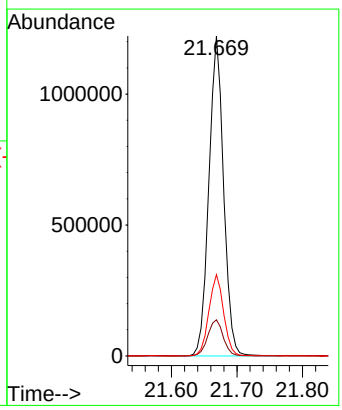


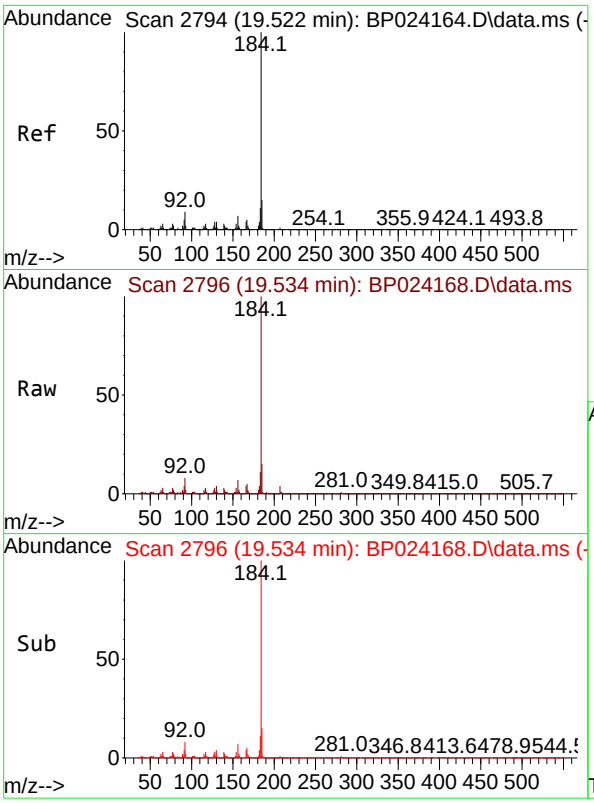


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.669 min Scan# 3159
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:240 Resp: 1903114

Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.2	13.8
236	25.4	20.4	30.6



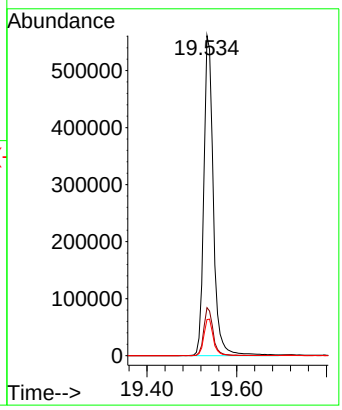


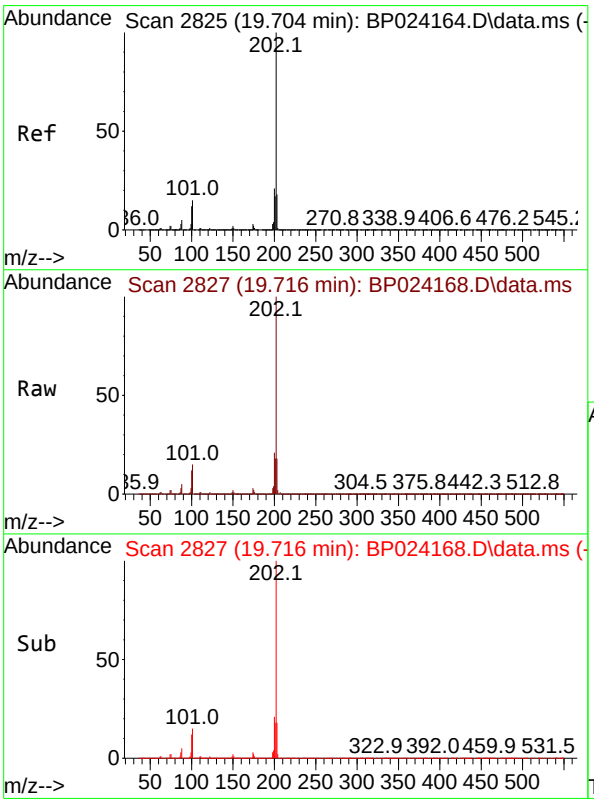
#77
Benzidine
Concen: 39.777 ng
RT: 19.534 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion:184 Resp: 827654

Ion	Ratio	Lower	Upper
184	100		
185	15.0	11.8	17.6
183	11.3	9.1	13.7

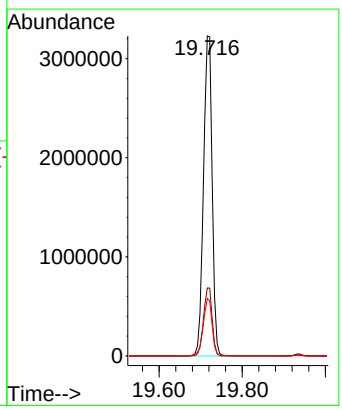


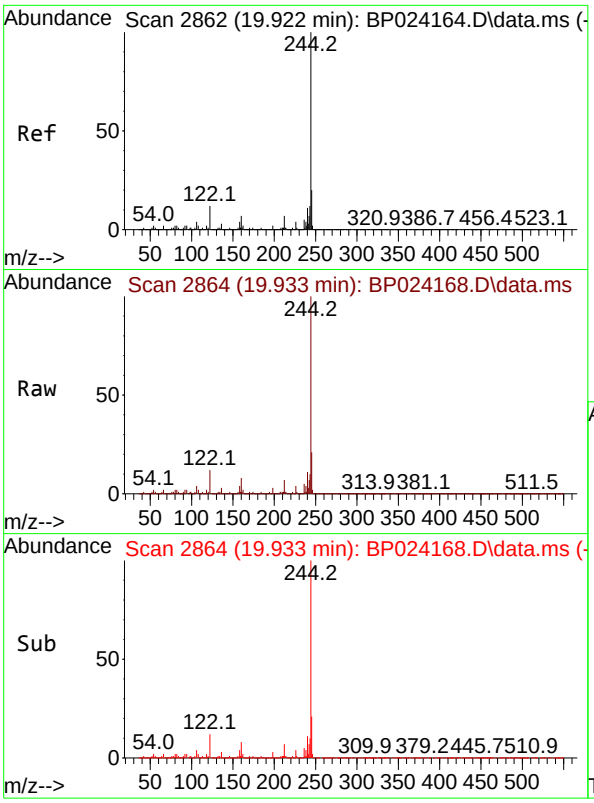


#78
Pyrene
Concen: 39.565 ng
RT: 19.716 min Scan# 2827
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:202 Resp: 4681182

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.1	25.7
203	17.9	14.2	21.4



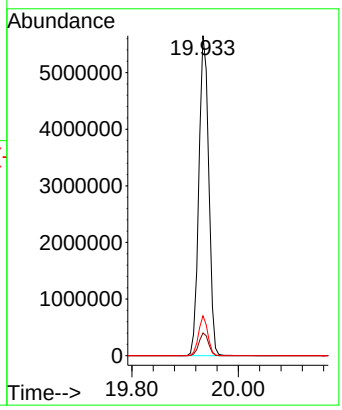


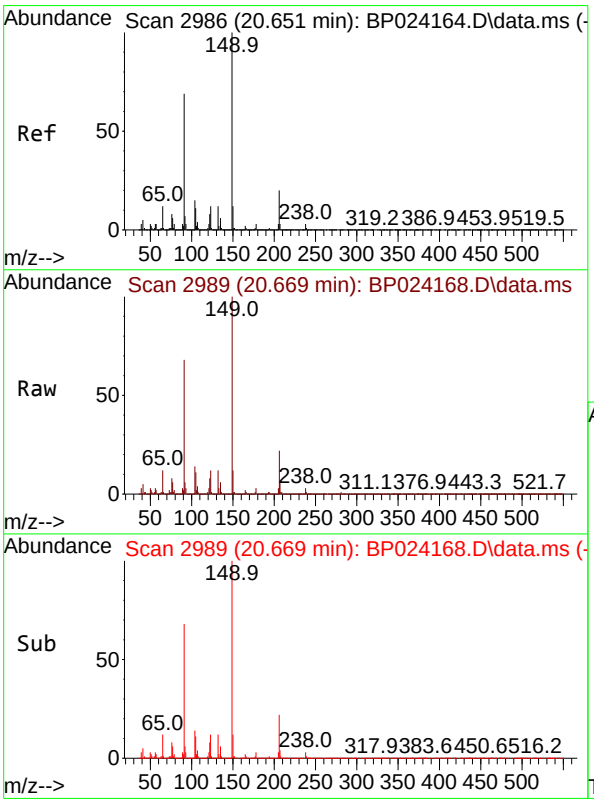
#79
Terphenyl-d14
Concen: 78.549 ng
RT: 19.933 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion:244 Resp: 7241807

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	12.5	9.6	14.4

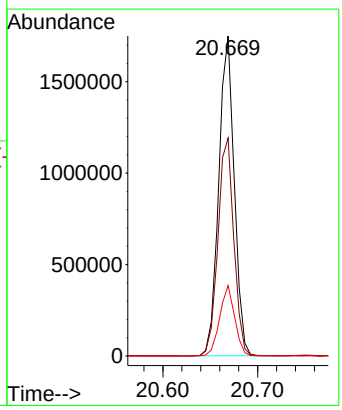


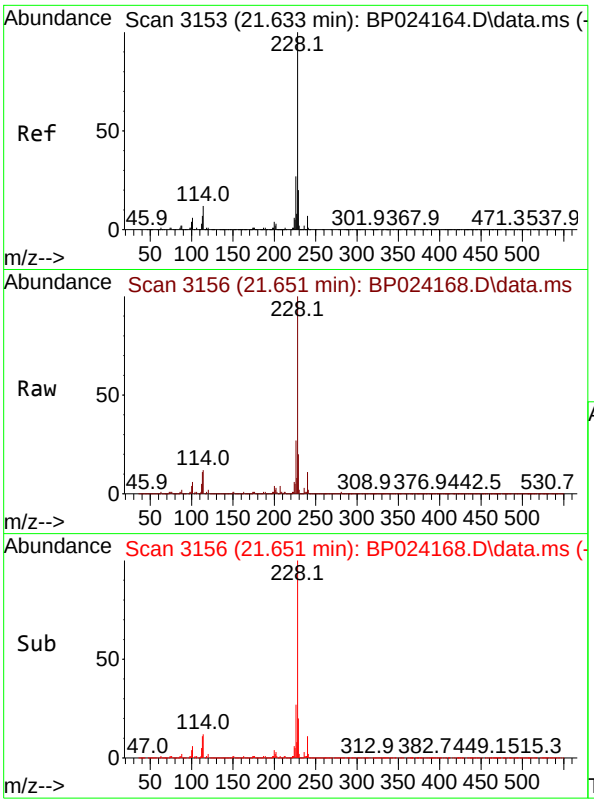


#80
Butylbenzylphthalate
Concen: 40.824 ng
RT: 20.669 min Scan# 2989
Delta R.T. 0.018 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:149 Resp: 1991838

Ion	Ratio	Lower	Upper
149	100		
91	68.1	55.3	82.9
206	22.0	16.1	24.1



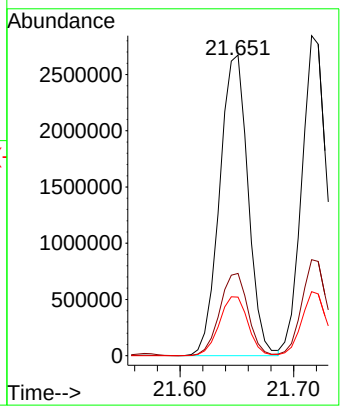


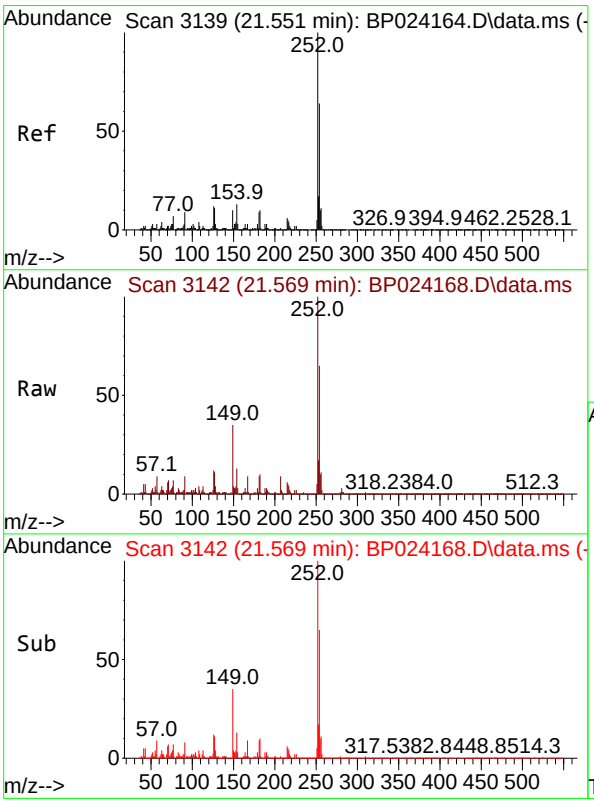
#81
Benzo(a)anthracene
Concen: 39.318 ng
RT: 21.651 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion:228 Resp: 4652183

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.8	32.8
229	19.5	16.0	24.0

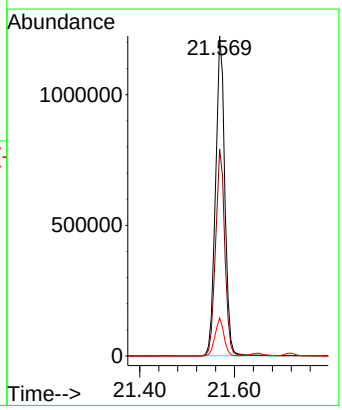


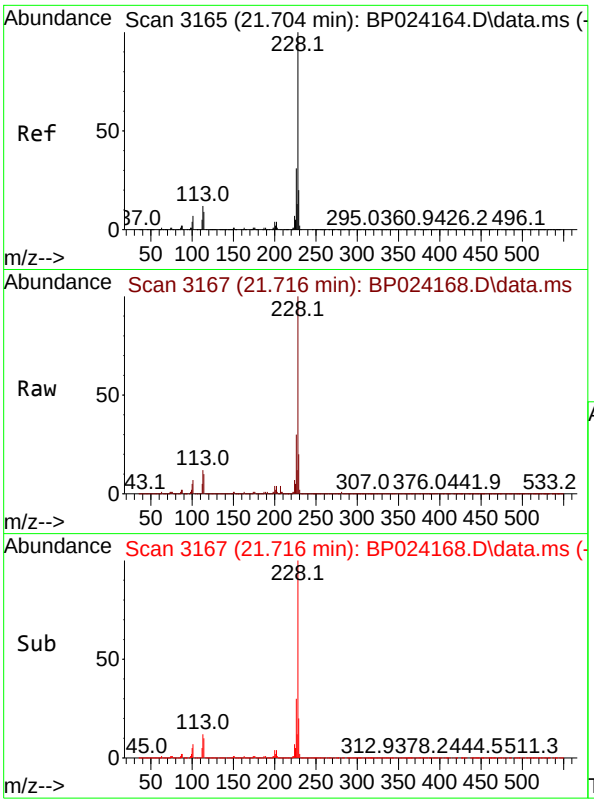


#82
3,3'-Dichlorobenzidine
Concen: 41.750 ng
RT: 21.569 min Scan# 3142
Delta R.T. 0.018 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:252 Resp: 1655655

Ion	Ratio	Lower	Upper
252	100		
254	64.7	51.4	77.2
126	11.9	9.3	13.9



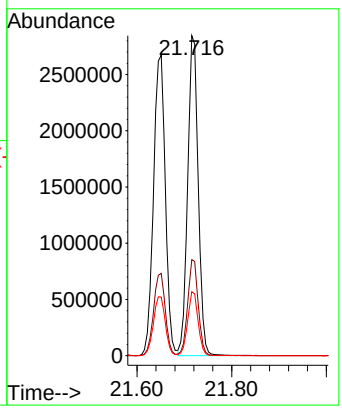


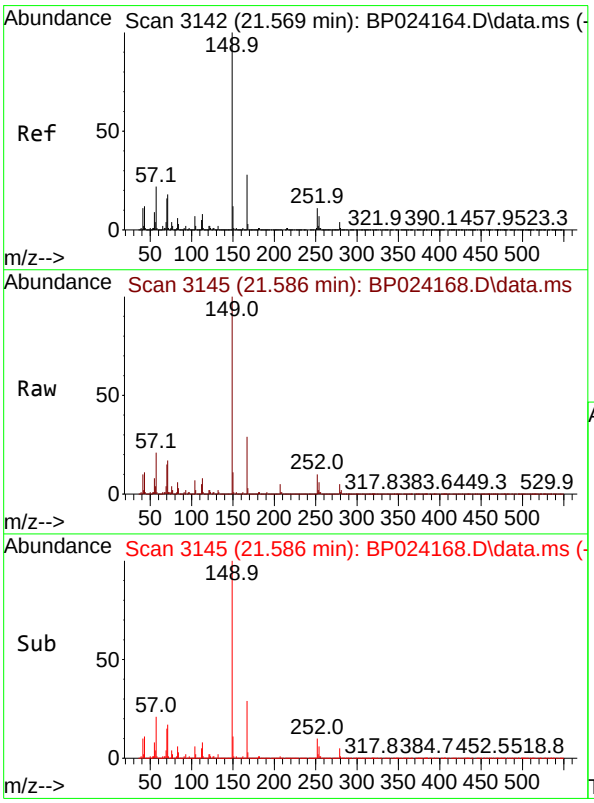
#83
Chrysene
Concen: 38.624 ng
RT: 21.716 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion:228 Resp: 4393252

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.5	36.7
229	20.0	16.2	24.2

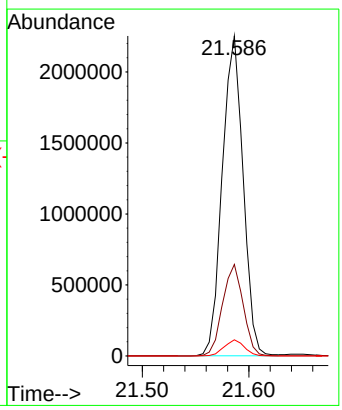


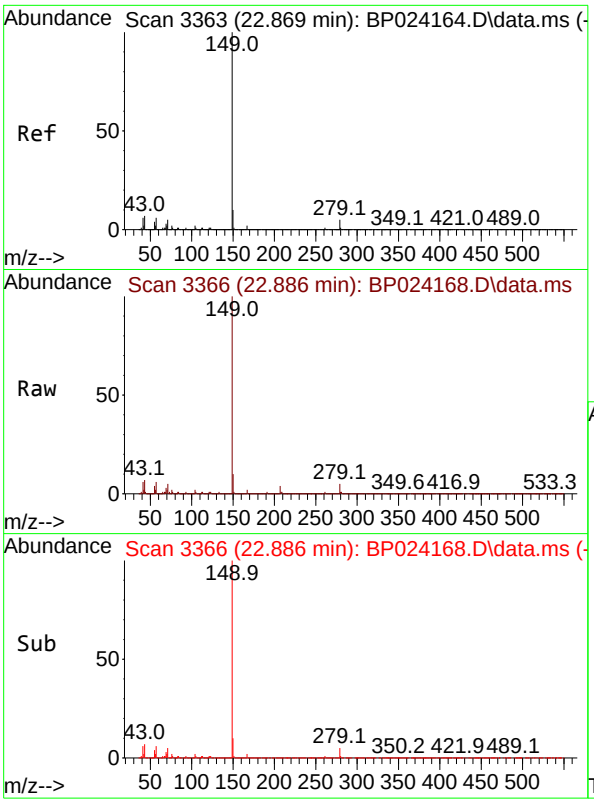


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.569 ng
RT: 21.586 min Scan# 3145
Delta R.T. 0.018 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:149 Resp: 3060349

Ion	Ratio	Lower	Upper
149	100		
167	28.6	22.5	33.7
279	5.1	3.6	5.4



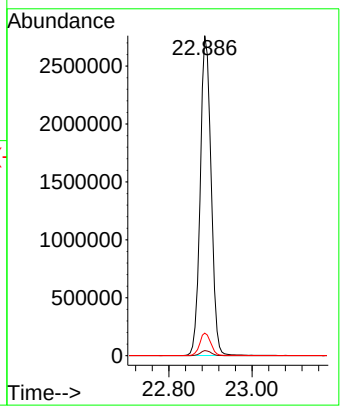


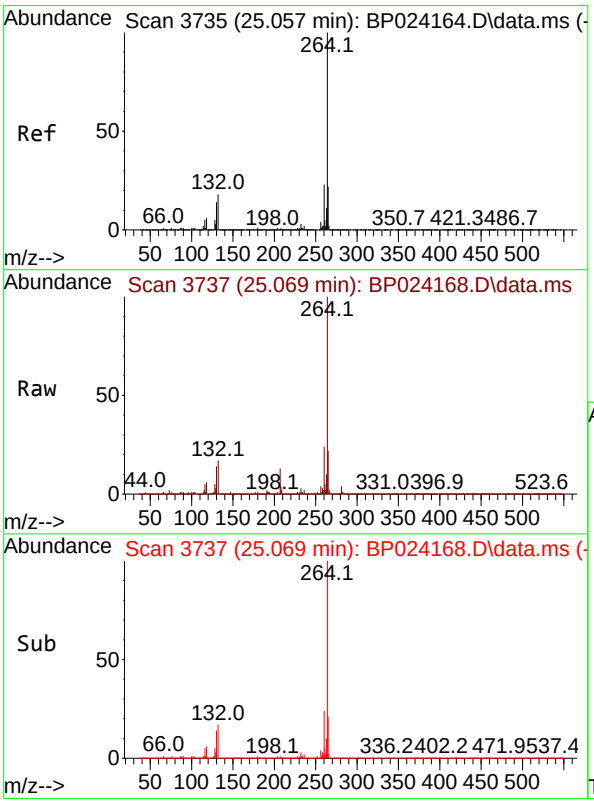
#85
Di-n-octyl phthalate
Concen: 42.452 ng
RT: 22.886 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion:149 Resp: 5007462

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.2	5.8	8.8

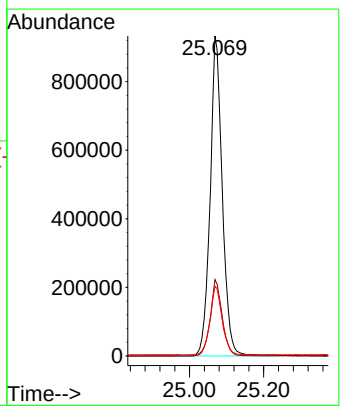


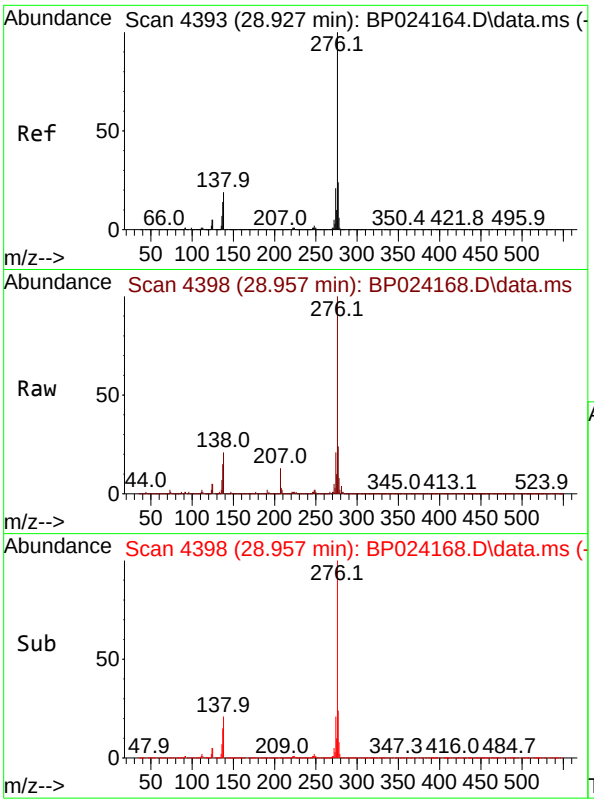


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.069 min Scan# 3737
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:264 Resp: 2127367

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.5	27.7
265	21.8	17.7	26.5



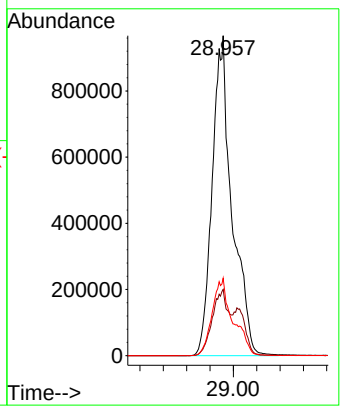


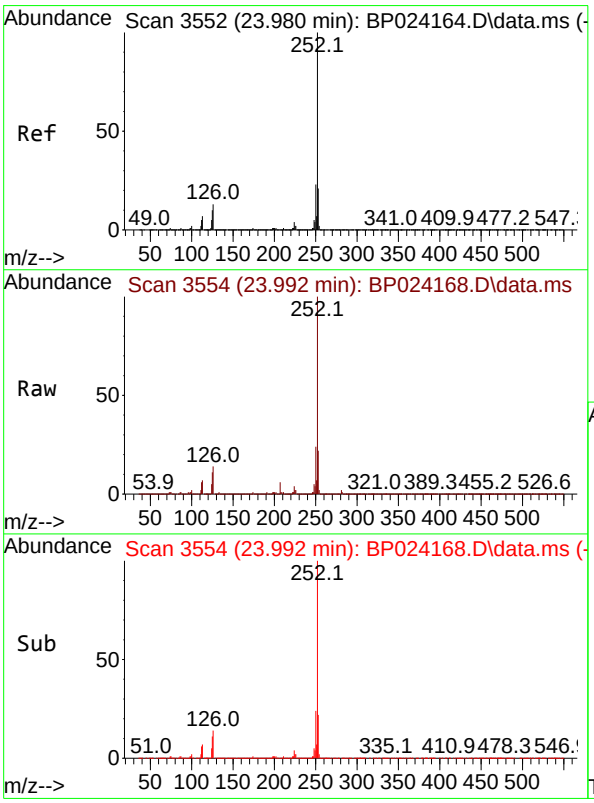
#87
Indeno(1,2,3-cd)pyrene
Concen: 38.387 ng
RT: 28.957 min Scan# 4
Delta R.T. 0.029 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion:276 Resp: 5699470

Ion	Ratio	Lower	Upper
276	100		
138	16.8	13.7	20.5
277	25.3	20.2	30.2

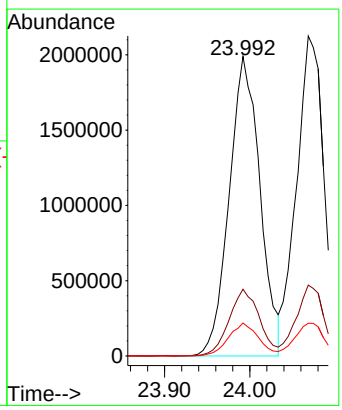


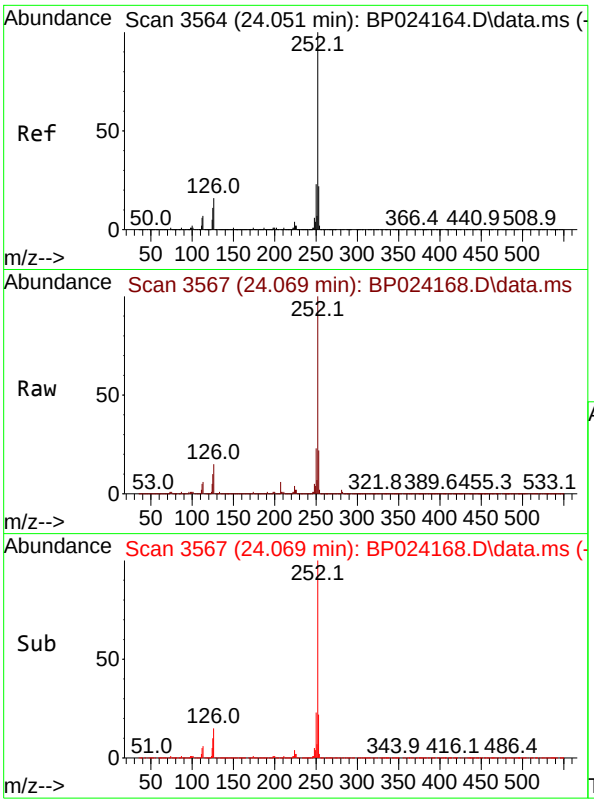


#88
Benzo(b)fluoranthene
Concen: 38.891 ng
RT: 23.992 min Scan# 3554
Delta R.T. 0.012 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:252 Resp: 4988392

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	11.0	8.2	12.4



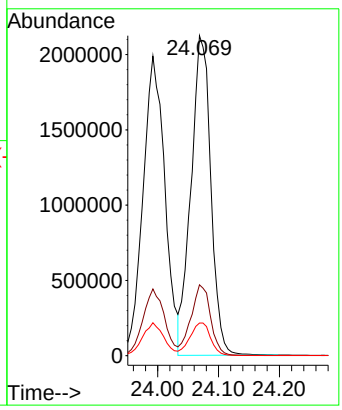


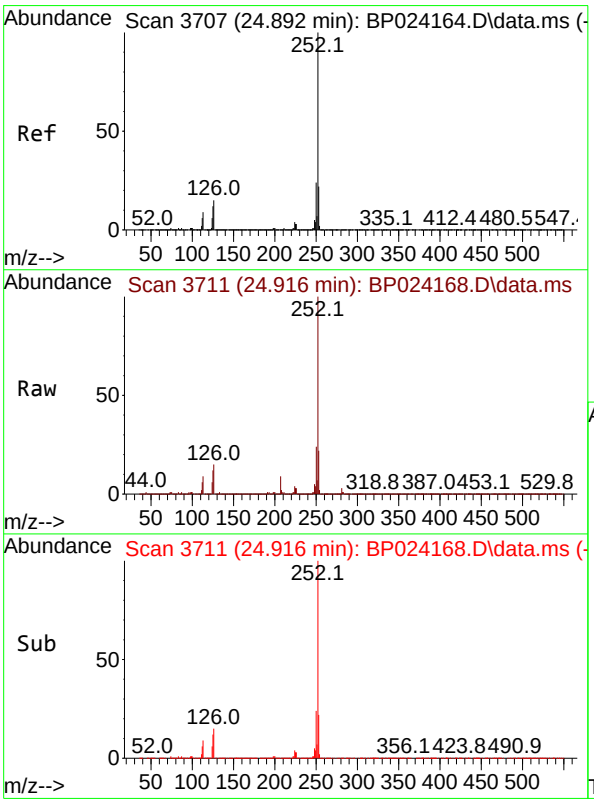
#89
Benzo(k)fluoranthene
Concen: 38.280 ng
RT: 24.069 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion:252 Resp: 4803010

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	10.2	9.1	13.7

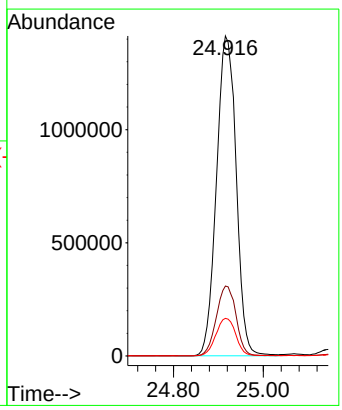


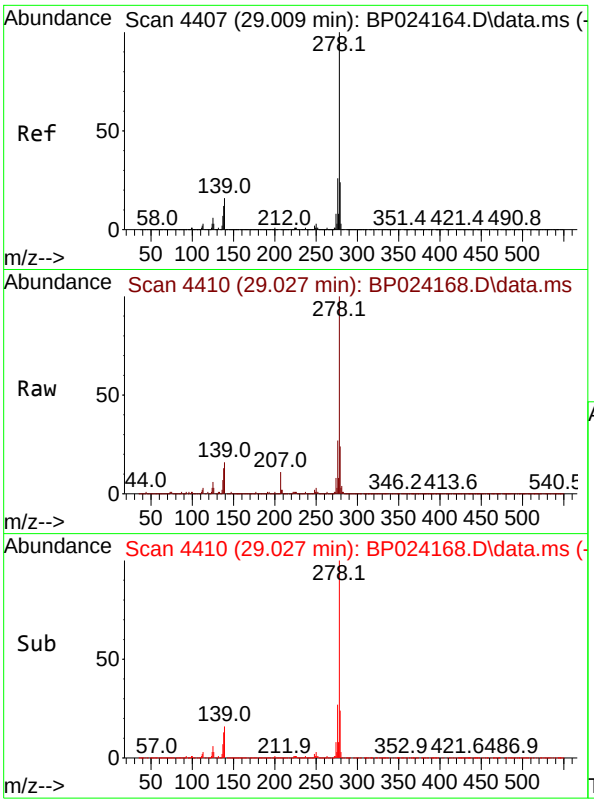


#90
Benzo(a)pyrene
Concen: 38.607 ng
RT: 24.916 min Scan# 3711
Delta R.T. 0.024 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:252 Resp: 4306060

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0
125	11.8	9.6	14.4



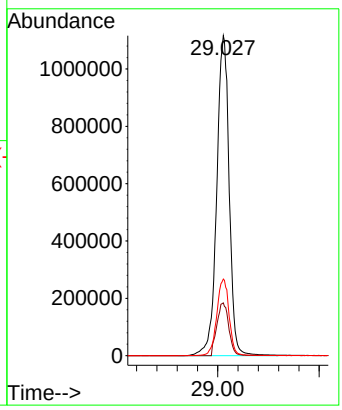


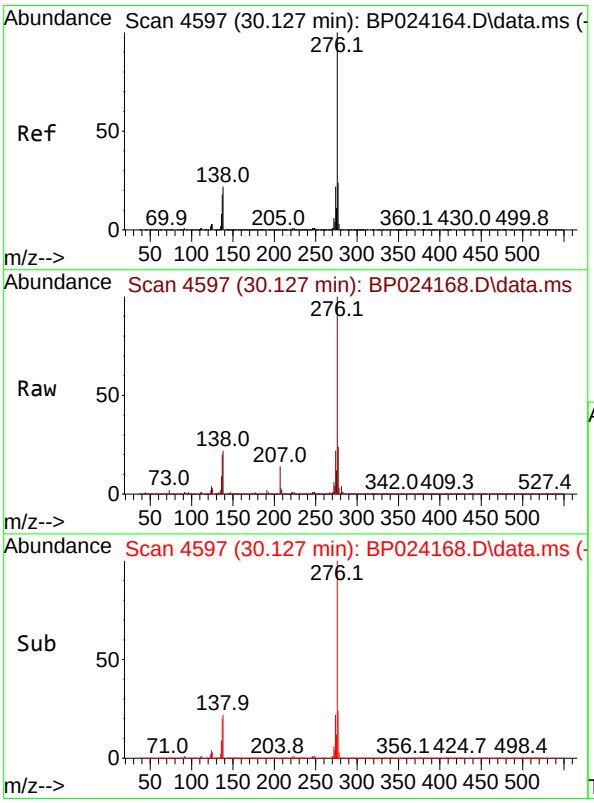
#91
Dibenzo(a,h)anthracene
Concen: 38.474 ng
RT: 29.027 min Scan# 4
Delta R.T. 0.018 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Tgt Ion:278 Resp: 4752357

Ion	Ratio	Lower	Upper
278	100		
139	16.5	13.0	19.4
279	24.0	18.8	28.2

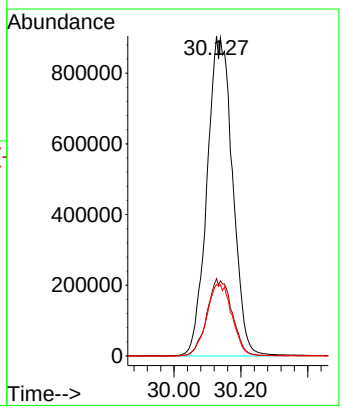




#92
Benzo(g,h,i)perylene
Concen: 38.087 ng m
RT: 30.127 min Scan# 4597
Delta R.T. 0.000 min
Lab File: BP024168.D
Acq: 12 Mar 2025 21:43

Tgt Ion:276 Resp: 4782473

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.2	28.8
138	22.4	17.4	26.2



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024168.D
Acq On : 12 Mar 2025 21:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Quant Time: Mar 13 04:44:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:38:17 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	0.497	0.470	5.4	105	0.00
3		Pyridine	1.358	1.314	3.2	105	0.00
4		n-Nitrosodimethylamine	0.454	0.438	3.5	106	0.00
5	S	2-Fluorophenol	1.253	1.225	2.2	106	0.00
6		Aniline	1.527	1.504	1.5	106	0.00
7	S	Phenol-d6	1.675	1.648	1.6	105	0.00
8		2-Chlorophenol	1.353	1.325	2.1	106	0.00
9		Benzaldehyde	0.809	0.816	-0.9	109	0.00
10	C	Phenol	1.691	1.644	2.8	105	0.00
11		bis(2-Chloroethyl)ether	1.334	1.274	4.5	104	0.00
12		1,3-Dichlorobenzene	1.459	1.399	4.1	105	0.00
13	C	1,4-Dichlorobenzene	1.490	1.414	5.1	104	0.00
14		1,2-Dichlorobenzene	1.430	1.363	4.7	105	0.00
15		Benzyl Alcohol	1.061	1.061	0.0	106	0.00
16		2,2'-oxybis(1-Chloropropane	1.361	1.305	4.1	105	0.00
17		2-Methylphenol	1.061	1.051	0.9	106	0.00
18		Hexachloroethane	0.529	0.510	3.6	105	0.00
19	P	n-Nitroso-di-n-propylamine	0.972	0.965	0.7	105	0.00
20		3+4-Methylphenols	1.457	1.444	0.9	105	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	106	0.00
22		Acetophenone	0.506	0.488	3.6	104	0.00
23	S	Nitrobenzene-d5	0.354	0.349	1.4	105	0.00
24		Nitrobenzene	0.350	0.341	2.6	106	0.00
25		Isophorone	0.608	0.603	0.8	106	0.00
26	C	2-Nitrophenol	0.167	0.175	-4.8	109	0.00
27		2,4-Dimethylphenol	0.215	0.214	0.5	105	0.00
28		bis(2-Chloroethoxy)methane	0.427	0.413	3.3	105	0.00
29	C	2,4-Dichlorophenol	0.291	0.295	-1.4	105	0.00
30		1,2,4-Trichlorobenzene	0.321	0.307	4.4	104	0.00
31		Naphthalene	1.060	1.013	4.4	104	0.00
32		Benzoic acid	0.209	0.228	-9.1	111	0.00
33		4-Chloroaniline	0.379	0.375	1.1	105	0.00
34	C	Hexachlorobutadiene	0.185	0.179	3.2	106	0.00
35		Caprolactam	0.095	0.097	-2.1	106	0.00
36	C	4-Chloro-3-methylphenol	0.313	0.311	0.6	105	0.00
37		2-Methylnaphthalene	0.716	0.694	3.1	105	0.00
38		1-Methylnaphthalene	0.697	0.677	2.9	107	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	104	0.00
40		1,2,4,5-Tetrachlorobenzene	0.578	0.564	2.4	105	0.00
41	P	Hexachlorocyclopentadiene	0.208	0.214	-2.9	105	0.00
42	S	2,4,6-Tribromophenol	0.252	0.257	-2.0	106	0.00
43	C	2,4,6-Trichlorophenol	0.367	0.376	-2.5	105	0.00
44		2,4,5-Trichlorophenol	0.403	0.413	-2.5	105	0.00
45	S	2-Fluorobiphenyl	1.356	1.321	2.6	104	0.00
46		1,1'-Biphenyl	1.503	1.460	2.9	104	0.00
47		2-Chloronaphthalene	1.130	1.102	2.5	105	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024168.D
Acq On : 12 Mar 2025 21:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Quant Time: Mar 13 04:44:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:38:17 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	0.289	0.297	-2.8	106	0.00
49		Acenaphthylene	1.710	1.679	1.8	105	0.00
50		Dimethylphthalate	1.399	1.349	3.6	103	0.00
51		2,6-Dinitrotoluene	0.294	0.292	0.7	103	0.00
52	C	Acenaphthene	1.093	1.062	2.8	104	0.00
53		3-Nitroaniline	0.318	0.324	-1.9	104	0.00
54	P	2,4-Dinitrophenol	0.156	0.167	-7.1	108	0.00
55		Dibenzofuran	1.770	1.693	4.4	103	0.00
56	P	4-Nitrophenol	0.266	0.281	-5.6	105	0.00
57		2,4-Dinitrotoluene	0.389	0.400	-2.8	105	0.00
58		Fluorene	1.379	1.347	2.3	104	0.00
59		2,3,4,6-Tetrachlorophenol	0.356	0.355	0.3	103	0.00
60		Diethylphthalate	1.394	1.343	3.7	103	0.00
61		4-Chlorophenyl-phenylether	0.676	0.652	3.6	103	0.00
62		4-Nitroaniline	0.334	0.344	-3.0	104	0.00
63		Azobenzene	1.314	1.292	1.7	104	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	105	0.00
65		4,6-Dinitro-2-methylphenol	0.119	0.120	-0.8	105	0.00
66	c	n-Nitrosodiphenylamine	0.607	0.596	1.8	105	0.00
67		4-Bromophenyl-phenylether	0.220	0.213	3.2	104	0.00
68		Hexachlorobenzene	0.260	0.254	2.3	105	0.00
69		Atrazine	0.147	0.133	9.5	103	0.00
70	C	Pentachlorophenol	0.168	0.173	-3.0	103	0.00
71		Phenanthrene	1.093	1.048	4.1	102	0.00
72		Anthracene	1.064	1.047	1.6	104	0.01
73		Carbazole	1.026	1.018	0.8	103	0.01
74		Di-n-butylphthalate	1.218	1.245	-2.2	104	0.01
75	C	Fluoranthene	1.265	1.234	2.5	103	0.02
76	I	Chrysene-d12	1.000	1.000	0.0	101	0.01
77		Benzidine	0.219	0.217	0.9	85	0.01
78		Pyrene	1.243	1.230	1.0	103	0.01
79	S	Terphenyl-d14	0.969	0.951	1.9	102	0.01
80		Butylbenzylphthalate	0.513	0.523	-1.9	101	0.02
81		Benzo(a)anthracene	1.243	1.222	1.7	102	0.02
82		3,3'-Dichlorobenzidine	0.417	0.435	-4.3	103	0.02
83		Chrysene	1.195	1.154	3.4	101	0.01
84		Bis(2-ethylhexyl)phthalate	0.774	0.804	-3.9	103	0.02
85	c	Di-n-octyl phthalate	1.240	1.316	-6.1	105	0.02
86	I	Perylene-d12	1.000	1.000	0.0	104	0.01
87		Indeno(1,2,3-cd)pyrene	1.396	1.340	4.0	102	0.03
88		Benzo(b)fluoranthene	1.206	1.172	2.8	103	0.01
89		Benzo(k)fluoranthene	1.180	1.129	4.3	104	0.02
90	C	Benzo(a)pyrene	1.049	1.012	3.5	102	0.02
91		Dibenzo(a,h)anthracene	1.161	1.117	3.8	102	0.02
92		Benzo(g,h,i)perylene	1.180	1.124	4.7	101	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024168.D
Acq On : 12 Mar 2025 21:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Quant Time: Mar 13 04:44:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:38:17 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024168.D
Acq On : 12 Mar 2025 21:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Quant Time: Mar 13 04:44:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:38:17 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	37.880	5.3	105	0.00
3		Pyridine	40.000	38.718	3.2	105	0.00
4		n-Nitrosodimethylamine	40.000	38.646	3.4	106	0.00
5	S	2-Fluorophenol	80.000	78.230	2.2	106	0.00
6		Aniline	40.000	39.413	1.5	106	0.00
7	S	Phenol-d6	80.000	78.704	1.6	105	0.00
8		2-Chlorophenol	40.000	39.149	2.1	106	0.00
9		Benzaldehyde	40.000	40.389	-1.0	109	0.00
10	C	Phenol	40.000	38.869	2.8	105	0.00
11		bis(2-Chloroethyl)ether	40.000	38.203	4.5	104	0.00
12		1,3-Dichlorobenzene	40.000	38.353	4.1	105	0.00
13	C	1,4-Dichlorobenzene	40.000	37.960	5.1	104	0.00
14		1,2-Dichlorobenzene	40.000	38.116	4.7	105	0.00
15		Benzyl Alcohol	40.000	39.999	0.0	106	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	38.356	4.1	105	0.00
17		2-Methylphenol	40.000	39.636	0.9	106	0.00
18		Hexachloroethane	40.000	38.587	3.5	105	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.697	0.8	105	0.00
20		3+4-Methylphenols	40.000	39.629	0.9	105	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	106	0.00
22		Acetophenone	40.000	38.611	3.5	104	0.00
23	S	Nitrobenzene-d5	80.000	78.652	1.7	105	0.00
24		Nitrobenzene	40.000	39.045	2.4	106	0.00
25		Isophorone	40.000	39.677	0.8	106	0.00
26	C	2-Nitrophenol	40.000	41.892	-4.7	109	0.00
27		2,4-Dimethylphenol	40.000	39.779	0.6	105	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.608	3.5	105	0.00
29	C	2,4-Dichlorophenol	40.000	40.558	-1.4	105	0.00
30		1,2,4-Trichlorobenzene	40.000	38.264	4.3	104	0.00
31		Naphthalene	40.000	38.223	4.4	104	0.00
32		Benzoic acid	40.000	43.618	-9.0	111	0.00
33		4-Chloroaniline	40.000	39.499	1.3	105	0.00
34	C	Hexachlorobutadiene	40.000	38.854	2.9	106	0.00
35		Caprolactam	40.000	40.859	-2.1	106	0.00
36	C	4-Chloro-3-methylphenol	40.000	39.702	0.7	105	0.00
37		2-Methylnaphthalene	40.000	38.762	3.1	105	0.00
38		1-Methylnaphthalene	40.000	38.874	2.8	107	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	104	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	38.988	2.5	105	0.00
41	P	Hexachlorocyclopentadiene	40.000	41.026	-2.6	105	0.00
42	S	2,4,6-Tribromophenol	80.000	81.766	-2.2	106	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.950	-2.4	105	0.00
44		2,4,5-Trichlorophenol	40.000	40.985	-2.5	105	0.00
45	S	2-Fluorobiphenyl	80.000	77.885	2.6	104	0.00
46		1,1'-Biphenyl	40.000	38.846	2.9	104	0.00
47		2-Chloronaphthalene	40.000	39.006	2.5	105	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024168.D
Acq On : 12 Mar 2025 21:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Quant Time: Mar 13 04:44:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:38:17 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	41.137	-2.8	106	0.00
49		Acenaphthylene	40.000	39.262	1.8	105	0.00
50		Dimethylphthalate	40.000	38.548	3.6	103	0.00
51		2,6-Dinitrotoluene	40.000	39.611	1.0	103	0.00
52	C	Acenaphthene	40.000	38.881	2.8	104	0.00
53		3-Nitroaniline	40.000	40.719	-1.8	104	0.00
54	P	2,4-Dinitrophenol	40.000	42.791	-7.0	108	0.00
55		Dibenzofuran	40.000	38.264	4.3	103	0.00
56	P	4-Nitrophenol	40.000	42.293	-5.7	105	0.00
57		2,4-Dinitrotoluene	40.000	41.106	-2.8	105	0.00
58		Fluorene	40.000	39.061	2.3	104	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.844	0.4	103	0.00
60		Diethylphthalate	40.000	38.539	3.7	103	0.00
61		4-Chlorophenyl-phenylether	40.000	38.572	3.6	103	0.00
62		4-Nitroaniline	40.000	41.253	-3.1	104	0.00
63		Azobenzene	40.000	39.347	1.6	104	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	105	0.00
65		4,6-Dinitro-2-methylphenol	40.000	40.442	-1.1	105	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.234	1.9	105	0.00
67		4-Bromophenyl-phenylether	40.000	38.892	2.8	104	0.00
68		Hexachlorobenzene	40.000	39.073	2.3	105	0.00
69		Atrazine	40.000	36.287	9.3	103	0.00
70	C	Pentachlorophenol	40.000	41.161	-2.9	103	0.00
71		Phenanthrene	40.000	38.379	4.1	102	0.00
72		Anthracene	40.000	39.358	1.6	104	0.01
73		Carbazole	40.000	39.665	0.8	103	0.01
74		Di-n-butylphthalate	40.000	40.866	-2.2	104	0.01
75	C	Fluoranthene	40.000	39.006	2.5	103	0.02
76	I	Chrysene-d12	20.000	20.000	0.0	101	0.01
77		Benzidine	40.000	39.777	0.6	85	0.01
78		Pyrene	40.000	39.565	1.1	103	0.01
79	S	Terphenyl-d14	80.000	78.549	1.8	102	0.01
80		Butylbenzylphthalate	40.000	40.824	-2.1	101	0.02
81		Benzo(a)anthracene	40.000	39.318	1.7	102	0.02
82		3,3'-Dichlorobenzidine	40.000	41.750	-4.4	103	0.02
83		Chrysene	40.000	38.624	3.4	101	0.01
84		Bis(2-ethylhexyl)phthalate	40.000	41.569	-3.9	103	0.02
85	c	Di-n-octyl phthalate	40.000	42.452	-6.1	105	0.02
86	I	Perylene-d12	20.000	20.000	0.0	104	0.01
87		Indeno(1,2,3-cd)pyrene	40.000	38.387	4.0	102	0.03
88		Benzo(b)fluoranthene	40.000	38.891	2.8	103	0.01
89		Benzo(k)fluoranthene	40.000	38.280	4.3	104	0.02
90	C	Benzo(a)pyrene	40.000	38.607	3.5	102	0.02
91		Dibenzo(a,h)anthracene	40.000	38.474	3.8	102	0.02
92		Benzo(g,h,i)perylene	40.000	38.087	4.8	101	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024168.D
Acq On : 12 Mar 2025 21:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP031225

Quant Time: Mar 13 04:44:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 04:38:17 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1744 SAS No.: Q1744 SDG No.: Q1744

Instrument ID: BNA_P Calibration Date/Time: 04/11/2025 09:43

Lab File ID: BP024259.D Init. Calib. Date(s): 03/12/2025 03/12/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:17 21:02

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.358	1.377		1.4	
2-Fluorophenol	1.253	1.286		2.6	
Phenol-d6	1.675	1.720		2.7	
1,4-Dichlorobenzene	1.490	1.489		-0.1	20.0
2-Methylphenol	1.061	1.100		3.7	
3+4-Methylphenols	1.457	1.511		3.7	
Nitrobenzene-d5	0.354	0.371		4.8	
Hexachloroethane	0.529	0.543		2.6	
Nitrobenzene	0.350	0.364		4.0	
Hexachlorobutadiene	0.185	0.187		1.1	20.0
2,4,6-Trichlorophenol	0.367	0.397		8.2	20.0
2-Fluorobiphenyl	1.356	1.348		-0.6	
2,4,5-Trichlorophenol	0.403	0.436		8.2	
2,4-Dinitrotoluene	0.389	0.431		10.8	
2,4,6-Tribromophenol	0.252	0.279		10.7	
Hexachlorobenzene	0.260	0.268		3.1	
Pentachlorophenol	0.168	0.192		14.3	20.0
Terphenyl-d14	0.969	1.021		5.4	

All other compounds must meet a minimum RRF of 0.010.

Sample Results: **BP024259.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024259.D
Acq On : 11 Apr 2025 09:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 11 11:41:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.757	152	312531	20.000	ng		0.01
21) Naphthalene-d8	10.534	136	1264665	20.000	ng		0.00
39) Acenaphthene-d10	14.392	164	754959	20.000	ng		0.00
64) Phenanthrene-d10	17.204	188	1422444	20.000	ng		0.01
76) Chrysene-d12	21.639	240	1476882	20.000	ng		0.00
86) Perylene-d12	25.009	264	1685517	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.369	112	1608244	82.143	ng		0.01
7) Phenol-d6	6.940	99	2150742	82.146	ng		0.01
23) Nitrobenzene-d5	8.910	82	1876349	83.710	ng		0.02
42) 2,4,6-Tribromophenol	15.916	330	842033	88.545	ng		0.02
45) 2-Fluorobiphenyl	13.004	172	4069689	79.486	ng		0.00
79) Terphenyl-d14	19.915	244	6031742	84.305	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.310	88	317614	40.925	ng		97
3) Pyridine	3.710	79	860456	40.556	ng		98
4) n-Nitrosodimethylamine	3.616	42	291604	41.145	ng		96
6) Aniline	7.093	93	982604	41.192	ng		99
8) 2-Chlorophenol	7.328	128	865217	40.913	ng		98
9) Benzaldehyde	6.910	77	491265	38.882	ng		98
10) Phenol	6.963	94	1075930	40.708	ng		99
11) bis(2-Chloroethyl)ether	7.187	93	850771	40.818	ng		98
12) 1,3-Dichlorobenzene	7.645	146	921673	40.415	ng		99
13) 1,4-Dichlorobenzene	7.793	146	930619	39.966	ng		99
14) 1,2-Dichlorobenzene	8.110	146	886890	39.691	ng		99
15) Benzyl Alcohol	7.998	79	713395	43.039	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.281	45	897651	42.197	ng		97
17) 2-Methylphenol	8.198	107	687771	41.497	ng		99
18) Hexachloroethane	8.828	117	339362	41.079	ng		98
19) n-Nitroso-di-n-propyla...	8.557	70	641643	42.243	ng		99
20) 3+4-Methylphenols	8.528	107	944524	41.480	ng		99
22) Acetophenone	8.575	105	1298008	40.597	ng	#	99
24) Nitrobenzene	8.945	77	919422	41.580	ng		100
25) Isophorone	9.469	82	1649521	42.931	ng		99
26) 2-Nitrophenol	9.651	139	481417	45.579	ng		99
27) 2,4-Dimethylphenol	9.722	122	567833	41.809	ng		99
28) bis(2-Chloroethoxy)met...	9.951	93	1120826	41.465	ng		99
29) 2,4-Dichlorophenol	10.192	162	776384	42.257	ng		99
30) 1,2,4-Trichlorobenzene	10.398	180	825513	40.668	ng		99
31) Naphthalene	10.586	128	2731866	40.751	ng		100
32) Benzoic acid	9.863	122	661716m	49.957	ng		
33) 4-Chloroaniline	10.698	127	981614	40.916	ng		99
34) Hexachlorobutadiene	10.875	225	473791	40.556	ng		99
35) Caprolactam	11.486	113	267179	44.371	ng		98
36) 4-Chloro-3-methylphenol	11.828	107	862616	43.522	ng		98
37) 2-Methylnaphthalene	12.204	142	1858908	41.045	ng		100
38) 1-Methylnaphthalene	12.416	142	1802806	40.926	ng		98
40) 1,2,4,5-Tetrachloroben...	12.575	216	873596	40.030	ng		99
41) Hexachlorocyclopentadiene	12.551	237	337746	42.934	ng		99
43) 2,4,6-Trichlorophenol	12.810	196	599436	43.220	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024259.D
Acq On : 11 Apr 2025 09:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 11 11:41:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.892	196	657619	43.236	ng		99
46) 1,1'-Biphenyl	13.216	154	2300015	40.542	ng		99
47) 2-Chloronaphthalene	13.257	162	1726724	40.465	ng		99
48) 2-Nitroaniline	13.463	65	496898	45.527	ng		100
49) Acenaphthylene	14.110	152	2696370	41.760	ng		100
50) Dimethylphthalate	13.845	163	2201075	41.667	ng		99
51) 2,6-Dinitrotoluene	13.969	165	480773	43.255	ng		97
52) Acenaphthene	14.463	154	1682367	40.781	ng		100
53) 3-Nitroaniline	14.304	138	526381	43.848	ng		97
54) 2,4-Dinitrophenol	14.510	184	277095	47.115	ng		96
55) Dibenzofuran	14.798	168	2696334	40.350	ng		98
56) 4-Nitrophenol	14.633	139	458976	45.756	ng		98
57) 2,4-Dinitrotoluene	14.763	165	651438	44.371	ng		97
58) Fluorene	15.457	166	2119056	40.700	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.033	232	566136	42.129	ng		97
60) Diethylphthalate	15.239	149	2229474	42.381	ng		100
61) 4-Chlorophenyl-phenyle...	15.457	204	1024091	40.103	ng		96
62) 4-Nitroaniline	15.480	138	545990	43.364	ng		99
63) Azobenzene	15.757	77	2109289	42.541	ng		97
65) 4,6-Dinitro-2-methylph...	15.539	198	372193	44.075	ng		97
66) n-Nitrosodiphenylamine	15.686	169	1789396	41.426	ng		99
67) 4-Bromophenyl-phenylether	16.374	248	649551	41.592	ng		98
68) Hexachlorobenzene	16.492	284	761794	41.213	ng		99
69) Atrazine	16.663	200	421164	40.396	ng		99
70) Pentachlorophenol	16.851	266	546484	45.717	ng		99
71) Phenanthrene	17.251	178	3186211	41.003	ng		99
72) Anthracene	17.339	178	3134014	41.409	ng		99
73) Carbazole	17.621	167	3073920	42.115	ng		99
74) Di-n-butylphthalate	18.215	149	3848693	44.419	ng		100
75) Fluoranthene	19.327	202	3772405	41.916	ng		99
77) Benzidine	19.521	184	1220703	75.598	ng		100
78) Pyrene	19.698	202	3894683	42.418	ng		100
80) Butylbenzylphthalate	20.645	149	1770125	46.750	ng		100
81) Benzo(a)anthracene	21.621	228	3778651	41.152	ng		100
82) 3,3'-Dichlorobenzidine	21.539	252	1432446	46.547	ng		99
83) Chrysene	21.686	228	3627476	41.095	ng		99
84) Bis(2-ethylhexyl)phtha...	21.562	149	2601162	45.528	ng		100
85) Di-n-octyl phthalate	22.851	149	4369468	47.734	ng		100
87) Indeno(1,2,3-cd)pyrene	28.844	276	4872753	41.422	ng	#	91
88) Benzo(b)fluoranthene	23.950	252	4203453	41.362	ng		98
89) Benzo(k)fluoranthene	24.021	252	3986349	40.100	ng		99
90) Benzo(a)pyrene	24.856	252	3689826	41.754	ng		99
91) Dibenzo(a,h)anthracene	28.909	278	4044449	41.326	ng		99
92) Benzo(g,h,i)perylene	30.033	276	4094492	41.156	ng		98

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

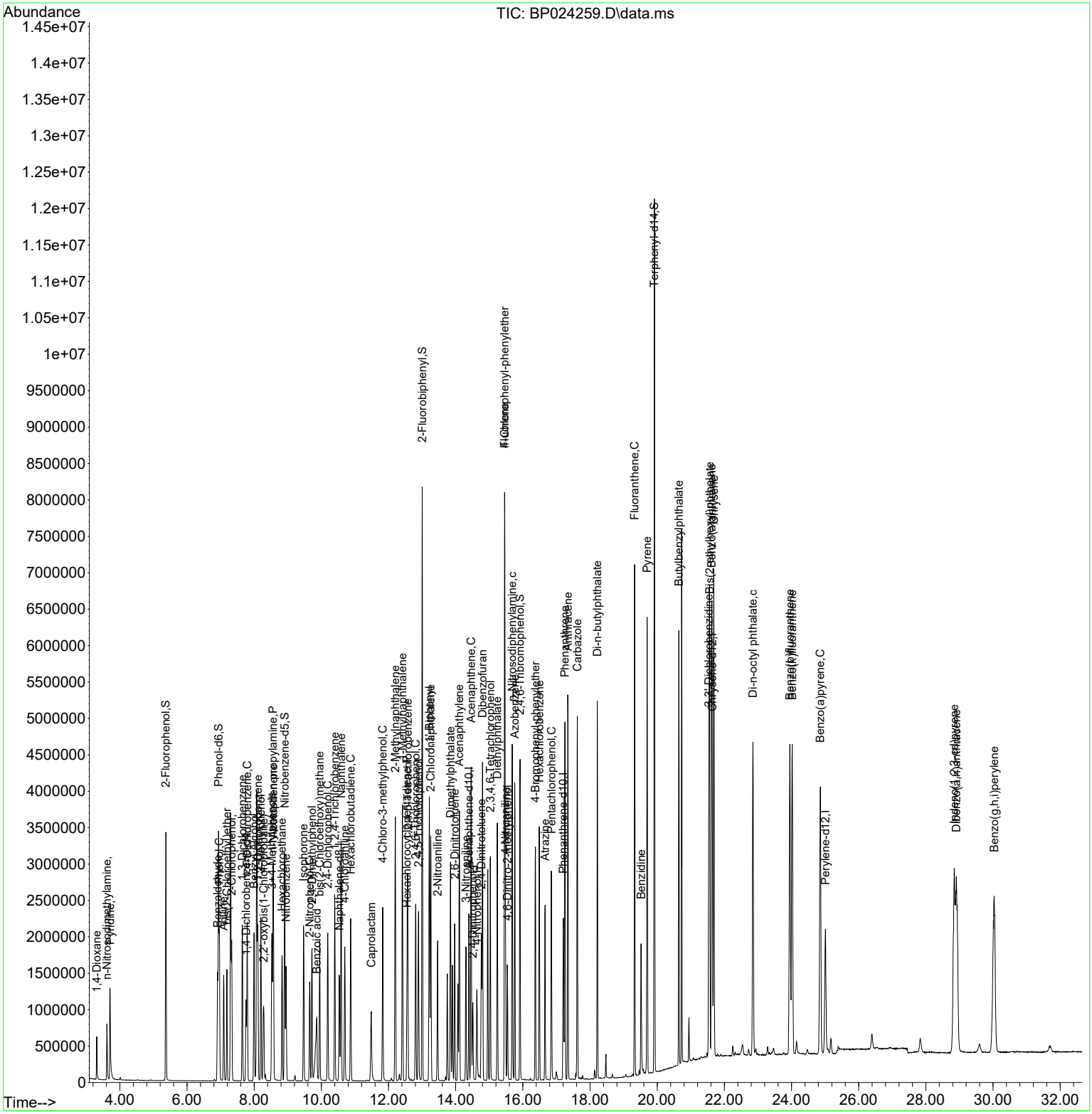
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Data File : BP024259.D
Acq On : 11 Apr 2025 09:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

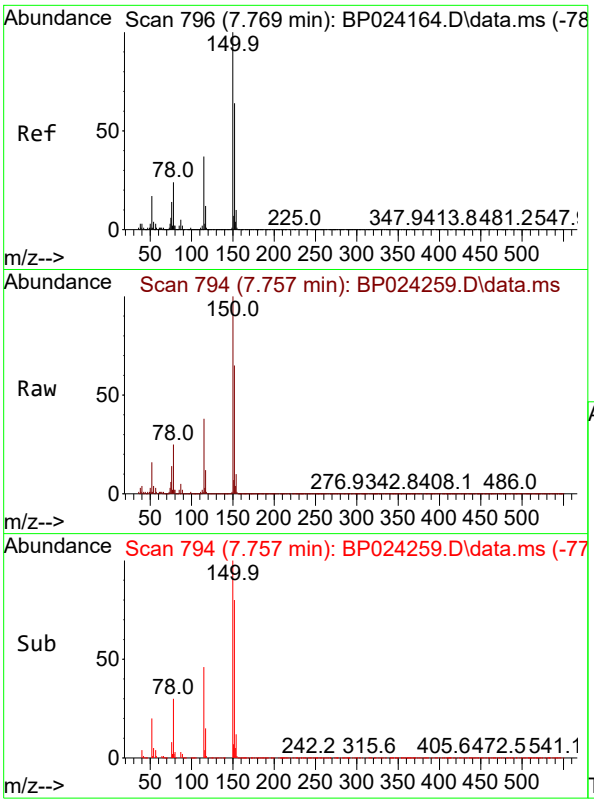
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

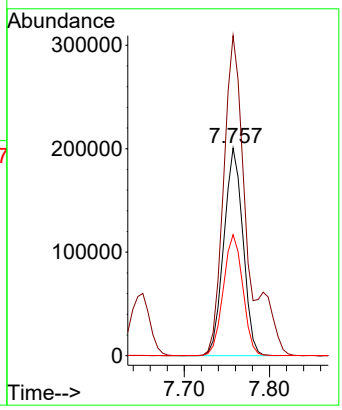




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.757 min Scan# 7
Delta R.T. 0.011 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:152 Resp: 31253

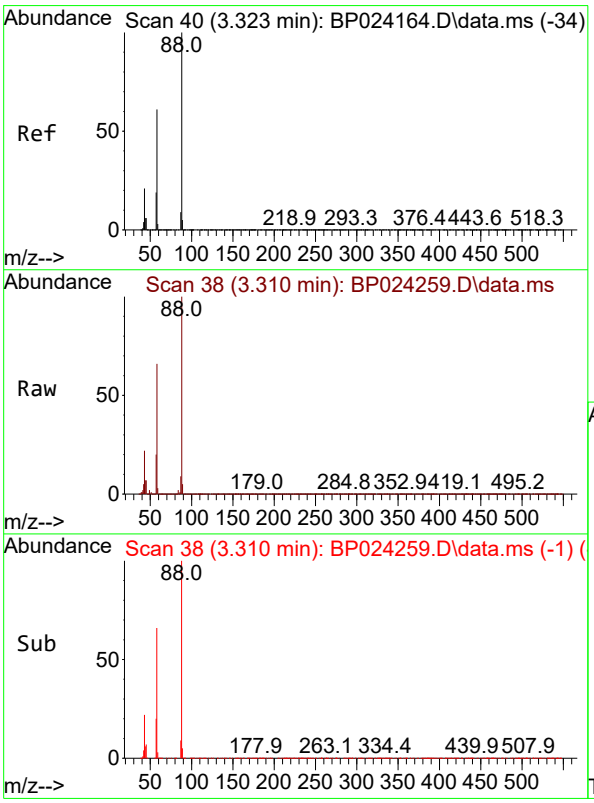
Ion	Ratio	Lower	Upper
152	100		
150	154.2	125.5	188.3
115	58.3	46.3	69.5



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

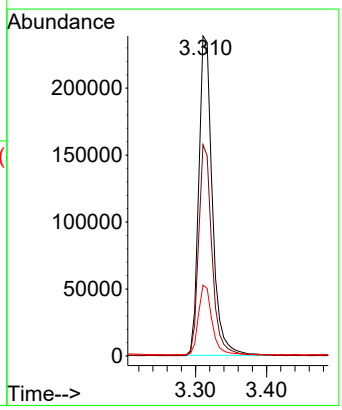
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

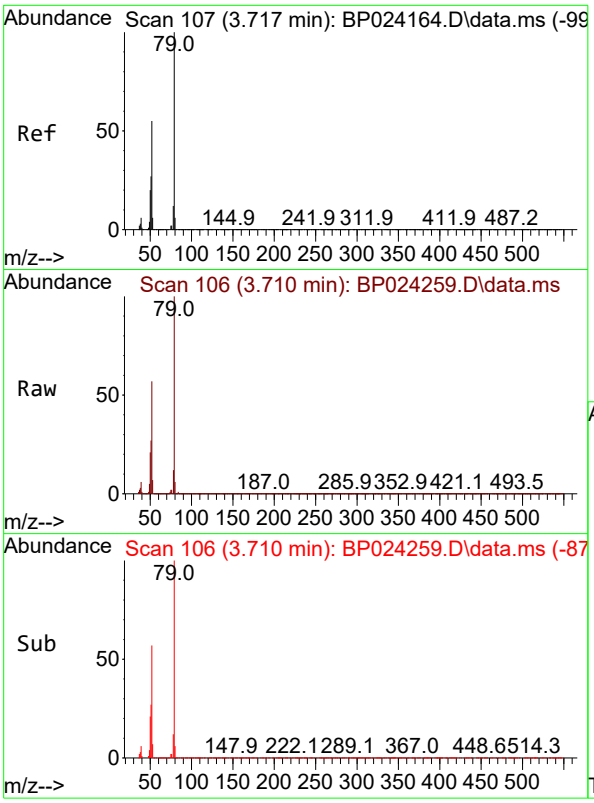


#2
1,4-Dioxane
Concen: 40.925 ng
RT: 3.310 min Scan# 38
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion: 88 Resp: 317614

Ion	Ratio	Lower	Upper
88	100		
58	65.2	49.8	74.6
43	22.0	17.3	25.9

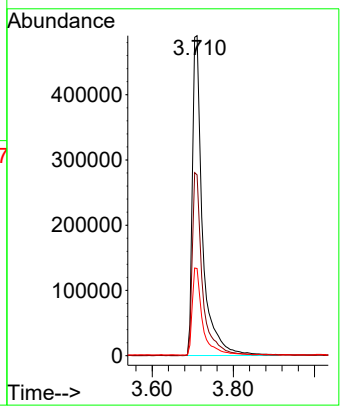




#3
Pyridine
Concen: 40.556 ng
RT: 3.710 min Scan# 1(
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion: 79 Resp: 86045(

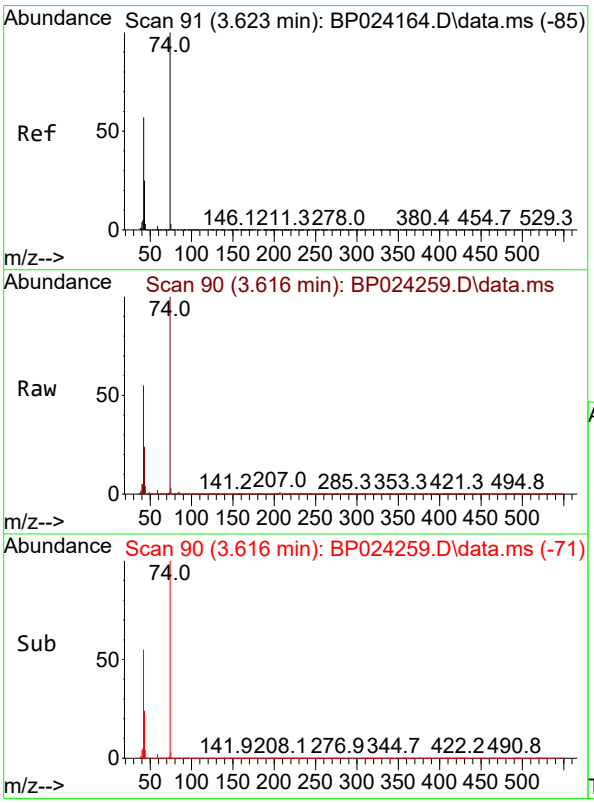
Ion	Ratio	Lower	Upper
79	100		
52	56.5	43.8	65.8
51	27.3	21.6	32.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

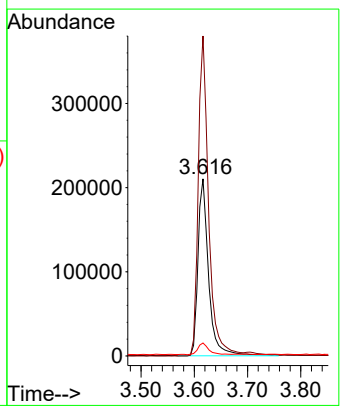
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

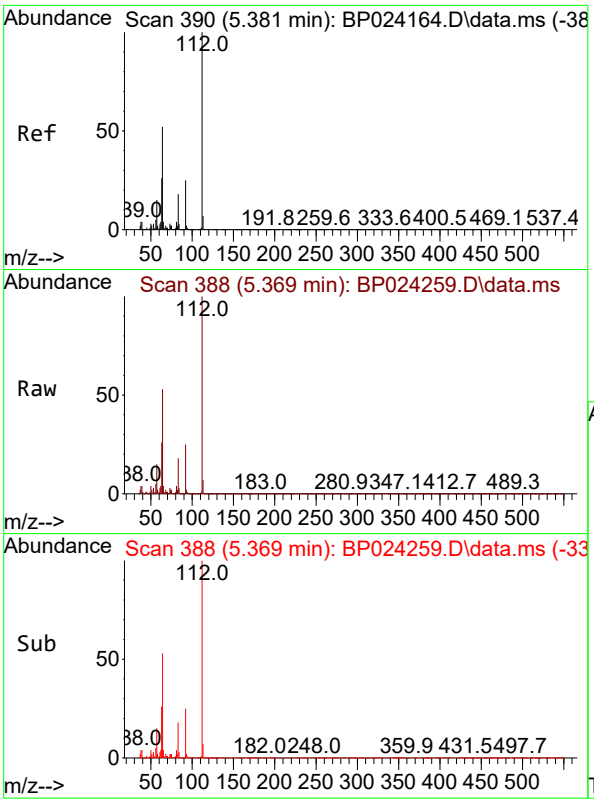


#4
n-Nitrosodimethylamine
Concen: 41.145 ng
RT: 3.616 min Scan# 90
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion: 42 Resp: 291604

Ion	Ratio	Lower	Upper
42	100		
74	180.6	139.8	209.6
44	7.3	5.3	7.9





#5
2-Fluorophenol
Concen: 82.143 ng
RT: 5.369 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

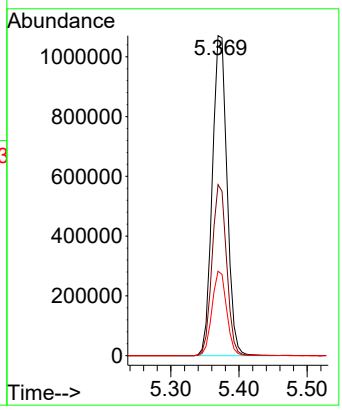
Tgt Ion:112 Resp: 160824

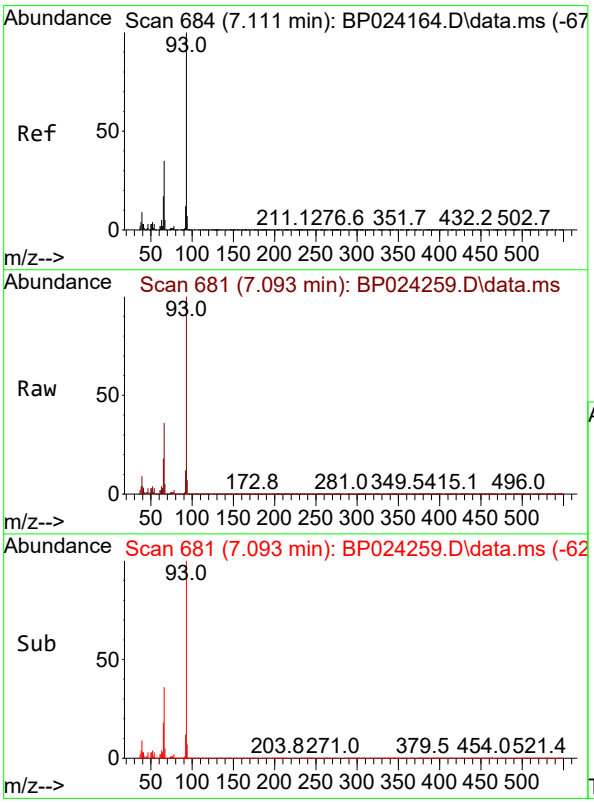
Ion	Ratio	Lower	Upper
112	100		
64	53.4	41.3	61.9
63	26.4	20.6	31.0

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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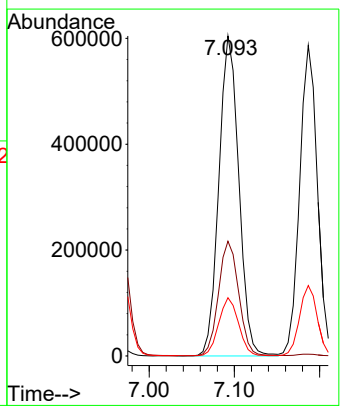


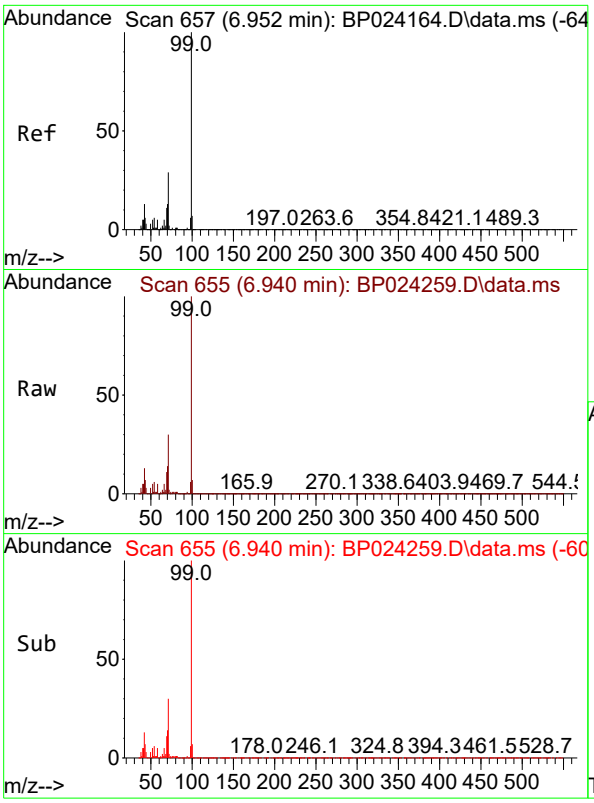


#6
Aniline
Concen: 41.192 ng
RT: 7.093 min Scan# 681
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion: 93 Resp: 982604

Ion	Ratio	Lower	Upper
93	100		
66	35.9	28.2	42.2
65	18.2	14.0	21.0

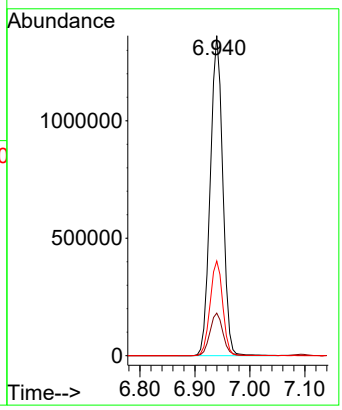




#7
Phenol-d6
Concen: 82.146 ng
RT: 6.940 min Scan# 6
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion: 99 Resp: 215074

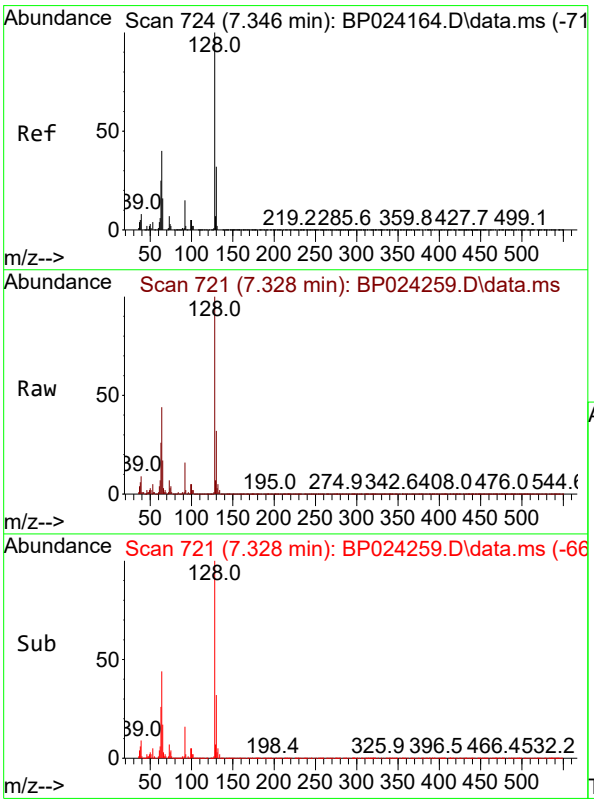
Ion	Ratio	Lower	Upper
99	100		
42	13.3	10.6	16.0
71	29.6	23.3	34.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

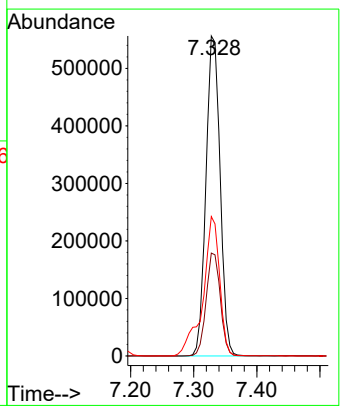
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

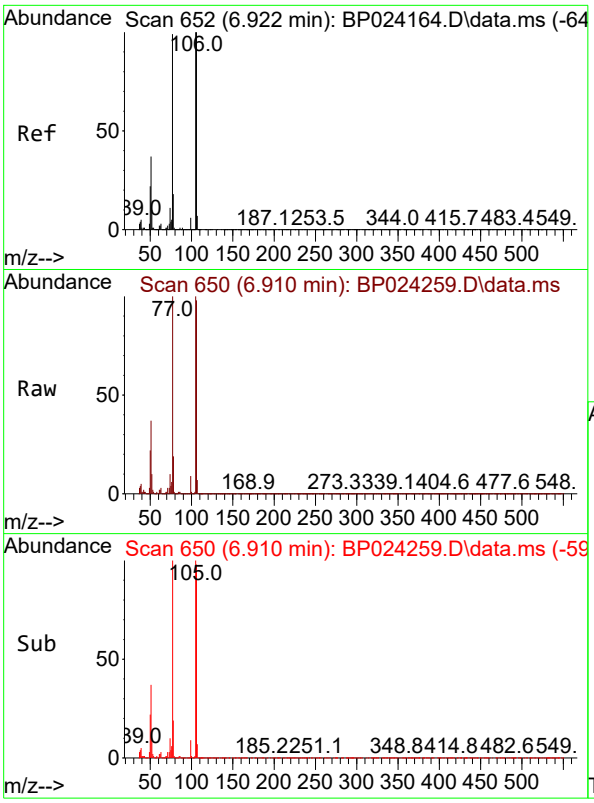


#8
2-Chlorophenol
Concen: 40.913 ng
RT: 7.328 min Scan# 721
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:128 Resp: 865217

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.0	52.0
64	43.6	21.6	61.6

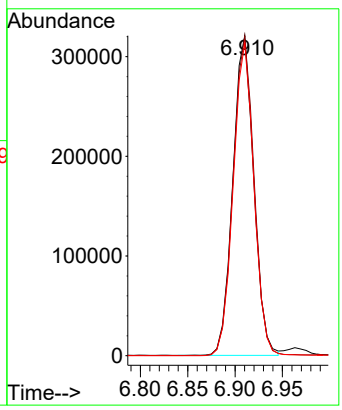




#9
Benzaldehyde
Concen: 38.882 ng
RT: 6.910 min Scan# 6
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion: 77 Resp: 49126

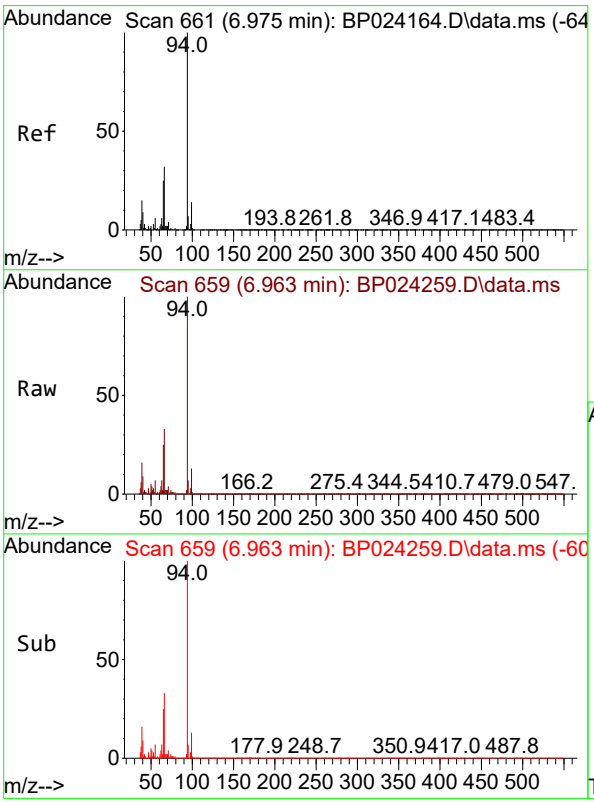
Ion	Ratio	Lower	Upper
77	100		
105	99.9	81.4	121.4
106	97.7	81.1	121.1



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

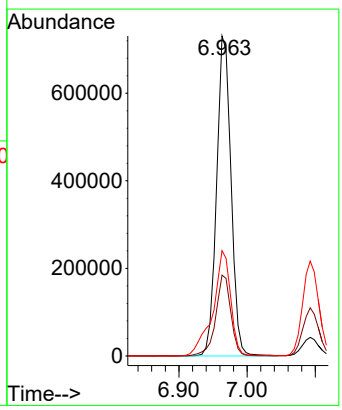
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

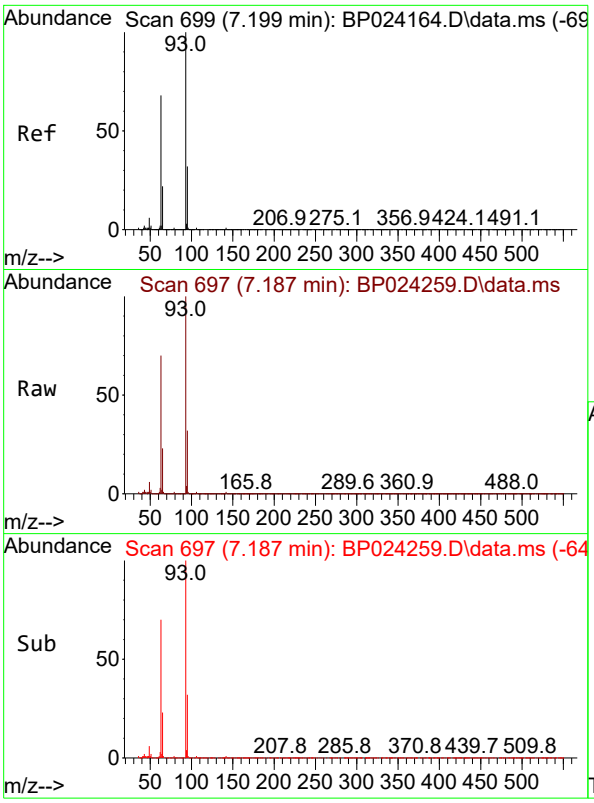


#10
Phenol
Concen: 40.708 ng
RT: 6.963 min Scan# 659
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion: 94 Resp: 1075930

Ion	Ratio	Lower	Upper
94	100		
65	25.2	4.9	44.9
66	32.9	11.9	51.9

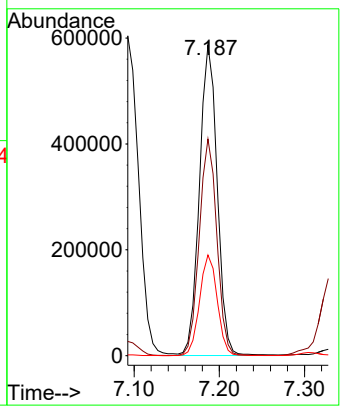




#11
bis(2-Chloroethyl)ether
Concen: 40.818 ng
RT: 7.187 min Scan# 6
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion: 93 Resp: 85077

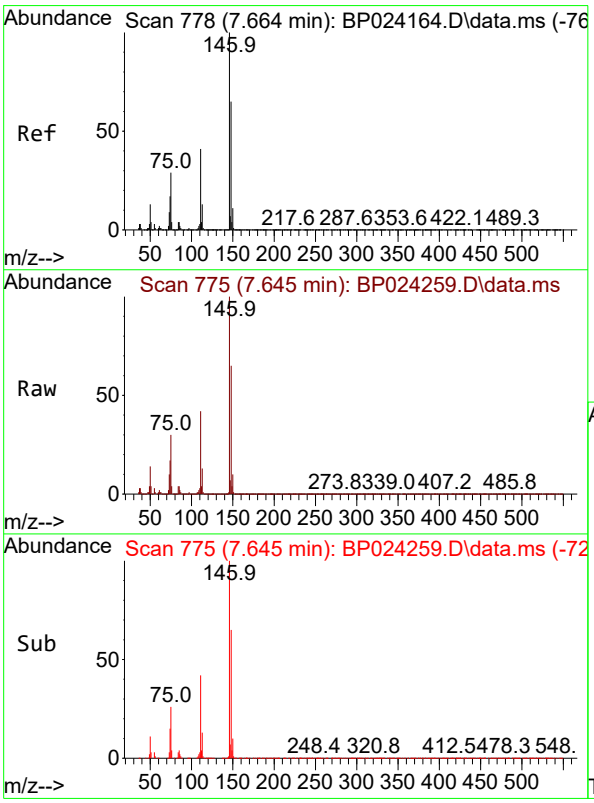
Ion	Ratio	Lower	Upper
93	100		
63	69.8	47.4	87.4
95	32.4	12.1	52.1



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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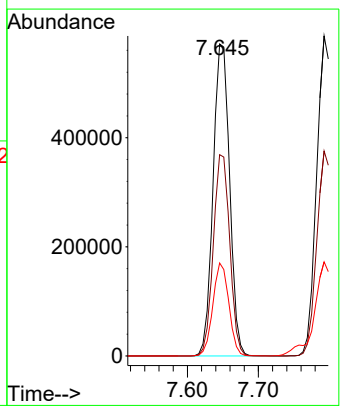
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

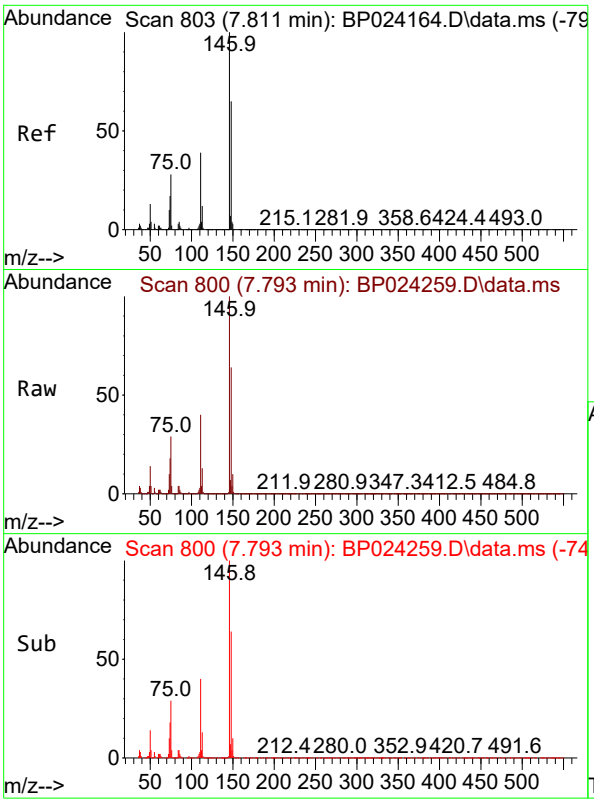


#12
1,3-Dichlorobenzene
Concen: 40.415 ng
RT: 7.645 min Scan# 775
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:146 Resp: 921673

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.6	77.4
75	29.8	22.8	34.2





#13
1,4-Dichlorobenzene
Concen: 39.966 ng
RT: 7.793 min Scan# 8
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

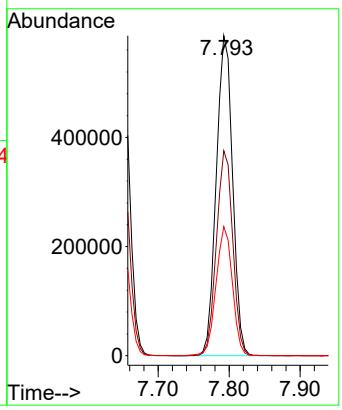
Tgt Ion:146 Resp: 93061

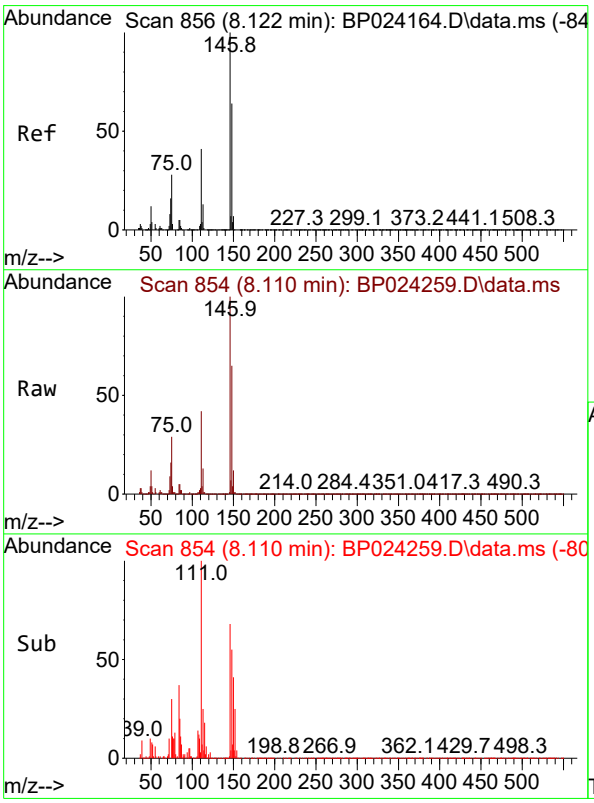
Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.9	77.9
111	40.4	31.4	47.2

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

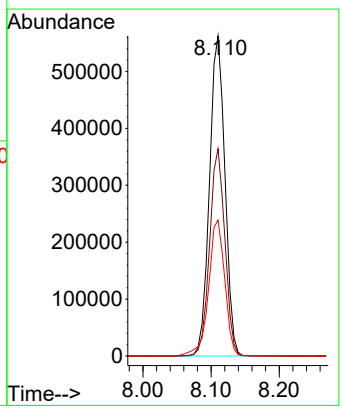


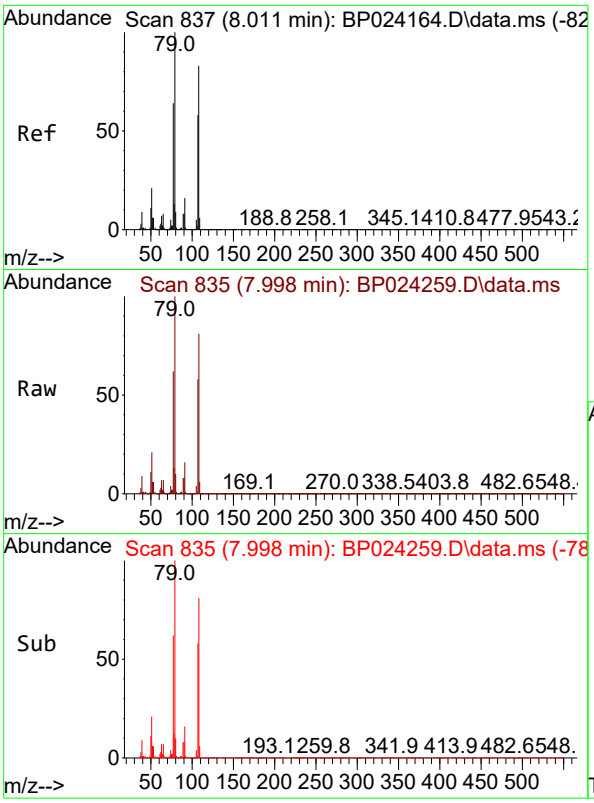


#14
1,2-Dichlorobenzene
Concen: 39.691 ng
RT: 8.110 min Scan# 854
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:146 Resp: 886890

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.4	77.2
111	42.4	33.2	49.8

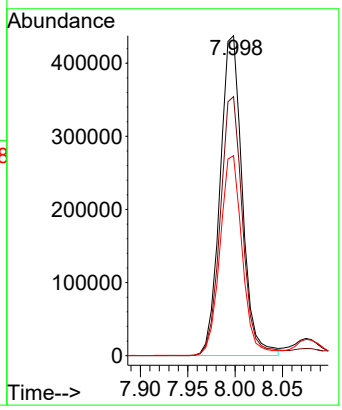




#15
Benzyl Alcohol
Concen: 43.039 ng
RT: 7.998 min Scan# 8
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion: 79 Resp: 71339

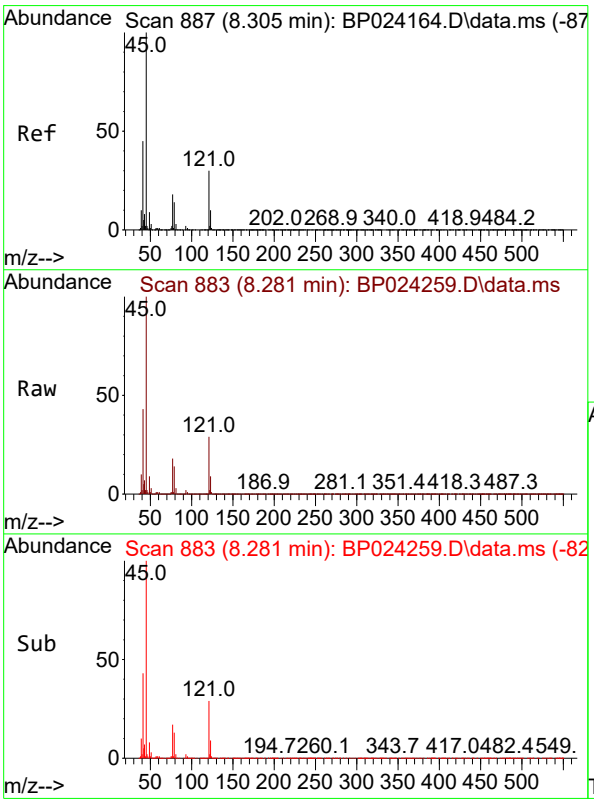
Ion	Ratio	Lower	Upper
79	100		
108	80.9	66.5	99.7
77	62.5	50.9	76.3



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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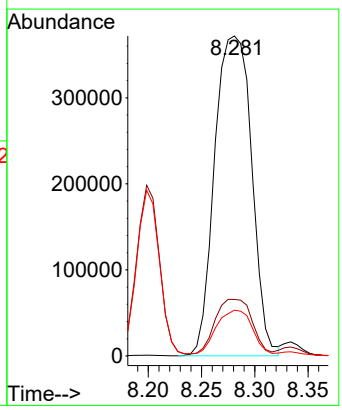
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

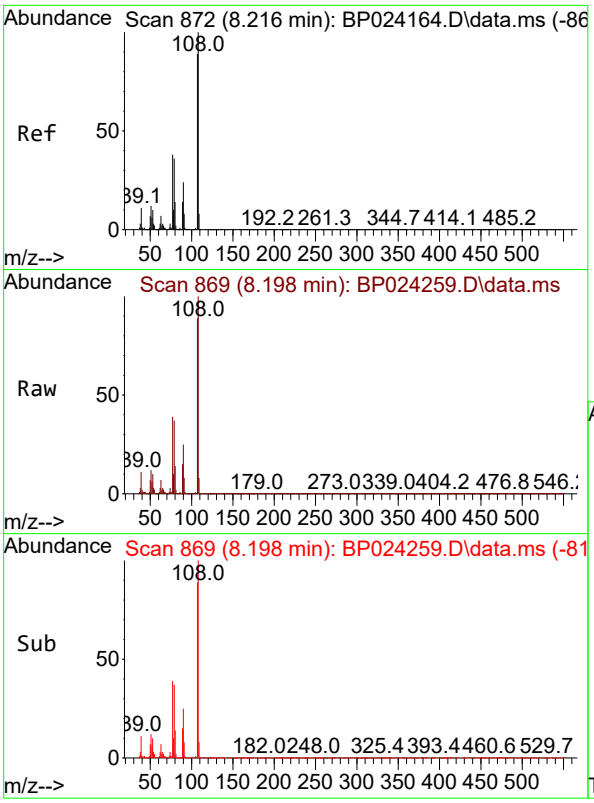


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.197 ng
RT: 8.281 min Scan# 883
Delta R.T. 0.018 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion: 45 Resp: 897651

Ion	Ratio	Lower	Upper
45	100		
77	17.6	0.0	39.0
79	14.3	0.0	35.6





#17
2-Methylphenol
Concen: 41.497 ng
RT: 8.198 min Scan# 8
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

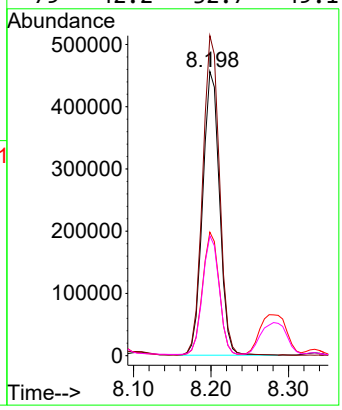
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

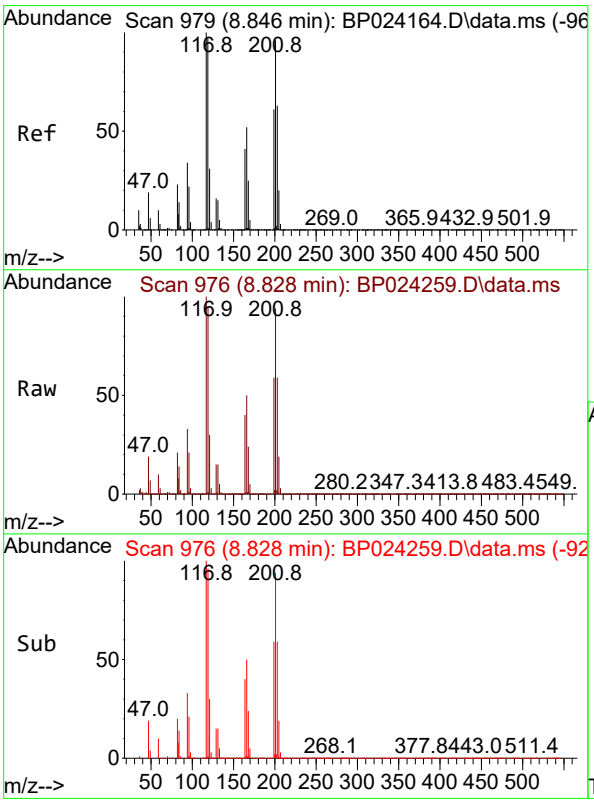
Tgt Ion:107 Resp: 68777

Ion	Ratio	Lower	Upper
107	100		
108	112.6	90.0	135.0
77	43.5	34.0	51.0
79	42.2	32.7	49.1

Manual Integrations
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Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

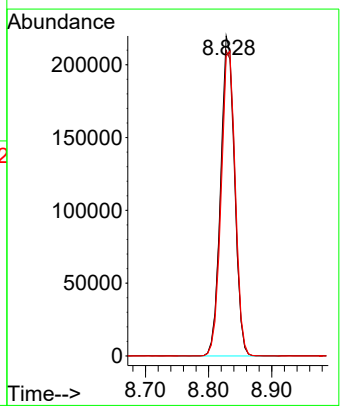


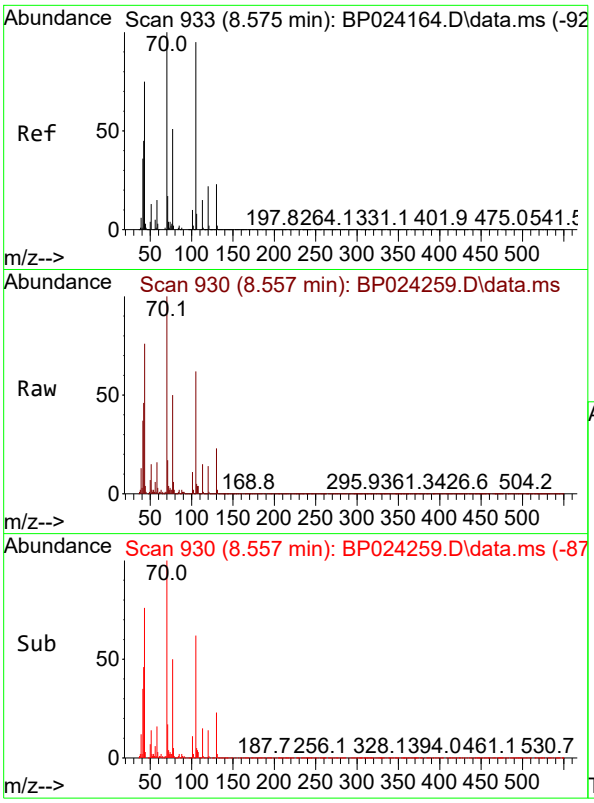


#18
Hexachloroethane
Concen: 41.079 ng
RT: 8.828 min Scan# 976
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:117 Resp: 339362

Ion	Ratio	Lower	Upper
117	100		
119	95.5	77.4	116.0
201	93.6	76.6	114.8





#19
n-Nitroso-di-n-propylamine
Concen: 42.243 ng
RT: 8.557 min Scan# 9
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

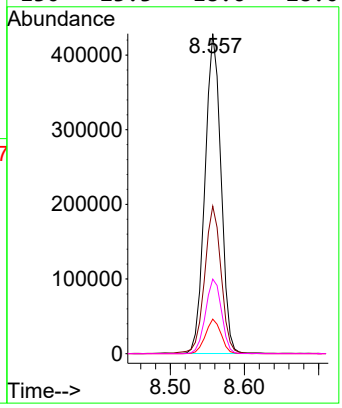
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

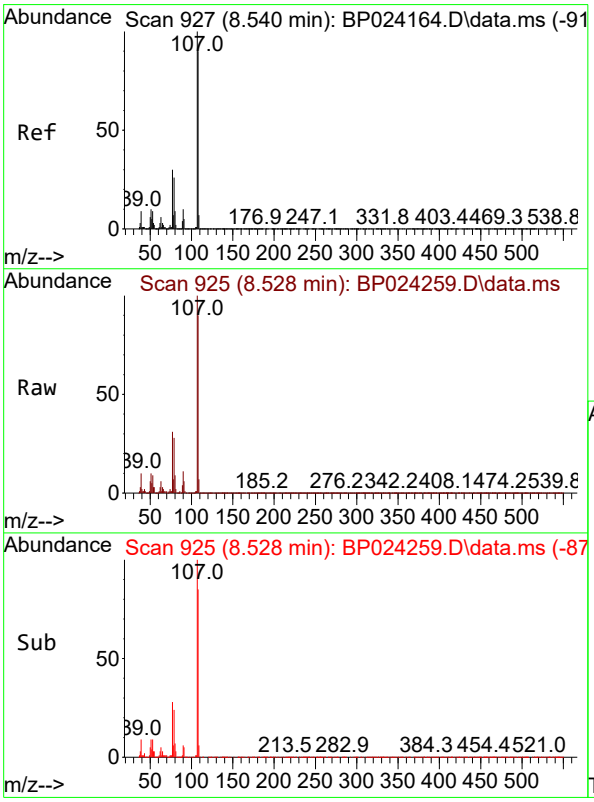
Tgt Ion: 70 Resp: 64164

Ion	Ratio	Lower	Upper
70	100		
42	46.1	36.0	54.0
101	10.8	8.3	12.5
130	23.3	18.6	28.0

Manual Integrations
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Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

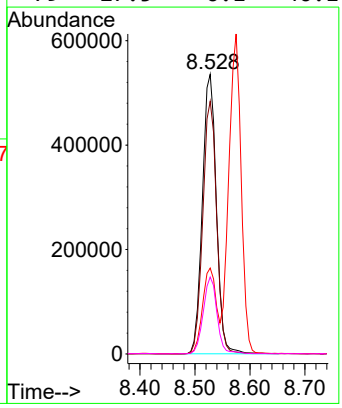


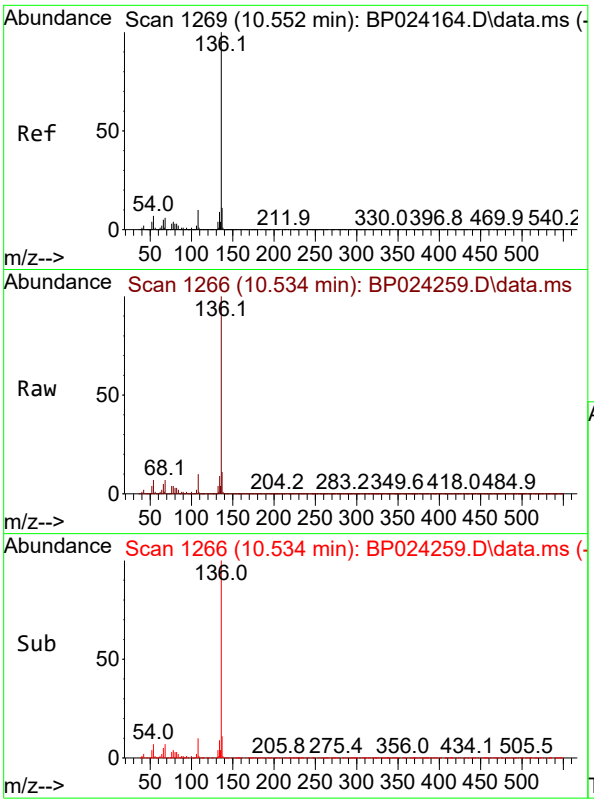


#20
3+4-Methylphenols
Concen: 41.480 ng
RT: 8.528 min Scan# 925
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:107 Resp: 944524

Ion	Ratio	Lower	Upper
107	100		
108	90.3	69.7	109.7
77	30.7	10.3	50.3
79	27.5	6.1	46.1

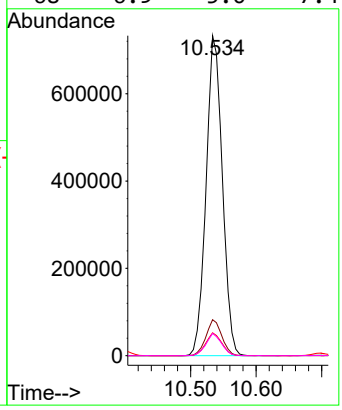




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.534 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:136 Resp: 126466

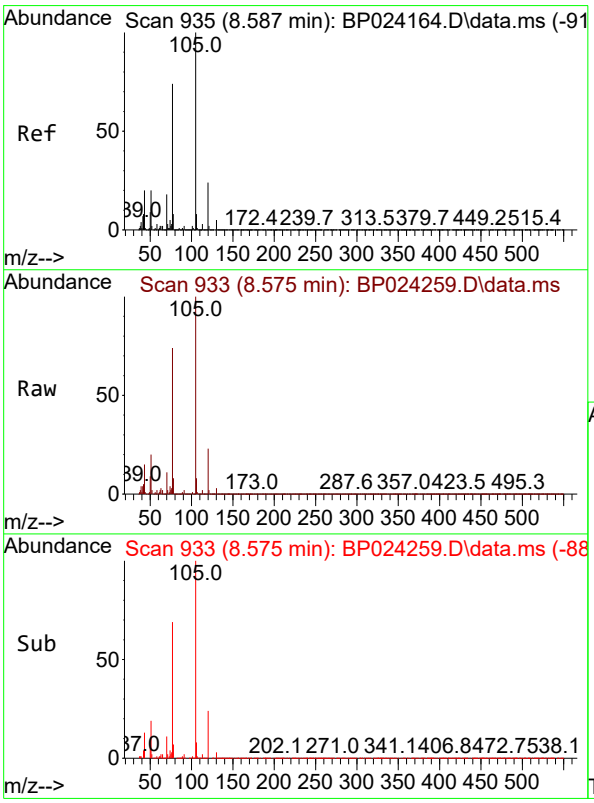
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	7.1	5.3	7.9
68	6.9	5.0	7.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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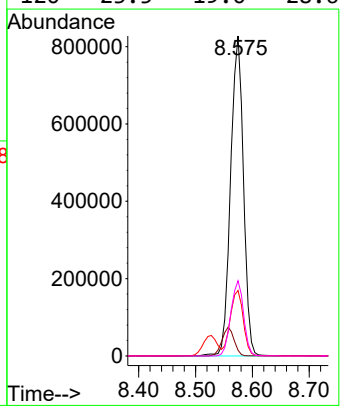
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

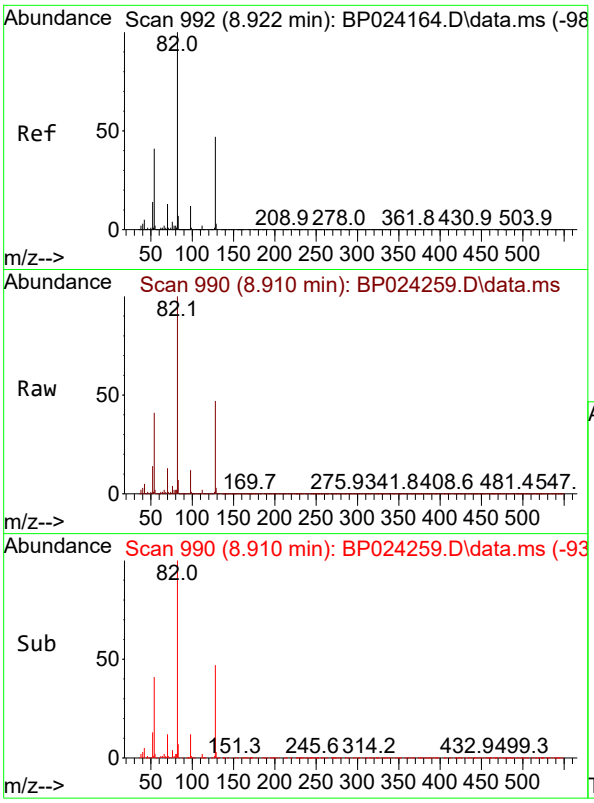


#22
Acetophenone
Concen: 40.597 ng
RT: 8.575 min Scan# 933
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:105 Resp: 1298008

Ion	Ratio	Lower	Upper
105	100		
71	1.8	2.4	3.6#
51	20.5	16.2	24.2
120	23.5	19.0	28.6





#23
Nitrobenzene-d5
Concen: 83.710 ng
RT: 8.910 min Scan# 9
Delta R.T. 0.018 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

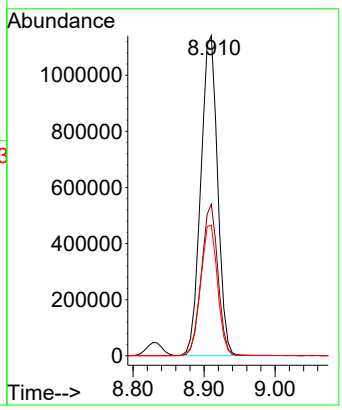
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

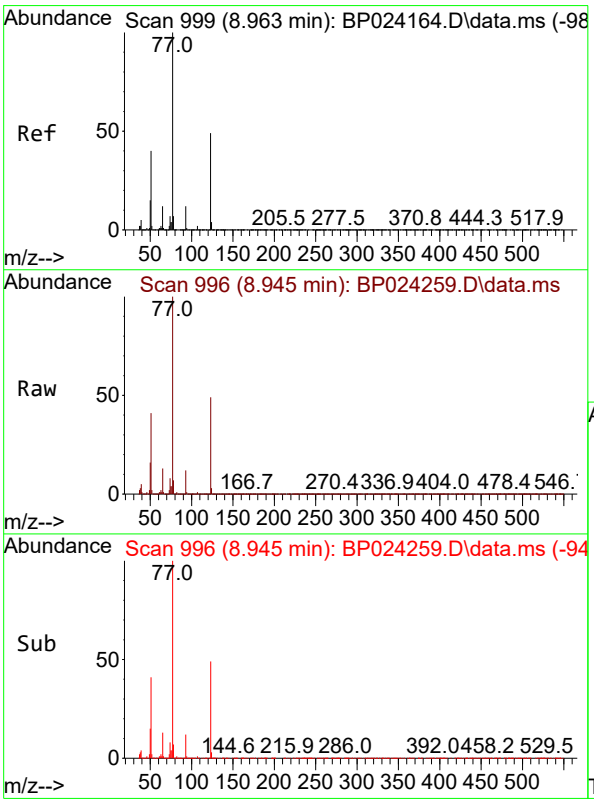
Tgt Ion: 82 Resp: 187634

Ion	Ratio	Lower	Upper
82	100		
128	47.4	37.4	56.0
54	40.8	32.5	48.7

Manual Integrations
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Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

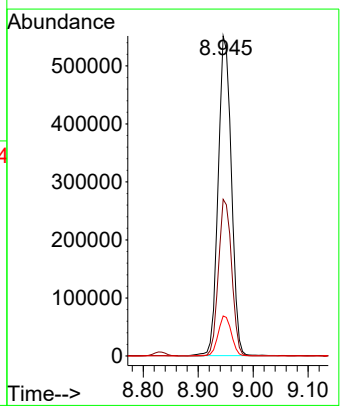


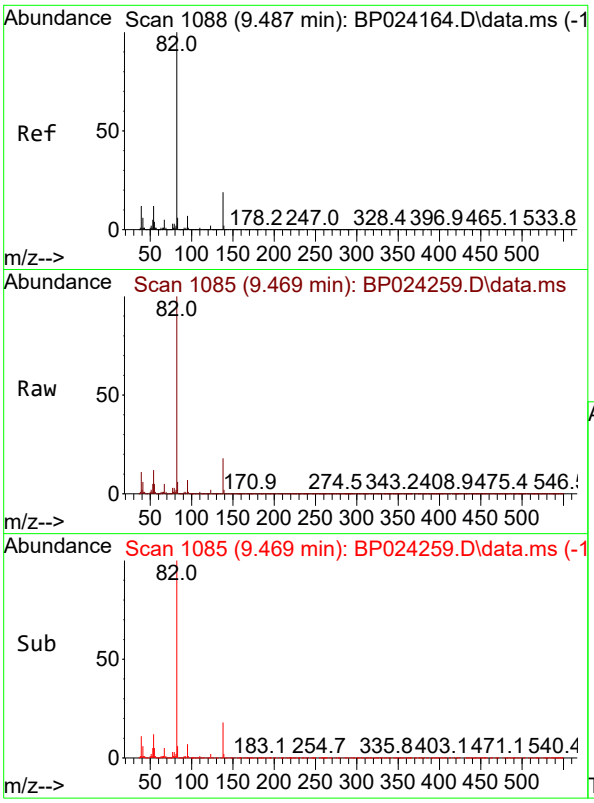


#24
Nitrobenzene
Concen: 41.580 ng
RT: 8.945 min Scan# 996
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion: 77 Resp: 919422

Ion	Ratio	Lower	Upper
77	100		
123	49.0	39.4	59.2
65	12.5	9.9	14.9

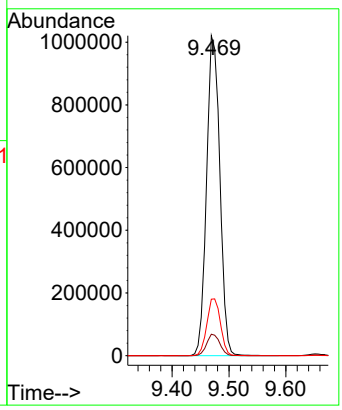




#25
Isophorone
Concen: 42.931 ng
RT: 9.469 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion: 82 Resp: 164952

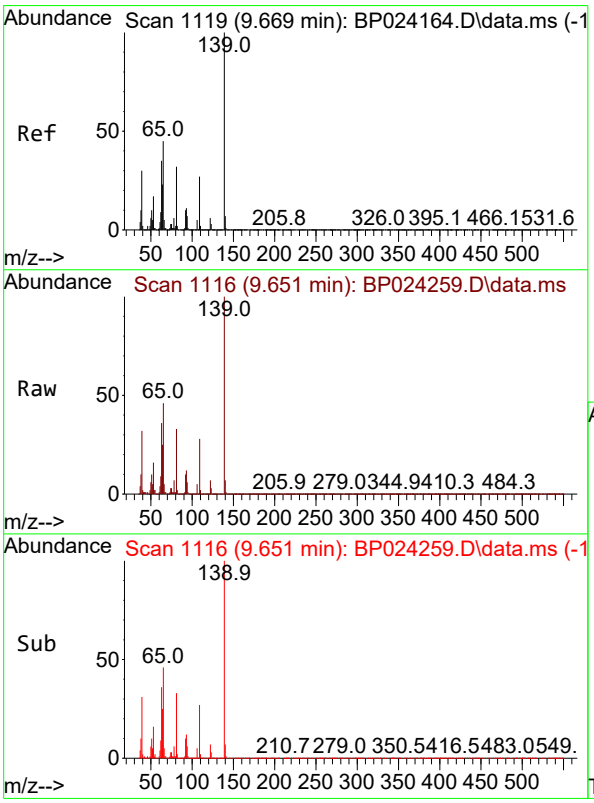
Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.3	7.9
138	17.6	14.8	22.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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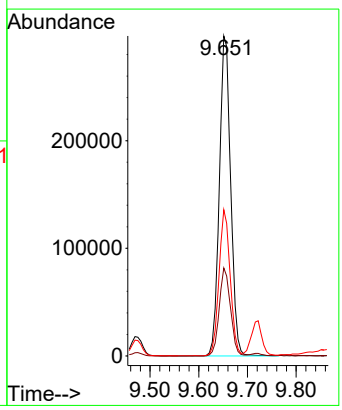
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

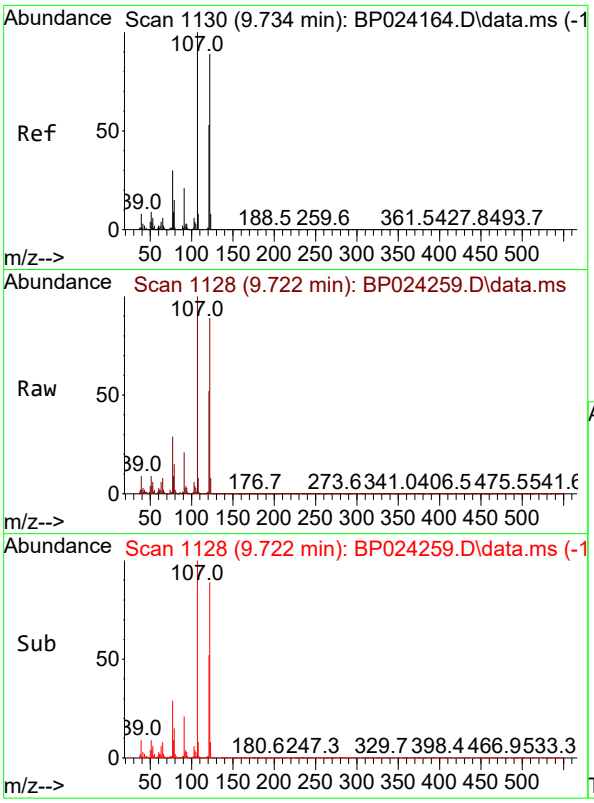


#26
2-Nitrophenol
Concen: 45.579 ng
RT: 9.651 min Scan# 1116
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:139 Resp: 481417

Ion	Ratio	Lower	Upper
139	100		
109	27.5	21.7	32.5
65	45.7	35.8	53.8

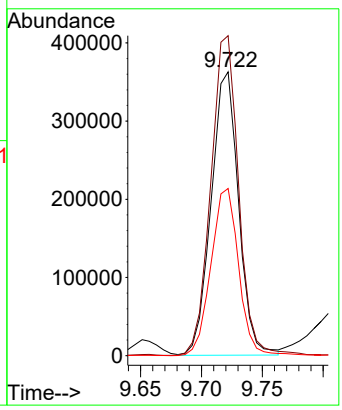




#27
2,4-Dimethylphenol
Concen: 41.809 ng
RT: 9.722 min Scan# 11
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:122 Resp: 56783

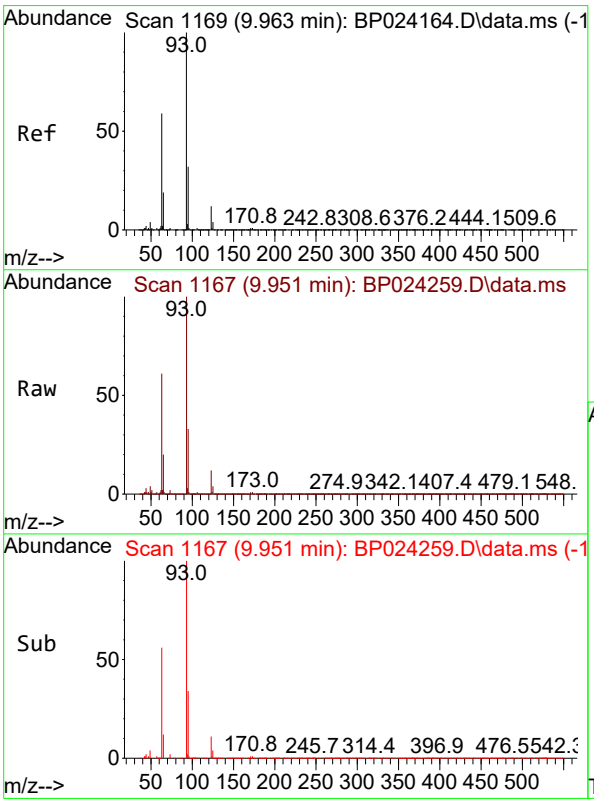
Ion	Ratio	Lower	Upper
122	100		
107	112.7	89.3	133.9
121	58.9	47.5	71.3



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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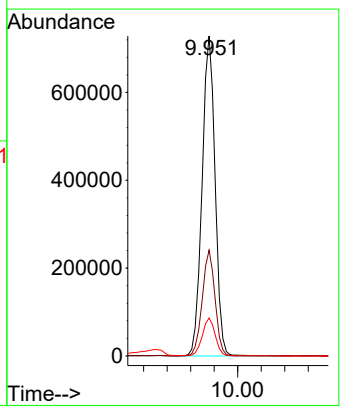
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

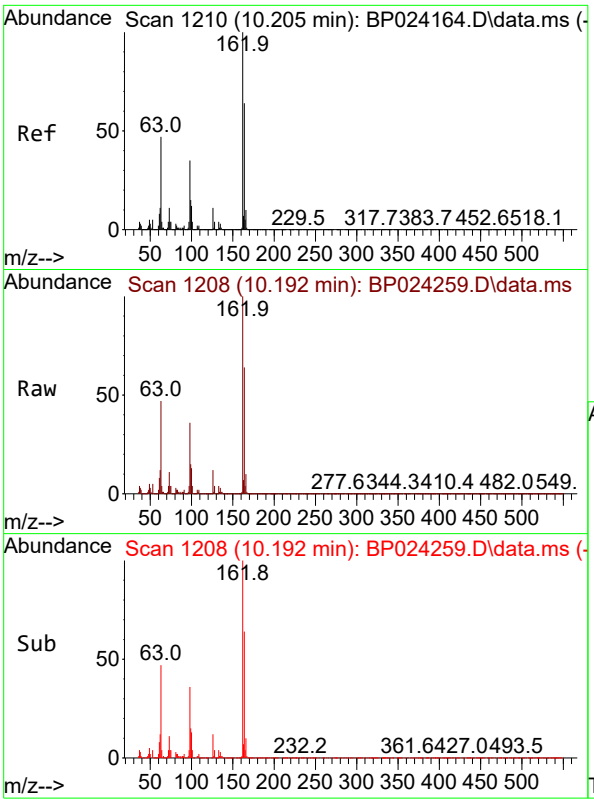


#28
bis(2-Chloroethoxy)methane
Concen: 41.465 ng
RT: 9.951 min Scan# 1167
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion: 93 Resp: 1120826

Ion	Ratio	Lower	Upper
93	100		
95	33.1	25.9	38.9
123	11.9	9.5	14.3

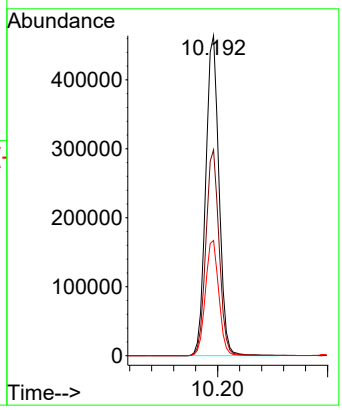




#29
2,4-Dichlorophenol
Concen: 42.257 ng
RT: 10.192 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:162 Resp: 77638

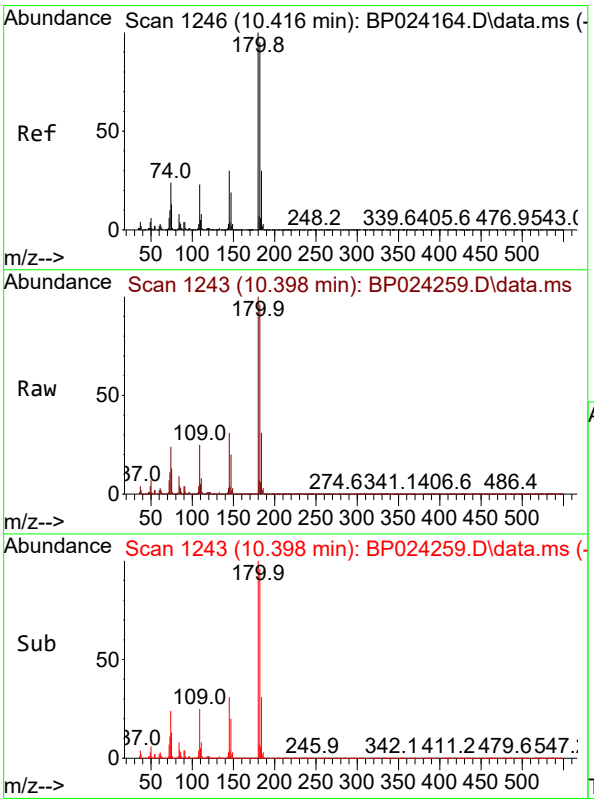
Ion	Ratio	Lower	Upper
162	100		
164	64.4	44.2	84.2
98	36.0	15.1	55.1



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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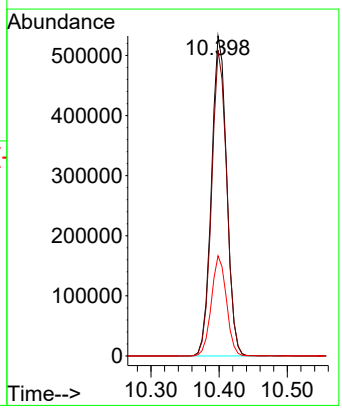
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

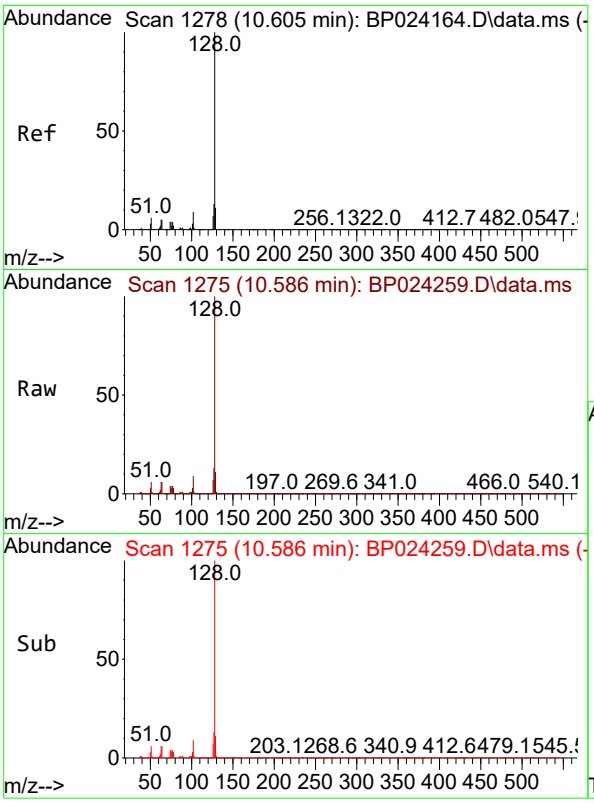


#30
1,2,4-Trichlorobenzene
Concen: 40.668 ng
RT: 10.398 min Scan# 1243
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:180 Resp: 825513

Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.1	114.1
145	31.3	24.2	36.2

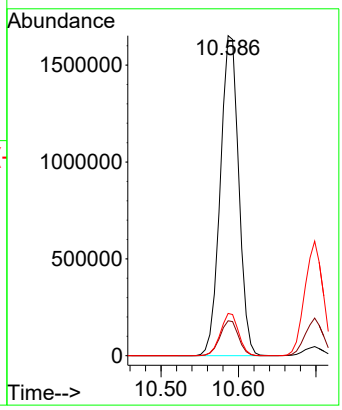




#31
Naphthalene
Concen: 40.751 ng
RT: 10.586 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:128 Resp: 273186

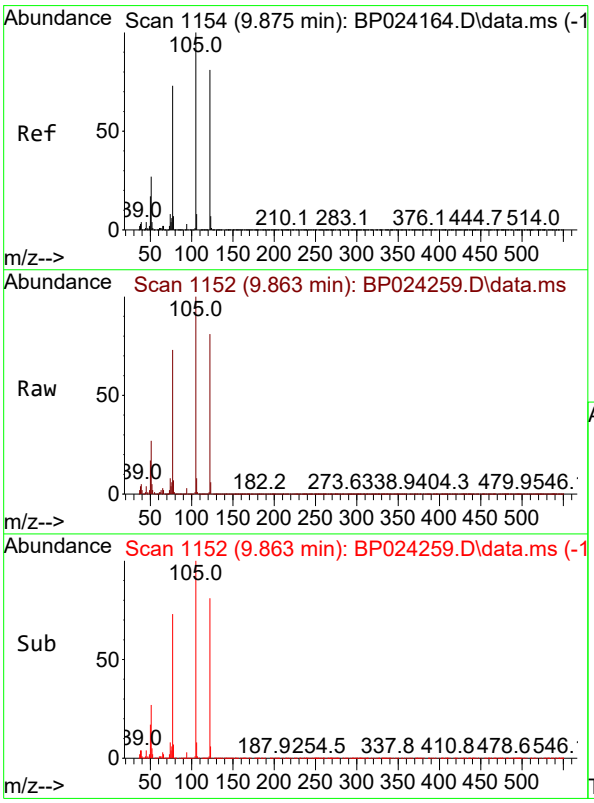
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.2	10.4	15.6



Instrument :
BNA_P
ClientSampleId :
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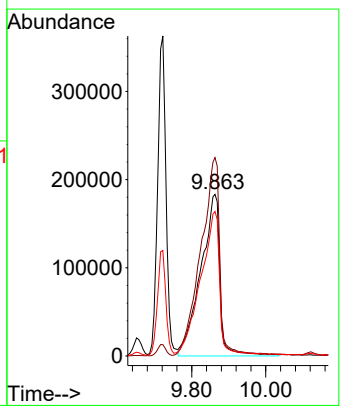
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

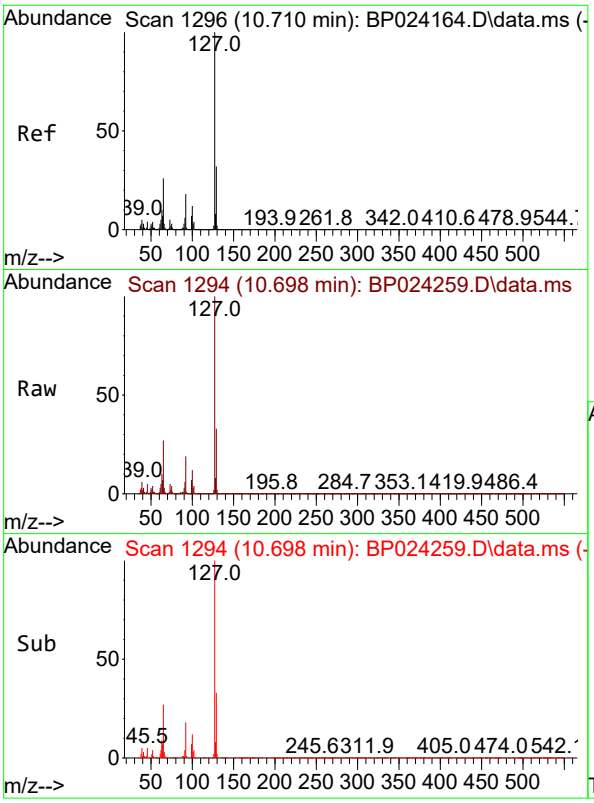


#32
Benzoic acid
Concen: 49.957 ng m
RT: 9.863 min Scan# 1152
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:122 Resp: 661716

Ion	Ratio	Lower	Upper
122	100		
105	122.8	100.3	140.3
77	89.4	69.1	109.1

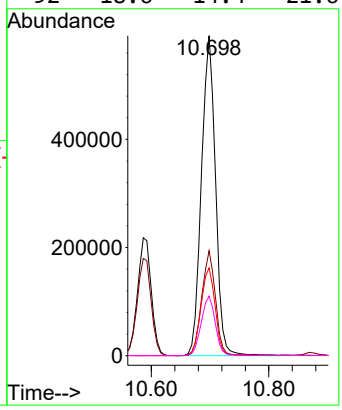




#33
4-Chloroaniline
Concen: 40.916 ng
RT: 10.698 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:127 Resp: 98161

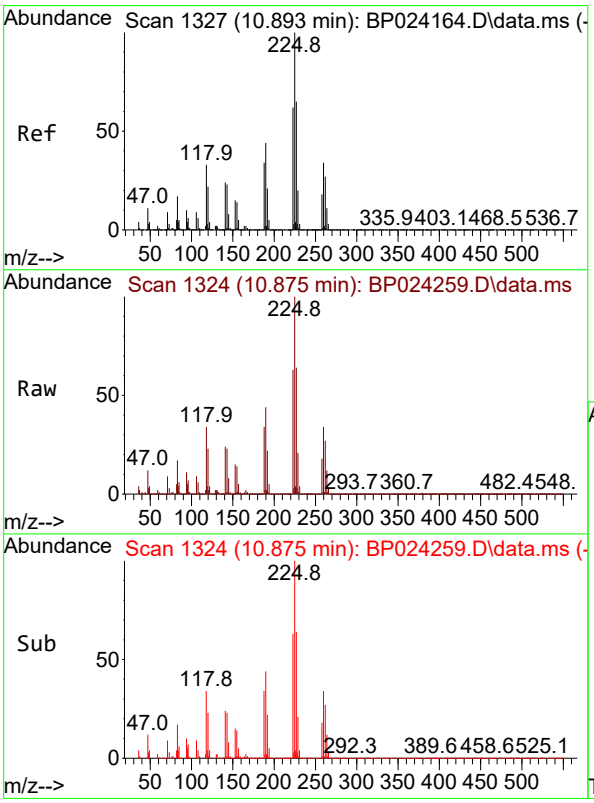
Ion	Ratio	Lower	Upper
127	100		
129	32.8	25.8	38.6
65	27.4	21.2	31.8
92	18.6	14.4	21.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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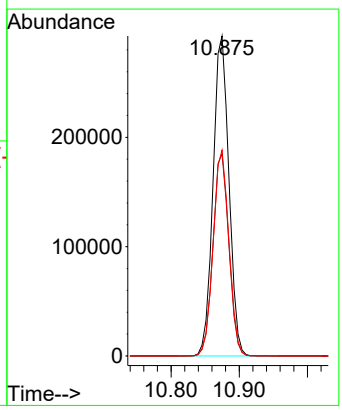
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

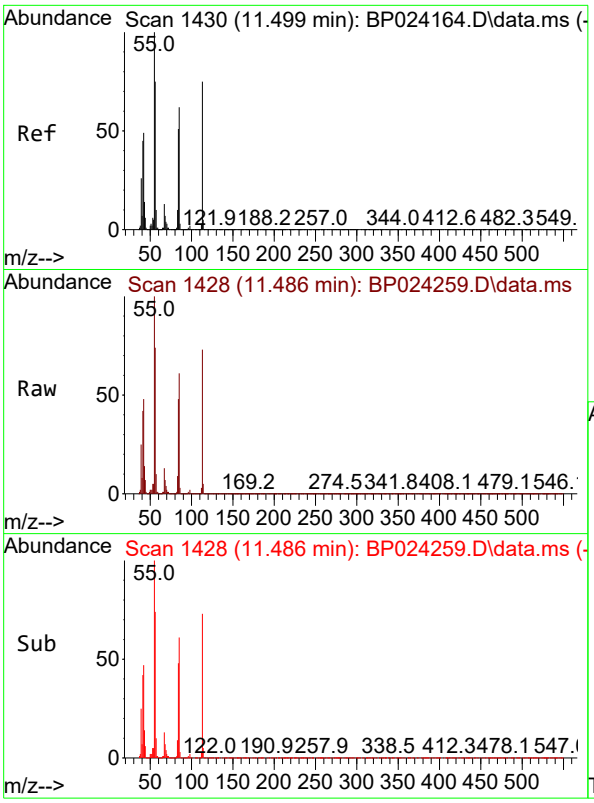


#34
Hexachlorobutadiene
Concen: 40.556 ng
RT: 10.875 min Scan# 1324
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:225 Resp: 473791

Ion	Ratio	Lower	Upper
225	100		
223	63.2	49.9	74.9
227	64.3	52.2	78.2





#35
Caprolactam
Concen: 44.371 ng
RT: 11.486 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

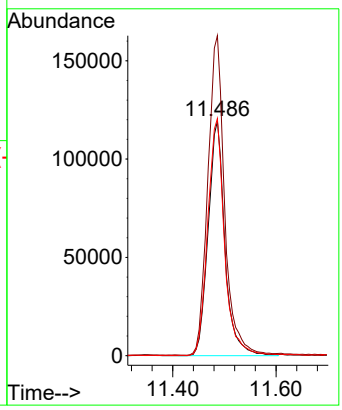
Tgt Ion:113 Resp: 26717

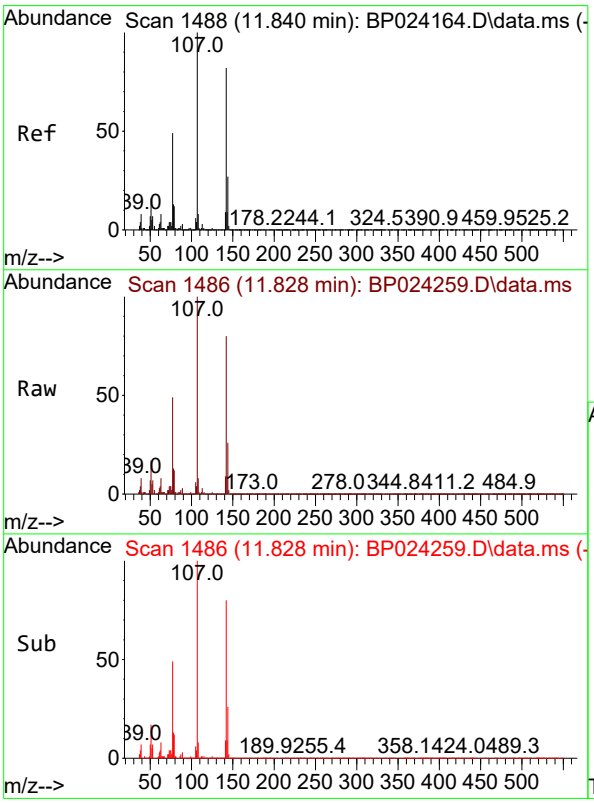
Ion	Ratio	Lower	Upper
113	100		
55	136.3	113.6	153.6
56	101.0	80.0	120.0

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

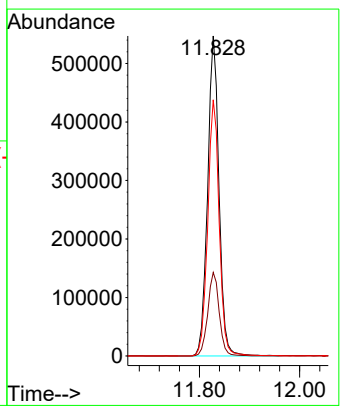


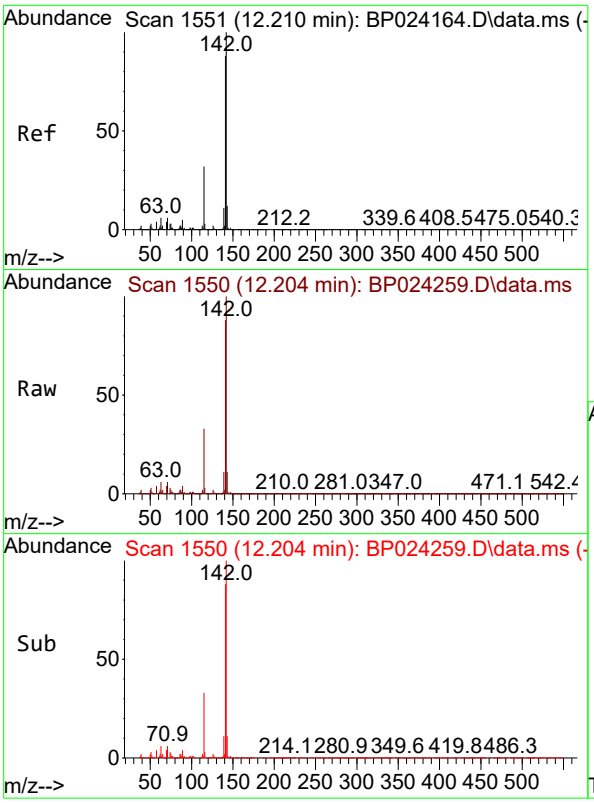


#36
4-Chloro-3-methylphenol
Concen: 43.522 ng
RT: 11.828 min Scan# 1486
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:107 Resp: 862616

Ion	Ratio	Lower	Upper
107	100		
144	26.1	21.6	32.4
142	80.0	65.4	98.0

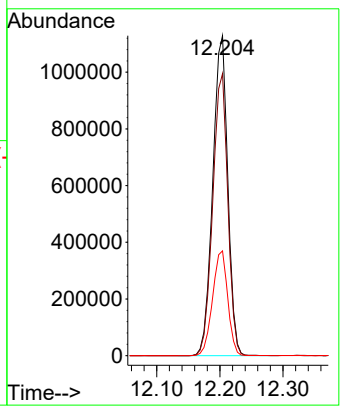




#37
2-Methylnaphthalene
Concen: 41.045 ng
RT: 12.204 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:142 Resp: 185890

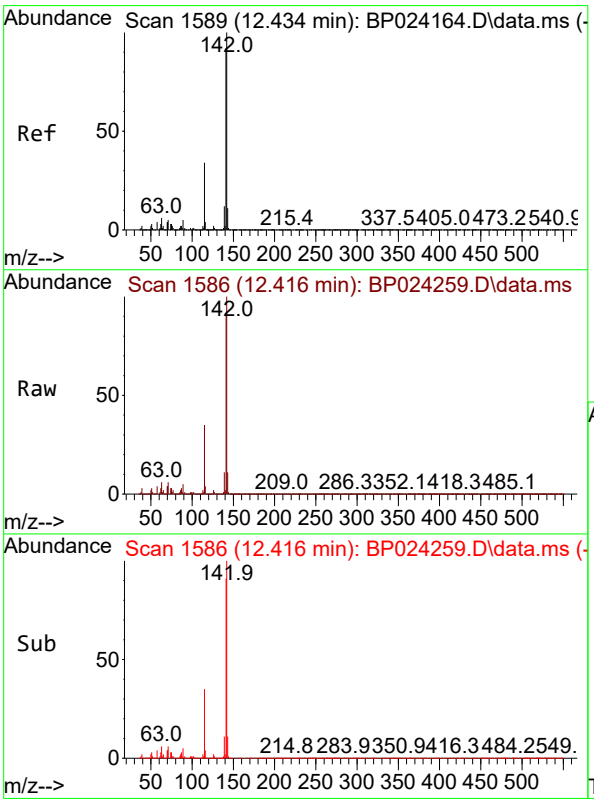
Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.3	105.5
115	32.7	26.0	39.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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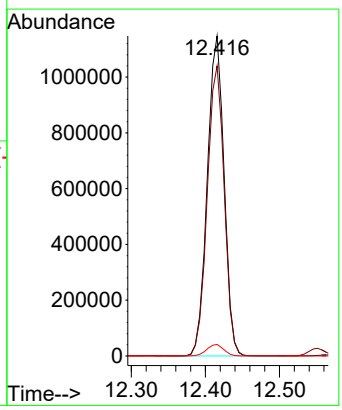
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

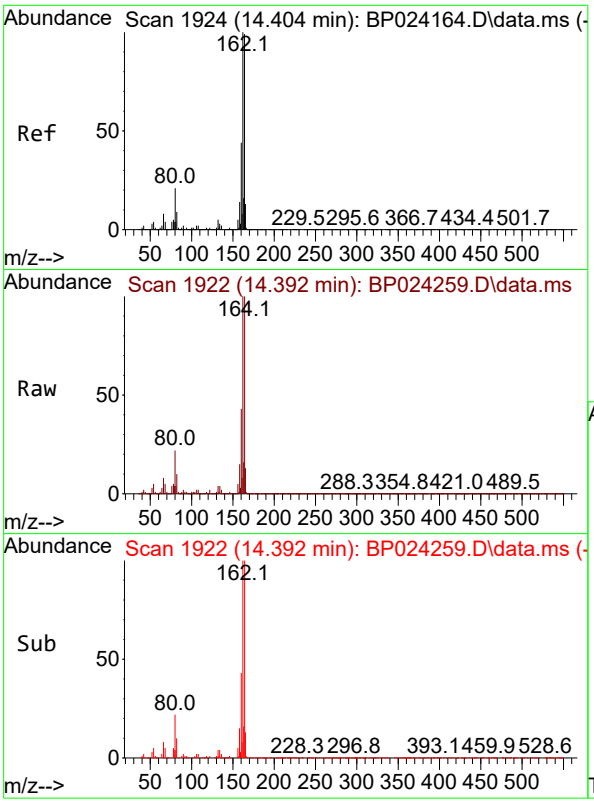


#38
1-Methylnaphthalene
Concen: 40.926 ng
RT: 12.416 min Scan# 1586
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:142 Resp: 1802806

Ion	Ratio	Lower	Upper
142	100		
141	90.6	73.9	110.9
116	3.6	2.8	4.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

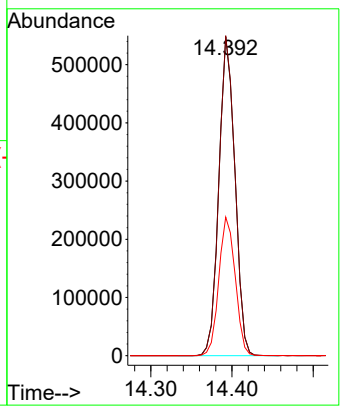
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

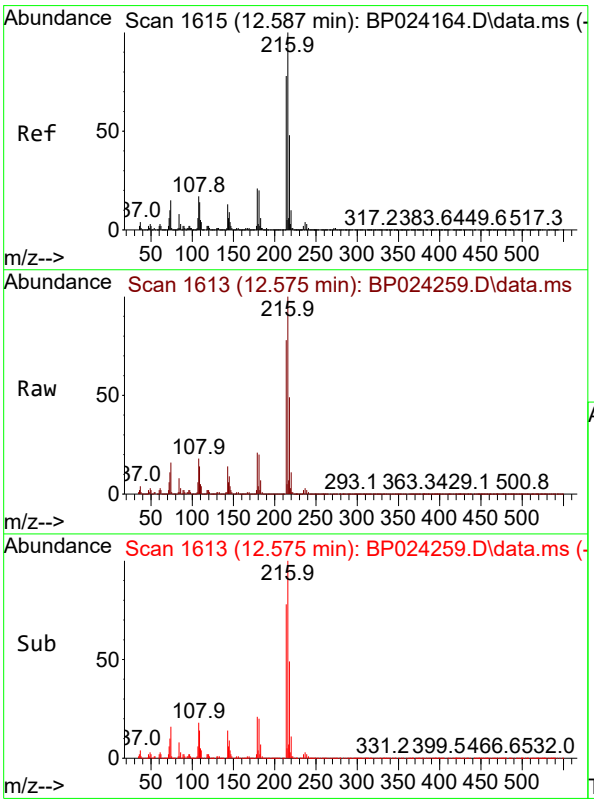
Tgt Ion:164 Resp: 754959

Ion	Ratio	Lower	Upper
164	100		
162	100.4	80.6	121.0
160	43.5	35.4	53.2

Manual Integrations
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Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

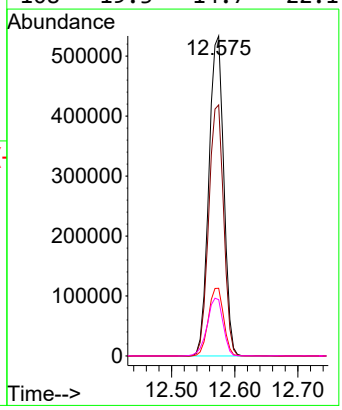


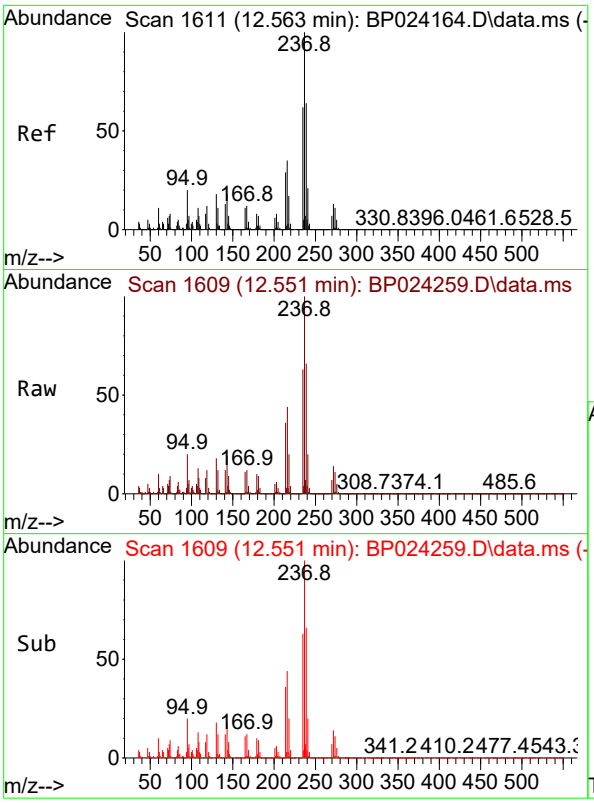


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.030 ng
RT: 12.575 min Scan# 1613
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:216 Resp: 873596

Ion	Ratio	Lower	Upper
216	100		
214	78.8	62.8	94.2
179	21.6	16.8	25.2
108	19.3	14.7	22.1





#41
Hexachlorocyclopentadiene
Concen: 42.934 ng
RT: 12.551 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

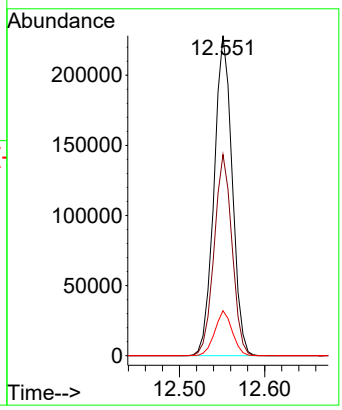
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

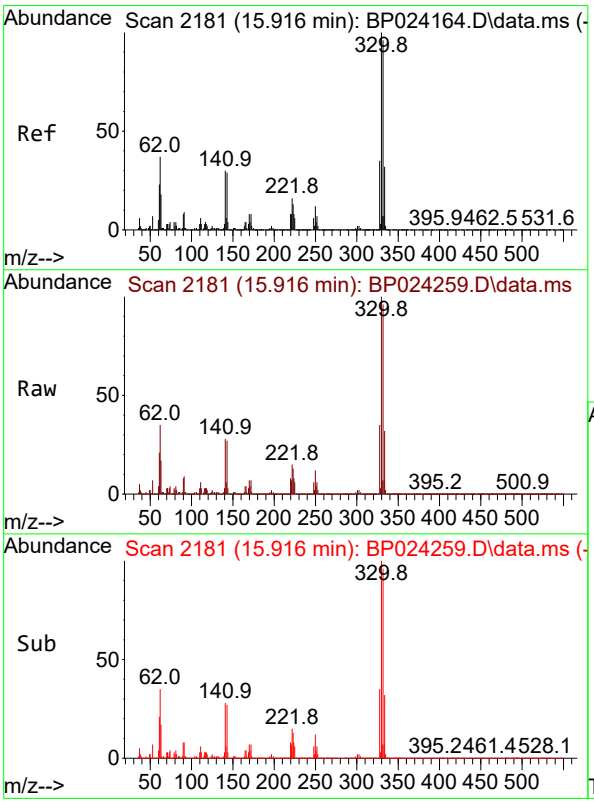
Tgt Ion:237 Resp: 33774

Ion	Ratio	Lower	Upper
237	100		
235	62.9	41.8	81.8
272	14.0	0.0	33.5

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Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

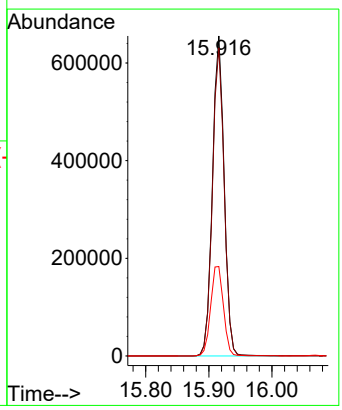


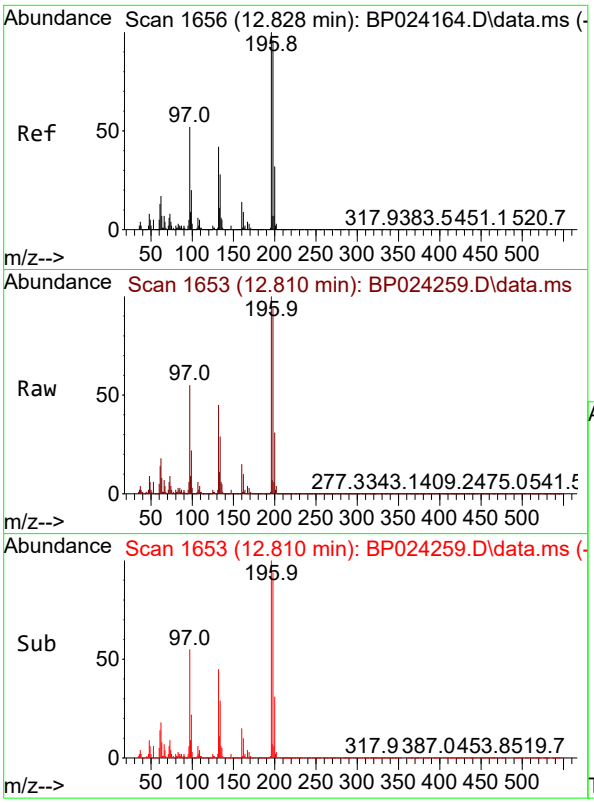


#42
2,4,6-Tribromophenol
Concen: 88.545 ng
RT: 15.916 min Scan# 2181
Delta R.T. 0.018 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:330 Resp: 842033

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.6	116.4
141	30.5	25.0	37.6

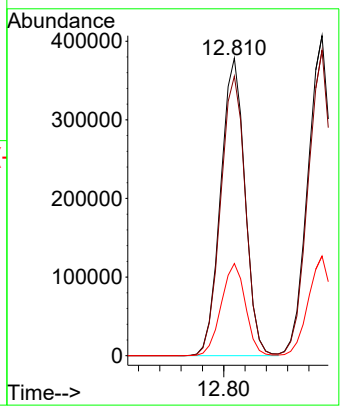




#43
2,4,6-Trichlorophenol
Concen: 43.220 ng
RT: 12.810 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:196 Resp: 59943

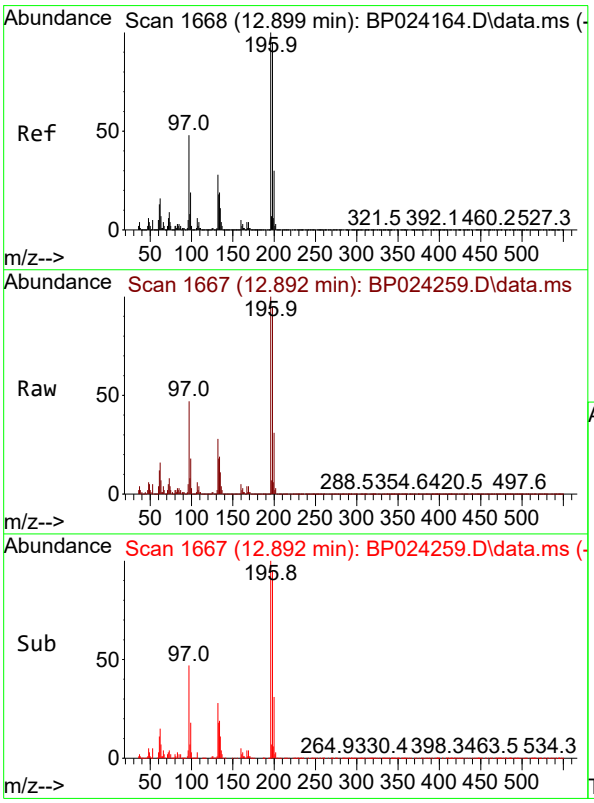
Ion	Ratio	Lower	Upper
196	100		
198	93.9	76.6	115.0
200	31.0	25.4	38.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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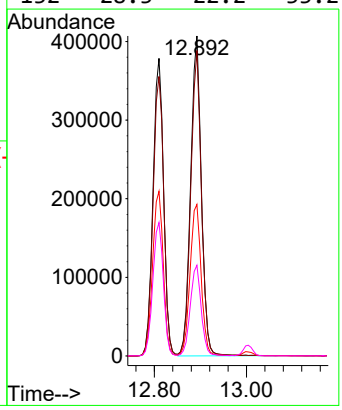
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

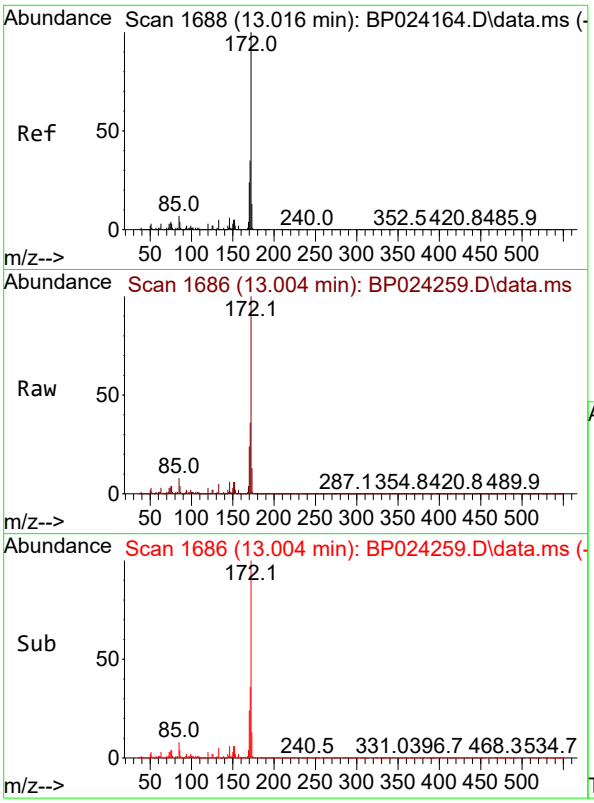


#44
2,4,5-Trichlorophenol
Concen: 43.236 ng
RT: 12.892 min Scan# 1667
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:196 Resp: 657619

Ion	Ratio	Lower	Upper
196	100		
198	95.5	76.5	114.7
97	47.4	38.7	58.1
132	28.3	22.2	33.2

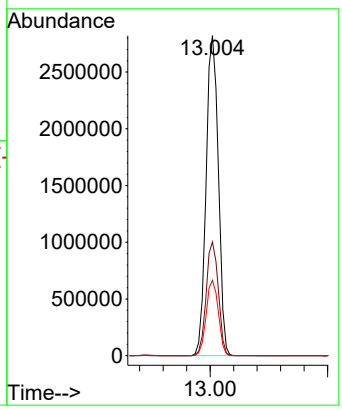




#45
2-Fluorobiphenyl
Concen: 79.486 ng
RT: 13.004 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:172 Resp: 406968

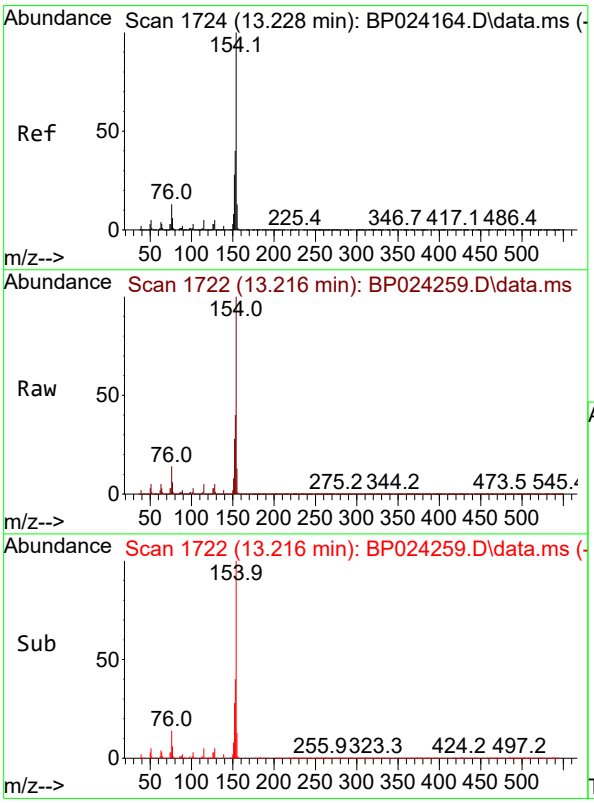
Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.3	42.5
170	23.6	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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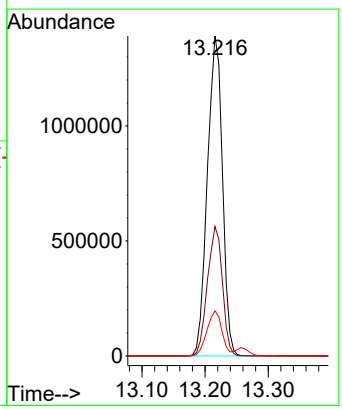
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

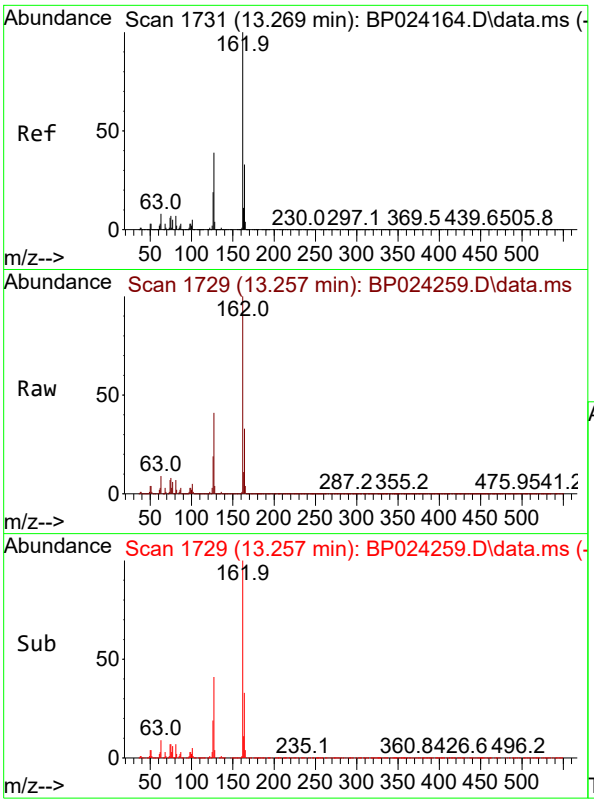


#46
1,1'-Biphenyl
Concen: 40.542 ng
RT: 13.216 min Scan# 1722
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:154 Resp: 2300015

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.3	60.3
76	14.1	0.0	32.9

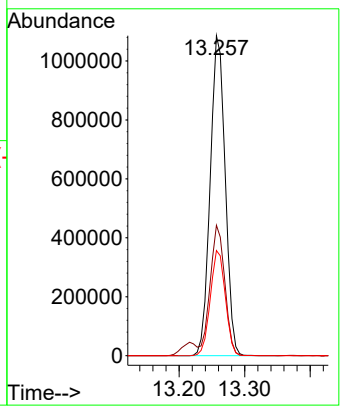




#47
2-Chloronaphthalene
Concen: 40.465 ng
RT: 13.257 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:162 Resp: 172672

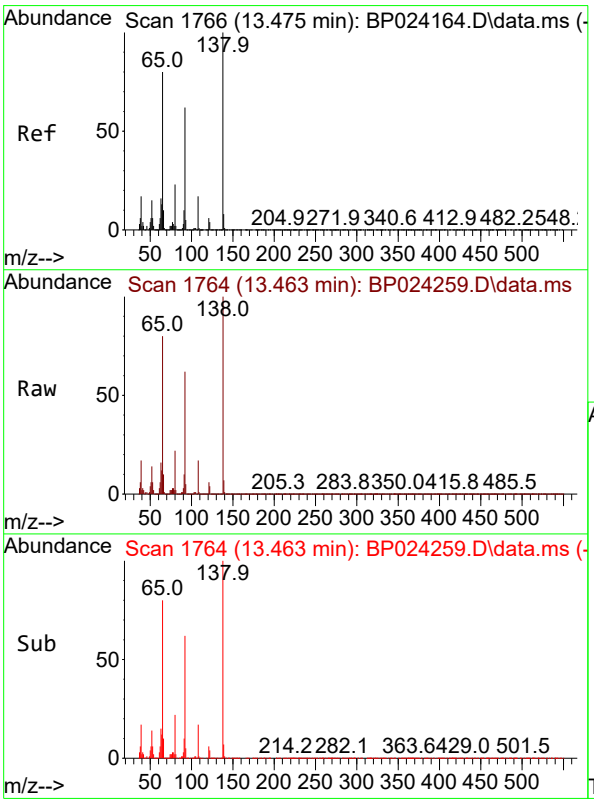
Ion	Ratio	Lower	Upper
162	100		
127	40.8	31.5	47.3
164	32.9	26.6	39.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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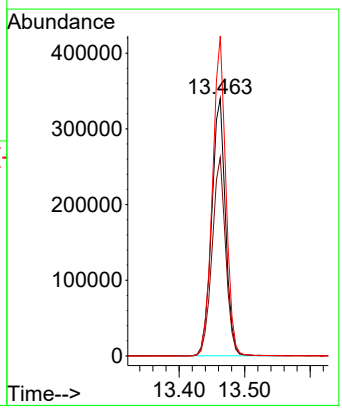
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

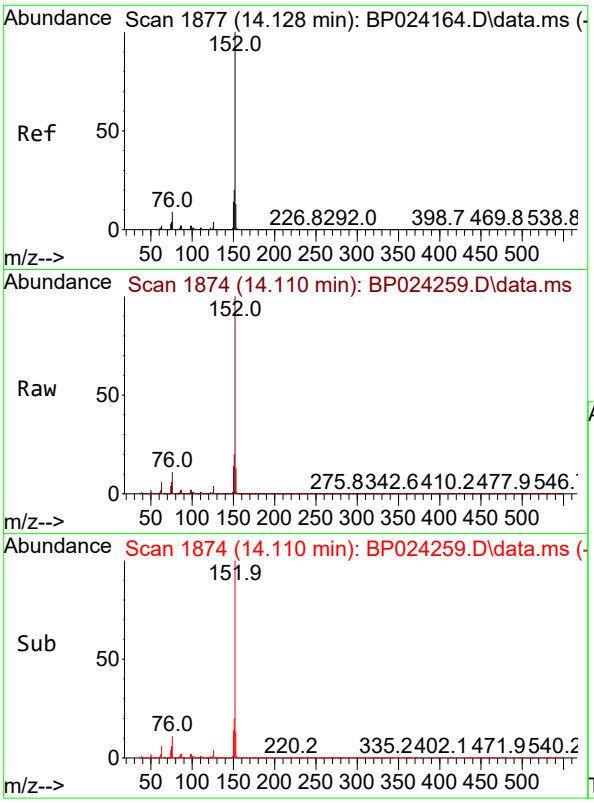


#48
2-Nitroaniline
Concen: 45.527 ng
RT: 13.463 min Scan# 1764
Delta R.T. -0.000 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion: 65 Resp: 496898

Ion	Ratio	Lower	Upper
65	100		
92	77.1	62.1	93.1
138	124.3	99.5	149.3





#49
Acenaphthylene
Concen: 41.760 ng
RT: 14.110 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

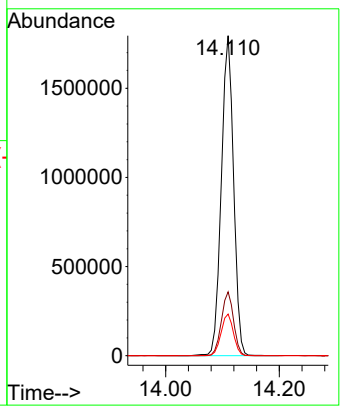
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

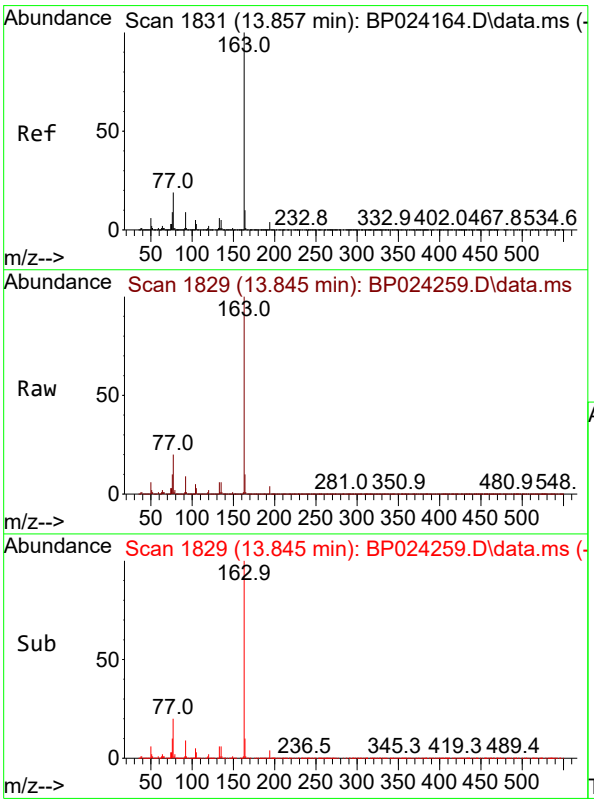
Tgt Ion:152 Resp: 269637

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	13.0	10.6	15.8

Manual Integrations
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Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

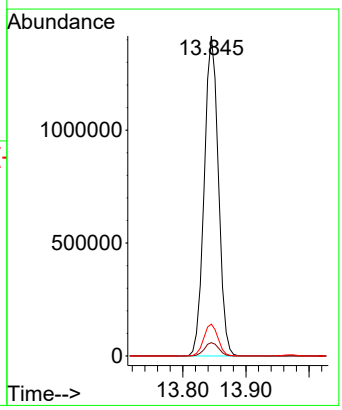


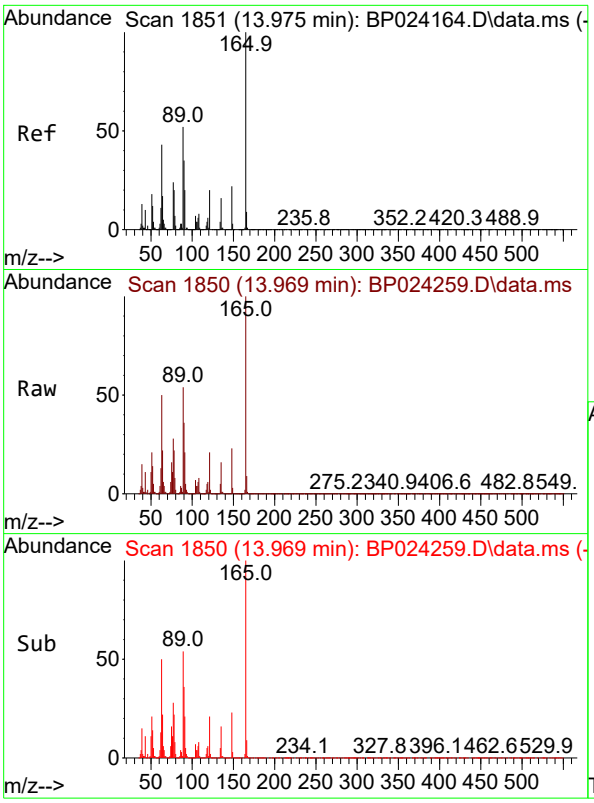


#50
Dimethylphthalate
Concen: 41.667 ng
RT: 13.845 min Scan# 1829
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:163 Resp: 2201075

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	9.9	8.2	12.4





#51
2,6-Dinitrotoluene
Concen: 43.255 ng
RT: 13.969 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

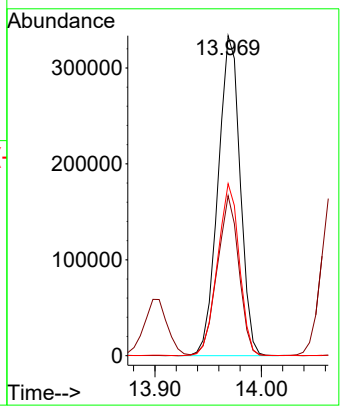
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

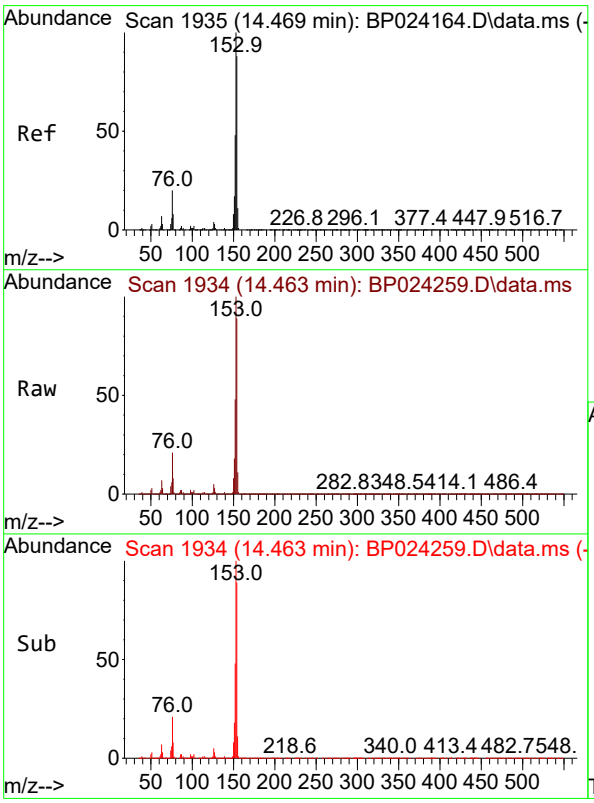
Tgt Ion:165 Resp: 48077

Ion	Ratio	Lower	Upper
165	100		
63	50.0	37.7	56.5
89	53.8	41.9	62.9

Manual Integrations
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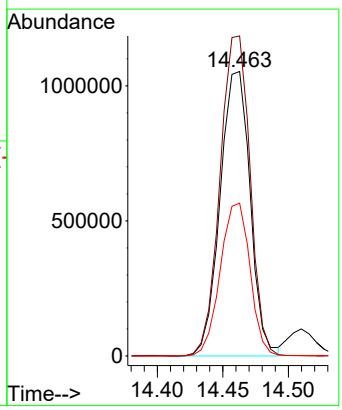


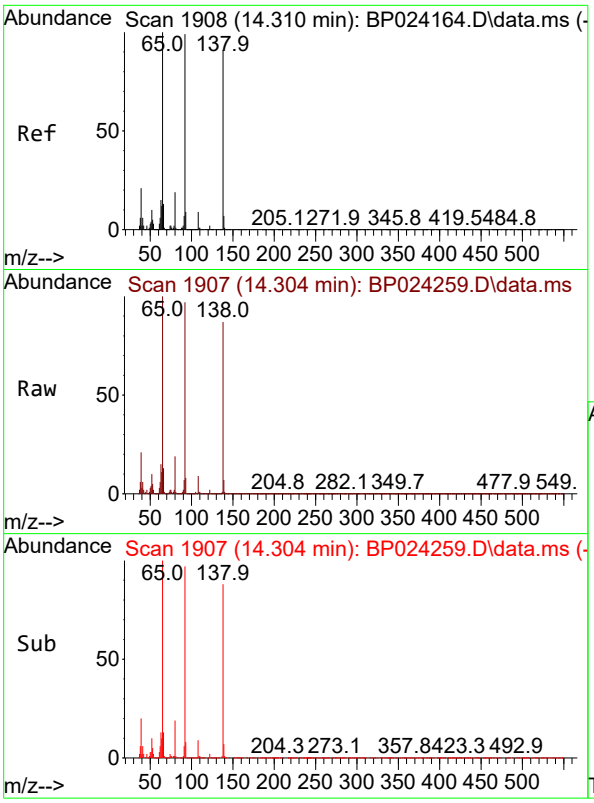


#52
Acenaphthene
Concen: 40.781 ng
RT: 14.463 min Scan# 1934
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:154 Resp: 1682367

Ion	Ratio	Lower	Upper
154	100		
153	112.5	90.5	135.7
152	53.7	43.1	64.7





#53
3-Nitroaniline
Concen: 43.848 ng
RT: 14.304 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

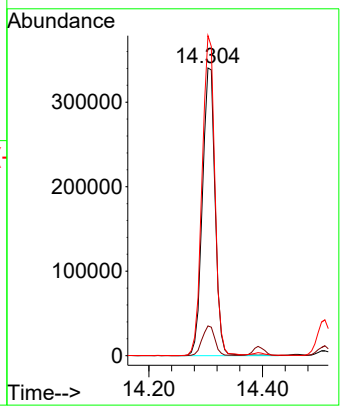
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

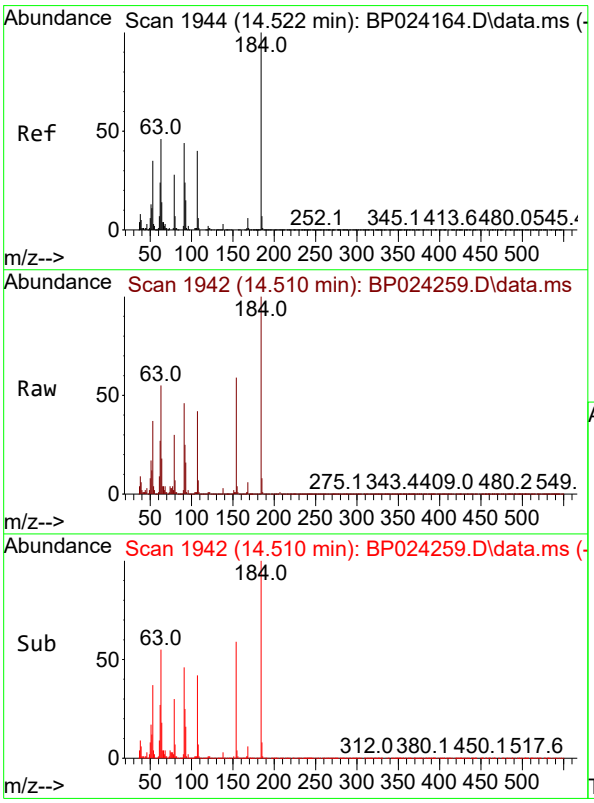
Tgt Ion:138 Resp: 52638

Ion	Ratio	Lower	Upper
138	100		
108	10.3	8.2	12.2
92	111.2	86.7	130.1

Manual Integrations
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Supervised By :Jagrut Upadhyay 04/14/2025

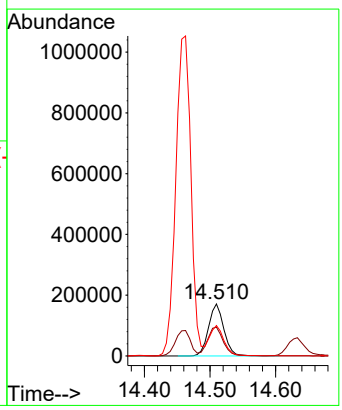


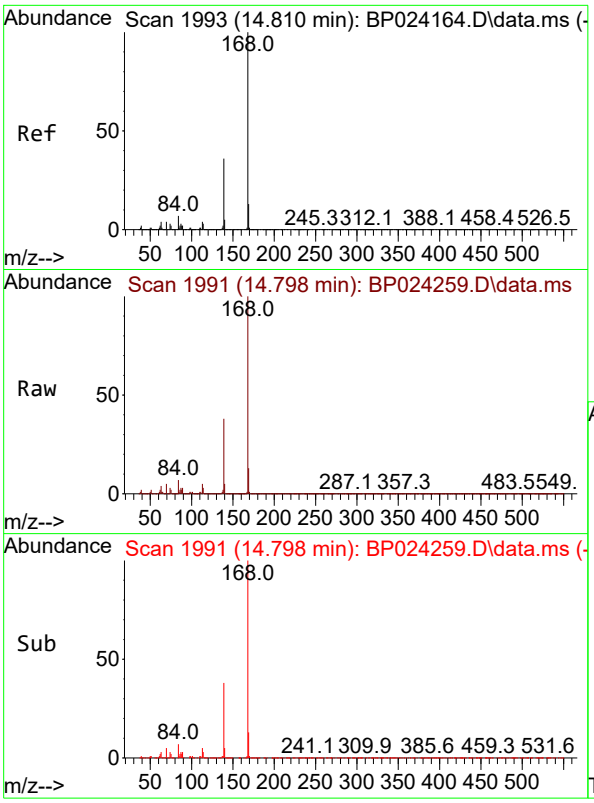


#54
2,4-Dinitrophenol
Concen: 47.115 ng
RT: 14.510 min Scan# 1942
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:184 Resp: 277095

Ion	Ratio	Lower	Upper
184	100		
63	55.4	42.1	63.1
154	58.5	44.6	67.0





#55
Dibenzofuran
Concen: 40.350 ng
RT: 14.798 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

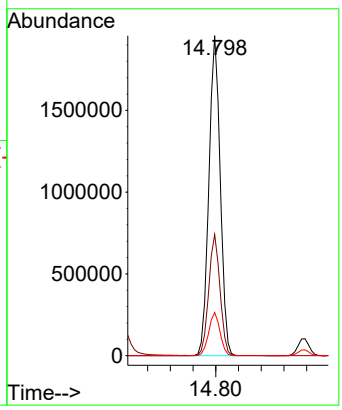
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

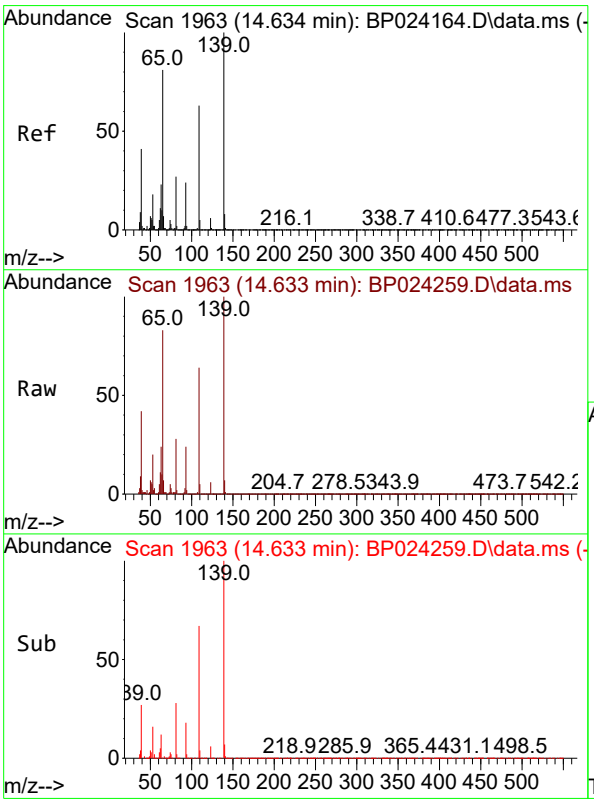
Tgt Ion:168 Resp: 269633

Ion	Ratio	Lower	Upper
168	100		
139	37.8	29.1	43.7
169	13.5	10.8	16.2

Manual Integrations
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Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

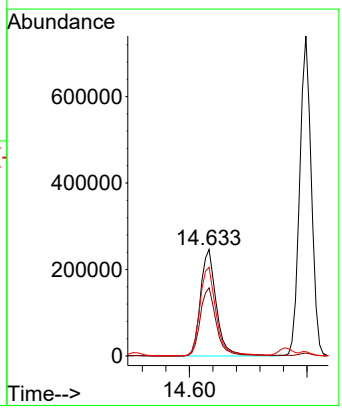


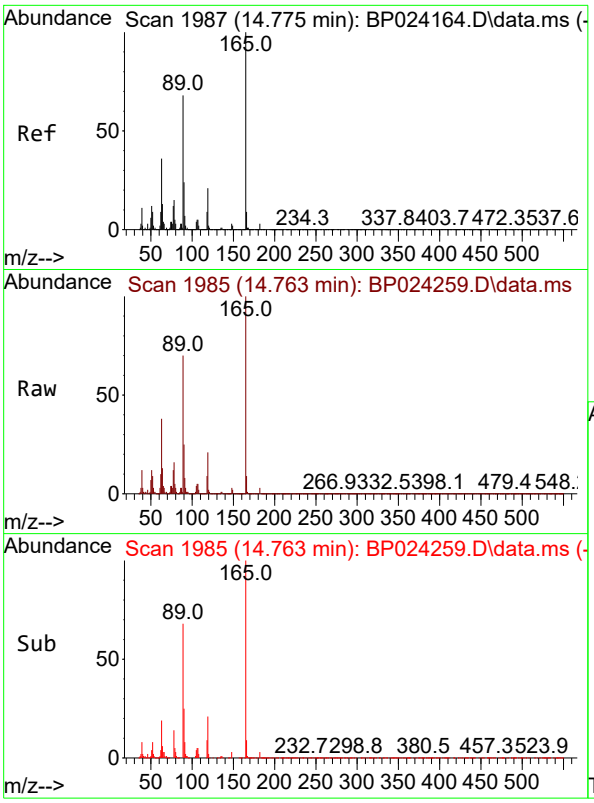


#56
4-Nitrophenol
Concen: 45.756 ng
RT: 14.633 min Scan# 1963
Delta R.T. 0.018 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:139 Resp: 458976

Ion	Ratio	Lower	Upper
139	100		
109	64.1	43.3	83.3
65	83.2	61.2	101.2

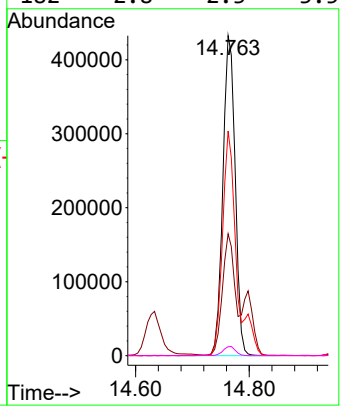




#57
2,4-Dinitrotoluene
Concen: 44.371 ng
RT: 14.763 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:165 Resp: 65143

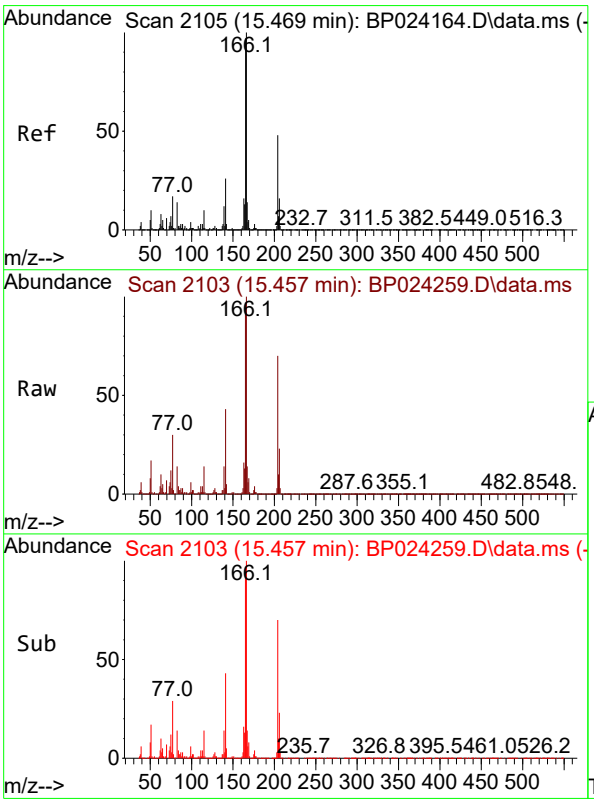
Ion	Ratio	Lower	Upper
165	100		
63	38.1	29.0	43.6
89	70.2	54.2	81.4
182	2.8	2.3	3.5



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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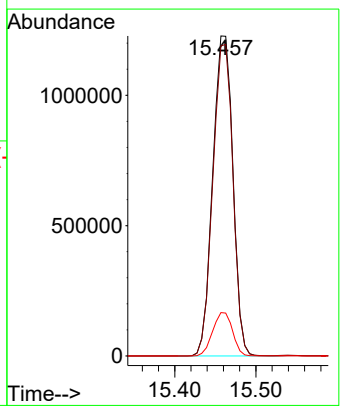
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

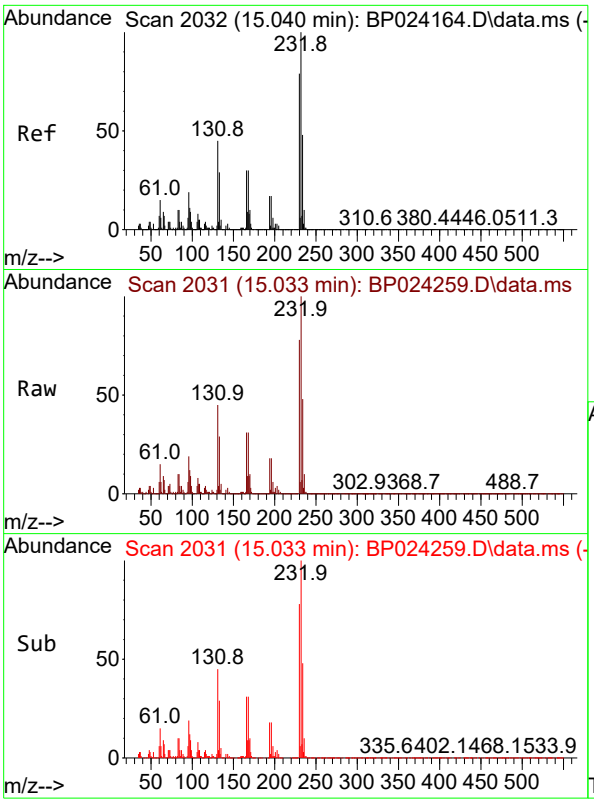


#58
Fluorene
Concen: 40.700 ng
RT: 15.457 min Scan# 2103
Delta R.T. -0.000 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:166 Resp: 2119056

Ion	Ratio	Lower	Upper
166	100		
165	96.9	77.6	116.4
167	13.6	10.8	16.2

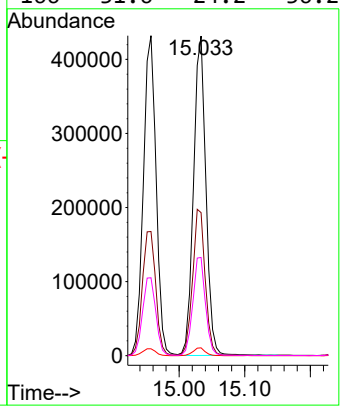




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.129 ng
RT: 15.033 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:232 Resp: 56613

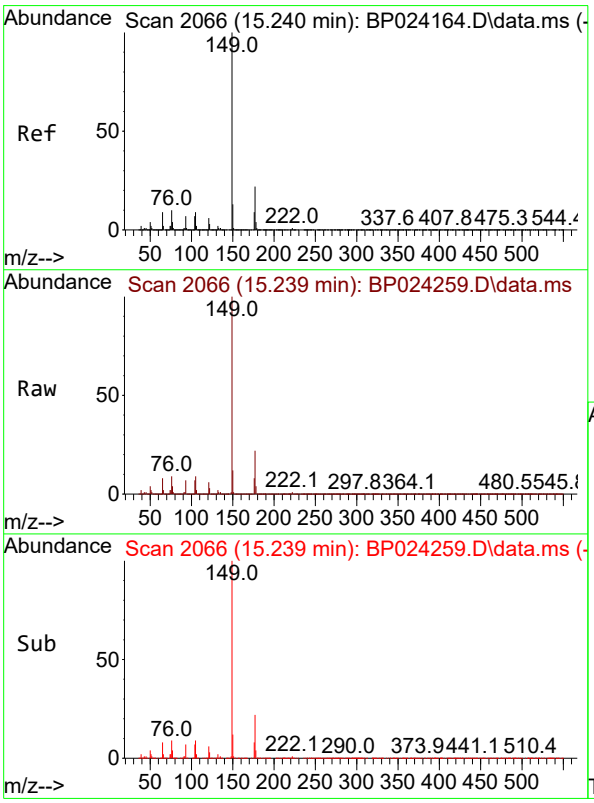
Ion	Ratio	Lower	Upper
232	100		
131	46.7	35.9	53.9
130	2.4	1.8	2.6
166	31.6	24.2	36.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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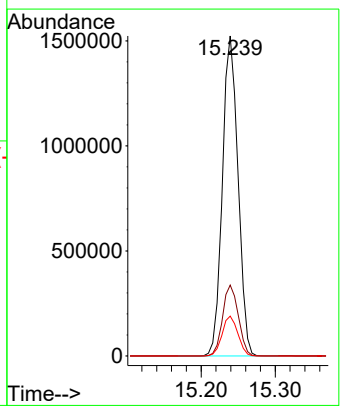
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

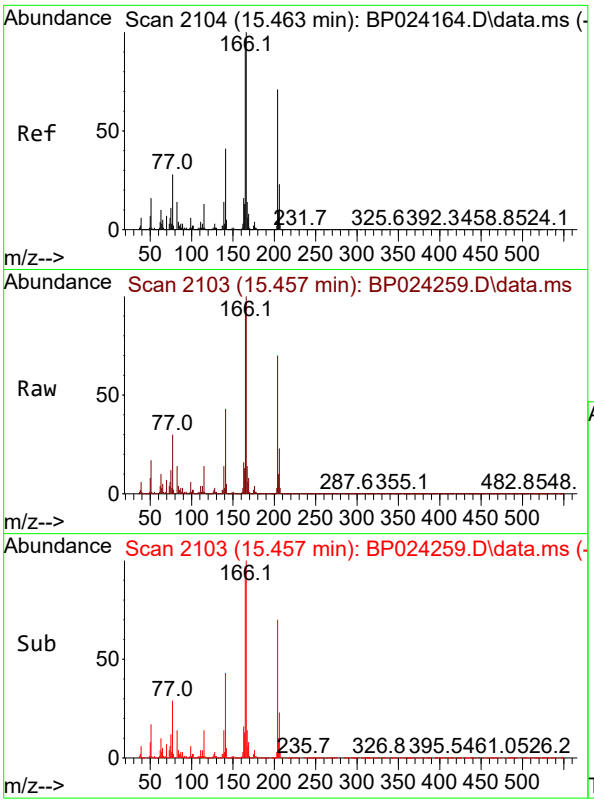


#60
Diethylphthalate
Concen: 42.381 ng
RT: 15.239 min Scan# 2066
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:149 Resp: 2229474

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.7	26.5
150	12.4	10.2	15.4





#61
4-Chlorophenyl-phenylether
Concen: 40.103 ng
RT: 15.457 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

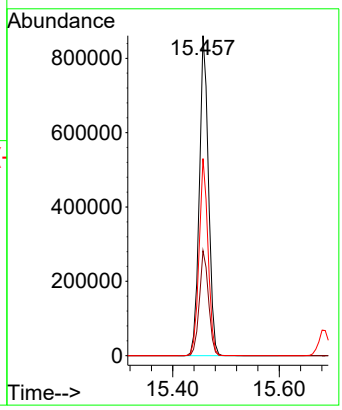
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

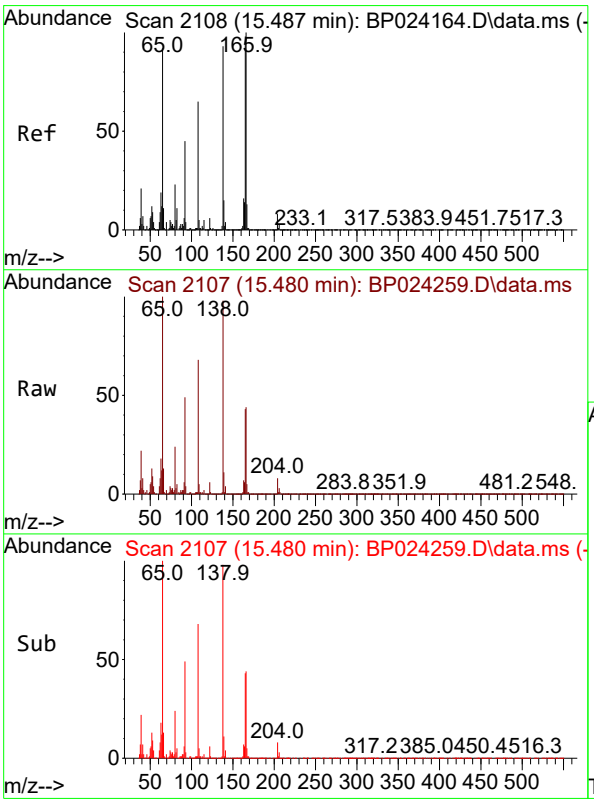
Tgt Ion:204 Resp: 102409

Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.4	39.6
141	61.6	45.8	68.8

Manual Integrations
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Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

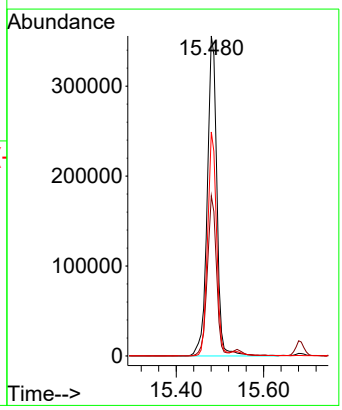


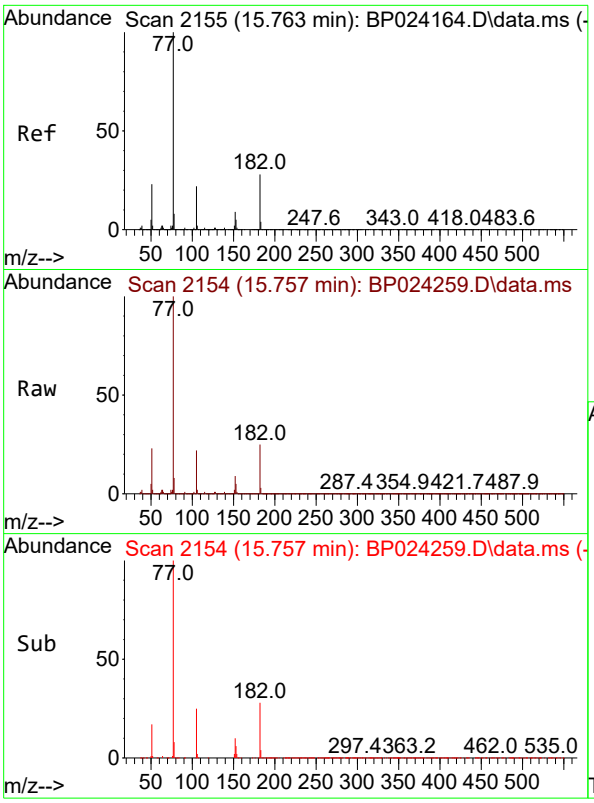


#62
4-Nitroaniline
Concen: 43.364 ng
RT: 15.480 min Scan# 2107
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:138 Resp: 545990

Ion	Ratio	Lower	Upper
138	100		
92	50.0	28.7	68.7
108	70.0	49.5	89.5

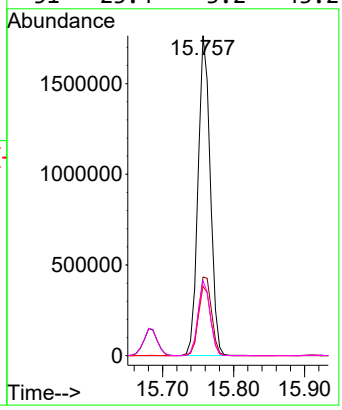




#63
Azobenzene
Concen: 42.541 ng
RT: 15.757 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion: 77 Resp: 210928

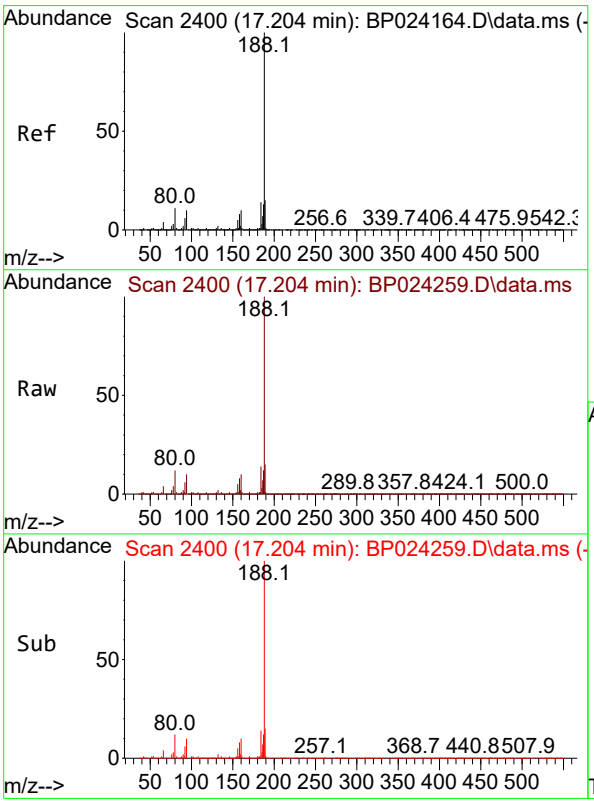
Ion	Ratio	Lower	Upper
77	100		
182	24.6	7.7	47.7
105	21.7	2.3	42.3
51	23.4	3.2	43.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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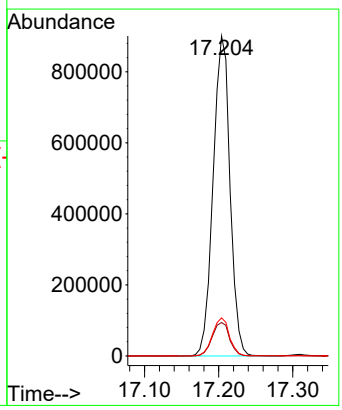
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

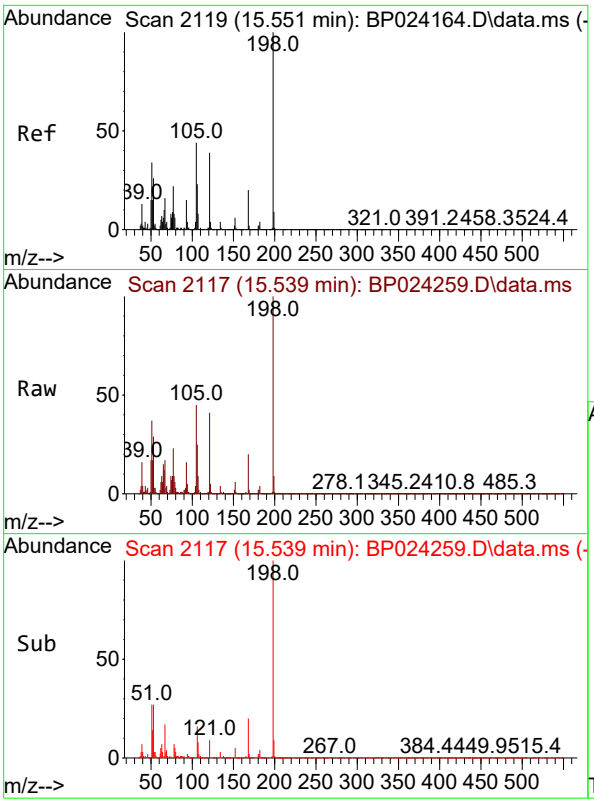


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2400
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:188 Resp: 1422444

Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.1	12.1
80	11.9	8.9	13.3

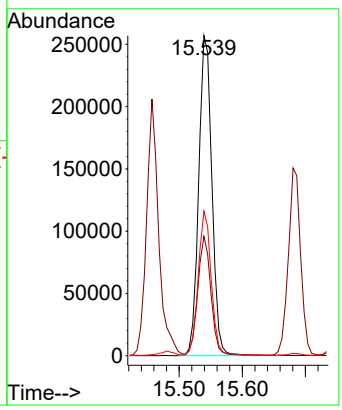




#65
4,6-Dinitro-2-methylphenol
Concen: 44.075 ng
RT: 15.539 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:198 Resp: 37219

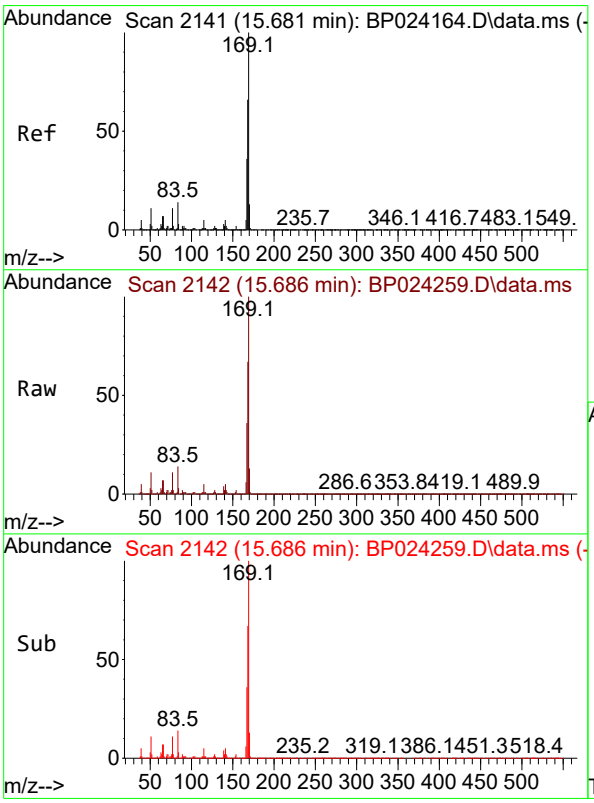
Ion	Ratio	Lower	Upper
198	100		
51	37.3	14.7	54.7
105	45.1	23.8	63.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

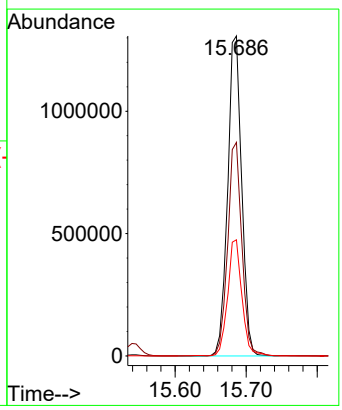
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

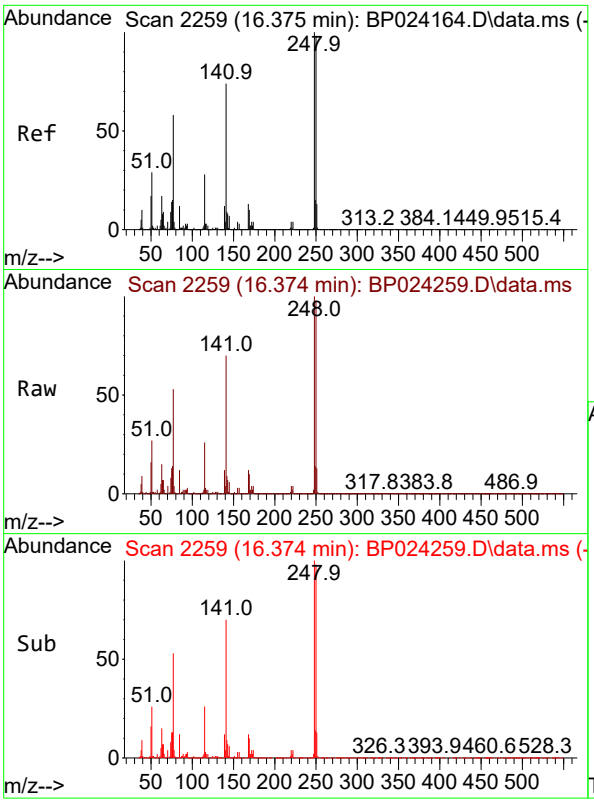


#66
n-Nitrosodiphenylamine
Concen: 41.426 ng
RT: 15.686 min Scan# 2142
Delta R.T. 0.018 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:169 Resp: 1789396

Ion	Ratio	Lower	Upper
169	100		
168	66.7	52.9	79.3
167	36.3	28.8	43.2





#67
4-Bromophenyl-phenylether
Concen: 41.592 ng
RT: 16.374 min Scan# 2
Delta R.T. 0.017 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

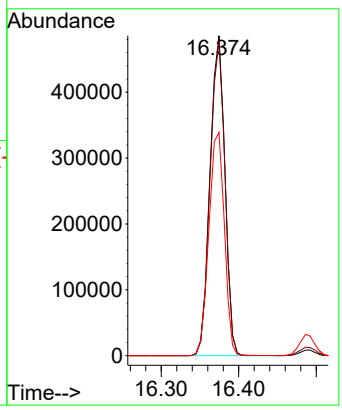
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

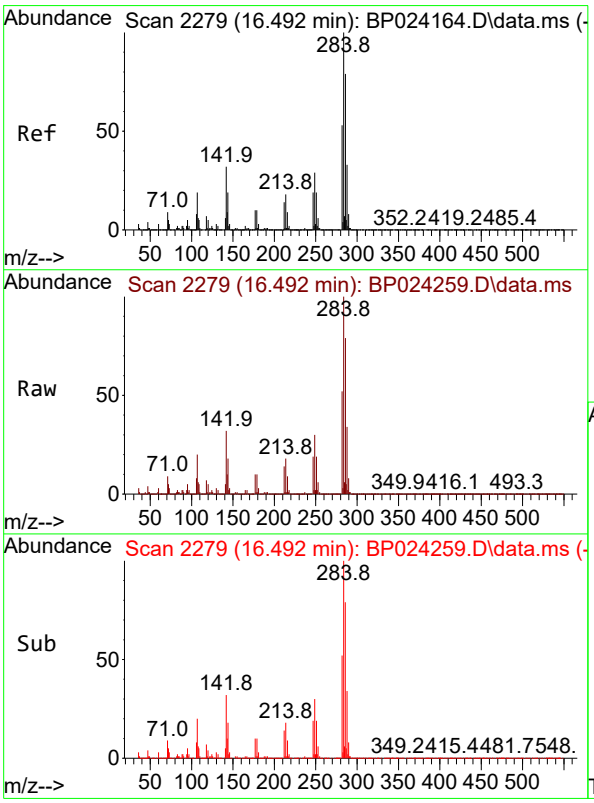
Tgt Ion:248 Resp: 64955

Ion	Ratio	Lower	Upper
248	100		
250	98.3	78.4	117.6
141	69.8	59.4	89.0

Manual Integrations
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Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

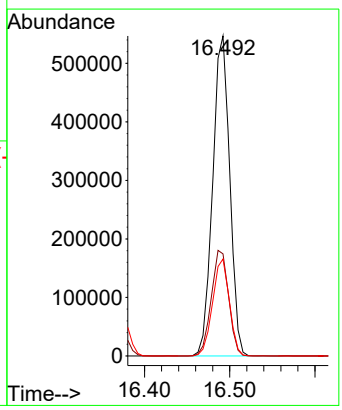


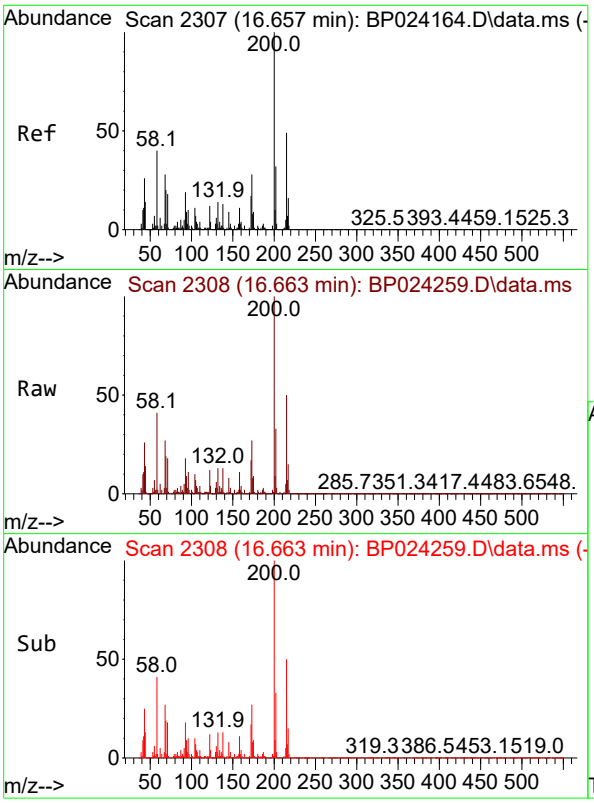


#68
Hexachlorobenzene
Concen: 41.213 ng
RT: 16.492 min Scan# 2279
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:284 Resp: 761794

Ion	Ratio	Lower	Upper
284	100		
142	31.9	25.4	38.2
249	30.3	23.5	35.3

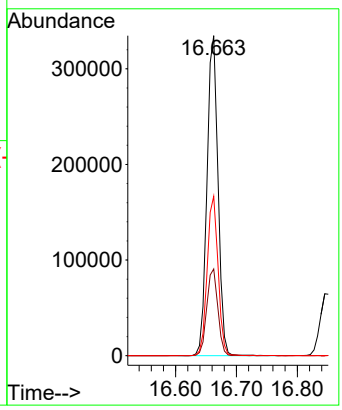




#69
Atrazine
Concen: 40.396 ng
RT: 16.663 min Scan# 2
Delta R.T. 0.023 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:200 Resp: 42116

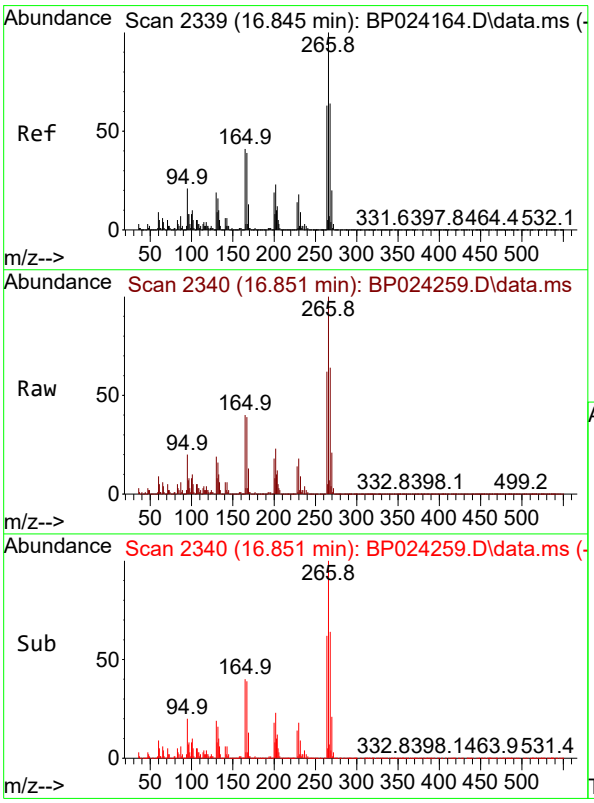
Ion	Ratio	Lower	Upper
200	100		
173	27.1	7.6	47.6
215	49.8	29.0	69.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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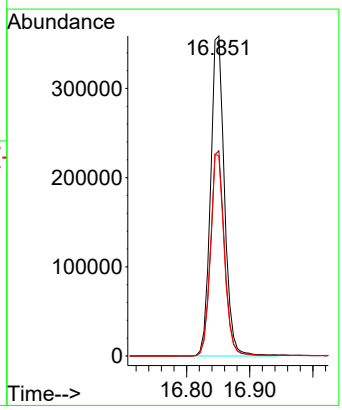
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

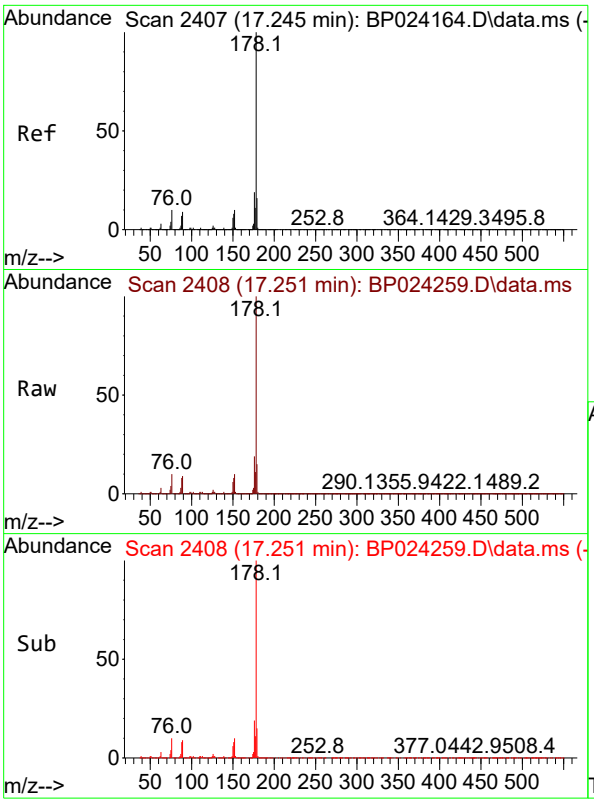


#70
Pentachlorophenol
Concen: 45.717 ng
RT: 16.851 min Scan# 2340
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:266 Resp: 546484

Ion	Ratio	Lower	Upper
266	100		
268	64.1	51.3	76.9
264	62.4	50.6	76.0

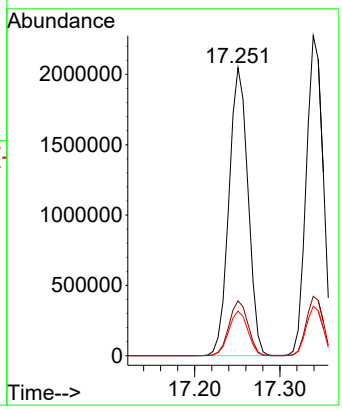




#71
Phenanthrene
Concen: 41.003 ng
RT: 17.251 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:178 Resp: 318621

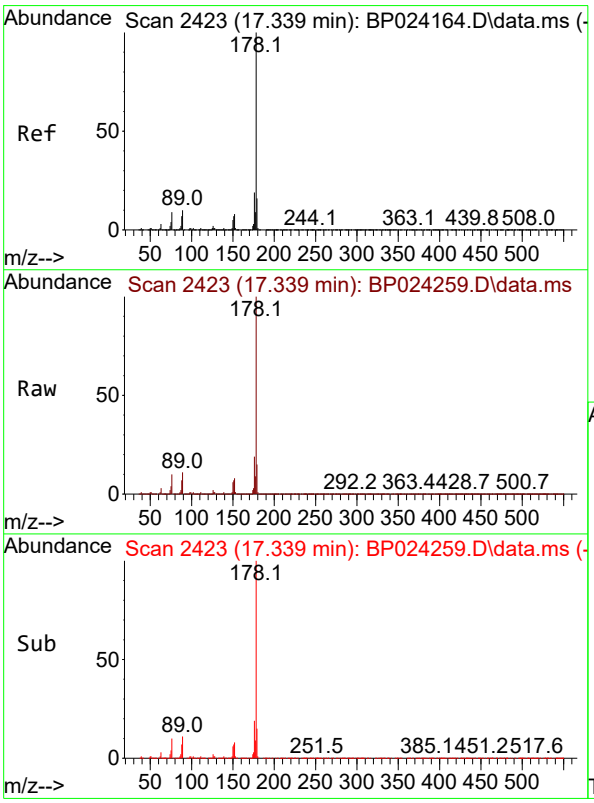
Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.6	23.4
179	15.5	12.5	18.7



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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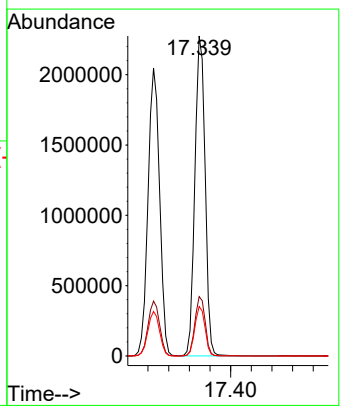
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

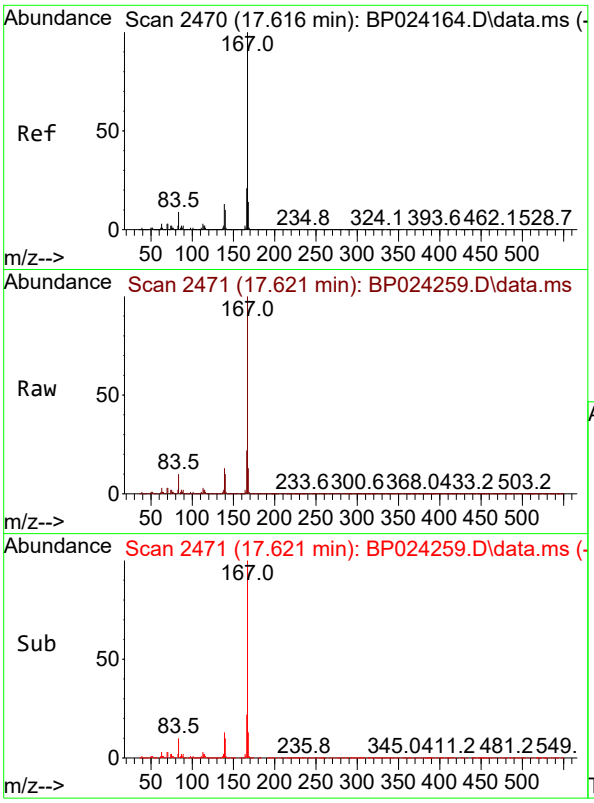


#72
Anthracene
Concen: 41.409 ng
RT: 17.339 min Scan# 2423
Delta R.T. 0.018 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:178 Resp: 3134014

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.2	22.8
179	15.5	12.6	18.8

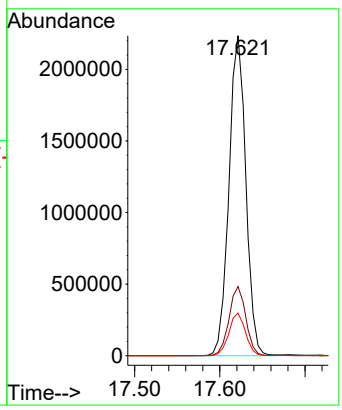




#73
Carbazole
Concen: 42.115 ng
RT: 17.621 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:167 Resp: 307392

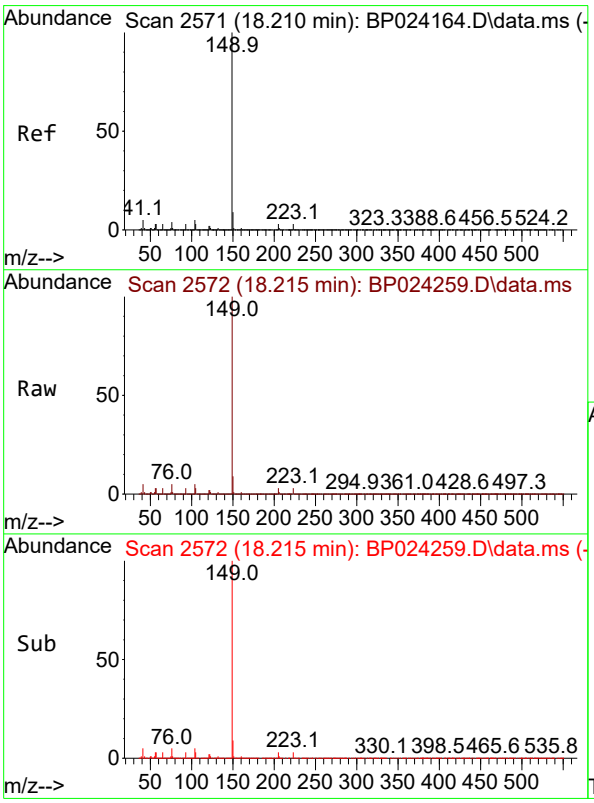
Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.1	25.7
139	13.3	10.2	15.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

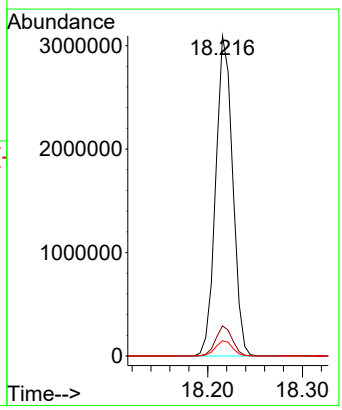
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

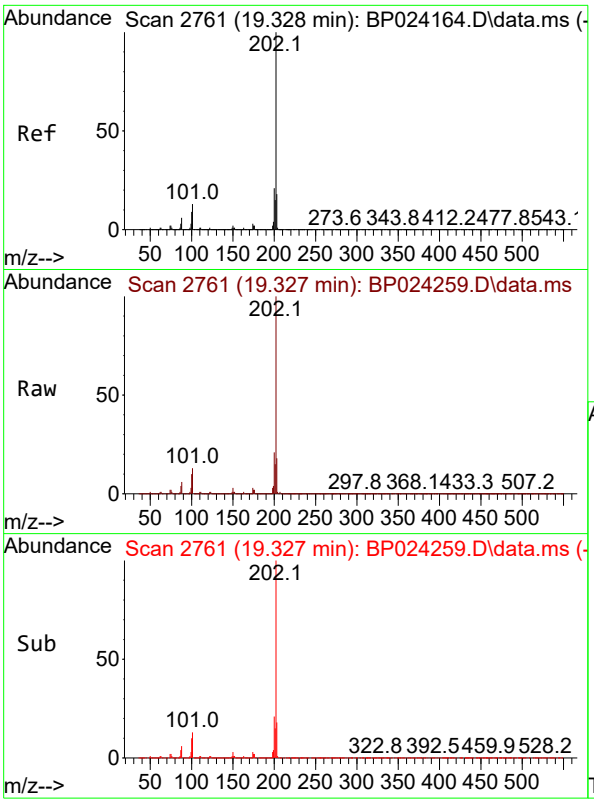


#74
Di-n-butylphthalate
Concen: 44.419 ng
RT: 18.215 min Scan# 2572
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:149 Resp: 3848693

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.6	11.4
104	4.8	3.9	5.9

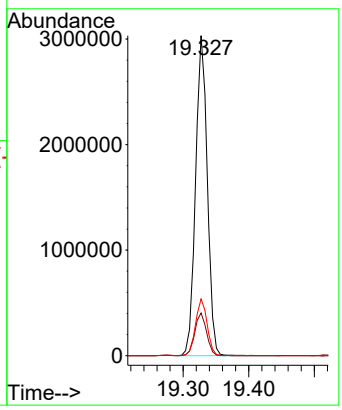




#75
Fluoranthene
Concen: 41.916 ng
RT: 19.327 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:202 Resp: 377240

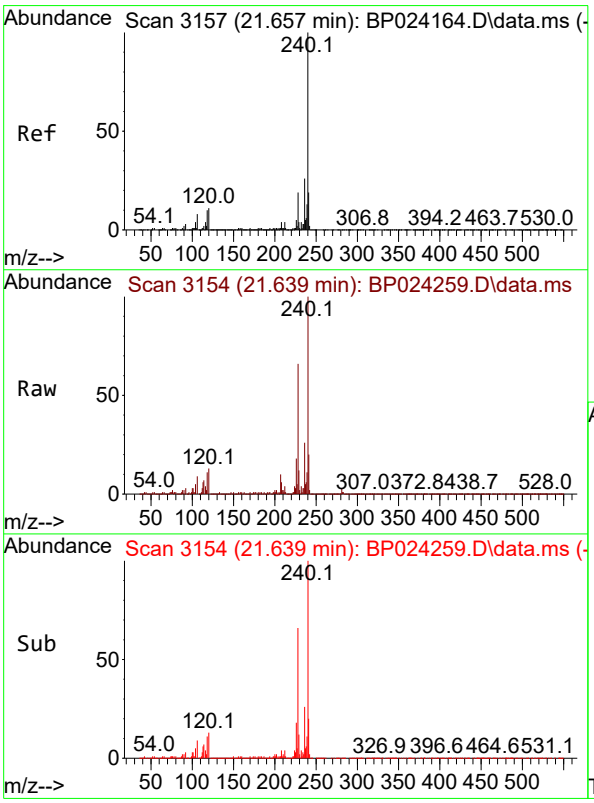
Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	32.5
203	17.7	0.0	37.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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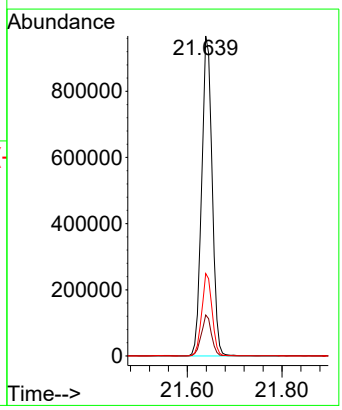
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

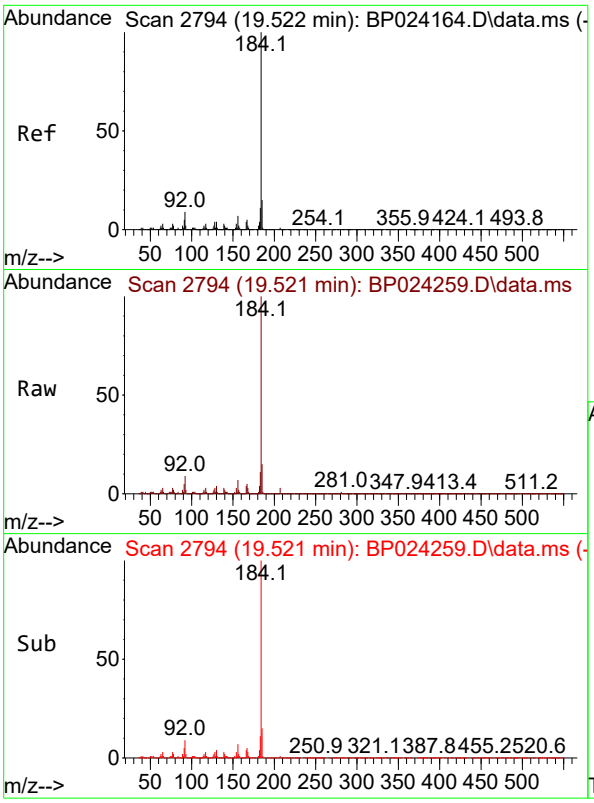


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.639 min Scan# 3154
Delta R.T. -0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:240 Resp: 1476882

Ion	Ratio	Lower	Upper
240	100		
120	12.8	9.2	13.8
236	25.7	20.4	30.6

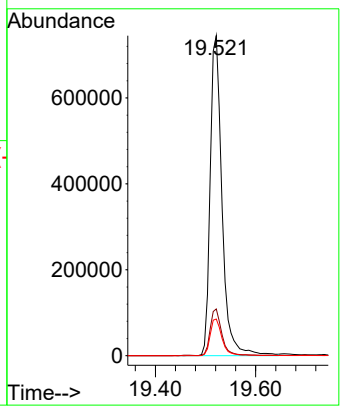




#77
Benzidine
Concen: 75.598 ng
RT: 19.521 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:184 Resp: 122070

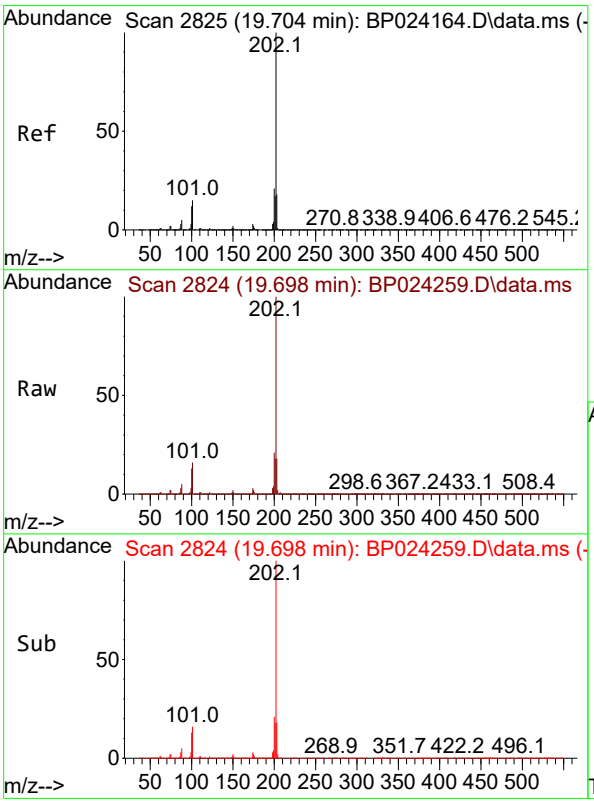
Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.8	17.6
183	11.4	9.1	13.7



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

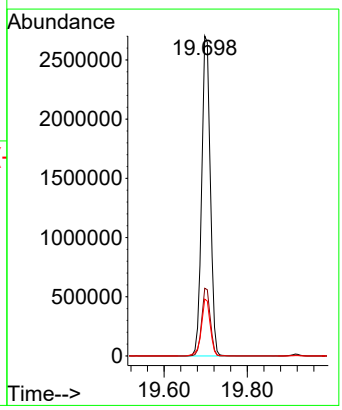
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

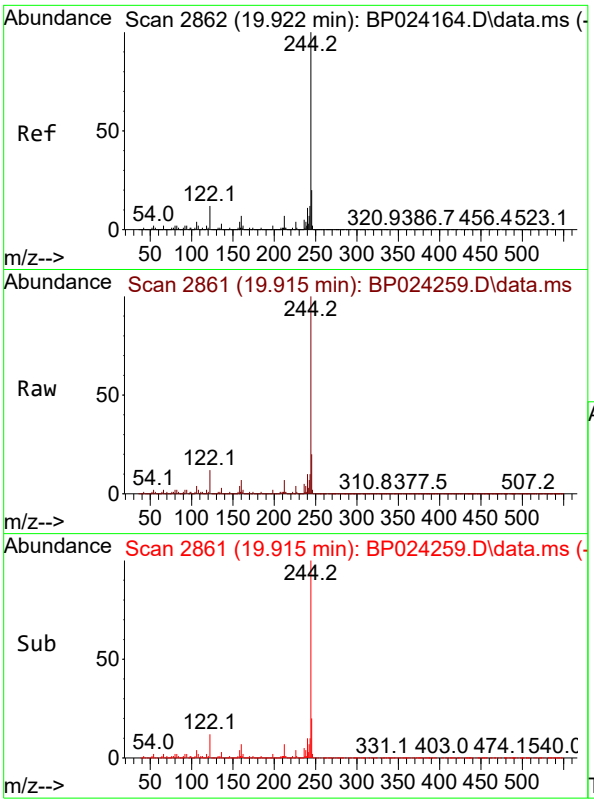


#78
Pyrene
Concen: 42.418 ng
RT: 19.698 min Scan# 2824
Delta R.T. -0.000 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:202 Resp: 3894683

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.1	25.7
203	17.7	14.2	21.4





#79
Terphenyl-d14
Concen: 84.305 ng
RT: 19.915 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

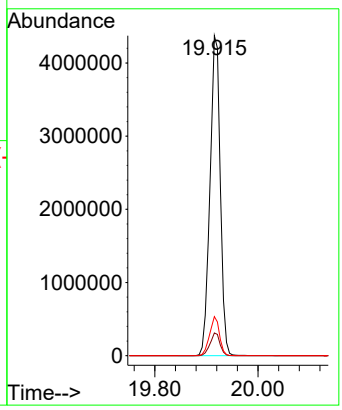
Tgt Ion:244 Resp: 603174

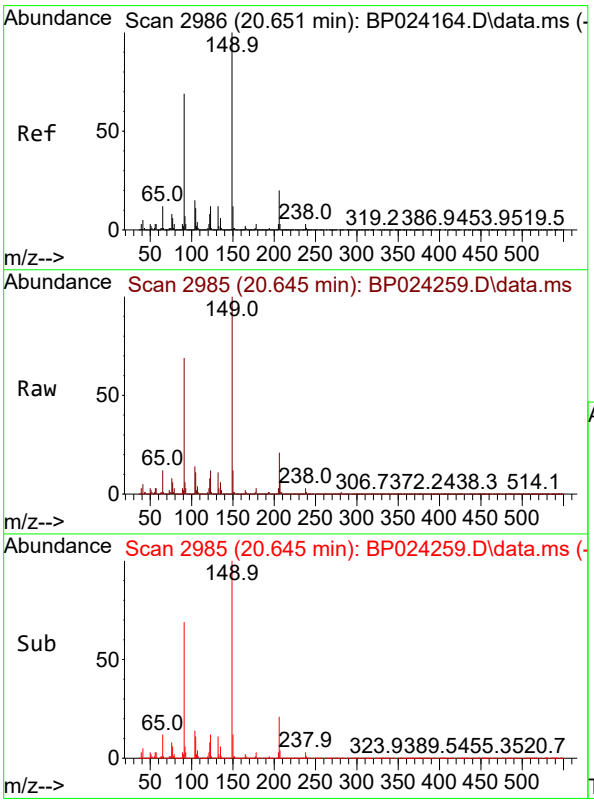
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	12.2	9.6	14.4

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

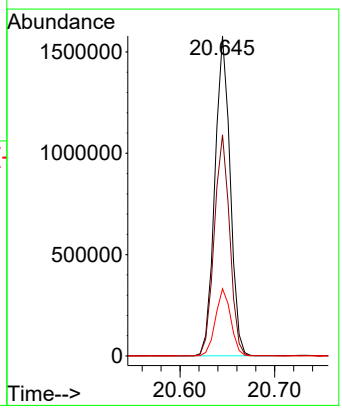


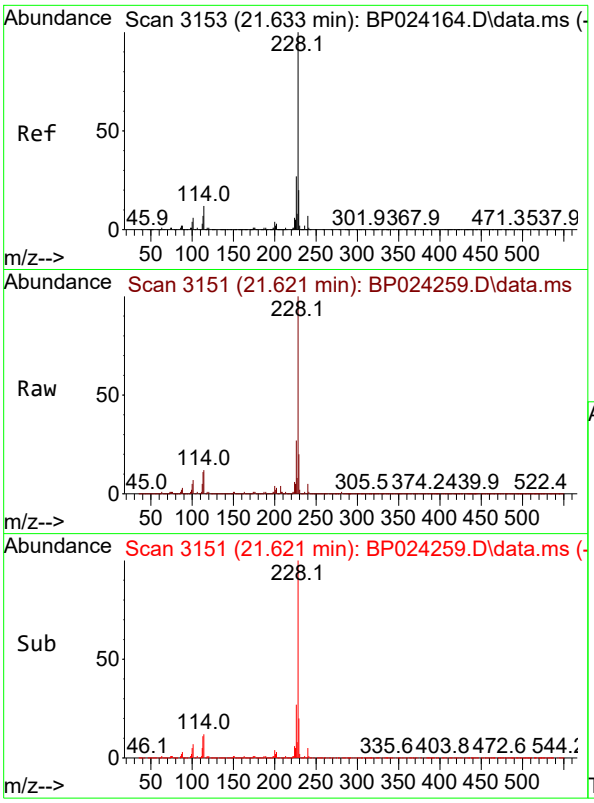


#80
Butylbenzylphthalate
Concen: 46.750 ng
RT: 20.645 min Scan# 2985
Delta R.T. -0.000 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:149 Resp: 1770125

Ion	Ratio	Lower	Upper
149	100		
91	69.1	55.3	82.9
206	21.0	16.1	24.1





#81
Benzo(a)anthracene
Concen: 41.152 ng
RT: 21.621 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

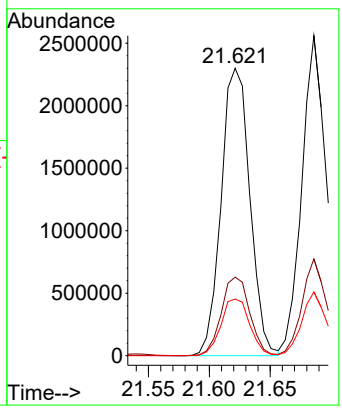
Tgt Ion:228 Resp: 377865

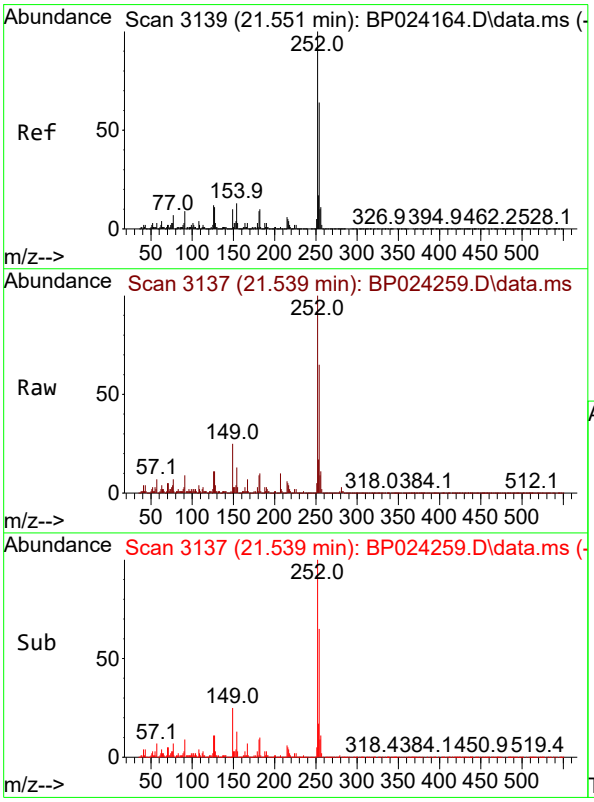
Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.8	32.8
229	19.7	16.0	24.0

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

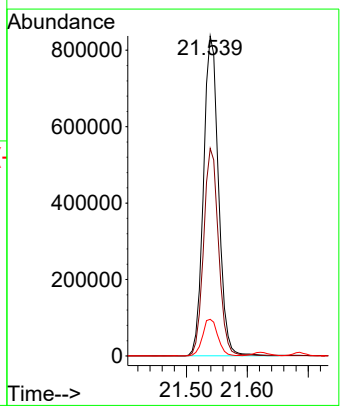


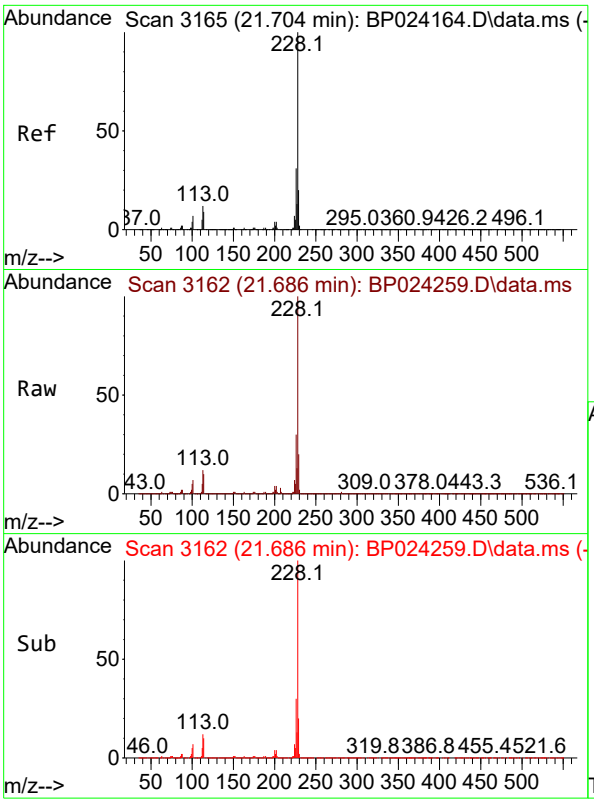


#82
3,3'-Dichlorobenzidine
Concen: 46.547 ng
RT: 21.539 min Scan# 3137
Delta R.T. -0.000 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:252 Resp: 1432446

Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.4	77.2
126	11.4	9.3	13.9

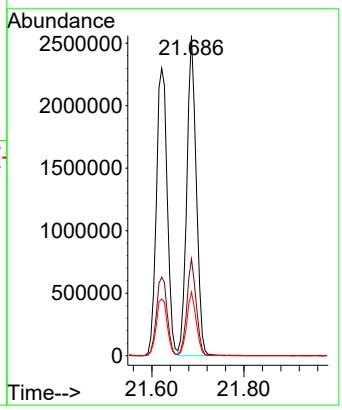




#83
Chrysene
Concen: 41.095 ng
RT: 21.686 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:228 Resp: 362747

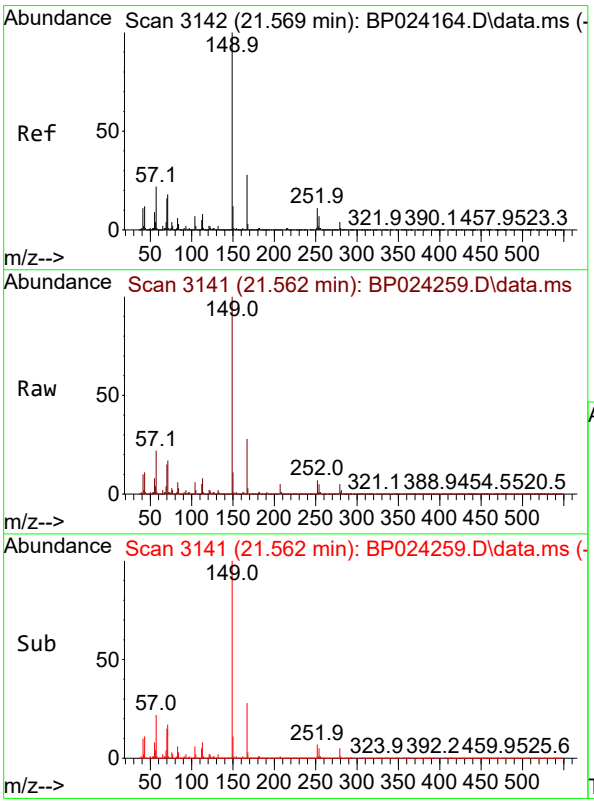
Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.5	36.7
229	19.9	16.2	24.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

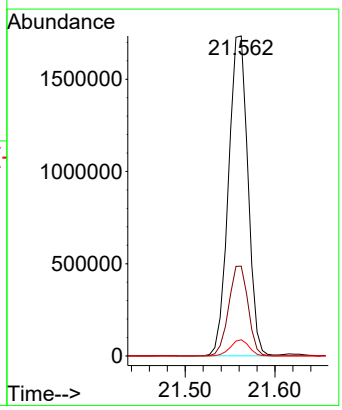
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

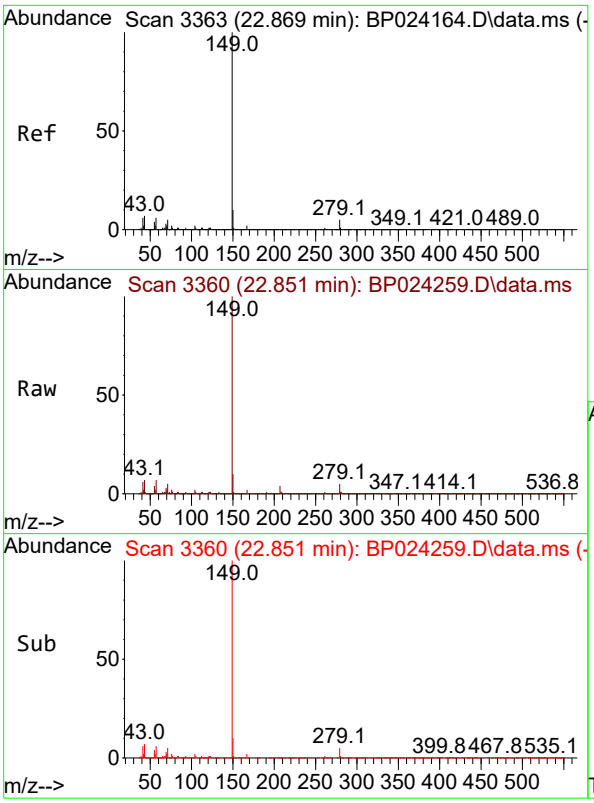


#84
Bis(2-ethylhexyl)phthalate
Concen: 45.528 ng
RT: 21.562 min Scan# 3141
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:149 Resp: 2601162

Ion	Ratio	Lower	Upper
149	100		
167	28.1	22.5	33.7
279	5.1	3.6	5.4

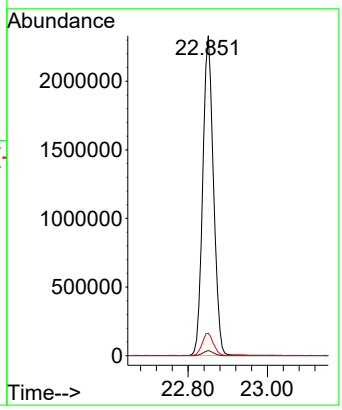




#85
Di-n-octyl phthalate
Concen: 47.734 ng
RT: 22.851 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:149 Resp: 436946

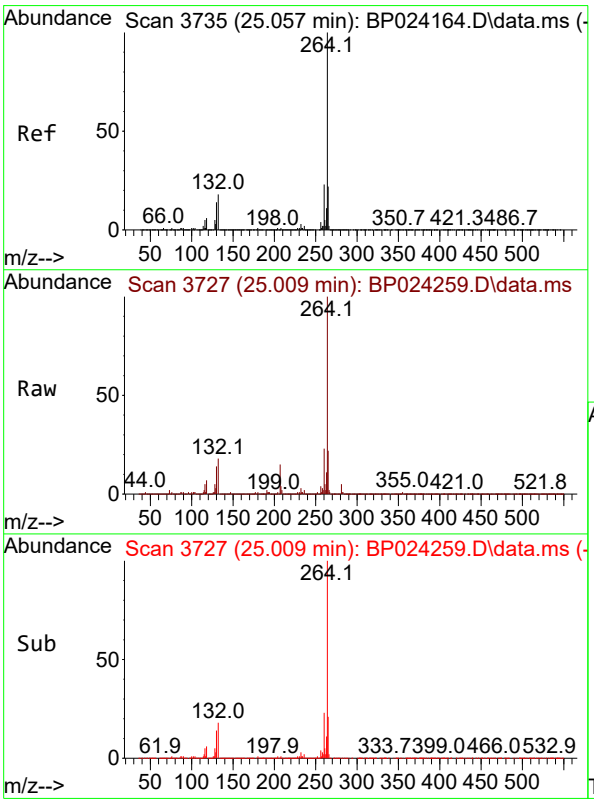
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.3	5.8	8.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

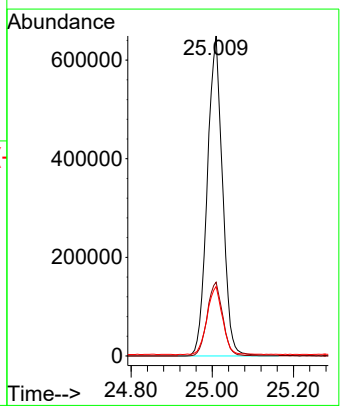
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

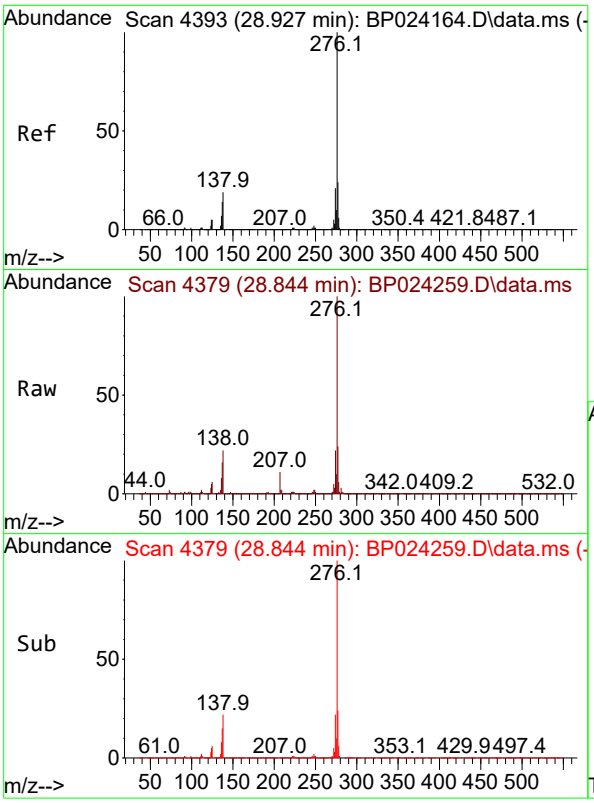


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.009 min Scan# 3727
Delta R.T. -0.000 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:264 Resp: 1685517

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.5	27.7
265	21.7	17.7	26.5

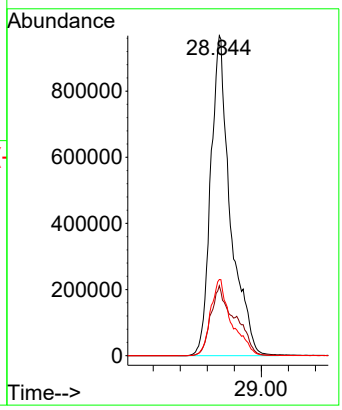




#87
Indeno(1,2,3-cd)pyrene
Concen: 41.422 ng
RT: 28.844 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:276 Resp: 487275

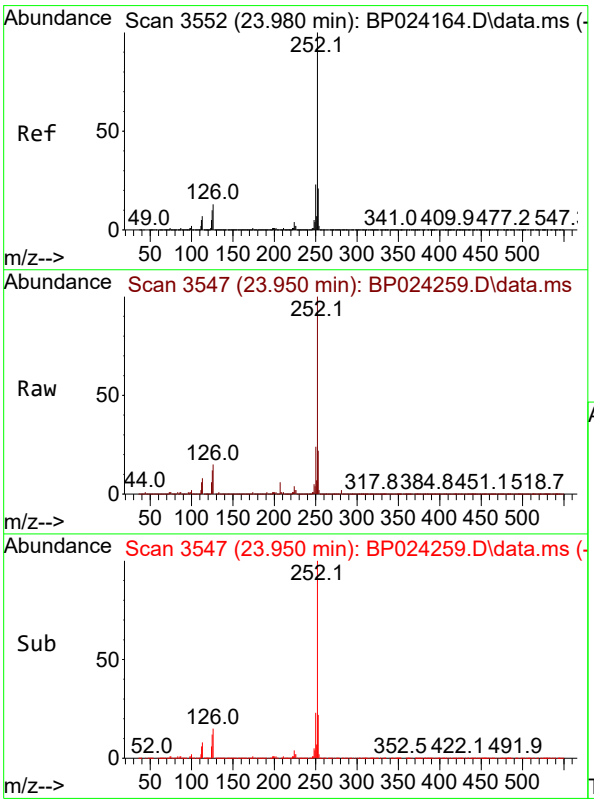
Ion	Ratio	Lower	Upper
276	100		
138	26.8	13.7	20.5#
277	25.3	20.2	30.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

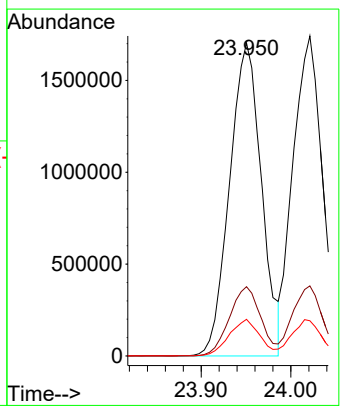
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

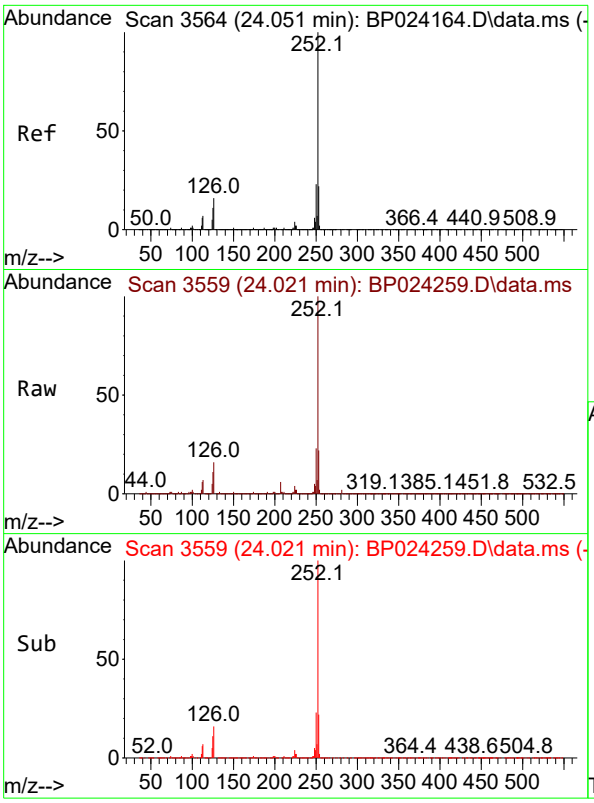


#88
Benzo(b)fluoranthene
Concen: 41.362 ng
RT: 23.950 min Scan# 3547
Delta R.T. 0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:252 Resp: 4203453

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.2	25.8
125	11.7	8.2	12.4





#89
Benzo(k)fluoranthene
Concen: 40.100 ng
RT: 24.021 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

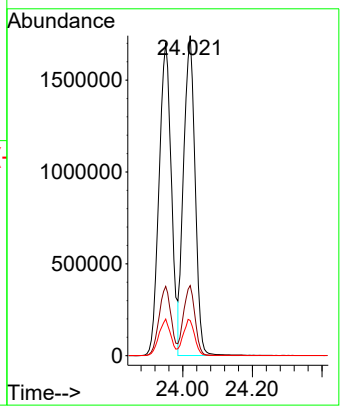
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

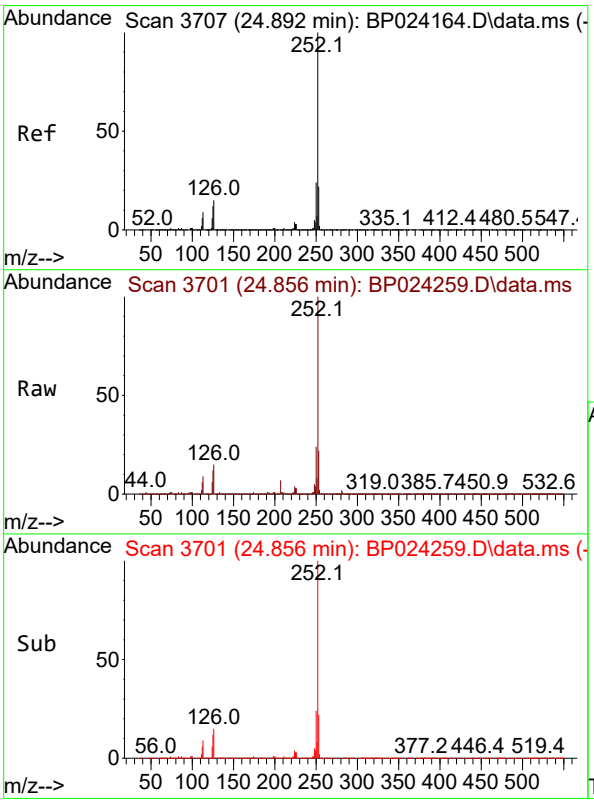
Tgt Ion:252 Resp: 398634

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	11.0	9.1	13.7

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

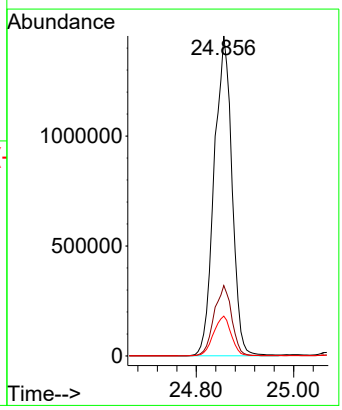


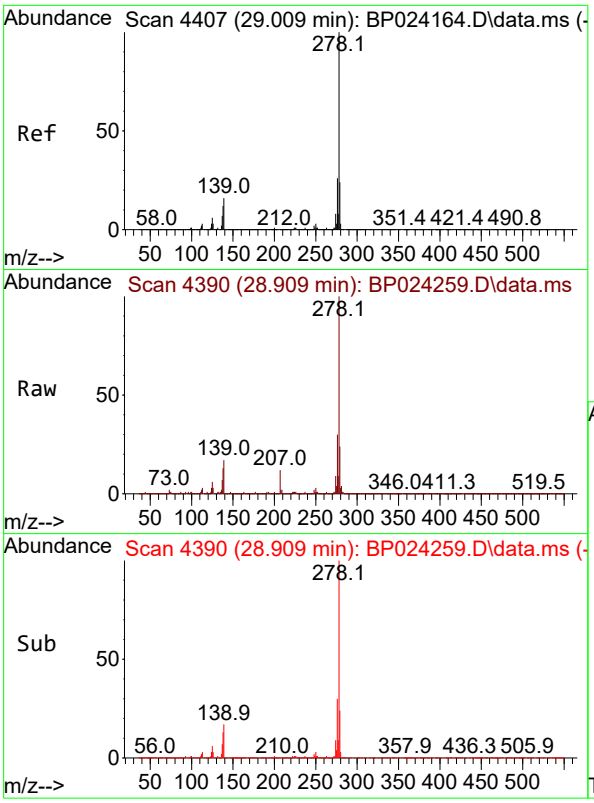


#90
Benzo(a)pyrene
Concen: 41.754 ng
RT: 24.856 min Scan# 3701
Delta R.T. 0.006 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:252 Resp: 3689826

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	12.5	9.6	14.4

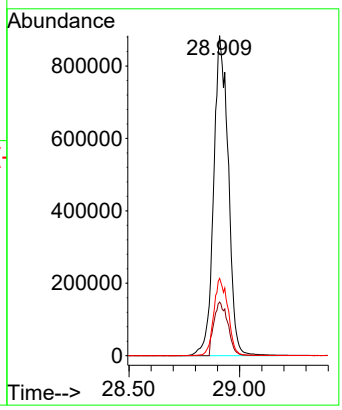




#91
Dibenzo(a,h)anthracene
Concen: 41.326 ng
RT: 28.909 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:278 Resp: 404444

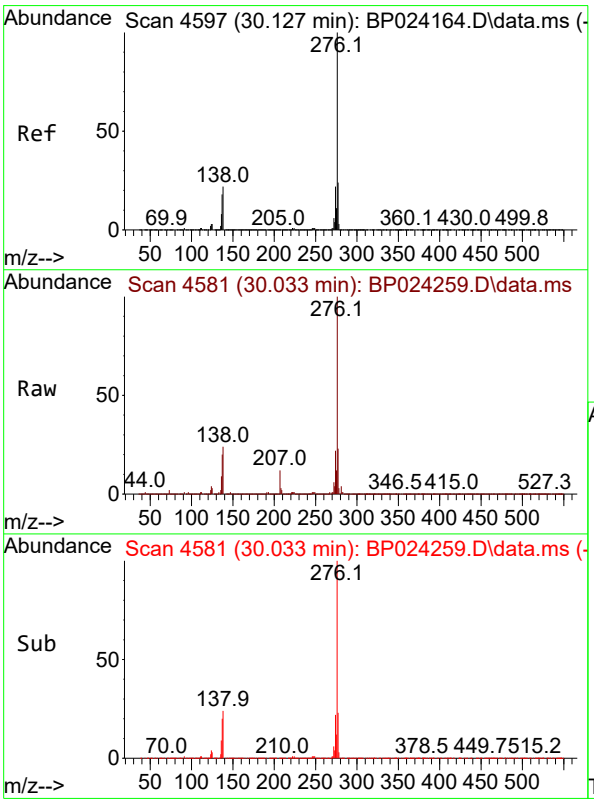
Ion	Ratio	Lower	Upper
278	100		
139	16.8	13.0	19.4
279	24.1	18.8	28.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

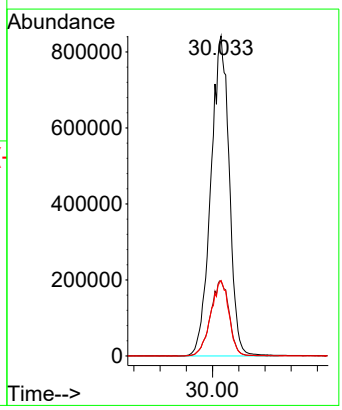
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025



#92
Benzo(g,h,i)perylene
Concen: 41.156 ng
RT: 30.033 min Scan# 4581
Delta R.T. 0.023 min
Lab File: BP024259.D
Acq: 11 Apr 2025 09:43

Tgt Ion:276 Resp: 4094492

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.2	28.8
138	23.5	17.4	26.2



Sample Results: **BP024259.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024259.D
Acq On : 11 Apr 2025 09:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 11 11:41:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 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	82	0.01
2		1,4-Dioxane	0.497	0.508	-2.2	88	0.00
3		Pyridine	1.358	1.377	-1.4	86	0.01
4		n-Nitrosodimethylamine	0.454	0.467	-2.9	88	0.01
5	S	2-Fluorophenol	1.253	1.286	-2.6	87	0.01
6		Aniline	1.527	1.572	-2.9	86	0.01
7	S	Phenol-d6	1.675	1.720	-2.7	86	0.01
8		2-Chlorophenol	1.353	1.384	-2.3	86	0.01
9		Benzaldehyde	0.809	0.786	2.8	82	0.01
10	C	Phenol	1.691	1.721	-1.8	86	0.00
11		bis(2-Chloroethyl)ether	1.334	1.361	-2.0	87	0.01
12		1,3-Dichlorobenzene	1.459	1.475	-1.1	87	0.01
13	C	1,4-Dichlorobenzene	1.490	1.489	0.1	86	0.01
14		1,2-Dichlorobenzene	1.430	1.419	0.8	85	0.01
15		Benzyl Alcohol	1.061	1.141	-7.5	89	0.01
16		2,2'-oxybis(1-Chloropropane	1.361	1.436	-5.5	91	0.02
17		2-Methylphenol	1.061	1.100	-3.7	86	0.01
18		Hexachloroethane	0.529	0.543	-2.6	87	0.00
19	P	n-Nitroso-di-n-propylamine	0.972	1.027	-5.7	87	0.01
20		3+4-Methylphenols	1.457	1.511	-3.7	86	0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	82	0.00
22		Acetophenone	0.506	0.513	-1.4	85	0.01
23	S	Nitrobenzene-d5	0.354	0.371	-4.8	87	0.02
24		Nitrobenzene	0.350	0.364	-4.0	88	0.01
25		Isophorone	0.608	0.652	-7.2	89	0.00
26	C	2-Nitrophenol	0.167	0.190	-13.8	92	0.00
27		2,4-Dimethylphenol	0.215	0.224	-4.2	86	0.01
28		bis(2-Chloroethoxy)methane	0.427	0.443	-3.7	87	0.01
29	C	2,4-Dichlorophenol	0.291	0.307	-5.5	85	0.01
30		1,2,4-Trichlorobenzene	0.321	0.326	-1.6	86	0.01
31		Naphthalene	1.060	1.080	-1.9	86	0.00
32		Benzoic acid	0.209	0.262	-25.4#	99	0.01
33		4-Chloroaniline	0.379	0.388	-2.4	85	0.01
34	C	Hexachlorobutadiene	0.185	0.187	-1.1	86	0.01
35		Caprolactam	0.095	0.106	-11.6	89	0.01
36	C	4-Chloro-3-methylphenol	0.313	0.341	-8.9	89	0.00
37		2-Methylnaphthalene	0.716	0.735	-2.7	86	0.01
38		1-Methylnaphthalene	0.697	0.713	-2.3	87	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	81	0.00
40		1,2,4,5-Tetrachlorobenzene	0.578	0.579	-0.2	84	0.01
41	P	Hexachlorocyclopentadiene	0.208	0.224	-7.7	85	0.00
42	S	2,4,6-Tribromophenol	0.252	0.279	-10.7	90	0.02
43	C	2,4,6-Trichlorophenol	0.367	0.397	-8.2	87	0.00
44		2,4,5-Trichlorophenol	0.403	0.436	-8.2	86	0.00
45	S	2-Fluorobiphenyl	1.356	1.348	0.6	83	0.00
46		1,1'-Biphenyl	1.503	1.523	-1.3	85	0.00
47		2-Chloronaphthalene	1.130	1.144	-1.2	85	0.00

Sample Results: **BP024259.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024259.D
Acq On : 11 Apr 2025 09:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 11 11:41:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 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	0.289	0.329	-13.8	91	0.00
49		Acenaphthylene	1.710	1.786	-4.4	87	0.00
50		Dimethylphthalate	1.399	1.458	-4.2	87	0.00
51		2,6-Dinitrotoluene	0.294	0.318	-8.2	88	0.01
52	C	Acenaphthene	1.093	1.114	-1.9	85	0.00
53		3-Nitroaniline	0.318	0.349	-9.7	88	0.01
54	P	2,4-Dinitrophenol	0.156	0.184	-17.9	93	0.00
55		Dibenzofuran	1.770	1.786	-0.9	85	0.00
56	P	4-Nitrophenol	0.266	0.304	-14.3	89	0.02
57		2,4-Dinitrotoluene	0.389	0.431	-10.8	89	0.00
58		Fluorene	1.379	1.403	-1.7	85	0.00
59		2,3,4,6-Tetrachlorophenol	0.356	0.375	-5.3	85	0.01
60		Diethylphthalate	1.394	1.477	-6.0	88	0.01
61		4-Chlorophenyl-phenylether	0.676	0.678	-0.3	84	0.00
62		4-Nitroaniline	0.334	0.362	-8.4	85	0.00
63		Azobenzene	1.314	1.397	-6.3	88	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	83	0.01
65		4,6-Dinitro-2-methylphenol	0.119	0.131	-10.1	90	0.00
66	c	n-Nitrosodiphenylamine	0.607	0.629	-3.6	87	0.02
67		4-Bromophenyl-phenylether	0.220	0.228	-3.6	87	0.02
68		Hexachlorobenzene	0.260	0.268	-3.1	87	0.01
69		Atrazine	0.147	0.148	-0.7	90	0.02
70	C	Pentachlorophenol	0.168	0.192	-14.3	89	0.01
71		Phenanthrene	1.093	1.120	-2.5	85	0.01
72		Anthracene	1.064	1.102	-3.6	86	0.02
73		Carbazole	1.026	1.081	-5.4	86	0.01
74		Di-n-butylphthalate	1.218	1.353	-11.1	89	0.01
75	C	Fluoranthene	1.265	1.326	-4.8	87	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	79	0.00
77		Benzidine	0.219	0.413	-88.6#	126	0.00
78		Pyrene	1.243	1.319	-6.1	86	0.00
79	S	Terphenyl-d14	0.969	1.021	-5.4	85	0.00
80		Butylbenzylphthalate	0.513	0.599	-16.8	90	0.00
81		Benzo(a)anthracene	1.243	1.279	-2.9	83	0.00
82		3,3'-Dichlorobenzidine	0.417	0.485	-16.3	89	0.00
83		Chrysene	1.195	1.228	-2.8	83	0.00
84		Bis(2-ethylhexyl)phthalate	0.774	0.881	-13.8	87	0.00
85	c	Di-n-octyl phthalate	1.240	1.479	-19.3	91	0.00
86	I	Perylene-d12	1.000	1.000	0.0	82	0.00
87		Indeno(1,2,3-cd)pyrene	1.396	1.445	-3.5	87	0.00
88		Benzo(b)fluoranthene	1.206	1.247	-3.4	86	0.01
89		Benzo(k)fluoranthene	1.180	1.183	-0.3	86	0.00
90	C	Benzo(a)pyrene	1.049	1.095	-4.4	88	0.00
91		Dibenzo(a,h)anthracene	1.161	1.200	-3.4	87	-0.01
92		Benzo(g,h,i)perylene	1.180	1.215	-3.0	87	0.02

Sample Results: **BP024259.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024259.D
Acq On : 11 Apr 2025 09:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 11 11:41:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Sample Results: **BP024259.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024259.D
Acq On : 11 Apr 2025 09:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 11 11:41:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 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	82	0.01
2		1,4-Dioxane	40.000	40.925	-2.3	88	0.00
3		Pyridine	40.000	40.556	-1.4	86	0.01
4		n-Nitrosodimethylamine	40.000	41.145	-2.9	88	0.01
5	S	2-Fluorophenol	80.000	82.143	-2.7	87	0.01
6		Aniline	40.000	41.192	-3.0	86	0.01
7	S	Phenol-d6	80.000	82.146	-2.7	86	0.01
8		2-Chlorophenol	40.000	40.913	-2.3	86	0.01
9		Benzaldehyde	40.000	38.882	2.8	82	0.01
10	C	Phenol	40.000	40.708	-1.8	86	0.00
11		bis(2-Chloroethyl)ether	40.000	40.818	-2.0	87	0.01
12		1,3-Dichlorobenzene	40.000	40.415	-1.0	87	0.01
13	C	1,4-Dichlorobenzene	40.000	39.966	0.1	86	0.01
14		1,2-Dichlorobenzene	40.000	39.691	0.8	85	0.01
15		Benzyl Alcohol	40.000	43.039	-7.6	89	0.01
16		2,2'-oxybis(1-Chloropropane	40.000	42.197	-5.5	91	0.02
17		2-Methylphenol	40.000	41.497	-3.7	86	0.01
18		Hexachloroethane	40.000	41.079	-2.7	87	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	42.243	-5.6	87	0.01
20		3+4-Methylphenols	40.000	41.480	-3.7	86	0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	82	0.00
22		Acetophenone	40.000	40.597	-1.5	85	0.01
23	S	Nitrobenzene-d5	80.000	83.710	-4.6	87	0.02
24		Nitrobenzene	40.000	41.580	-3.9	88	0.01
25		Isophorone	40.000	42.931	-7.3	89	0.00
26	C	2-Nitrophenol	40.000	45.579	-13.9	92	0.00
27		2,4-Dimethylphenol	40.000	41.809	-4.5	86	0.01
28		bis(2-Chloroethoxy)methane	40.000	41.465	-3.7	87	0.01
29	C	2,4-Dichlorophenol	40.000	42.257	-5.6	85	0.01
30		1,2,4-Trichlorobenzene	40.000	40.668	-1.7	86	0.01
31		Naphthalene	40.000	40.751	-1.9	86	0.00
32		Benzoic acid	40.000	49.957	-24.9	99	0.01
33		4-Chloroaniline	40.000	40.916	-2.3	85	0.01
34	C	Hexachlorobutadiene	40.000	40.556	-1.4	86	0.01
35		Caprolactam	40.000	44.371	-10.9	89	0.01
36	C	4-Chloro-3-methylphenol	40.000	43.522	-8.8	89	0.00
37		2-Methylnaphthalene	40.000	41.045	-2.6	86	0.01
38		1-Methylnaphthalene	40.000	40.926	-2.3	87	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	81	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.030	-0.1	84	0.01
41	P	Hexachlorocyclopentadiene	40.000	42.934	-7.3	85	0.00
42	S	2,4,6-Tribromophenol	80.000	88.545	-10.7	90	0.02
43	C	2,4,6-Trichlorophenol	40.000	43.220	-8.0	87	0.00
44		2,4,5-Trichlorophenol	40.000	43.236	-8.1	86	0.00
45	S	2-Fluorobiphenyl	80.000	79.486	0.6	83	0.00
46		1,1'-Biphenyl	40.000	40.542	-1.4	85	0.00
47		2-Chloronaphthalene	40.000	40.465	-1.2	85	0.00

Sample Results: **BP024259.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024259.D
Acq On : 11 Apr 2025 09:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 11 11:41:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 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	45.527	-13.8	91	0.00
49		Acenaphthylene	40.000	41.760	-4.4	87	0.00
50		Dimethylphthalate	40.000	41.667	-4.2	87	0.00
51		2,6-Dinitrotoluene	40.000	43.255	-8.1	88	0.01
52	C	Acenaphthene	40.000	40.781	-2.0	85	0.00
53		3-Nitroaniline	40.000	43.848	-9.6	88	0.01
54	P	2,4-Dinitrophenol	40.000	47.115	-17.8	93	0.00
55		Dibenzofuran	40.000	40.350	-0.9	85	0.00
56	P	4-Nitrophenol	40.000	45.756	-14.4	89	0.02
57		2,4-Dinitrotoluene	40.000	44.371	-10.9	89	0.00
58		Fluorene	40.000	40.700	-1.8	85	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	42.129	-5.3	85	0.01
60		Diethylphthalate	40.000	42.381	-6.0	88	0.01
61		4-Chlorophenyl-phenylether	40.000	40.103	-0.3	84	0.00
62		4-Nitroaniline	40.000	43.364	-8.4	85	0.00
63		Azobenzene	40.000	42.541	-6.4	88	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	83	0.01
65		4,6-Dinitro-2-methylphenol	40.000	44.075	-10.2	90	0.00
66	c	n-Nitrosodiphenylamine	40.000	41.426	-3.6	87	0.02
67		4-Bromophenyl-phenylether	40.000	41.592	-4.0	87	0.02
68		Hexachlorobenzene	40.000	41.213	-3.0	87	0.01
69		Atrazine	40.000	40.396	-1.0	90	0.02
70	C	Pentachlorophenol	40.000	45.717	-14.3	89	0.01
71		Phenanthrene	40.000	41.003	-2.5	85	0.01
72		Anthracene	40.000	41.409	-3.5	86	0.02
73		Carbazole	40.000	42.115	-5.3	86	0.01
74		Di-n-butylphthalate	40.000	44.419	-11.0	89	0.01
75	C	Fluoranthene	40.000	41.916	-4.8	87	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	79	0.00
77		Benzidine	40.000	75.598	-89.0#	126	0.00
78		Pyrene	40.000	42.418	-6.0	86	0.00
79	S	Terphenyl-d14	80.000	84.305	-5.4	85	0.00
80		Butylbenzylphthalate	40.000	46.750	-16.9	90	0.00
81		Benzo(a)anthracene	40.000	41.152	-2.9	83	0.00
82		3,3'-Dichlorobenzidine	40.000	46.547	-16.4	89	0.00
83		Chrysene	40.000	41.095	-2.7	83	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	45.528	-13.8	87	0.00
85	c	Di-n-octyl phthalate	40.000	47.734	-19.3	91	0.00
86	I	Perylene-d12	20.000	20.000	0.0	82	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	41.422	-3.6	87	0.00
88		Benzo(b)fluoranthene	40.000	41.362	-3.4	86	0.01
89		Benzo(k)fluoranthene	40.000	40.100	-0.3	86	0.00
90	C	Benzo(a)pyrene	40.000	41.754	-4.4	88	0.00
91		Dibenzo(a,h)anthracene	40.000	41.326	-3.3	87	-0.01
92		Benzo(g,h,i)perylene	40.000	41.156	-2.9	87	0.02

Sample Results: **BP024259.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024259.D
Acq On : 11 Apr 2025 09:43
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Apr 11 11:41:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

QC SAMPLE DATA

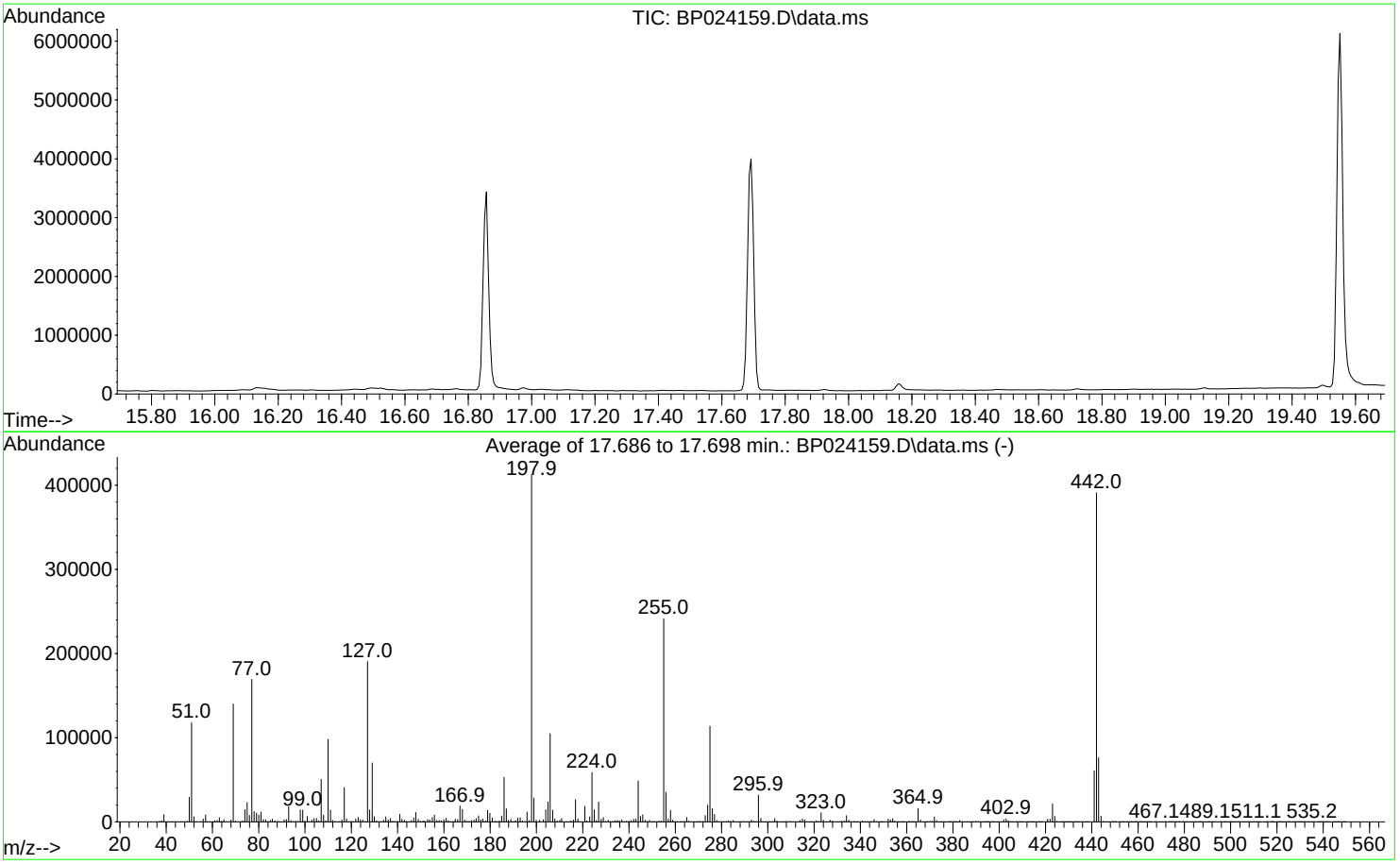
Sample Results: **BP024159.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024159.D
Acq On : 12 Mar 2025 15:36
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-BP031225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Mar 13 05:55:58 2025



AutoFind: Scans 2482, 2483, 2484; Background Corrected with Scan 2472

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	28.5	117822	PASS
68	69	0.00	2	1.6	2280	PASS
69	198	0.00	100	33.9	139938	PASS
70	69	0.00	2	0.6	822	PASS
127	198	10	80	46.1	190399	PASS
197	198	0.00	2	0.4	1468	PASS
198	198	100	100	100.0	412716	PASS
199	198	5	9	6.8	28114	PASS
275	198	10	60	27.5	113624	PASS
365	198	1	100	3.8	15804	PASS
441	198	0.01	100	14.7	60679	PASS
442	442	100	100	100.0	391061	PASS
443	442	15	24	19.5	76081	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
3/12/2025	BNA_P	BP024159.D
Compound Name	**Response**	**Retention Time**
DDT	1535436	20.851
DDD	16722	20.439
DDE	443	19.827
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
17165	1552601	1.11

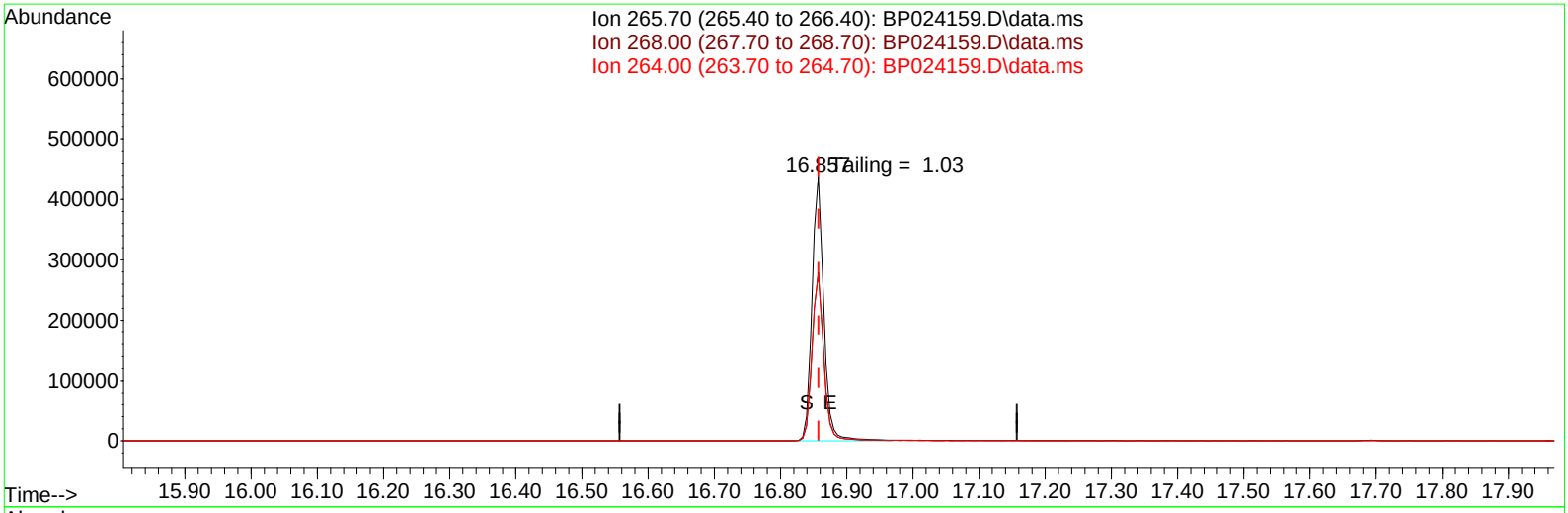
Instrument :
BNA_P
ClientSampleId :
DFTPP

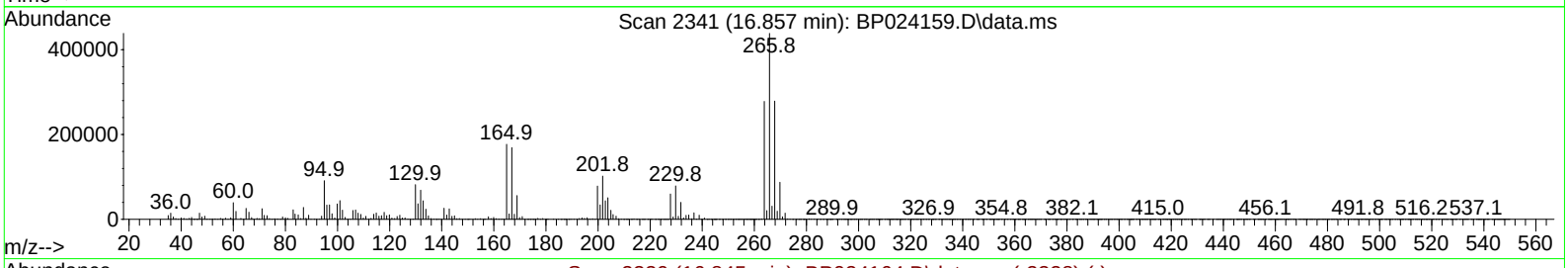
Sample Results: **BP024159.D**

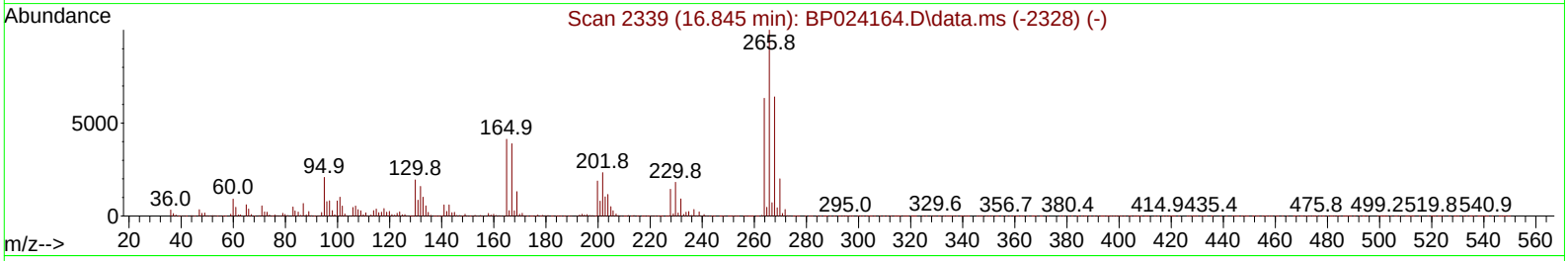
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024159.D
Acq On : 12 Mar 2025 15:36
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Mar 13 05:56:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration







TIC: BP024159.D\data.ms

(70) Pentachlorophenol (C)

16.857min (0.000) 4607317.61 ng

response 542052

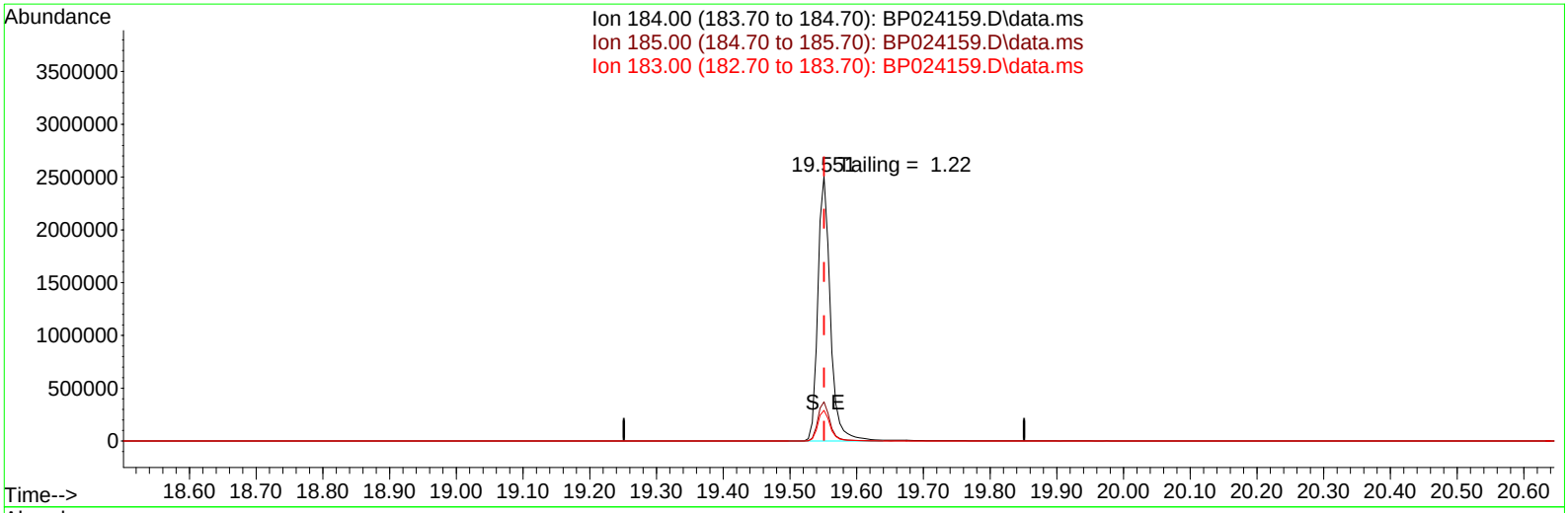
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.10	63.56
264.00	63.30	63.37
0.00	0.00	0.00

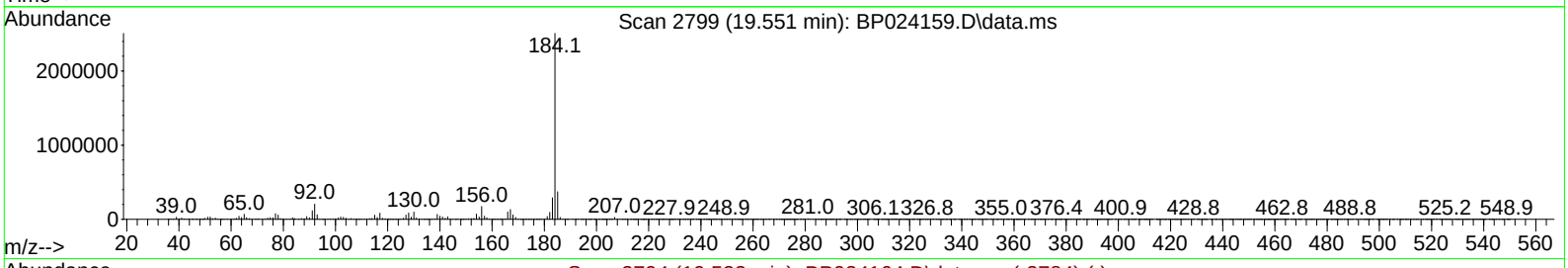
Sample Results: **BP024159.D**

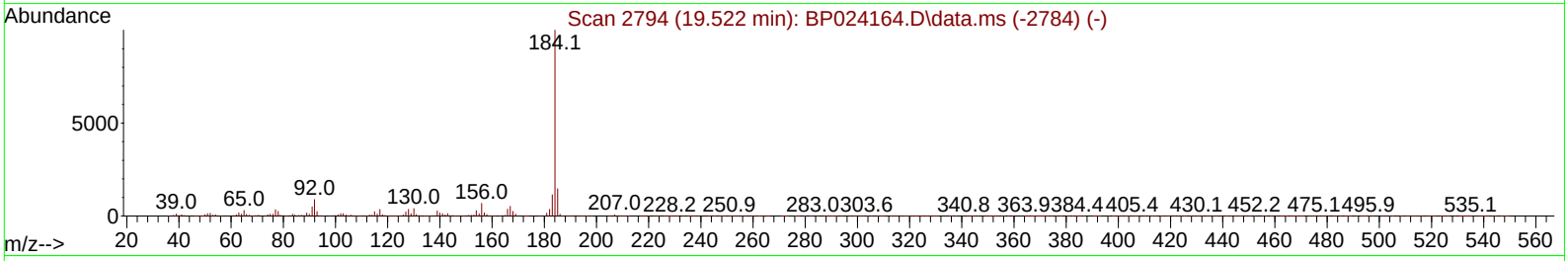
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031225\
Data File : BP024159.D
Acq On : 12 Mar 2025 15:36
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Mar 13 05:56:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 13 05:55:58 2025
Response via : Initial Calibration







TIC: BP024159.D\data.ms

(77) Benzidine

19.551min (0.000) 3117449.49 ng

response 3272103

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.70	14.81
183.00	11.40	11.59
0.00	0.00	0.00

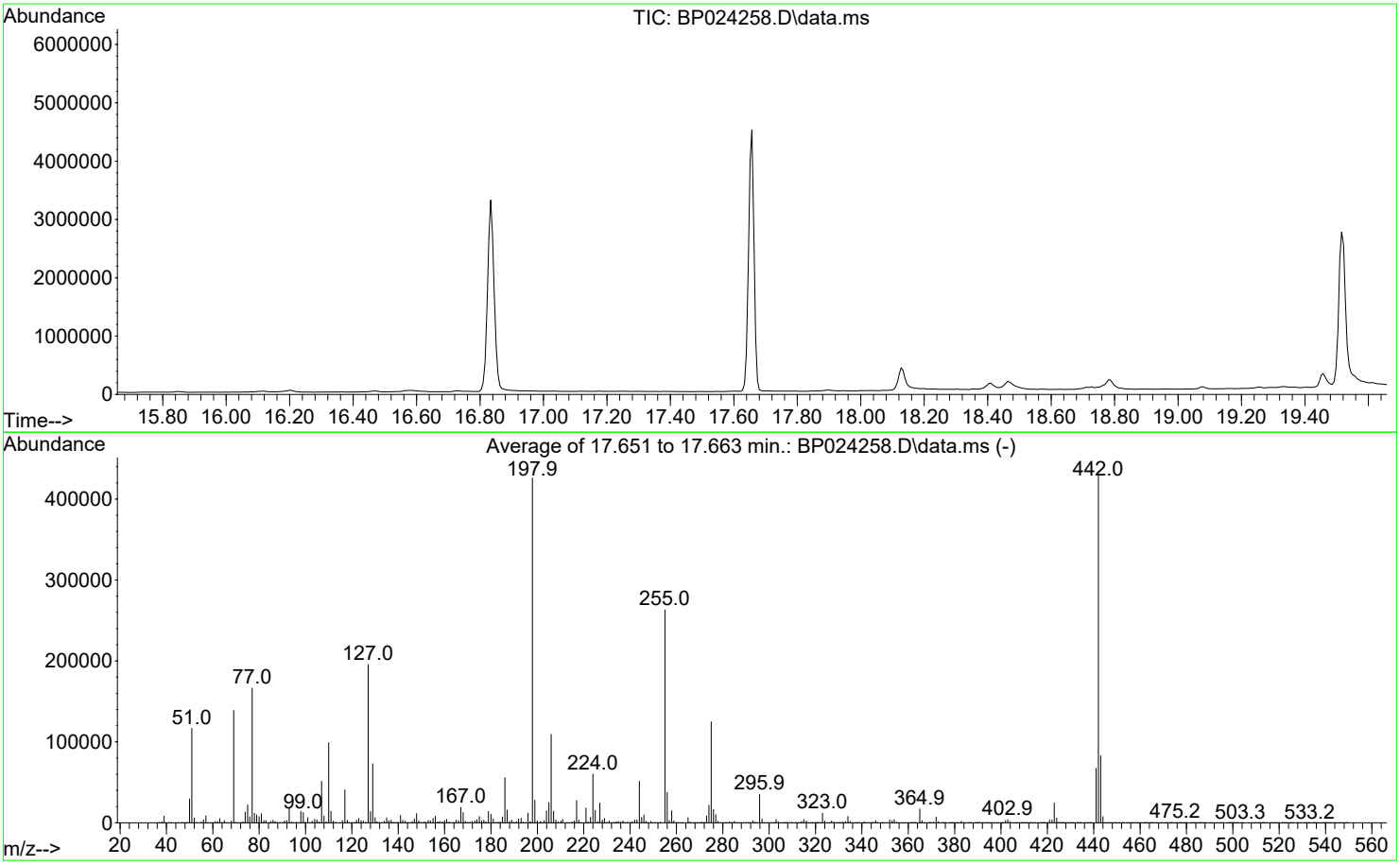
Sample Results: **BP024258.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024258.D
Acq On : 11 Apr 2025 09:02
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-BP031225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Apr 10 11:43:37 2025



AutoFind: Scans 2476, 2477, 2478; Background Corrected with Scan 2466

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	27.3	116544	PASS
68	69	0.00	2	1.6	2269	PASS
69	198	0.00	100	32.6	138884	PASS
70	69	0.00	2	0.5	666	PASS
127	198	10	80	45.8	195236	PASS
197	198	0.00	2	0.3	1196	PASS
198	198	100	100	100.0	426139	PASS
199	198	5	9	6.6	28093	PASS
275	198	10	60	29.3	124879	PASS
365	198	1	100	4.0	17122	PASS
441	198	0.01	100	15.8	67363	PASS
442	442	100	100	100.0	429674	PASS
443	442	15	24	19.3	82798	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
4/11/2025	BNA_P	BP024258.D
Compound Name	**Response**	**Retention Time**
DDT	1500117	20.81
DDD	28536	20.351
DDE	1243	19.816
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
29779	1529896	1.95

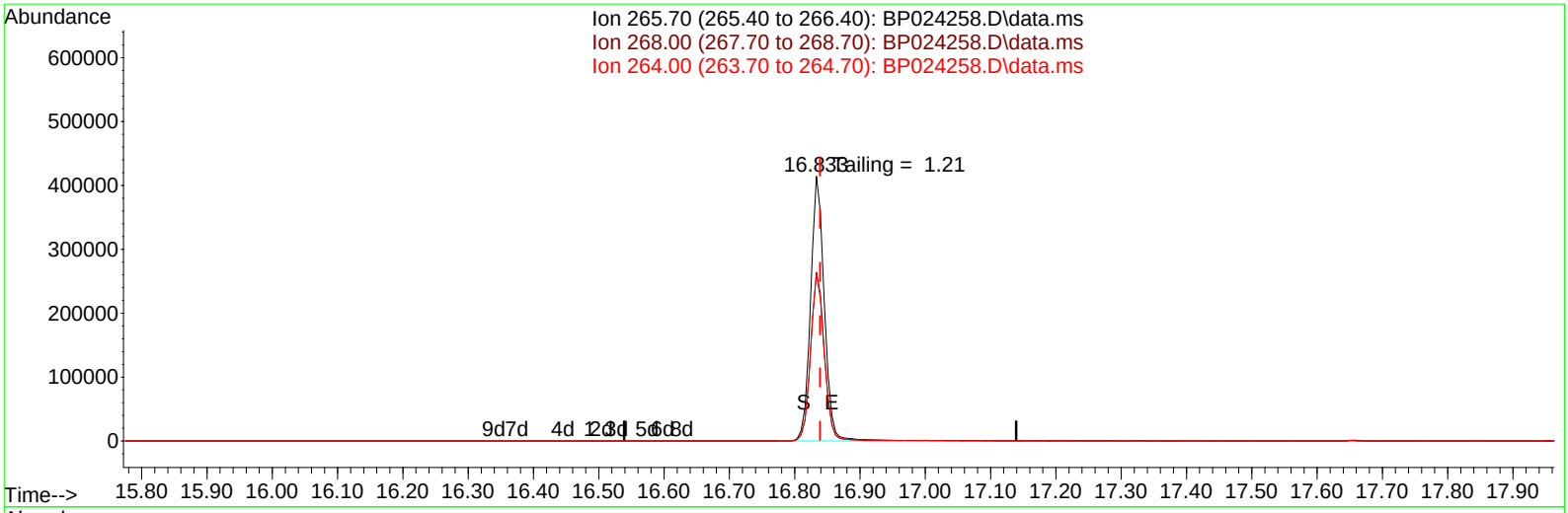
Instrument :
BNA_P
ClientSampleId :
DFTPP

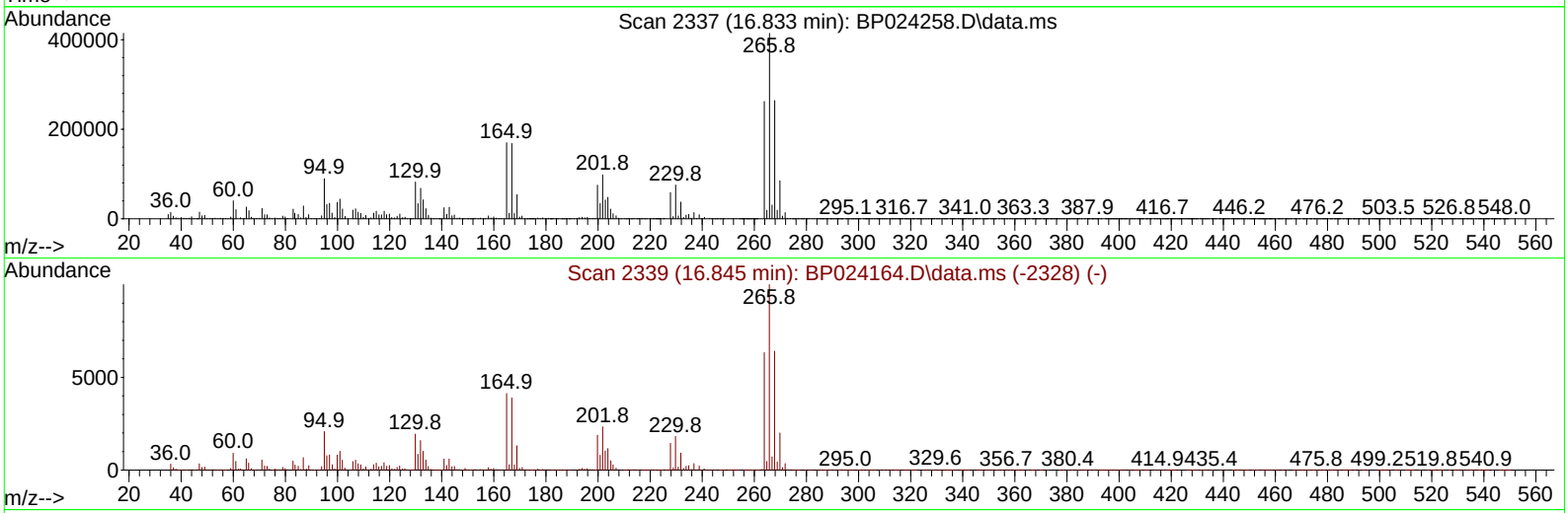
Sample Results: **BP024258.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024258.D
Acq On : 11 Apr 2025 09:02
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Apr 11 11:43:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 2025
Response via : Initial Calibration





TIC: BP024258.D\data.ms

(70) Pentachlorophenol (C)

16.833min (-0.006) 217282.06 ng m

response 608041

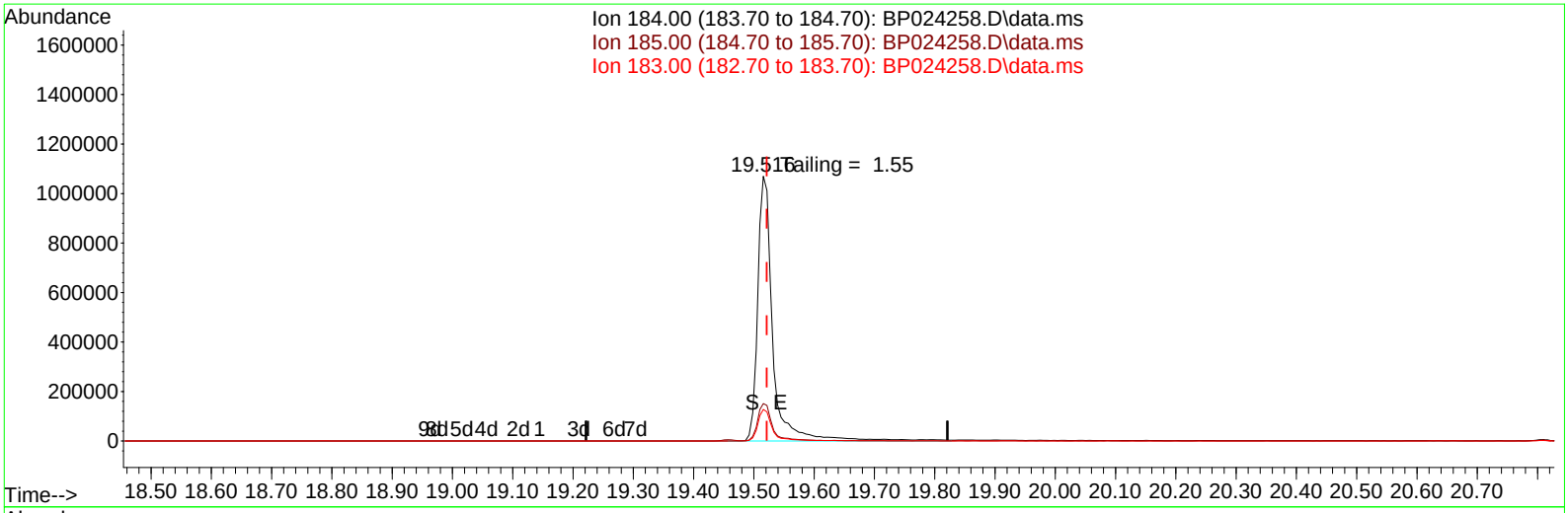
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.10	63.74
264.00	63.30	63.20
0.00	0.00	0.00

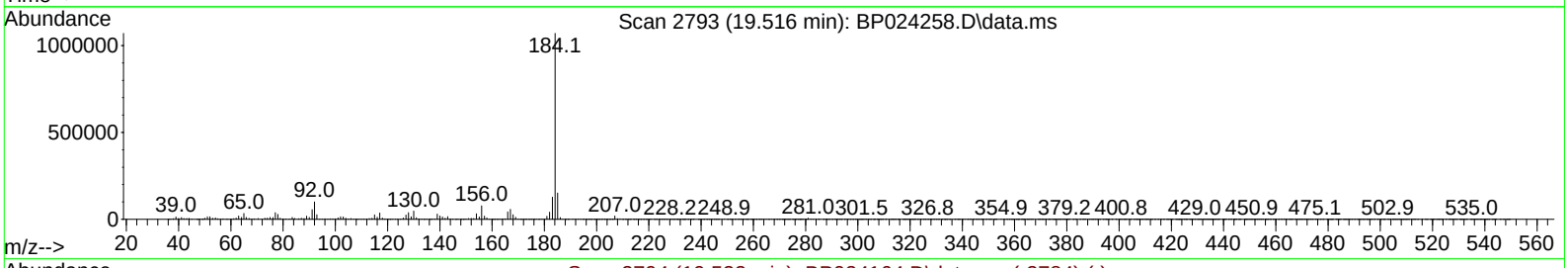
Sample Results: **BP024258.D**

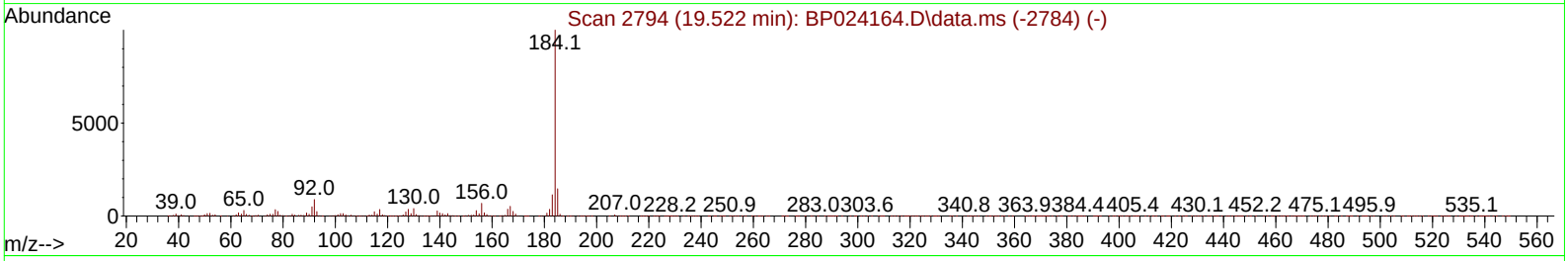
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024258.D
Acq On : 11 Apr 2025 09:02
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Apr 11 11:43:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 2025
Response via : Initial Calibration







TIC: BP024258.D\data.ms

(77) Benzidine

19.516min (-0.006) 993482.96 ng m

response 1879156

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.70	14.14
183.00	11.40	11.94
0.00	0.00	0.00

Raw Data: **BP024260.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167537BL	SDG No.:	Q1744
Lab Sample ID:	PB167537BL	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024260.D	1	04/09/25 13:25	04/11/25 10:23	PB167537

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	1.30	U	1.30	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.53	U	0.53	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.0	ug/L
67-72-1	Hexachloroethane	0.65	U	0.65	5.00	ug/L
98-95-3	Nitrobenzene	0.76	U	0.76	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.54	U	0.54	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	0.51	U	0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	0.62	U	0.62	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
118-74-1	Hexachlorobenzene	0.52	U	0.52	5.00	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	154		15 (10) - 110 (139)	103%	SPK: 150
13127-88-3	Phenol-d6	142		15 (10) - 110 (134)	95%	SPK: 150
4165-60-0	Nitrobenzene-d5	102		30 (49) - 130 (133)	102%	SPK: 100
321-60-8	2-Fluorobiphenyl	100		30 (52) - 130 (132)	100%	SPK: 100
118-79-6	2,4,6-Tribromophenol	163		15 (44) - 110 (137)	109%	SPK: 150
1718-51-0	Terphenyl-d14	107		30 (48) - 130 (125)	107%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	279000	7.757			
1146-65-2	Naphthalene-d8	1100000	10.54			
15067-26-2	Acenaphthene-d10	638000	14.386			
1517-22-2	Phenanthrene-d10	1230000	17.192			
1719-03-5	Chrysene-d12	1260000	21.639			
1520-96-3	Perylene-d12	1410000	25.003			

Raw Data: **BP024260.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:			
Project:	Amtrak Sawtooth Bridges 2025			Date Received:			
Client Sample ID:	PB167537BL			SDG No.:	Q1744		
Lab Sample ID:	PB167537BL			Matrix:	TCLP		
Analytical Method:	SW8270			% Solid:	0		
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000		uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA		
Extraction Type :			Decanted : N	Level :	LOW		
Injection Volume :			GPC Factor : 1.0	GPC Cleanup :	N	PH :	
Prep Method :	SW3510C						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024260.D	1	04/09/25 13:25	04/11/25 10:23	PB167537

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024260.D
Acq On : 11 Apr 2025 10:23
Operator : RC/JU
Sample : PB167537BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167537BL

Quant Time: Apr 11 11:44:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 2025
Response via : Initial Calibration

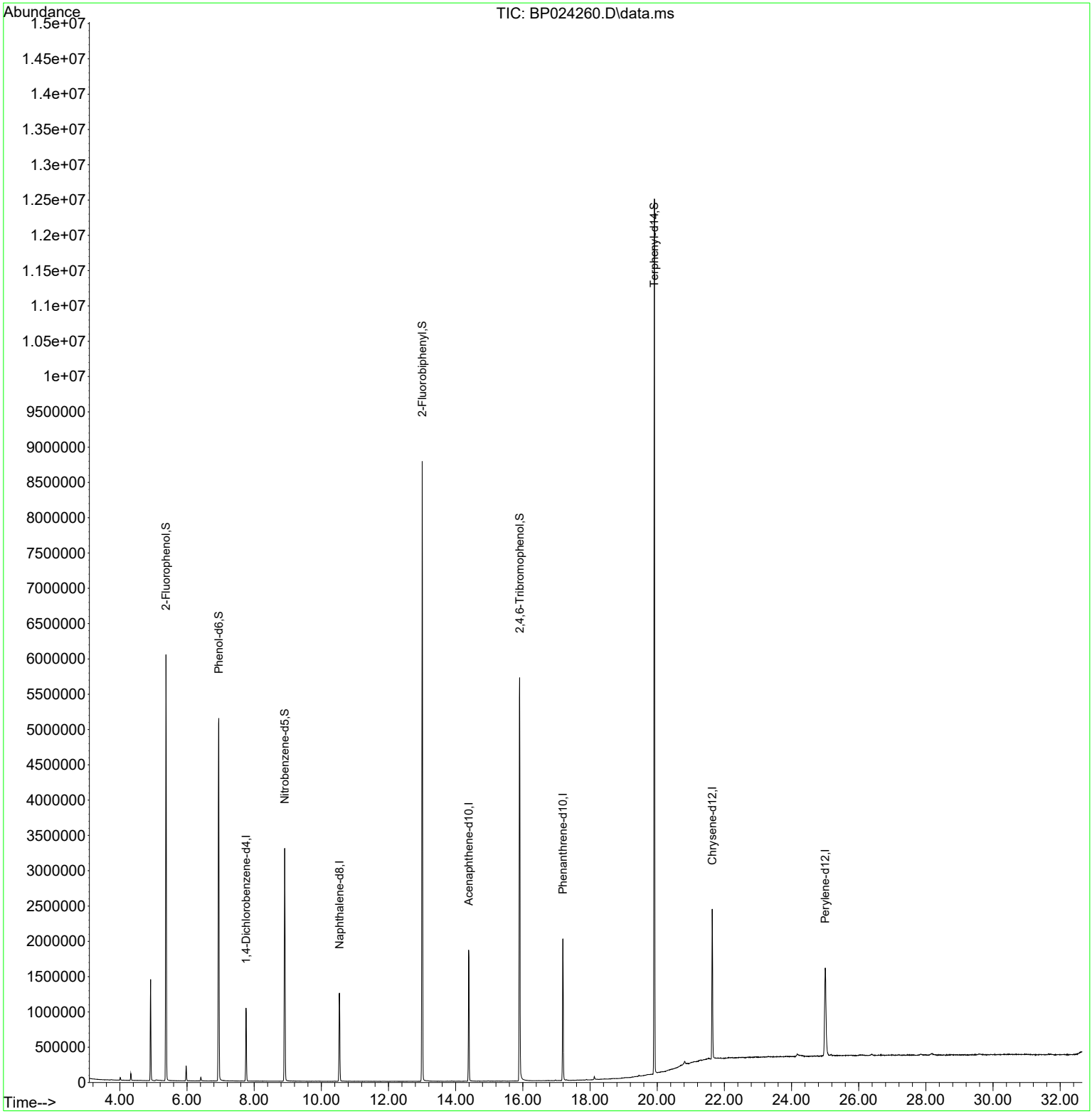
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.757	152	279458	20.000	ng	0.01
21) Naphthalene-d8	10.540	136	1100931	20.000	ng	0.01
39) Acenaphthene-d10	14.386	164	638188	20.000	ng	0.00
64) Phenanthrene-d10	17.192	188	1225652	20.000	ng	0.00
76) Chrysene-d12	21.639	240	1255527	20.000	ng	0.00
86) Perylene-d12	25.003	264	1409207	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	2704618	154.490	ng	0.02
7) Phenol-d6	6.946	99	3332016	142.326	ng	0.02
23) Nitrobenzene-d5	8.910	82	1999498	102.471	ng	0.02
42) 2,4,6-Tribromophenol	15.904	330	1311135	163.101	ng	0.00
45) 2-Fluorobiphenyl	13.004	172	4338513	100.241	ng	0.00
79) Terphenyl-d14	19.916	244	6507421	106.989	ng	0.00
Target Compounds						Qvalue

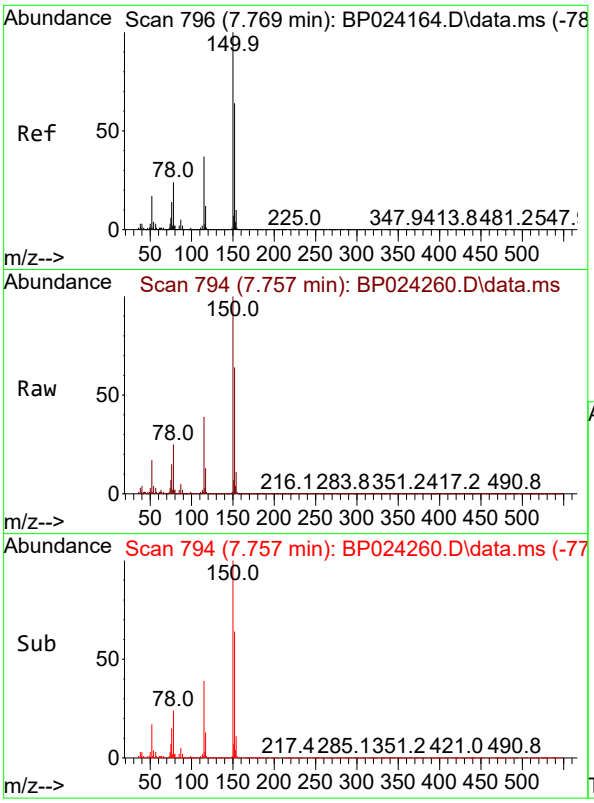
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024260.D
Acq On : 11 Apr 2025 10:23
Operator : RC/JU
Sample : PB167537BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167537BL

Quant Time: Apr 11 11:44:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 2025
Response via : Initial Calibration



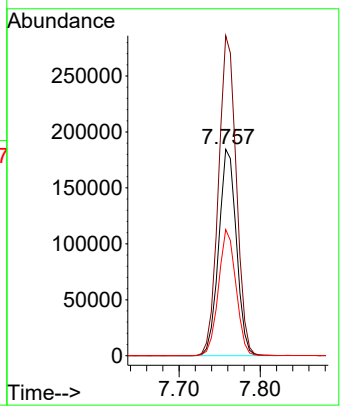


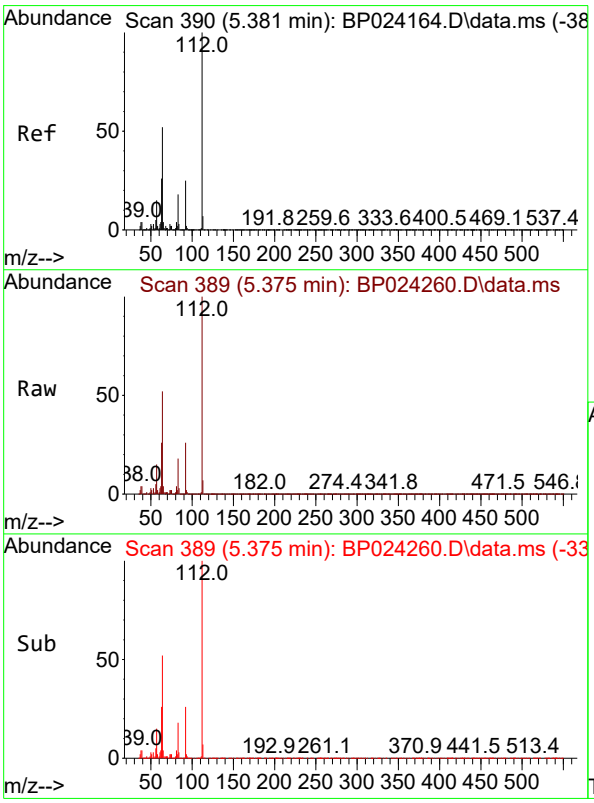
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.757 min Scan# 7
Delta R.T. 0.011 min
Lab File: BP024260.D
Acq: 11 Apr 2025 10:23

Instrument :
BNA_P
ClientSampleId :
PB167537BL

Tgt Ion:152 Resp: 279458

Ion	Ratio	Lower	Upper
152	100		
150	155.0	125.5	188.3
115	61.1	46.3	69.5

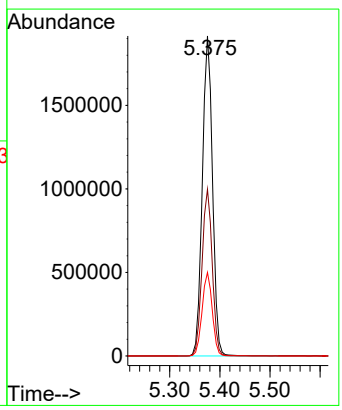


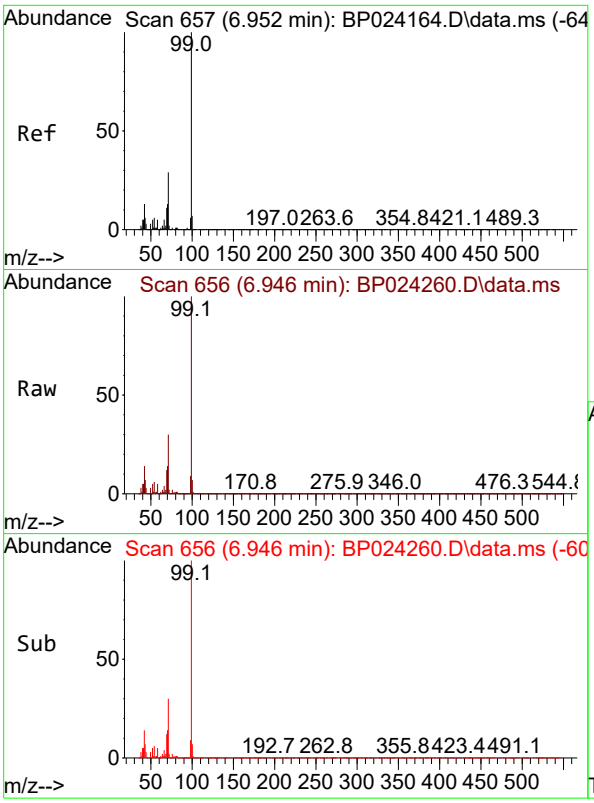


#5
2-Fluorophenol
Concen: 154.490 ng
RT: 5.375 min Scan# 389
Delta R.T. 0.018 min
Lab File: BP024260.D
Acq: 11 Apr 2025 10:23

Tgt Ion:112 Resp: 2704618

Ion	Ratio	Lower	Upper
112	100		
64	52.1	41.3	61.9
63	26.1	20.6	31.0



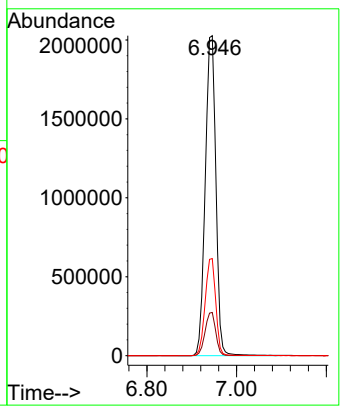


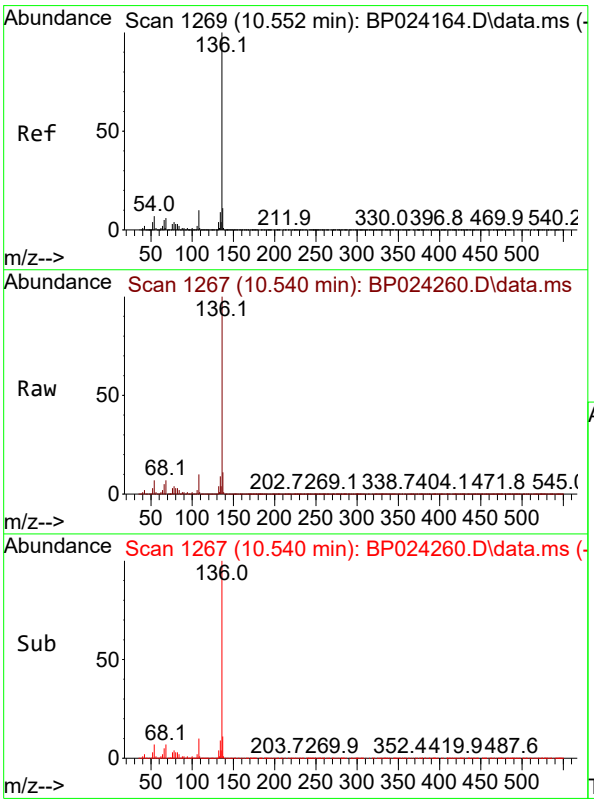
#7
Phenol-d6
Concen: 142.326 ng
RT: 6.946 min Scan# 6
Delta R.T. 0.018 min
Lab File: BP024260.D
Acq: 11 Apr 2025 10:23

Instrument :
BNA_P
ClientSampleId :
PB167537BL

Tgt Ion: 99 Resp: 3332016

Ion	Ratio	Lower	Upper
99	100		
42	13.5	10.6	16.0
71	30.4	23.3	34.9

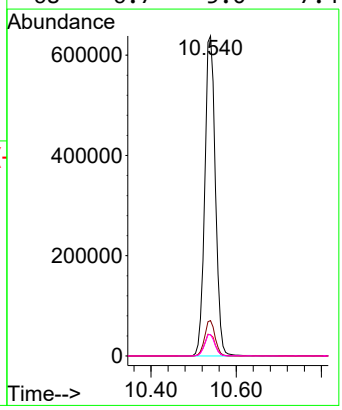


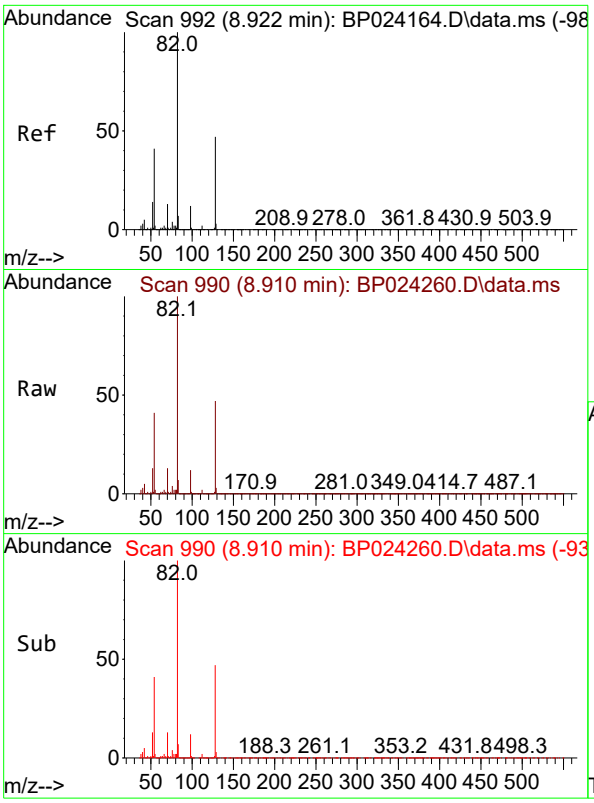


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.540 min Scan# 1267
Delta R.T. 0.012 min
Lab File: BP024260.D
Acq: 11 Apr 2025 10:23

Tgt Ion:136 Resp: 1100931

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	6.6	5.3	7.9
68	6.7	5.0	7.4



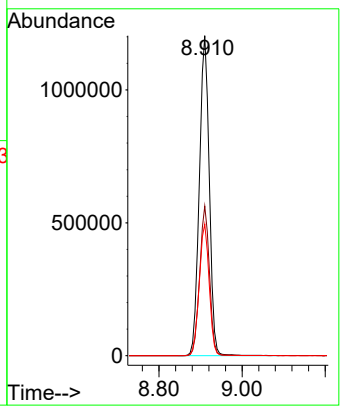


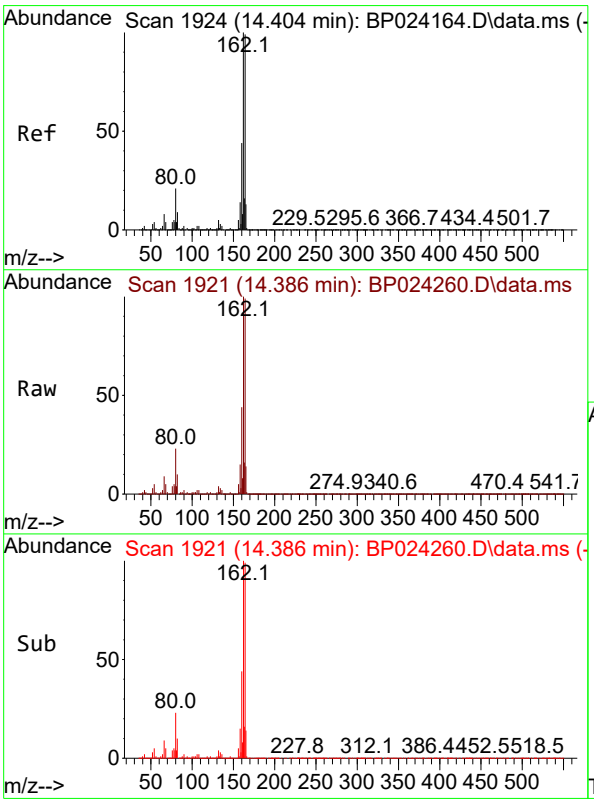
#23
Nitrobenzene-d5
Concen: 102.471 ng
RT: 8.910 min Scan# 9
Delta R.T. 0.018 min
Lab File: BP024260.D
Acq: 11 Apr 2025 10:23

Instrument :
BNA_P
ClientSampleId :
PB167537BL

Tgt Ion: 82 Resp: 1999498

Ion	Ratio	Lower	Upper
82	100		
128	46.7	37.4	56.0
54	41.2	32.5	48.7

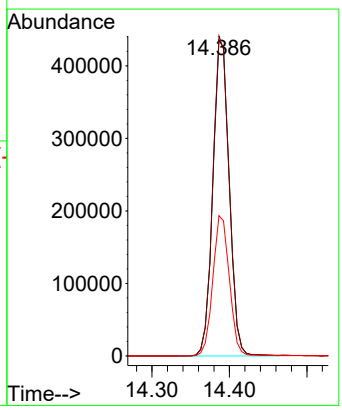


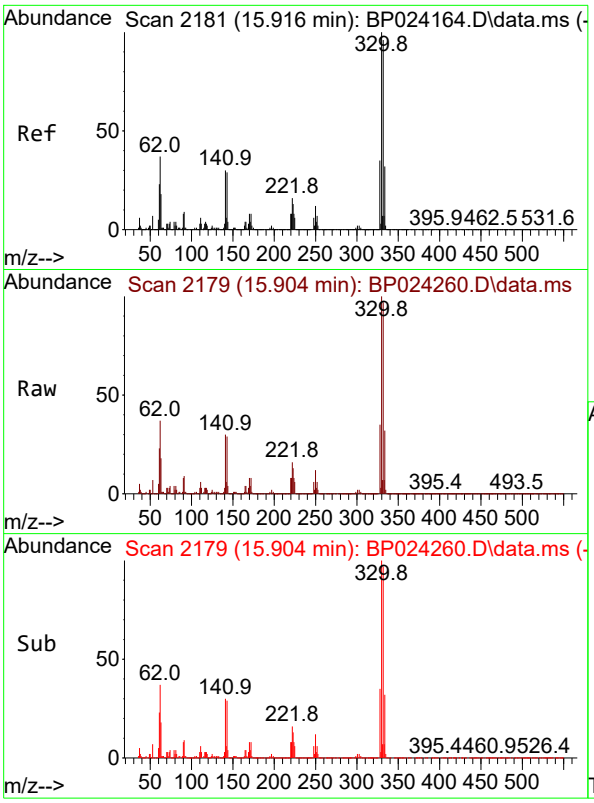


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.386 min Scan# 1921
Delta R.T. -0.006 min
Lab File: BP024260.D
Acq: 11 Apr 2025 10:23

Tgt Ion:164 Resp: 638188

Ion	Ratio	Lower	Upper
164	100		
162	101.4	80.6	121.0
160	44.5	35.4	53.2



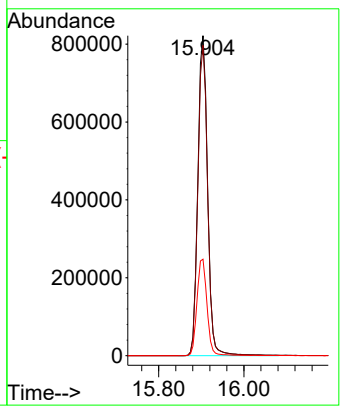


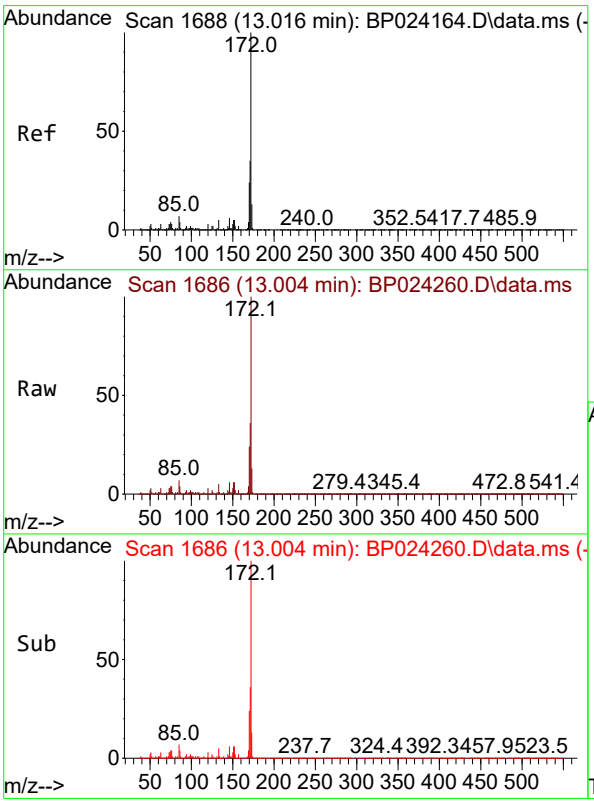
#42
2,4,6-Tribromophenol
Concen: 163.101 ng
RT: 15.904 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024260.D
Acq: 11 Apr 2025 10:23

Instrument :
BNA_P
ClientSampleId :
PB167537BL

Tgt Ion:330 Resp: 1311135

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.6	116.4
141	30.9	25.0	37.6

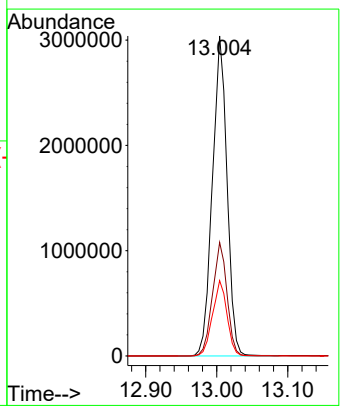


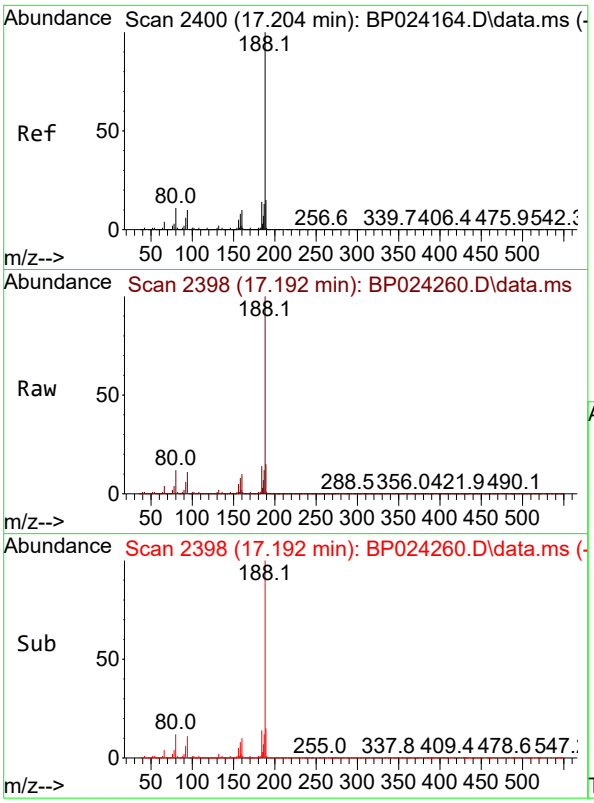


#45
2-Fluorobiphenyl
Concen: 100.241 ng
RT: 13.004 min Scan# 1686
Delta R.T. 0.006 min
Lab File: BP024260.D
Acq: 11 Apr 2025 10:23

Tgt Ion:172 Resp: 4338513

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.3	42.5
170	23.6	19.0	28.4



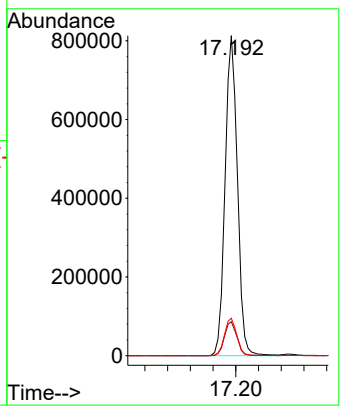


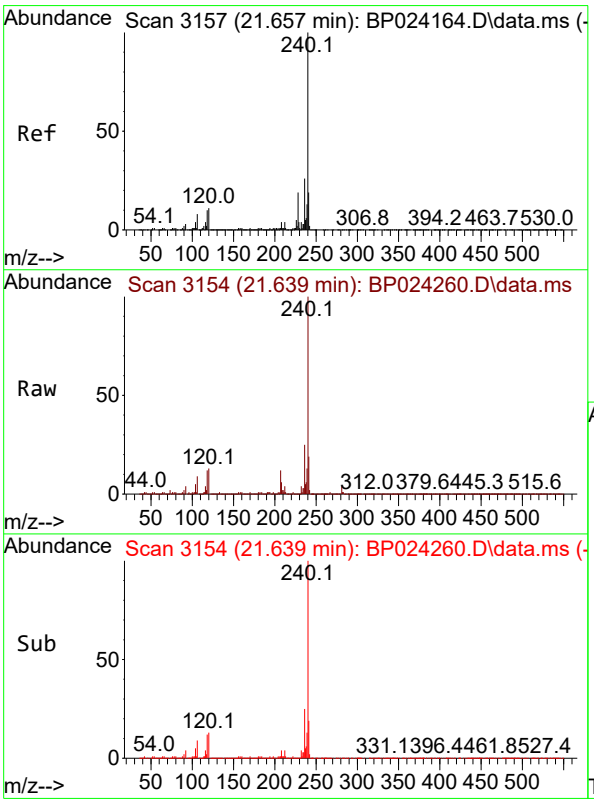
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.192 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024260.D
Acq: 11 Apr 2025 10:23

Instrument :
BNA_P
ClientSampleId :
PB167537BL

Tgt Ion:188 Resp: 1225652

Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.1	12.1
80	11.7	8.9	13.3

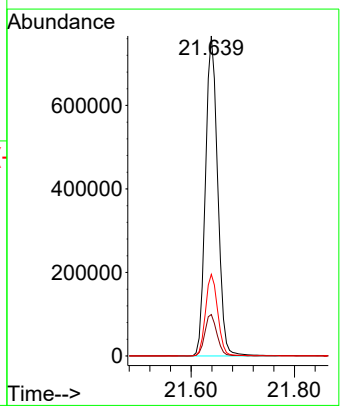


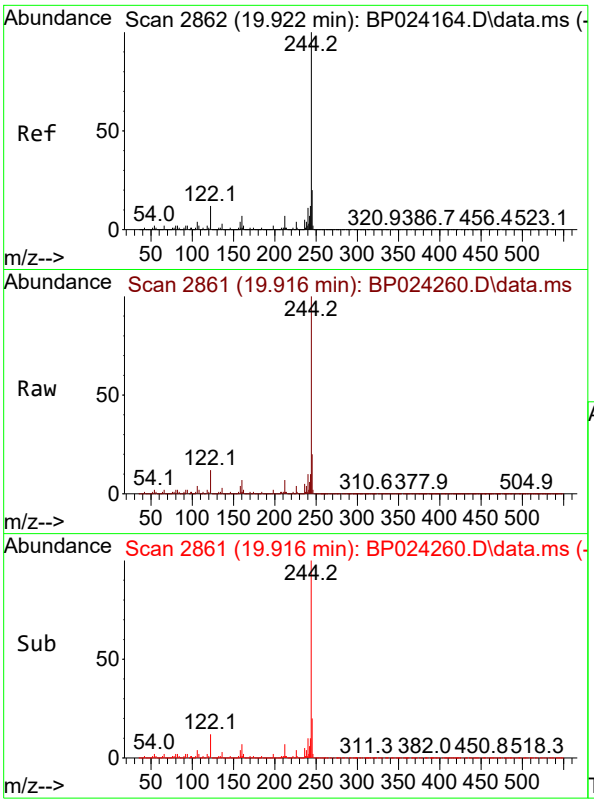


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.639 min Scan# 3154
Delta R.T. -0.006 min
Lab File: BP024260.D
Acq: 11 Apr 2025 10:23

Tgt Ion:240 Resp: 1255527

Ion	Ratio	Lower	Upper
240	100		
120	12.9	9.2	13.8
236	25.5	20.4	30.6



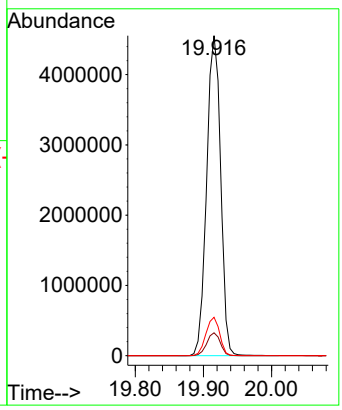


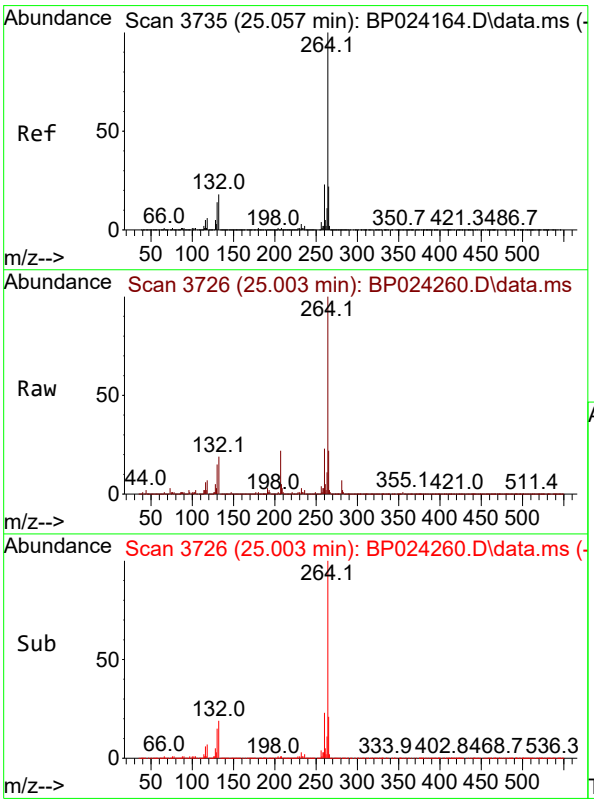
#79
Terphenyl-d14
Concen: 106.989 ng
RT: 19.916 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP024260.D
Acq: 11 Apr 2025 10:23

Instrument :
BNA_P
ClientSampleId :
PB167537BL

Tgt Ion:244 Resp: 6507421

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.7	8.5
122	12.0	9.6	14.4

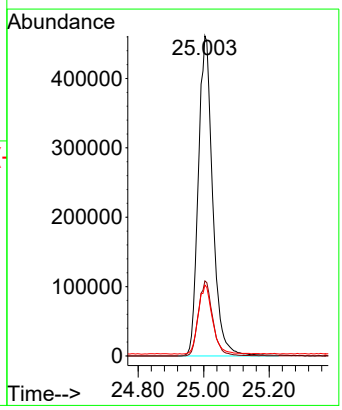




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.003 min Scan# 3726
Delta R.T. -0.006 min
Lab File: BP024260.D
Acq: 11 Apr 2025 10:23

Tgt Ion:264 Resp: 1409207

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.5	27.7
265	22.1	17.7	26.5



Raw Data: **BP024261.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167537BS	SDG No.:	Q1744
Lab Sample ID:	PB167537BS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024261.D	1	04/09/25 13:25	04/11/25 11:04	PB167537

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	42.6		1.30	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	49.4		0.53	5.00	ug/L
95-48-7	2-Methylphenol	54.4		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	53.8		1.10	10.0	ug/L
67-72-1	Hexachloroethane	50.3		0.65	5.00	ug/L
98-95-3	Nitrobenzene	51.1		0.76	5.00	ug/L
87-68-3	Hexachlorobutadiene	50.0		0.54	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	53.7		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	53.9		0.62	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	59.4		1.20	5.00	ug/L
118-74-1	Hexachlorobenzene	50.4		0.52	5.00	ug/L
87-86-5	Pentachlorophenol	110	E	1.60	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	155		15 (10) - 110 (139)	104%	SPK: 150
13127-88-3	Phenol-d6	146		15 (10) - 110 (134)	97%	SPK: 150
4165-60-0	Nitrobenzene-d5	102		30 (49) - 130 (133)	102%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.7		30 (52) - 130 (132)	95%	SPK: 100
118-79-6	2,4,6-Tribromophenol	167	*	15 (44) - 110 (137)	111%	SPK: 150
1718-51-0	Terphenyl-d14	103		30 (48) - 130 (125)	103%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	252000	7.757			
1146-65-2	Naphthalene-d8	1000000	10.534			
15067-26-2	Acenaphthene-d10	619000	14.387			
1517-22-2	Phenanthrene-d10	1220000	17.192			
1719-03-5	Chrysene-d12	1330000	21.639			
1520-96-3	Perylene-d12	1490000	25.015			

Raw Data: **BP024261.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025			Date Received:	
Client Sample ID:	PB167537BS			SDG No.:	Q1744
Lab Sample ID:	PB167537BS			Matrix:	TCLP
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024261.D	1	04/09/25 13:25	04/11/25 11:04	PB167537

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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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\BP041125\
Data File : BP024261.D
Acq On : 11 Apr 2025 11:04
Operator : RC/JU
Sample : PB167537BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Quant Time: Apr 11 11:44:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.757	152	252310	20.000	ng		0.01
21) Naphthalene-d8	10.534	136	1001041	20.000	ng		0.00
39) Acenaphthene-d10	14.387	164	619477	20.000	ng		0.00
64) Phenanthrene-d10	17.192	188	1216306	20.000	ng		0.00
76) Chrysene-d12	21.639	240	1332930	20.000	ng		0.00
86) Perylene-d12	25.015	264	1494830	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.375	112	2457503	155.478	ng		0.02
7) Phenol-d6	6.946	99	3088087	146.100	ng		0.02
23) Nitrobenzene-d5	8.904	82	1808569	101.935	ng		0.01
42) 2,4,6-Tribromophenol	15.904	330	1304316	167.154	ng		0.00
45) 2-Fluorobiphenyl	13.004	172	3979657	94.727	ng		0.00
79) Terphenyl-d14	19.916	244	6678080	103.419	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.317	88	275740	44.010	ng		96
3) Pyridine	3.705	79	729965	42.618	ng		97
4) n-Nitrosodimethylamine	3.616	42	284386	49.704	ng		99
6) Aniline	7.093	93	756103	39.262	ng		99
8) 2-Chlorophenol	7.328	128	883003	51.719	ng		98
9) Benzaldehyde	6.910	77	381416	37.393	ng		98
10) Phenol	6.969	94	1106401	51.852	ng		99
11) bis(2-Chloroethyl)ether	7.187	93	821599	48.826	ng		98
12) 1,3-Dichlorobenzene	7.652	146	919609	49.948	ng		100
13) 1,4-Dichlorobenzene	7.793	146	928493	49.392	ng		98
14) 1,2-Dichlorobenzene	8.110	146	890037	49.339	ng		99
15) Benzyl Alcohol	7.999	79	699969	52.308	ng		100
16) 2,2'-oxybis(1-Chloropr...	8.275	45	906561	52.787	ng		96
17) 2-Methylphenol	8.199	107	728420	54.439	ng		99
18) Hexachloroethane	8.828	117	335774	50.346	ng		98
19) n-Nitroso-di-n-propyla...	8.557	70	598100	48.775	ng		98
20) 3+4-Methylphenols	8.528	107	988752	53.787	ng		98
22) Acetophenone	8.575	105	1224869	48.398	ng	#	99
24) Nitrobenzene	8.951	77	895136	51.143	ng		100
25) Isophorone	9.475	82	1672734	55.000	ng		100
26) 2-Nitrophenol	9.651	139	452073	54.073	ng		99
27) 2,4-Dimethylphenol	9.716	122	809364	75.286	ng		98
28) bis(2-Chloroethoxy)met...	9.946	93	1078110	50.389	ng		99
29) 2,4-Dichlorophenol	10.187	162	773936	53.217	ng		98
30) 1,2,4-Trichlorobenzene	10.398	180	791203	49.242	ng		98
31) Naphthalene	10.587	128	2549853	48.052	ng		100
32) Benzoic acid	9.869	122	602900	57.503	ng		99
33) 4-Chloroaniline	10.698	127	353588	18.620	ng		99
34) Hexachlorobutadiene	10.869	225	462030	49.964	ng		99
35) Caprolactam	11.487	113	274543	57.601	ng		97
36) 4-Chloro-3-methylphenol	11.828	107	867963	55.324	ng		98
37) 2-Methylnaphthalene	12.198	142	1589529	44.340	ng		99
38) 1-Methylnaphthalene	12.416	142	1699342	48.737	ng		99
40) 1,2,4,5-Tetrachloroben...	12.569	216	852812	47.624	ng		99
41) Hexachlorocyclopentadiene	12.551	237	1234479	191.246	ng		98
43) 2,4,6-Trichlorophenol	12.810	196	611555	53.738	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024261.D
Acq On : 11 Apr 2025 11:04
Operator : RC/JU
Sample : PB167537BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Quant Time: Apr 11 11:44:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 2025
Response via : Initial Calibration

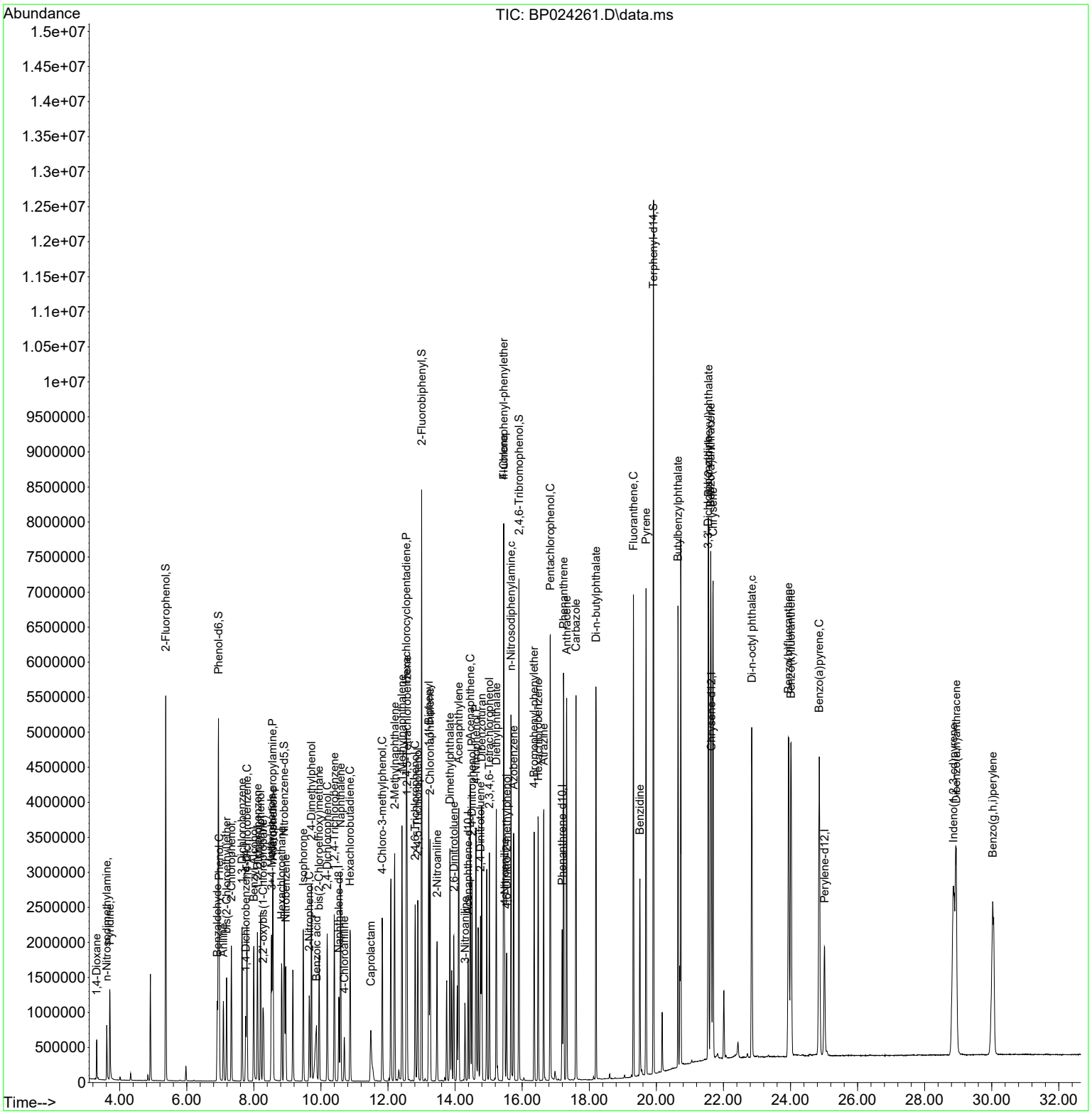
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.887	196	673077	53.930	ng	98
46) 1,1'-Biphenyl	13.216	154	2235200	48.016	ng	99
47) 2-Chloronaphthalene	13.257	162	1707493	48.766	ng	99
48) 2-Nitroaniline	13.463	65	519695	58.030	ng	98
49) Acenaphthylene	14.110	152	2903889	54.810	ng	100
50) Dimethylphthalate	13.845	163	2225271	51.337	ng	100
51) 2,6-Dinitrotoluene	13.963	165	490016	53.729	ng	99
52) Acenaphthene	14.451	154	1650394	48.755	ng	99
53) 3-Nitroaniline	14.298	138	269754	27.385	ng	97
54) 2,4-Dinitrophenol	14.504	184	646648	133.999	ng	95
55) Dibenzofuran	14.792	168	2622316	47.825	ng	98
56) 4-Nitrophenol	14.622	139	1034475	125.684	ng	96
57) 2,4-Dinitrotoluene	14.757	165	715389	59.384	ng	98
58) Fluorene	15.451	166	2154829	50.439	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.022	232	586898	53.225	ng	97
60) Diethylphthalate	15.228	149	2269853	52.585	ng	99
61) 4-Chlorophenyl-phenyle...	15.451	204	1029595	49.137	ng	98
62) 4-Nitroaniline	15.481	138	567626	54.943	ng	99
63) Azobenzene	15.745	77	2066101	50.784	ng	99
65) 4,6-Dinitro-2-methylph...	15.539	198	410813	56.894	ng	100
66) n-Nitrosodiphenylamine	15.669	169	1886274	51.070	ng	100
67) 4-Bromophenyl-phenylether	16.357	248	664537	49.763	ng	99
68) Hexachlorobenzene	16.481	284	796254	50.378	ng	99
69) Atrazine	16.645	200	672316	75.415	ng	99
70) Pentachlorophenol	16.839	266	1170265	114.492	ng	99
71) Phenanthrene	17.233	178	3387175	50.976	ng	100
72) Anthracene	17.328	178	3418770	52.827	ng	99
73) Carbazole	17.604	167	3357130	53.791	ng	99
74) Di-n-butylphthalate	18.198	149	4057764	54.769	ng	100
75) Fluoranthene	19.316	202	4030536	52.374	ng	99
77) Benzidine	19.510	184	1601060	109.861	ng	99
78) Pyrene	19.692	202	4153154	50.118	ng	100
80) Butylbenzylphthalate	20.645	149	1940623	56.788	ng	99
81) Benzo(a)anthracene	21.621	228	4365233	52.675	ng	100
82) 3,3'-Dichlorobenzidine	21.545	252	1067282	38.426	ng	99
83) Chrysene	21.692	228	4032865	50.622	ng	99
84) Bis(2-ethylhexyl)phtha...	21.557	149	2814005	54.573	ng	99
85) Di-n-octyl phthalate	22.845	149	4816817	58.304	ng	100
87) Indeno(1,2,3-cd)pyrene	28.856	276	5522835	52.938	ng	94
88) Benzo(b)fluoranthene	23.939	252	4588615	50.912	ng	98
89) Benzo(k)fluoranthene	24.015	252	4470670	50.709	ng	99
90) Benzo(a)pyrene	24.857	252	4367049	55.721	ng	99
91) Dibenzo(a,h)anthracene	28.939	278	4544623	52.360	ng	99
92) Benzo(g,h,i)perylene	30.027	276	4376784	49.606	ng	98

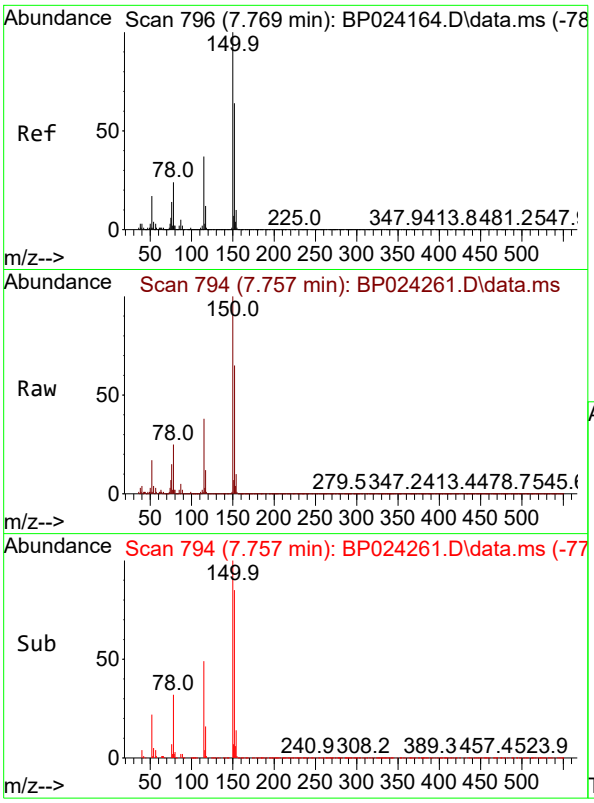
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024261.D
Acq On : 11 Apr 2025 11:04
Operator : RC/JU
Sample : PB167537BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Quant Time: Apr 11 11:44:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 2025
Response via : Initial Calibration



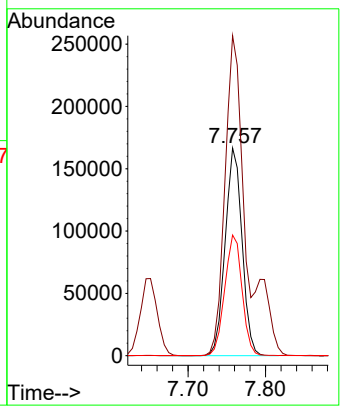


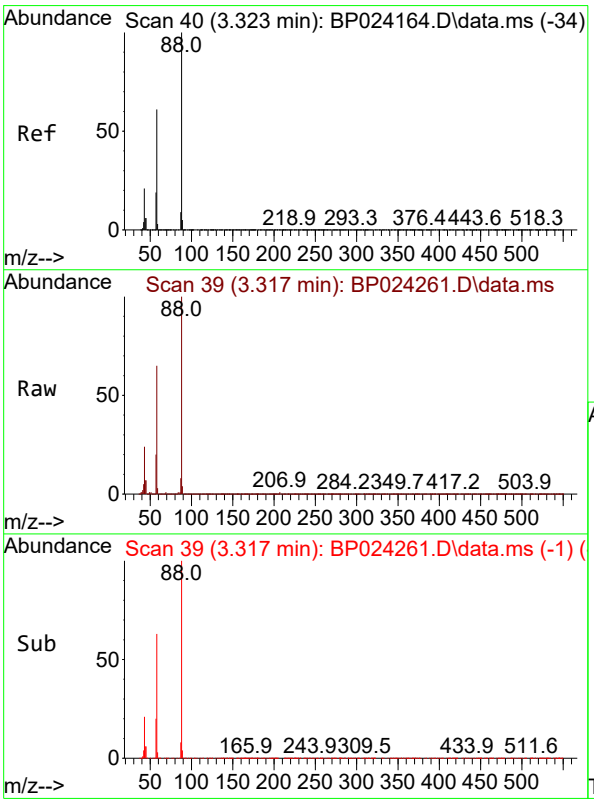
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.757 min Scan# 7
Delta R.T. 0.011 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion:152 Resp: 252310

Ion	Ratio	Lower	Upper
152	100		
150	154.1	125.5	188.3
115	58.1	46.3	69.5

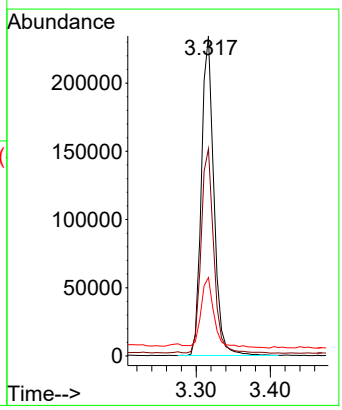


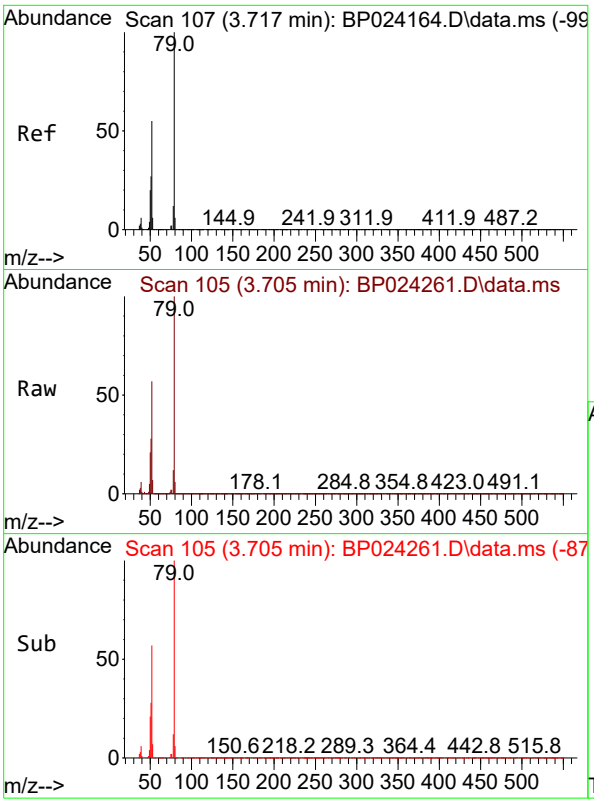


#2
1,4-Dioxane
Concen: 44.010 ng
RT: 3.317 min Scan# 39
Delta R.T. 0.012 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion: 88 Resp: 275740

Ion	Ratio	Lower	Upper
88	100		
58	65.0	49.8	74.6
43	23.4	17.3	25.9



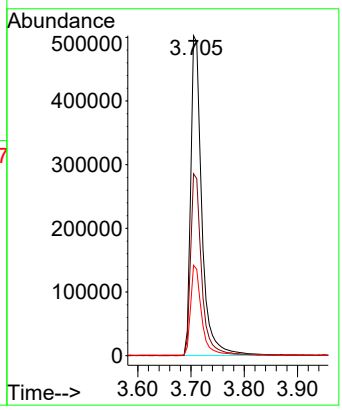


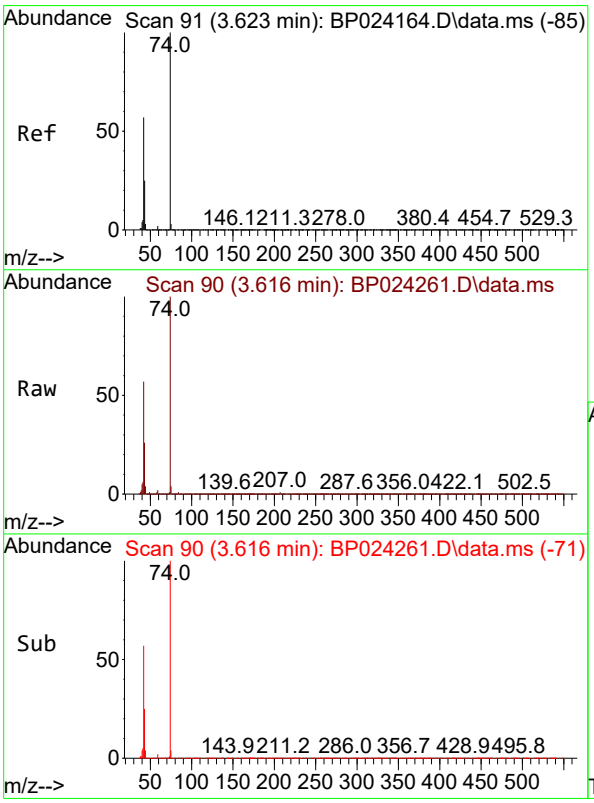
#3
Pyridine
Concen: 42.618 ng
RT: 3.705 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion: 79 Resp: 729965

Ion	Ratio	Lower	Upper
79	100		
52	56.9	43.8	65.8
51	28.3	21.6	32.4

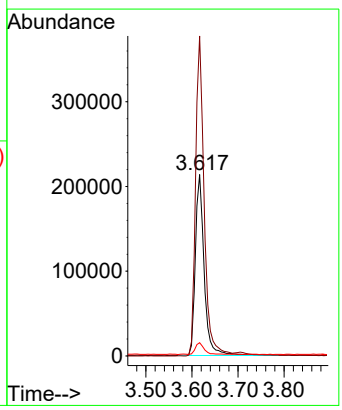


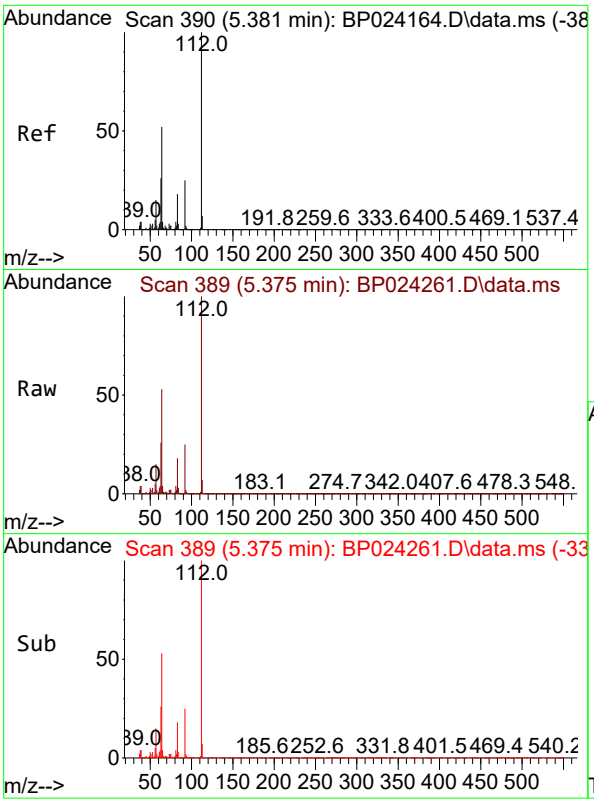


#4
n-Nitrosodimethylamine
Concen: 49.704 ng
RT: 3.616 min Scan# 90
Delta R.T. 0.012 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion: 42 Resp: 284386

Ion	Ratio	Lower	Upper
42	100		
74	176.4	139.8	209.6
44	7.3	5.3	7.9



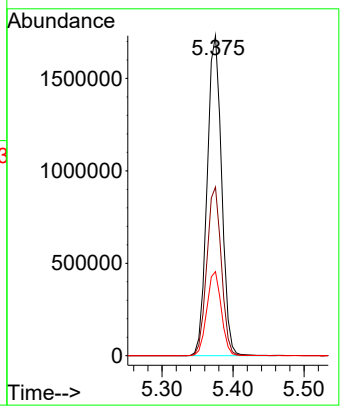


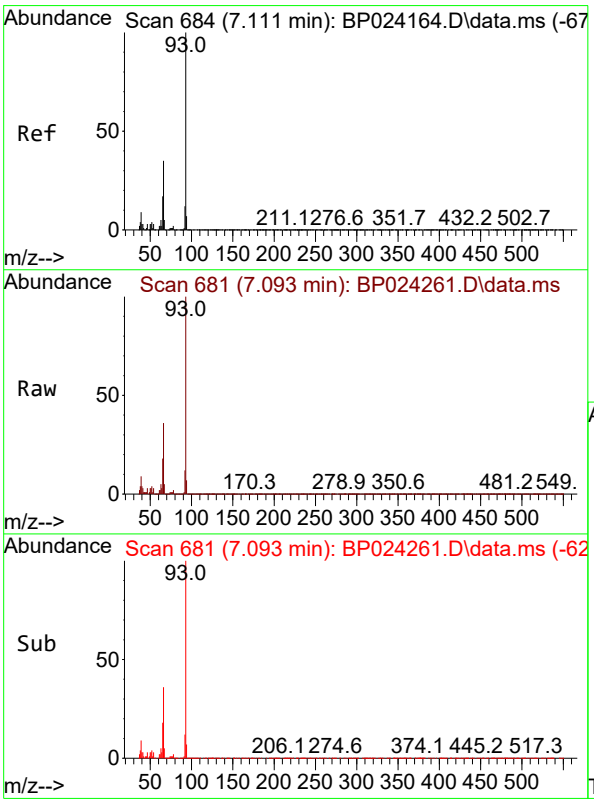
#5
2-Fluorophenol
Concen: 155.478 ng
RT: 5.375 min Scan# 3
Delta R.T. 0.018 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion:112 Resp: 2457503

Ion	Ratio	Lower	Upper
112	100		
64	52.7	41.3	61.9
63	26.2	20.6	31.0

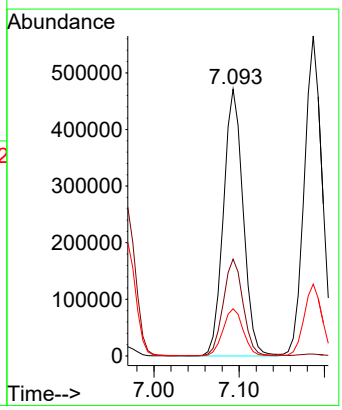


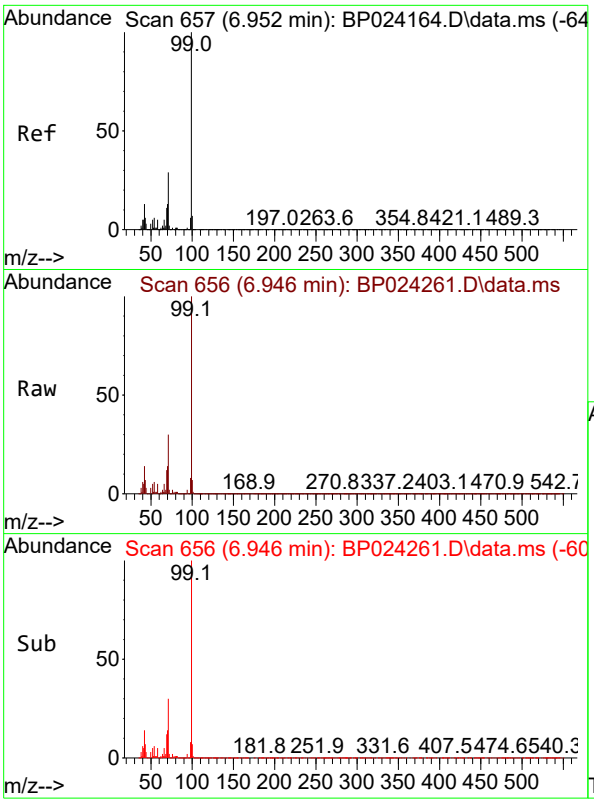


#6
Aniline
Concen: 39.262 ng
RT: 7.093 min Scan# 681
Delta R.T. 0.012 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion: 93 Resp: 756103

Ion	Ratio	Lower	Upper
93	100		
66	36.3	28.2	42.2
65	17.7	14.0	21.0



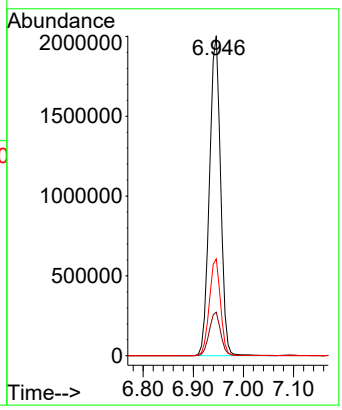


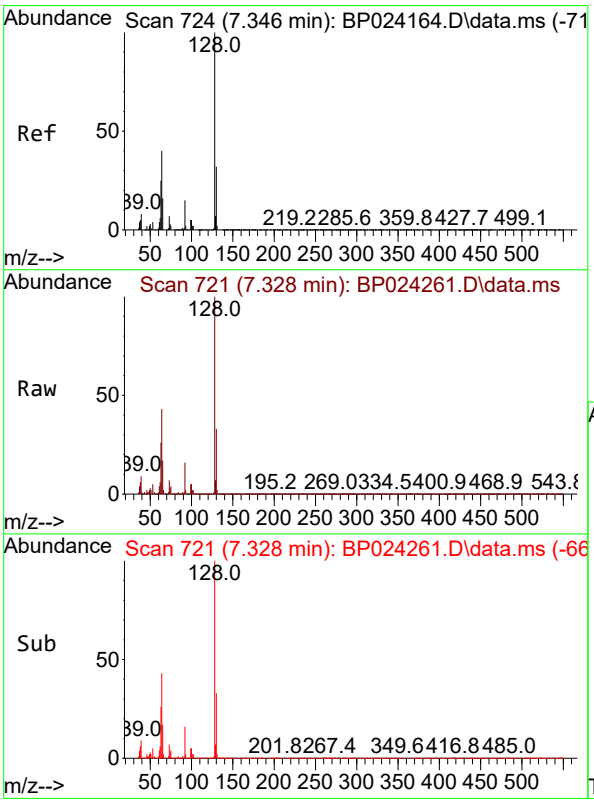
#7
Phenol-d6
Concen: 146.100 ng
RT: 6.946 min Scan# 6
Delta R.T. 0.018 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion: 99 Resp: 3088087

Ion	Ratio	Lower	Upper
99	100		
42	13.6	10.6	16.0
71	30.3	23.3	34.9

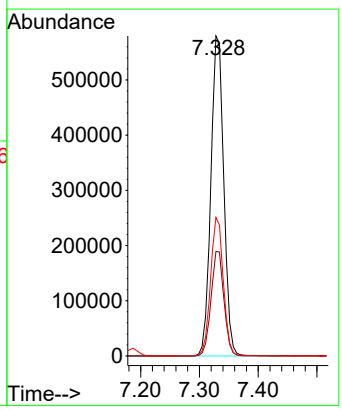


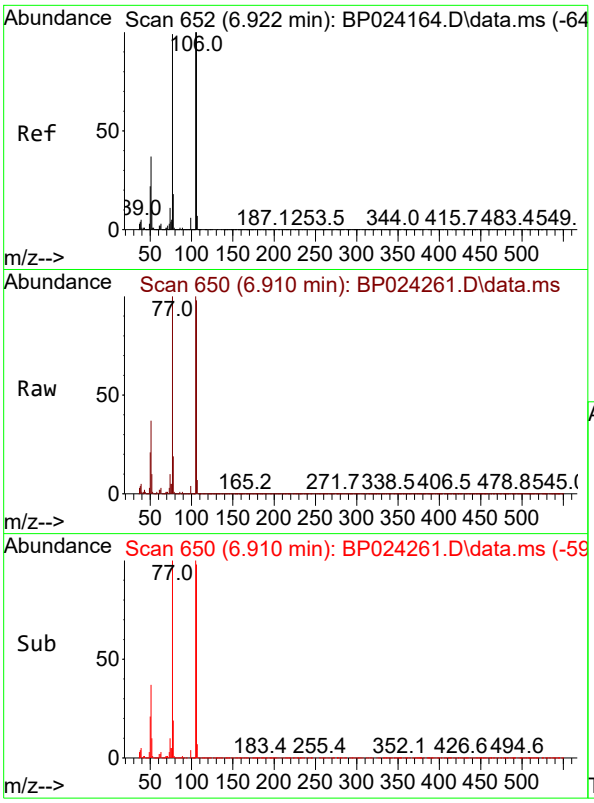


#8
2-Chlorophenol
Concen: 51.719 ng
RT: 7.328 min Scan# 721
Delta R.T. 0.012 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion:128 Resp: 883003

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.0	52.0
64	43.3	21.6	61.6



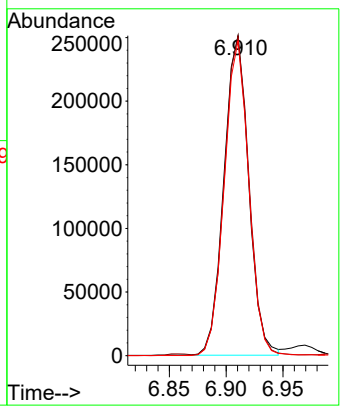


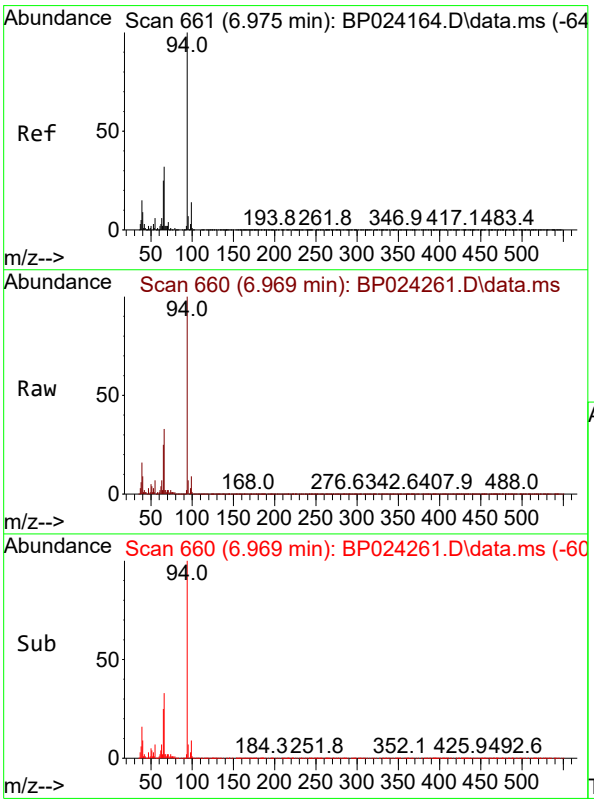
#9
Benzaldehyde
Concen: 37.393 ng
RT: 6.910 min Scan# 6
Delta R.T. 0.012 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion: 77 Resp: 381416

Ion	Ratio	Lower	Upper
77	100		
105	99.9	81.4	121.4
106	98.3	81.1	121.1

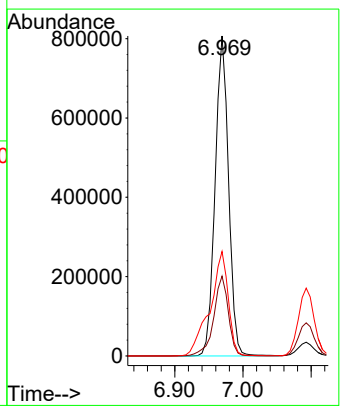


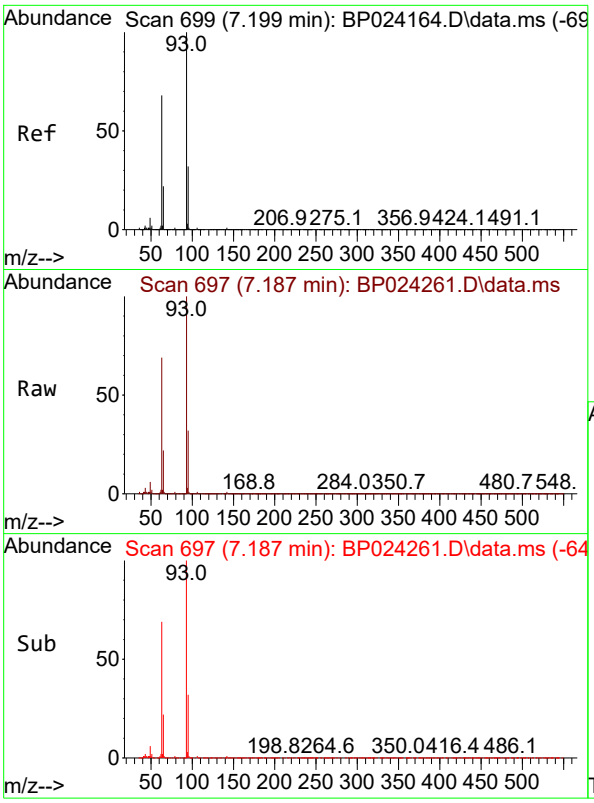


#10
Phenol
Concen: 51.852 ng
RT: 6.969 min Scan# 660
Delta R.T. 0.012 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion: 94 Resp: 1106401

Ion	Ratio	Lower	Upper
94	100		
65	25.0	4.9	44.9
66	32.6	11.9	51.9



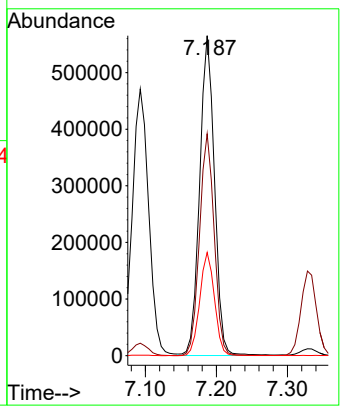


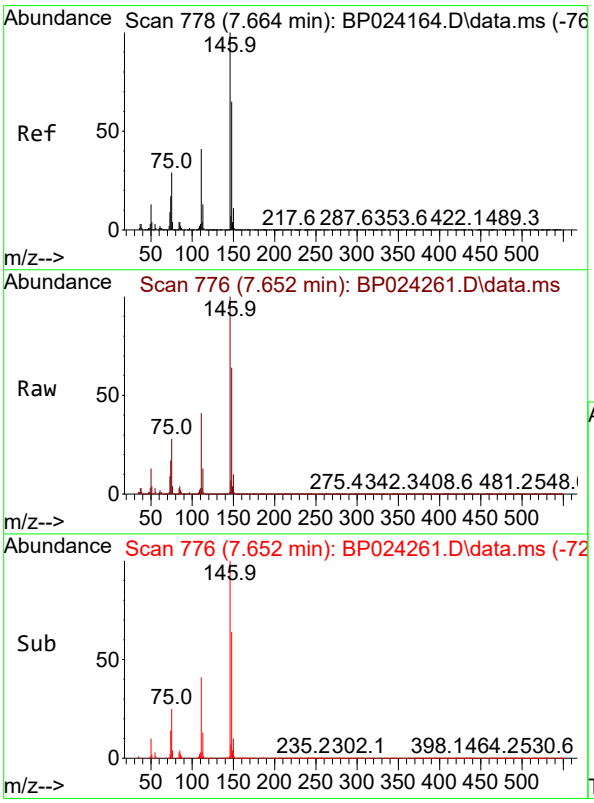
#11
bis(2-Chloroethyl)ether
Concen: 48.826 ng
RT: 7.187 min Scan# 6
Delta R.T. 0.012 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion: 93 Resp: 821599

Ion	Ratio	Lower	Upper
93	100		
63	69.4	47.4	87.4
95	32.3	12.1	52.1

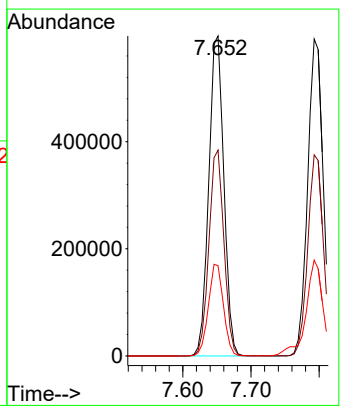


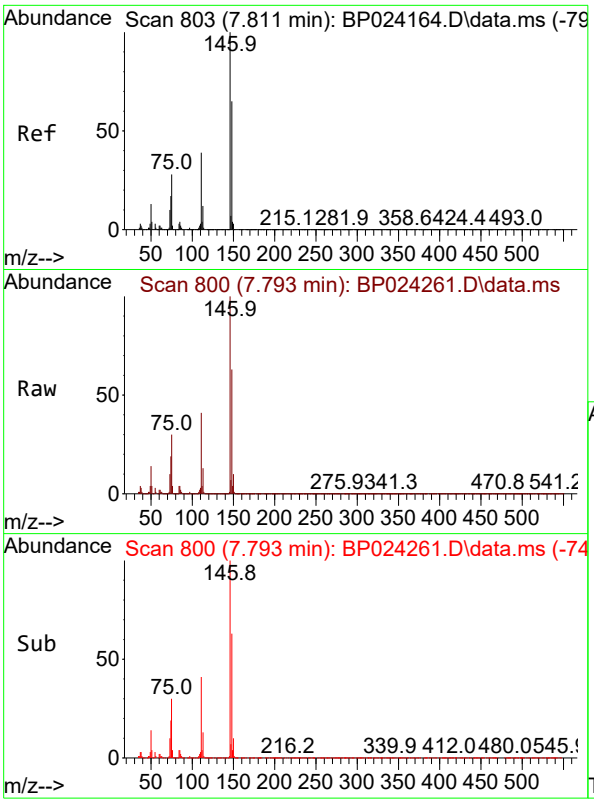


#12
1,3-Dichlorobenzene
Concen: 49.948 ng
RT: 7.652 min Scan# 776
Delta R.T. 0.018 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion:146 Resp: 919609

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.6	77.4
75	28.2	22.8	34.2



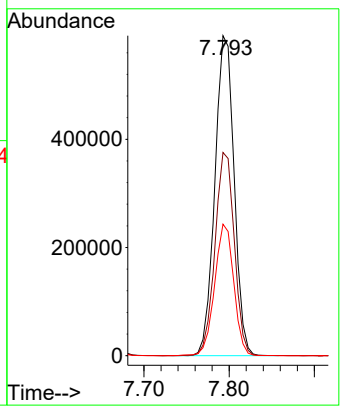


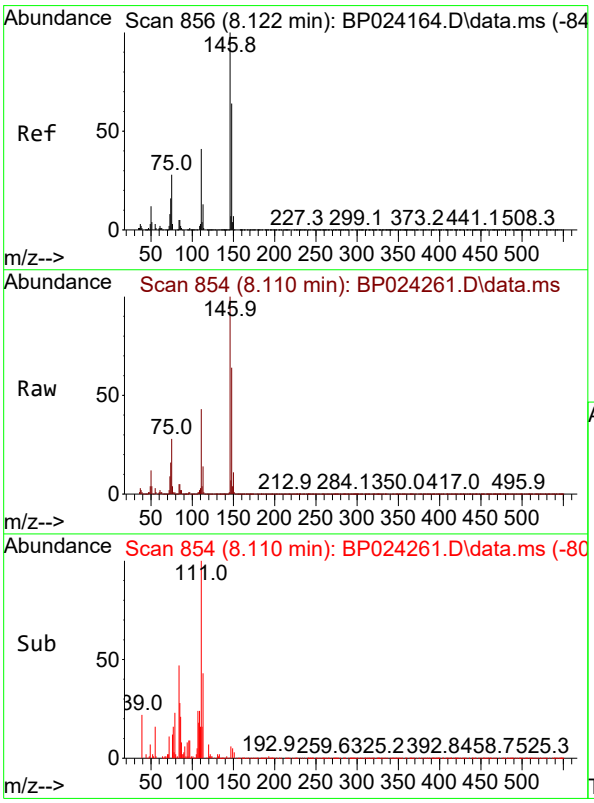
#13
1,4-Dichlorobenzene
Concen: 49.392 ng
RT: 7.793 min Scan# 8
Delta R.T. 0.012 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion:146 Resp: 928493

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.9	77.9
111	41.1	31.4	47.2

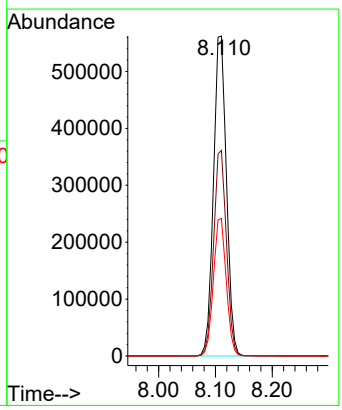


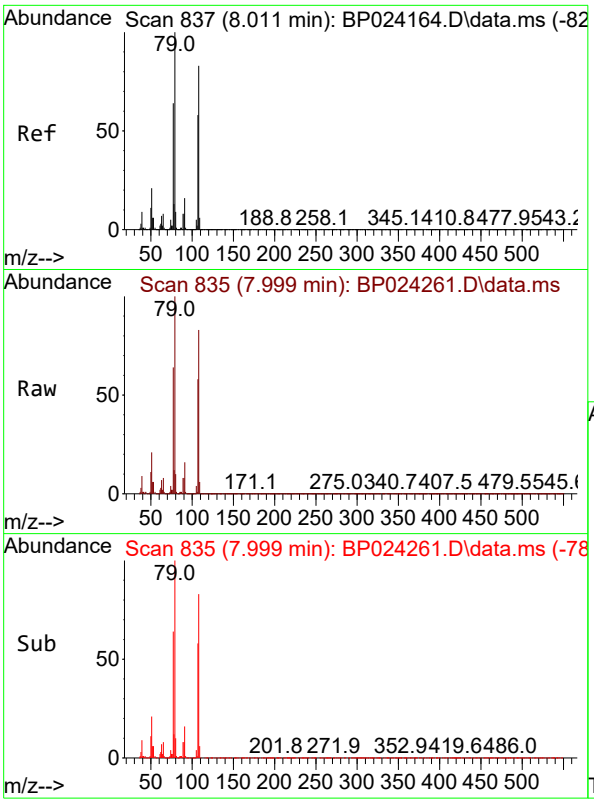


#14
1,2-Dichlorobenzene
Concen: 49.339 ng
RT: 8.110 min Scan# 854
Delta R.T. 0.012 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion:146 Resp: 890037

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.4	77.2
111	43.0	33.2	49.8



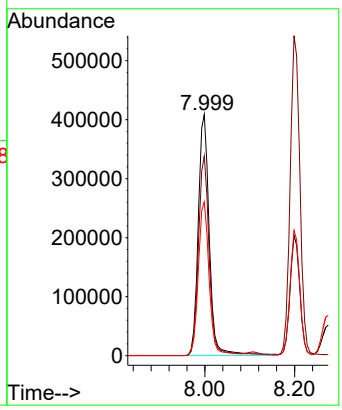


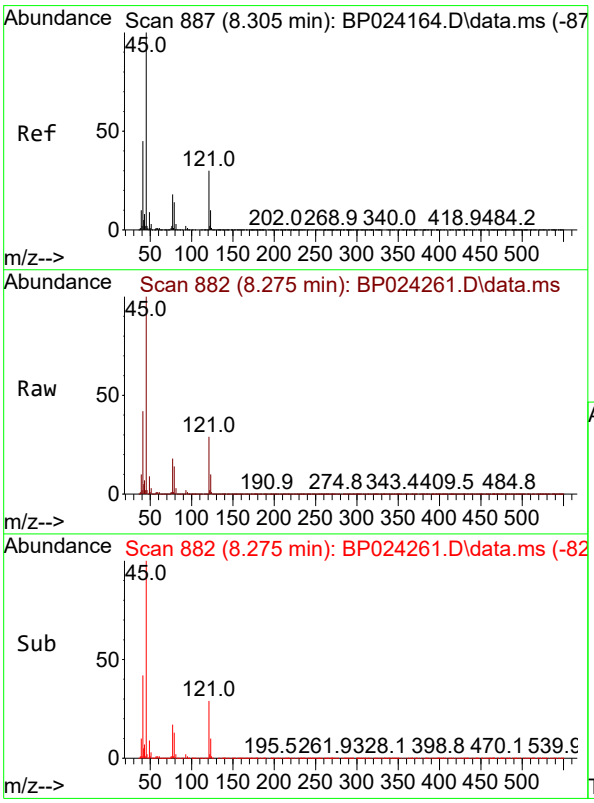
#15
Benzyl Alcohol
Concen: 52.308 ng
RT: 7.999 min Scan# 8
Delta R.T. 0.012 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion: 79 Resp: 699969

Ion	Ratio	Lower	Upper
79	100		
108	82.8	66.5	99.7
77	63.7	50.9	76.3

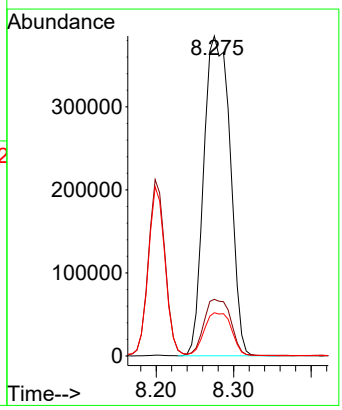


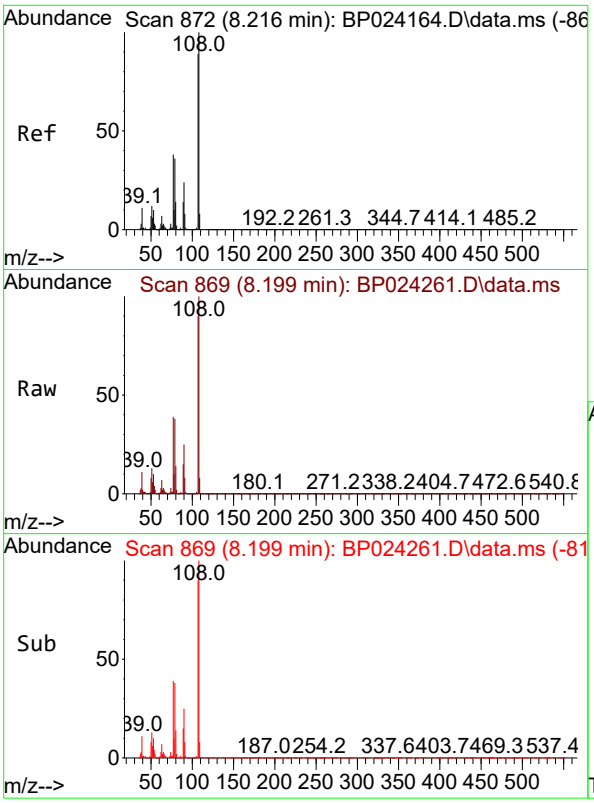


#16
2,2'-oxybis(1-Chloropropane)
Concen: 52.787 ng
RT: 8.275 min Scan# 882
Delta R.T. 0.012 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion: 45 Resp: 906561

Ion	Ratio	Lower	Upper
45	100		
77	17.7	0.0	39.0
79	13.5	0.0	35.6



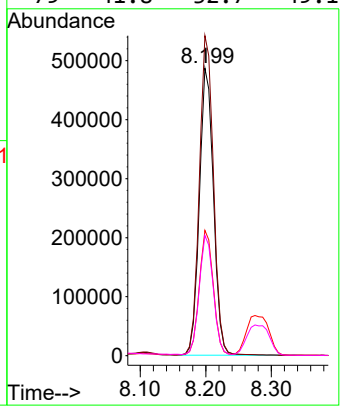


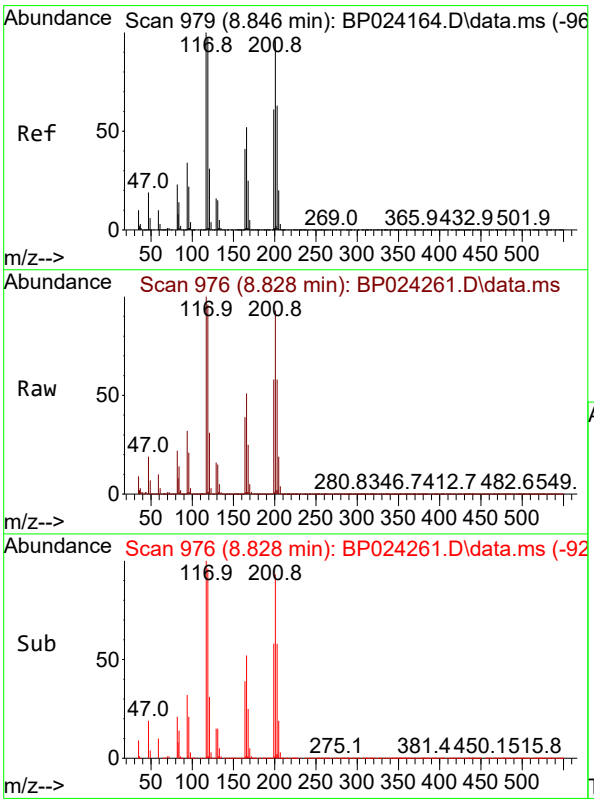
#17
2-Methylphenol
Concen: 54.439 ng
RT: 8.199 min Scan# 8
Delta R.T. 0.012 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion:107 Resp: 728420

Ion	Ratio	Lower	Upper
107	100		
108	111.3	90.0	135.0
77	43.6	34.0	51.0
79	41.8	32.7	49.1

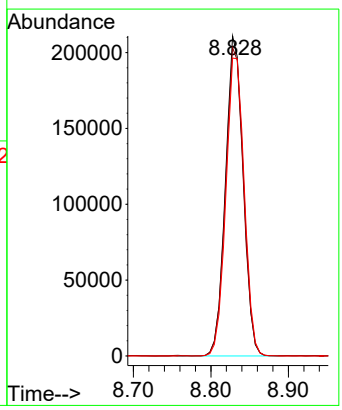


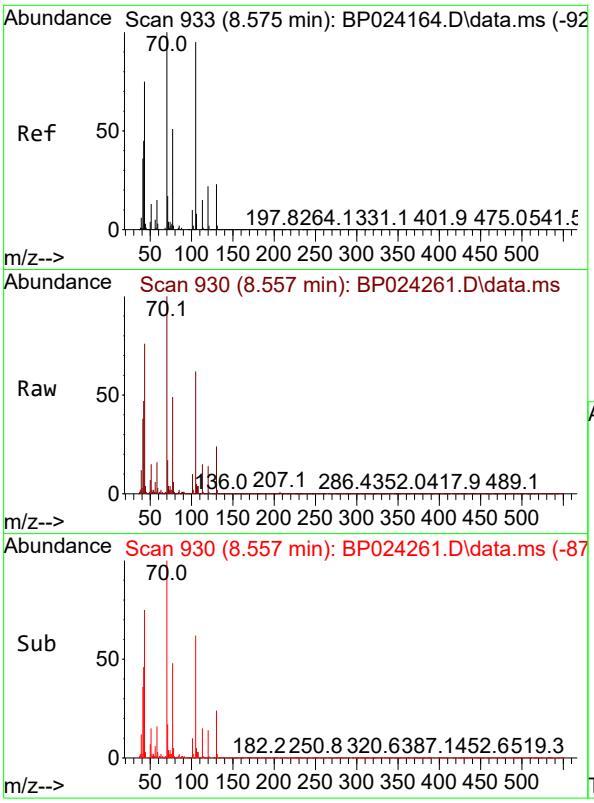


#18
Hexachloroethane
Concen: 50.346 ng
RT: 8.828 min Scan# 976
Delta R.T. 0.006 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion:117 Resp: 335774

Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.4	116.0
201	93.1	76.6	114.8



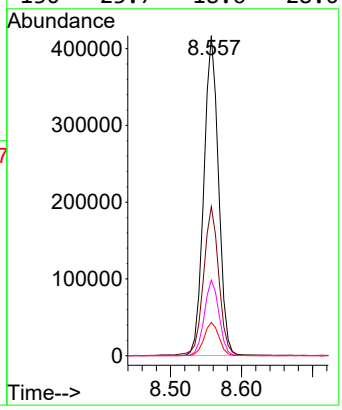


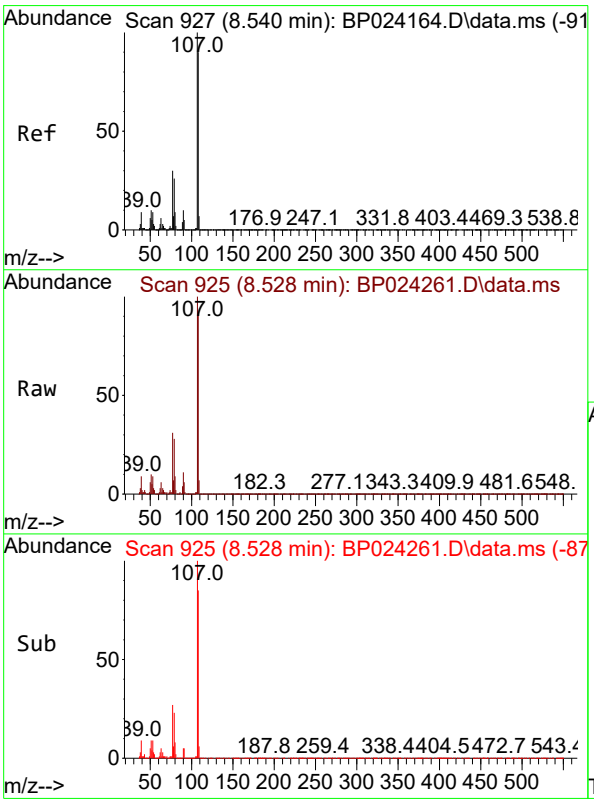
#19
n-Nitroso-di-n-propylamine
Concen: 48.775 ng
RT: 8.557 min Scan# 9
Delta R.T. 0.012 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion: 70 Resp: 598100

Ion	Ratio	Lower	Upper
70	100		
42	46.6	36.0	54.0
101	10.4	8.3	12.5
130	23.7	18.6	28.0

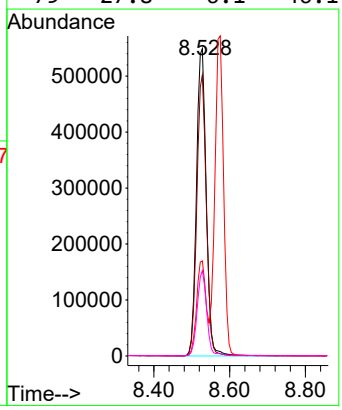


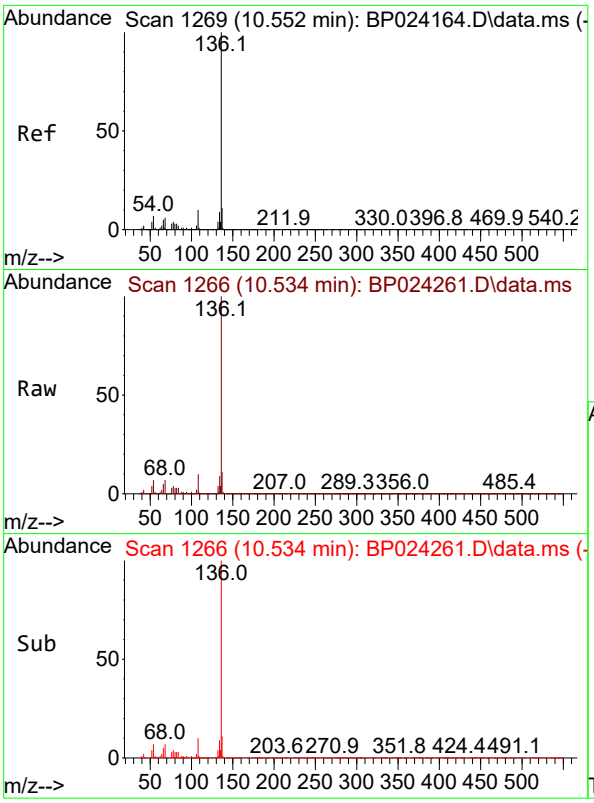


#20
3+4-Methylphenols
Concen: 53.787 ng
RT: 8.528 min Scan# 925
Delta R.T. 0.012 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion:107 Resp: 988752

Ion	Ratio	Lower	Upper
107	100		
108	91.4	69.7	109.7
77	30.9	10.3	50.3
79	27.8	6.1	46.1



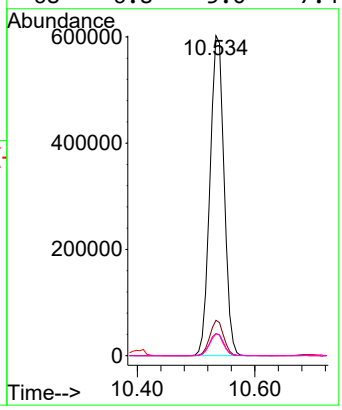


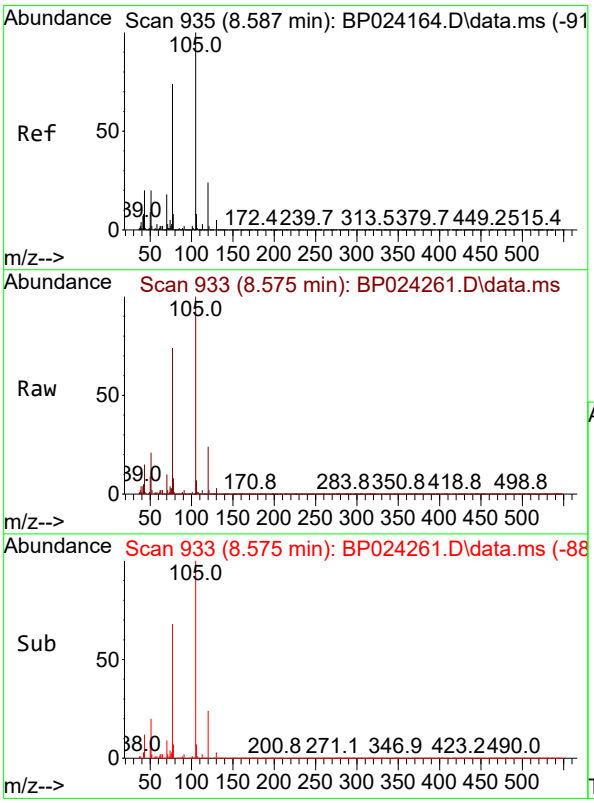
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.534 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion:136 Resp: 1001041

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	6.9	5.3	7.9
68	6.8	5.0	7.4

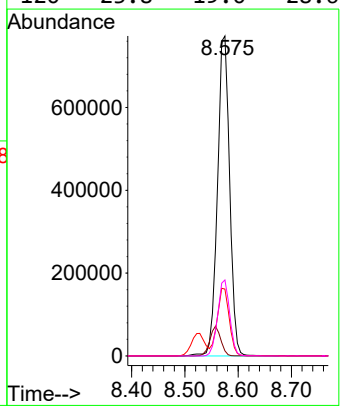


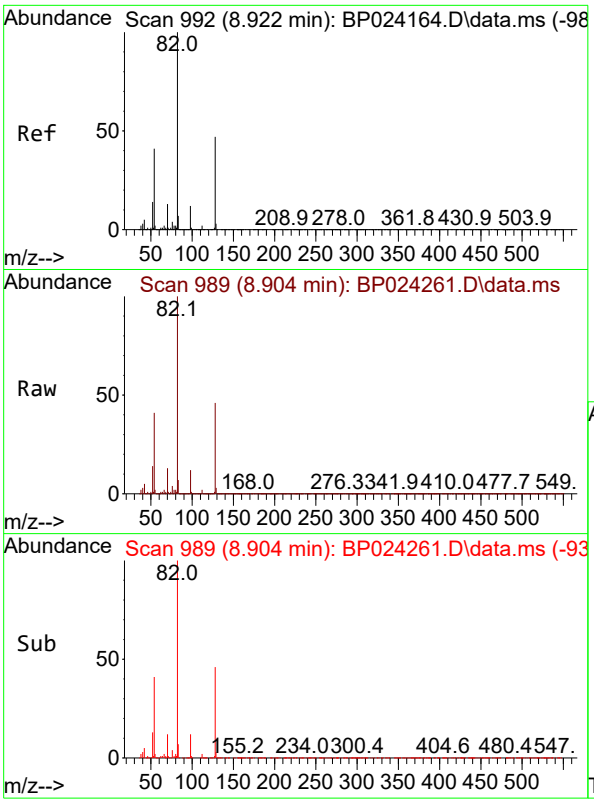


#22
Acetophenone
Concen: 48.398 ng
RT: 8.575 min Scan# 933
Delta R.T. 0.012 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion:105 Resp: 1224869

Ion	Ratio	Lower	Upper
105	100		
71	1.6	2.4	3.6#
51	20.9	16.2	24.2
120	23.8	19.0	28.6



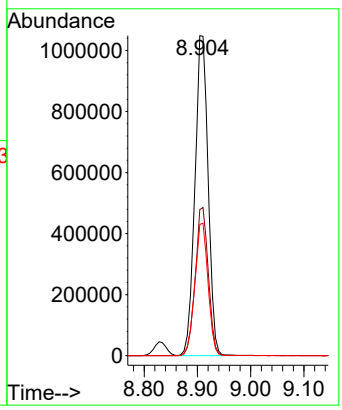


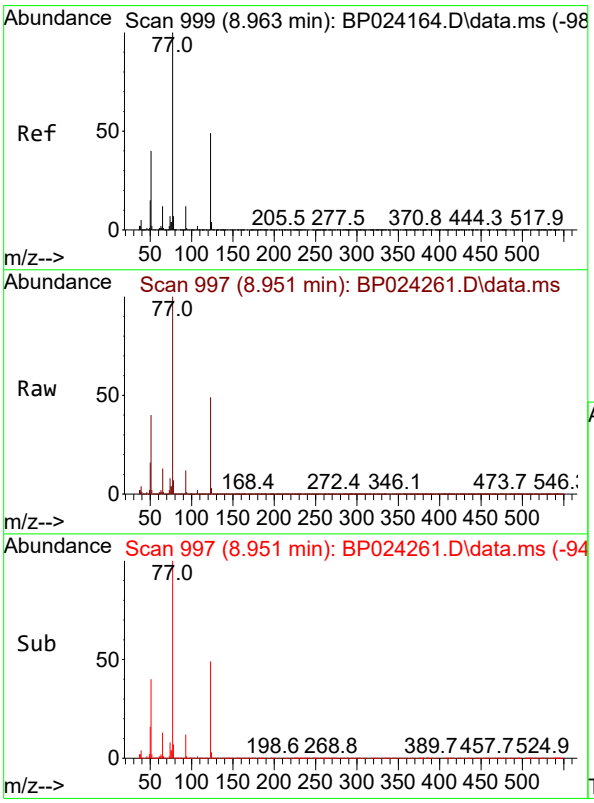
#23
Nitrobenzene-d5
Concen: 101.935 ng
RT: 8.904 min Scan# 9
Delta R.T. 0.012 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion: 82 Resp: 1808569

Ion	Ratio	Lower	Upper
82	100		
128	45.7	37.4	56.0
54	41.0	32.5	48.7

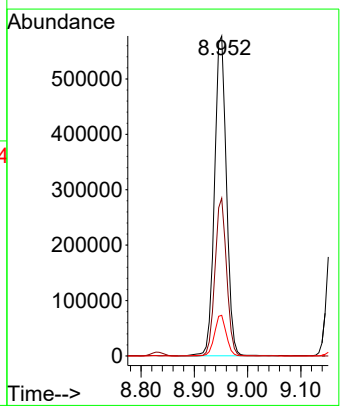


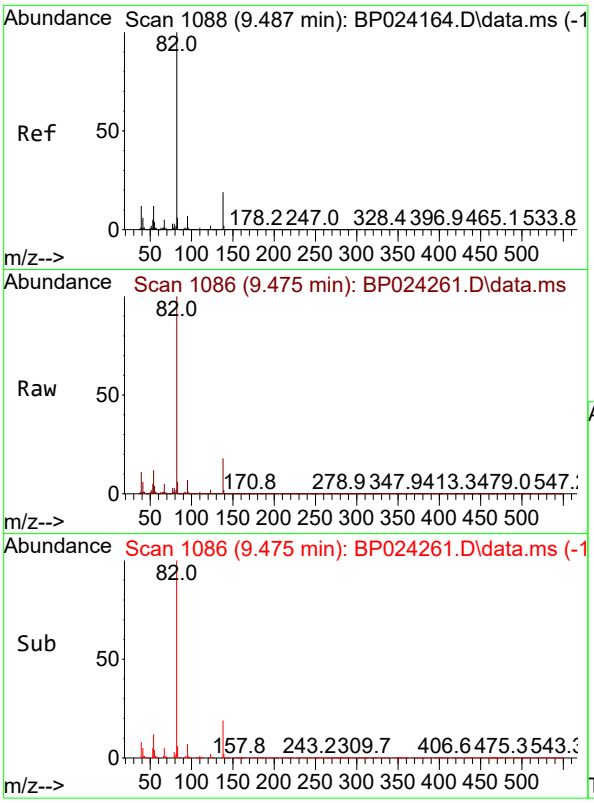


#24
Nitrobenzene
Concen: 51.143 ng
RT: 8.951 min Scan# 997
Delta R.T. 0.018 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion: 77 Resp: 895136

Ion	Ratio	Lower	Upper
77	100		
123	49.3	39.4	59.2
65	12.7	9.9	14.9



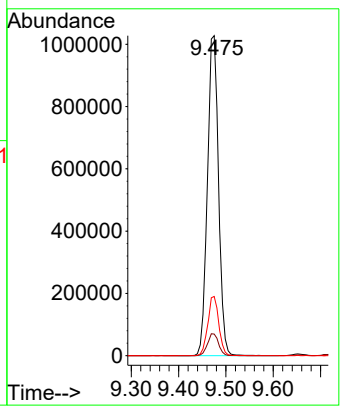


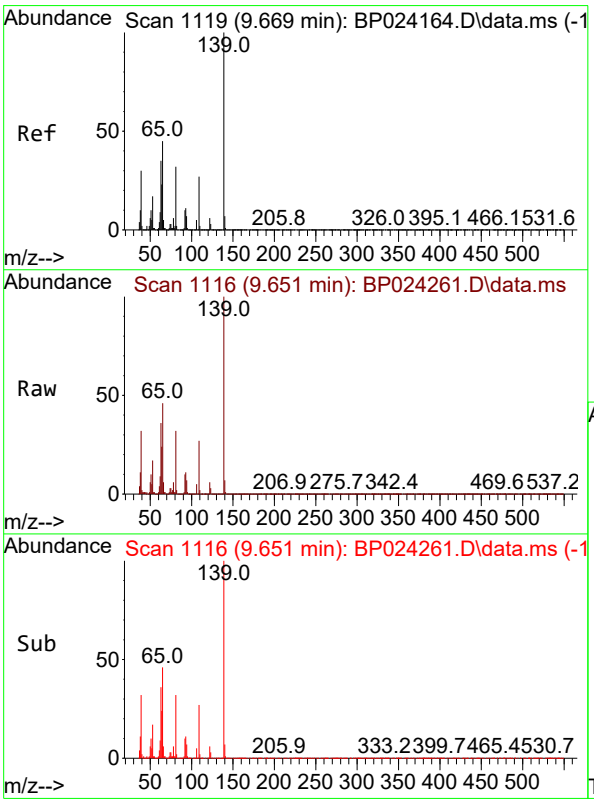
#25
Isophorone
Concen: 55.000 ng
RT: 9.475 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion: 82 Resp: 1672734

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.3	7.9
138	18.5	14.8	22.2

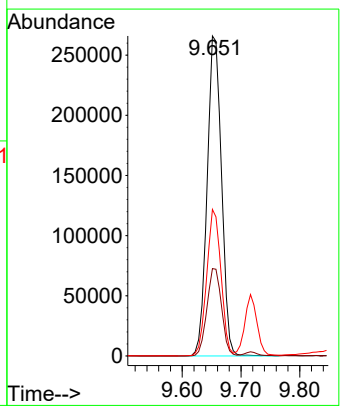


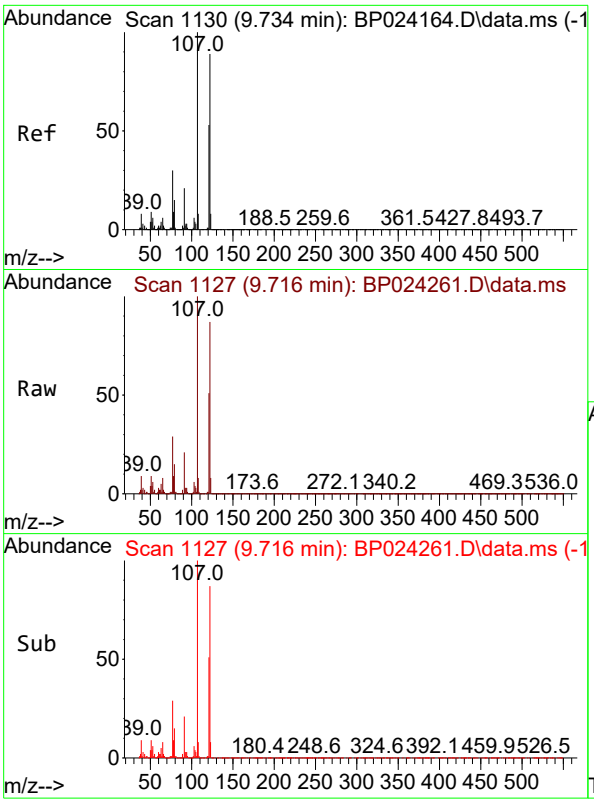


#26
2-Nitrophenol
Concen: 54.073 ng
RT: 9.651 min Scan# 1116
Delta R.T. 0.006 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion:139 Resp: 452073

Ion	Ratio	Lower	Upper
139	100		
109	27.3	21.7	32.5
65	45.8	35.8	53.8



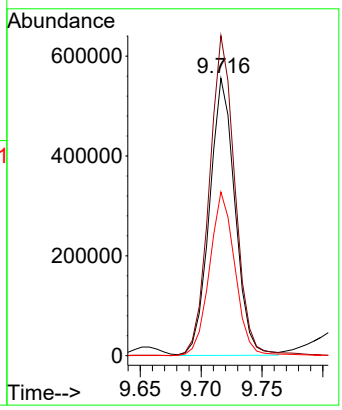


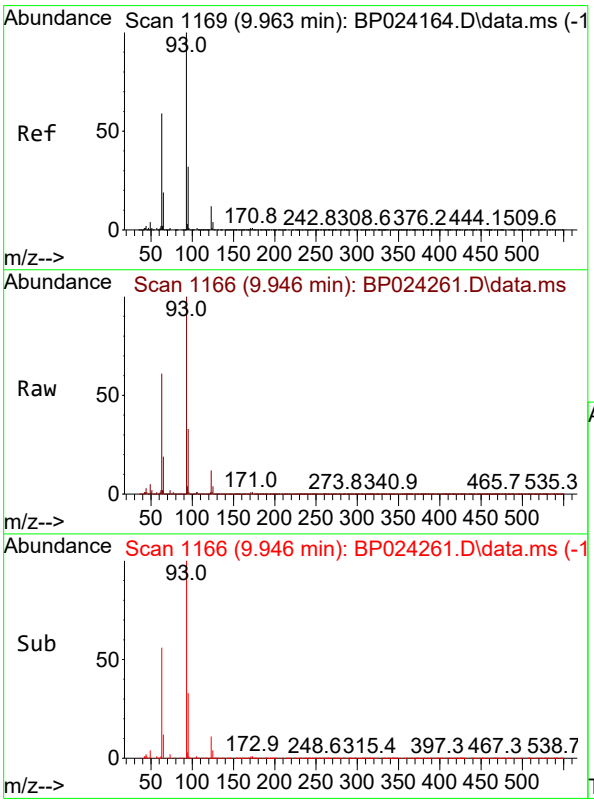
#27
2,4-Dimethylphenol
Concen: 75.286 ng
RT: 9.716 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion:122 Resp: 809364

Ion	Ratio	Lower	Upper
122	100		
107	115.3	89.3	133.9
121	59.0	47.5	71.3

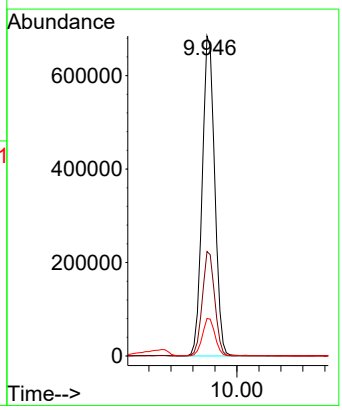


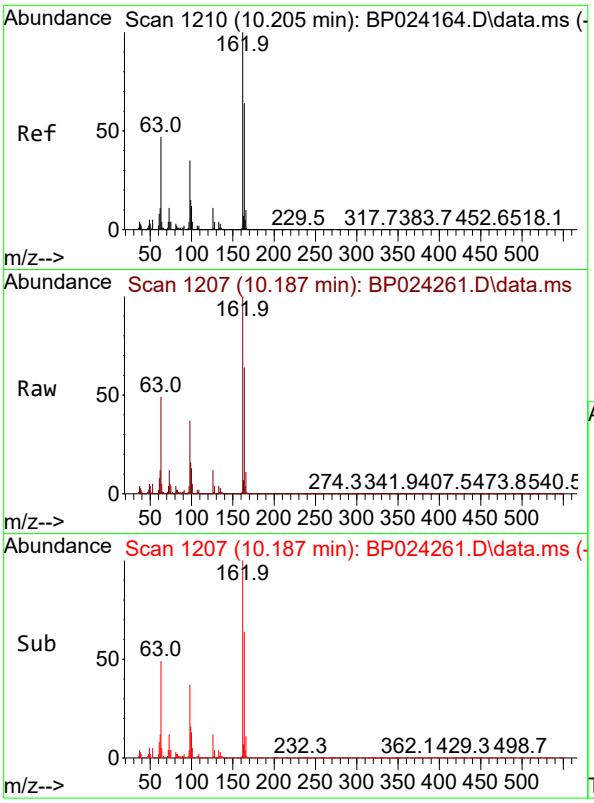


#28
bis(2-Chloroethoxy)methane
Concen: 50.389 ng
RT: 9.946 min Scan# 1166
Delta R.T. 0.006 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion: 93 Resp: 1078110

Ion	Ratio	Lower	Upper
93	100		
95	32.7	25.9	38.9
123	11.7	9.5	14.3



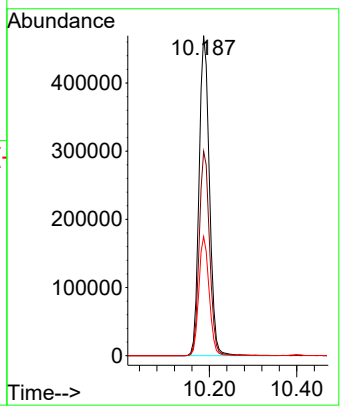


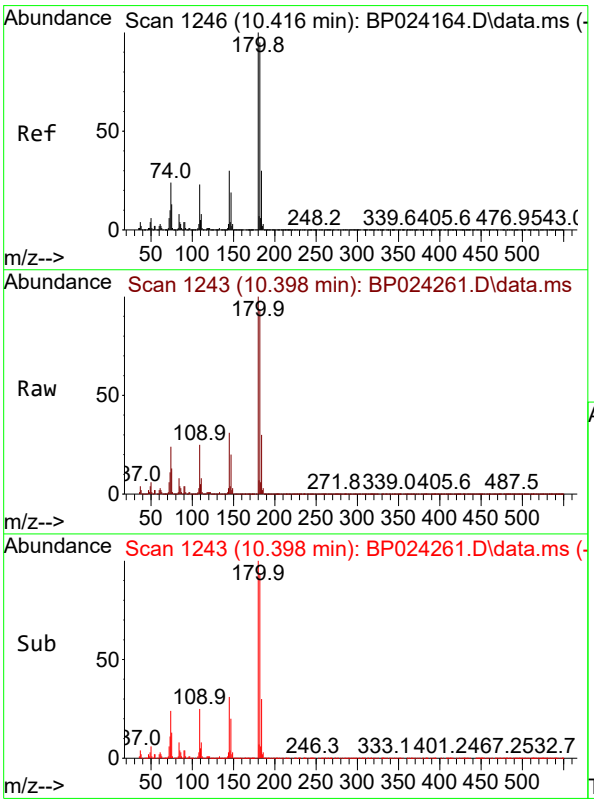
#29
2,4-Dichlorophenol
Concen: 53.217 ng
RT: 10.187 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion:162 Resp: 773936

Ion	Ratio	Lower	Upper
162	100		
164	63.8	44.2	84.2
98	37.2	15.1	55.1

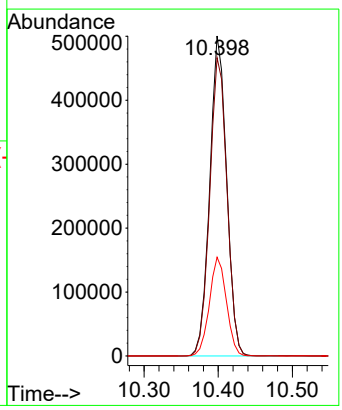


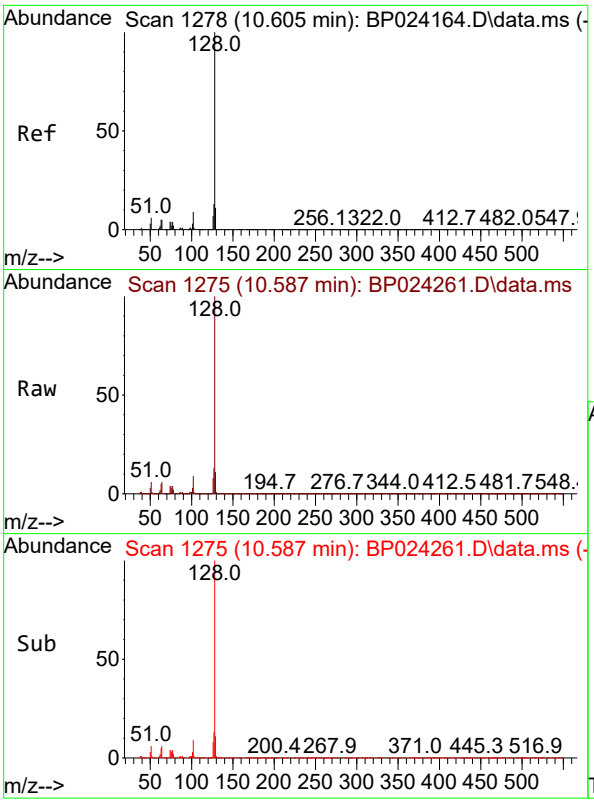


#30
1,2,4-Trichlorobenzene
Concen: 49.242 ng
RT: 10.398 min Scan# 1243
Delta R.T. 0.012 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion:180 Resp: 791203

Ion	Ratio	Lower	Upper
180	100		
182	93.2	76.1	114.1
145	30.9	24.2	36.2



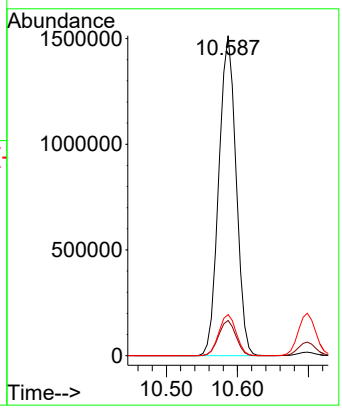


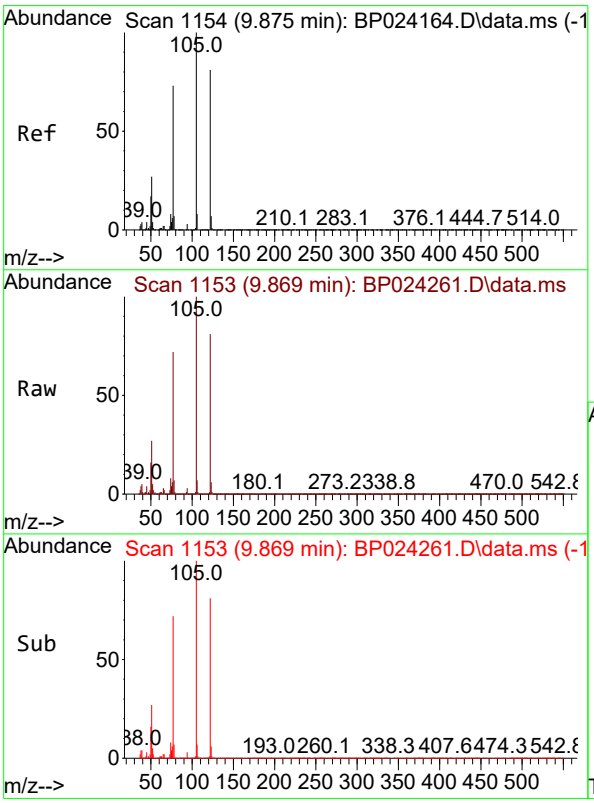
#31
Naphthalene
Concen: 48.052 ng
RT: 10.587 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion:128 Resp: 2549853

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	12.9	10.4	15.6

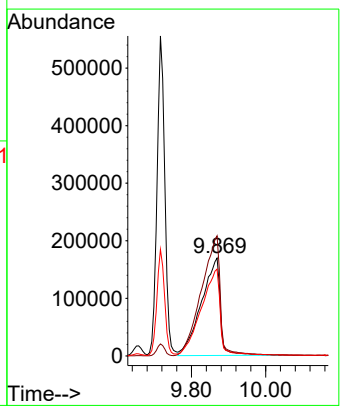


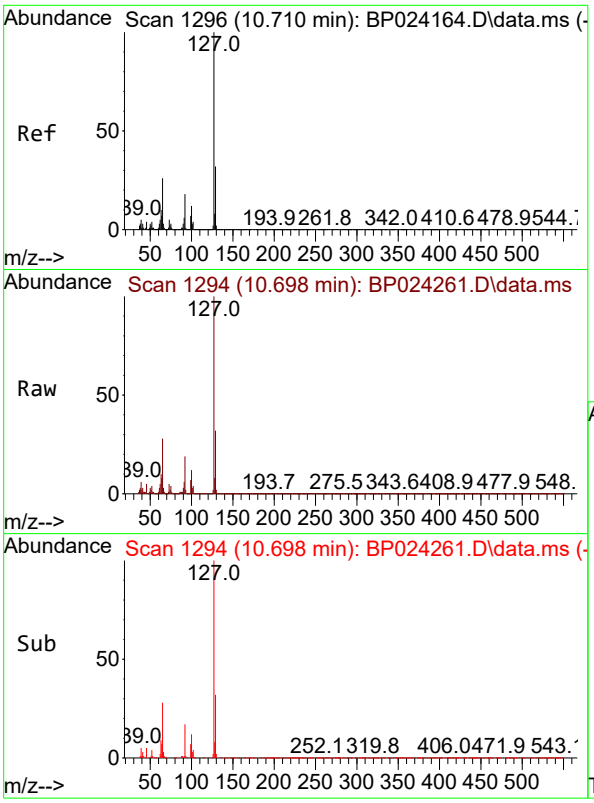


#32
Benzoic acid
Concen: 57.503 ng
RT: 9.869 min Scan# 1153
Delta R.T. 0.018 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion:122 Resp: 602900

Ion	Ratio	Lower	Upper
122	100		
105	122.9	100.3	140.3
77	88.9	69.1	109.1



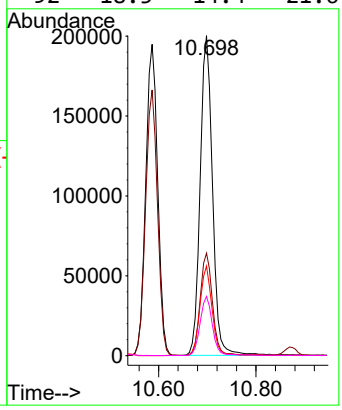


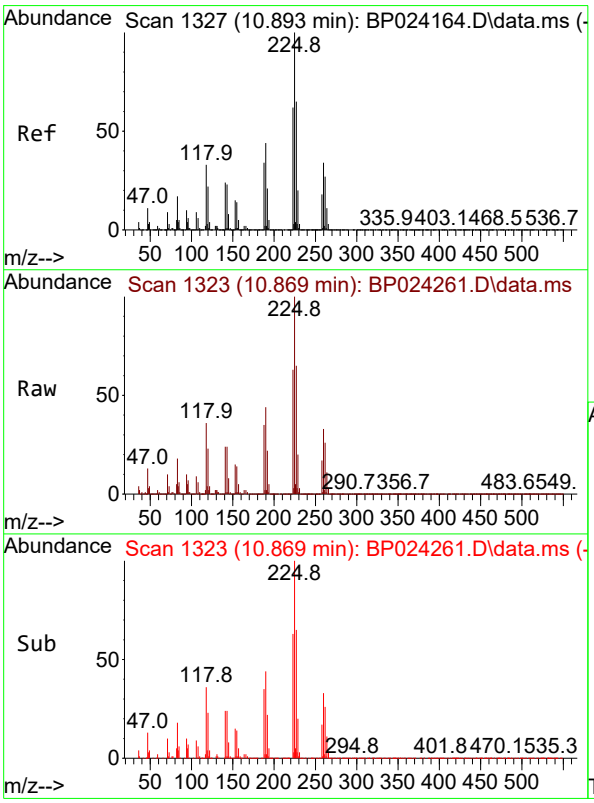
#33
4-Chloroaniline
Concen: 18.620 ng
RT: 10.698 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion:127 Resp: 353588

Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.8	38.6
65	28.0	21.2	31.8
92	18.5	14.4	21.6

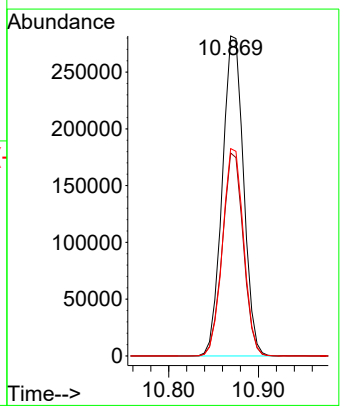


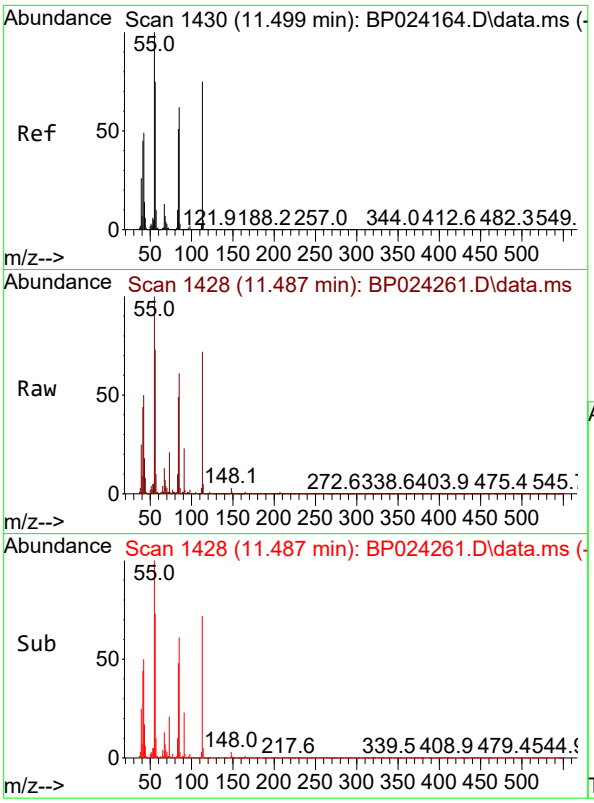


#34
Hexachlorobutadiene
Concen: 49.964 ng
RT: 10.869 min Scan# 1323
Delta R.T. 0.006 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion:225 Resp: 462030

Ion	Ratio	Lower	Upper
225	100		
223	63.4	49.9	74.9
227	64.8	52.2	78.2



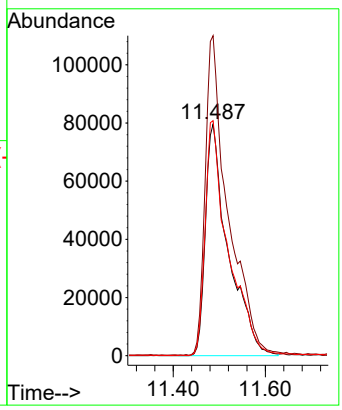


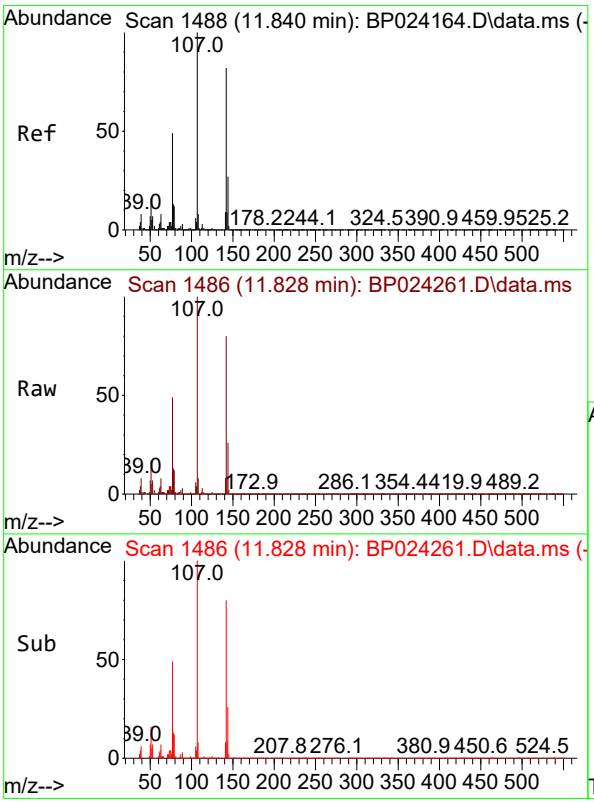
#35
Caprolactam
Concen: 57.601 ng
RT: 11.487 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion:113 Resp: 274543

Ion	Ratio	Lower	Upper
113	100		
55	138.2	113.6	153.6
56	101.5	80.0	120.0

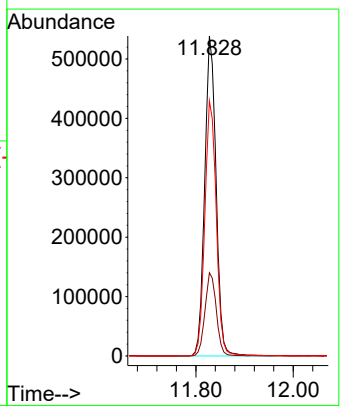


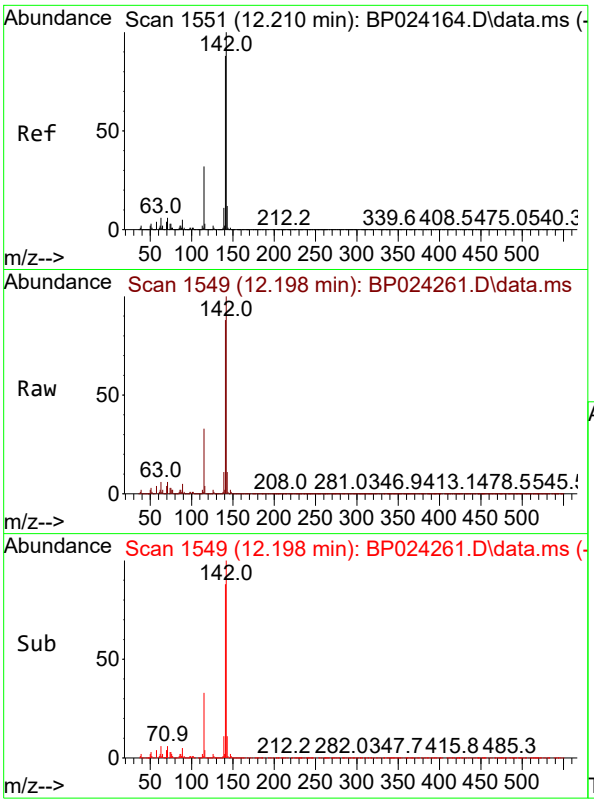


#36
4-Chloro-3-methylphenol
Concen: 55.324 ng
RT: 11.828 min Scan# 1486
Delta R.T. 0.006 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion:107 Resp: 867963

Ion	Ratio	Lower	Upper
107	100		
144	26.0	21.6	32.4
142	79.7	65.4	98.0



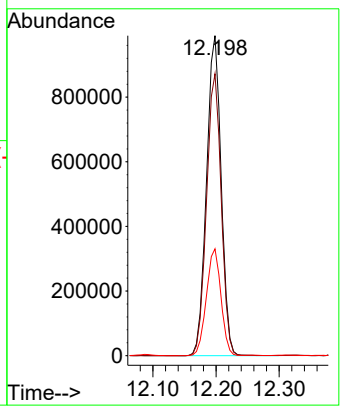


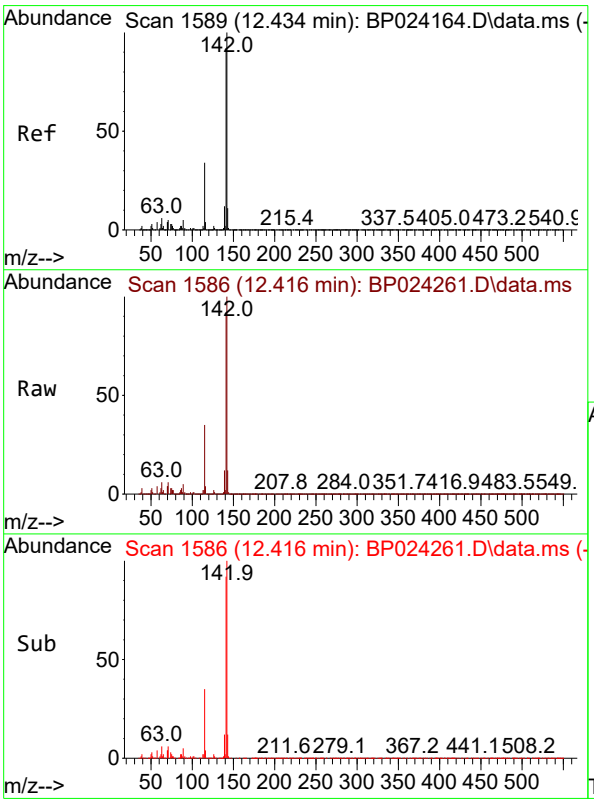
#37
2-Methylnaphthalene
Concen: 44.340 ng
RT: 12.198 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion:142 Resp: 1589529

Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.3	105.5
115	33.4	26.0	39.0

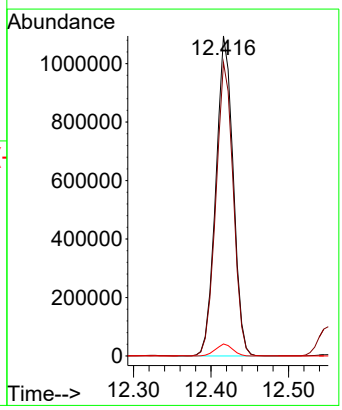


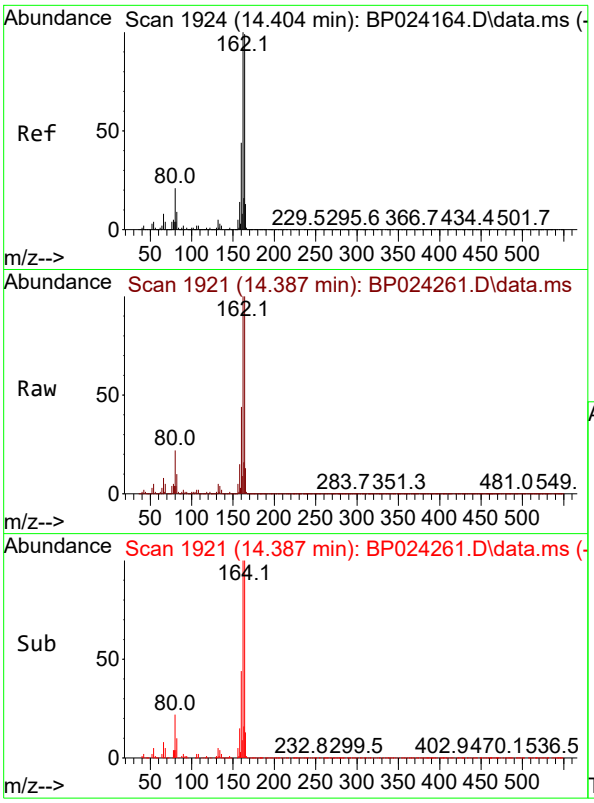


#38
1-Methylnaphthalene
Concen: 48.737 ng
RT: 12.416 min Scan# 1586
Delta R.T. 0.006 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion:142 Resp: 1699342

Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.9	110.9
116	3.8	2.8	4.2



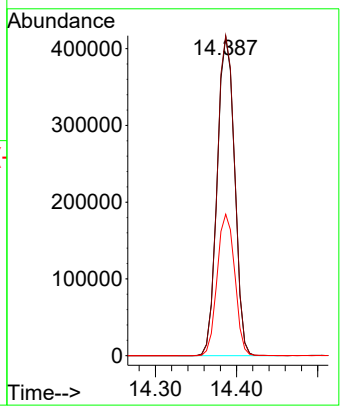


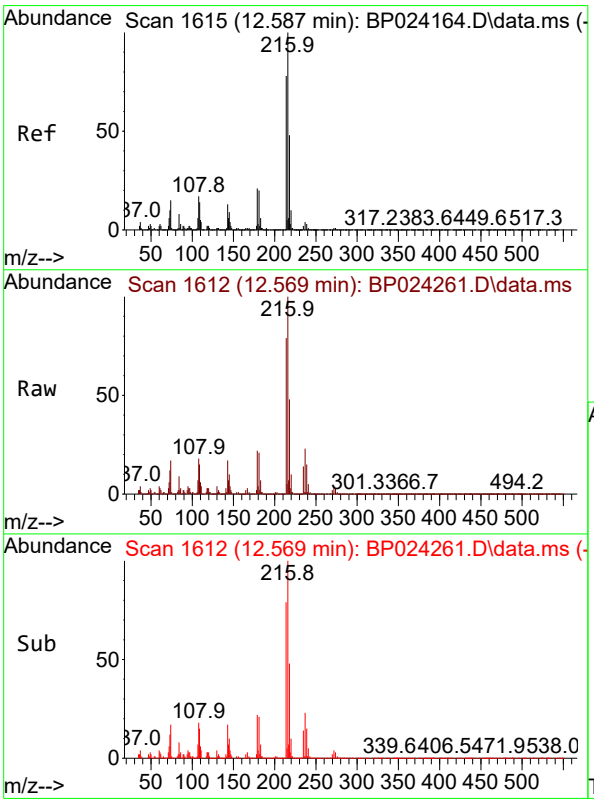
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.387 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion:164 Resp: 619477

Ion	Ratio	Lower	Upper
164	100		
162	100.4	80.6	121.0
160	44.4	35.4	53.2

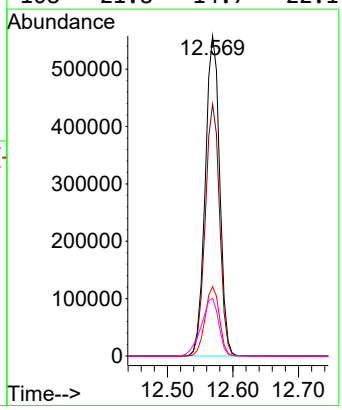


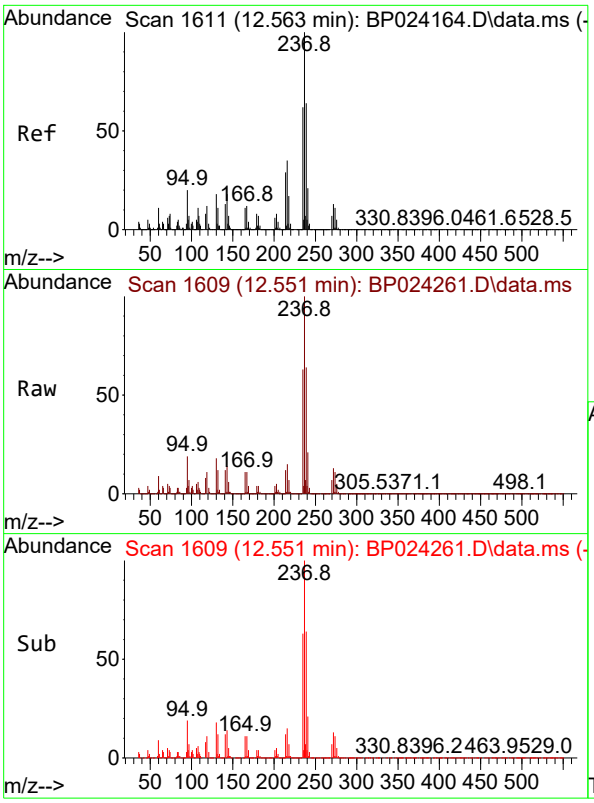


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.624 ng
RT: 12.569 min Scan# 1612
Delta R.T. 0.006 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion:216 Resp: 852812

Ion	Ratio	Lower	Upper
216	100		
214	78.5	62.8	94.2
179	21.6	16.8	25.2
108	21.8	14.7	22.1



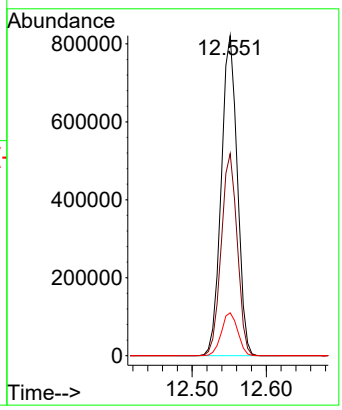


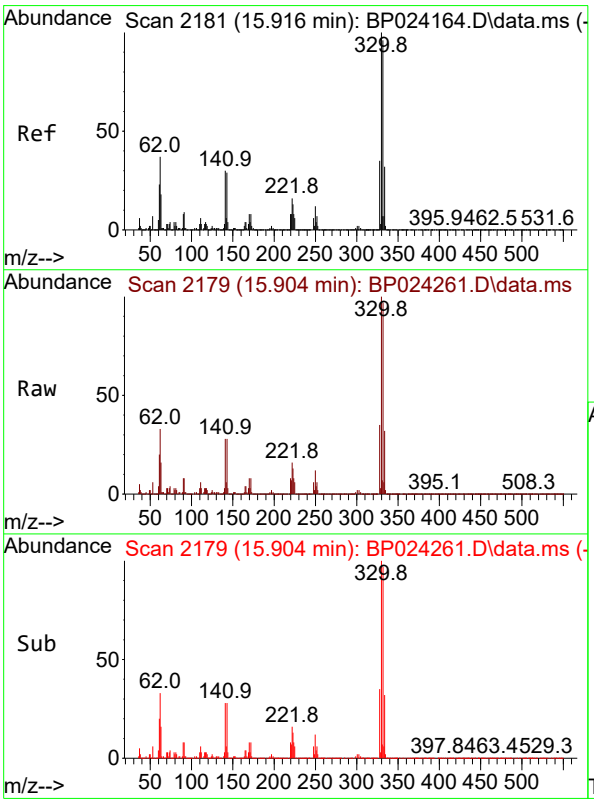
#41
Hexachlorocyclopentadiene
Concen: 191.246 ng
RT: 12.551 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion:237 Resp: 1234479

Ion	Ratio	Lower	Upper
237	100		
235	63.2	41.8	81.8
272	13.4	0.0	33.5

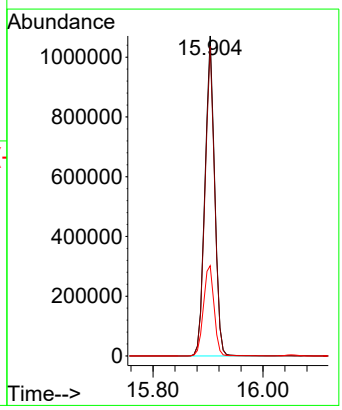


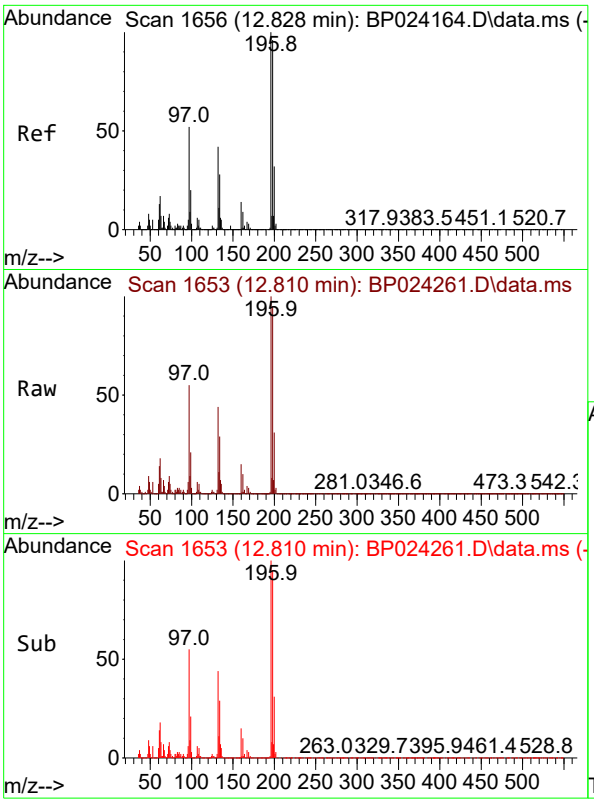


#42
2,4,6-Tribromophenol
Concen: 167.154 ng
RT: 15.904 min Scan# 2179
Delta R.T. 0.006 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion:330 Resp: 1304316

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.6	116.4
141	30.9	25.0	37.6



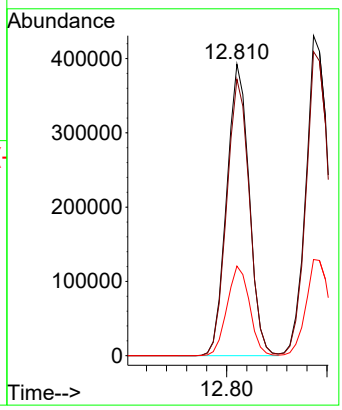


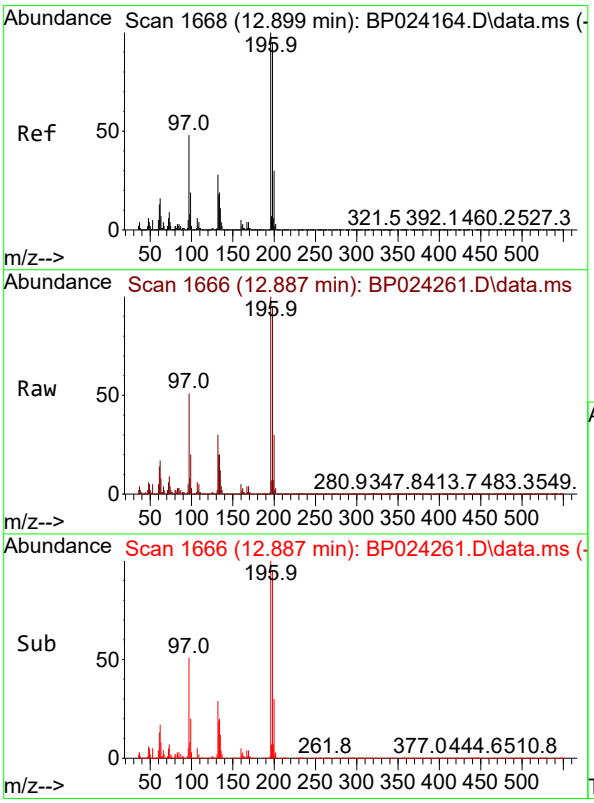
#43
2,4,6-Trichlorophenol
Concen: 53.738 ng
RT: 12.810 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion:196 Resp: 611555

Ion	Ratio	Lower	Upper
196	100		
198	94.9	76.6	115.0
200	30.8	25.4	38.0

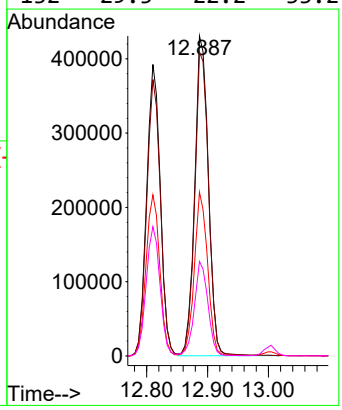


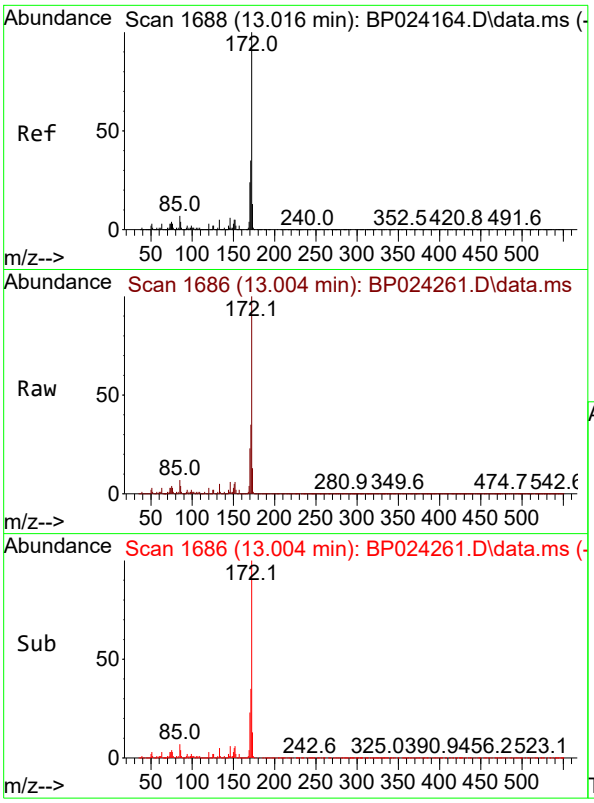


#44
2,4,5-Trichlorophenol
Concen: 53.930 ng
RT: 12.887 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion:196 Resp: 673077

Ion	Ratio	Lower	Upper
196	100		
198	95.0	76.5	114.7
97	51.2	38.7	58.1
132	29.5	22.2	33.2



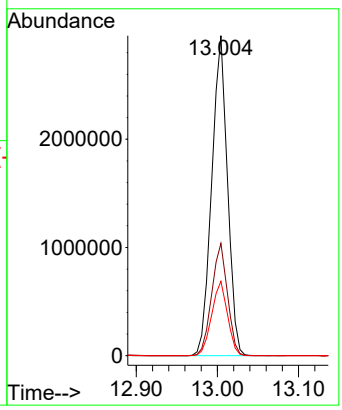


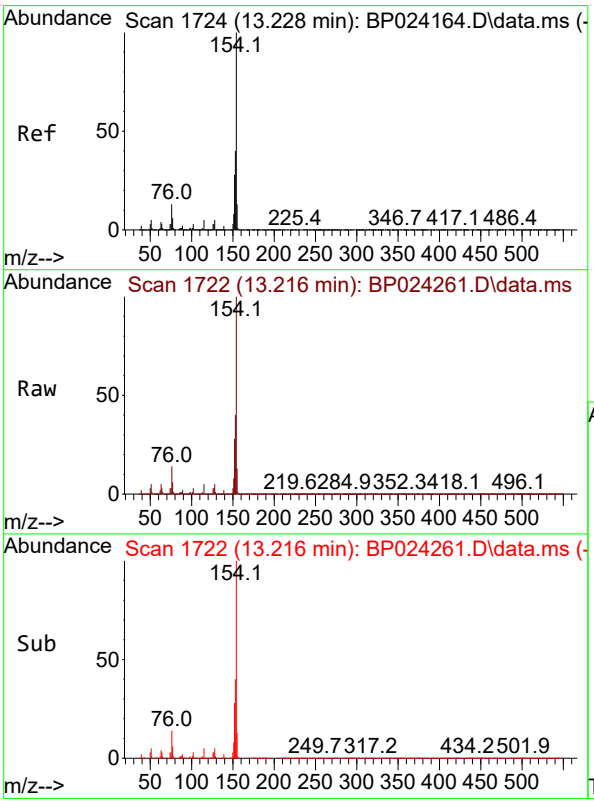
#45
2-Fluorobiphenyl
Concen: 94.727 ng
RT: 13.004 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion:172 Resp: 3979657

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.3	42.5
170	23.3	19.0	28.4

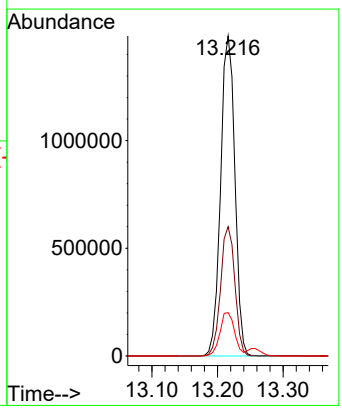


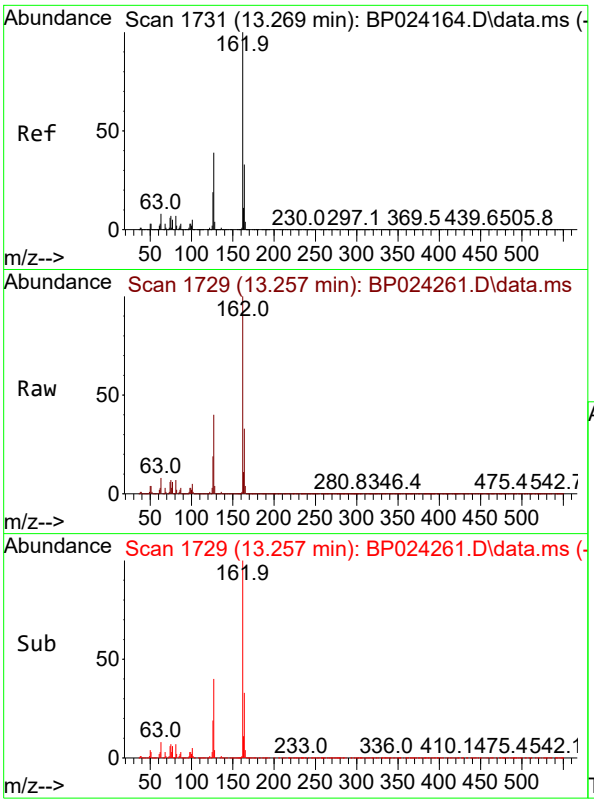


#46
1,1'-Biphenyl
Concen: 48.016 ng
RT: 13.216 min Scan# 1722
Delta R.T. 0.006 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion:154 Resp: 2235200

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.3	60.3
76	13.5	0.0	32.9



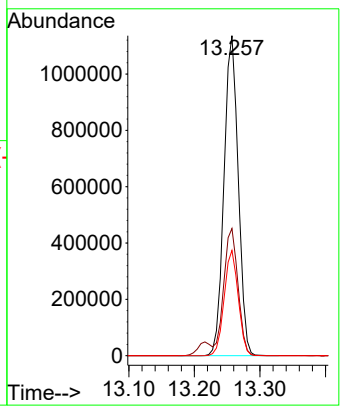


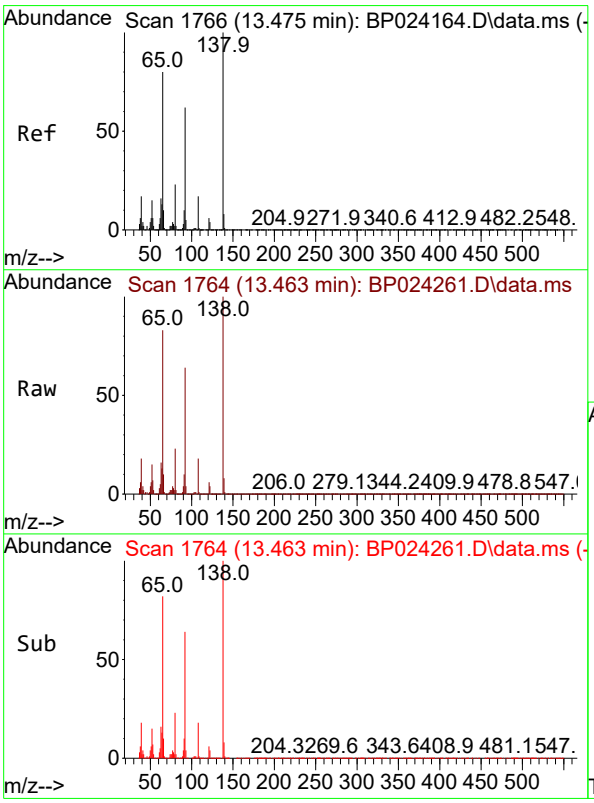
#47
2-Chloronaphthalene
Concen: 48.766 ng
RT: 13.257 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion:162 Resp: 1707493

Ion	Ratio	Lower	Upper
162	100		
127	39.8	31.5	47.3
164	32.9	26.6	39.8

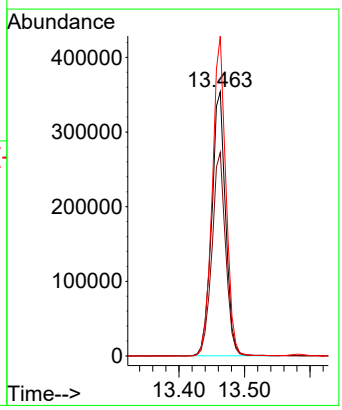


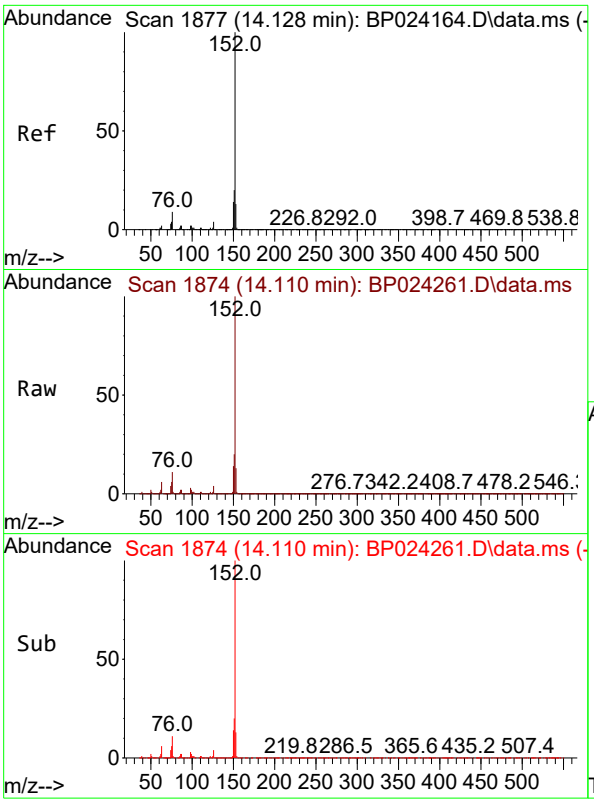


#48
2-Nitroaniline
Concen: 58.030 ng
RT: 13.463 min Scan# 1764
Delta R.T. 0.000 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion: 65 Resp: 519695

Ion	Ratio	Lower	Upper
65	100		
92	77.0	62.1	93.1
138	121.2	99.5	149.3



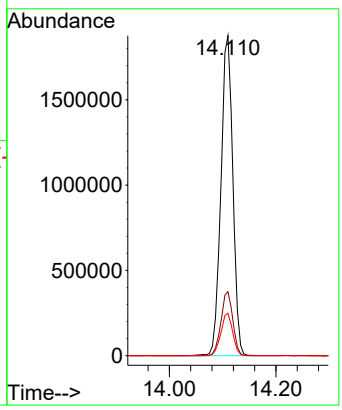


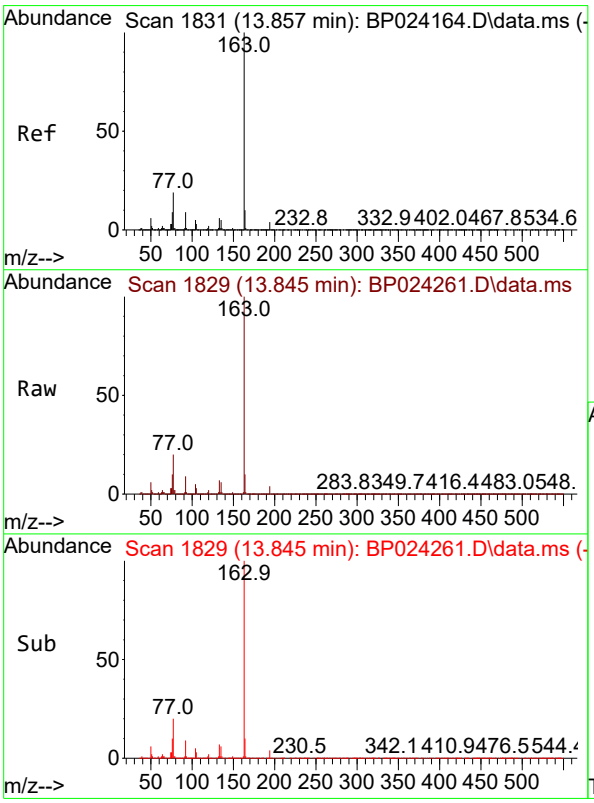
#49
Acenaphthylene
Concen: 54.810 ng
RT: 14.110 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion:152 Resp: 2903889

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	13.2	10.6	15.8

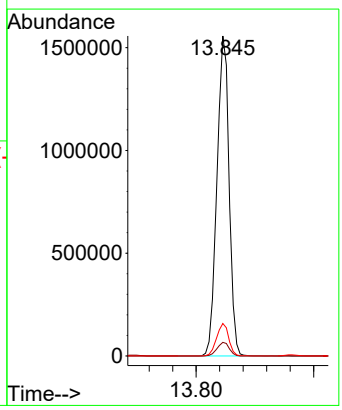


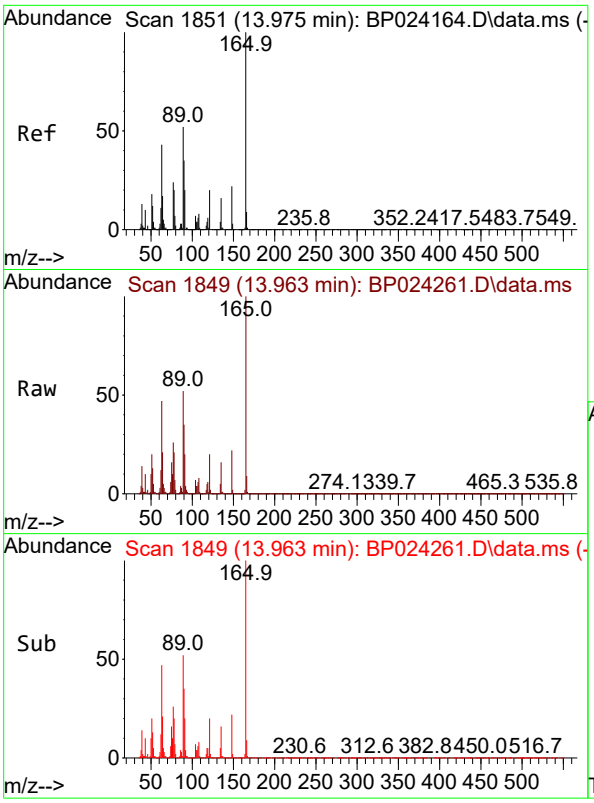


#50
Dimethylphthalate
Concen: 51.337 ng
RT: 13.845 min Scan# 1829
Delta R.T. 0.006 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion:163 Resp: 2225271

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.2	8.2	12.4



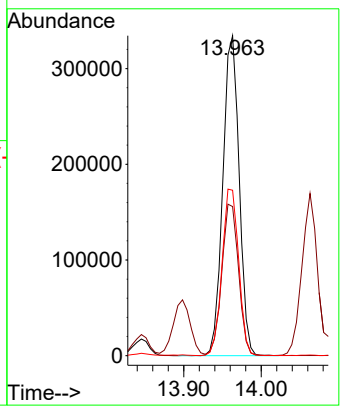


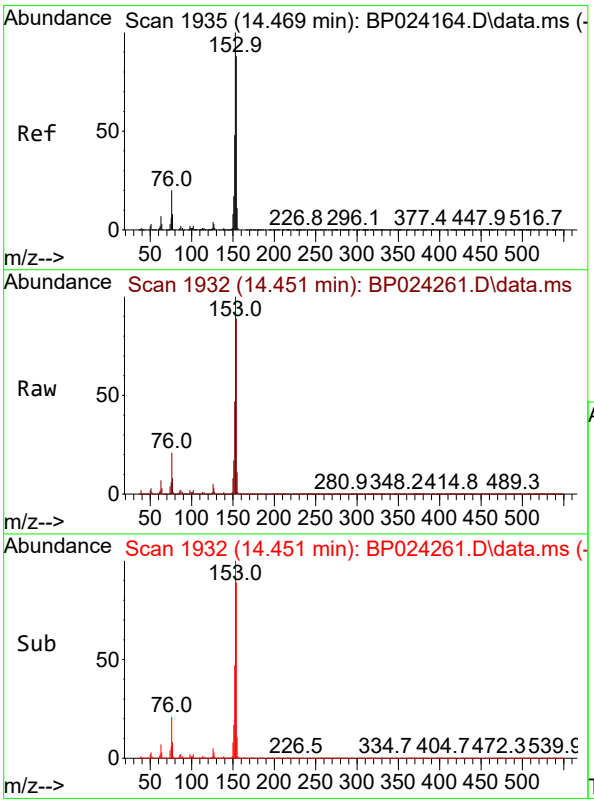
#51
2,6-Dinitrotoluene
Concen: 53.729 ng
RT: 13.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion:165 Resp: 490016

Ion	Ratio	Lower	Upper
165	100		
63	46.6	37.7	56.5
89	51.7	41.9	62.9

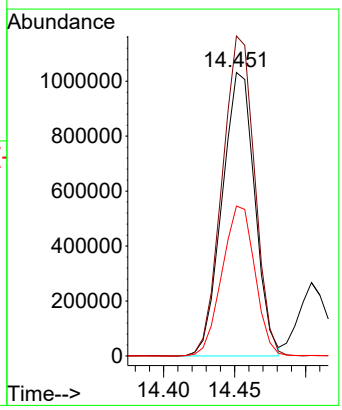


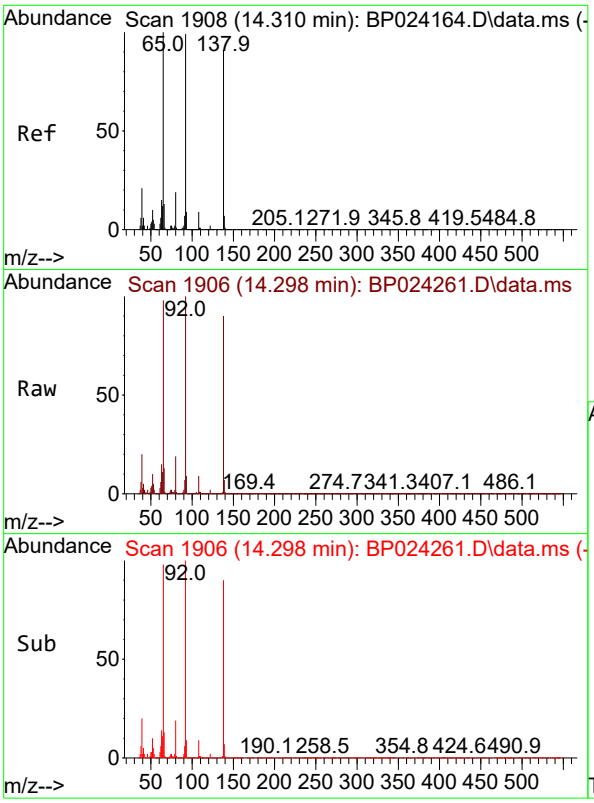


#52
Acenaphthene
Concen: 48.755 ng
RT: 14.451 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion:154 Resp: 1650394

Ion	Ratio	Lower	Upper
154	100		
153	112.9	90.5	135.7
152	52.9	43.1	64.7



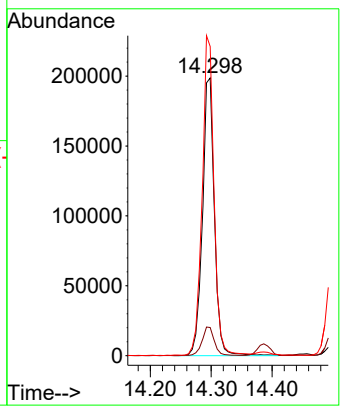


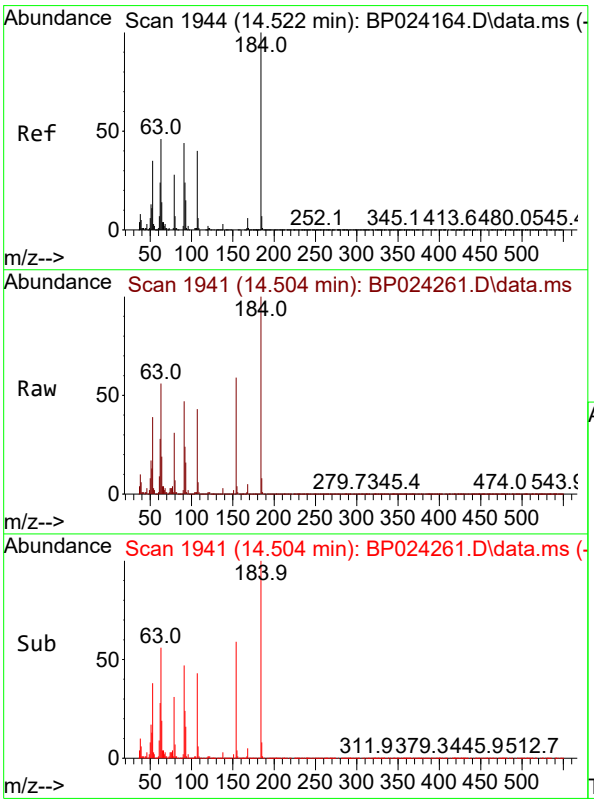
#53
3-Nitroaniline
Concen: 27.385 ng
RT: 14.298 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion:138 Resp: 269754

Ion	Ratio	Lower	Upper
138	100		
108	10.1	8.2	12.2
92	111.3	86.7	130.1

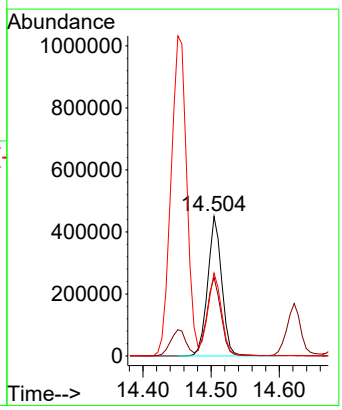


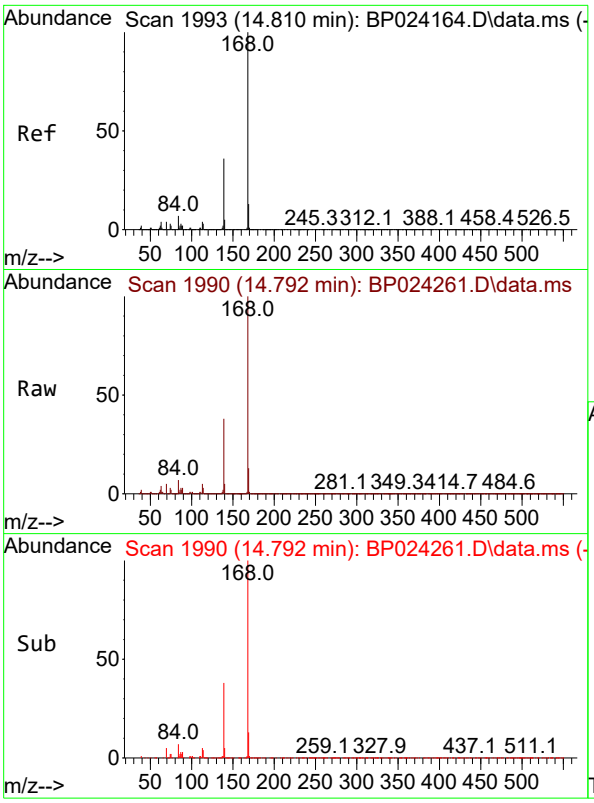


#54
2,4-Dinitrophenol
Concen: 133.999 ng
RT: 14.504 min Scan# 1941
Delta R.T. 0.000 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion:184 Resp: 646648

Ion	Ratio	Lower	Upper
184	100		
63	56.3	42.1	63.1
154	59.4	44.6	67.0



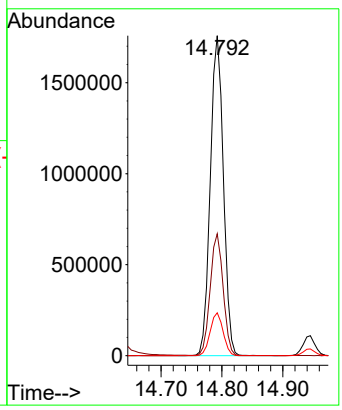


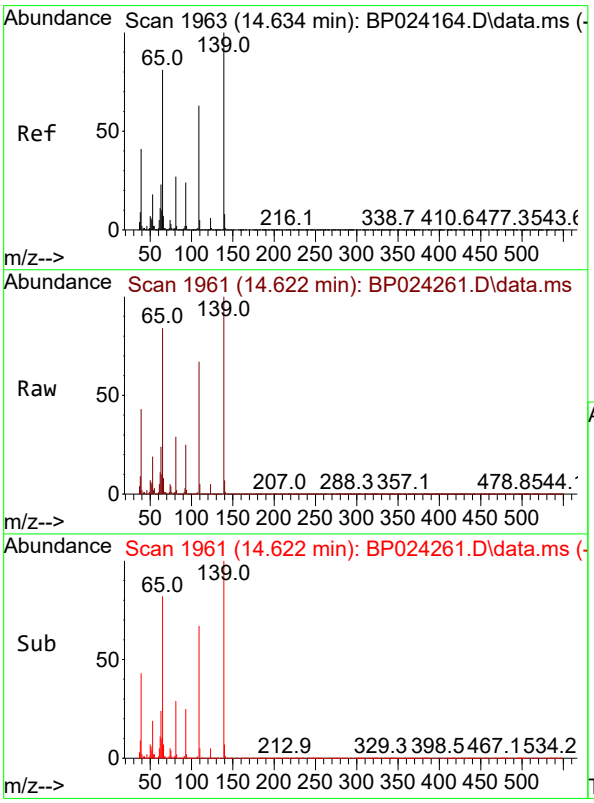
#55
Dibenzofuran
Concen: 47.825 ng
RT: 14.792 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion:168 Resp: 2622316

Ion	Ratio	Lower	Upper
168	100		
139	38.1	29.1	43.7
169	13.4	10.8	16.2

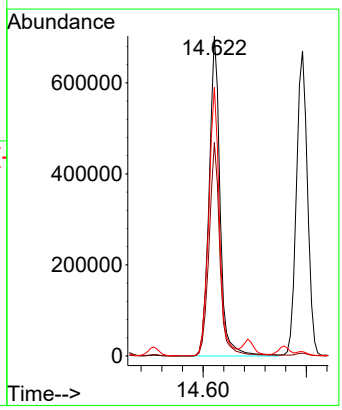


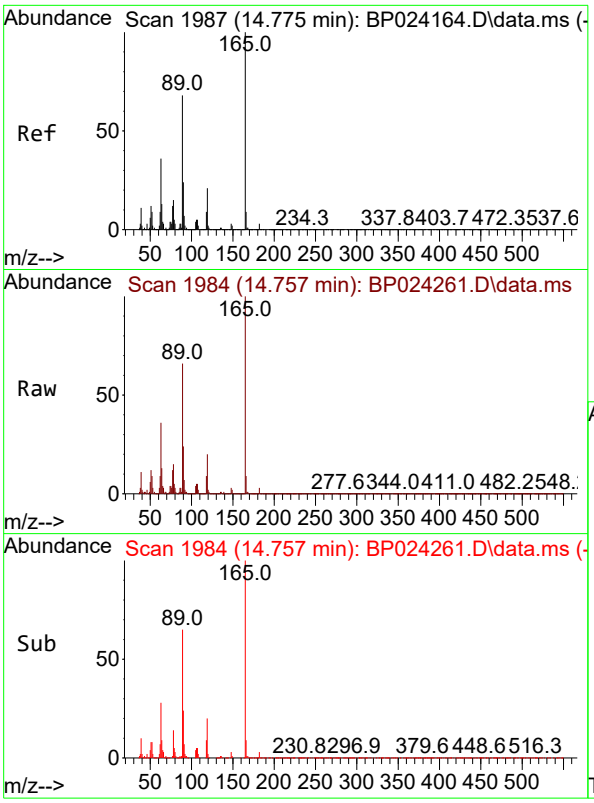


#56
4-Nitrophenol
Concen: 125.684 ng
RT: 14.622 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion:139 Resp: 1034475

Ion	Ratio	Lower	Upper
139	100		
109	66.7	43.3	83.3
65	84.0	61.2	101.2



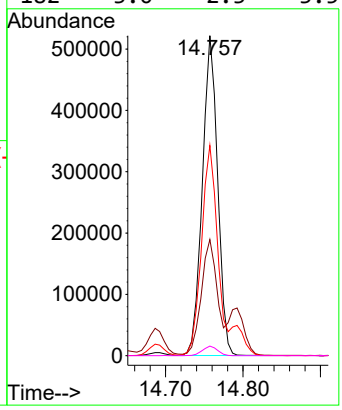


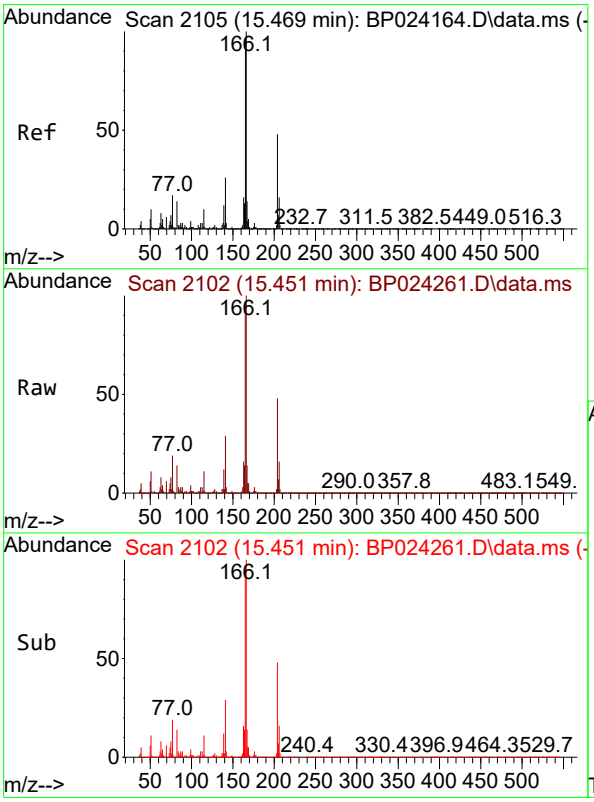
#57
2,4-Dinitrotoluene
Concen: 59.384 ng
RT: 14.757 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion:165 Resp: 715389

Ion	Ratio	Lower	Upper
165	100		
63	36.3	29.0	43.6
89	65.7	54.2	81.4
182	3.0	2.3	3.5

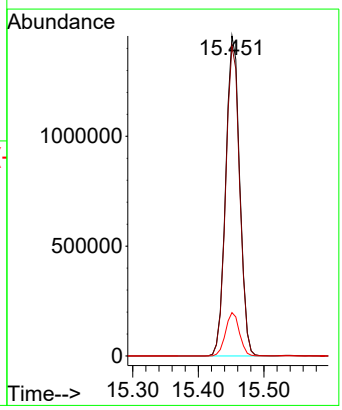


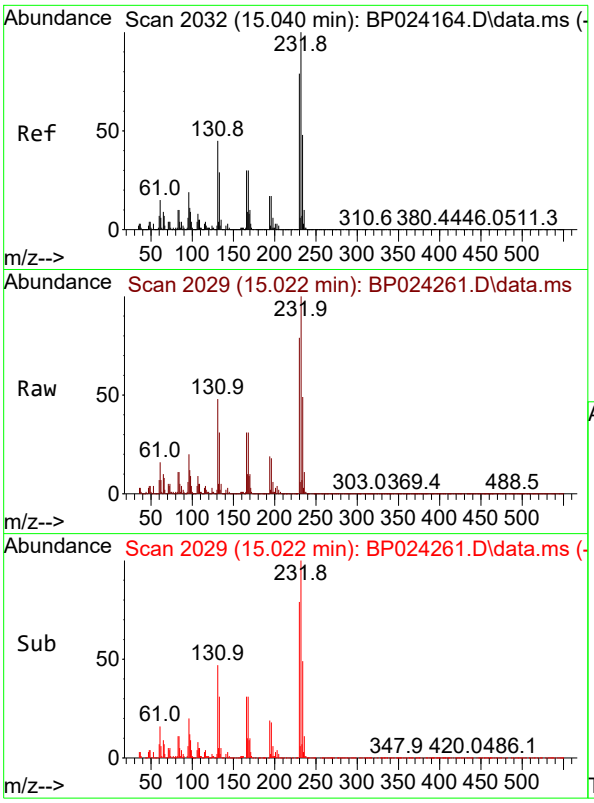


#58
Fluorene
Concen: 50.439 ng
RT: 15.451 min Scan# 2102
Delta R.T. -0.006 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion:166 Resp: 2154829

Ion	Ratio	Lower	Upper
166	100		
165	96.8	77.6	116.4
167	13.6	10.8	16.2



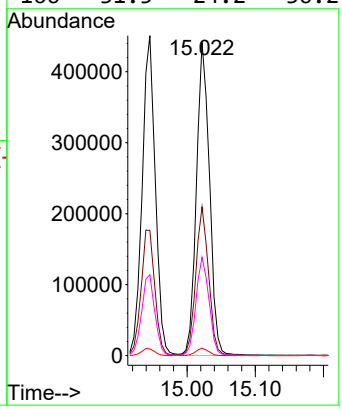


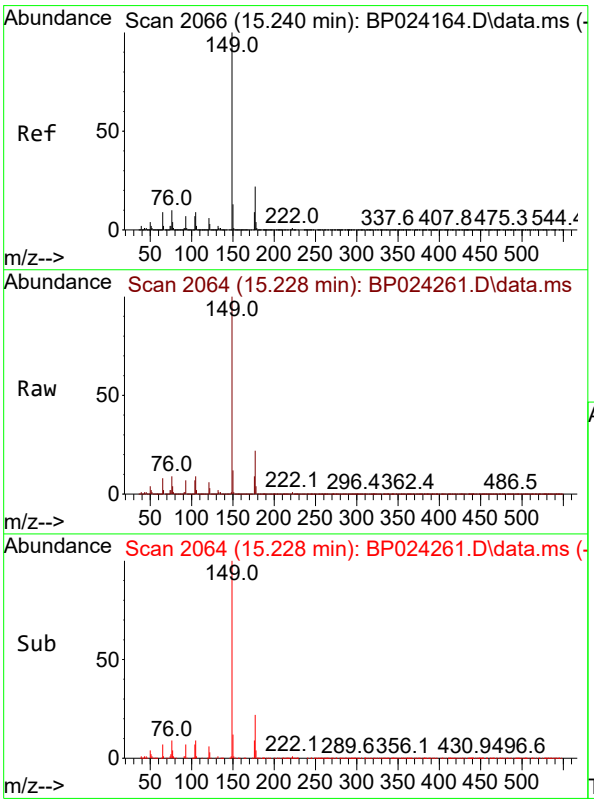
#59
2,3,4,6-Tetrachlorophenol
Concen: 53.225 ng
RT: 15.022 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion:232 Resp: 586898

Ion	Ratio	Lower	Upper
232	100		
131	46.8	35.9	53.9
130	2.4	1.8	2.6
166	31.5	24.2	36.2

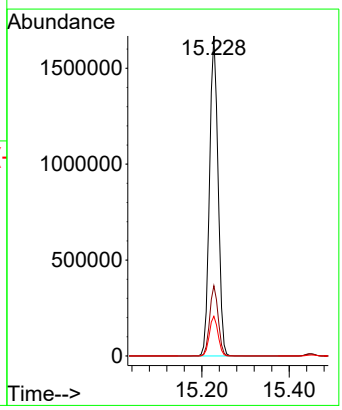


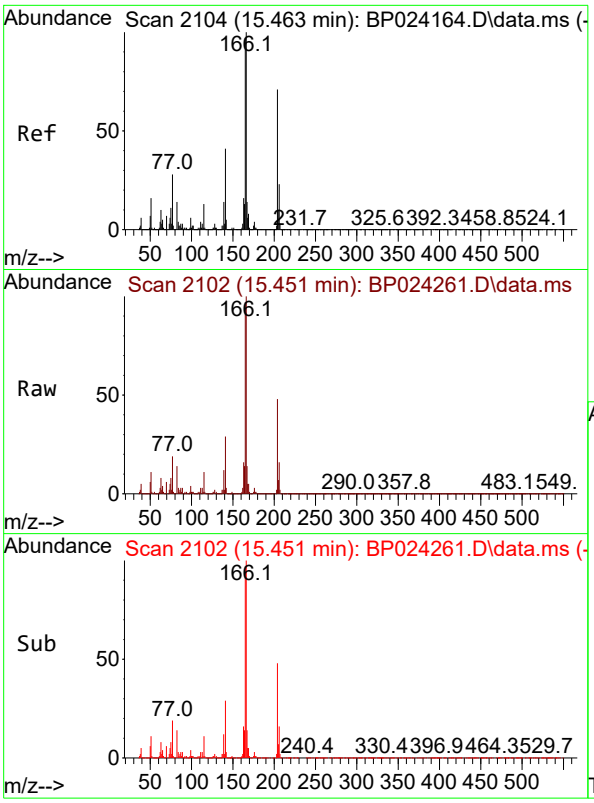


#60
Diethylphthalate
Concen: 52.585 ng
RT: 15.228 min Scan# 2064
Delta R.T. 0.000 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion:149 Resp: 2269853

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.7	26.5
150	12.4	10.2	15.4



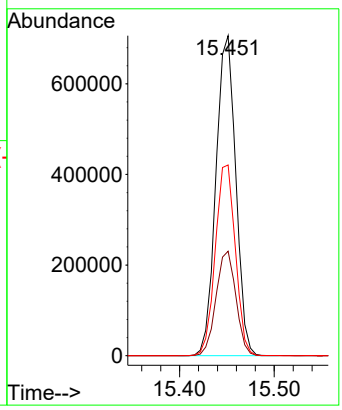


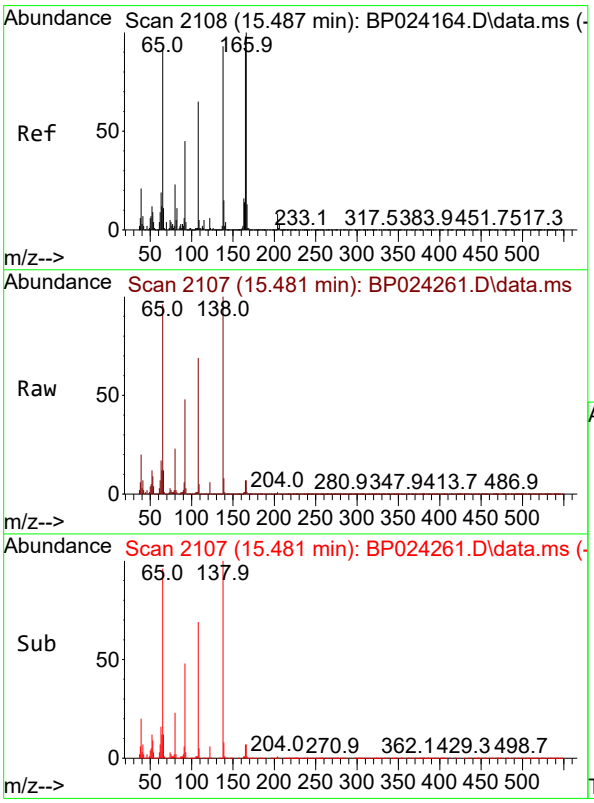
#61
4-Chlorophenyl-phenylether
Concen: 49.137 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion:204 Resp: 1029595

Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.4	39.6
141	59.6	45.8	68.8

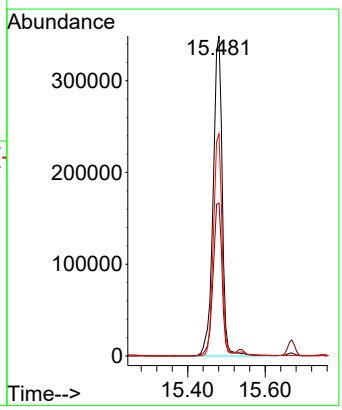


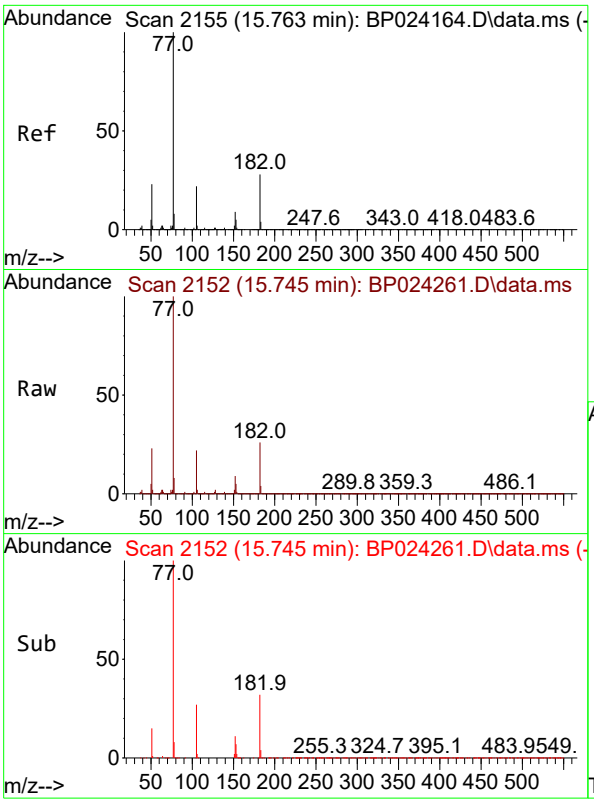


#62
4-Nitroaniline
Concen: 54.943 ng
RT: 15.481 min Scan# 2107
Delta R.T. 0.006 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion:138 Resp: 567626

Ion	Ratio	Lower	Upper
138	100		
92	47.8	28.7	68.7
108	69.3	49.5	89.5



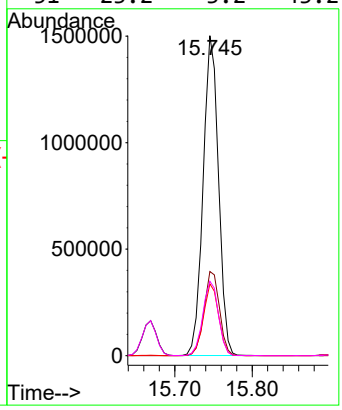


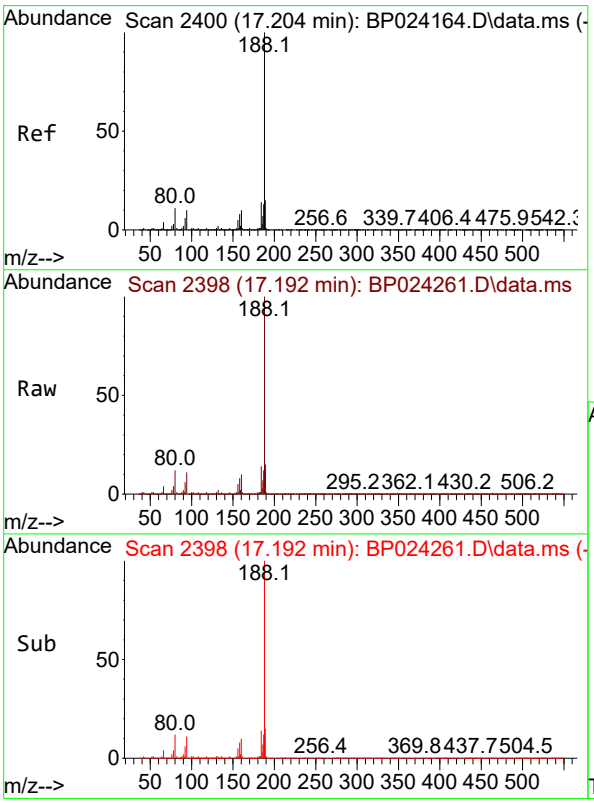
#63
Azobenzene
Concen: 50.784 ng
RT: 15.745 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion: 77 Resp: 2066101

Ion	Ratio	Lower	Upper
77	100		
182	26.3	7.7	47.7
105	22.5	2.3	42.3
51	23.2	3.2	43.2

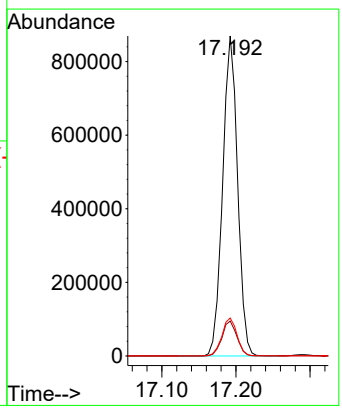


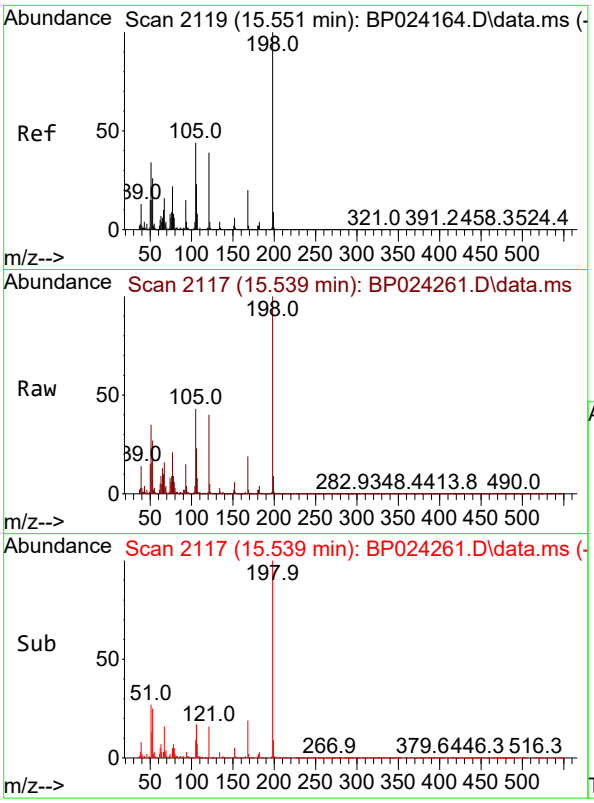


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.192 min Scan# 2398
Delta R.T. 0.000 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion:188 Resp: 1216306

Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.1	12.1
80	11.8	8.9	13.3



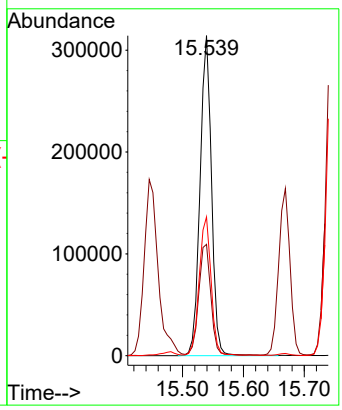


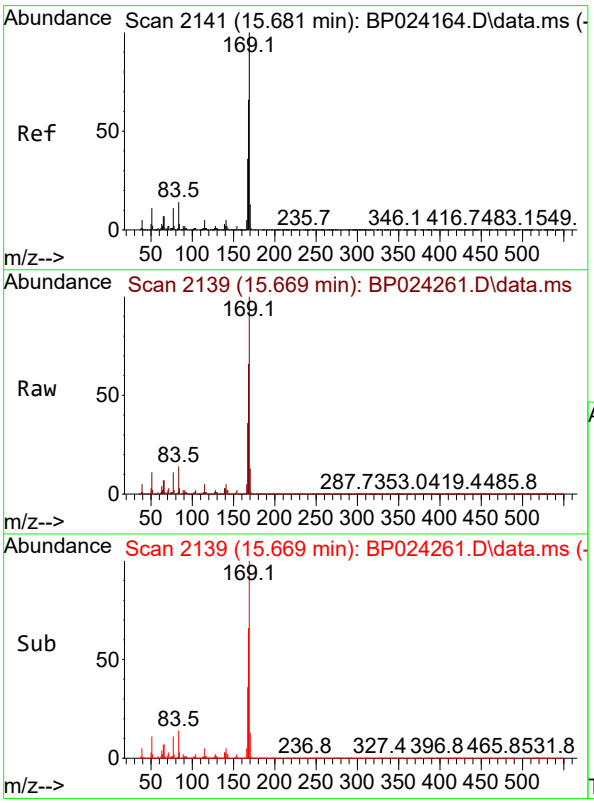
#65
4,6-Dinitro-2-methylphenol
Concen: 56.894 ng
RT: 15.539 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion:198 Resp: 410813

Ion	Ratio	Lower	Upper
198	100		
51	34.8	14.7	54.7
105	43.4	23.8	63.8

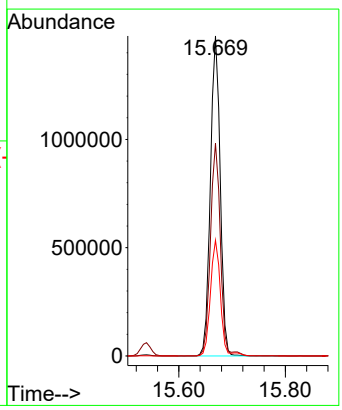


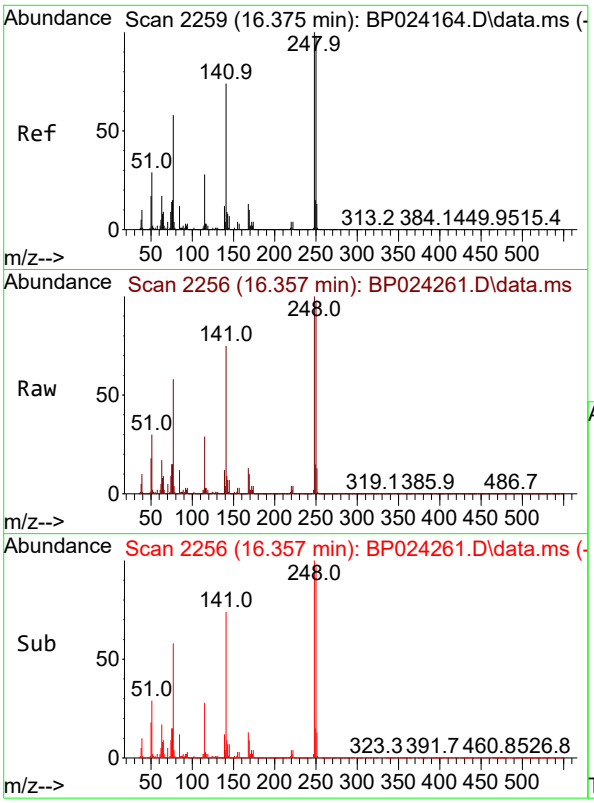


#66
n-Nitrosodiphenylamine
Concen: 51.070 ng
RT: 15.669 min Scan# 2139
Delta R.T. 0.000 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion:169 Resp: 1886274

Ion	Ratio	Lower	Upper
169	100		
168	66.4	52.9	79.3
167	36.1	28.8	43.2



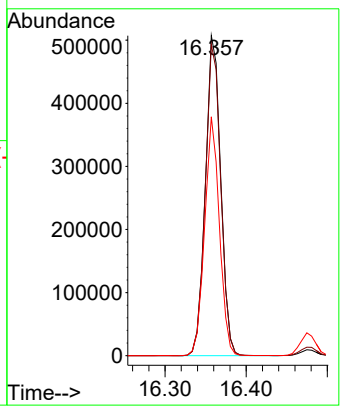


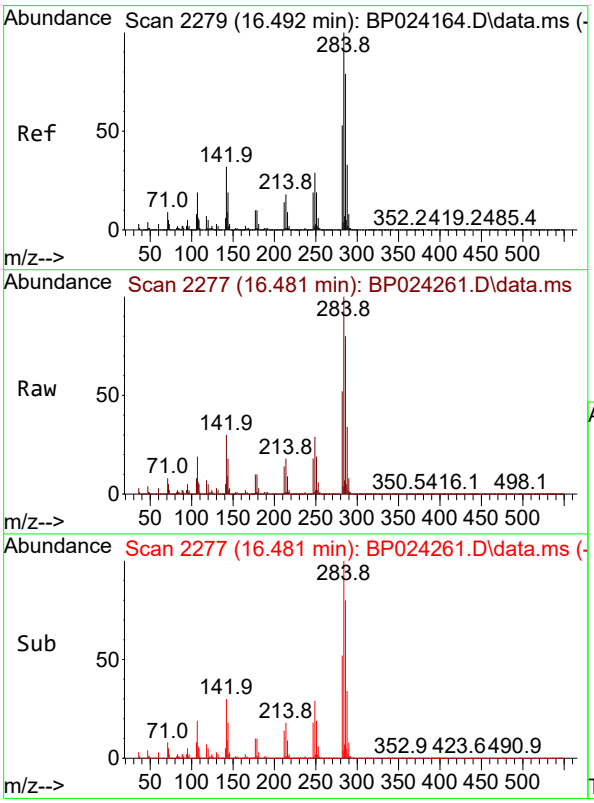
#67
4-Bromophenyl-phenylether
Concen: 49.763 ng
RT: 16.357 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion:248 Resp: 664537

Ion	Ratio	Lower	Upper
248	100		
250	97.3	78.4	117.6
141	74.7	59.4	89.0

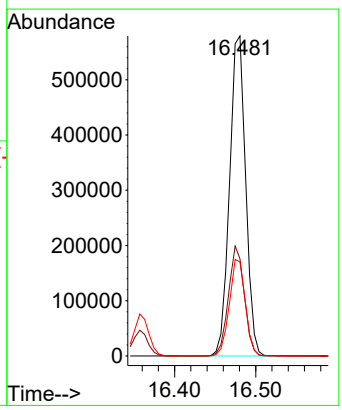


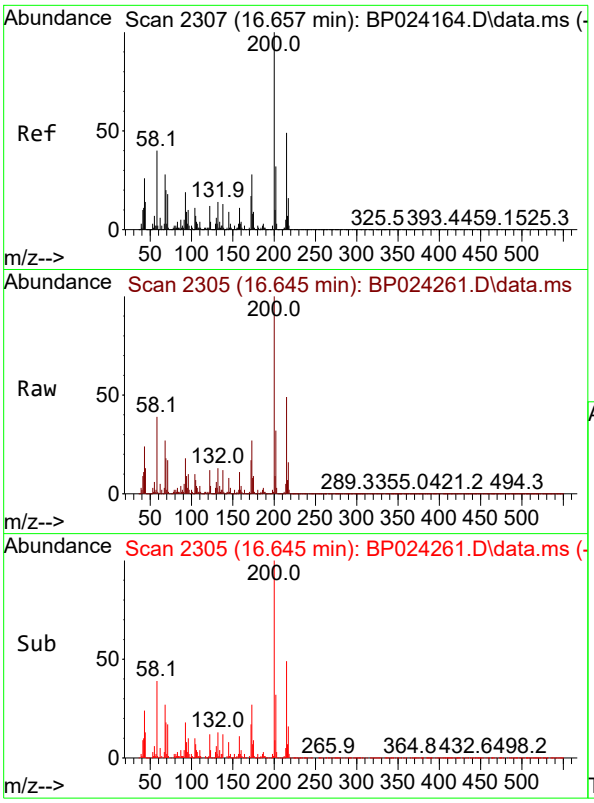


#68
Hexachlorobenzene
Concen: 50.378 ng
RT: 16.481 min Scan# 2277
Delta R.T. 0.000 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion:284 Resp: 796254

Ion	Ratio	Lower	Upper
284	100		
142	30.3	25.4	38.2
249	29.4	23.5	35.3



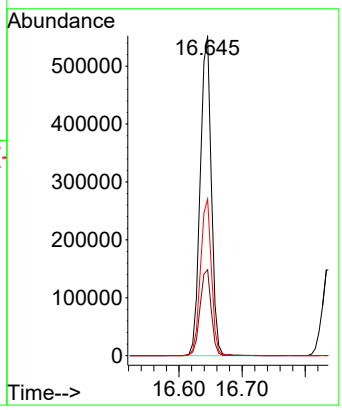


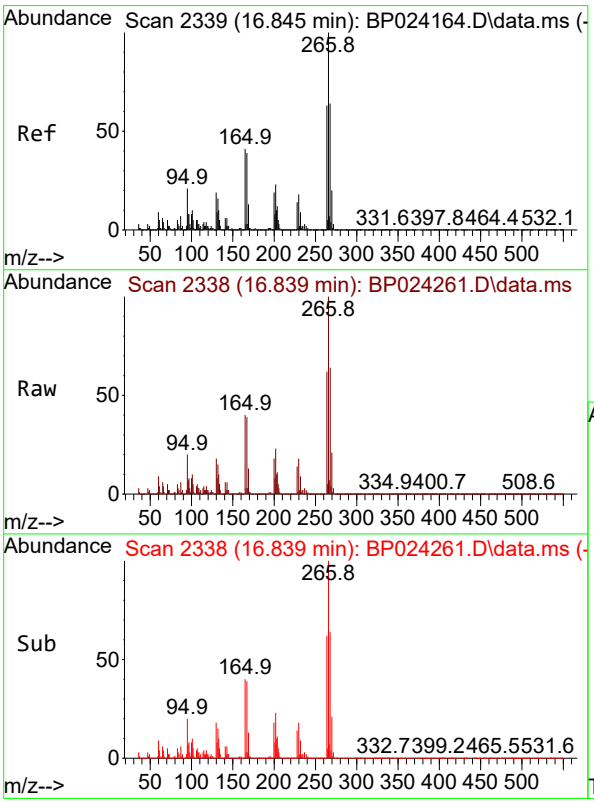
#69
Atrazine
Concen: 75.415 ng
RT: 16.645 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion:200 Resp: 672316

Ion	Ratio	Lower	Upper
200	100		
173	26.8	7.6	47.6
215	48.9	29.0	69.0

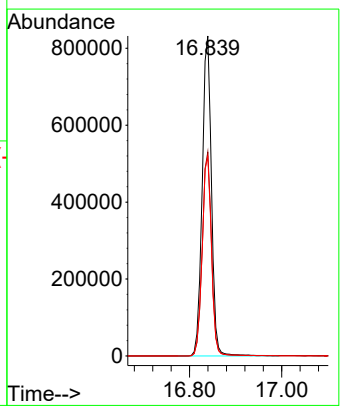


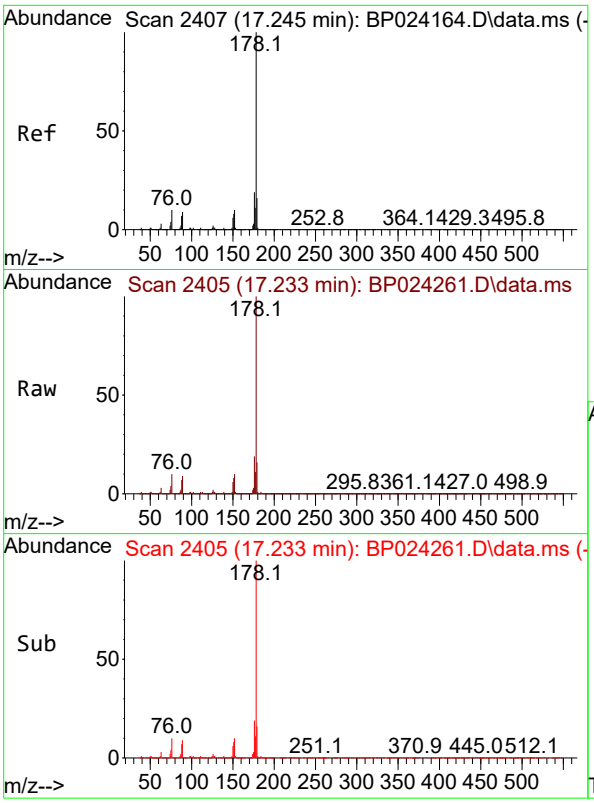


#70
Pentachlorophenol
Concen: 114.492 ng
RT: 16.839 min Scan# 2338
Delta R.T. 0.000 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion:266 Resp: 1170265

Ion	Ratio	Lower	Upper
266	100		
268	63.7	51.3	76.9
264	62.4	50.6	76.0



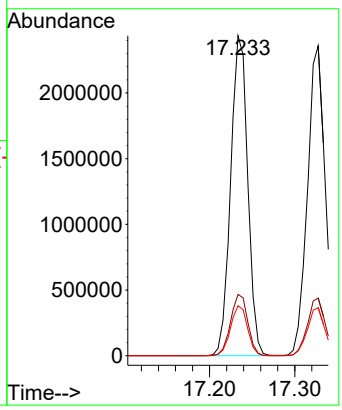


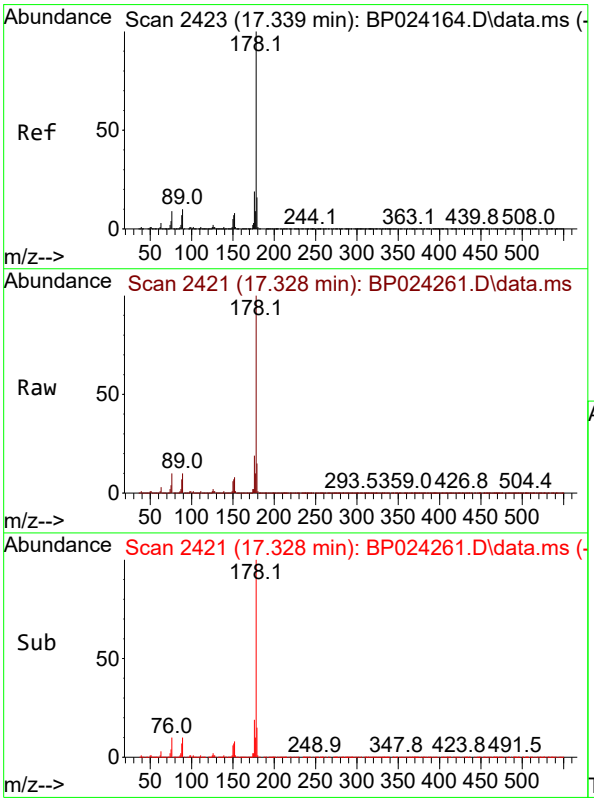
#71
Phenanthrene
Concen: 50.976 ng
RT: 17.233 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion:178 Resp: 3387175

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.6	23.4
179	15.6	12.5	18.7

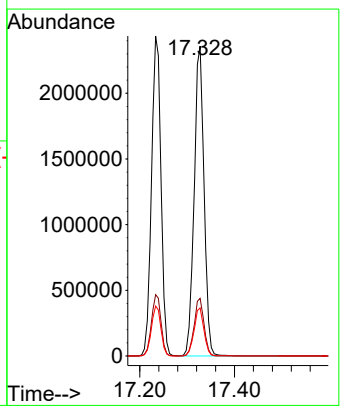


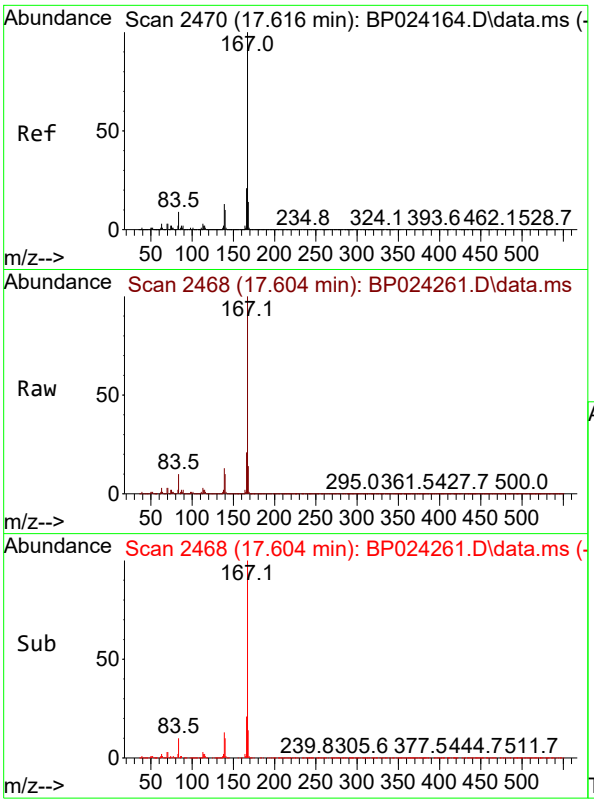


#72
Anthracene
Concen: 52.827 ng
RT: 17.328 min Scan# 2421
Delta R.T. 0.006 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion:178 Resp: 3418770

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.2	22.8
179	15.5	12.6	18.8



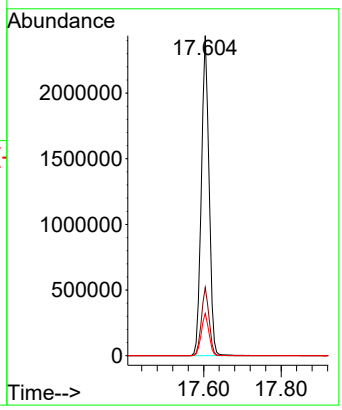


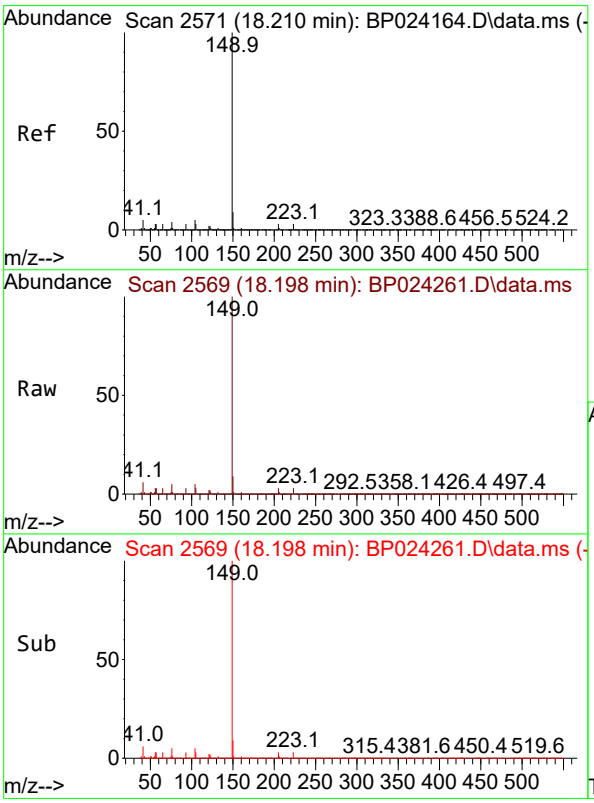
#73
Carbazole
Concen: 53.791 ng
RT: 17.604 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion:167 Resp: 3357130

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.1	25.7
139	13.2	10.2	15.4

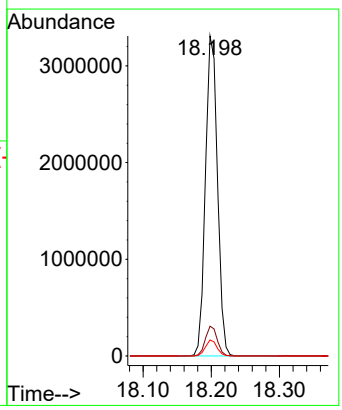


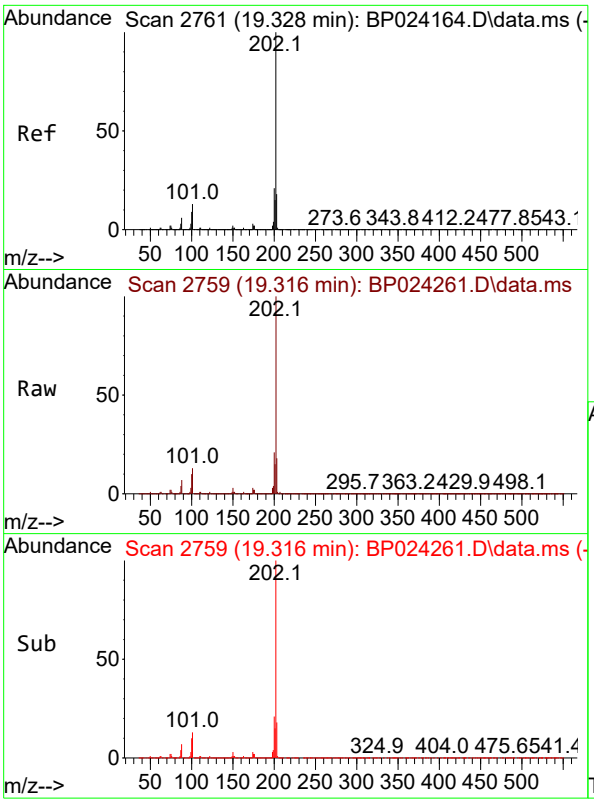


#74
Di-n-butylphthalate
Concen: 54.769 ng
RT: 18.198 min Scan# 2569
Delta R.T. -0.006 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion:149 Resp: 4057764

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.6	11.4
104	5.0	3.9	5.9



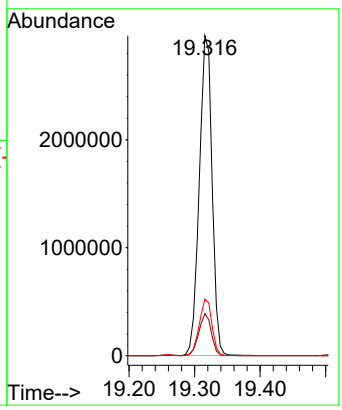


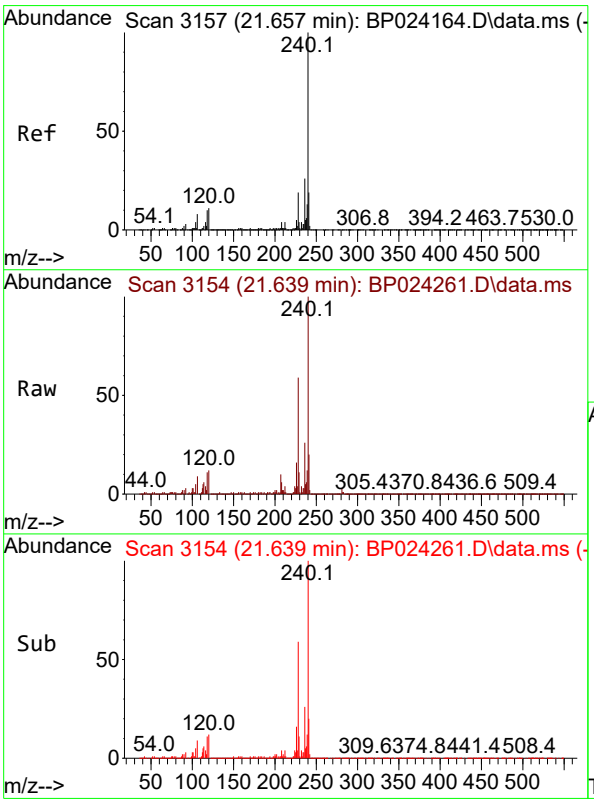
#75
Fluoranthene
Concen: 52.374 ng
RT: 19.316 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion:202 Resp: 4030536

Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	32.5
203	17.7	0.0	37.9

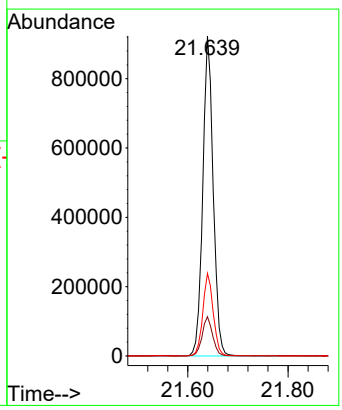


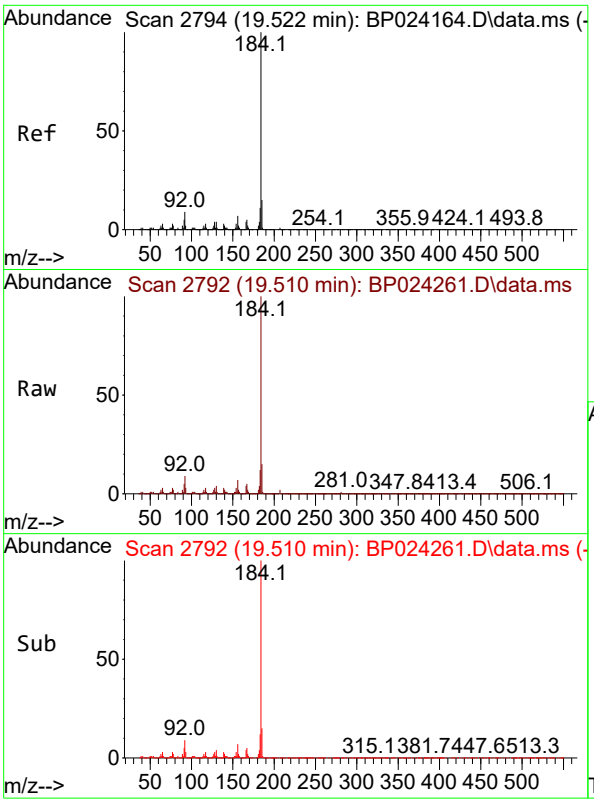


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.639 min Scan# 3154
Delta R.T. -0.006 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion:240 Resp: 1332930

Ion	Ratio	Lower	Upper
240	100		
120	12.3	9.2	13.8
236	25.8	20.4	30.6



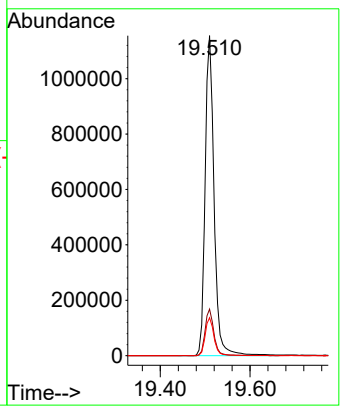


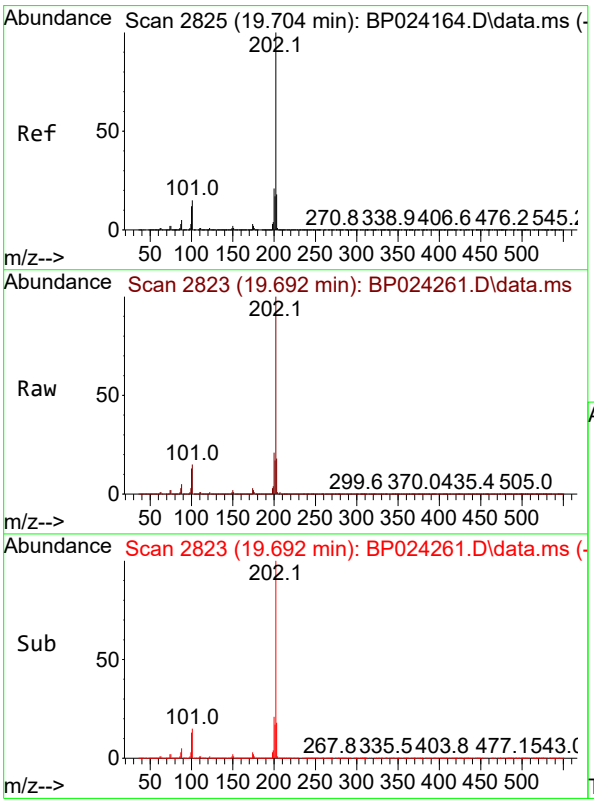
#77
Benzidine
Concen: 109.861 ng
RT: 19.510 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion:184 Resp: 1601060

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.8	17.6
183	11.8	9.1	13.7

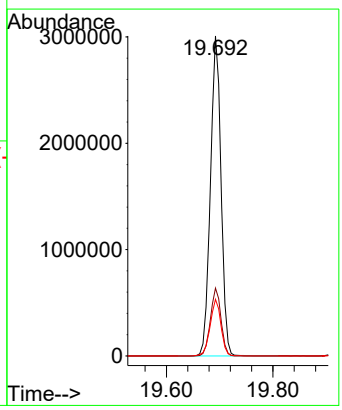


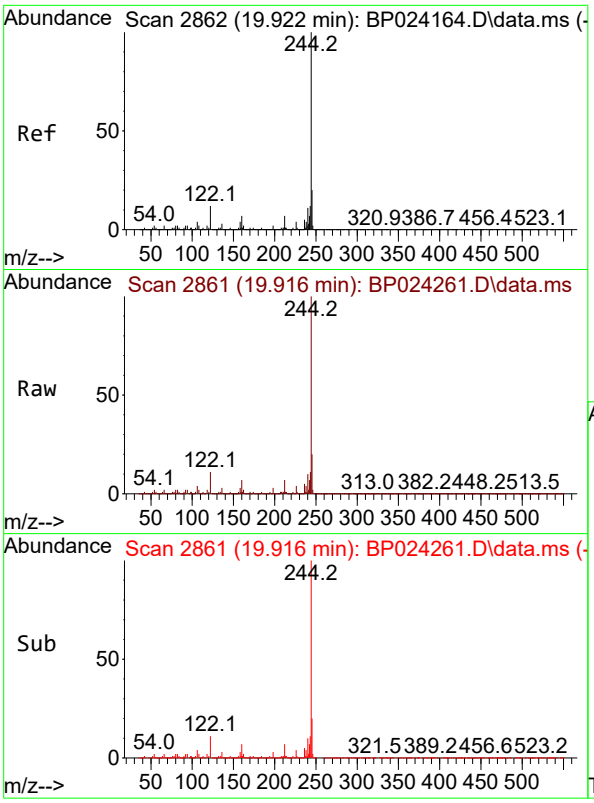


#78
Pyrene
Concen: 50.118 ng
RT: 19.692 min Scan# 2823
Delta R.T. -0.006 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion:202 Resp: 4153154

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.1	25.7
203	17.7	14.2	21.4



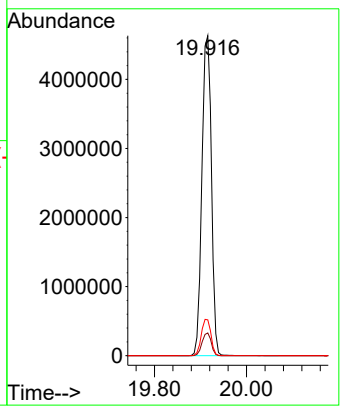


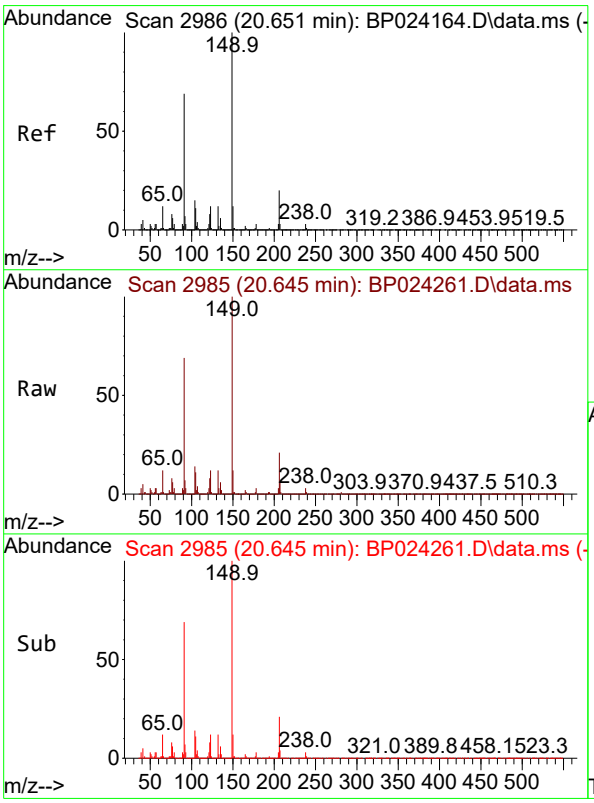
#79
Terphenyl-d14
Concen: 103.419 ng
RT: 19.916 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion:244 Resp: 6678080

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	11.2	9.6	14.4

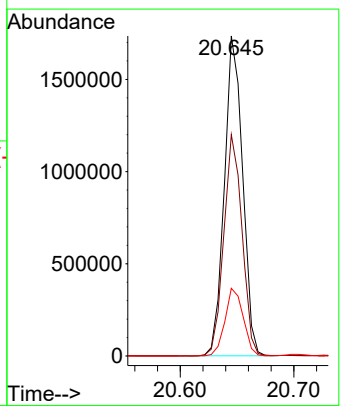


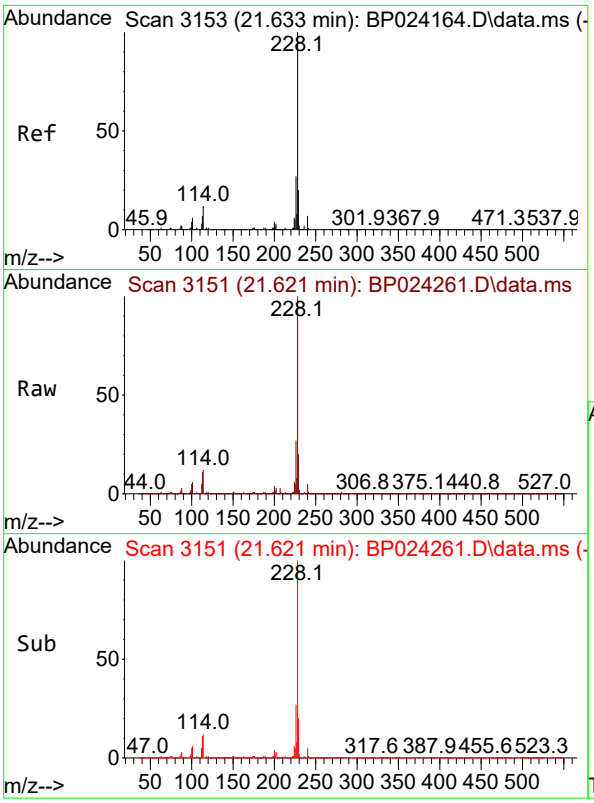


#80
Butylbenzylphthalate
Concen: 56.788 ng
RT: 20.645 min Scan# 2985
Delta R.T. 0.000 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion:149 Resp: 1940623

Ion	Ratio	Lower	Upper
149	100		
91	69.2	55.3	82.9
206	21.2	16.1	24.1



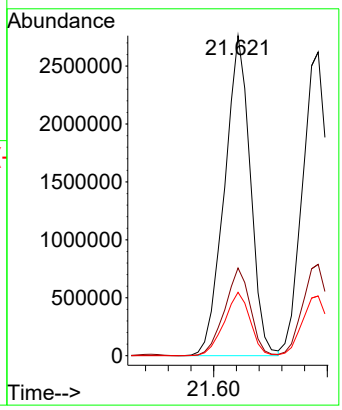


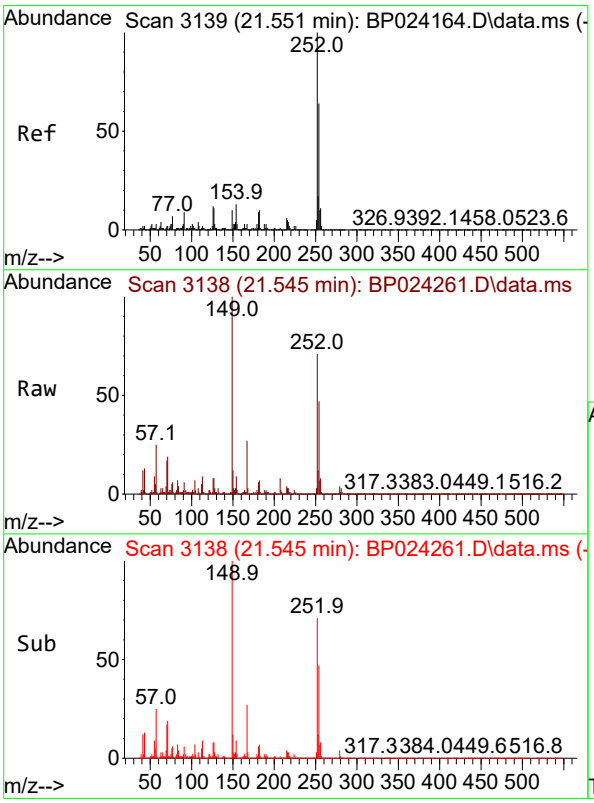
#81
Benzo(a)anthracene
Concen: 52.675 ng
RT: 21.621 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion:228 Resp: 4365233

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.8	32.8
229	19.8	16.0	24.0

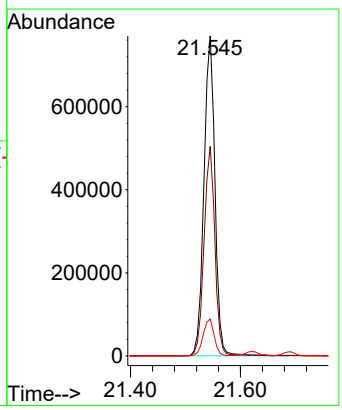


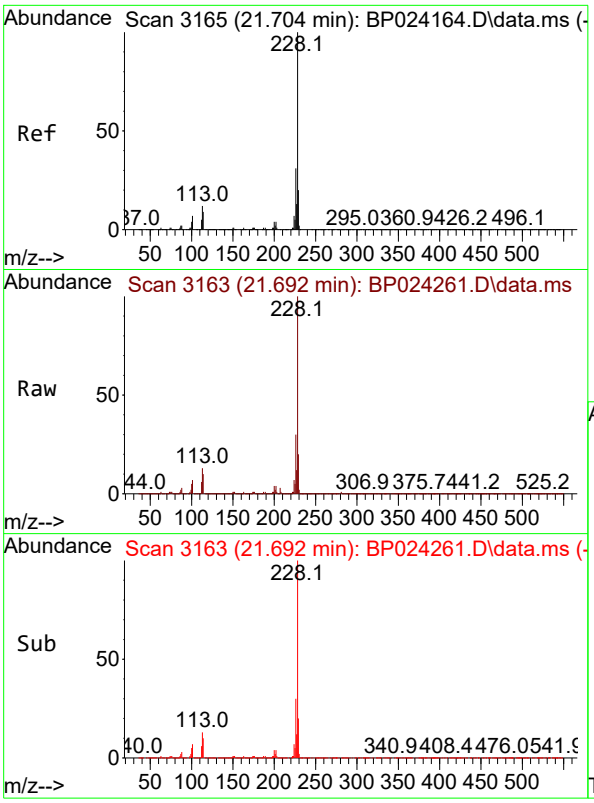


#82
3,3'-Dichlorobenzidine
Concen: 38.426 ng
RT: 21.545 min Scan# 3138
Delta R.T. 0.006 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion:252 Resp: 1067282

Ion	Ratio	Lower	Upper
252	100		
254	65.5	51.4	77.2
126	11.6	9.3	13.9



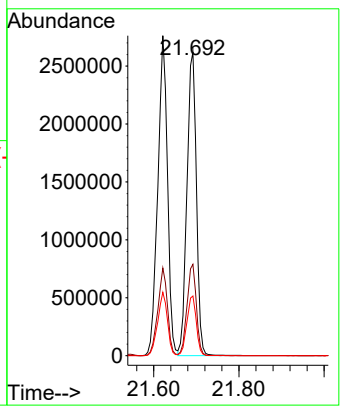


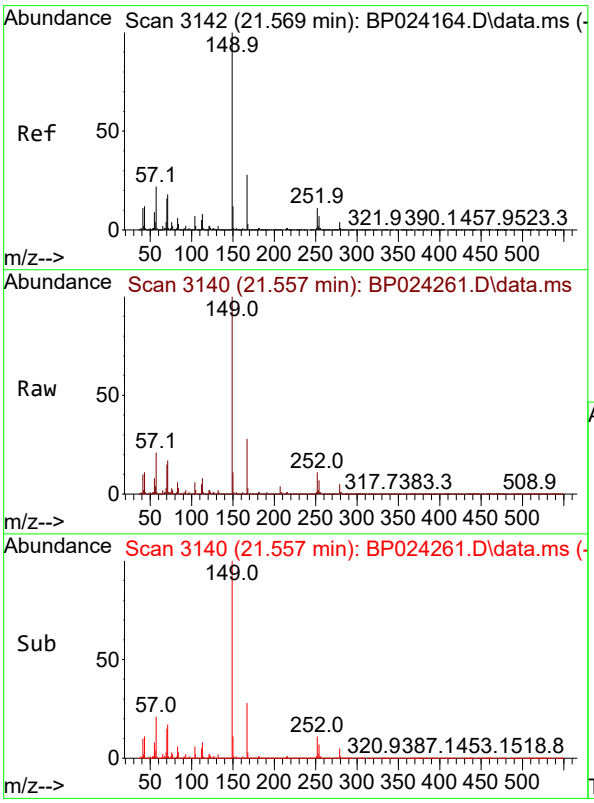
#83
Chrysene
Concen: 50.622 ng
RT: 21.692 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion:228 Resp: 4032865

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.5	36.7
229	19.7	16.2	24.2

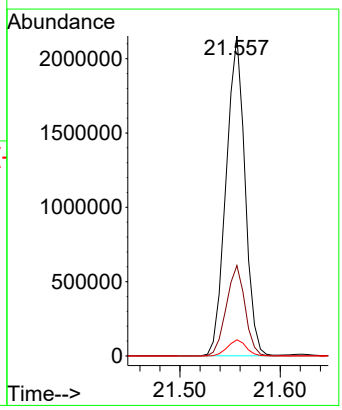


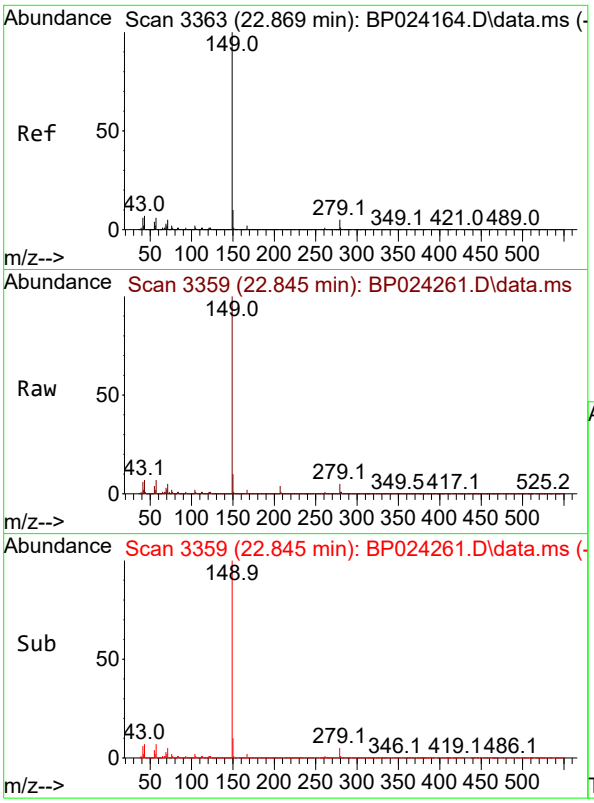


#84
Bis(2-ethylhexyl)phthalate
Concen: 54.573 ng
RT: 21.557 min Scan# 3140
Delta R.T. 0.000 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion:149 Resp: 2814005

Ion	Ratio	Lower	Upper
149	100		
167	28.3	22.5	33.7
279	5.0	3.6	5.4



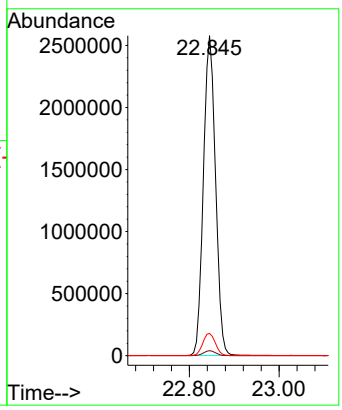


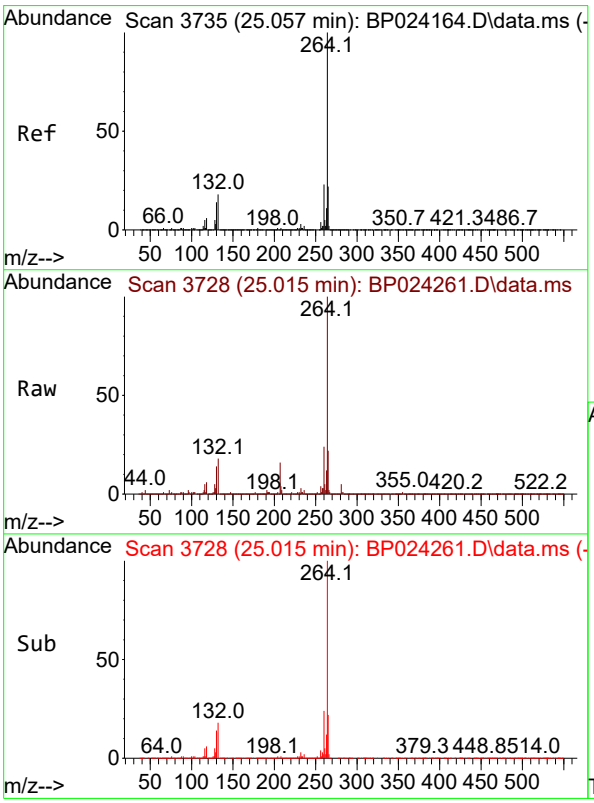
#85
Di-n-octyl phthalate
Concen: 58.304 ng
RT: 22.845 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion:149 Resp: 4816817

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.2	5.8	8.8

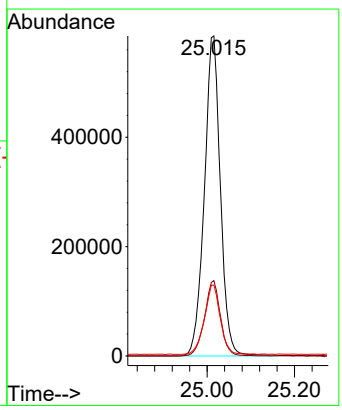


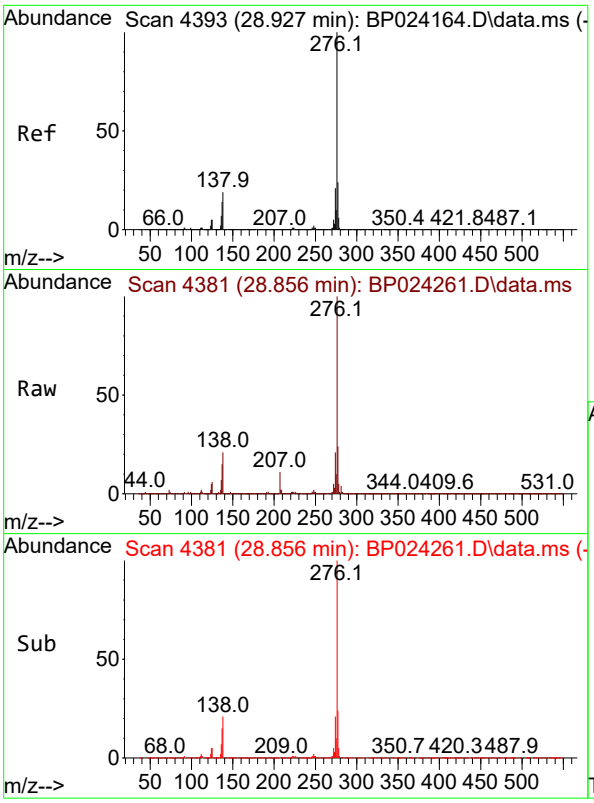


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.015 min Scan# 3728
Delta R.T. 0.006 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion:264 Resp: 1494830

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.5	27.7
265	22.1	17.7	26.5



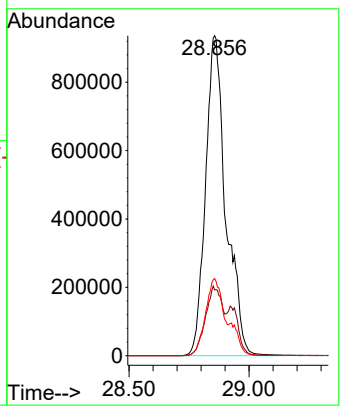


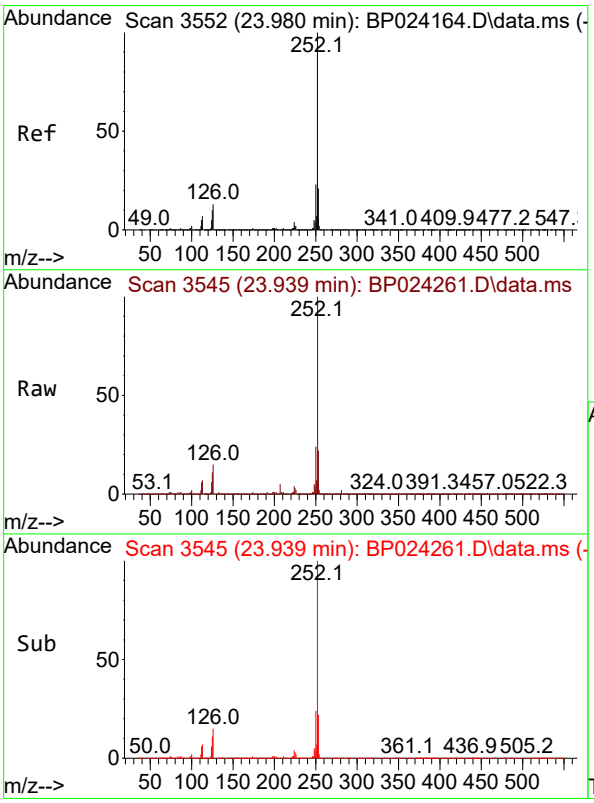
#87
Indeno(1,2,3-cd)pyrene
Concen: 52.938 ng
RT: 28.856 min Scan# 4
Delta R.T. 0.018 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion:276 Resp: 5522835

Ion	Ratio	Lower	Upper
276	100		
138	18.3	13.7	20.5
277	20.8	20.2	30.2

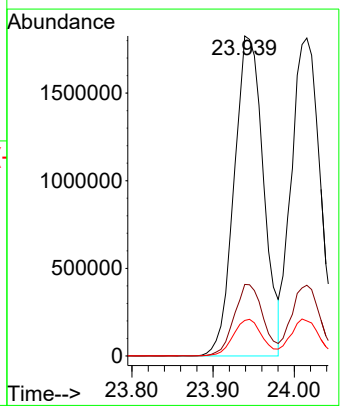


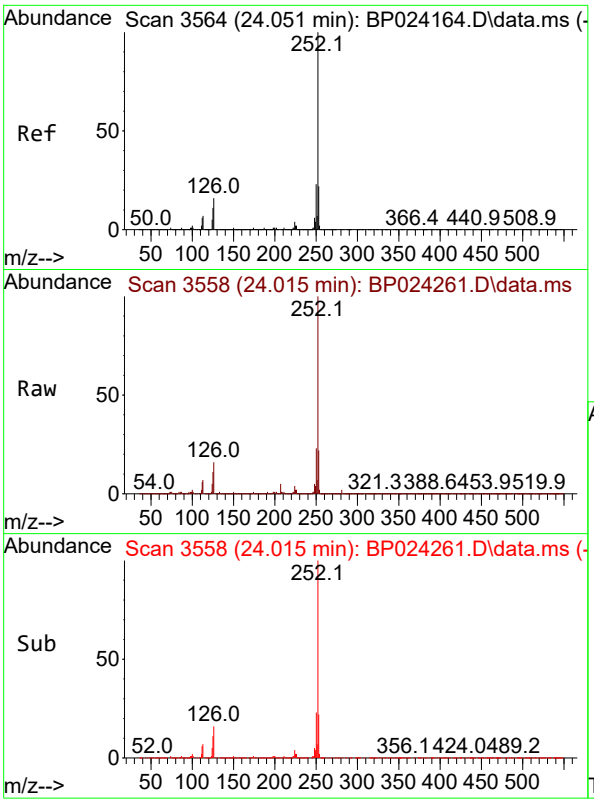


#88
Benzo(b)fluoranthene
Concen: 50.912 ng
RT: 23.939 min Scan# 3545
Delta R.T. 0.000 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion:252 Resp: 4588615

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	11.1	8.2	12.4



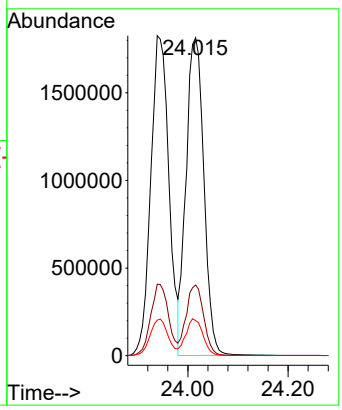


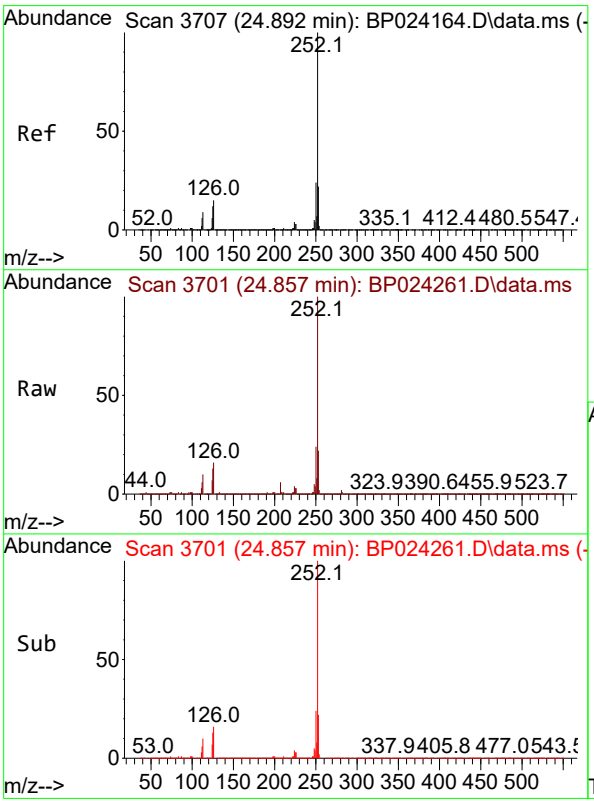
#89
Benzo(k)fluoranthene
Concen: 50.709 ng
RT: 24.015 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion:252 Resp: 4470670

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	11.0	9.1	13.7

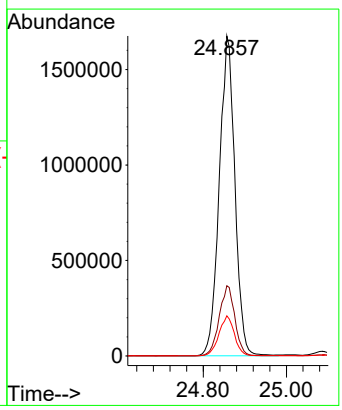


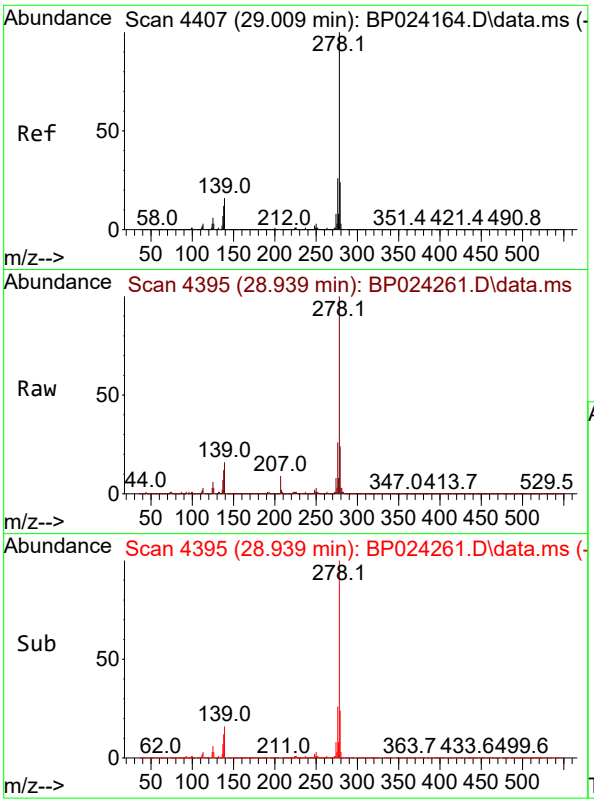


#90
Benzo(a)pyrene
Concen: 55.721 ng
RT: 24.857 min Scan# 3701
Delta R.T. 0.006 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion:252 Resp: 4367049

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0
125	12.6	9.6	14.4



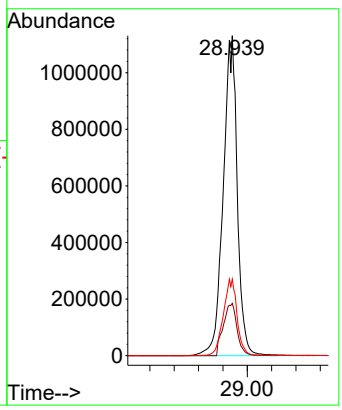


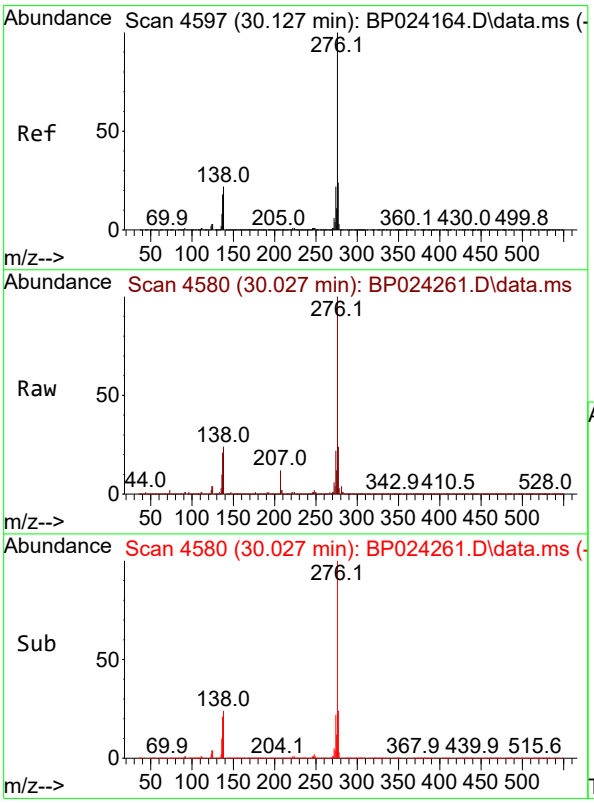
#91
Dibenzo(a,h)anthracene
Concen: 52.360 ng
RT: 28.939 min Scan# 4
Delta R.T. 0.018 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Instrument :
BNA_P
ClientSampleId :
PB167537BS

Tgt Ion:278 Resp: 4544623

Ion	Ratio	Lower	Upper
278	100		
139	16.4	13.0	19.4
279	23.9	18.8	28.2

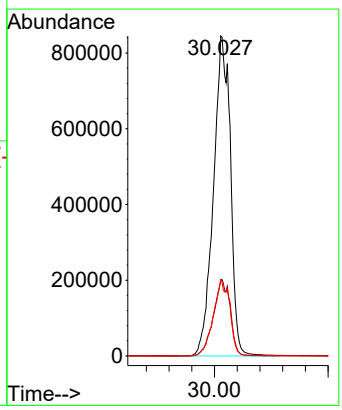




#92
Benzo(g,h,i)perylene
Concen: 49.606 ng
RT: 30.027 min Scan# 4580
Delta R.T. 0.018 min
Lab File: BP024261.D
Acq: 11 Apr 2025 11:04

Tgt Ion:276 Resp: 4376784

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.2	28.8
138	23.7	17.4	26.2



Raw Data: **BP024265.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/08/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/08/25
Client Sample ID:	IB-1.5-WCMS	SDG No.:	Q1744
Lab Sample ID:	Q1748-04MS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024265.D	1	04/09/25 13:25	04/11/25 14:19	PB167537

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	540		12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	430		5.30	50.0	ug/L
95-48-7	2-Methylphenol	550		11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	560		11.0	100	ug/L
67-72-1	Hexachloroethane	420		6.50	50.0	ug/L
98-95-3	Nitrobenzene	490		7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	430		5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	530		5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	570		6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	660		12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	490		5.20	50.0	ug/L
87-86-5	Pentachlorophenol	1100	E	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	160		15 (10) - 110 (139)	106%	SPK: 150
13127-88-3	Phenol-d6	150		15 (10) - 110 (134)	100%	SPK: 150
4165-60-0	Nitrobenzene-d5	108		30 (49) - 130 (133)	108%	SPK: 100
321-60-8	2-Fluorobiphenyl	95.4		30 (52) - 130 (132)	95%	SPK: 100
118-79-6	2,4,6-Tribromophenol	199	*	15 (44) - 110 (137)	133%	SPK: 150
1718-51-0	Terphenyl-d14	105		30 (48) - 130 (125)	105%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	199000	7.74			
1146-65-2	Naphthalene-d8	836000	10.51			
15067-26-2	Acenaphthene-d10	567000	14.386			
1517-22-2	Phenanthrene-d10	1260000	17.186			
1719-03-5	Chrysene-d12	1430000	21.645			
1520-96-3	Perylene-d12	871000	25.004			

Raw Data: **BP024265.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/08/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/08/25
Client Sample ID:	IB-1.5-WCMS	SDG No.:	Q1744
Lab Sample ID:	Q1748-04MS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024265.D	1	04/09/25 13:25	04/11/25 14:19	PB167537

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024265.D
Acq On : 11 Apr 2025 14:19
Operator : RC/JU
Sample : Q1748-04MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 11 14:59:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.740	152	198893	20.000	ng		0.00
21) Naphthalene-d8	10.510	136	835760	20.000	ng		-0.02
39) Acenaphthene-d10	14.386	164	566625	20.000	ng		0.00
64) Phenanthrene-d10	17.186	188	1260548	20.000	ng		0.00
76) Chrysene-d12	21.645	240	1426665	20.000	ng		0.00
86) Perylene-d12	25.004	264	871094	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.352	112	1988756	159.614	ng		0.00
7) Phenol-d6	6.922	99	2499529	150.014	ng		0.00
23) Nitrobenzene-d5	8.887	82	1605956	108.416	ng		0.00
42) 2,4,6-Tribromophenol	15.904	330	1423364	199.424	ng		0.00
45) 2-Fluorobiphenyl	12.992	172	3666524	95.414	ng		0.00
79) Terphenyl-d14	19.916	244	7270183	105.191	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.305	88	197424	39.973	ng	#	78
3) Pyridine	3.699	79	726093	53.777	ng		97
4) n-Nitrosodimethylamine	3.599	42	207047	45.906	ng		99
6) Aniline	7.075	93	278787	18.365	ng		98
8) 2-Chlorophenol	7.310	128	678421	50.409	ng		99
9) Benzaldehyde	6.887	77	155372	19.323	ng		97
10) Phenol	6.946	94	813258	48.350	ng		99
11) bis(2-Chloroethyl)ether	7.163	93	614434	46.322	ng		96
12) 1,3-Dichlorobenzene	7.628	146	618603	42.623	ng		99
13) 1,4-Dichlorobenzene	7.775	146	634304	42.805	ng		99
14) 1,2-Dichlorobenzene	8.087	146	623687	43.859	ng		99
15) Benzyl Alcohol	7.975	79	420731	39.885	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.257	45	665859	49.184	ng		97
17) 2-Methylphenol	8.181	107	585018	55.464	ng		99
18) Hexachloroethane	8.804	117	222640	42.349	ng		98
19) n-Nitroso-di-n-propyla...	8.534	70	488650	50.552	ng		99
20) 3+4-Methylphenols	8.504	107	814153	56.184	ng		99
22) Acetophenone	8.552	105	988977	46.805	ng	#	99
24) Nitrobenzene	8.928	77	717881	49.127	ng		99
25) Isophorone	9.446	82	1421417	55.979	ng		99
26) 2-Nitrophenol	9.634	139	360276	51.615	ng		99
27) 2,4-Dimethylphenol	9.698	122	680718	75.842	ng		98
28) bis(2-Chloroethoxy)met...	9.928	93	797057	44.620	ng		99
29) 2,4-Dichlorophenol	10.169	162	663319	54.631	ng		100
30) 1,2,4-Trichlorobenzene	10.381	180	596034	44.431	ng		99
31) Naphthalene	10.563	128	2020428	45.605	ng		100
32) Benzoic acid	9.834	122	518295m	59.210	ng		
33) 4-Chloroaniline	10.681	127	137875	8.696	ng		99
34) Hexachlorobutadiene	10.851	225	329257	42.648	ng		99
35) Caprolactam	11.463	113	254562	63.971	ng		97
36) 4-Chloro-3-methylphenol	11.810	107	812838	62.057	ng		99
37) 2-Methylnaphthalene	12.175	142	1336378	44.651	ng		99
38) 1-Methylnaphthalene	12.404	142	1421267	48.823	ng		99
40) 1,2,4,5-Tetrachloroben...	12.551	216	701326	42.817	ng		99
41) Hexachlorocyclopentadiene	12.528	237	910279	154.174	ng		98
43) 2,4,6-Trichlorophenol	12.798	196	547883	52.633	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024265.D
Acq On : 11 Apr 2025 14:19
Operator : RC/JU
Sample : Q1748-04MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 11 14:59:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.875	196	649678	56.911	ng	99
46) 1,1'-Biphenyl	13.198	154	1965684	46.165	ng	99
47) 2-Chloronaphthalene	13.239	162	1517908	47.395	ng	99
48) 2-Nitroaniline	13.451	65	482628	58.918	ng	96
49) Acenaphthylene	14.098	152	2623879	54.145	ng	100
50) Dimethylphthalate	13.834	163	2173322	54.816	ng	100
51) 2,6-Dinitrotoluene	13.963	165	486052	58.265	ng	98
52) Acenaphthene	14.451	154	1539419	49.719	ng	99
53) 3-Nitroaniline	14.298	138	153208	17.004	ng	99
54) 2,4-Dinitrophenol	14.498	184	656992	148.841	ng	94
55) Dibenzofuran	14.786	168	2463534	49.120	ng	98
56) 4-Nitrophenol	14.622	139	1037606	137.823	ng	96
57) 2,4-Dinitrotoluene	14.751	165	723204	65.632	ng	97
58) Fluorene	15.445	166	2083618	53.321	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.028	232	584528	57.955	ng	98
60) Diethylphthalate	15.222	149	2253741	57.082	ng	99
61) 4-Chlorophenyl-phenyle...	15.457	204	979569	51.110	ng	97
62) 4-Nitroaniline	15.475	138	396219	41.929	ng	99
63) Azobenzene	15.751	77	1987173	53.399	ng	98
65) 4,6-Dinitro-2-methylph...	15.528	198	418302	55.897	ng	95
66) n-Nitrosodiphenylamine	15.669	169	943117	24.638	ng	100
67) 4-Bromophenyl-phenylether	16.363	248	659062	47.621	ng	98
68) Hexachlorobenzene	16.480	284	807518	49.297	ng	99
69) Atrazine	16.645	200	215386	23.312	ng	99
70) Pentachlorophenol	16.833	266	1215004	114.697	ng	99
71) Phenanthrene	17.239	178	3497744	50.793	ng	99
72) Anthracene	17.333	178	3514990	52.408	ng	100
73) Carbazole	17.610	167	1426762	22.059	ng	100
74) Di-n-butylphthalate	18.210	149	4206804	54.788	ng	100
75) Fluoranthene	19.327	202	4297131	53.879	ng	99
77) Benzidine	19.539	184	9013m	0.578	ng	
78) Pyrene	19.704	202	4378542	49.366	ng	99
80) Butylbenzylphthalate	20.645	149	2050522	56.062	ng	98
81) Benzo(a)anthracene	21.621	228	4632255	52.224	ng	100
82) 3,3'-Dichlorobenzidine	21.539	252	53712	1.807	ng	98
83) Chrysene	21.692	228	4265411	50.023	ng	99
84) Bis(2-ethylhexyl)phtha...	21.557	149	2941938	53.306	ng	100
85) Di-n-octyl phthalate	22.833	149	4973283	56.242	ng	100
87) Indeno(1,2,3-cd)pyrene	28.815	276	5522504	90.837	ng	99
88) Benzo(b)fluoranthene	23.927	252	4834705	92.052	ng	98
89) Benzo(k)fluoranthene	24.015	252	4709378	91.665	ng	100
90) Benzo(a)pyrene	24.851	252	4188367	91.707	ng	99
91) Dibenzo(a,h)anthracene	28.909	278	4800304	94.907	ng	99
92) Benzo(g,h,i)perylene	30.009	276	4314856	83.921	ng	100

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

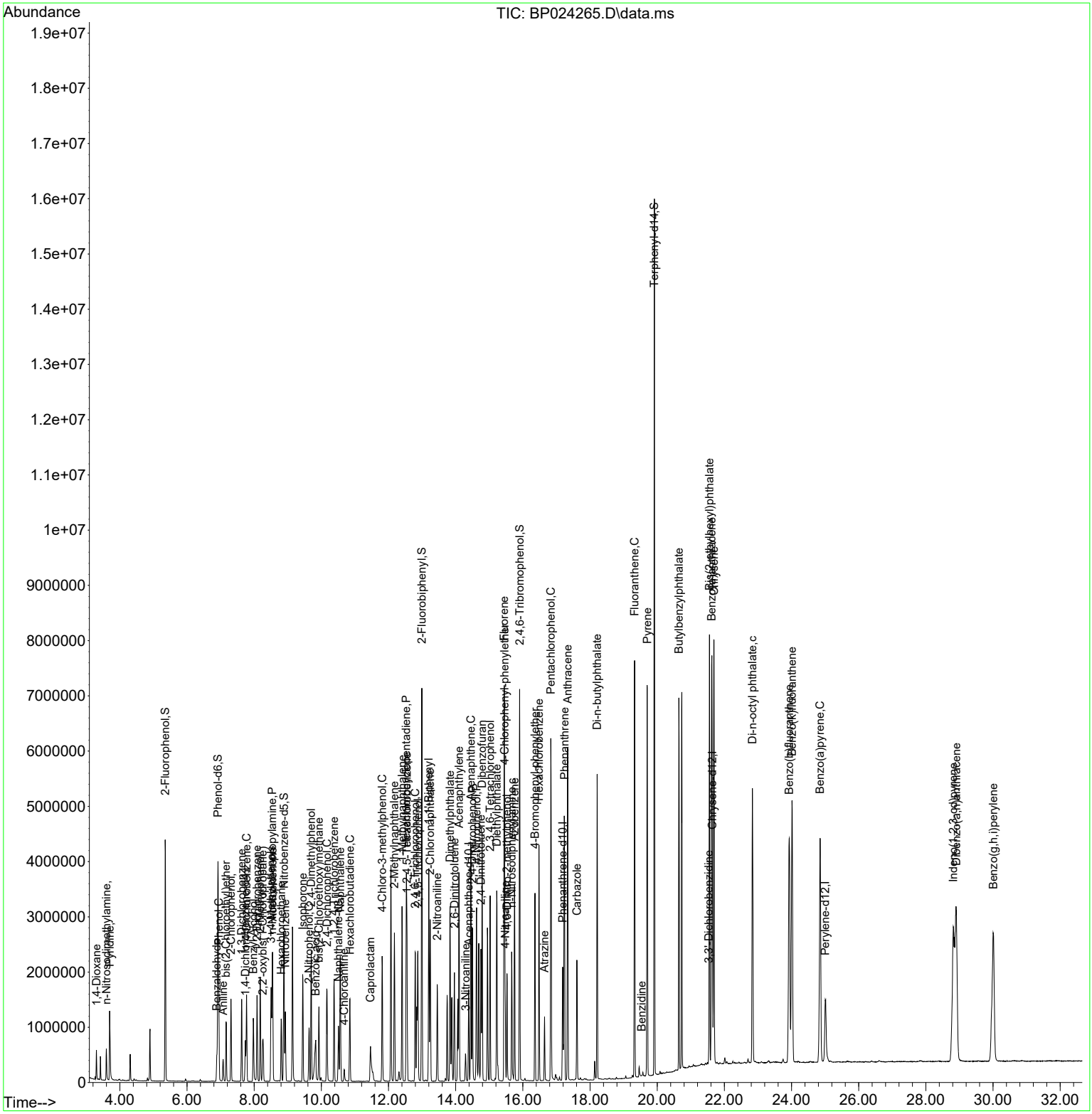
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Operator : RC/JU
Sample : Q1748-04MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

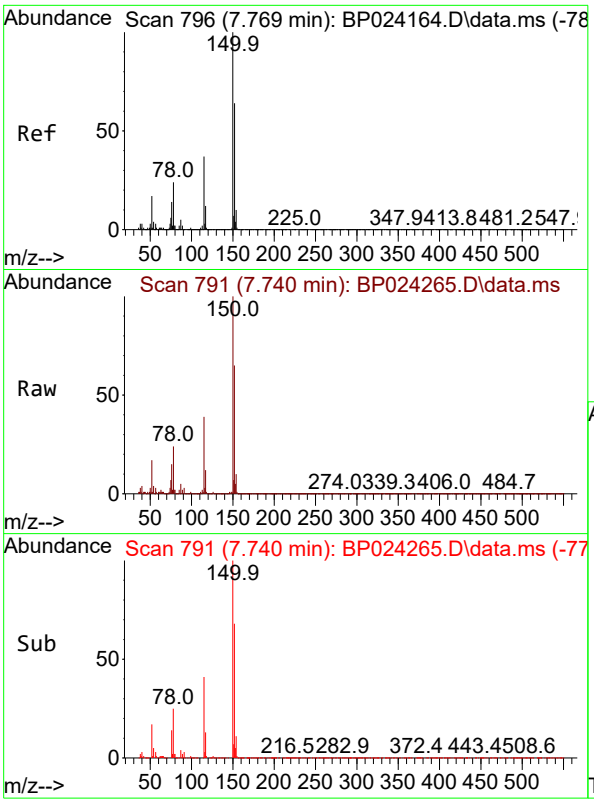
Quant Time: Apr 11 14:59:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

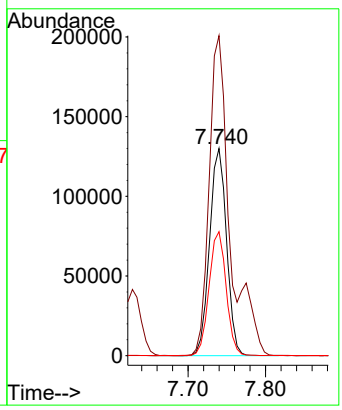




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:152 Resp: 19889

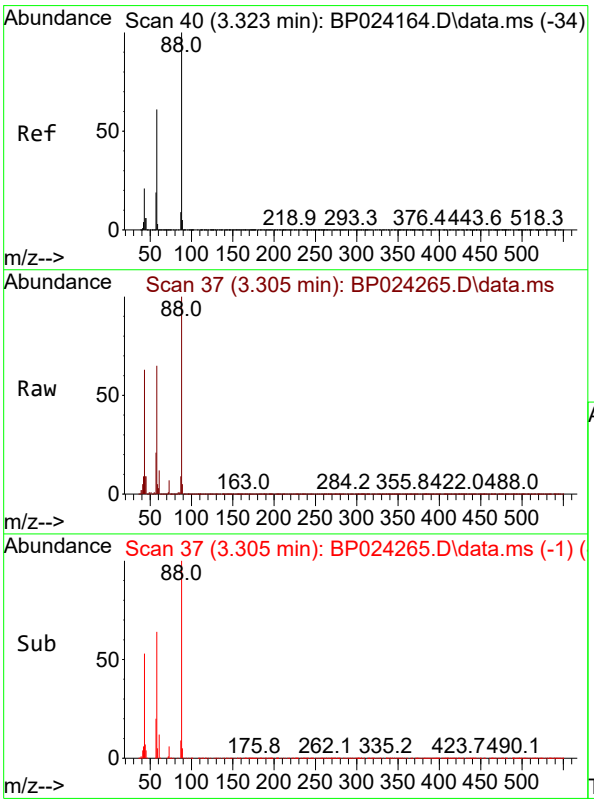
Ion	Ratio	Lower	Upper
152	100		
150	154.5	125.5	188.3
115	59.8	46.3	69.5



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

Manual Integrations
APPROVED

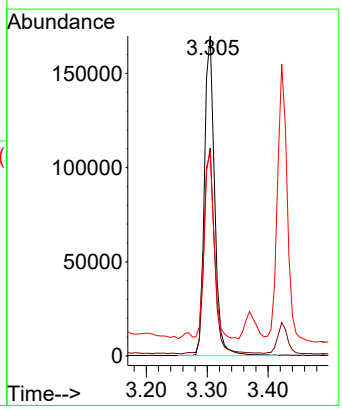
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

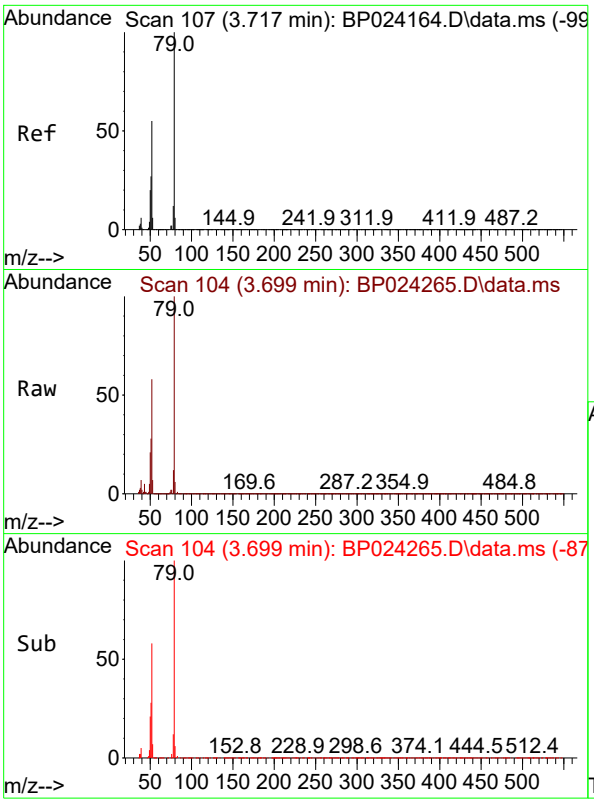


#2
1,4-Dioxane
Concen: 39.973 ng
RT: 3.305 min Scan# 37
Delta R.T. 0.000 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion: 88 Resp: 197424

Ion	Ratio	Lower	Upper
88	100		
58	65.7	49.8	74.6
43	56.5	17.3	25.9#

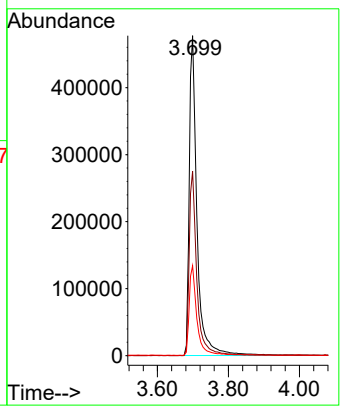




#3
Pyridine
Concen: 53.777 ng
RT: 3.699 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion: 79 Resp: 72609

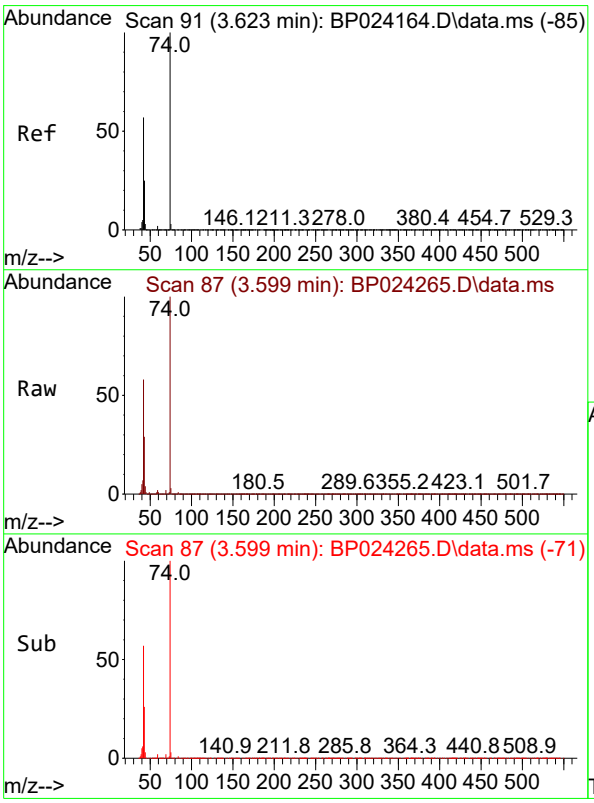
Ion	Ratio	Lower	Upper
79	100		
52	57.6	43.8	65.8
51	28.1	21.6	32.4



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

Manual Integrations
APPROVED

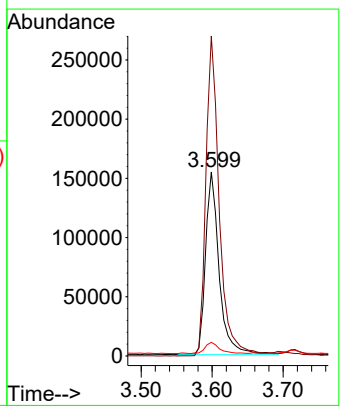
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

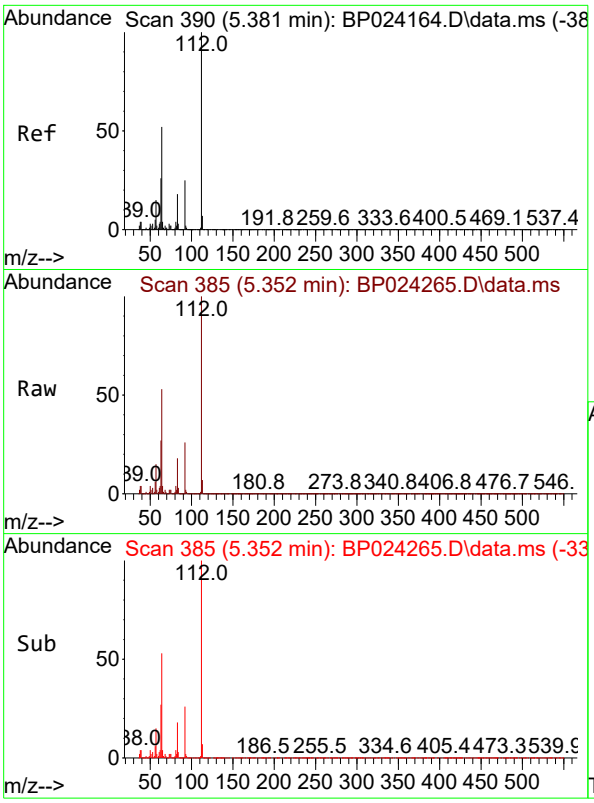


#4
n-Nitrosodimethylamine
Concen: 45.906 ng
RT: 3.599 min Scan# 87
Delta R.T. -0.006 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion: 42 Resp: 207047

Ion	Ratio	Lower	Upper
42	100		
74	173.9	139.8	209.6
44	7.4	5.3	7.9

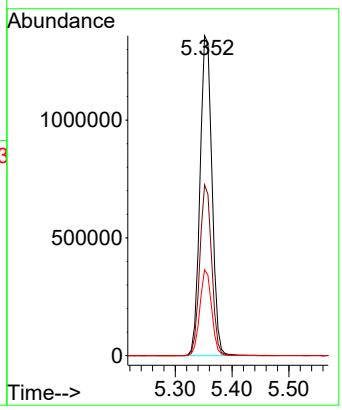




#5
2-Fluorophenol
Concen: 159.614 ng
RT: 5.352 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:112 Resp: 198875

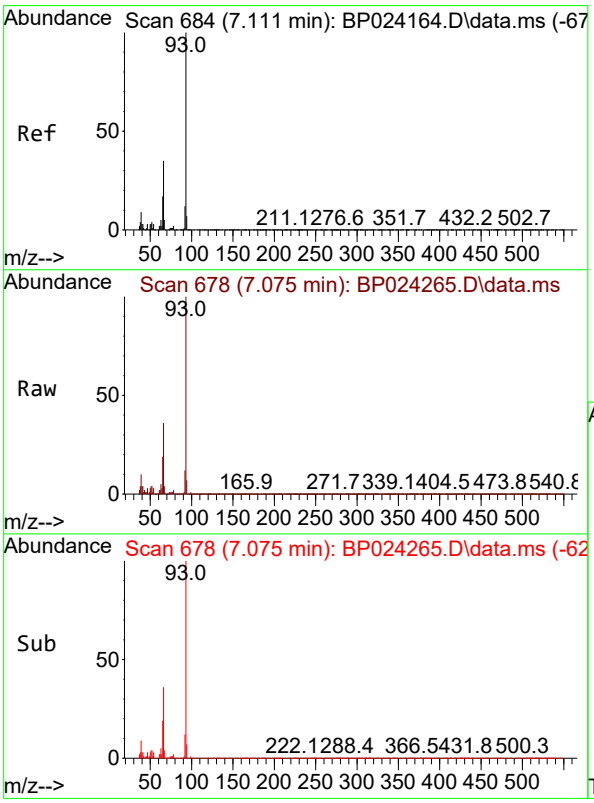
Ion	Ratio	Lower	Upper
112	100		
64	53.4	41.3	61.9
63	26.9	20.6	31.0



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

Manual Integrations
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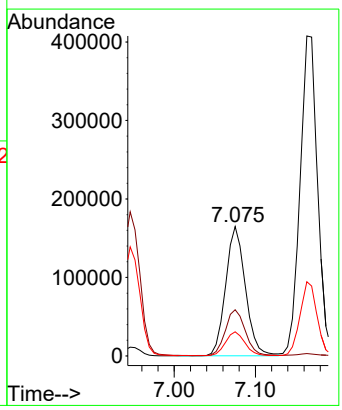
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

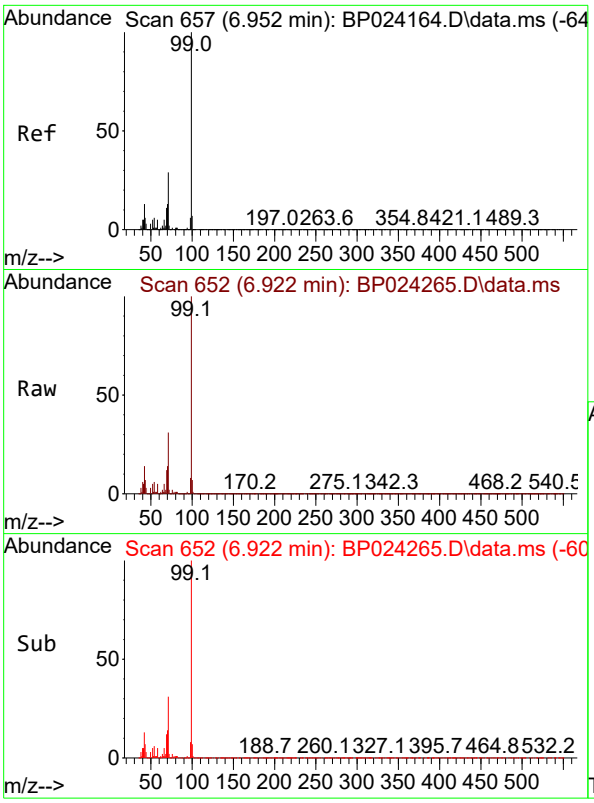


#6
Aniline
Concen: 18.365 ng
RT: 7.075 min Scan# 678
Delta R.T. -0.006 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion: 93 Resp: 278787

Ion	Ratio	Lower	Upper
93	100		
66	35.7	28.2	42.2
65	18.7	14.0	21.0





#7
Phenol-d6
Concen: 150.014 ng
RT: 6.922 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

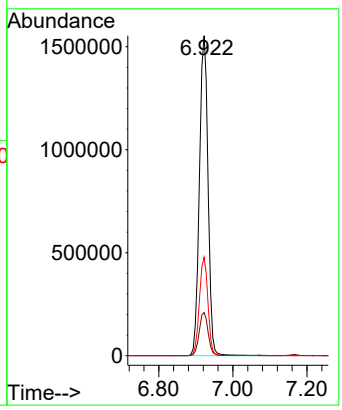
Tgt Ion: 99 Resp: 249952

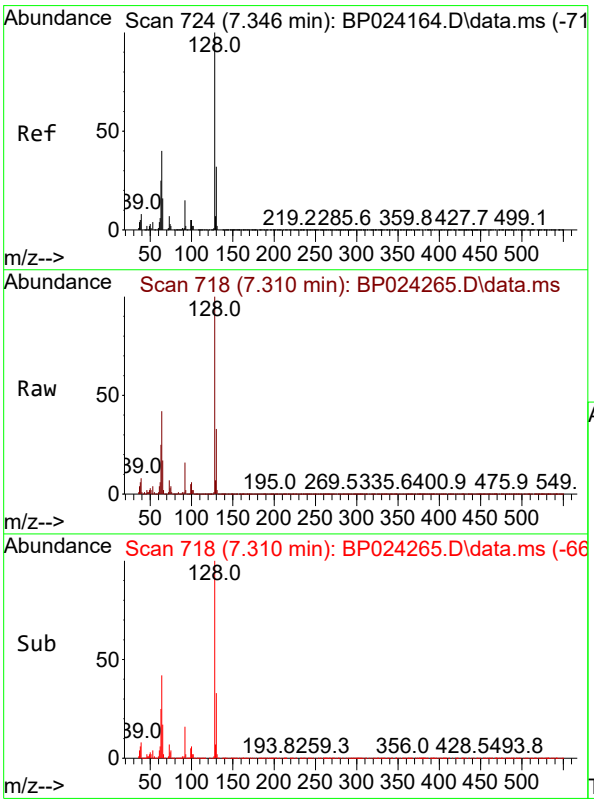
Ion	Ratio	Lower	Upper
99	100		
42	13.5	10.6	16.0
71	30.8	23.3	34.9

Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

Manual Integrations
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Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

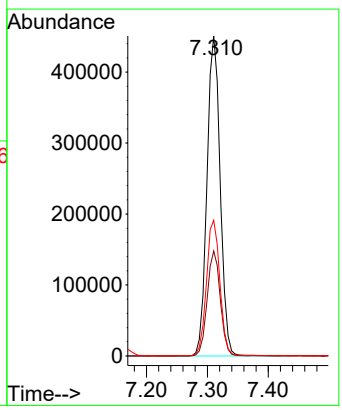


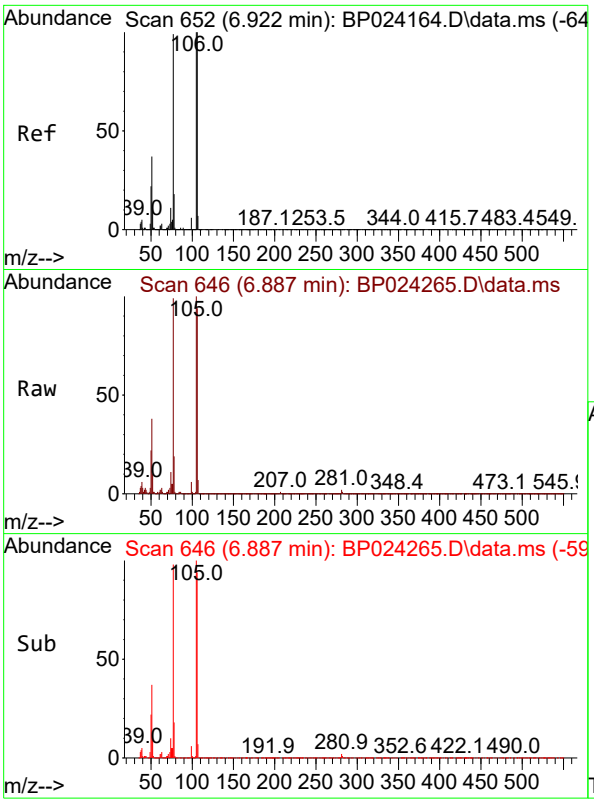


#8
2-Chlorophenol
Concen: 50.409 ng
RT: 7.310 min Scan# 718
Delta R.T. -0.006 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:128 Resp: 678421

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.0	52.0
64	42.4	21.6	61.6

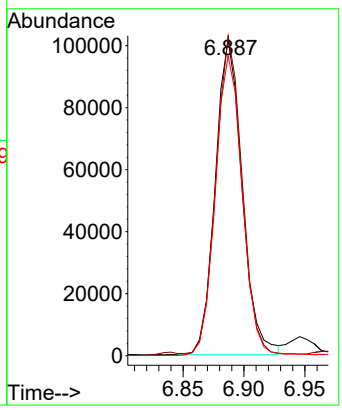




#9
Benzaldehyde
Concen: 19.323 ng
RT: 6.887 min Scan# 64
Delta R.T. -0.012 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion: 77 Resp: 15537

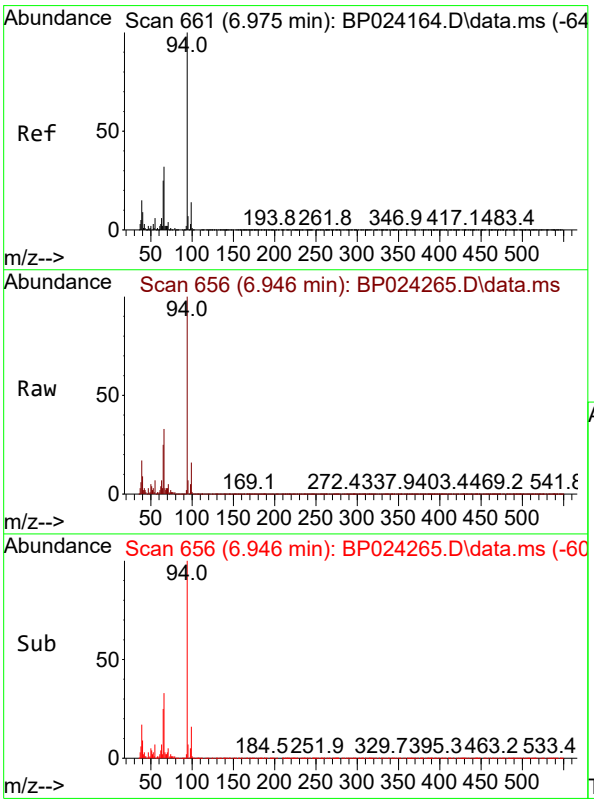
Ion	Ratio	Lower	Upper
77	100		
105	101.4	81.4	121.4
106	95.0	81.1	121.1



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

Manual Integrations
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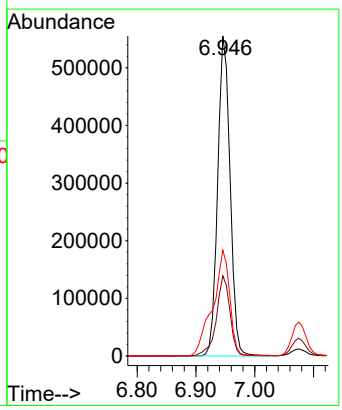
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

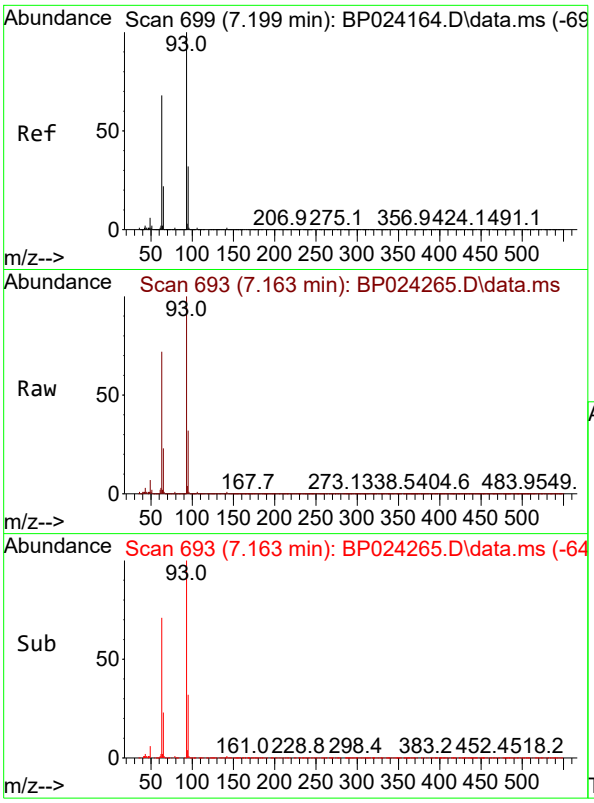


#10
Phenol
Concen: 48.350 ng
RT: 6.946 min Scan# 656
Delta R.T. -0.012 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion: 94 Resp: 813258

Ion	Ratio	Lower	Upper
94	100		
65	25.0	4.9	44.9
66	33.1	11.9	51.9

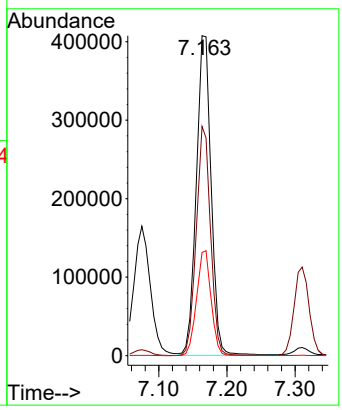




#11
bis(2-Chloroethyl)ether
Concen: 46.322 ng
RT: 7.163 min Scan# 6
Delta R.T. -0.012 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion: 93 Resp: 61443

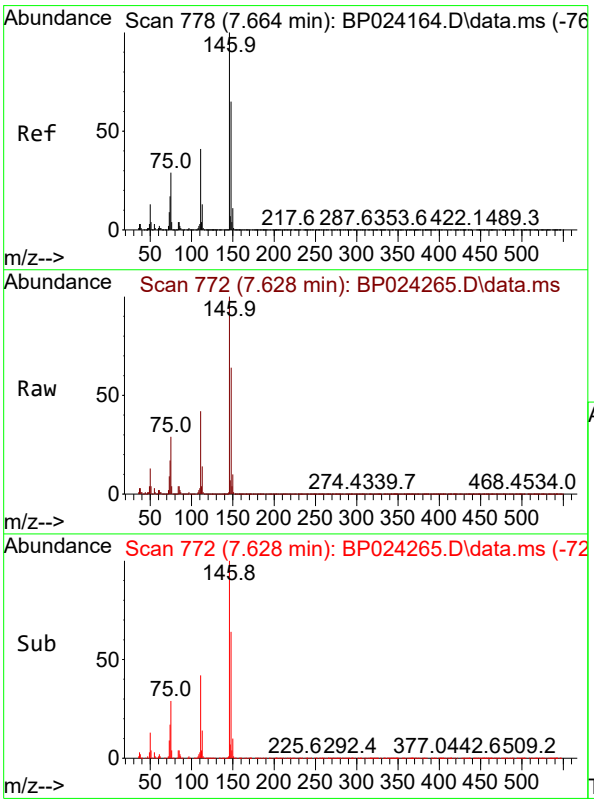
Ion	Ratio	Lower	Upper
93	100		
63	71.6	47.4	87.4
95	32.2	12.1	52.1



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

Manual Integrations
APPROVED

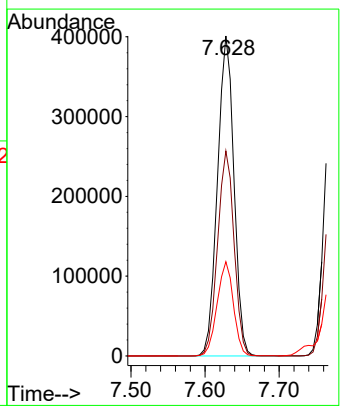
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

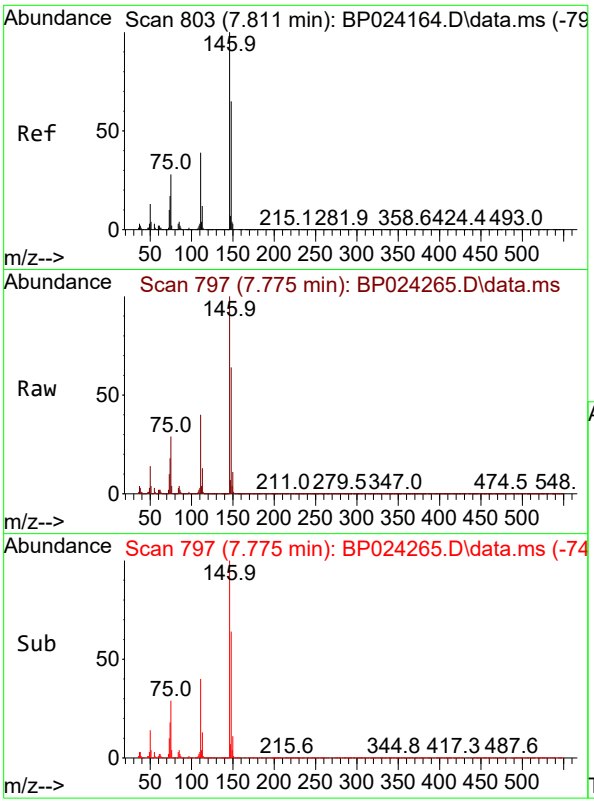


#12
1,3-Dichlorobenzene
Concen: 42.623 ng
RT: 7.628 min Scan# 772
Delta R.T. -0.006 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:146 Resp: 618603

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.6	77.4
75	29.5	22.8	34.2

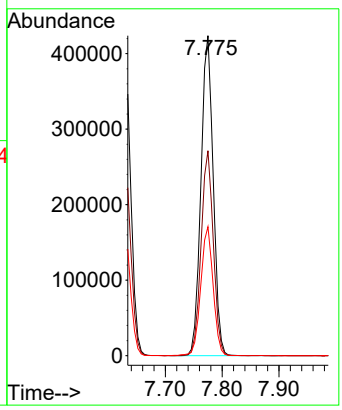




#13
1,4-Dichlorobenzene
Concen: 42.805 ng
RT: 7.775 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:146 Resp: 63430

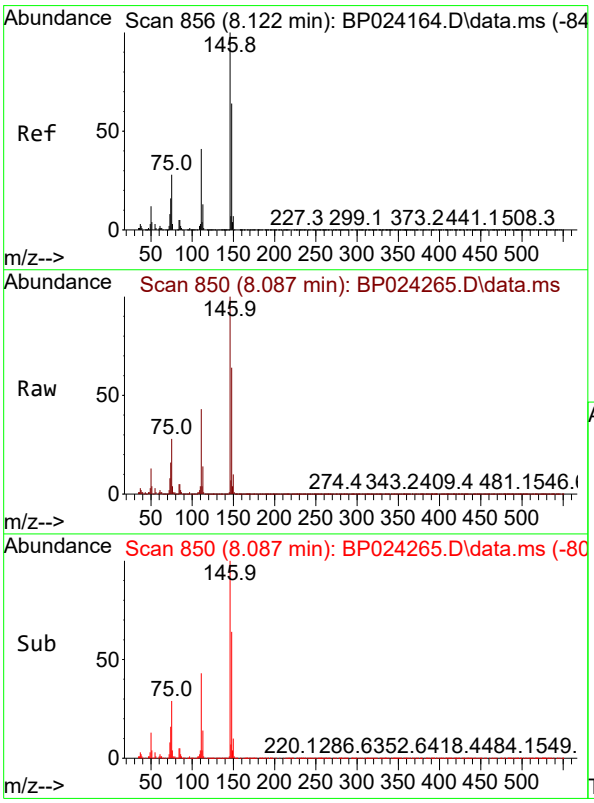
Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.9	77.9
111	40.3	31.4	47.2



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

Manual Integrations
APPROVED

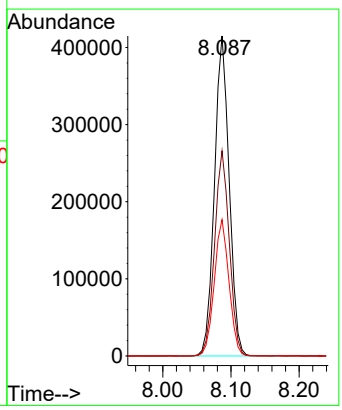
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

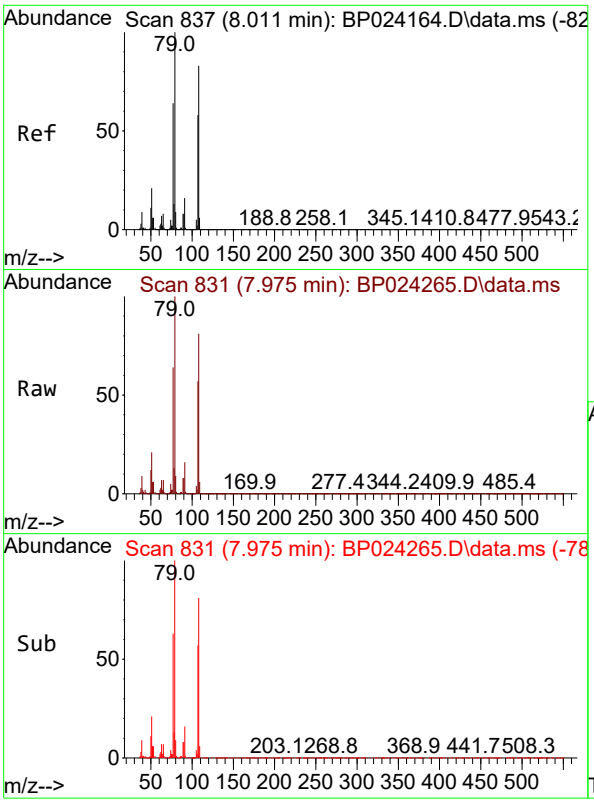


#14
1,2-Dichlorobenzene
Concen: 43.859 ng
RT: 8.087 min Scan# 850
Delta R.T. -0.012 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:146 Resp: 623687

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.4	77.2
111	42.6	33.2	49.8

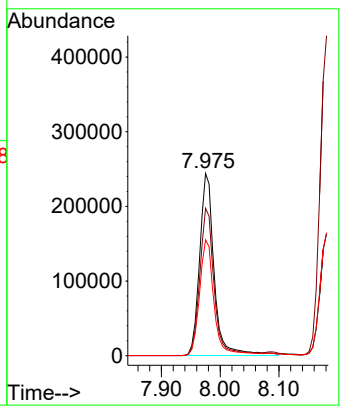




#15
Benzyl Alcohol
Concen: 39.885 ng
RT: 7.975 min Scan# 8
Delta R.T. -0.012 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion: 79 Resp: 42073

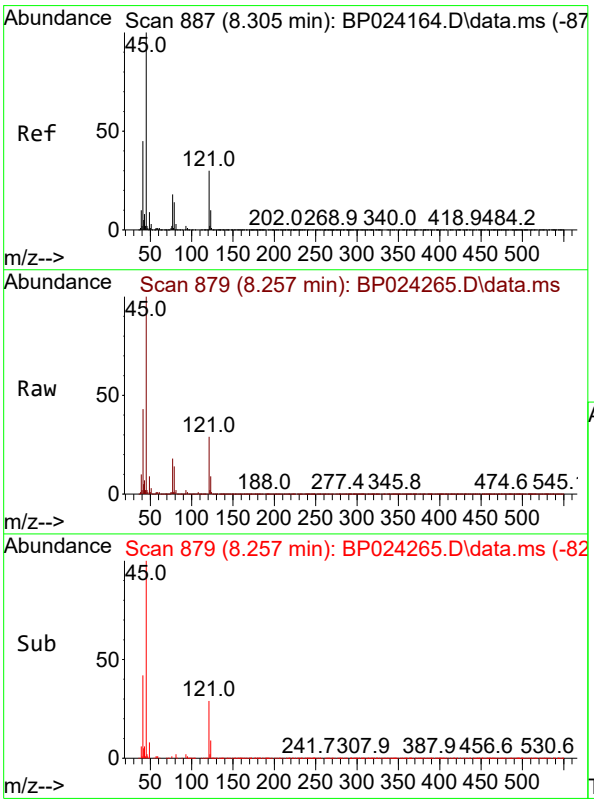
Ion	Ratio	Lower	Upper
79	100		
108	80.9	66.5	99.7
77	63.6	50.9	76.3



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

Manual Integrations
APPROVED

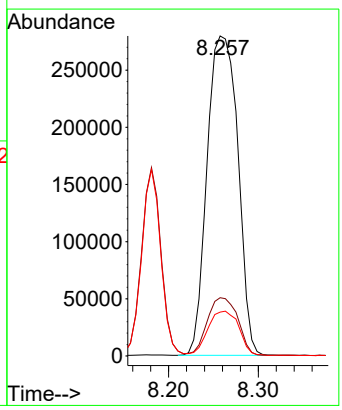
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

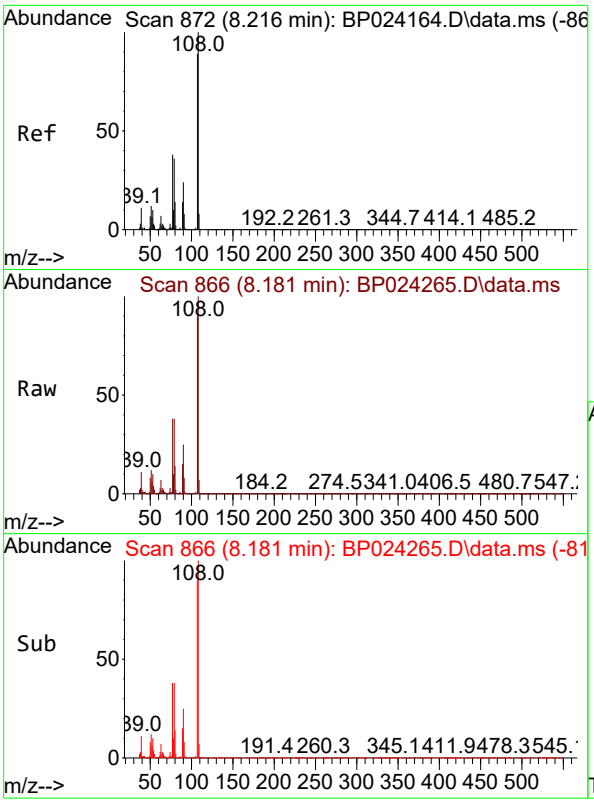


#16
2,2'-oxybis(1-Chloropropane)
Concen: 49.184 ng
RT: 8.257 min Scan# 879
Delta R.T. -0.006 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion: 45 Resp: 665859

Ion	Ratio	Lower	Upper
45	100		
77	18.2	0.0	39.0
79	13.7	0.0	35.6

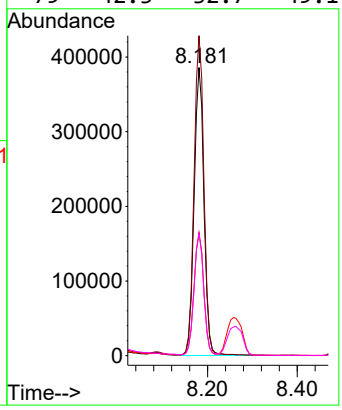




#17
2-Methylphenol
Concen: 55.464 ng
RT: 8.181 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:107 Resp: 585018

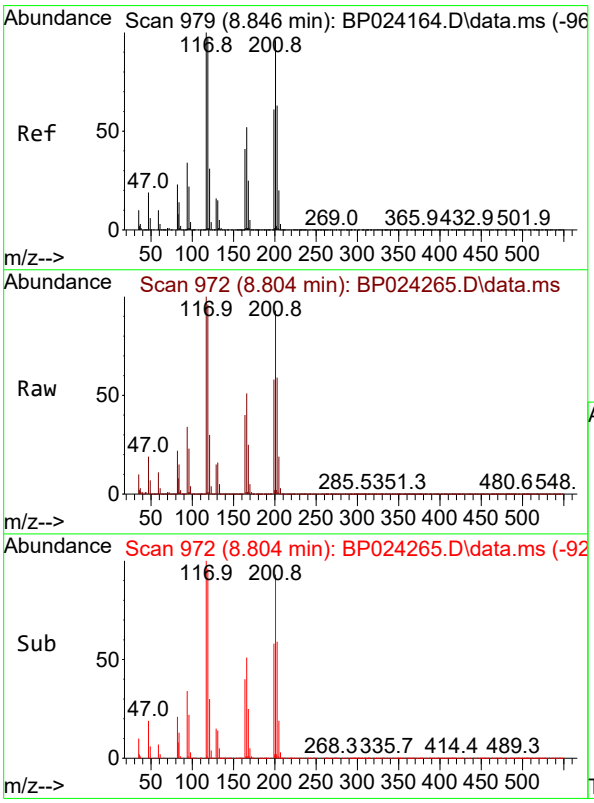
Ion	Ratio	Lower	Upper
107	100		
108	111.1	90.0	135.0
77	42.7	34.0	51.0
79	42.3	32.7	49.1



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

Manual Integrations
APPROVED

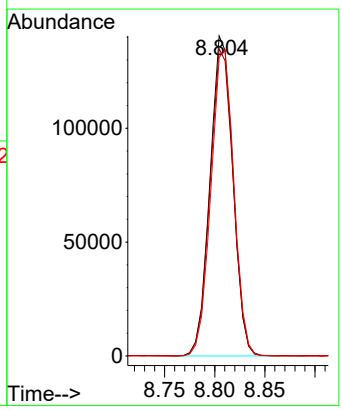
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

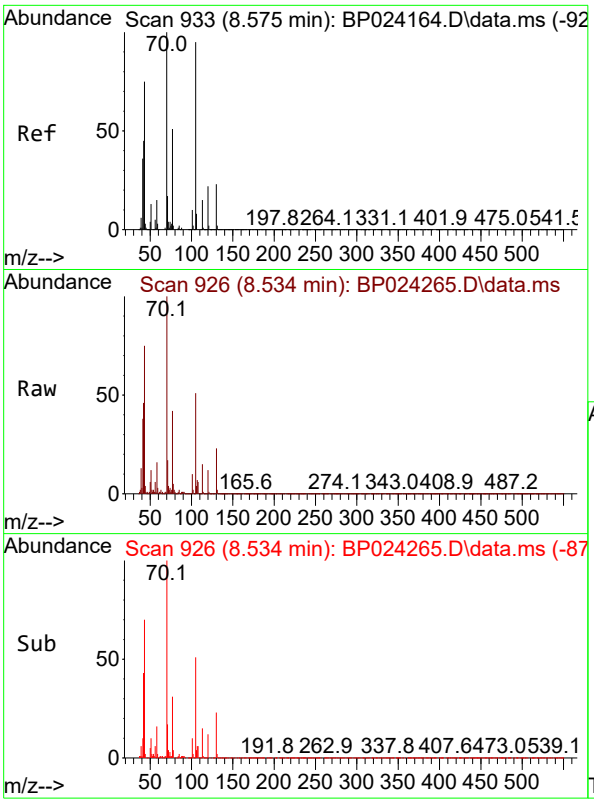


#18
Hexachloroethane
Concen: 42.349 ng
RT: 8.804 min Scan# 972
Delta R.T. -0.018 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:117 Resp: 222640

Ion	Ratio	Lower	Upper
117	100		
119	96.0	77.4	116.0
201	93.3	76.6	114.8

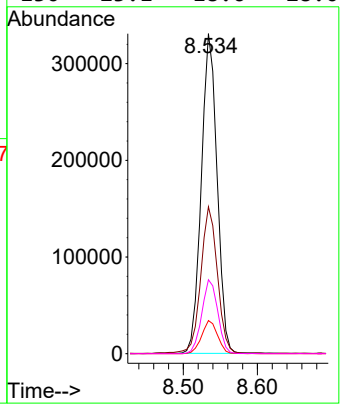




#19
n-Nitroso-di-n-propylamine
Concen: 50.552 ng
RT: 8.534 min Scan# 9
Delta R.T. -0.012 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion: 70 Resp: 48865

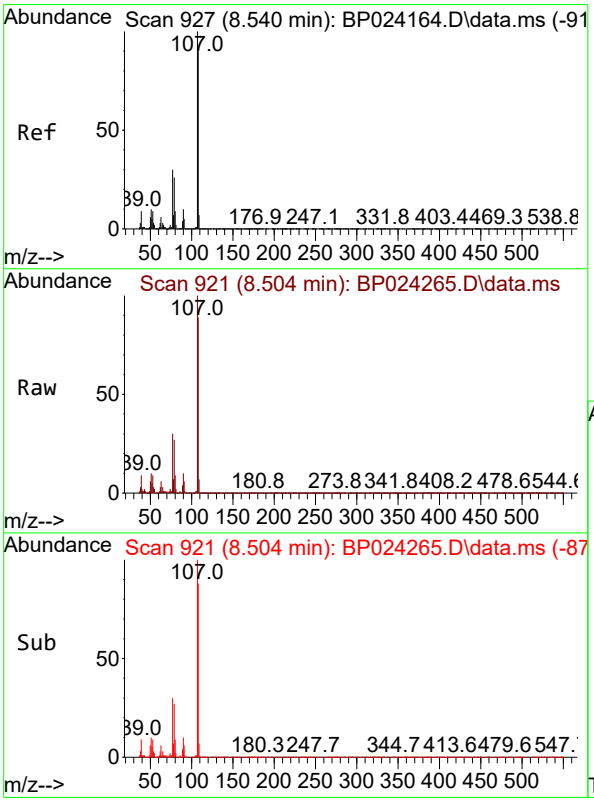
Ion	Ratio	Lower	Upper
70	100		
42	45.9	36.0	54.0
101	10.3	8.3	12.5
130	23.1	18.6	28.0



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

Manual Integrations
APPROVED

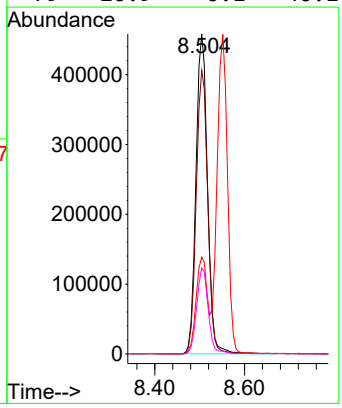
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

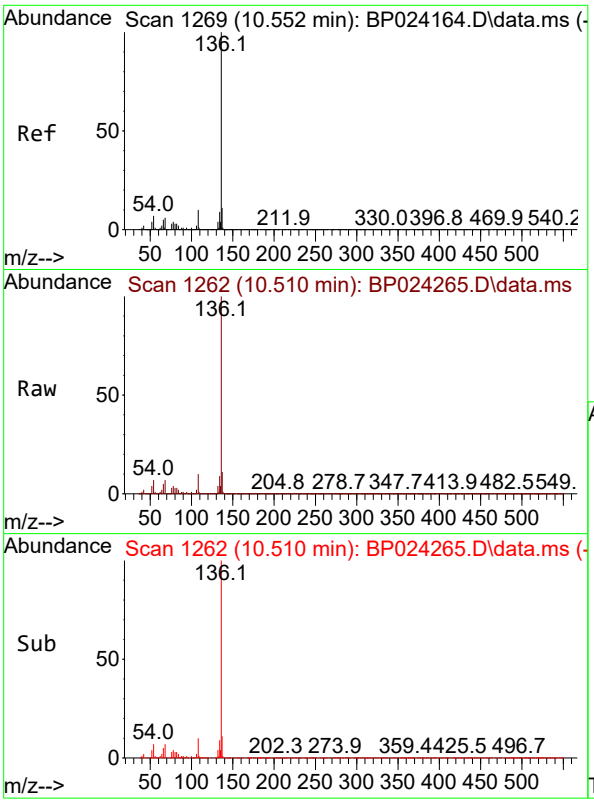


#20
3+4-Methylphenols
Concen: 56.184 ng
RT: 8.504 min Scan# 921
Delta R.T. -0.012 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:107 Resp: 814153

Ion	Ratio	Lower	Upper
107	100		
108	88.6	69.7	109.7
77	30.3	10.3	50.3
79	26.9	6.1	46.1

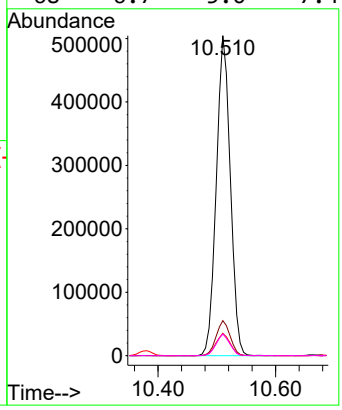




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.510 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:136 Resp: 83576

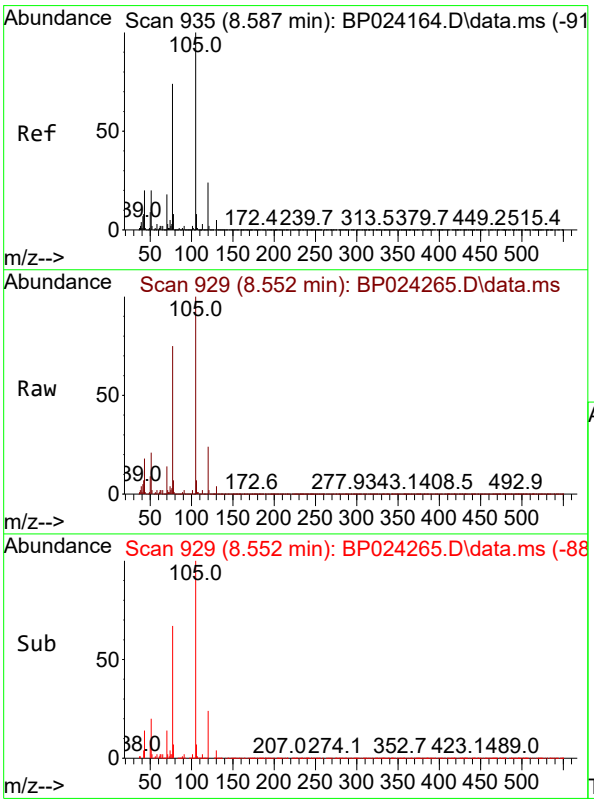
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	7.0	5.3	7.9
68	6.7	5.0	7.4



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

Manual Integrations
APPROVED

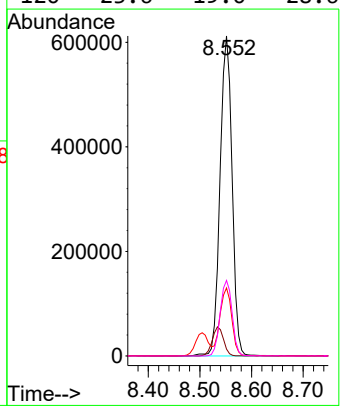
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

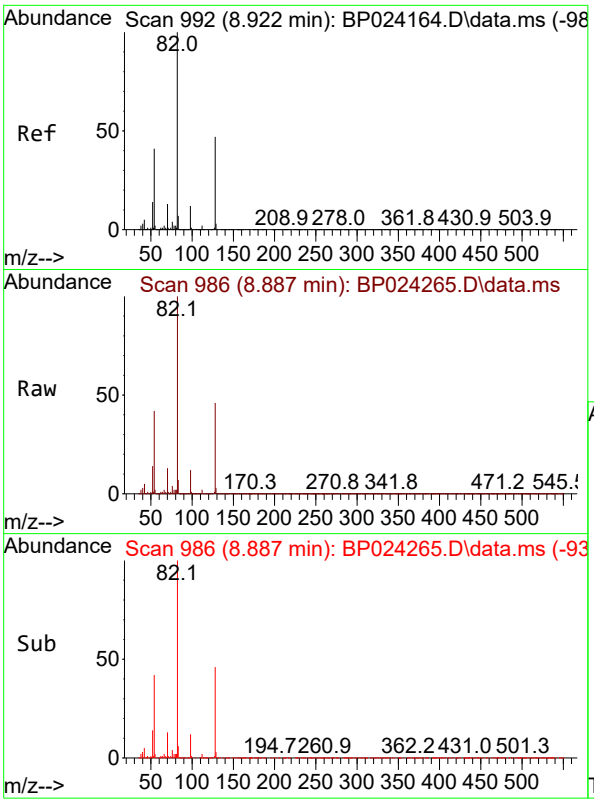


#22
Acetophenone
Concen: 46.805 ng
RT: 8.552 min Scan# 929
Delta R.T. -0.012 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:105 Resp: 988977

Ion	Ratio	Lower	Upper
105	100		
71	2.2	2.4	3.6#
51	21.3	16.2	24.2
120	23.6	19.0	28.6

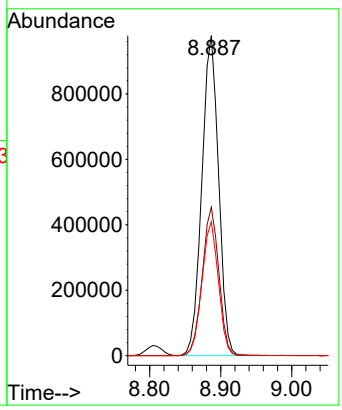




#23
Nitrobenzene-d5
Concen: 108.416 ng
RT: 8.887 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion: 82 Resp: 160595

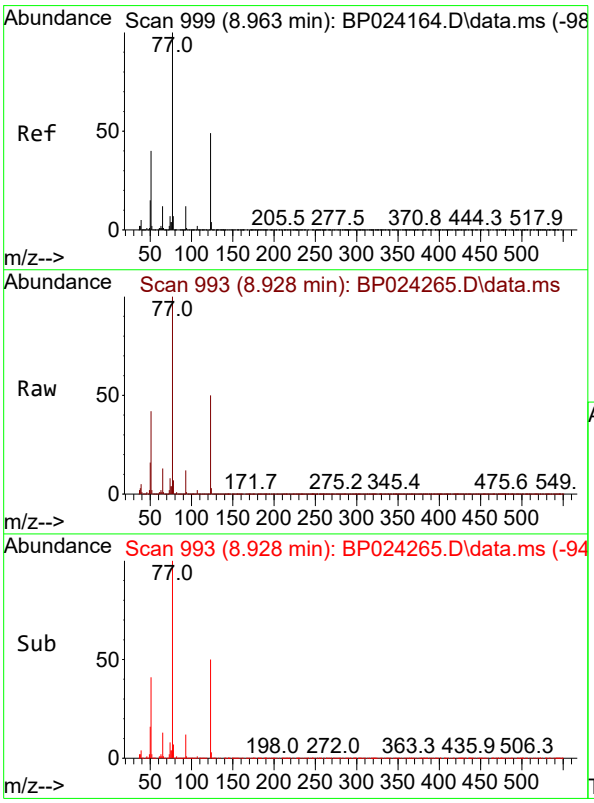
Ion	Ratio	Lower	Upper
82	100		
128	46.4	37.4	56.0
54	41.8	32.5	48.7



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

Manual Integrations
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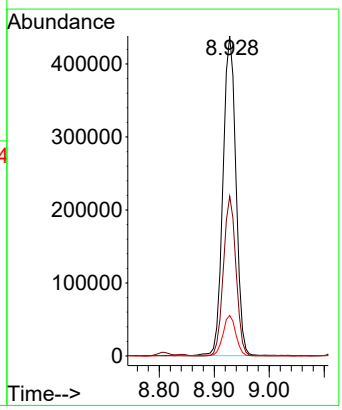
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

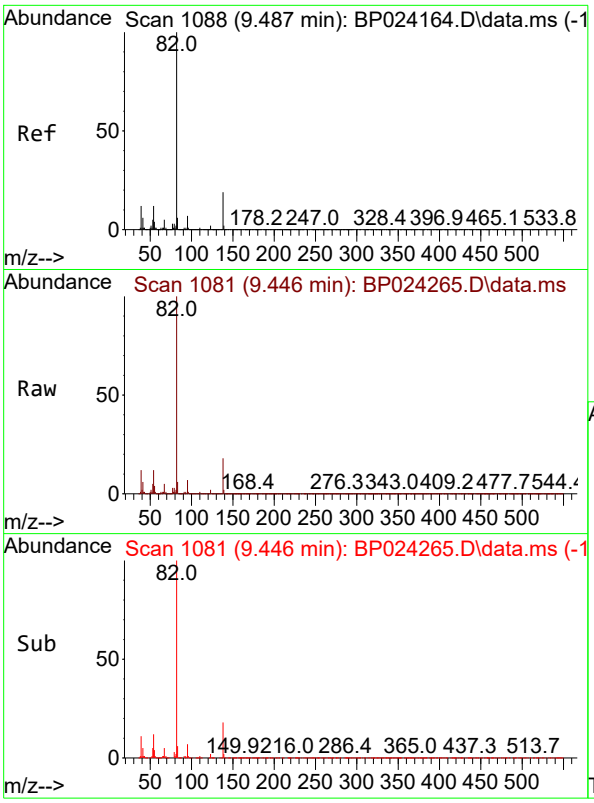


#24
Nitrobenzene
Concen: 49.127 ng
RT: 8.928 min Scan# 993
Delta R.T. -0.006 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion: 77 Resp: 717881

Ion	Ratio	Lower	Upper
77	100		
123	49.9	39.4	59.2
65	12.6	9.9	14.9

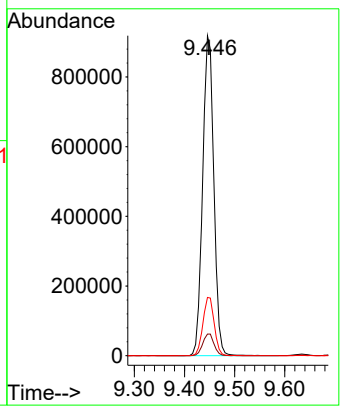




#25
Isophorone
Concen: 55.979 ng
RT: 9.446 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion: 82 Resp: 142141

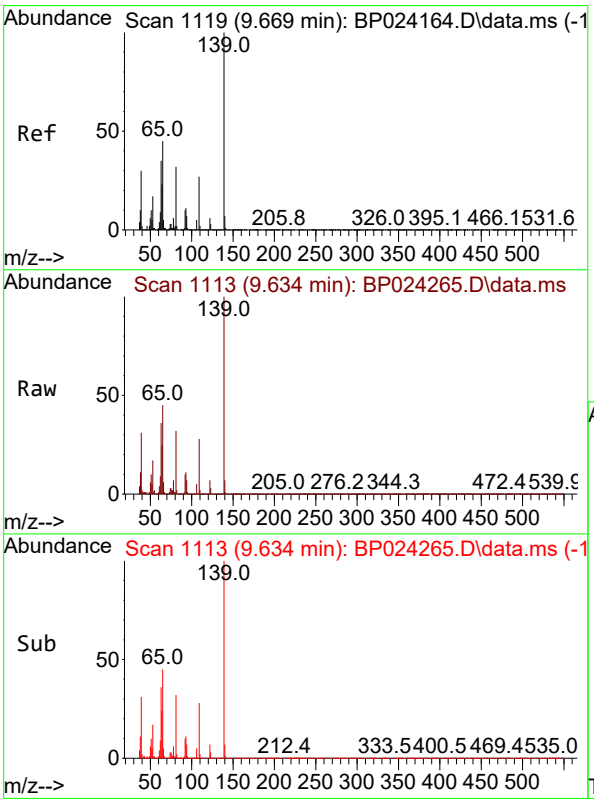
Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.3	7.9
138	18.2	14.8	22.2



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

Manual Integrations
APPROVED

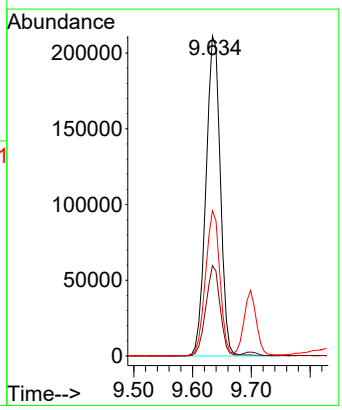
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

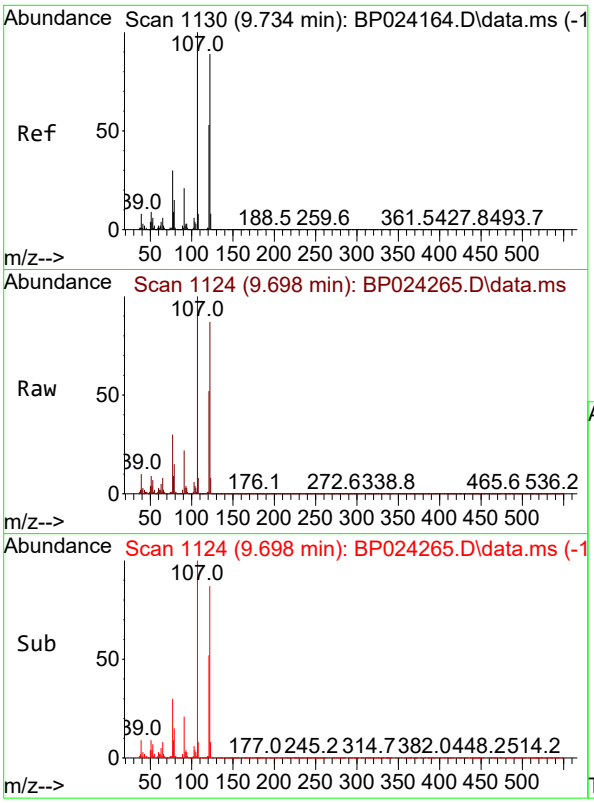


#26
2-Nitrophenol
Concen: 51.615 ng
RT: 9.634 min Scan# 1113
Delta R.T. -0.012 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:139 Resp: 360276

Ion	Ratio	Lower	Upper
139	100		
109	28.3	21.7	32.5
65	45.4	35.8	53.8

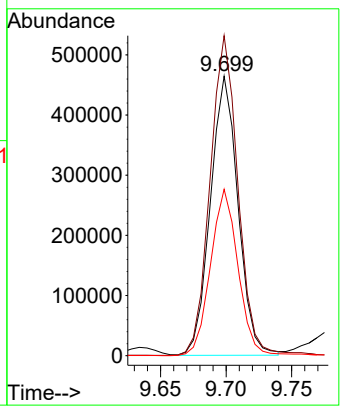




#27
2,4-Dimethylphenol
Concen: 75.842 ng
RT: 9.698 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:122 Resp: 68071

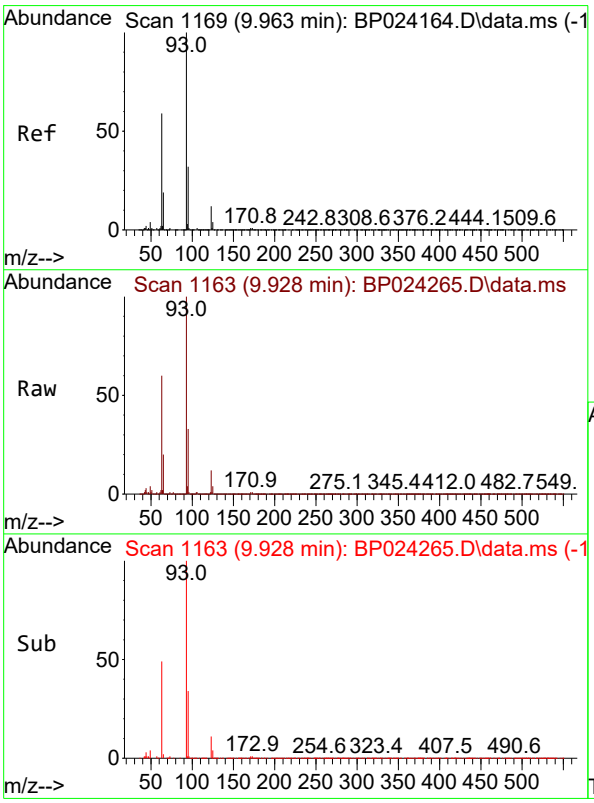
Ion	Ratio	Lower	Upper
122	100		
107	114.5	89.3	133.9
121	59.6	47.5	71.3



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

Manual Integrations
APPROVED

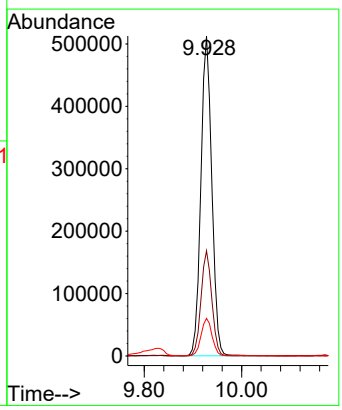
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

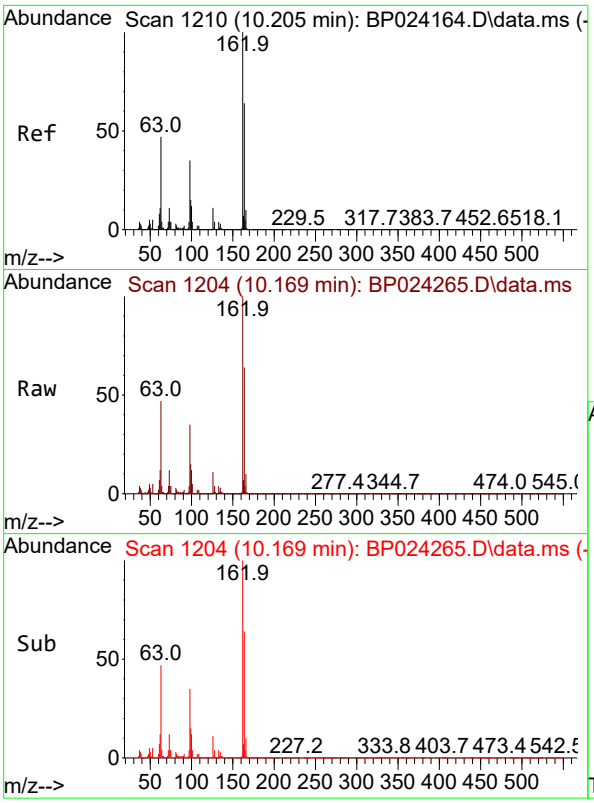


#28
bis(2-Chloroethoxy)methane
Concen: 44.620 ng
RT: 9.928 min Scan# 1163
Delta R.T. -0.012 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion: 93 Resp: 797057

Ion	Ratio	Lower	Upper
93	100		
95	32.8	25.9	38.9
123	11.7	9.5	14.3





#29
2,4-Dichlorophenol
Concen: 54.631 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

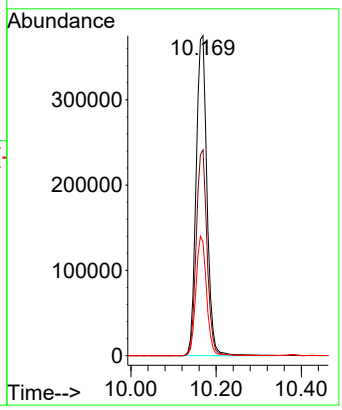
Tgt Ion:162 Resp: 66331

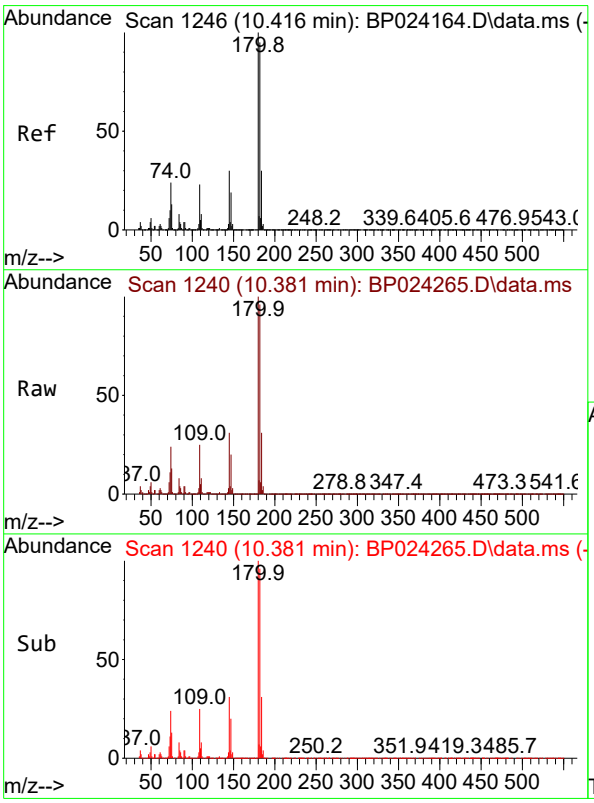
Ion	Ratio	Lower	Upper
162	100		
164	64.3	44.2	84.2
98	35.5	15.1	55.1

Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

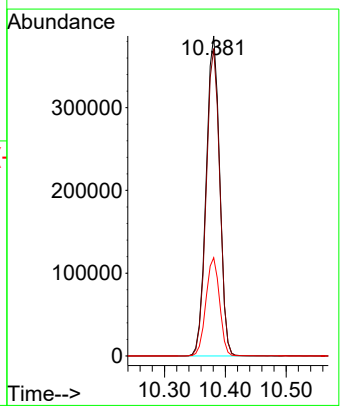


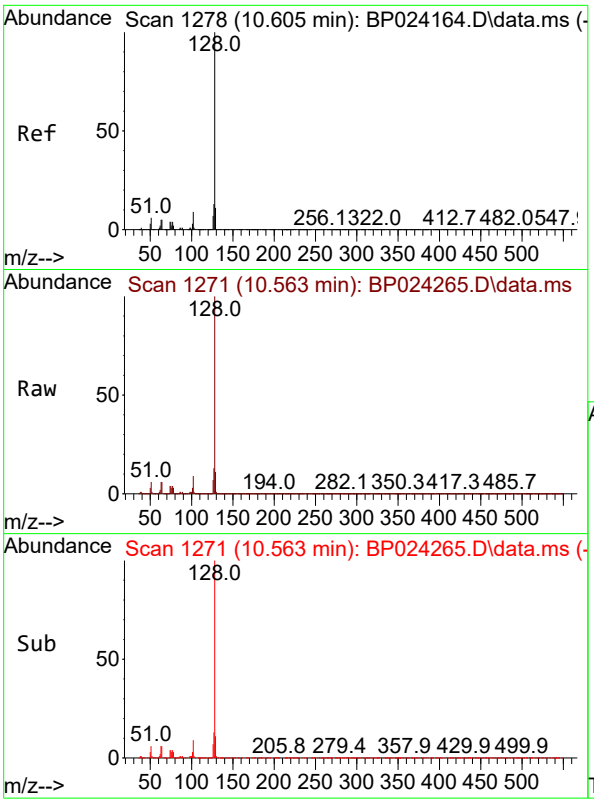


#30
1,2,4-Trichlorobenzene
Concen: 44.431 ng
RT: 10.381 min Scan# 1240
Delta R.T. -0.006 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:180 Resp: 596034

Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.1	114.1
145	30.7	24.2	36.2

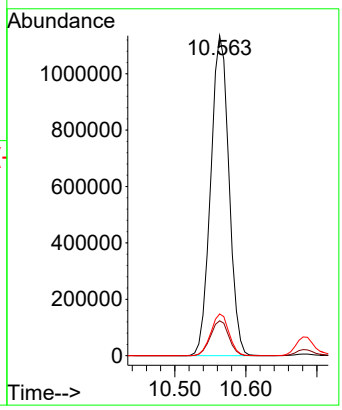




#31
Naphthalene
Concen: 45.605 ng
RT: 10.563 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:128 Resp: 202042

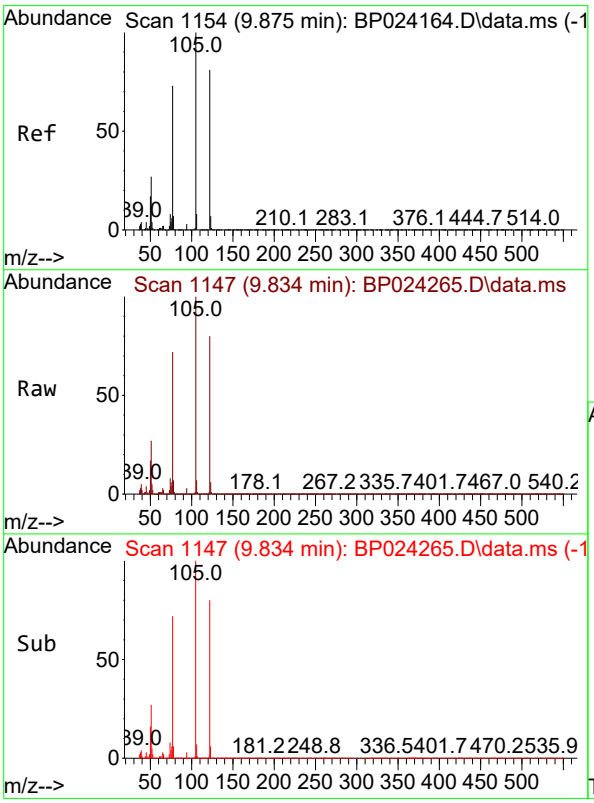
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.0	10.4	15.6



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

Manual Integrations
APPROVED

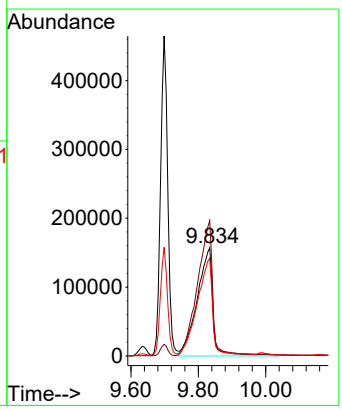
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

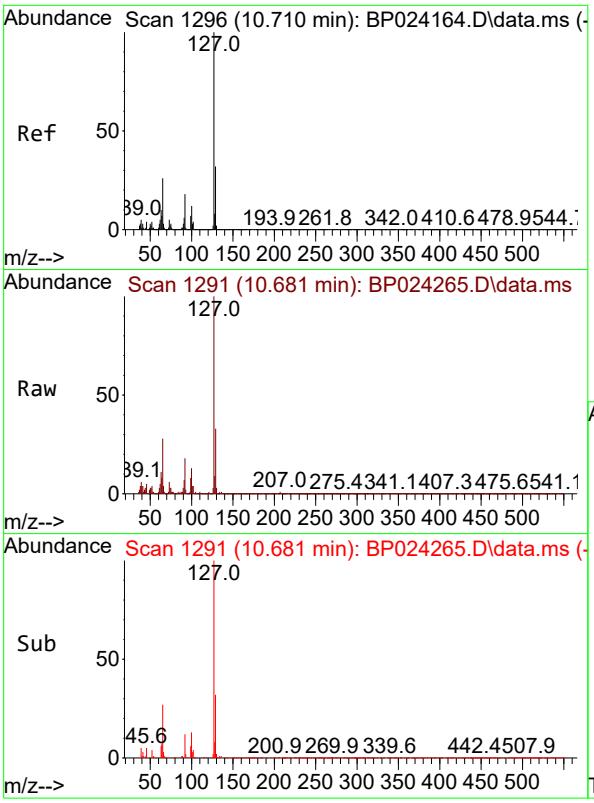


#32
Benzoic acid
Concen: 59.210 ng m
RT: 9.834 min Scan# 1147
Delta R.T. -0.018 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:122 Resp: 518295

Ion	Ratio	Lower	Upper
122	100		
105	125.1	100.3	140.3
77	90.1	69.1	109.1

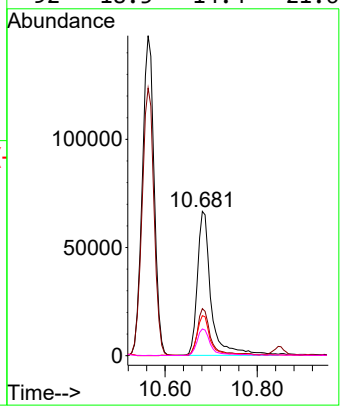




#33
4-Chloroaniline
Concen: 8.696 ng
RT: 10.681 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:127 Resp: 13787

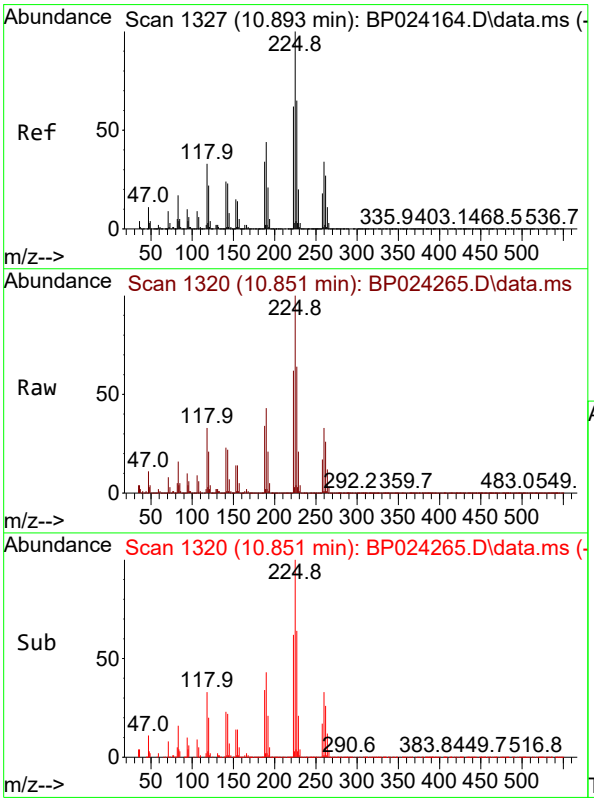
Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.8	38.6
65	27.7	21.2	31.8
92	18.5	14.4	21.6



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

Manual Integrations
APPROVED

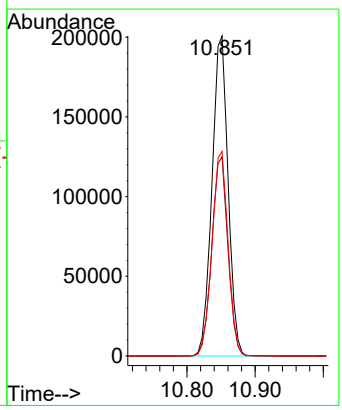
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

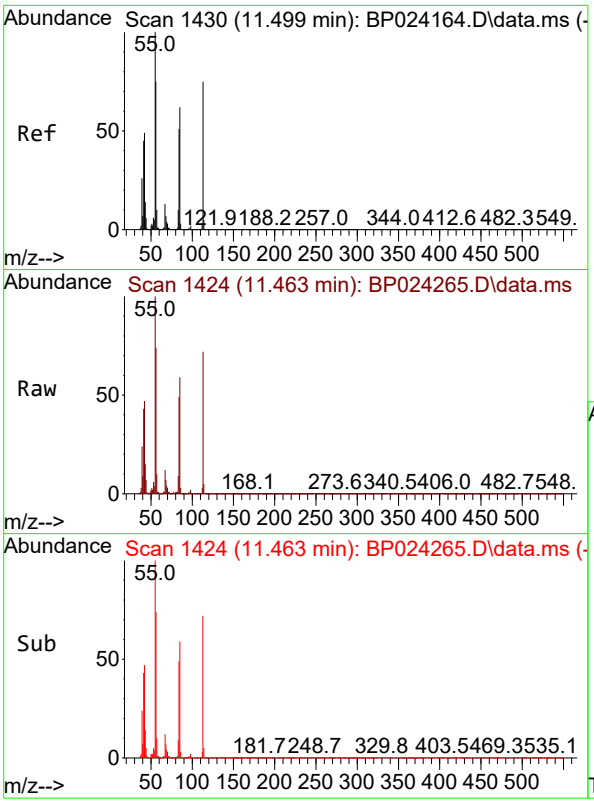


#34
Hexachlorobutadiene
Concen: 42.648 ng
RT: 10.851 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:225 Resp: 329257

Ion	Ratio	Lower	Upper
225	100		
223	62.2	49.9	74.9
227	63.9	52.2	78.2

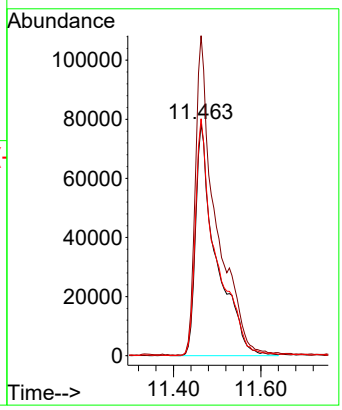




#35
Caprolactam
Concen: 63.971 ng
RT: 11.463 min Scan# 14
Delta R.T. -0.012 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:113 Resp: 25456

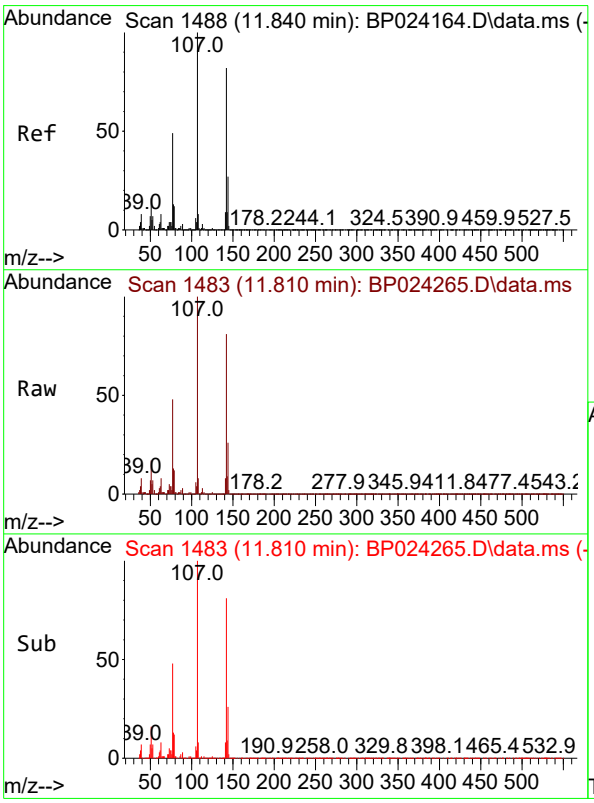
Ion	Ratio	Lower	Upper
113	100		
55	138.0	113.6	153.6
56	102.2	80.0	120.0



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

Manual Integrations
APPROVED

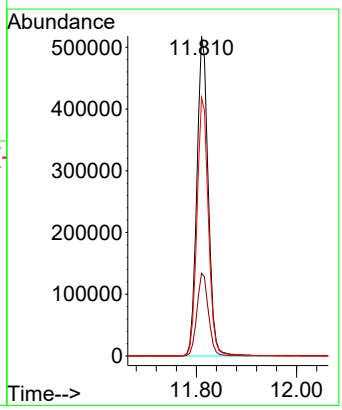
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

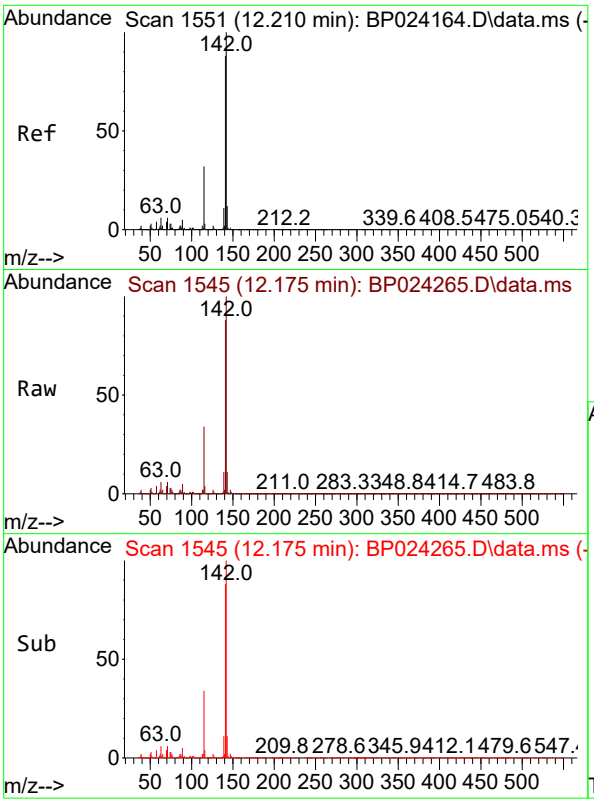


#36
4-Chloro-3-methylphenol
Concen: 62.057 ng
RT: 11.810 min Scan# 1483
Delta R.T. -0.012 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:107 Resp: 812838

Ion	Ratio	Lower	Upper
107	100		
144	25.9	21.6	32.4
142	80.7	65.4	98.0

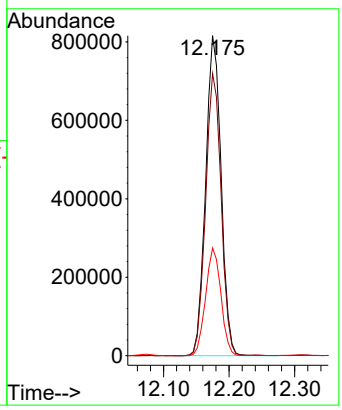




#37
2-Methylnaphthalene
Concen: 44.651 ng
RT: 12.175 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:142 Resp: 133637

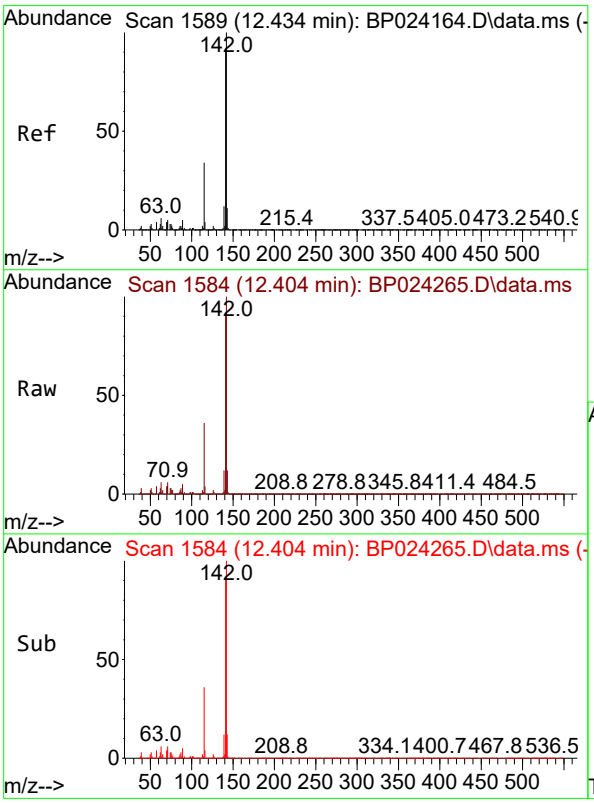
Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.3	105.5
115	33.6	26.0	39.0



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

Manual Integrations
APPROVED

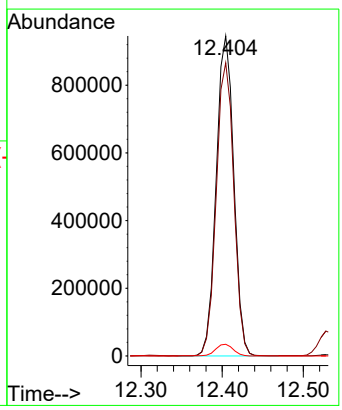
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

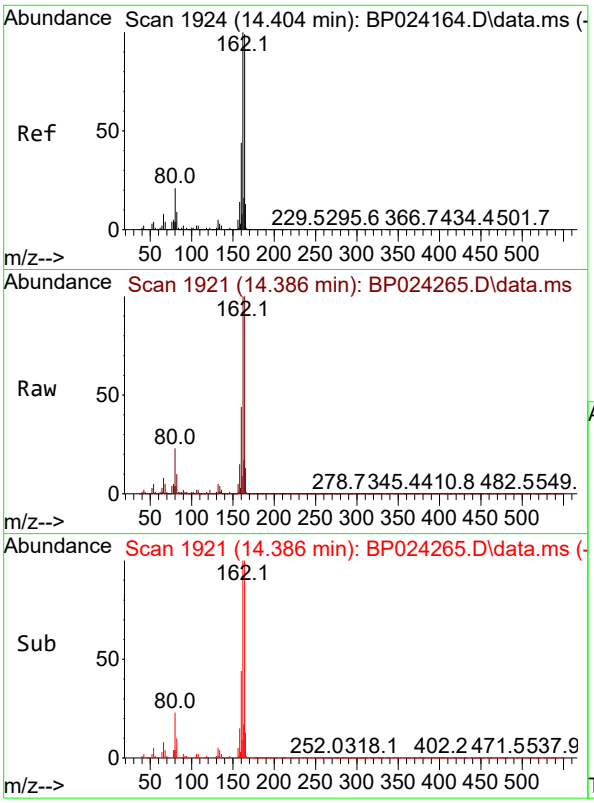


#38
1-Methylnaphthalene
Concen: 48.823 ng
RT: 12.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:142 Resp: 1421267

Ion	Ratio	Lower	Upper
142	100		
141	91.6	73.9	110.9
116	3.7	2.8	4.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

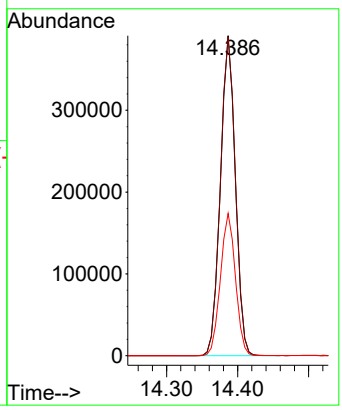
Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

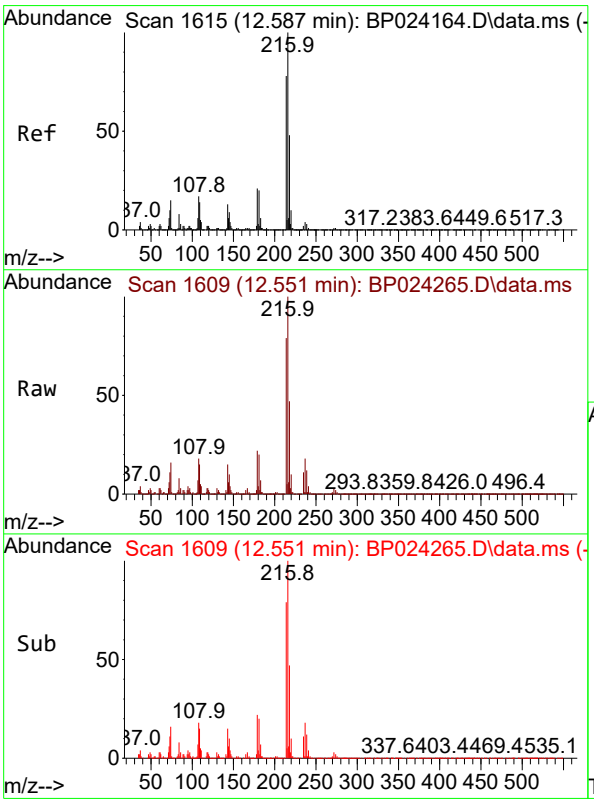
Tgt Ion:164 Resp: 56662

Ion	Ratio	Lower	Upper
164	100		
162	99.7	80.6	121.0
160	44.4	35.4	53.2

Manual Integrations
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Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

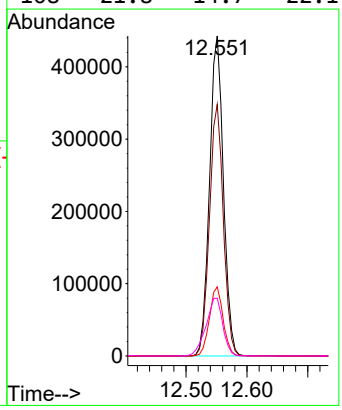


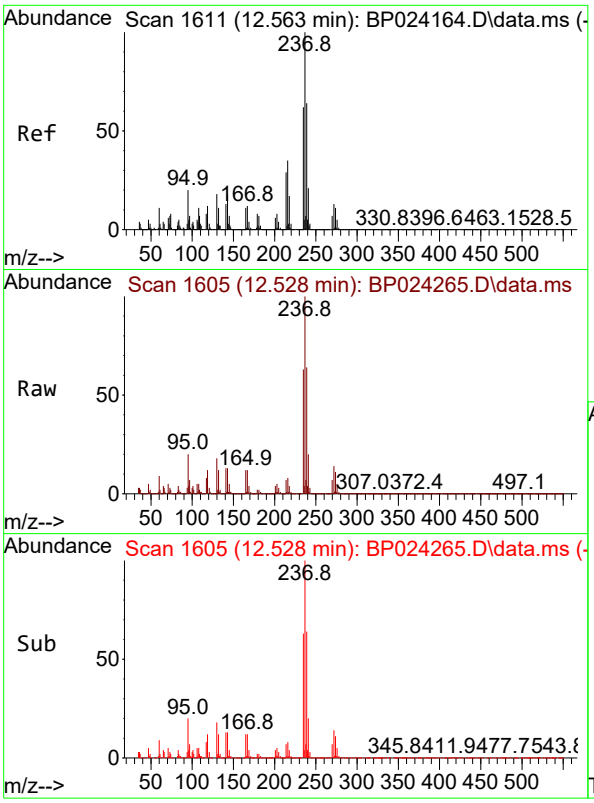


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.817 ng
RT: 12.551 min Scan# 1609
Delta R.T. -0.012 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:216 Resp: 701326

Ion	Ratio	Lower	Upper
216	100		
214	78.7	62.8	94.2
179	21.4	16.8	25.2
108	21.8	14.7	22.1

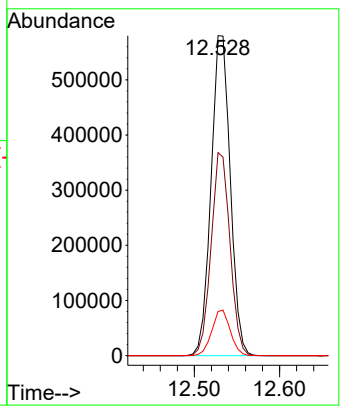




#41
Hexachlorocyclopentadiene
Concen: 154.174 ng
RT: 12.528 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:237 Resp: 91027

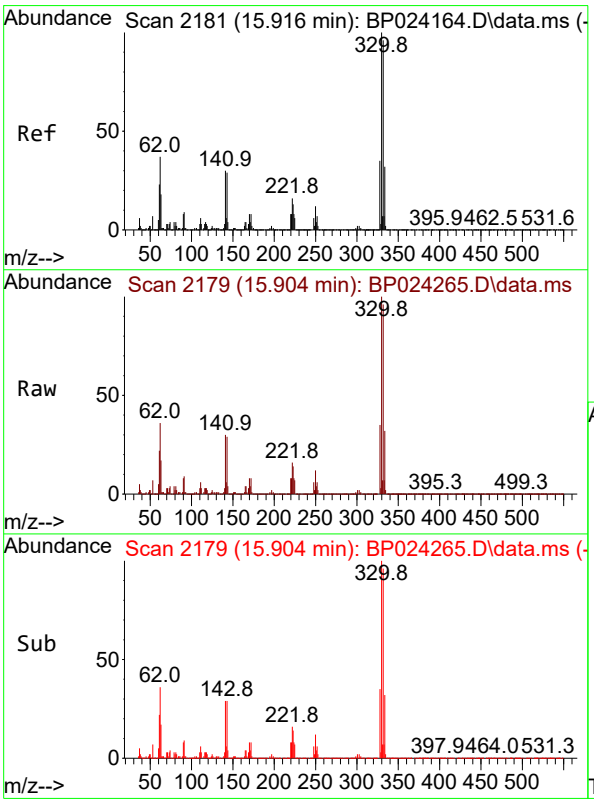
Ion	Ratio	Lower	Upper
237	100		
235	63.5	41.8	81.8
272	13.8	0.0	33.5



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

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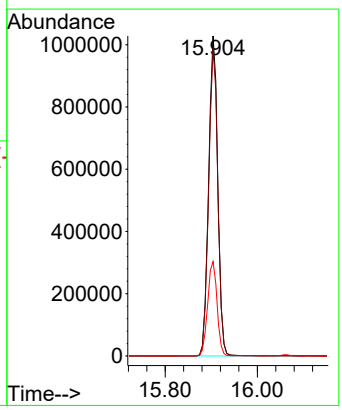
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

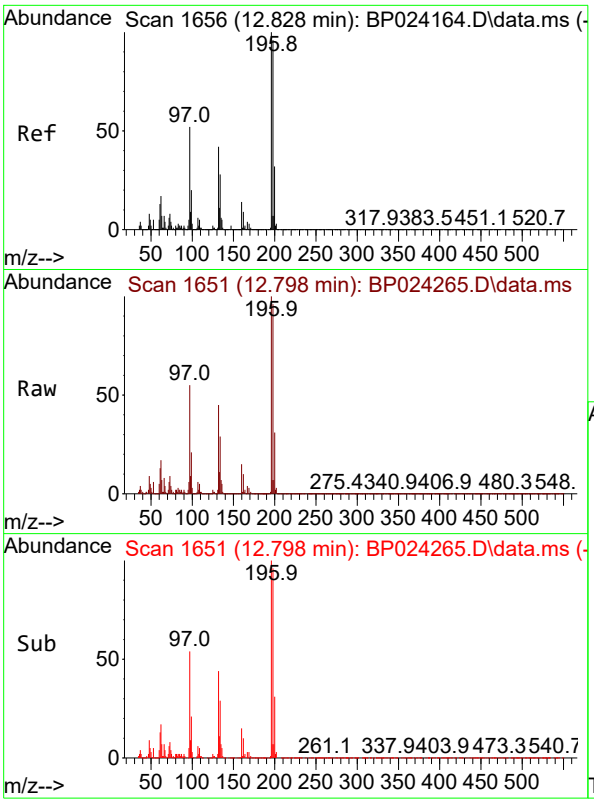


#42
2,4,6-Tribromophenol
Concen: 199.424 ng
RT: 15.904 min Scan# 2179
Delta R.T. 0.006 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:330 Resp: 1423364

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.6	116.4
141	30.4	25.0	37.6





#43
2,4,6-Trichlorophenol
Concen: 52.633 ng
RT: 12.798 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

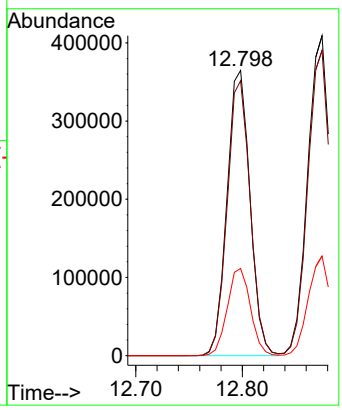
Tgt Ion:196 Resp: 54788

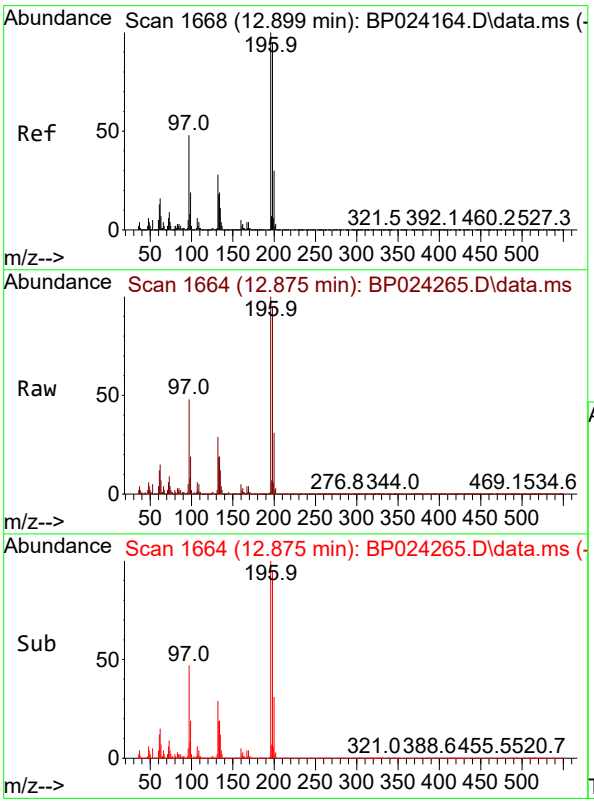
Ion	Ratio	Lower	Upper
196	100		
198	96.4	76.6	115.0
200	30.6	25.4	38.0

Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

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Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

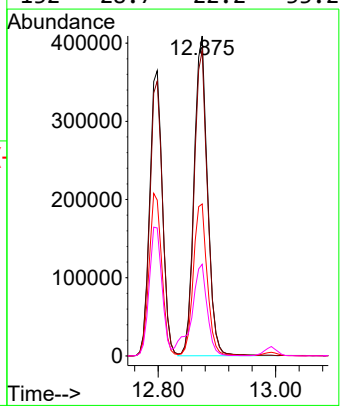


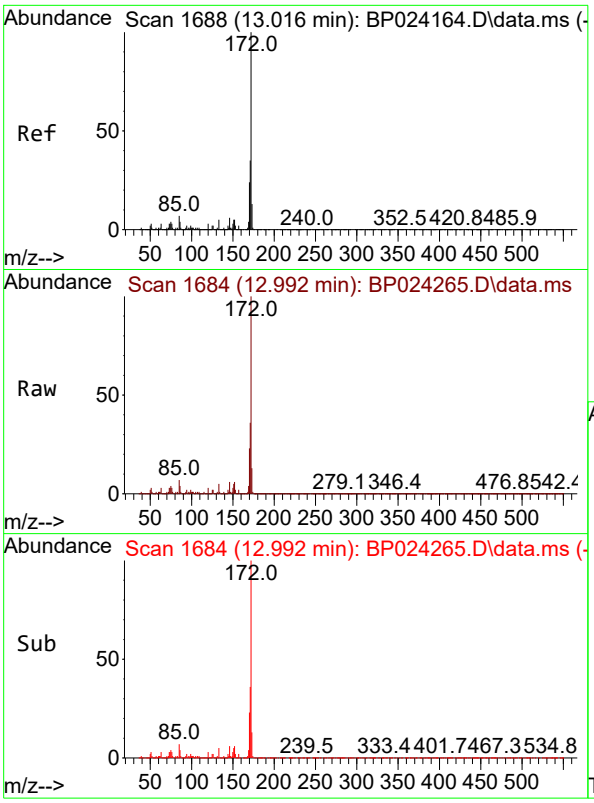


#44
2,4,5-Trichlorophenol
Concen: 56.911 ng
RT: 12.875 min Scan# 1664
Delta R.T. -0.012 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:196 Resp: 649678

Ion	Ratio	Lower	Upper
196	100		
198	95.4	76.5	114.7
97	47.5	38.7	58.1
132	28.7	22.2	33.2

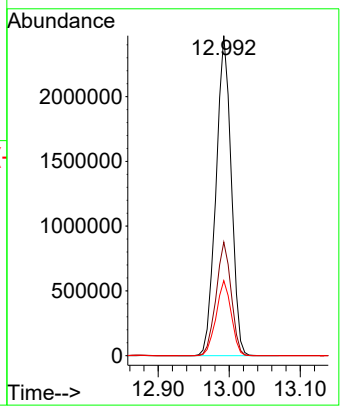




#45
2-Fluorobiphenyl
Concen: 95.414 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:172 Resp: 366652

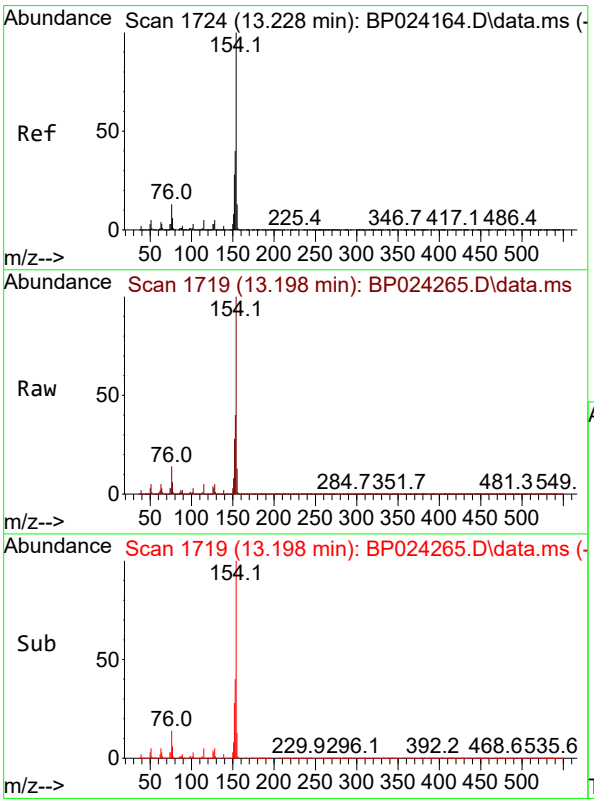
Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.3	42.5
170	23.4	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

Manual Integrations
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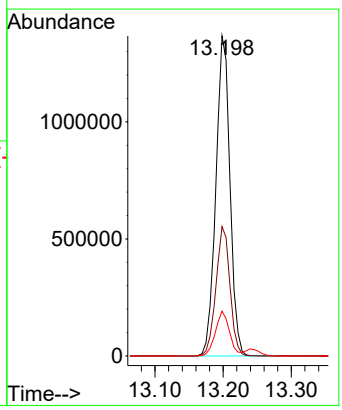
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

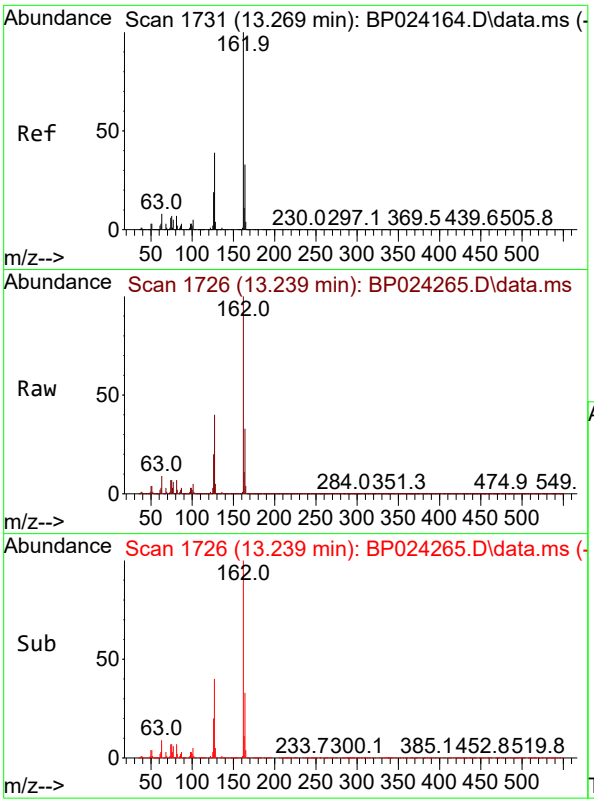


#46
1,1'-Biphenyl
Concen: 46.165 ng
RT: 13.198 min Scan# 1719
Delta R.T. -0.012 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:154 Resp: 1965684

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.3	60.3
76	14.0	0.0	32.9

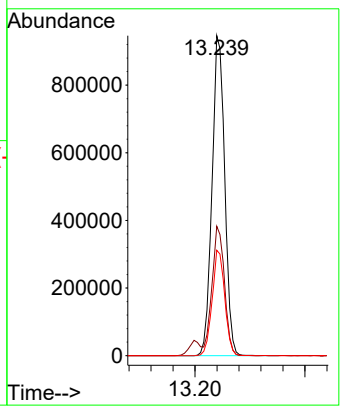




#47
2-Chloronaphthalene
Concen: 47.395 ng
RT: 13.239 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:162 Resp: 151790

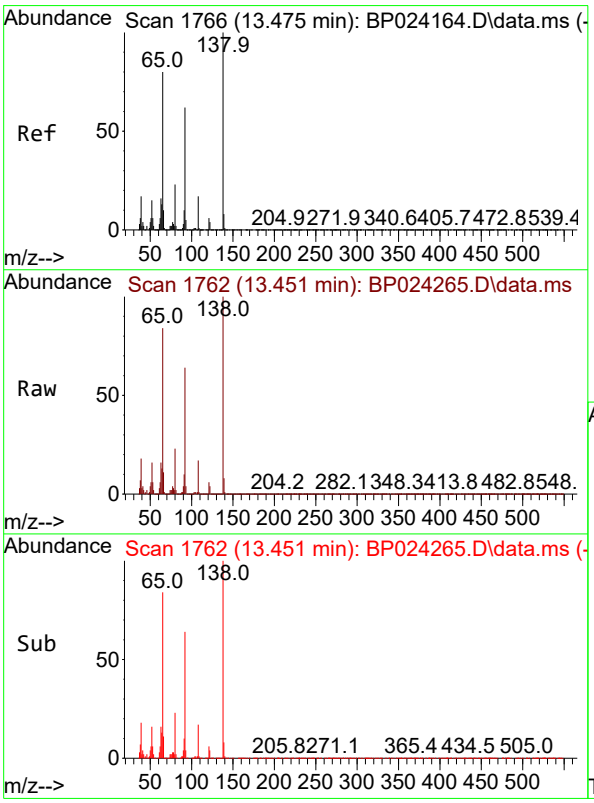
Ion	Ratio	Lower	Upper
162	100		
127	40.5	31.5	47.3
164	32.9	26.6	39.8



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

Manual Integrations
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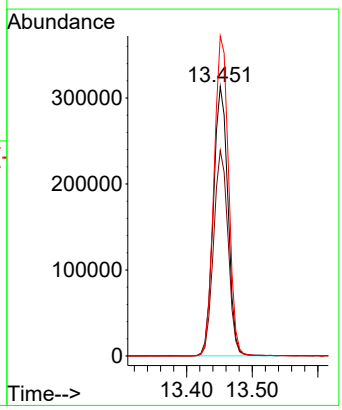
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

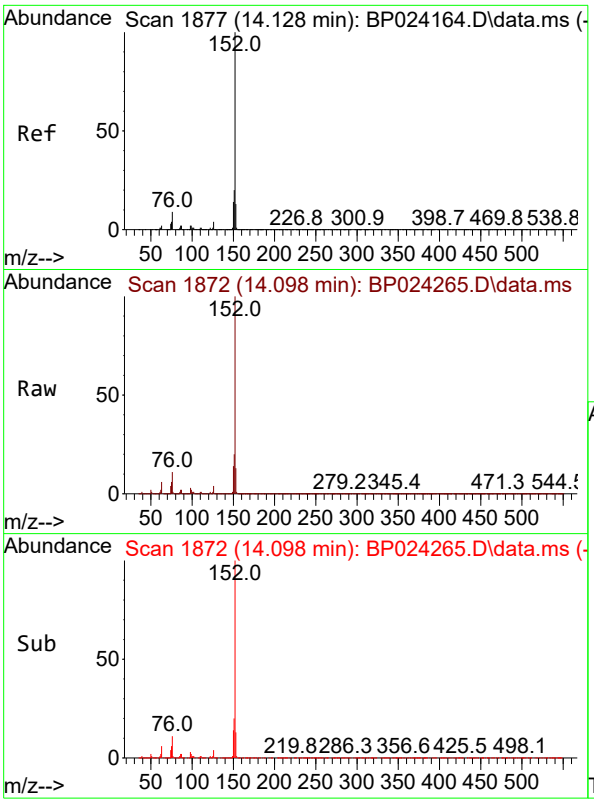


#48
2-Nitroaniline
Concen: 58.918 ng
RT: 13.451 min Scan# 1762
Delta R.T. -0.012 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion: 65 Resp: 482628

Ion	Ratio	Lower	Upper
65	100		
92	76.3	62.1	93.1
138	118.8	99.5	149.3

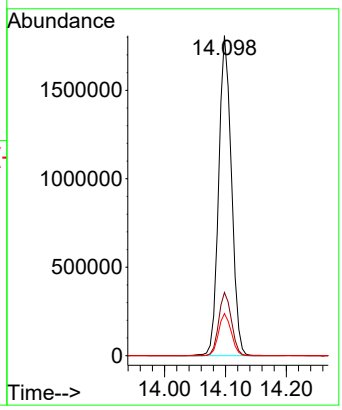




#49
Acenaphthylene
Concen: 54.145 ng
RT: 14.098 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:152 Resp: 262387

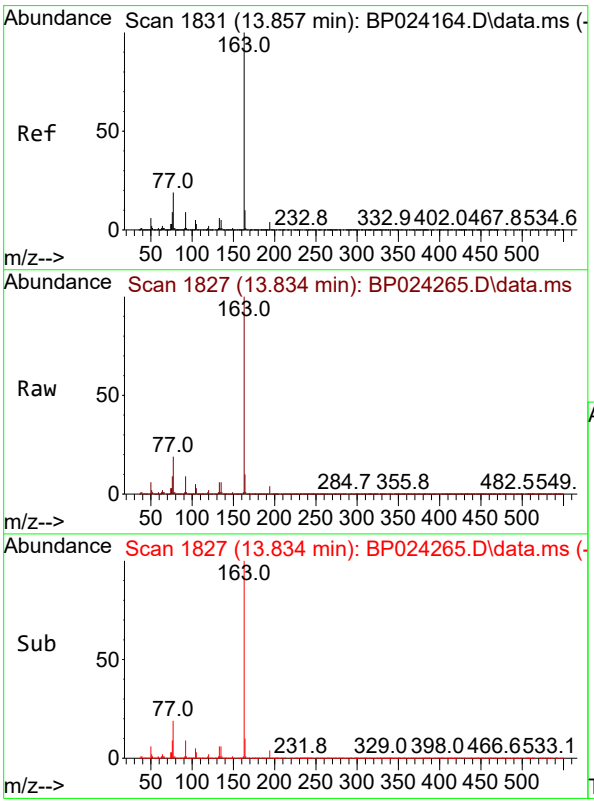
Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.0	24.0
153	13.2	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

Manual Integrations
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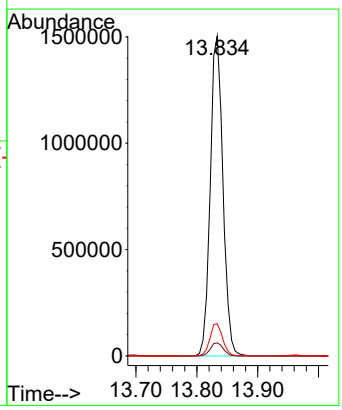
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

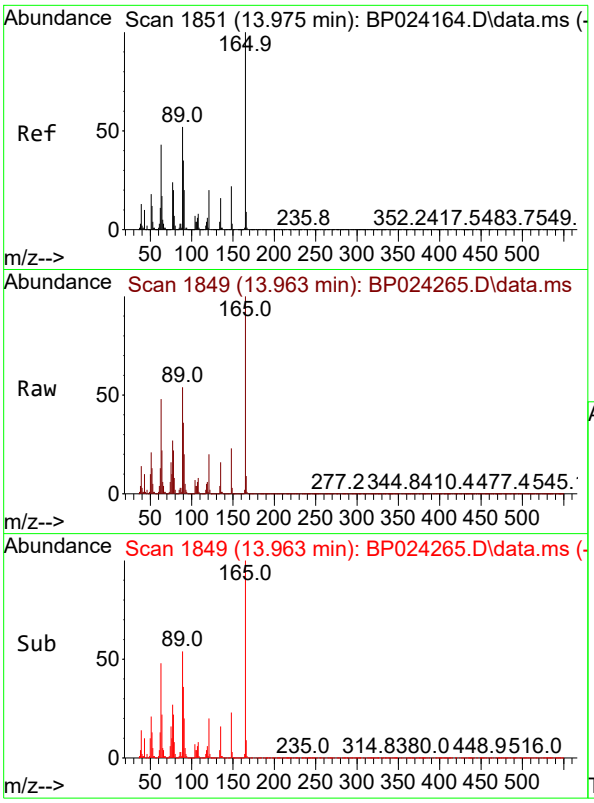


#50
Dimethylphthalate
Concen: 54.816 ng
RT: 13.834 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:163 Resp: 2173322

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.1	8.2	12.4





#51
2,6-Dinitrotoluene
Concen: 58.265 ng
RT: 13.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

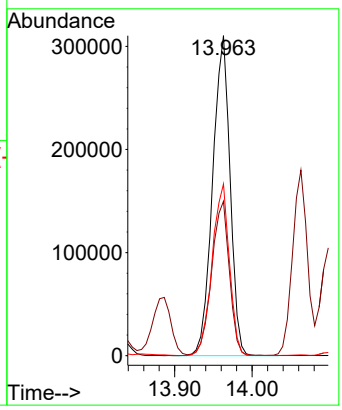
Tgt Ion:165 Resp: 48605

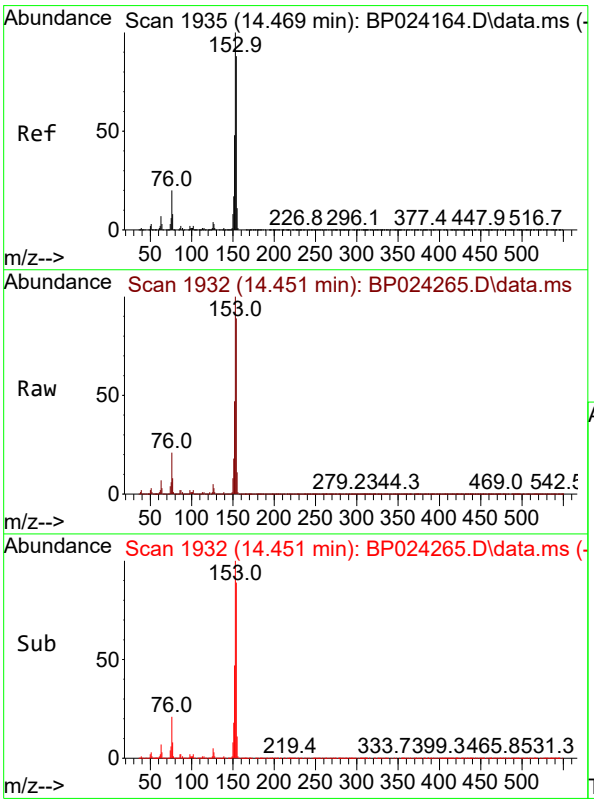
Ion	Ratio	Lower	Upper
165	100		
63	48.2	37.7	56.5
89	53.6	41.9	62.9

Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

Manual Integrations
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Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

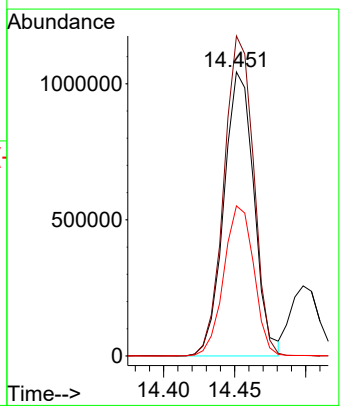


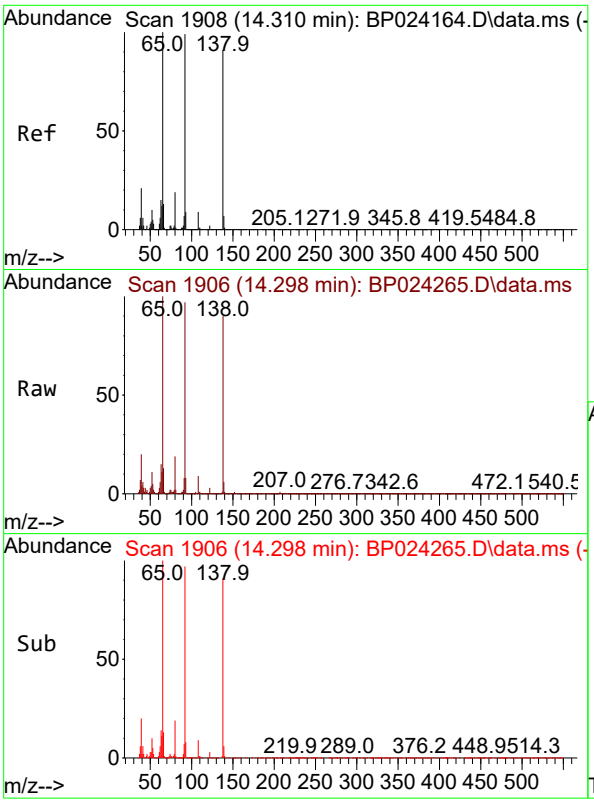


#52
Acenaphthene
Concen: 49.719 ng
RT: 14.451 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:154 Resp: 1539419

Ion	Ratio	Lower	Upper
154	100		
153	112.7	90.5	135.7
152	52.8	43.1	64.7





#53
3-Nitroaniline
Concen: 17.004 ng
RT: 14.298 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

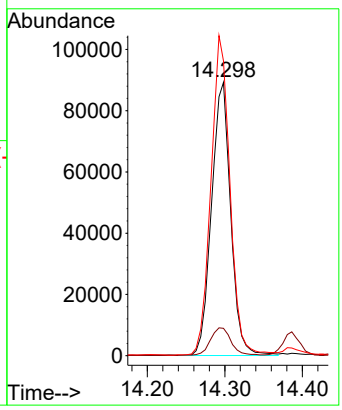
Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

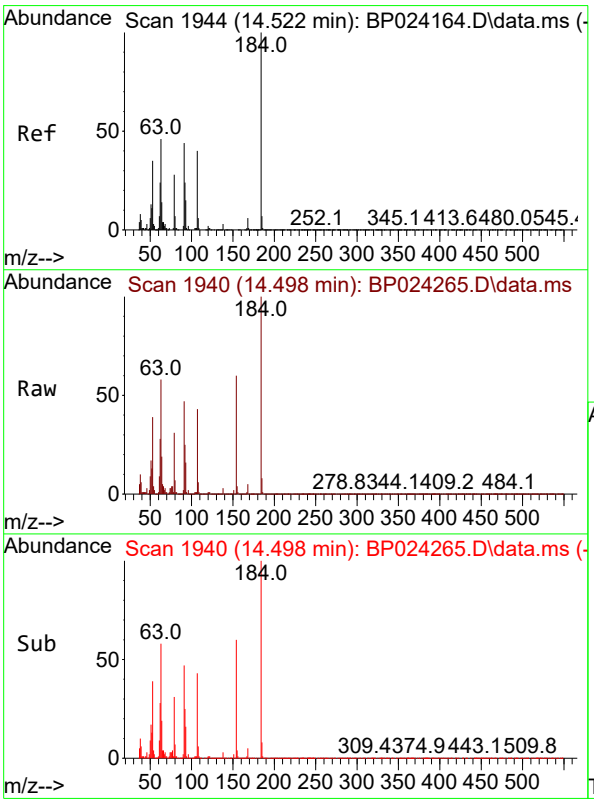
Tgt Ion:138 Resp: 15320

Ion	Ratio	Lower	Upper
138	100		
108	10.0	8.2	12.2
92	107.8	86.7	130.1

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Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

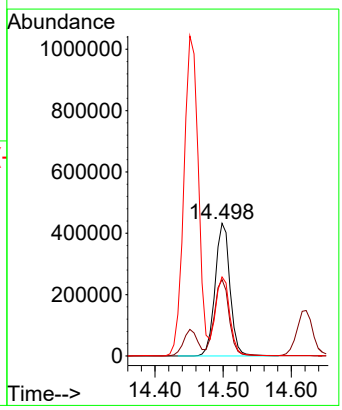


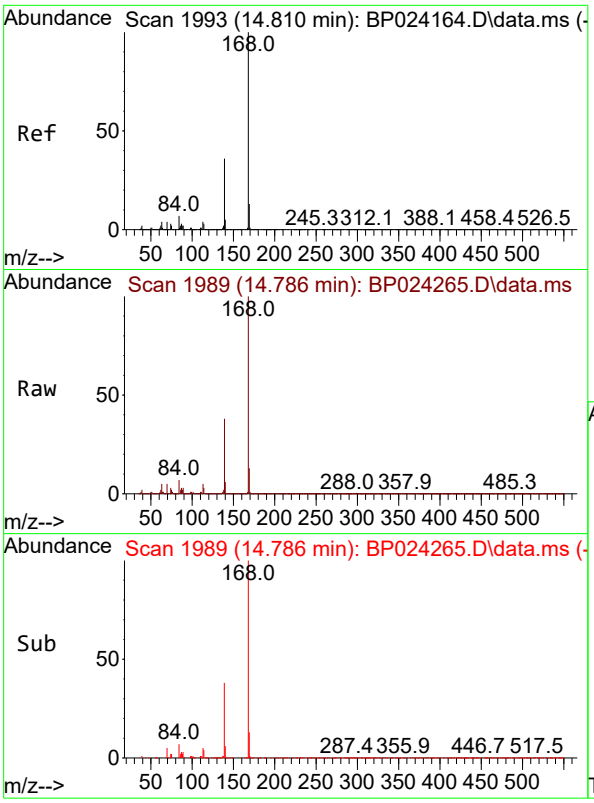


#54
2,4-Dinitrophenol
Concen: 148.841 ng
RT: 14.498 min Scan# 1940
Delta R.T. -0.006 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:184 Resp: 656992

Ion	Ratio	Lower	Upper
184	100		
63	57.6	42.1	63.1
154	59.6	44.6	67.0

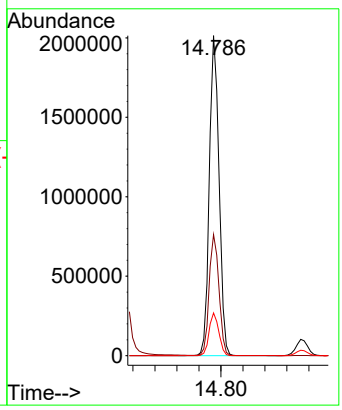




#55
Dibenzofuran
Concen: 49.120 ng
RT: 14.786 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:168 Resp: 246353

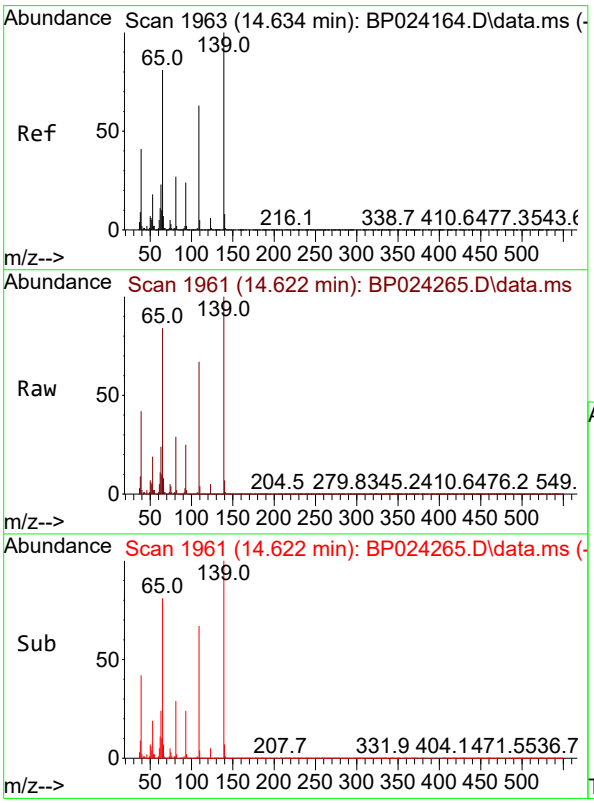
Ion	Ratio	Lower	Upper
168	100		
139	37.9	29.1	43.7
169	13.4	10.8	16.2



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

Manual Integrations
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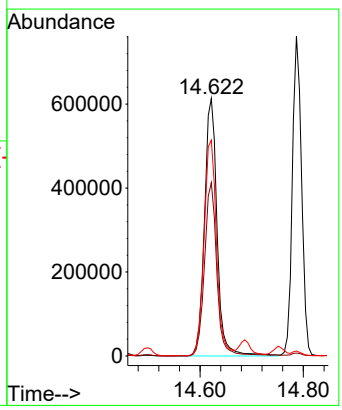
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

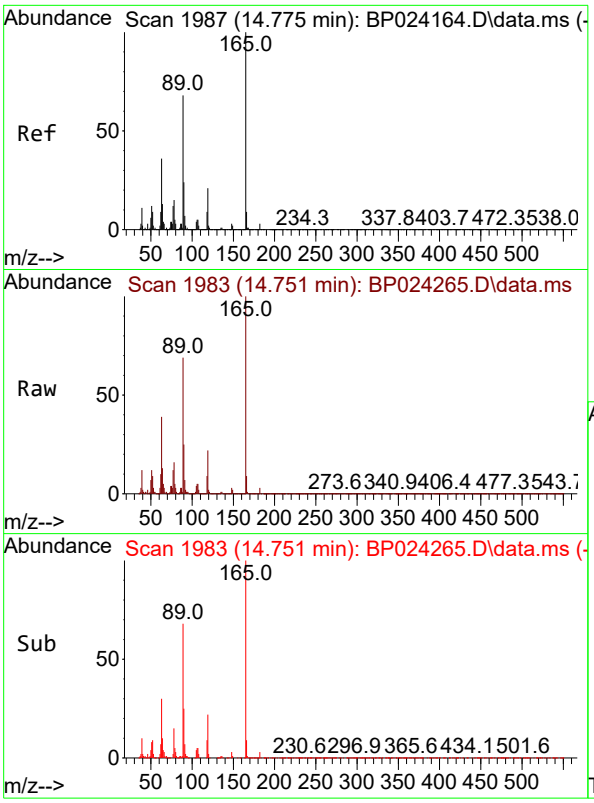


#56
4-Nitrophenol
Concen: 137.823 ng
RT: 14.622 min Scan# 1961
Delta R.T. 0.006 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:139 Resp: 1037606

Ion	Ratio	Lower	Upper
139	100		
109	67.3	43.3	83.3
65	83.8	61.2	101.2

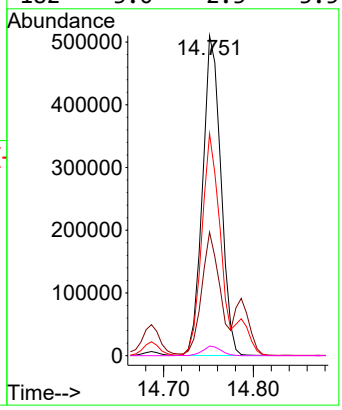




#57
2,4-Dinitrotoluene
Concen: 65.632 ng
RT: 14.751 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:165 Resp: 72320

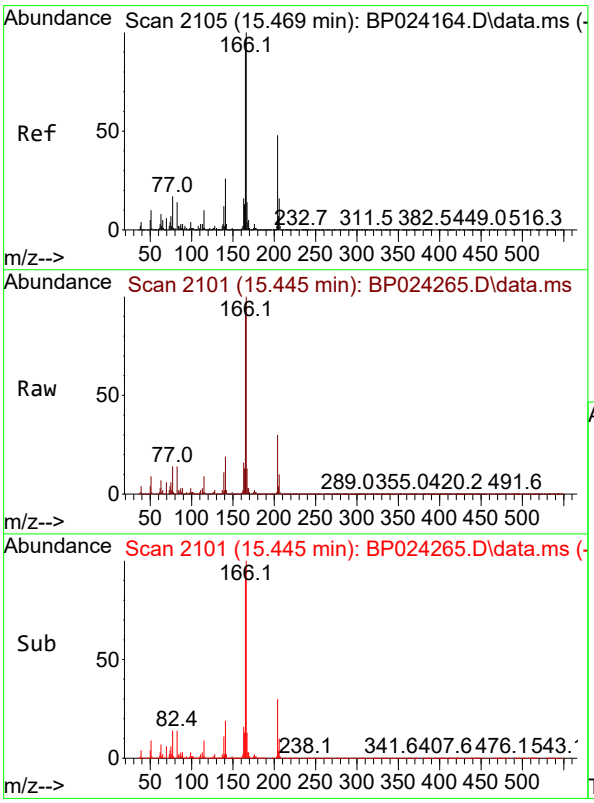
Ion	Ratio	Lower	Upper
165	100		
63	38.6	29.0	43.6
89	69.4	54.2	81.4
182	3.0	2.3	3.5



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

Manual Integrations
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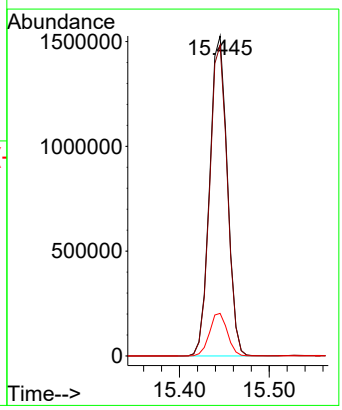
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

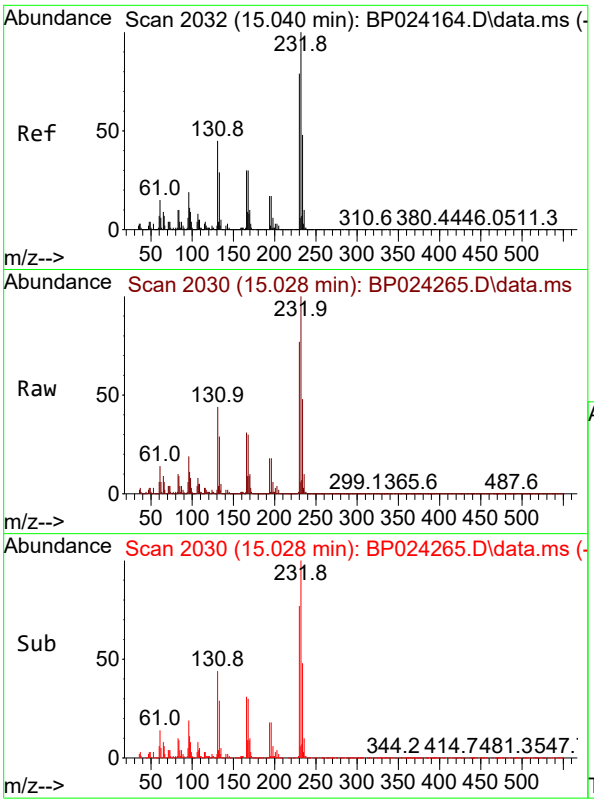


#58
Fluorene
Concen: 53.321 ng
RT: 15.445 min Scan# 2101
Delta R.T. -0.012 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:166 Resp: 2083618

Ion	Ratio	Lower	Upper
166	100		
165	97.1	77.6	116.4
167	13.3	10.8	16.2

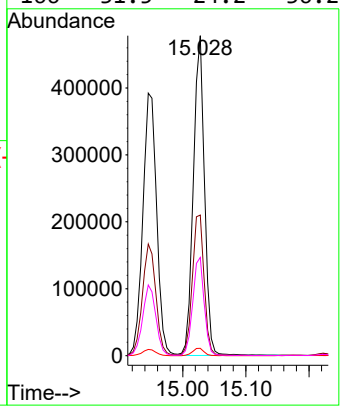




#59
2,3,4,6-Tetrachlorophenol
Concen: 57.955 ng
RT: 15.028 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:232 Resp: 58452

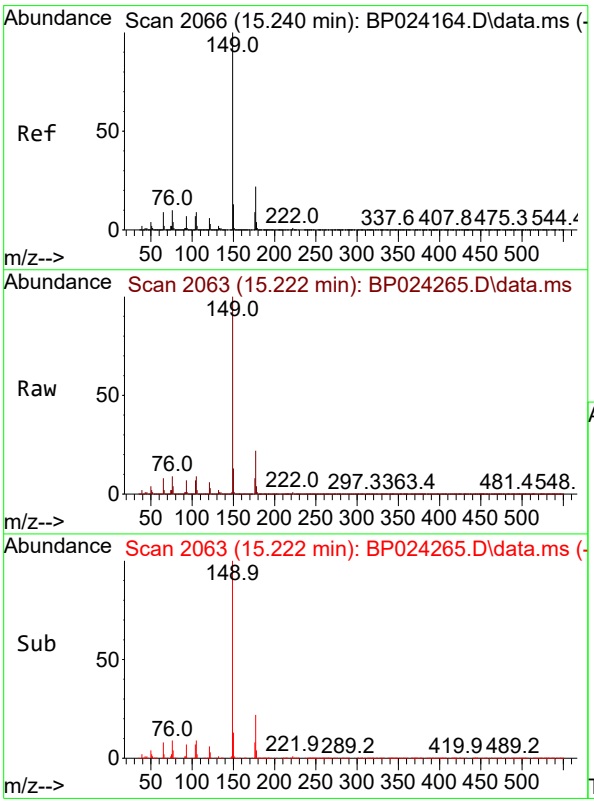
Ion	Ratio	Lower	Upper
232	100		
131	46.3	35.9	53.9
130	2.4	1.8	2.6
166	31.5	24.2	36.2



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

Manual Integrations
APPROVED

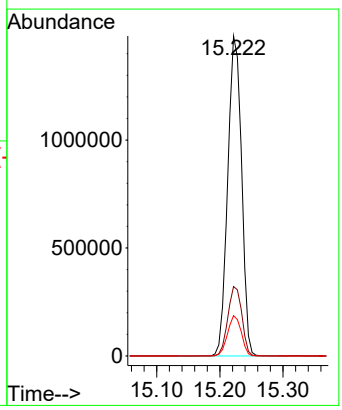
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

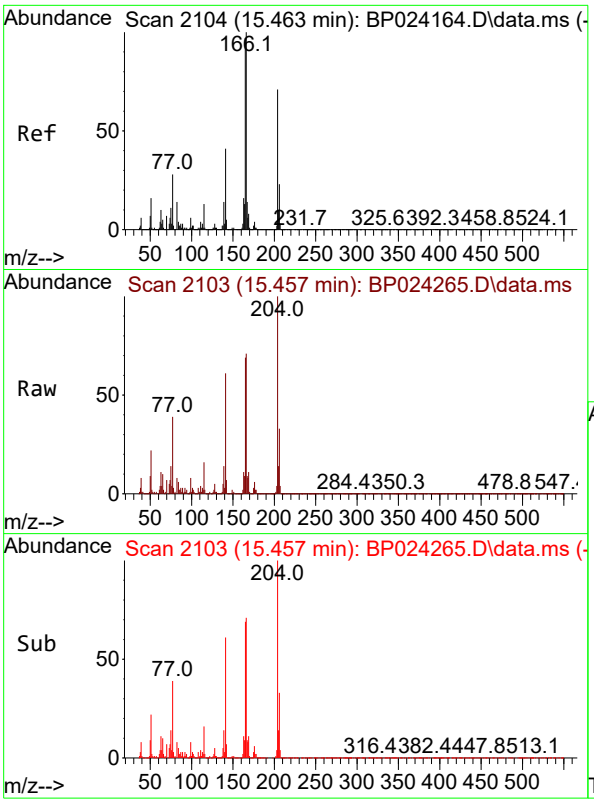


#60
Diethylphthalate
Concen: 57.082 ng
RT: 15.222 min Scan# 2063
Delta R.T. -0.006 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:149 Resp: 2253741

Ion	Ratio	Lower	Upper
149	100		
177	21.7	17.7	26.5
150	12.6	10.2	15.4

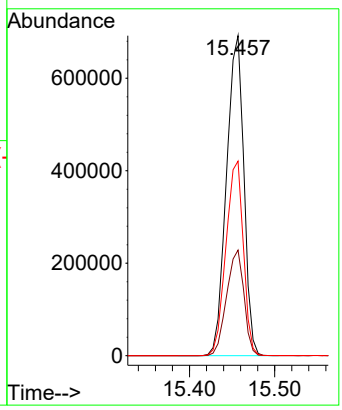




#61
4-Chlorophenyl-phenylether
Concen: 51.110 ng
RT: 15.457 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:204 Resp: 97956

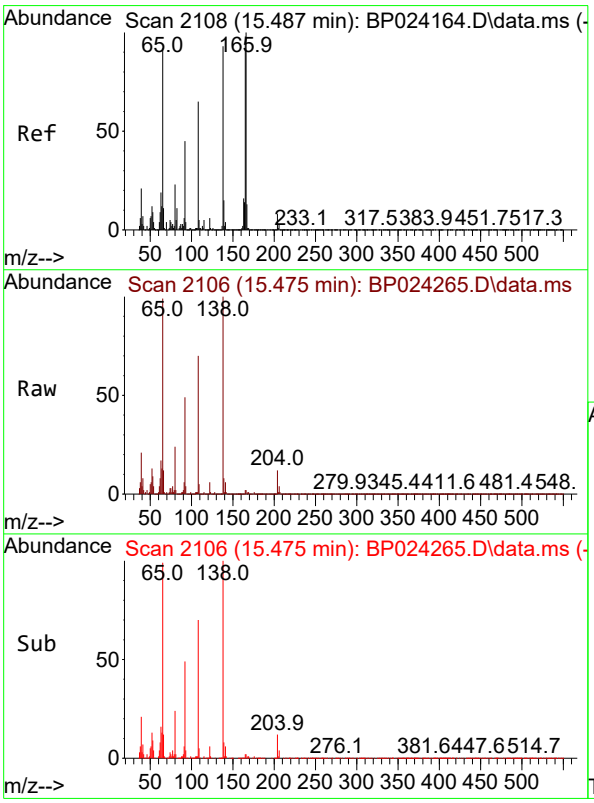
Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.4	39.6
141	60.8	45.8	68.8



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

Manual Integrations
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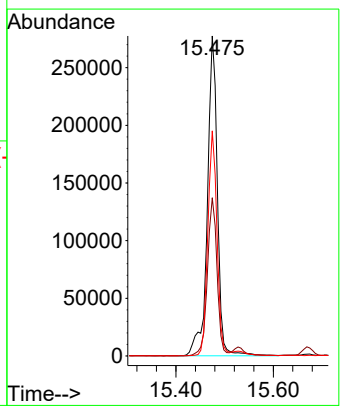
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

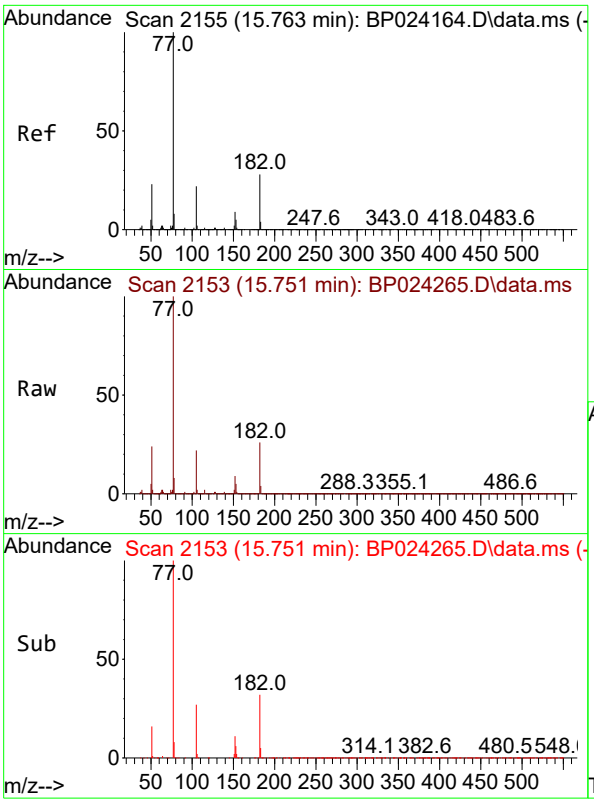


#62
4-Nitroaniline
Concen: 41.929 ng
RT: 15.475 min Scan# 2106
Delta R.T. 0.000 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:138 Resp: 396219

Ion	Ratio	Lower	Upper
138	100		
92	49.4	28.7	68.7
108	70.4	49.5	89.5

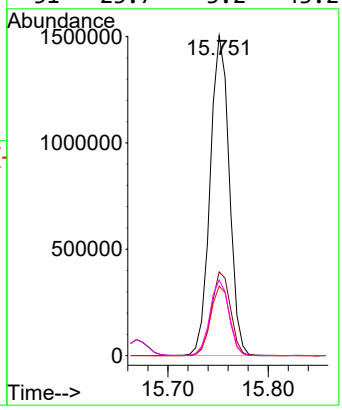




#63
Azobenzene
Concen: 53.399 ng
RT: 15.751 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion: 77 Resp: 198717

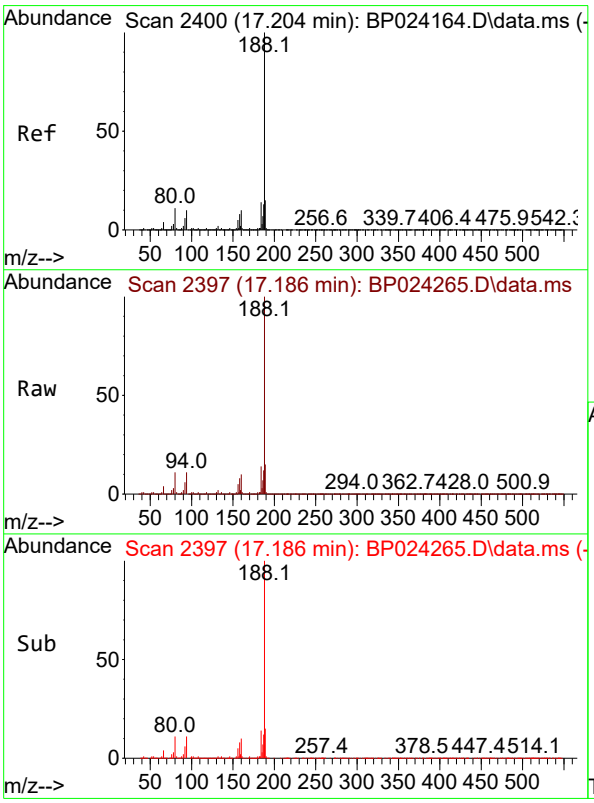
Ion	Ratio	Lower	Upper
77	100		
182	26.2	7.7	47.7
105	21.8	2.3	42.3
51	23.7	3.2	43.2



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

Manual Integrations
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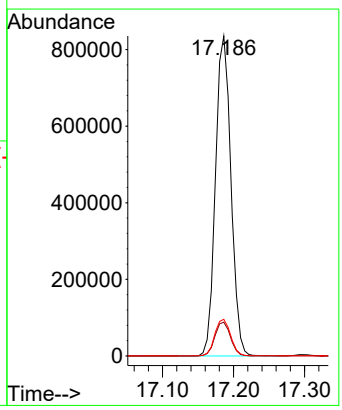
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

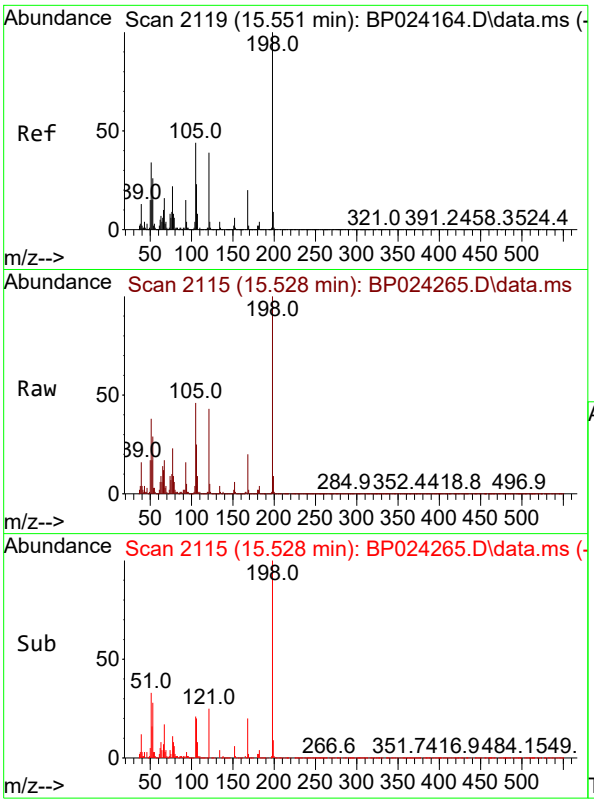


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.186 min Scan# 2397
Delta R.T. -0.006 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:188 Resp: 1260548

Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.1	12.1
80	11.5	8.9	13.3





#65
4,6-Dinitro-2-methylphenol
Concen: 55.897 ng
RT: 15.528 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

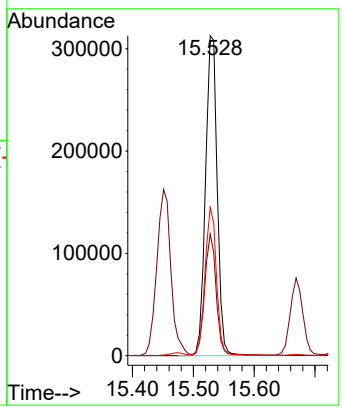
Tgt Ion:198 Resp: 41830

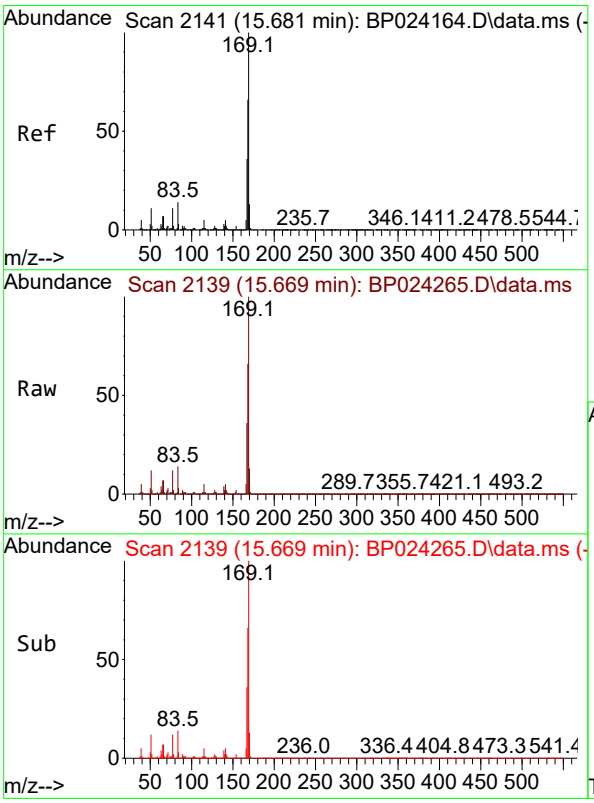
Ion	Ratio	Lower	Upper
198	100		
51	38.0	14.7	54.7
105	46.3	23.8	63.8

Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

Manual Integrations
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Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

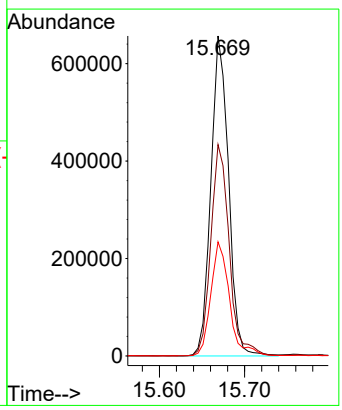


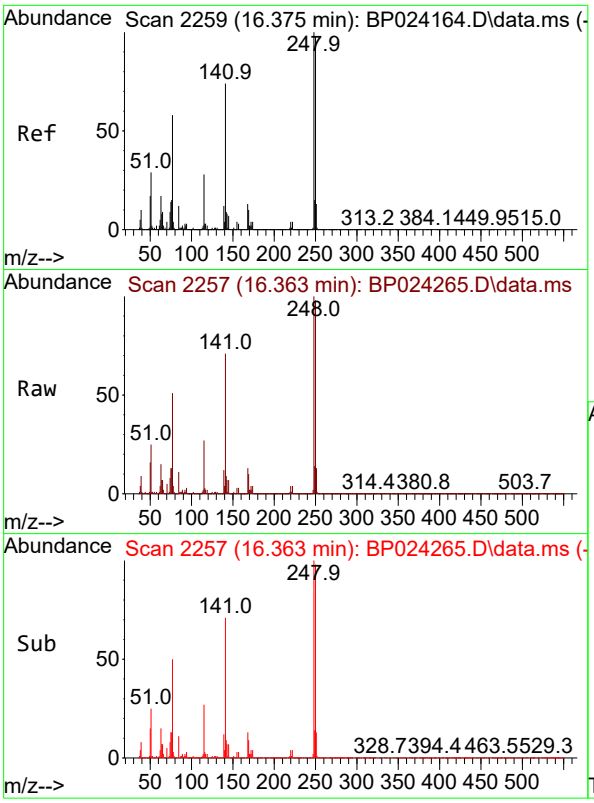


#66
n-Nitrosodiphenylamine
Concen: 24.638 ng
RT: 15.669 min Scan# 2139
Delta R.T. 0.000 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:169 Resp: 943117

Ion	Ratio	Lower	Upper
169	100		
168	66.0	52.9	79.3
167	35.6	28.8	43.2

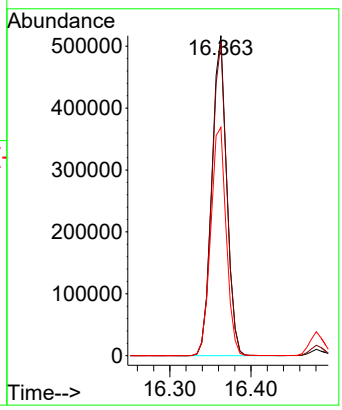




#67
4-Bromophenyl-phenylether
Concen: 47.621 ng
RT: 16.363 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:248 Resp: 65906

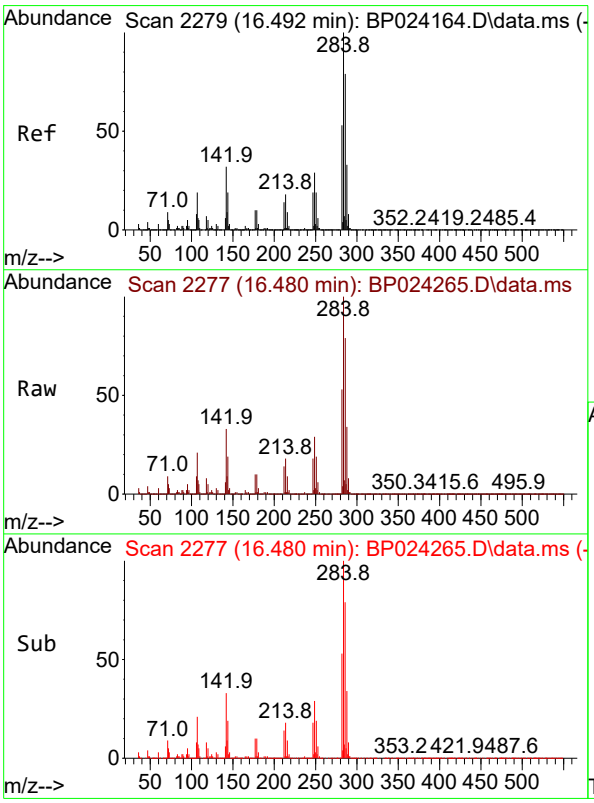
Ion	Ratio	Lower	Upper
248	100		
250	97.8	78.4	117.6
141	71.4	59.4	89.0



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

Manual Integrations
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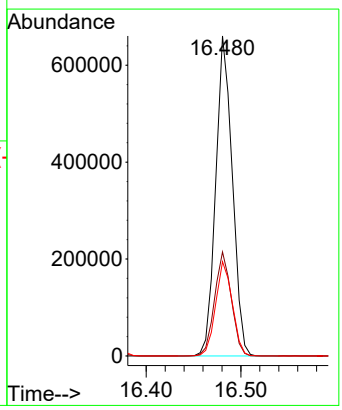
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

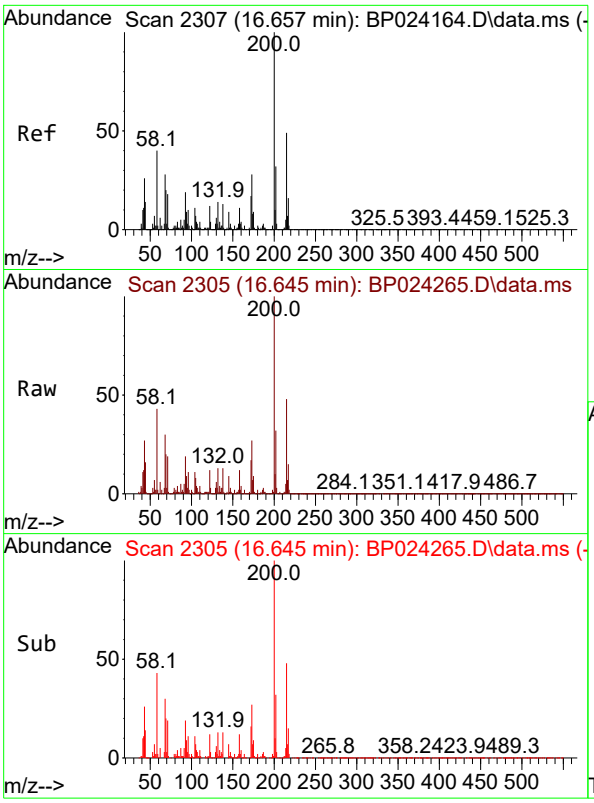


#68
Hexachlorobenzene
Concen: 49.297 ng
RT: 16.480 min Scan# 2277
Delta R.T. 0.000 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:284 Resp: 807518

Ion	Ratio	Lower	Upper
284	100		
142	32.5	25.4	38.2
249	29.4	23.5	35.3

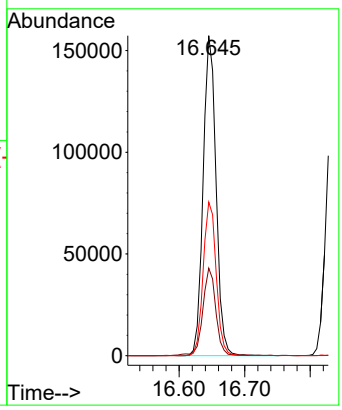




#69
Atrazine
Concen: 23.312 ng
RT: 16.645 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:200 Resp: 21538

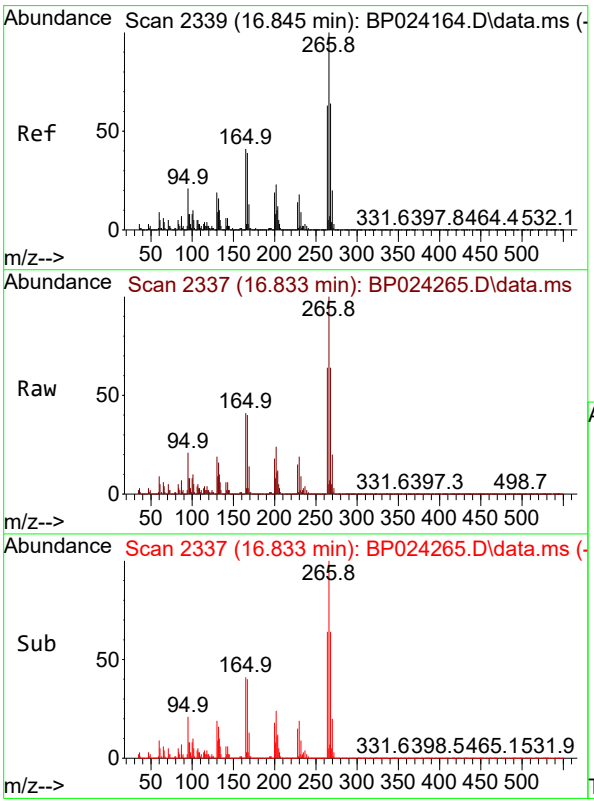
Ion	Ratio	Lower	Upper
200	100		
173	27.3	7.6	47.6
215	48.0	29.0	69.0



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

Manual Integrations
APPROVED

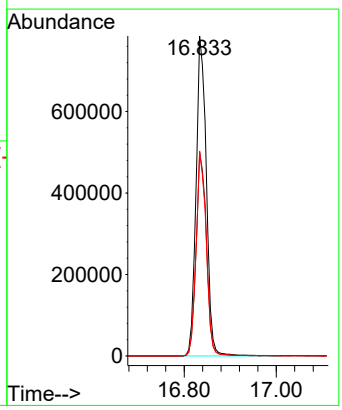
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

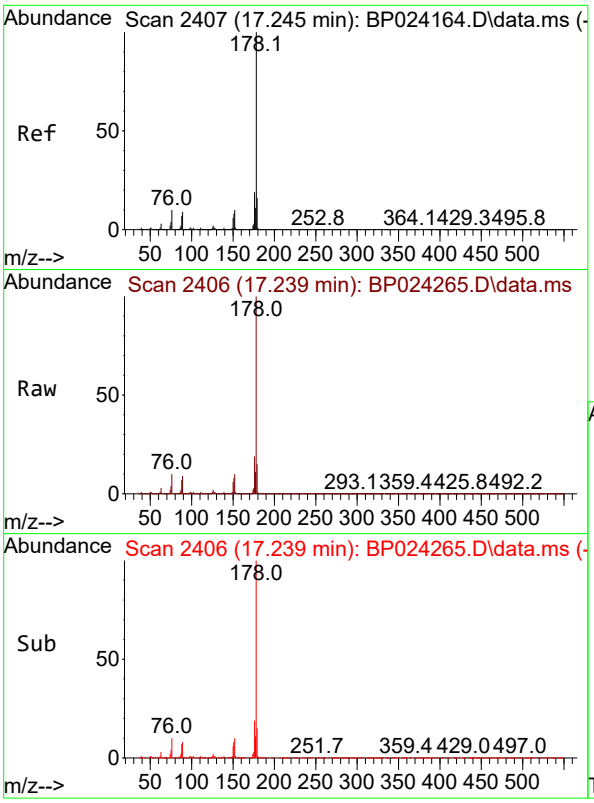


#70
Pentachlorophenol
Concen: 114.697 ng
RT: 16.833 min Scan# 2337
Delta R.T. -0.006 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:266 Resp: 1215004

Ion	Ratio	Lower	Upper
266	100		
268	63.7	51.3	76.9
264	64.1	50.6	76.0

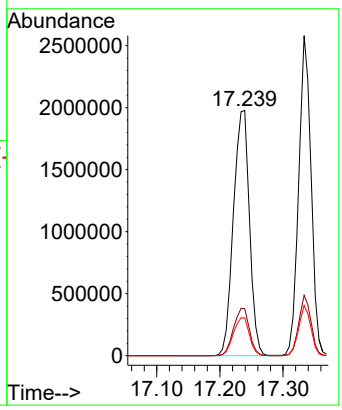




#71
Phenanthrene
Concen: 50.793 ng
RT: 17.239 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:178 Resp: 349774

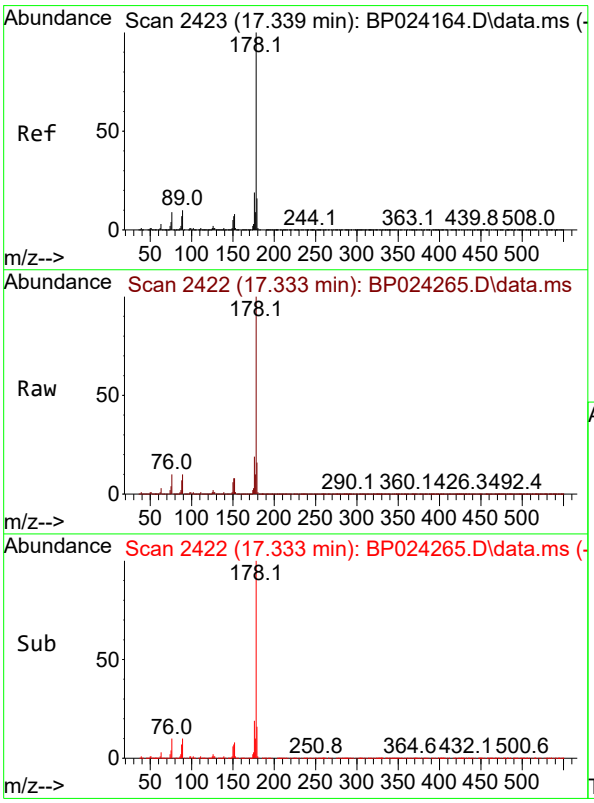
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.6	23.4
179	15.4	12.5	18.7



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

Manual Integrations
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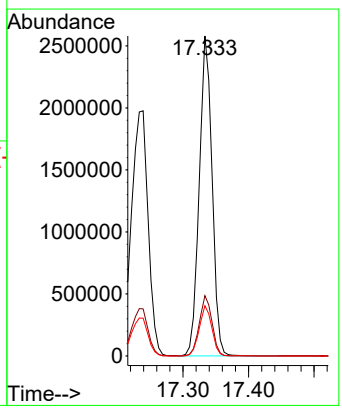
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

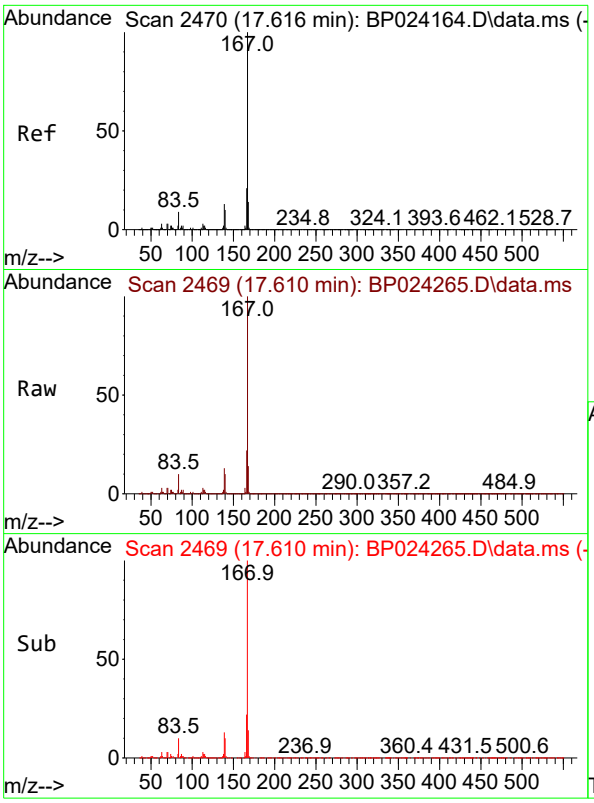


#72
Anthracene
Concen: 52.408 ng
RT: 17.333 min Scan# 2422
Delta R.T. 0.012 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:178 Resp: 3514990

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.2	22.8
179	15.7	12.6	18.8

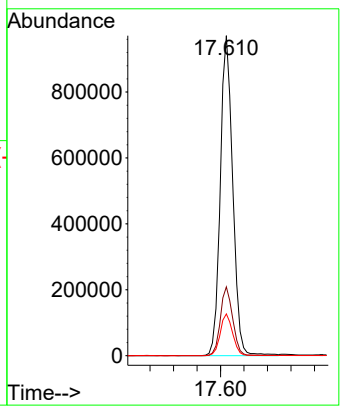




#73
Carbazole
Concen: 22.059 ng
RT: 17.610 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:167 Resp: 142676

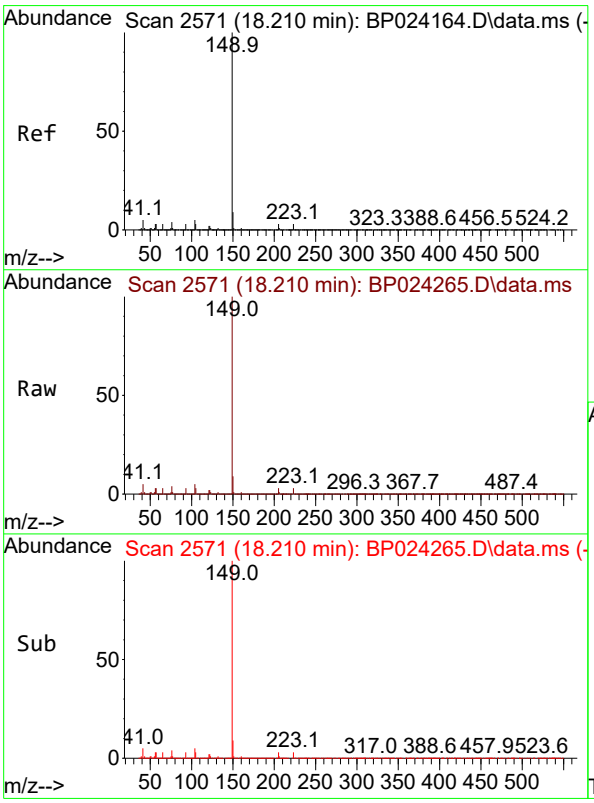
Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.1	25.7
139	13.1	10.2	15.4



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

Manual Integrations
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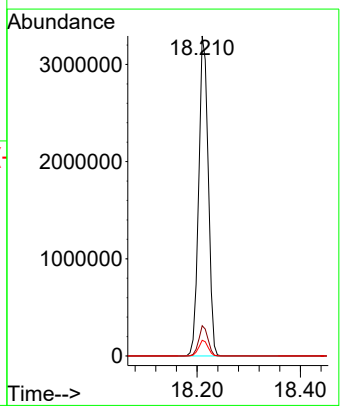
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

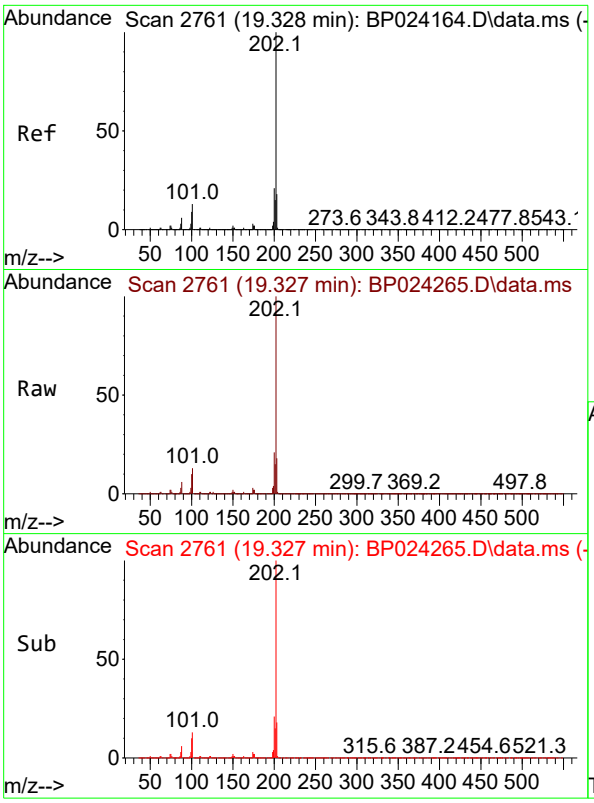


#74
Di-n-butylphthalate
Concen: 54.788 ng
RT: 18.210 min Scan# 2571
Delta R.T. 0.006 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:149 Resp: 4206804

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.6	11.4
104	4.9	3.9	5.9





#75
Fluoranthene
Concen: 53.879 ng
RT: 19.327 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

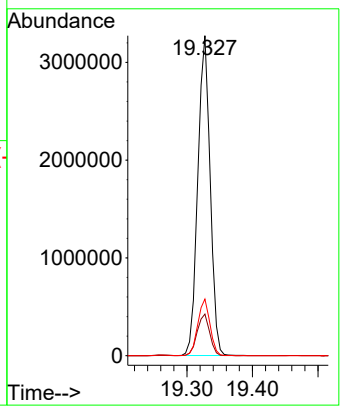
Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

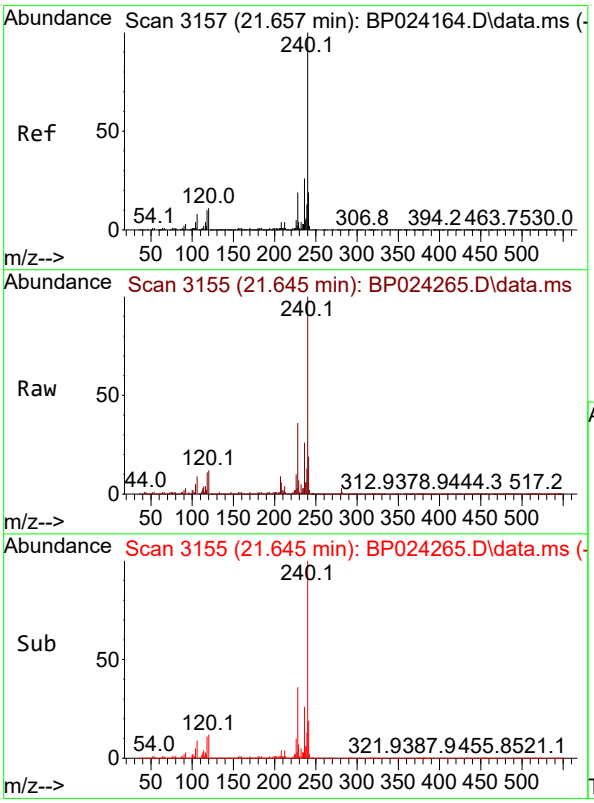
Tgt Ion:202 Resp: 429713

Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	32.5
203	17.7	0.0	37.9

Manual Integrations
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Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

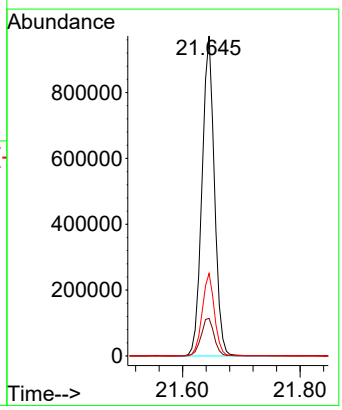


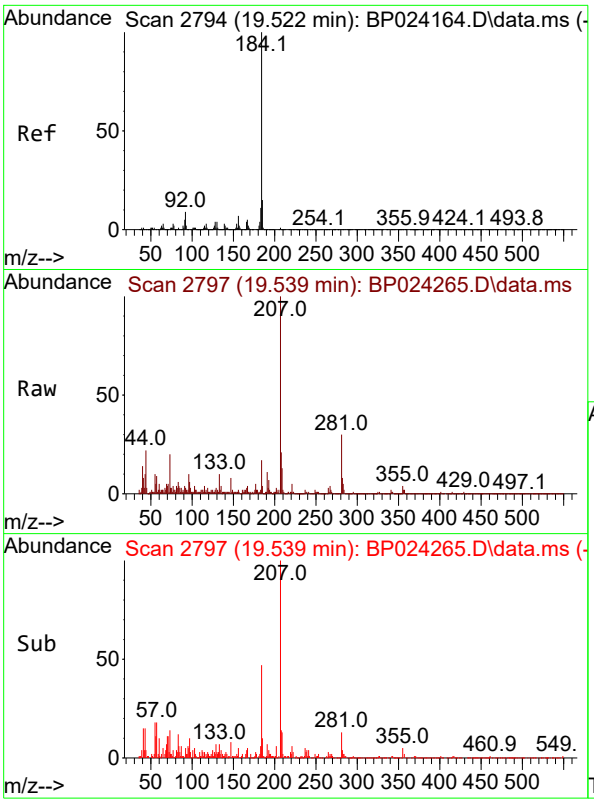


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.645 min Scan# 3155
Delta R.T. 0.000 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:240 Resp: 1426665

Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.2	13.8
236	25.8	20.4	30.6

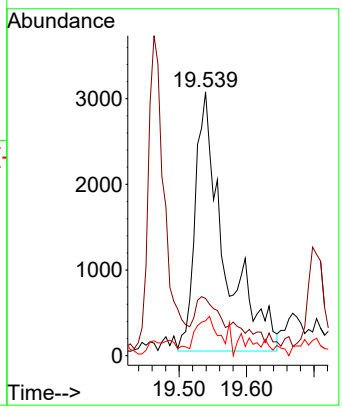




#77
Benzidine
Concen: 0.578 ng m
RT: 19.539 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:184 Resp: 901

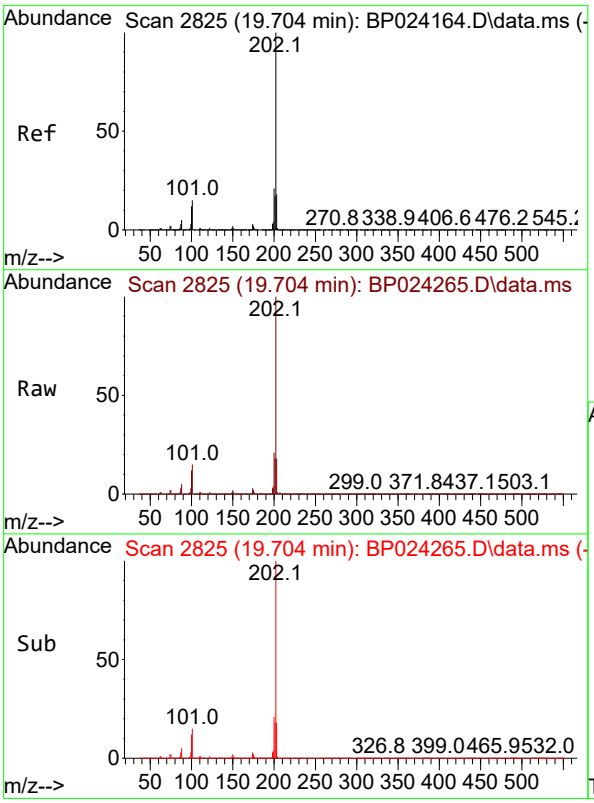
Ion	Ratio	Lower	Upper
184	100		
185	21.7	11.8	17.6
183	13.2	9.1	13.7



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

Manual Integrations
APPROVED

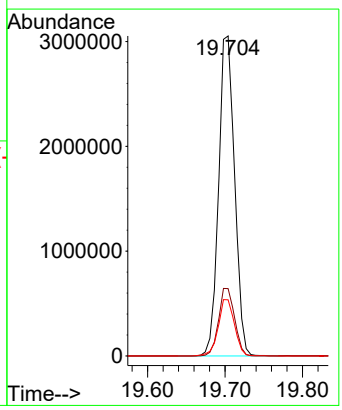
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

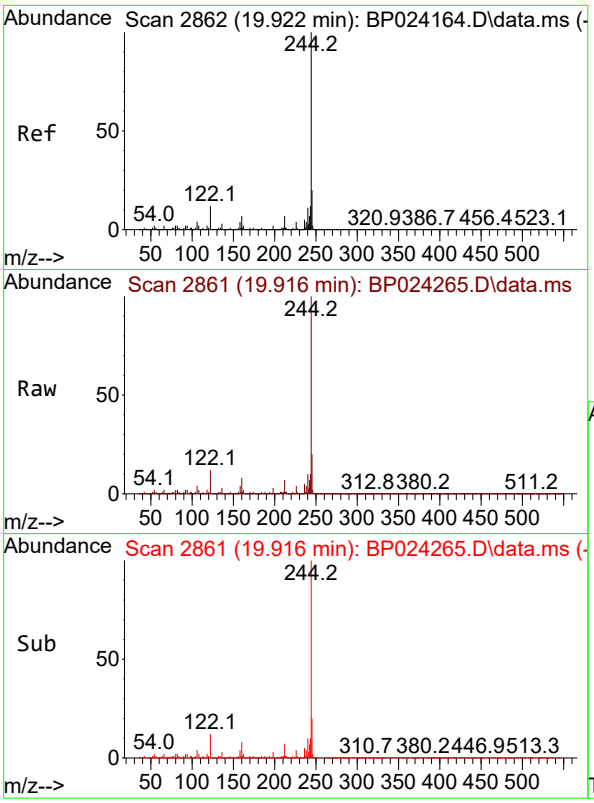


#78
Pyrene
Concen: 49.366 ng
RT: 19.704 min Scan# 2825
Delta R.T. 0.006 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:202 Resp: 4378542

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.1	25.7
203	17.6	14.2	21.4





#79
Terphenyl-d14
Concen: 105.191 ng
RT: 19.916 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

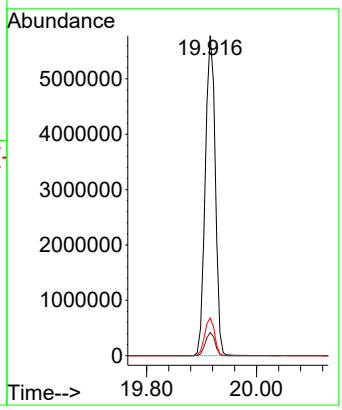
Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

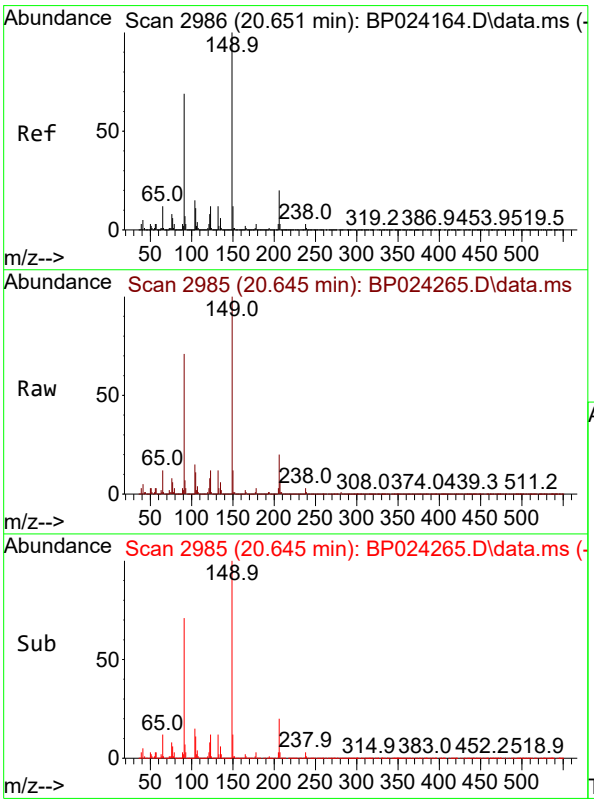
Tgt Ion:244 Resp: 727018

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.7	8.5
122	11.7	9.6	14.4

Manual Integrations
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Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

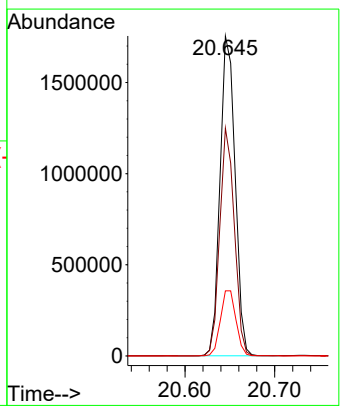


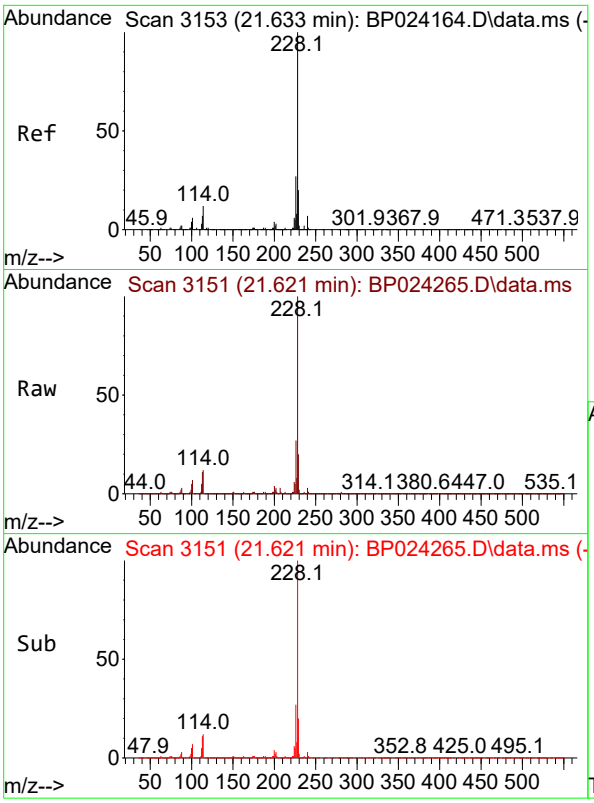


#80
Butylbenzylphthalate
Concen: 56.062 ng
RT: 20.645 min Scan# 2985
Delta R.T. 0.000 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:149 Resp: 2050522

Ion	Ratio	Lower	Upper
149	100		
91	71.2	55.3	82.9
206	20.3	16.1	24.1

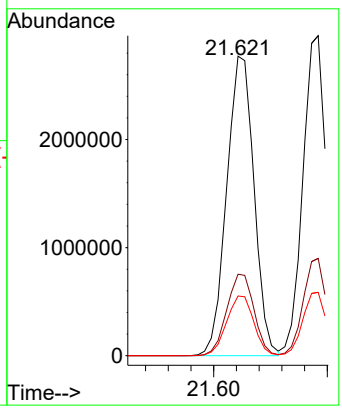




#81
Benzo(a)anthracene
Concen: 52.224 ng
RT: 21.621 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:228 Resp: 463225

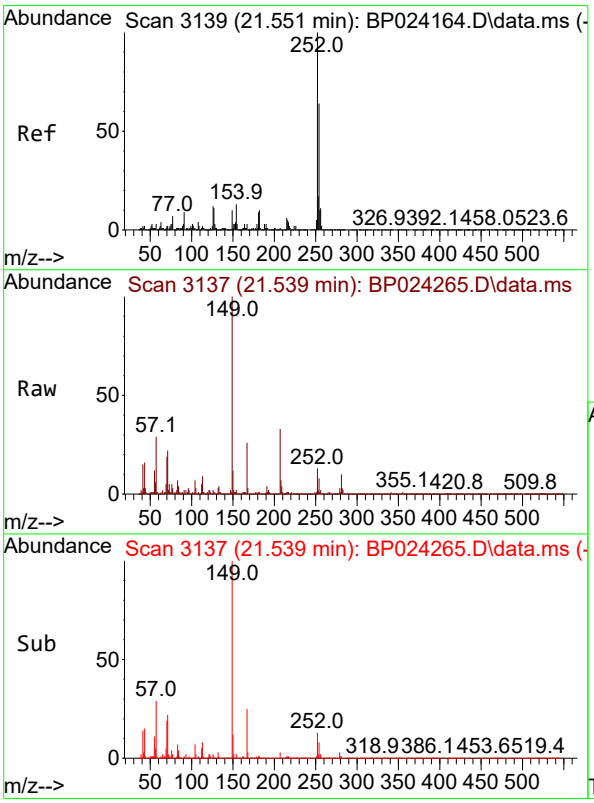
Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.8	32.8
229	19.9	16.0	24.0



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

Manual Integrations
APPROVED

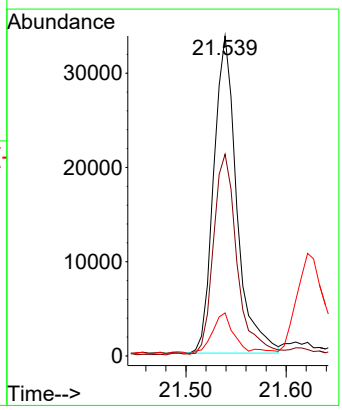
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

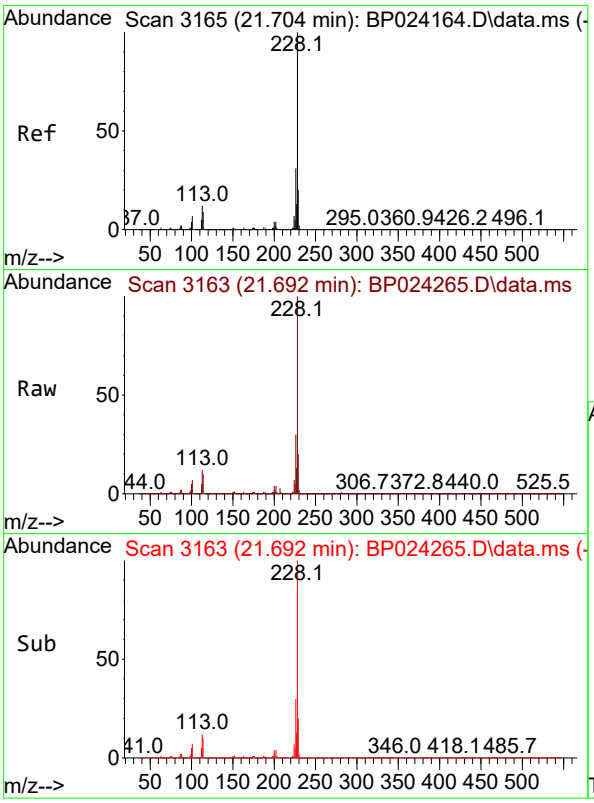


#82
3,3'-Dichlorobenzidine
Concen: 1.807 ng
RT: 21.539 min Scan# 3137
Delta R.T. 0.000 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:252 Resp: 53712

Ion	Ratio	Lower	Upper
252	100		
254	63.1	51.4	77.2
126	13.5	9.3	13.9





#83
Chrysene
Concen: 50.023 ng
RT: 21.692 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

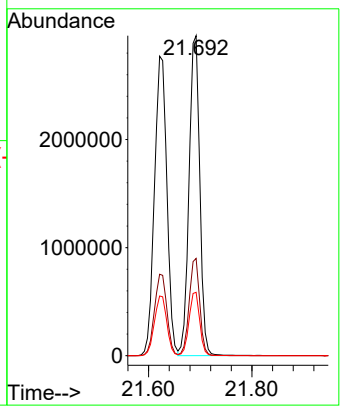
Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

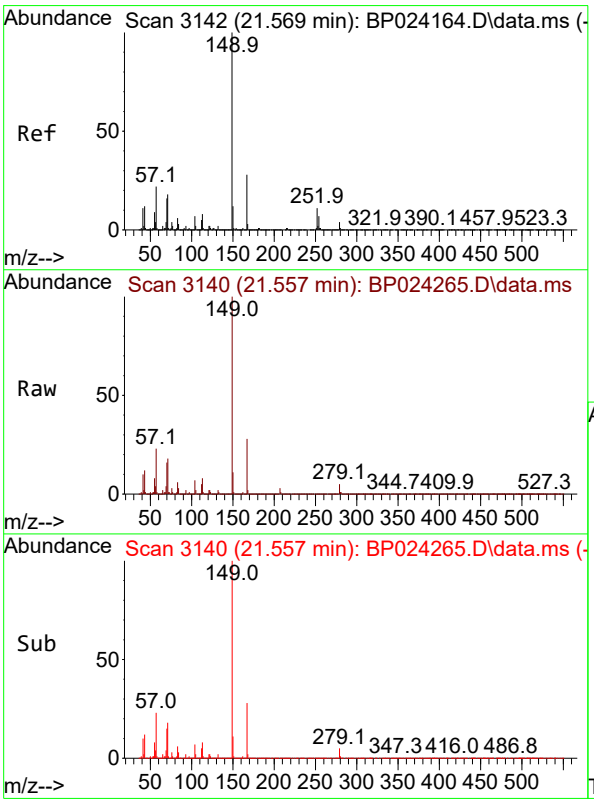
Tgt Ion:228 Resp: 426541

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.5	36.7
229	19.8	16.2	24.2

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

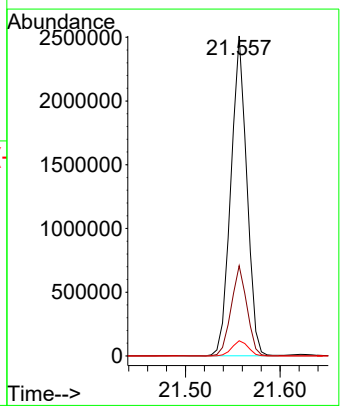


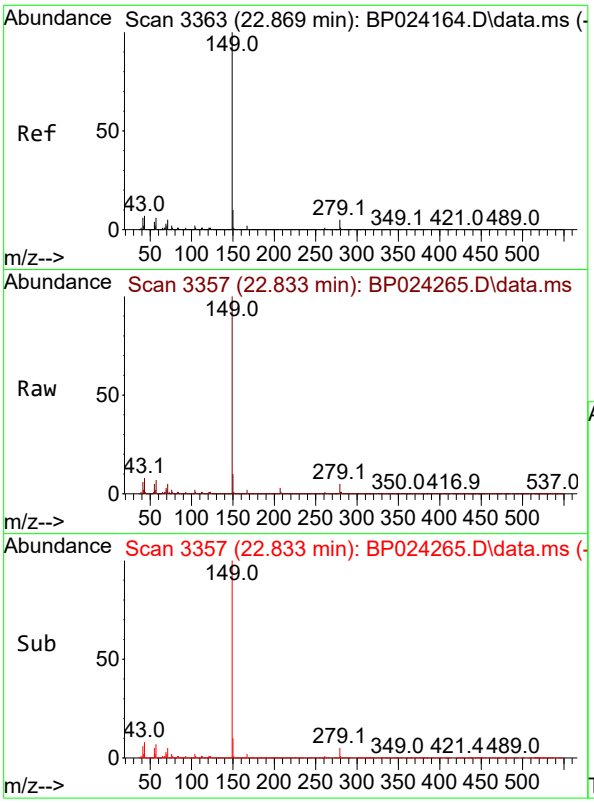


#84
Bis(2-ethylhexyl)phthalate
Concen: 53.306 ng
RT: 21.557 min Scan# 3140
Delta R.T. 0.000 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:149 Resp: 2941938

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.5	33.7
279	4.8	3.6	5.4





#85
Di-n-octyl phthalate
Concen: 56.242 ng
RT: 22.833 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

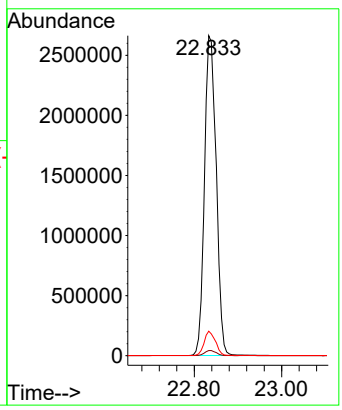
Tgt Ion:149 Resp: 497328

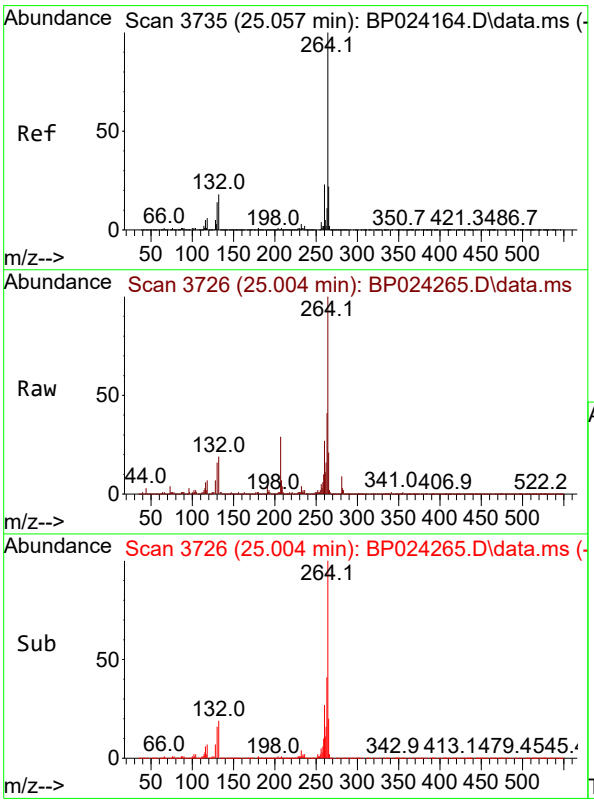
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.3	5.8	8.8

Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

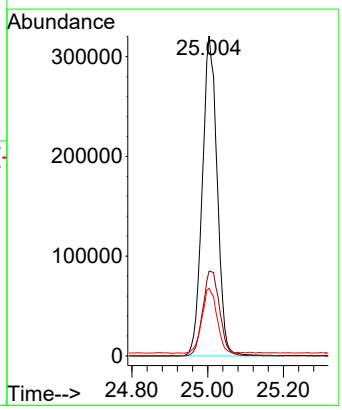


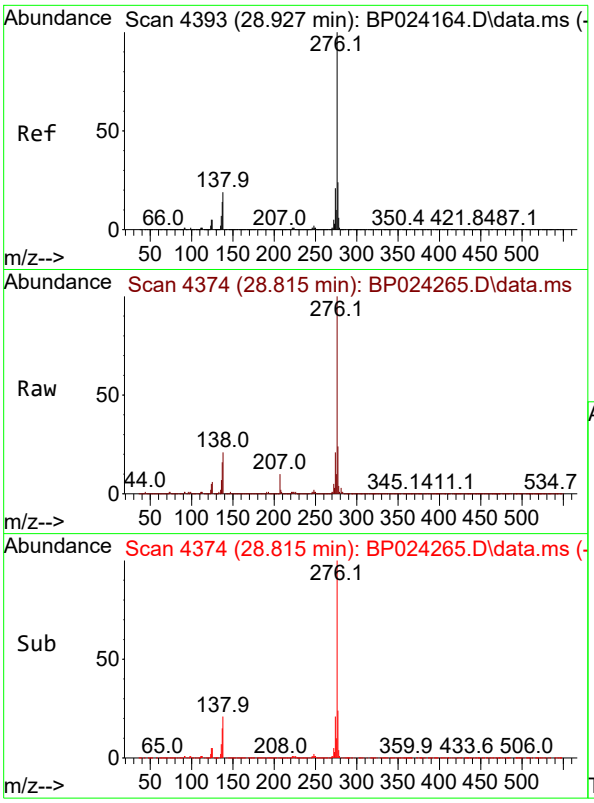


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.004 min Scan# 3726
Delta R.T. -0.006 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:264 Resp: 871094

Ion	Ratio	Lower	Upper
264	100		
260	26.5	18.5	27.7
265	21.1	17.7	26.5

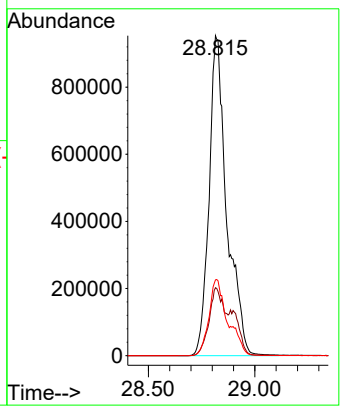




#87
Indeno(1,2,3-cd)pyrene
Concen: 90.837 ng
RT: 28.815 min Scan# 4
Delta R.T. -0.023 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:276 Resp: 552250

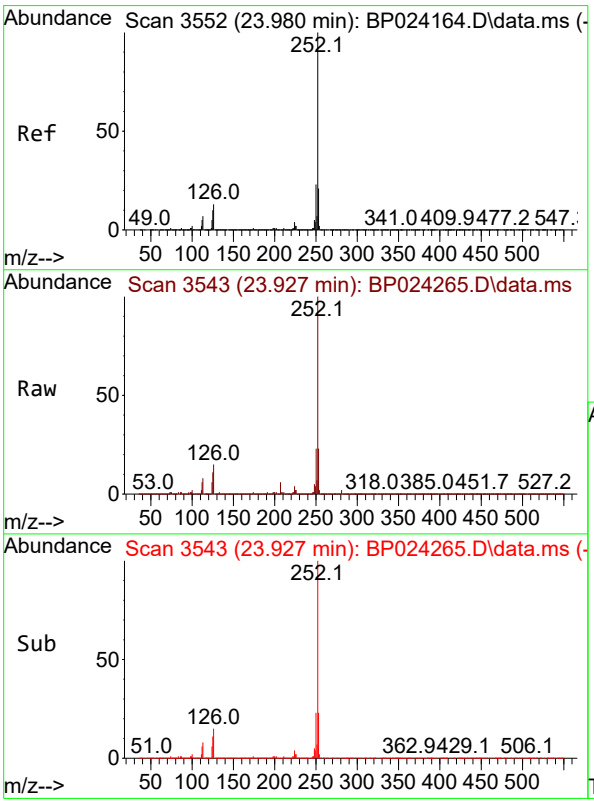
Ion	Ratio	Lower	Upper
276	100		
138	18.5	13.7	20.5
277	25.3	20.2	30.2



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

Manual Integrations
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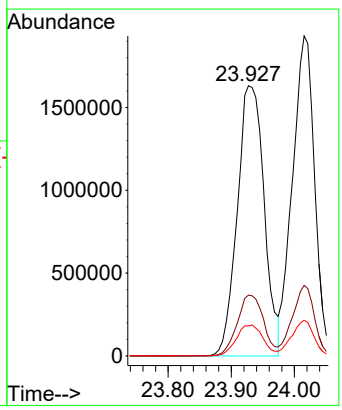
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

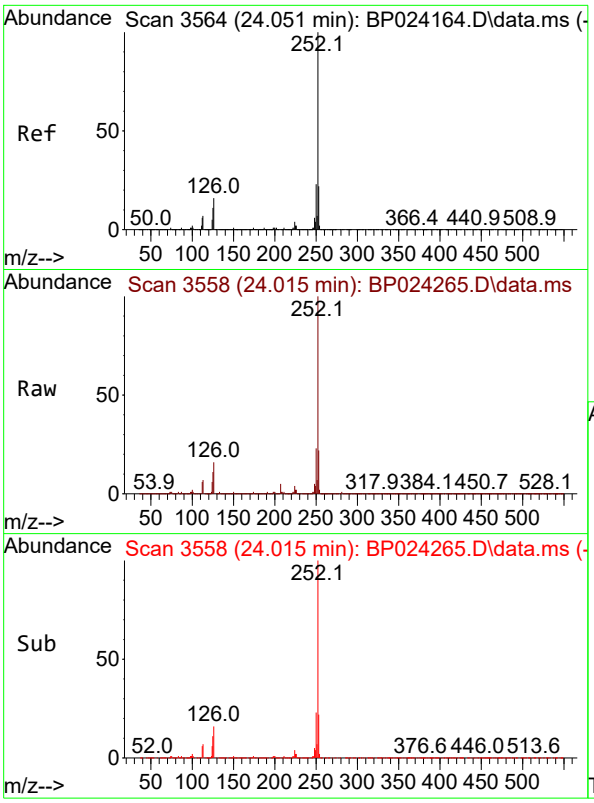


#88
Benzo(b)fluoranthene
Concen: 92.052 ng
RT: 23.927 min Scan# 3543
Delta R.T. -0.012 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:252 Resp: 4834705

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.2	25.8
125	11.1	8.2	12.4

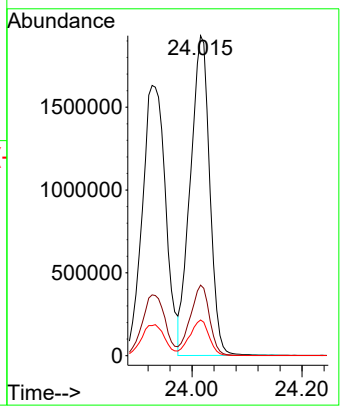




#89
Benzo(k)fluoranthene
Concen: 91.665 ng
RT: 24.015 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:252 Resp: 470937

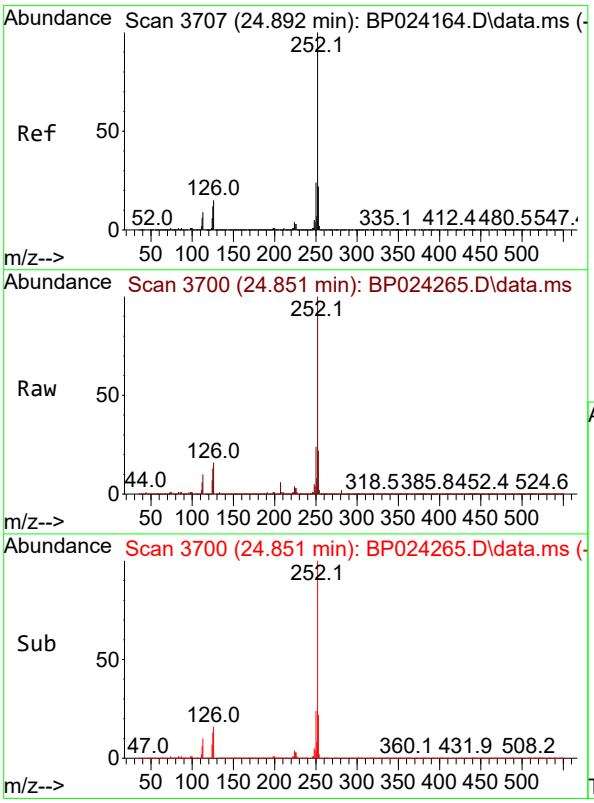
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.1	9.1	13.7



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

Manual Integrations
APPROVED

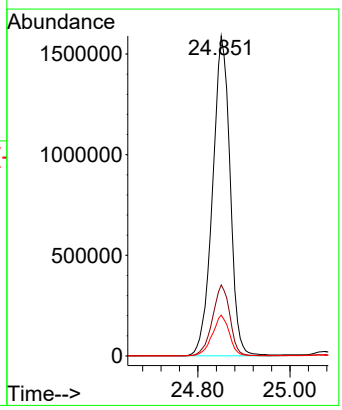
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

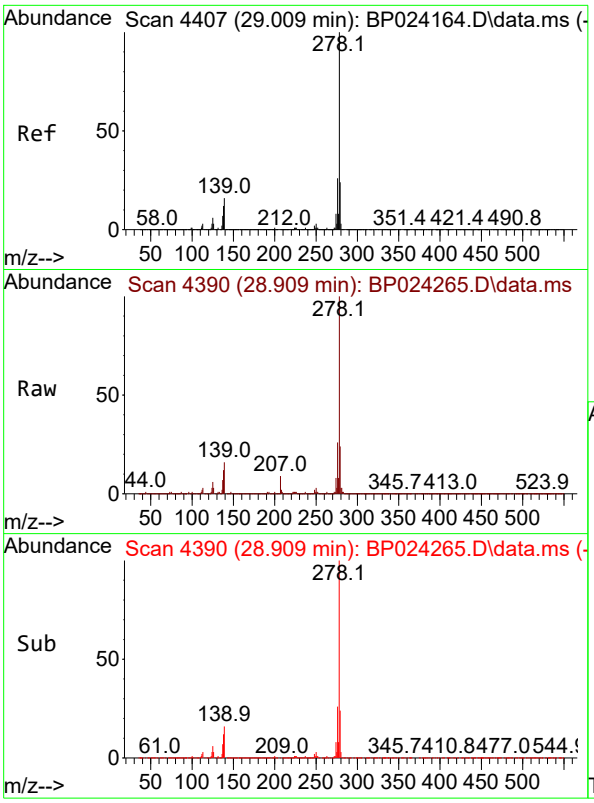


#90
Benzo(a)pyrene
Concen: 91.707 ng
RT: 24.851 min Scan# 3700
Delta R.T. 0.000 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:252 Resp: 4188367

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.0
125	12.7	9.6	14.4

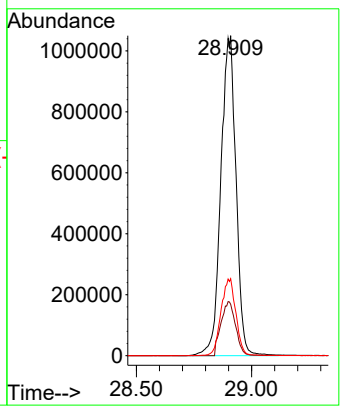




#91
Dibenzo(a,h)anthracene
Concen: 94.907 ng
RT: 28.909 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:278 Resp: 480030

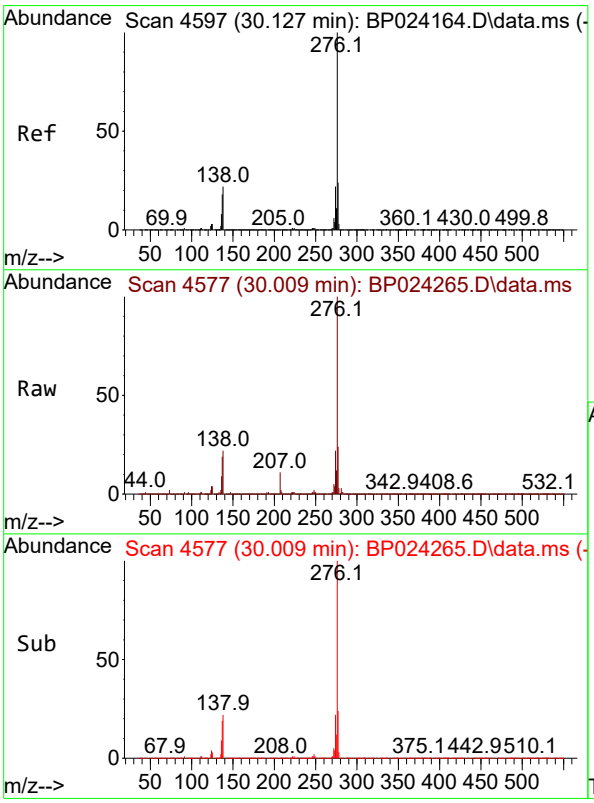
Ion	Ratio	Lower	Upper
278	100		
139	16.1	13.0	19.4
279	24.0	18.8	28.2



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMS

Manual Integrations
APPROVED

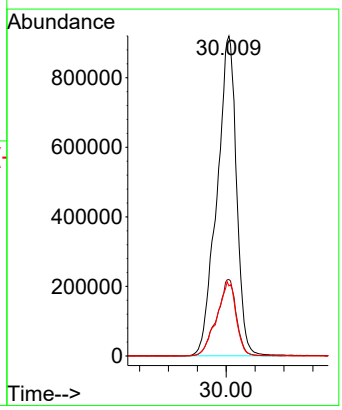
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025



#92
Benzo(g,h,i)perylene
Concen: 83.921 ng
RT: 30.009 min Scan# 4577
Delta R.T. 0.000 min
Lab File: BP024265.D
Acq: 11 Apr 2025 14:19

Tgt Ion:276 Resp: 4314856

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.2	28.8
138	21.9	17.4	26.2



Raw Data: **BP024266.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/08/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/08/25
Client Sample ID:	IB-1.5-WCMSD	SDG No.:	Q1744
Lab Sample ID:	Q1748-04MSD	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024266.D	1	04/09/25 13:25	04/11/25 15:00	PB167537

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	430		12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	400		5.30	50.0	ug/L
95-48-7	2-Methylphenol	490		11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	480		11.0	100	ug/L
67-72-1	Hexachloroethane	410		6.50	50.0	ug/L
98-95-3	Nitrobenzene	460		7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	430		5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	510		5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	530		6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	590		12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	480		5.20	50.0	ug/L
87-86-5	Pentachlorophenol	1100	E	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	144		15 (10) - 110 (139)	96%	SPK: 150
13127-88-3	Phenol-d6	130		15 (10) - 110 (134)	87%	SPK: 150
4165-60-0	Nitrobenzene-d5	103		30 (49) - 130 (133)	103%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.9		30 (52) - 130 (132)	94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	179	*	15 (44) - 110 (137)	119%	SPK: 150
1718-51-0	Terphenyl-d14	107		30 (48) - 130 (125)	107%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	263000	7.74			
1146-65-2	Naphthalene-d8	1020000	10.516			
15067-26-2	Acenaphthene-d10	626000	14.375			
1517-22-2	Phenanthrene-d10	1270000	17.175			
1719-03-5	Chrysene-d12	1350000	21.622			
1520-96-3	Perylene-d12	605000	24.98			

Raw Data: **BP024266.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/08/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/08/25
Client Sample ID:	IB-1.5-WCMSD	SDG No.:	Q1744
Lab Sample ID:	Q1748-04MSD	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024266.D	1	04/09/25 13:25	04/11/25 15:00	PB167537

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041125\
Data File : BP024266.D
Acq On : 11 Apr 2025 15:00
Operator : RC/JU
Sample : Q1748-04MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

Quant Time: Apr 11 15:25:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.740	152	263233	20.000	ng	0.00
21) Naphthalene-d8	10.516	136	1024669	20.000	ng	-0.01
39) Acenaphthene-d10	14.375	164	625891	20.000	ng	-0.02
64) Phenanthrene-d10	17.175	188	1269585	20.000	ng	-0.02
76) Chrysene-d12	21.622	240	1347511	20.000	ng	-0.02
86) Perylene-d12	24.980	264	604991	20.000	ng	#-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.358	112	2378846	144.257	ng	0.00
7) Phenol-d6	6.928	99	2868568	130.082	ng	0.00
23) Nitrobenzene-d5	8.887	82	1876741	103.338	ng	0.00
42) 2,4,6-Tribromophenol	15.887	330	1412322	179.140	ng	-0.01
45) 2-Fluorobiphenyl	12.987	172	3987446	93.940	ng	-0.01
79) Terphenyl-d14	19.898	244	6970849	106.785	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.311	88	250645	38.345	ng	# 76
3) Pyridine	3.705	79	766858	42.914	ng	97
4) n-Nitrosodimethylamine	3.605	42	251770	42.178	ng	100
6) Aniline	7.081	93	237669	11.829	ng	98
8) 2-Chlorophenol	7.316	128	815068	45.759	ng	99
9) Benzaldehyde	6.893	77	215811	20.279	ng	98
10) Phenol	6.952	94	939518	42.204	ng	99
11) bis(2-Chloroethyl)ether	7.169	93	747961	42.606	ng	99
12) 1,3-Dichlorobenzene	7.628	146	776529	40.427	ng	100
13) 1,4-Dichlorobenzene	7.775	146	791991	40.383	ng	99
14) 1,2-Dichlorobenzene	8.087	146	774610	41.158	ng	99
15) Benzyl Alcohol	7.981	79	451523	32.342	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.263	45	816372	45.563	ng	97
17) 2-Methylphenol	8.181	107	677807	48.555	ng	99
18) Hexachloroethane	8.810	117	283685	40.771	ng	98
19) n-Nitroso-di-n-propyla...	8.540	70	563783	44.069	ng	99
20) 3+4-Methylphenols	8.505	107	925546	48.259	ng	98
22) Acetophenone	8.552	105	1159395	44.754	ng	99
24) Nitrobenzene	8.928	77	832032	46.441	ng	99
25) Isophorone	9.452	82	1593180	51.176	ng	99
26) 2-Nitrophenol	9.634	139	421515	49.255	ng	99
27) 2,4-Dimethylphenol	9.699	122	774521	70.384	ng	98
28) bis(2-Chloroethoxy)met...	9.928	93	923700	42.176	ng	100
29) 2,4-Dichlorophenol	10.169	162	741080	49.783	ng	98
30) 1,2,4-Trichlorobenzene	10.375	180	719976	43.776	ng	99
31) Naphthalene	10.563	128	2358188	43.416	ng	100
32) Benzoic acid	9.840	122	540827	50.394	ng	97
33) 4-Chloroaniline	10.681	127	107792	5.545	ng	97
34) Hexachlorobutadiene	10.851	225	411310	43.454	ng	98
35) Caprolactam	11.469	113	251034	51.454	ng	99
36) 4-Chloro-3-methylphenol	11.810	107	858833	53.480	ng	99
37) 2-Methylnaphthalene	12.181	142	1509811	41.145	ng	100
38) 1-Methylnaphthalene	12.398	142	1590749	44.570	ng	99
40) 1,2,4,5-Tetrachloroben...	12.546	216	801448	44.297	ng	98
41) Hexachlorocyclopentadiene	12.528	237	1101971	168.968	ng	98
43) 2,4,6-Trichlorophenol	12.793	196	590161	51.326	ng	99

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Data File : BP024266.D
Acq On : 11 Apr 2025 15:00
Operator : RC/JU
Sample : Q1748-04MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 11 15:25:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.869	196	671811	53.277	ng	98
46) 1,1'-Biphenyl	13.198	154	2147562	45.661	ng	100
47) 2-Chloronaphthalene	13.240	162	1635181	46.222	ng	99
48) 2-Nitroaniline	13.445	65	476163	52.624	ng	98
49) Acenaphthylene	14.092	152	2754375	51.456	ng	100
50) Dimethylphthalate	13.834	163	2208995	50.440	ng	99
51) 2,6-Dinitrotoluene	13.945	165	492069	53.401	ng	99
52) Acenaphthene	14.440	154	1612157	47.138	ng	99
53) 3-Nitroaniline	14.281	138	141326	14.200	ng	95
54) 2,4-Dinitrophenol	14.492	184	664698	136.328	ng	96
55) Dibenzofuran	14.781	168	2534651	45.752	ng	97
56) 4-Nitrophenol	14.610	139	993078	119.418	ng	98
57) 2,4-Dinitrotoluene	14.751	165	715143	58.755	ng	98
58) Fluorene	15.439	166	2100315	48.659	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.016	232	588377	52.813	ng	98
60) Diethylphthalate	15.216	149	2190498	50.227	ng	100
61) 4-Chlorophenyl-phenyle...	15.434	204	1013792	47.887	ng	97
62) 4-Nitroaniline	15.463	138	363825	34.855	ng	100
63) Azobenzene	15.734	77	1979228	48.150	ng	99
65) 4,6-Dinitro-2-methylph...	15.528	198	416210	55.222	ng	95
66) n-Nitrosodiphenylamine	15.651	169	945302	24.520	ng	99
67) 4-Bromophenyl-phenylether	16.345	248	663399	47.593	ng	99
68) Hexachlorobenzene	16.469	284	787040	47.705	ng	99
69) Atrazine	16.628	200	114541	12.309	ng	99
70) Pentachlorophenol	16.816	266	1182455	110.830	ng	99
71) Phenanthrene	17.216	178	3402535	49.058	ng	99
72) Anthracene	17.310	178	3403799	50.389	ng	99
73) Carbazole	17.592	167	1148669	17.633	ng	100
74) Di-n-butylphthalate	18.180	149	3940573	50.956	ng	100
75) Fluoranthene	19.298	202	4021865	50.069	ng	99
77) Benzidine	19.510	184	31788m	2.158	ng	
78) Pyrene	19.680	202	4077965	48.678	ng	100
80) Butylbenzylphthalate	20.633	149	1859078	53.813	ng	98
81) Benzo(a)anthracene	21.604	228	4178675	49.878	ng	100
82) 3,3'-Dichlorobenzidine	21.527	252	93478	3.329	ng	97
83) Chrysene	21.674	228	3955205	49.110	ng	99
84) Bis(2-ethylhexyl)phtha...	21.539	149	2655288	50.938	ng	100
85) Di-n-octyl phthalate	22.827	149	4511896	54.022	ng	100
87) Indeno(1,2,3-cd)pyrene	28.792	276	4539854m	107.519	ng	
88) Benzo(b)fluoranthene	23.915	252	4459795	122.262	ng	99
89) Benzo(k)fluoranthene	23.992	252	4191765	117.477	ng	99
90) Benzo(a)pyrene	24.833	252	3444003	108.577	ng	99
91) Dibenzo(a,h)anthracene	28.892	278	4286090	122.013	ng	99
92) Benzo(g,h,i)perylene	29.986	276	3479023	97.427	ng	100

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

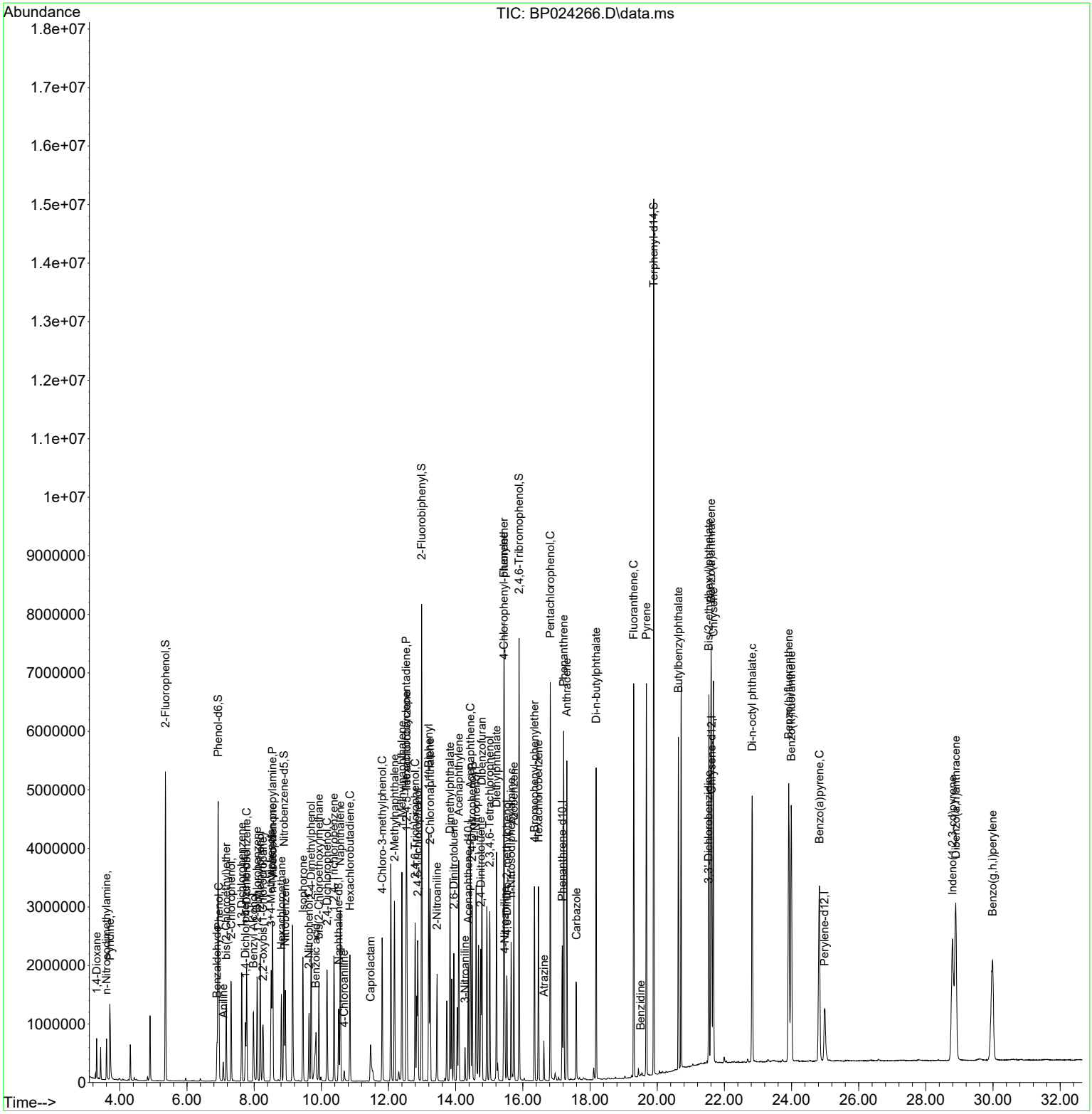
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Acq On : 11 Apr 2025 15:00
Operator : RC/JU
Sample : Q1748-04MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

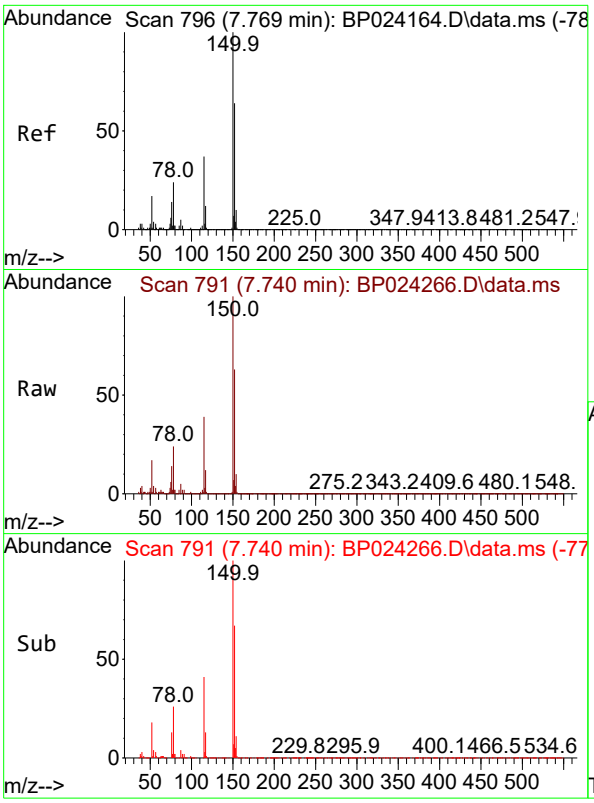
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 10 11:43:37 2025
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

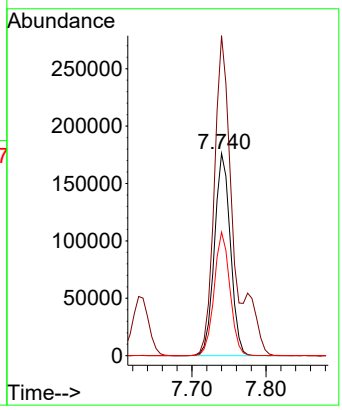




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.740 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:152 Resp: 26323

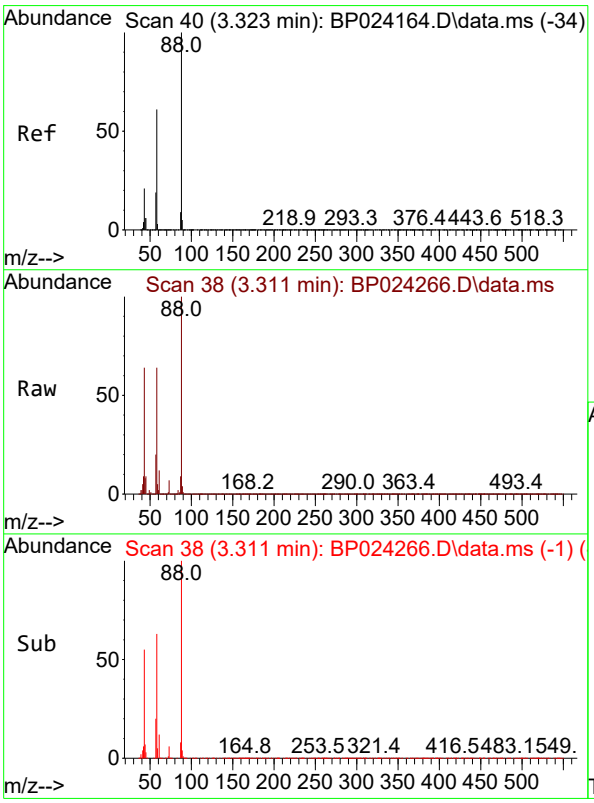
Ion	Ratio	Lower	Upper
152	100		
150	158.2	125.5	188.3
115	61.1	46.3	69.5



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations
APPROVED

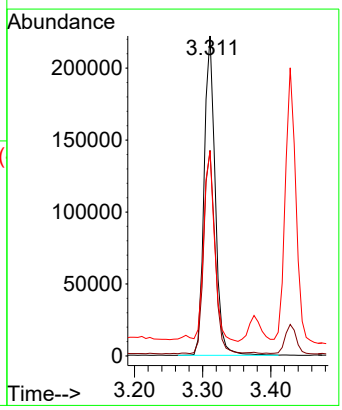
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

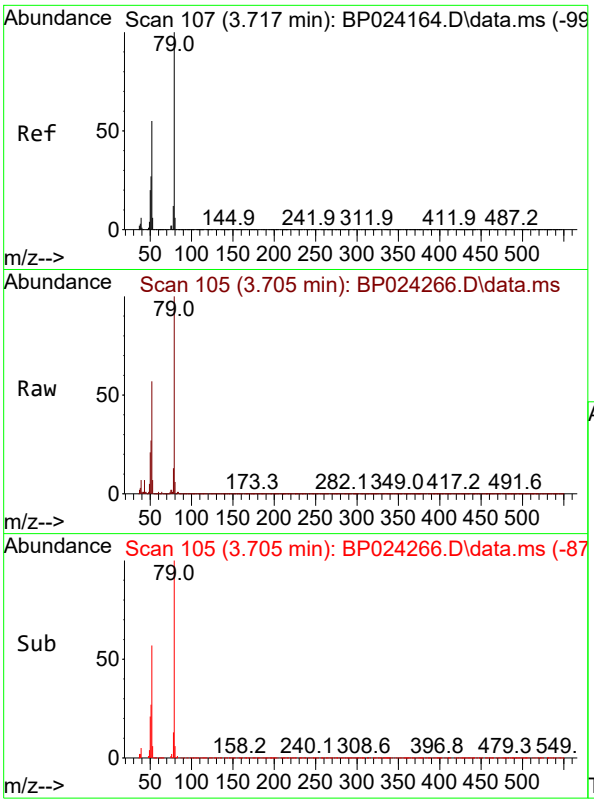


#2
1,4-Dioxane
Concen: 38.345 ng
RT: 3.311 min Scan# 38
Delta R.T. 0.006 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion: 88 Resp: 250645

Ion	Ratio	Lower	Upper
88	100		
58	64.8	49.8	74.6
43	60.2	17.3	25.9#

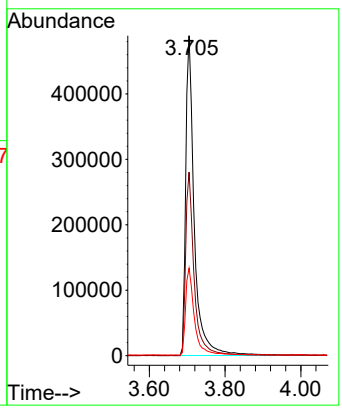




#3
Pyridine
Concen: 42.914 ng
RT: 3.705 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion: 79 Resp: 76685

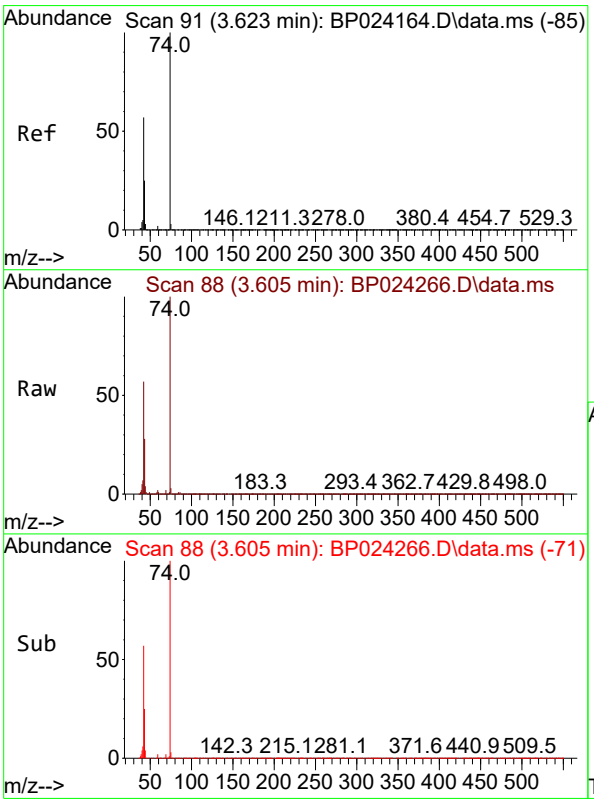
Ion	Ratio	Lower	Upper
79	100		
52	57.4	43.8	65.8
51	27.4	21.6	32.4



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations
APPROVED

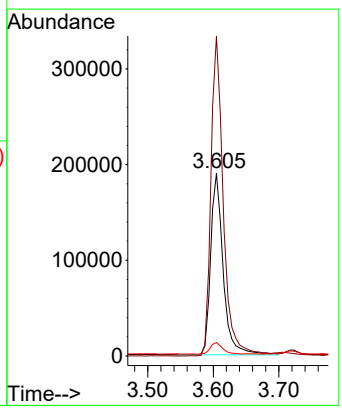
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

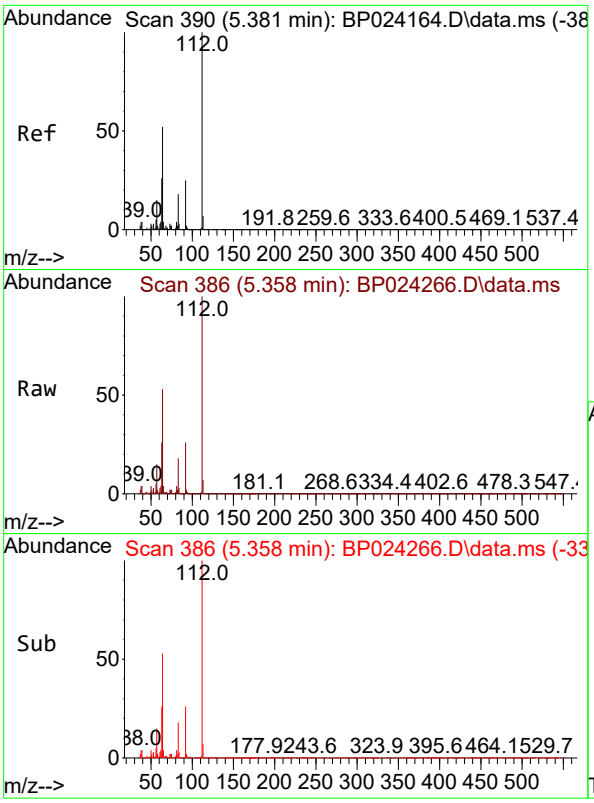


#4
n-Nitrosodimethylamine
Concen: 42.178 ng
RT: 3.605 min Scan# 88
Delta R.T. 0.000 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion: 42 Resp: 251770

Ion	Ratio	Lower	Upper
42	100		
74	175.3	139.8	209.6
44	7.3	5.3	7.9

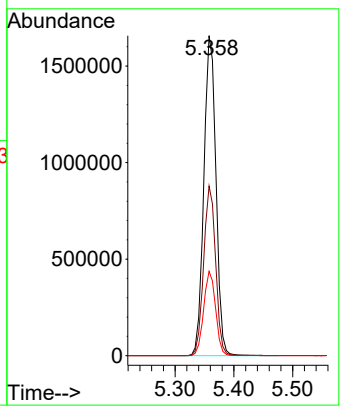




#5
2-Fluorophenol
Concen: 144.257 ng
RT: 5.358 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:112 Resp: 237884

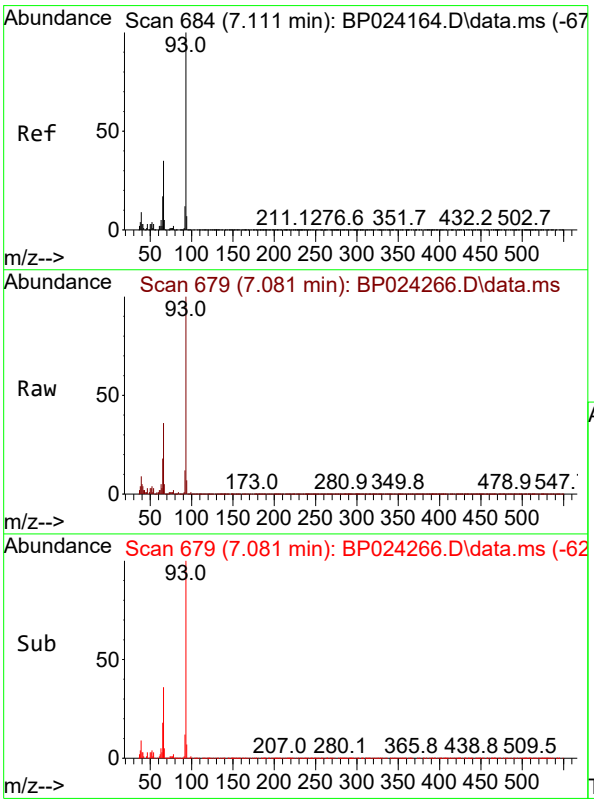
Ion	Ratio	Lower	Upper
112	100		
64	53.0	41.3	61.9
63	26.4	20.6	31.0



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations
APPROVED

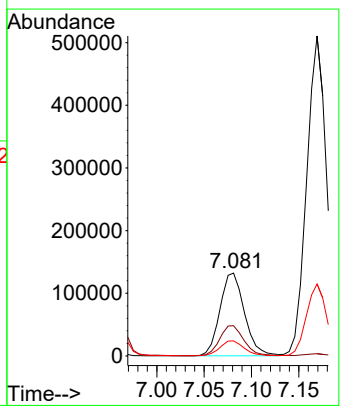
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

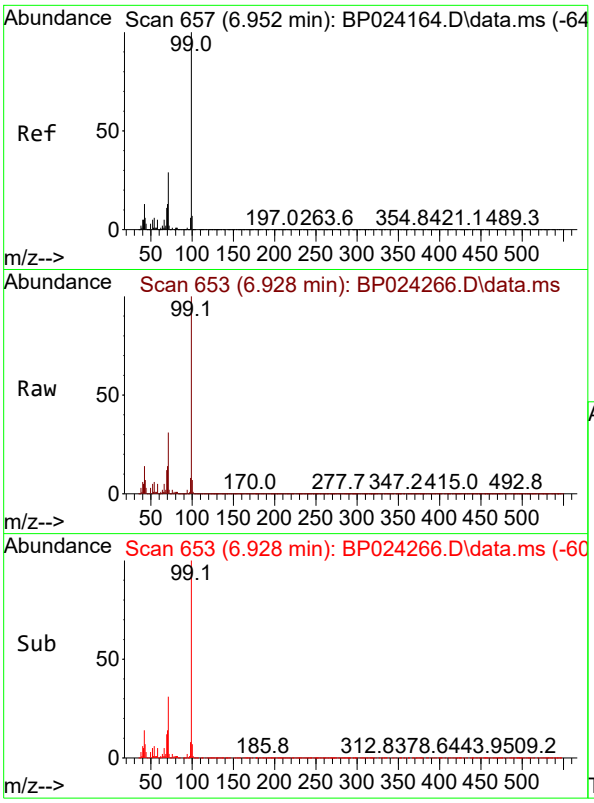


#6
Aniline
Concen: 11.829 ng
RT: 7.081 min Scan# 679
Delta R.T. 0.000 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion: 93 Resp: 237669

Ion	Ratio	Lower	Upper
93	100		
66	36.4	28.2	42.2
65	18.3	14.0	21.0

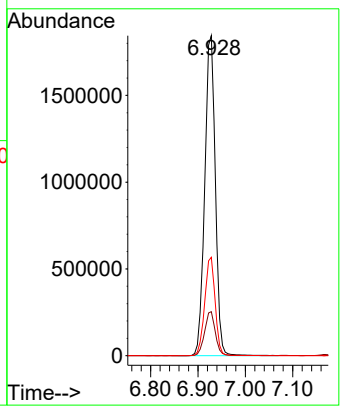




#7
Phenol-d6
Concen: 130.082 ng
RT: 6.928 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion: 99 Resp: 286856

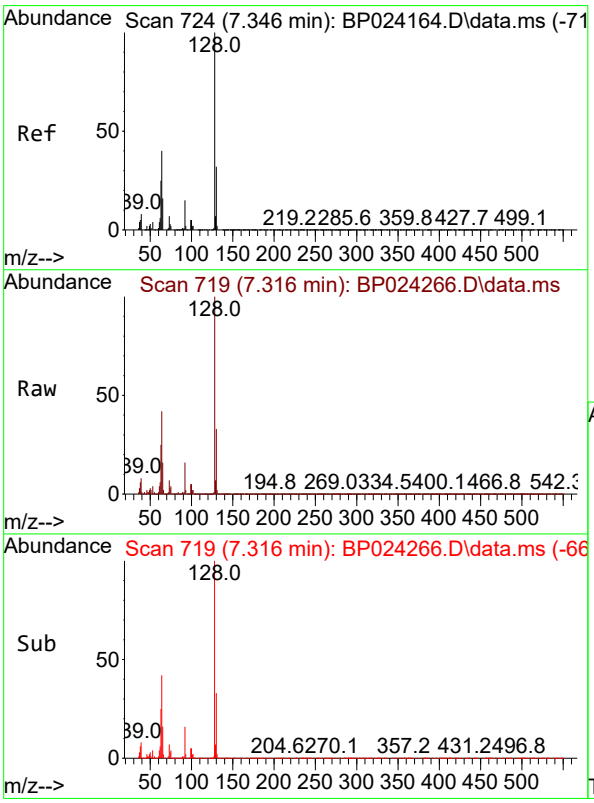
Ion	Ratio	Lower	Upper
99	100		
42	13.7	10.6	16.0
71	30.8	23.3	34.9



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations
APPROVED

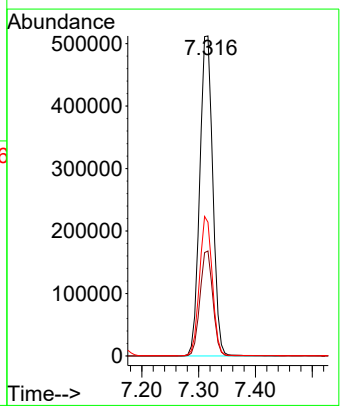
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

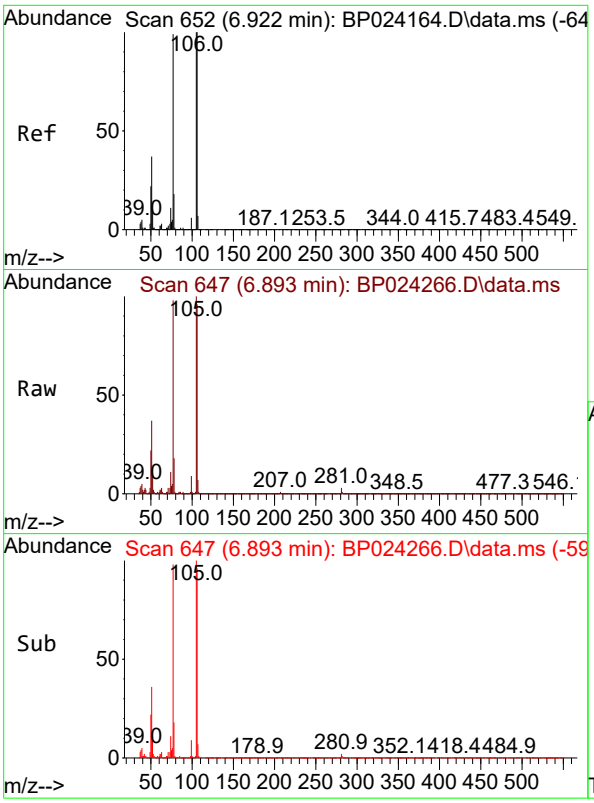


#8
2-Chlorophenol
Concen: 45.759 ng
RT: 7.316 min Scan# 719
Delta R.T. 0.000 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:128 Resp: 815068

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.0	52.0
64	41.8	21.6	61.6

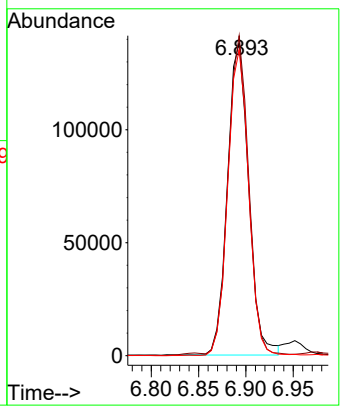




#9
Benzaldehyde
Concen: 20.279 ng
RT: 6.893 min Scan# 64
Delta R.T. -0.006 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion: 77 Resp: 21581

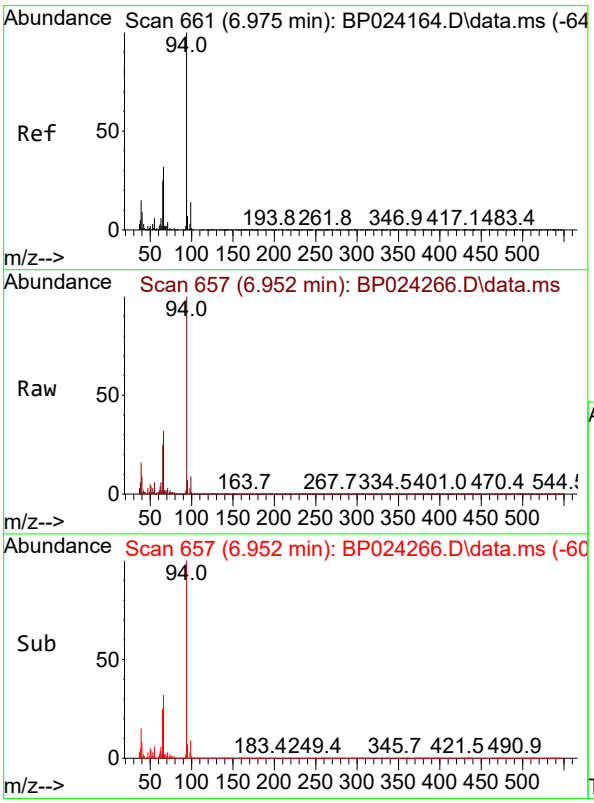
Ion	Ratio	Lower	Upper
77	100		
105	102.3	81.4	121.4
106	97.8	81.1	121.1



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations
APPROVED

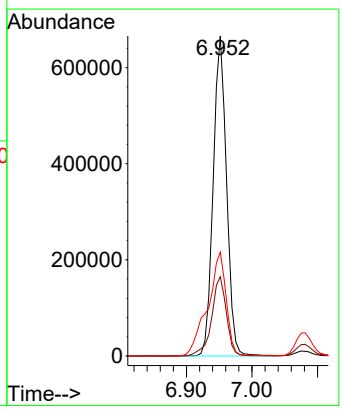
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

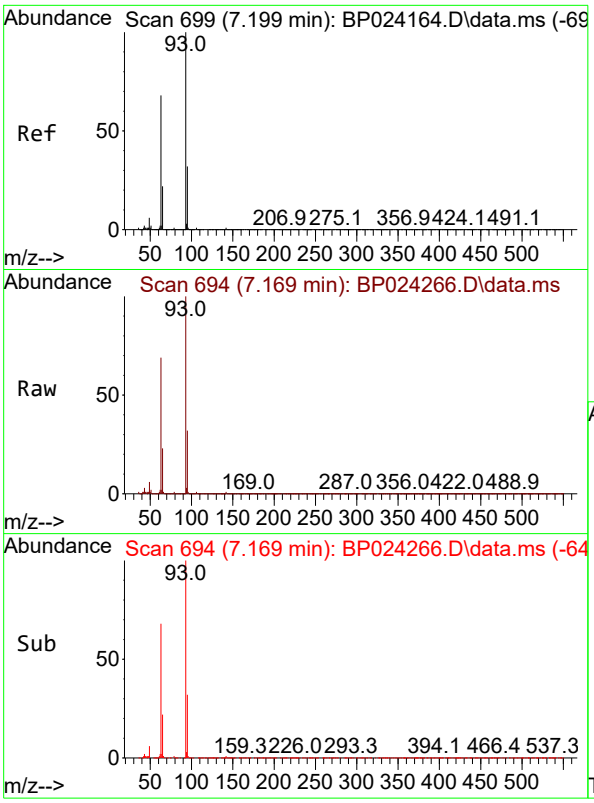


#10
Phenol
Concen: 42.204 ng
RT: 6.952 min Scan# 657
Delta R.T. -0.006 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion: 94 Resp: 939518

Ion	Ratio	Lower	Upper
94	100		
65	24.8	4.9	44.9
66	32.5	11.9	51.9

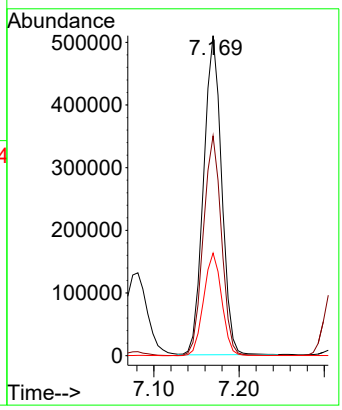




#11
bis(2-Chloroethyl)ether
Concen: 42.606 ng
RT: 7.169 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion: 93 Resp: 74796

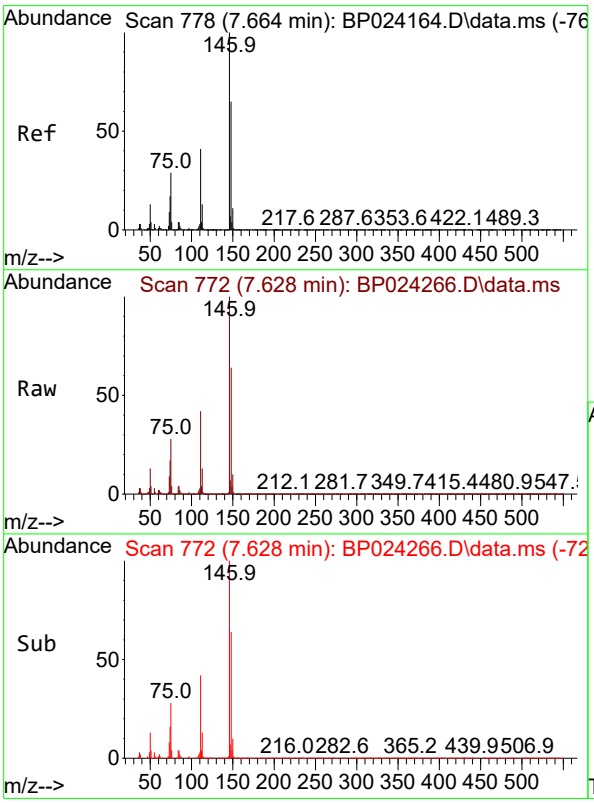
Ion	Ratio	Lower	Upper
93	100		
63	68.7	47.4	87.4
95	32.0	12.1	52.1



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations
APPROVED

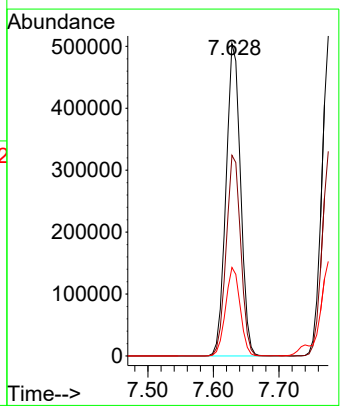
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

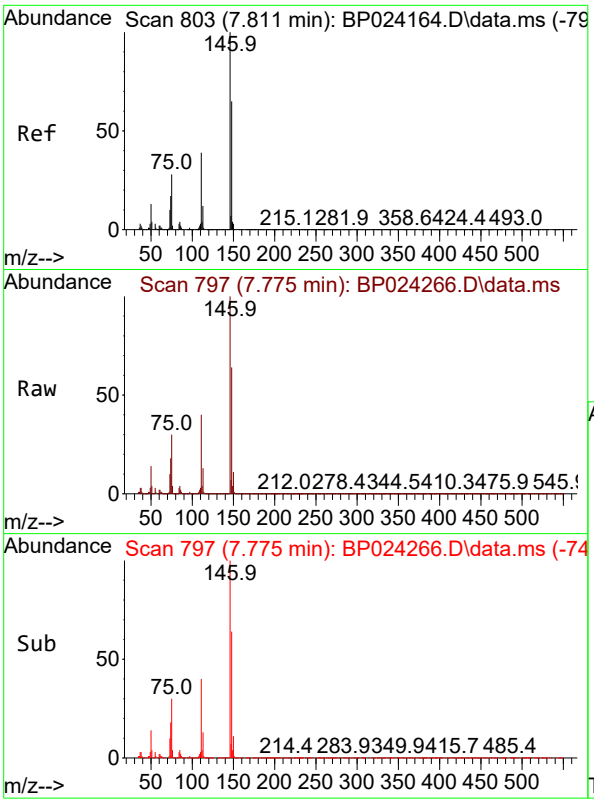


#12
1,3-Dichlorobenzene
Concen: 40.427 ng
RT: 7.628 min Scan# 772
Delta R.T. -0.006 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:146 Resp: 776529

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.6	77.4
75	28.3	22.8	34.2

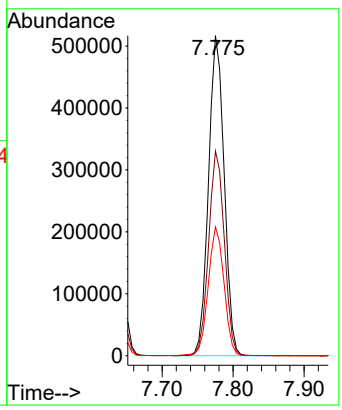




#13
1,4-Dichlorobenzene
Concen: 40.383 ng
RT: 7.775 min Scan# 7
Delta R.T. -0.006 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:146 Resp: 79199

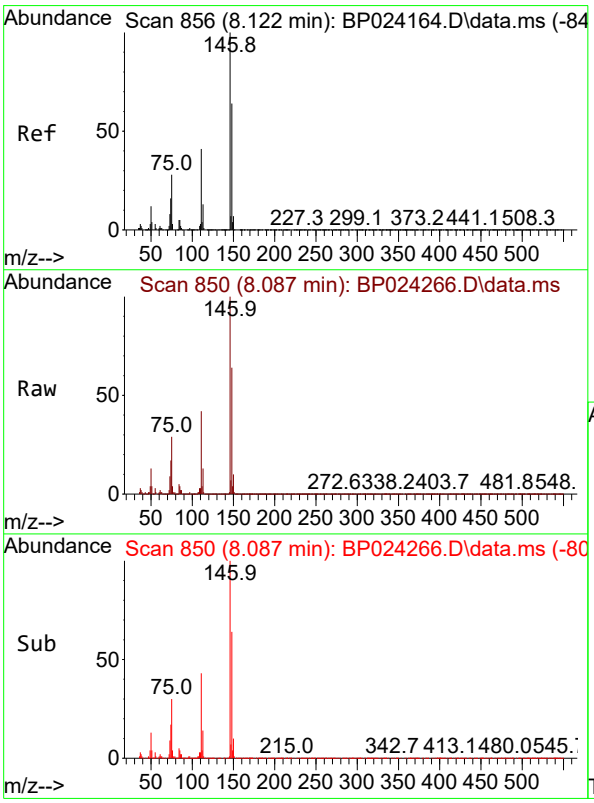
Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.9	77.9
111	40.3	31.4	47.2



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations
APPROVED

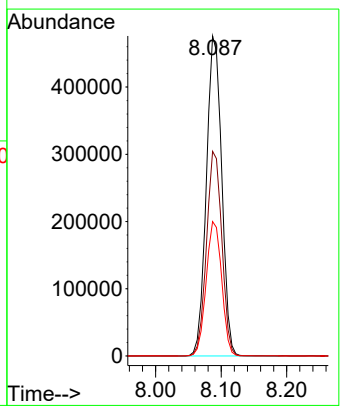
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

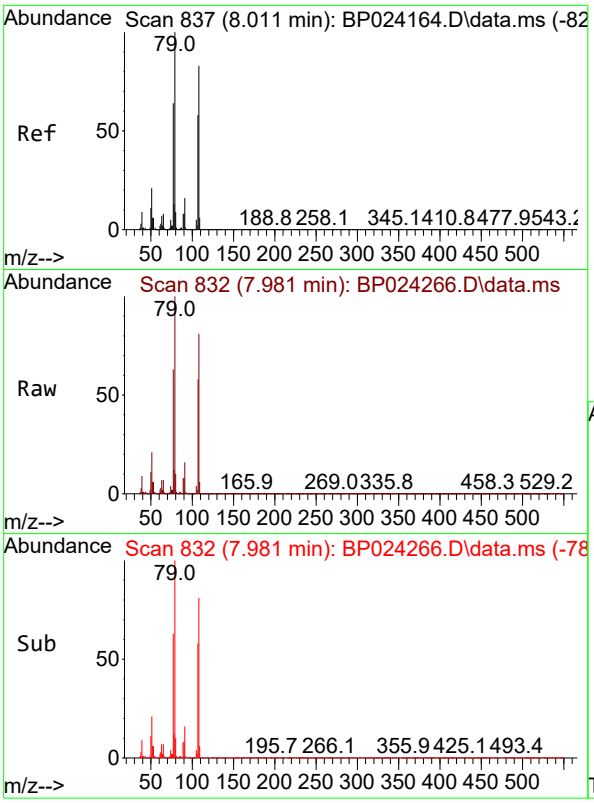


#14
1,2-Dichlorobenzene
Concen: 41.158 ng
RT: 8.087 min Scan# 850
Delta R.T. -0.012 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:146 Resp: 774610

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.4	77.2
111	42.0	33.2	49.8

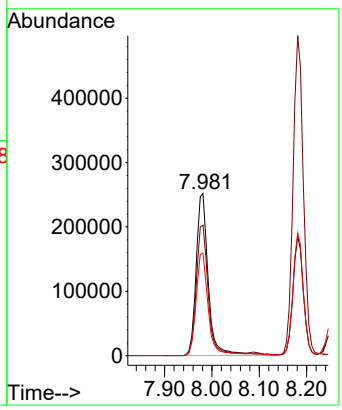




#15
Benzyl Alcohol
Concen: 32.342 ng
RT: 7.981 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion: 79 Resp: 45152

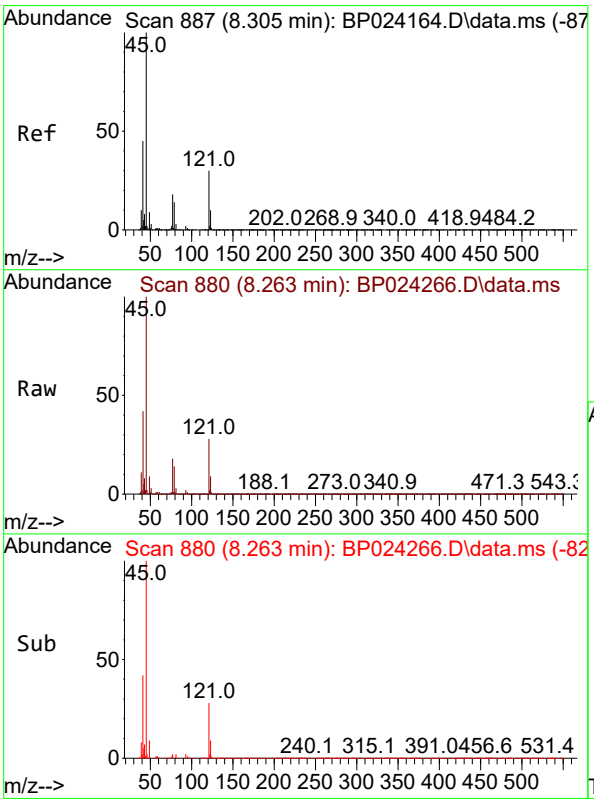
Ion	Ratio	Lower	Upper
79	100		
108	80.5	66.5	99.7
77	63.3	50.9	76.3



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations
APPROVED

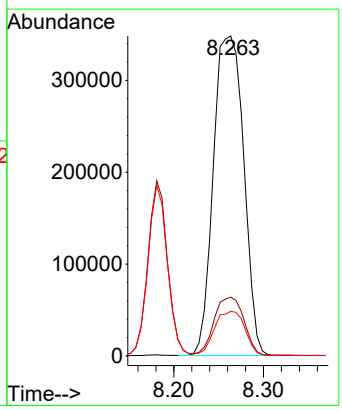
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

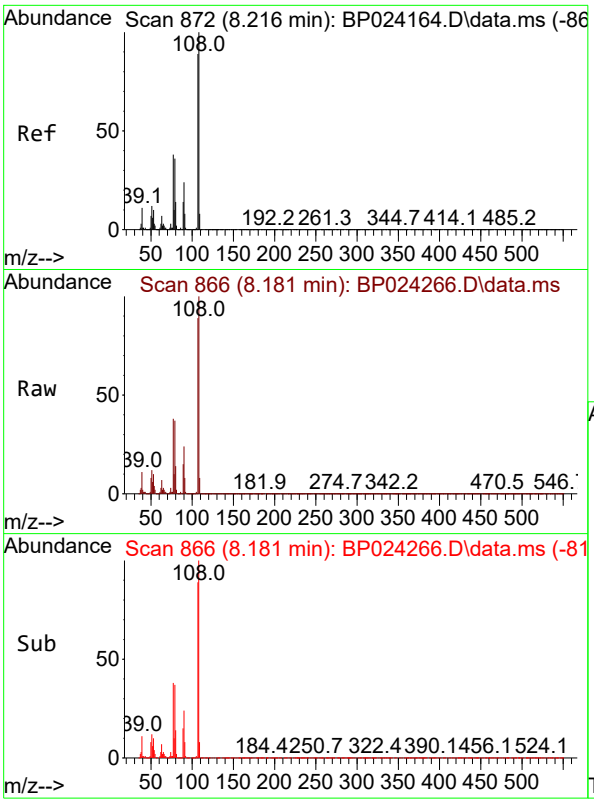


#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.563 ng
RT: 8.263 min Scan# 880
Delta R.T. 0.000 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion: 45 Resp: 816372

Ion	Ratio	Lower	Upper
45	100		
77	18.4	0.0	39.0
79	13.9	0.0	35.6

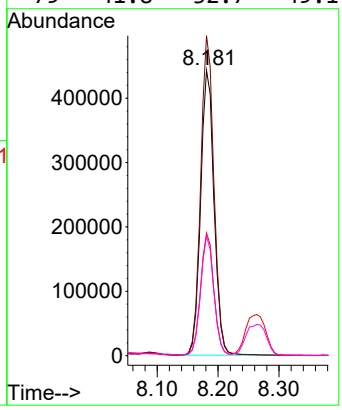




#17
2-Methylphenol
Concen: 48.555 ng
RT: 8.181 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:107 Resp: 67780

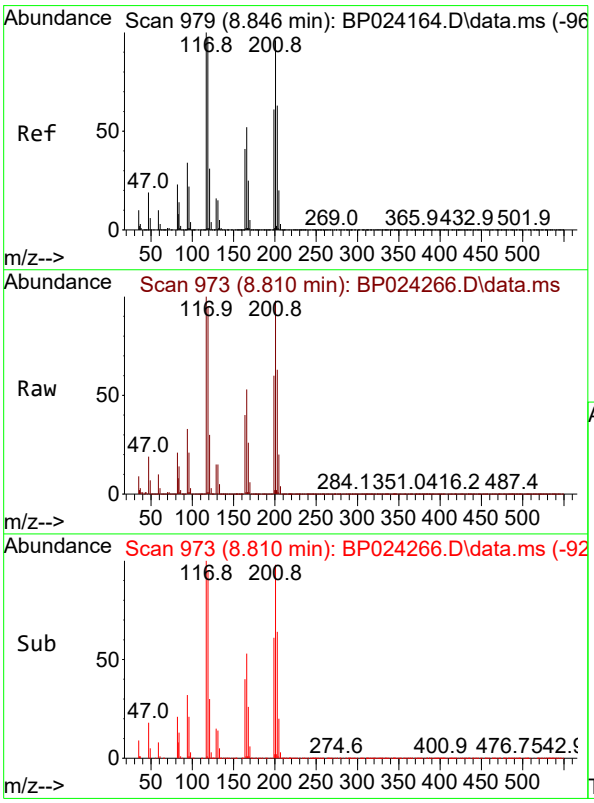
Ion	Ratio	Lower	Upper
107	100		
108	112.1	90.0	135.0
77	43.0	34.0	51.0
79	41.8	32.7	49.1



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations
APPROVED

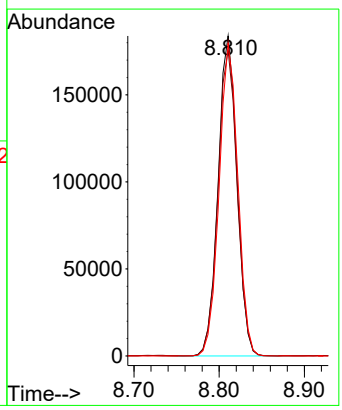
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

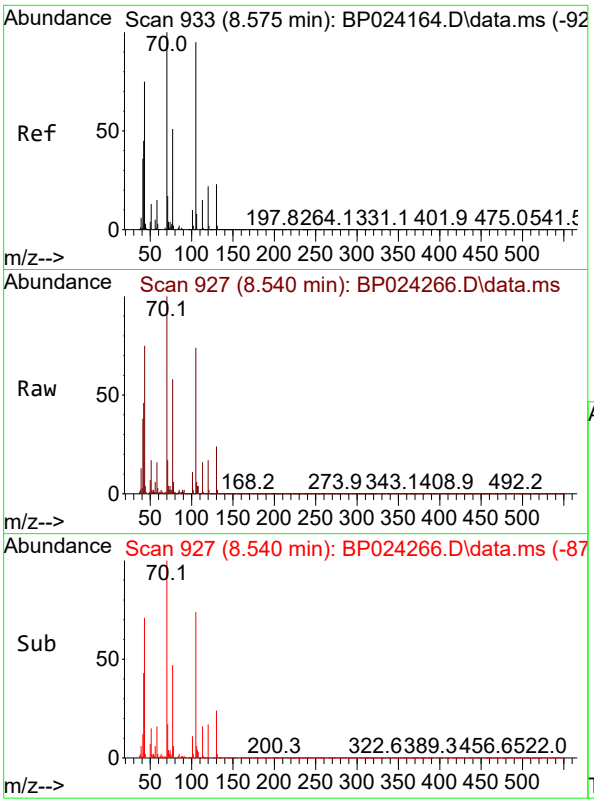


#18
Hexachloroethane
Concen: 40.771 ng
RT: 8.810 min Scan# 973
Delta R.T. -0.012 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:117 Resp: 283685

Ion	Ratio	Lower	Upper
117	100		
119	95.4	77.4	116.0
201	97.7	76.6	114.8

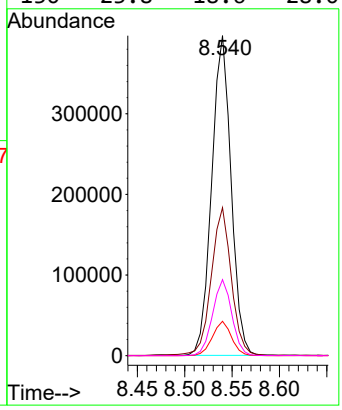




#19
n-Nitroso-di-n-propylamine
Concen: 44.069 ng
RT: 8.540 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion: 70 Resp: 56378

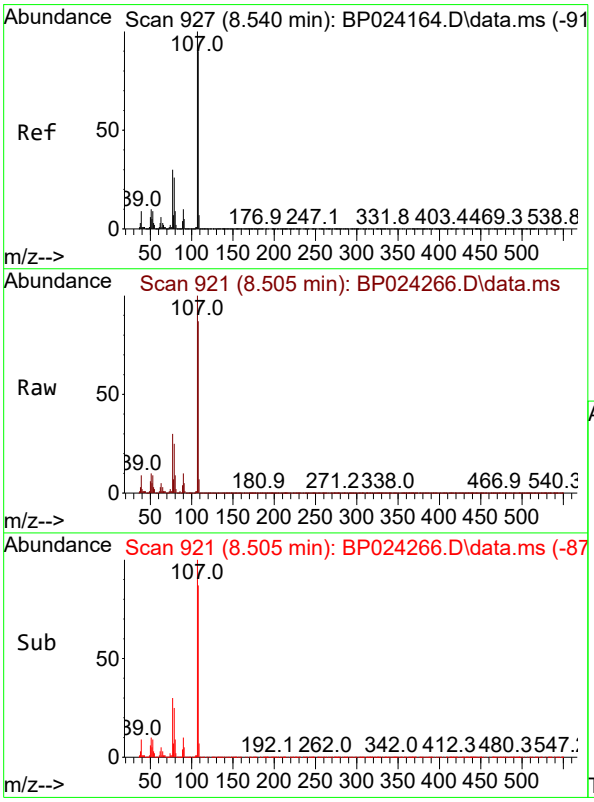
Ion	Ratio	Lower	Upper
70	100		
42	46.2	36.0	54.0
101	10.8	8.3	12.5
130	23.8	18.6	28.0



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations
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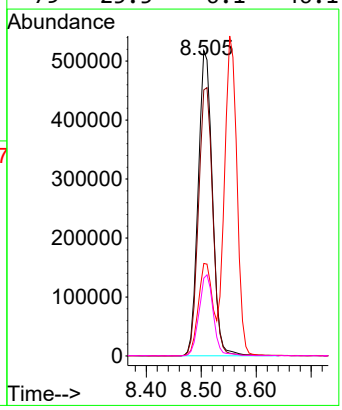
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

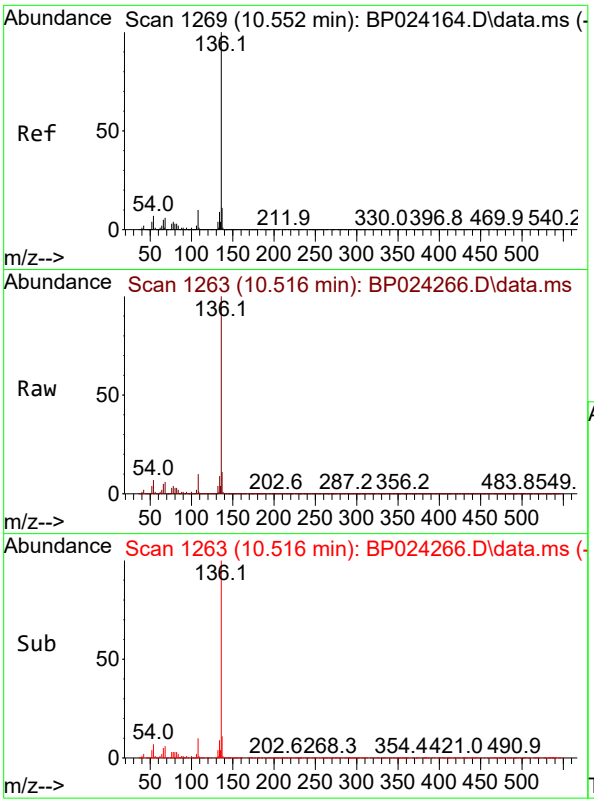


#20
3+4-Methylphenols
Concen: 48.259 ng
RT: 8.505 min Scan# 921
Delta R.T. -0.012 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:107 Resp: 925546

Ion	Ratio	Lower	Upper
107	100		
108	87.1	69.7	109.7
77	30.3	10.3	50.3
79	25.5	6.1	46.1

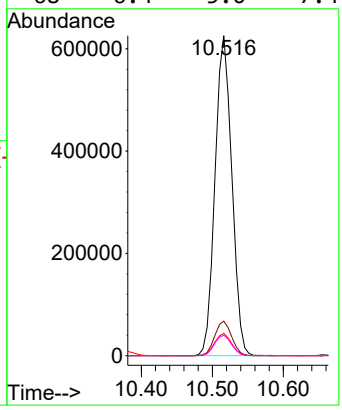




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.516 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:136 Resp: 102466

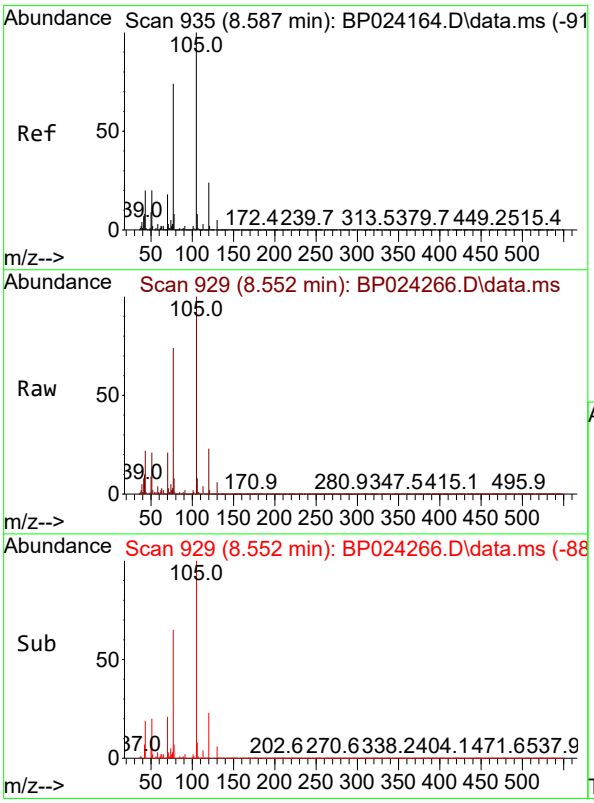
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	7.0	5.3	7.9
68	6.4	5.0	7.4



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations
APPROVED

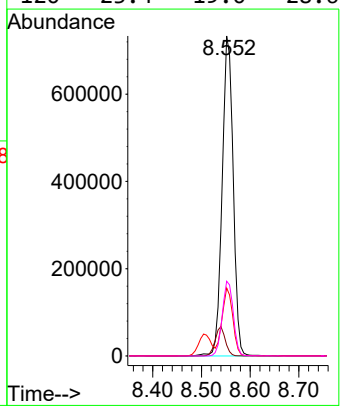
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

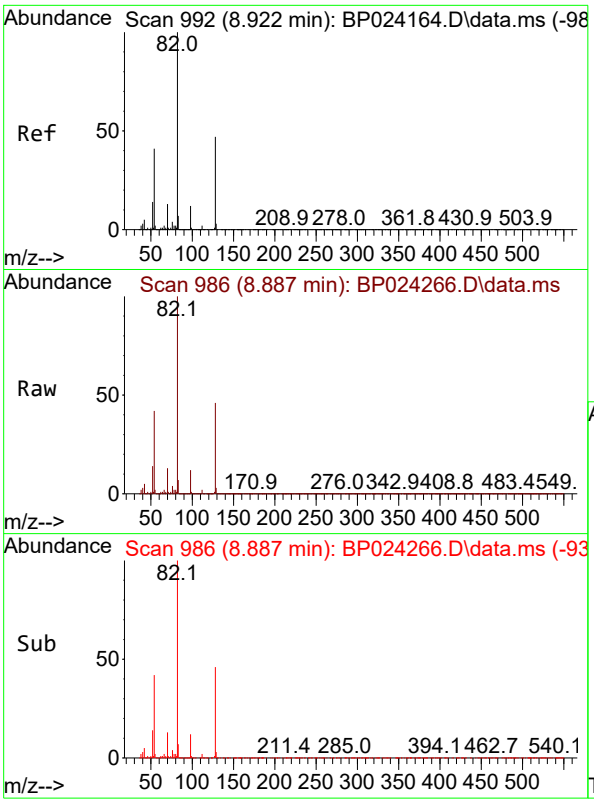


#22
Acetophenone
Concen: 44.754 ng
RT: 8.552 min Scan# 929
Delta R.T. -0.012 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:105 Resp: 1159395

Ion	Ratio	Lower	Upper
105	100		
71	3.4	2.4	3.6
51	21.2	16.2	24.2
120	23.4	19.0	28.6

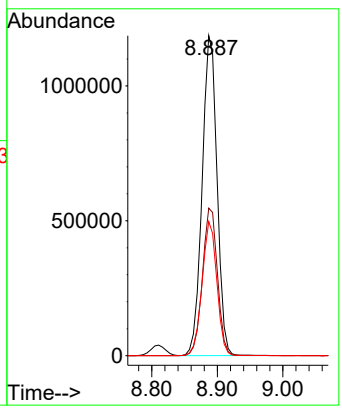




#23
Nitrobenzene-d5
Concen: 103.338 ng
RT: 8.887 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion: 82 Resp: 187674

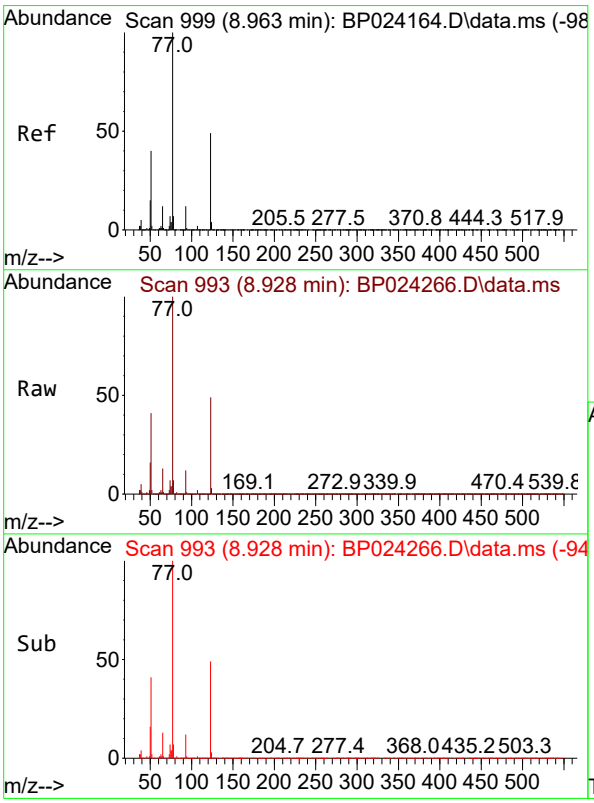
Ion	Ratio	Lower	Upper
82	100		
128	46.1	37.4	56.0
54	41.9	32.5	48.7



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations
APPROVED

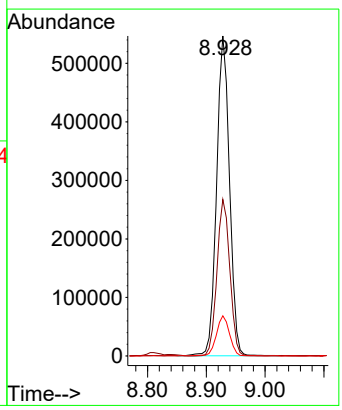
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

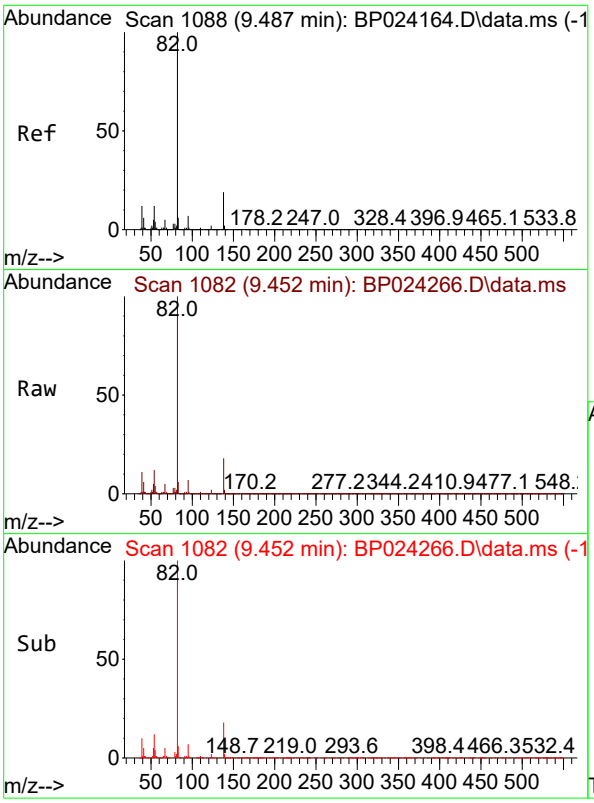


#24
Nitrobenzene
Concen: 46.441 ng
RT: 8.928 min Scan# 993
Delta R.T. -0.006 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion: 77 Resp: 832032

Ion	Ratio	Lower	Upper
77	100		
123	48.9	39.4	59.2
65	12.6	9.9	14.9

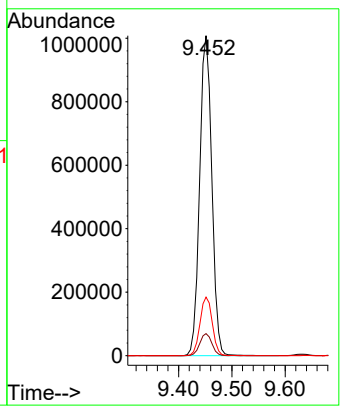




#25
Isophorone
Concen: 51.176 ng
RT: 9.452 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion: 82 Resp: 159318

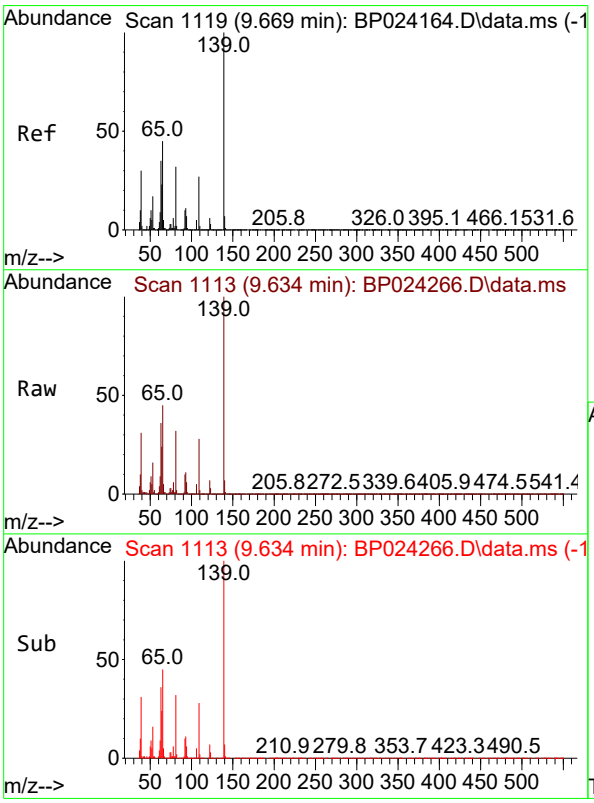
Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.3	7.9
138	18.3	14.8	22.2



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations
APPROVED

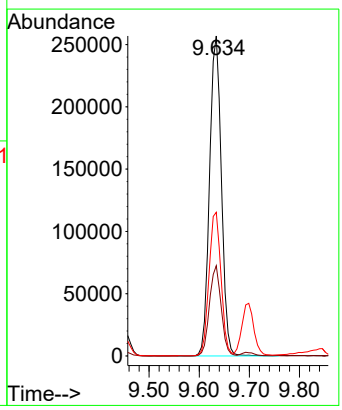
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

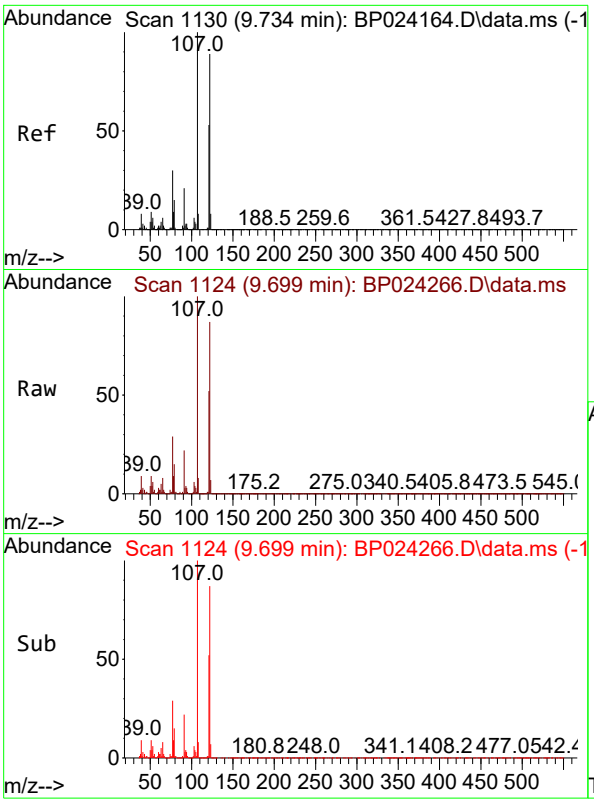


#26
2-Nitrophenol
Concen: 49.255 ng
RT: 9.634 min Scan# 1113
Delta R.T. -0.012 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:139 Resp: 421515

Ion	Ratio	Lower	Upper
139	100		
109	28.2	21.7	32.5
65	44.9	35.8	53.8

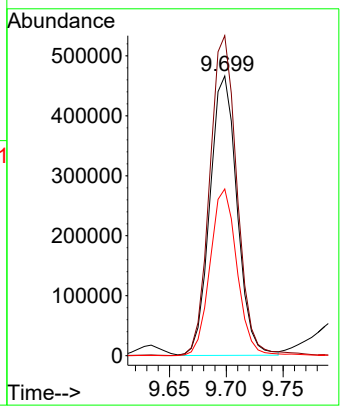




#27
2,4-Dimethylphenol
Concen: 70.384 ng
RT: 9.699 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:122 Resp: 77452

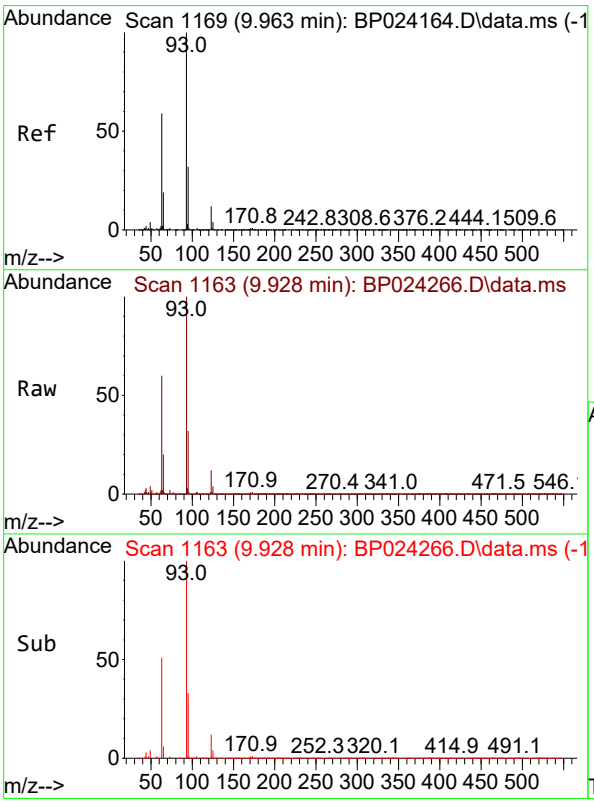
Ion	Ratio	Lower	Upper
122	100		
107	114.4	89.3	133.9
121	59.6	47.5	71.3



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations
APPROVED

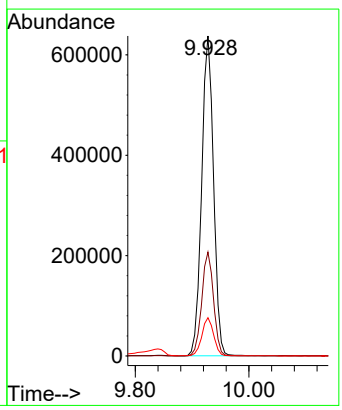
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

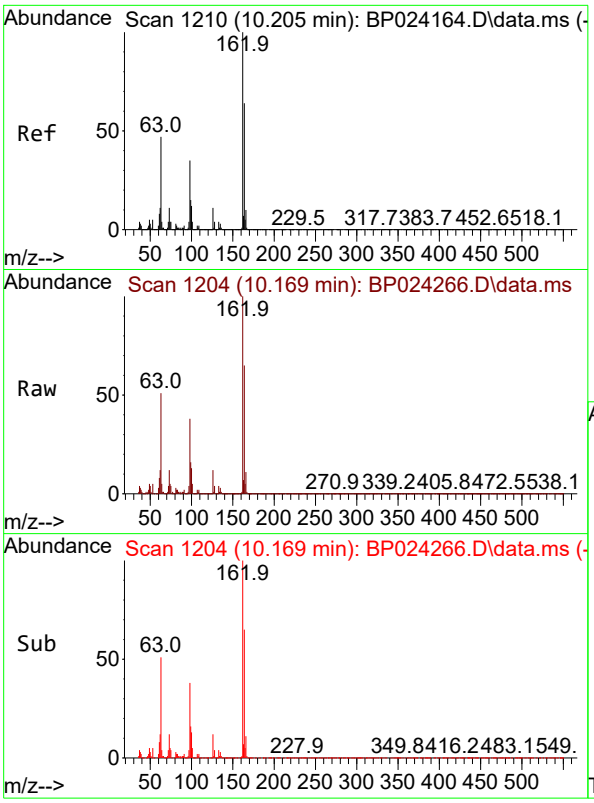


#28
bis(2-Chloroethoxy)methane
Concen: 42.176 ng
RT: 9.928 min Scan# 1163
Delta R.T. -0.012 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion: 93 Resp: 923700

Ion	Ratio	Lower	Upper
93	100		
95	32.4	25.9	38.9
123	12.0	9.5	14.3

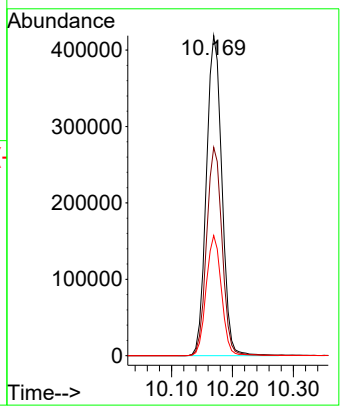




#29
2,4-Dichlorophenol
Concen: 49.783 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:162 Resp: 74108

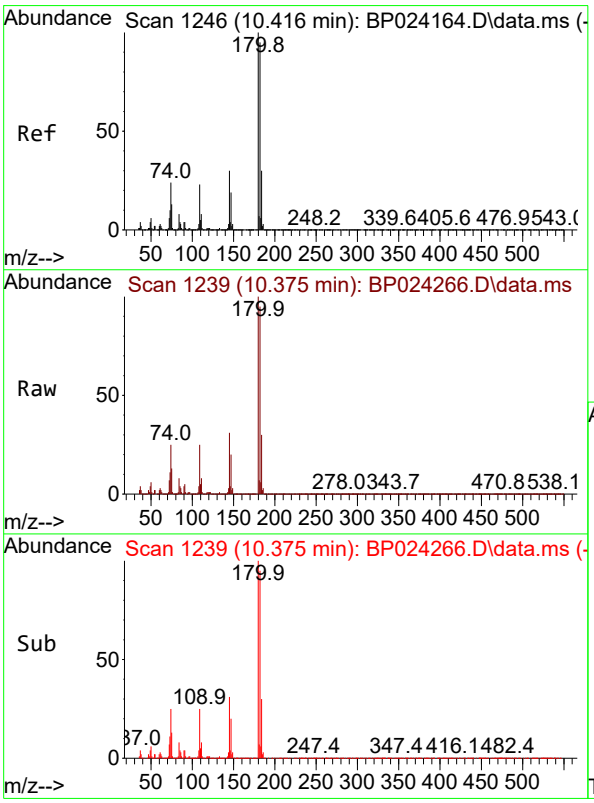
Ion	Ratio	Lower	Upper
162	100		
164	65.1	44.2	84.2
98	37.5	15.1	55.1



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations
APPROVED

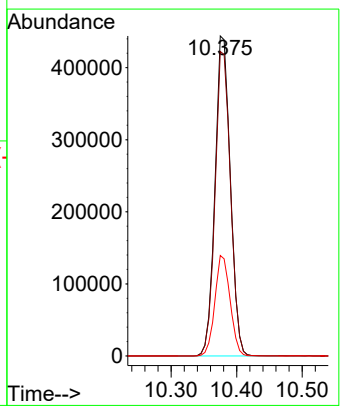
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

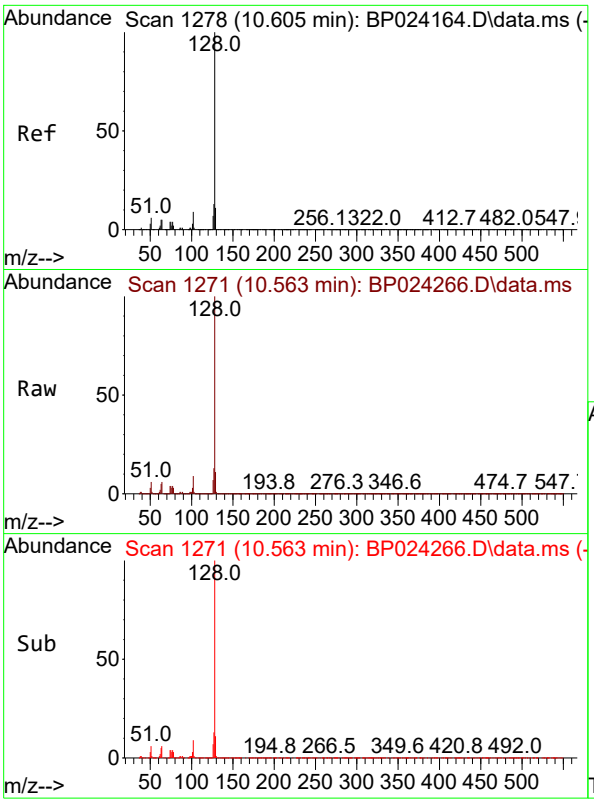


#30
1,2,4-Trichlorobenzene
Concen: 43.776 ng
RT: 10.375 min Scan# 1239
Delta R.T. -0.012 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:180 Resp: 719976

Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.1	114.1
145	31.4	24.2	36.2

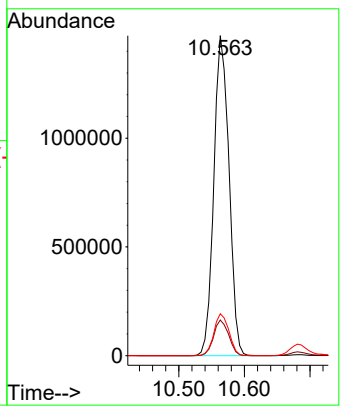




#31
Naphthalene
Concen: 43.416 ng
RT: 10.563 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:128 Resp: 235818

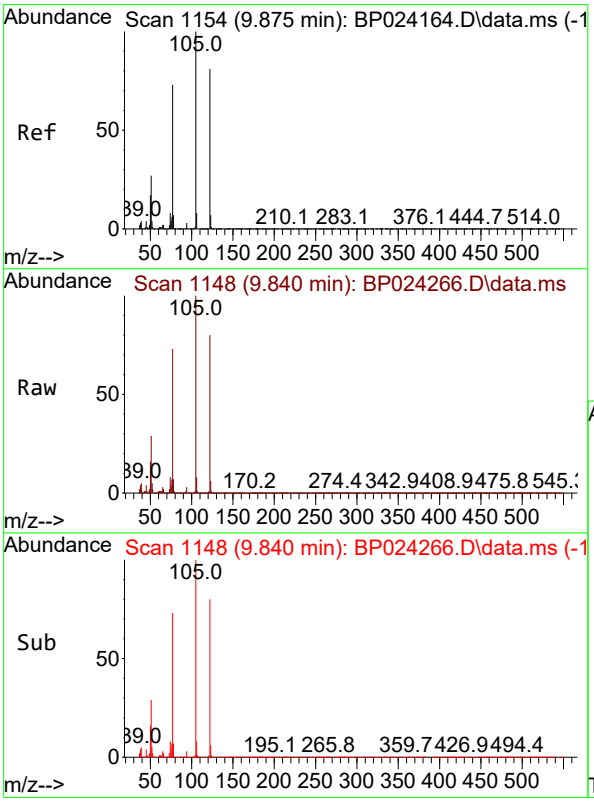
Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	13.1	10.4	15.6



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations
APPROVED

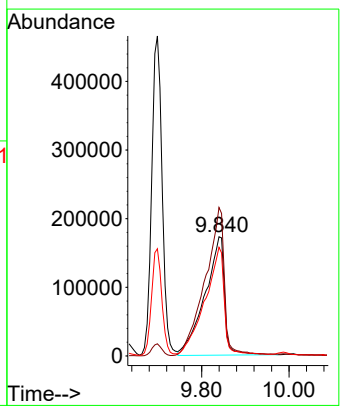
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

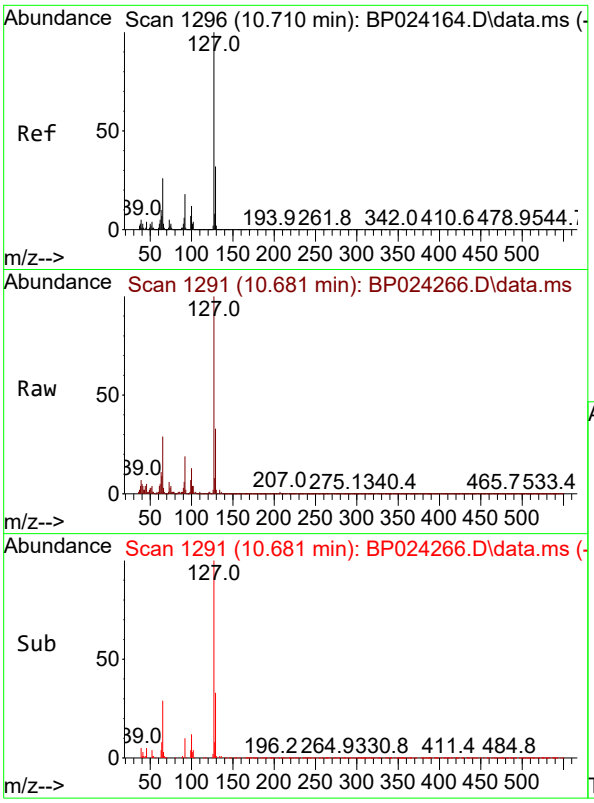


#32
Benzoic acid
Concen: 50.394 ng
RT: 9.840 min Scan# 1148
Delta R.T. -0.012 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:122 Resp: 540827

Ion	Ratio	Lower	Upper
122	100		
105	124.5	100.3	140.3
77	91.1	69.1	109.1

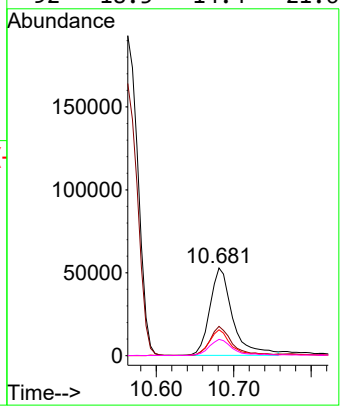




#33
4-Chloroaniline
Concen: 5.545 ng
RT: 10.681 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:127 Resp: 10779

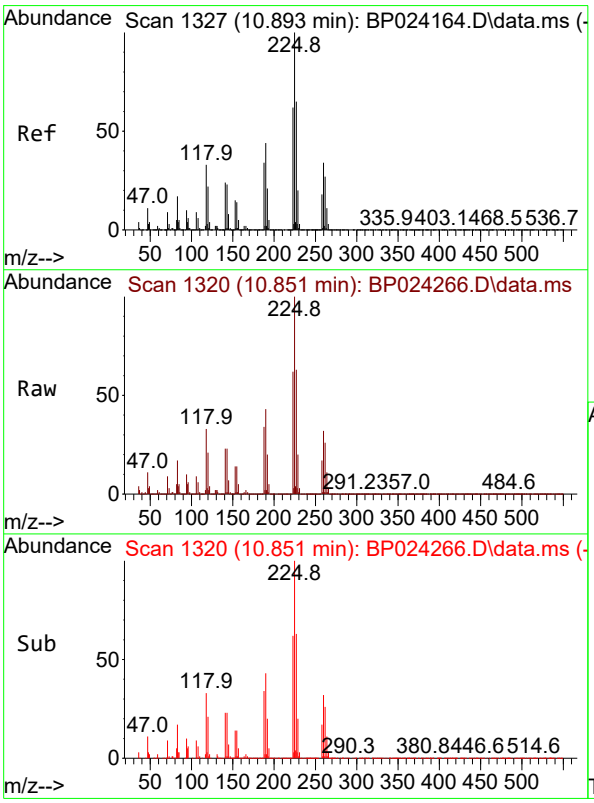
Ion	Ratio	Lower	Upper
127	100		
129	33.3	25.8	38.6
65	29.5	21.2	31.8
92	18.5	14.4	21.6



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations
APPROVED

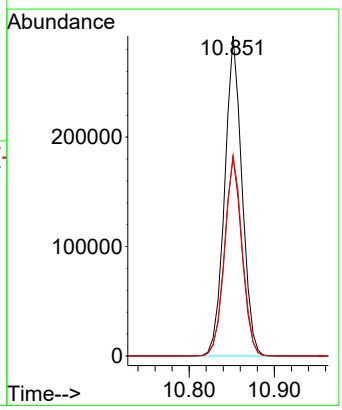
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

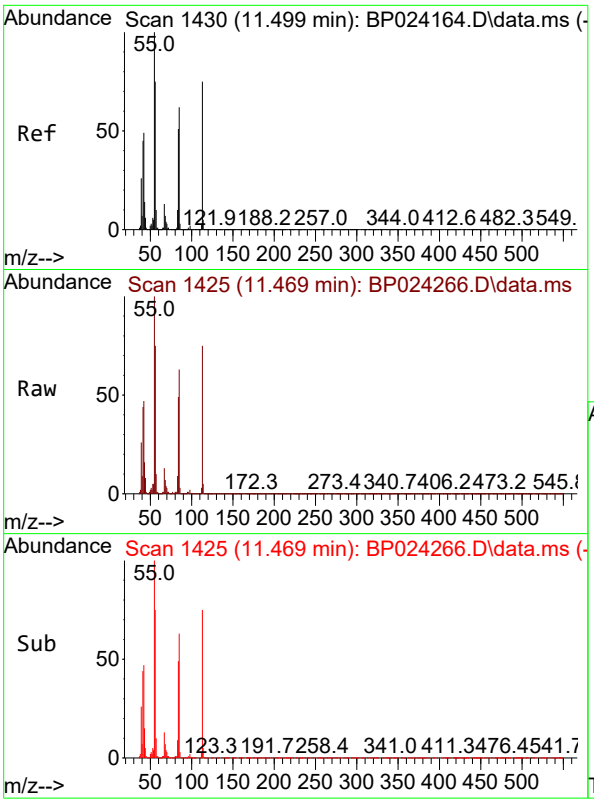


#34
Hexachlorobutadiene
Concen: 43.454 ng
RT: 10.851 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:225 Resp: 411310

Ion	Ratio	Lower	Upper
225	100		
223	62.1	49.9	74.9
227	62.6	52.2	78.2

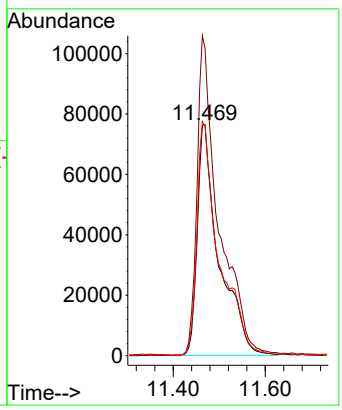




#35
Caprolactam
Concen: 51.454 ng
RT: 11.469 min Scan# 14
Delta R.T. -0.006 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:113 Resp: 25103

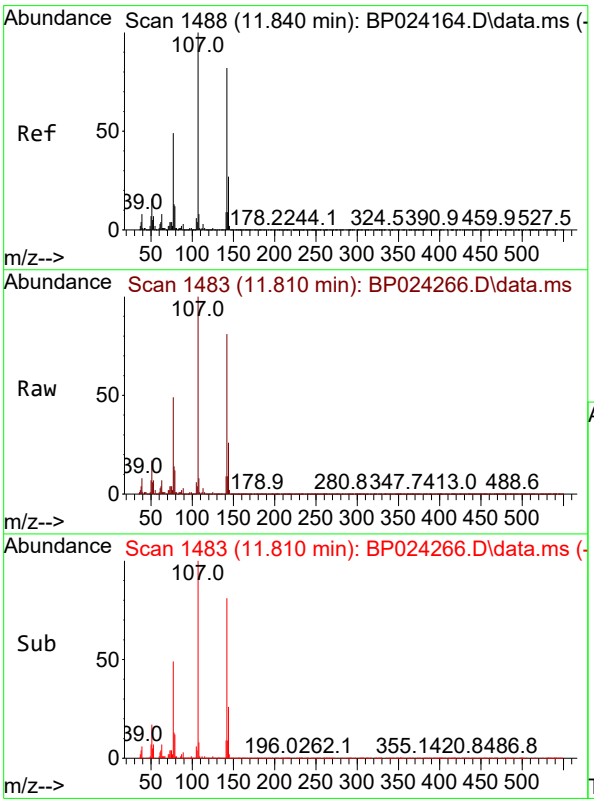
Ion	Ratio	Lower	Upper
113	100		
55	132.9	113.6	153.6
56	99.3	80.0	120.0



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations
APPROVED

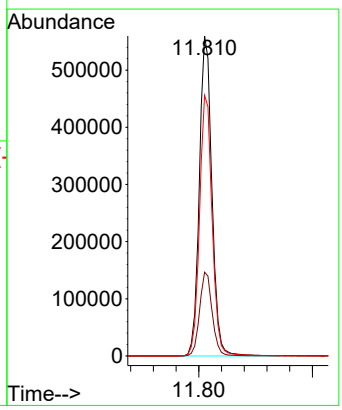
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

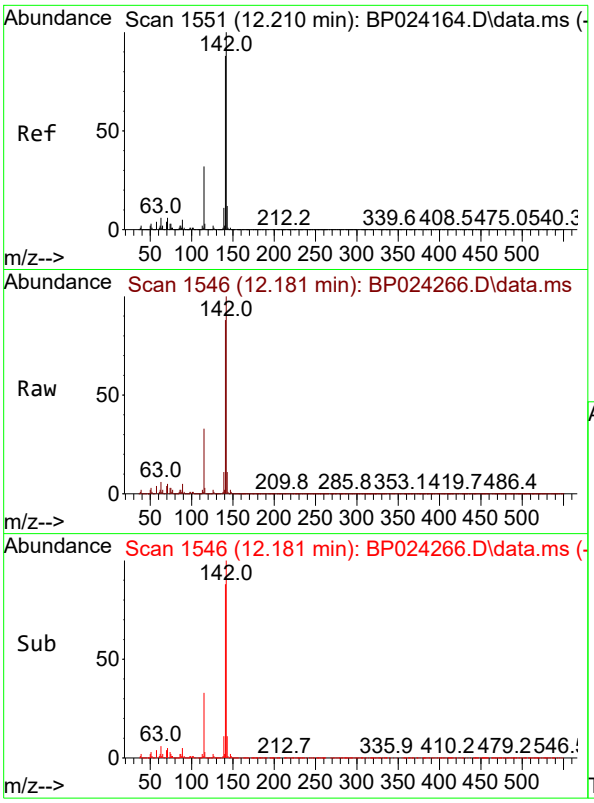


#36
4-Chloro-3-methylphenol
Concen: 53.480 ng
RT: 11.810 min Scan# 1483
Delta R.T. -0.012 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:107 Resp: 858833

Ion	Ratio	Lower	Upper
107	100		
144	26.2	21.6	32.4
142	81.4	65.4	98.0

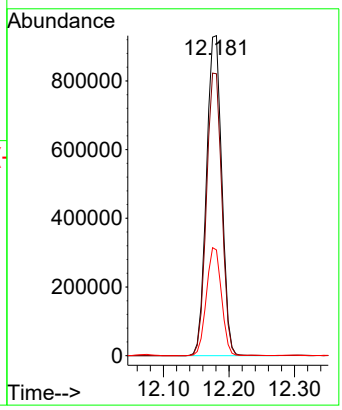




#37
2-Methylnaphthalene
Concen: 41.145 ng
RT: 12.181 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:142 Resp: 150981

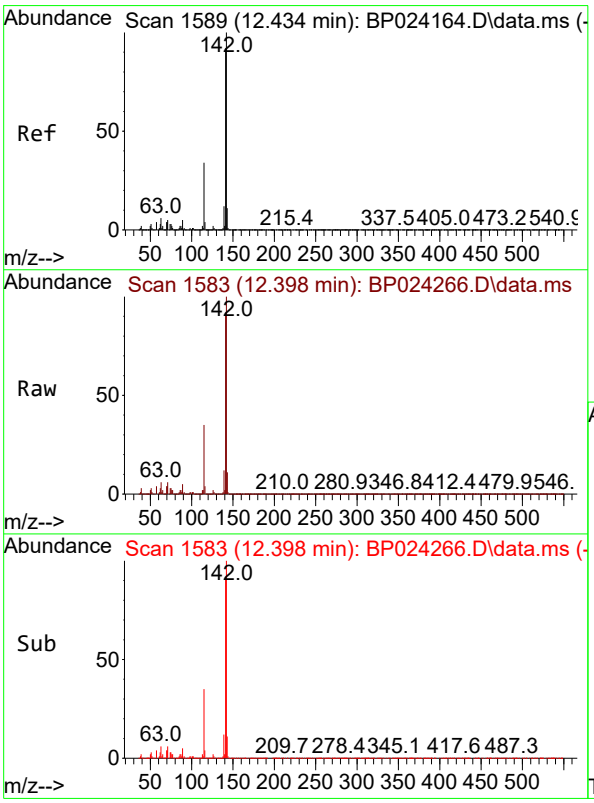
Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.3	105.5
115	33.1	26.0	39.0



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations
APPROVED

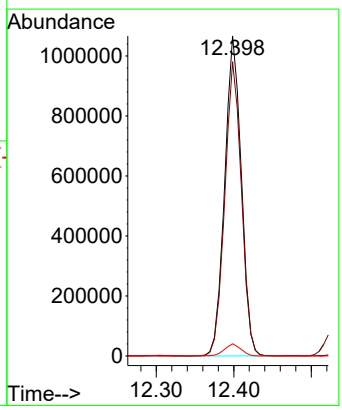
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

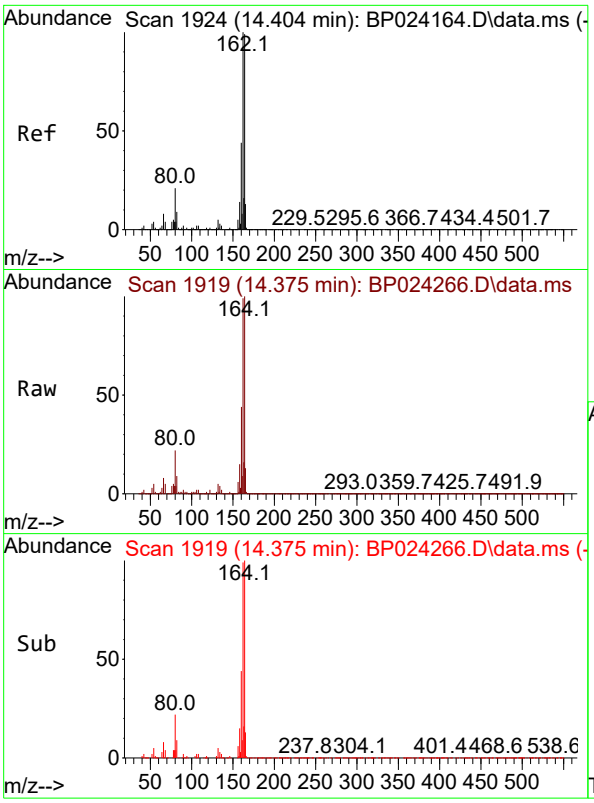


#38
1-Methylnaphthalene
Concen: 44.570 ng
RT: 12.398 min Scan# 1583
Delta R.T. -0.012 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:142 Resp: 1590749

Ion	Ratio	Lower	Upper
142	100		
141	91.9	73.9	110.9
116	3.8	2.8	4.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.375 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

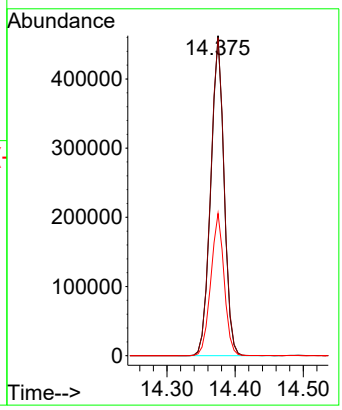
Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

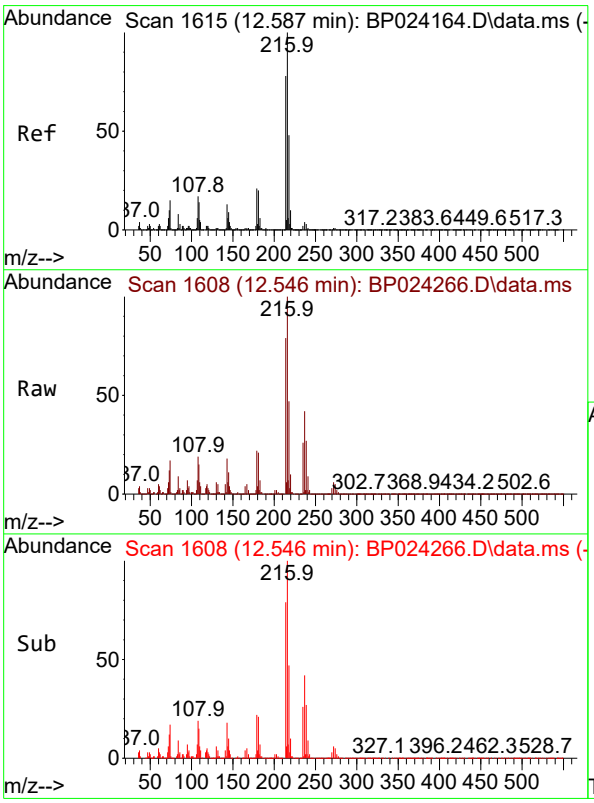
Tgt Ion:164 Resp: 62589

Ion	Ratio	Lower	Upper
164	100		
162	99.4	80.6	121.0
160	44.5	35.4	53.2

Manual Integrations
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Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

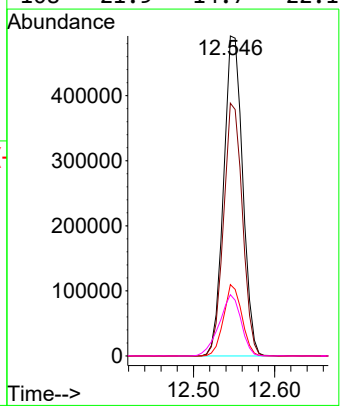


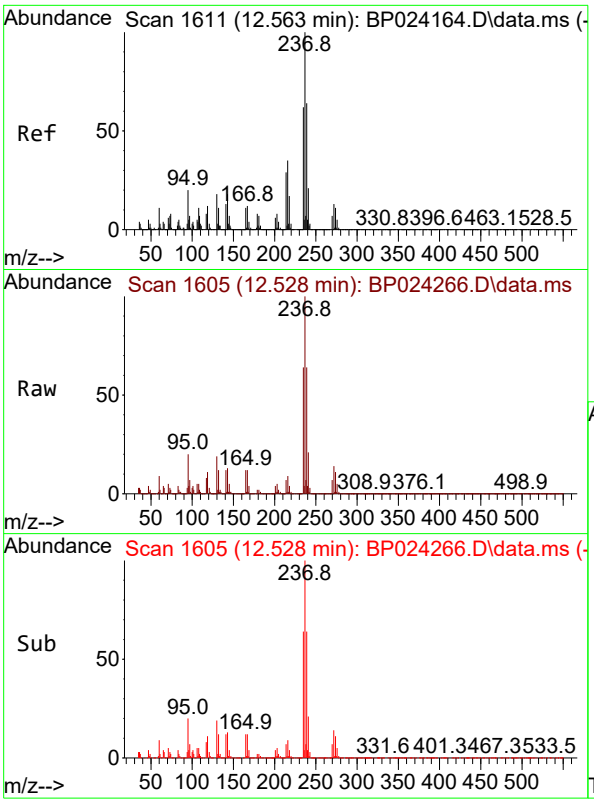


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.297 ng
RT: 12.546 min Scan# 1608
Delta R.T. -0.018 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:216 Resp: 801448

Ion	Ratio	Lower	Upper
216	100		
214	78.2	62.8	94.2
179	21.5	16.8	25.2
108	21.9	14.7	22.1





#41
Hexachlorocyclopentadiene
Concen: 168.968 ng
RT: 12.528 min Scan# 1
Delta R.T. -0.017 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

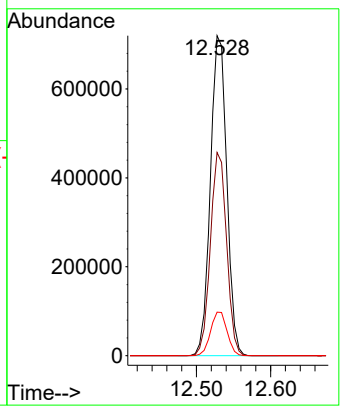
Tgt Ion:237 Resp: 110197

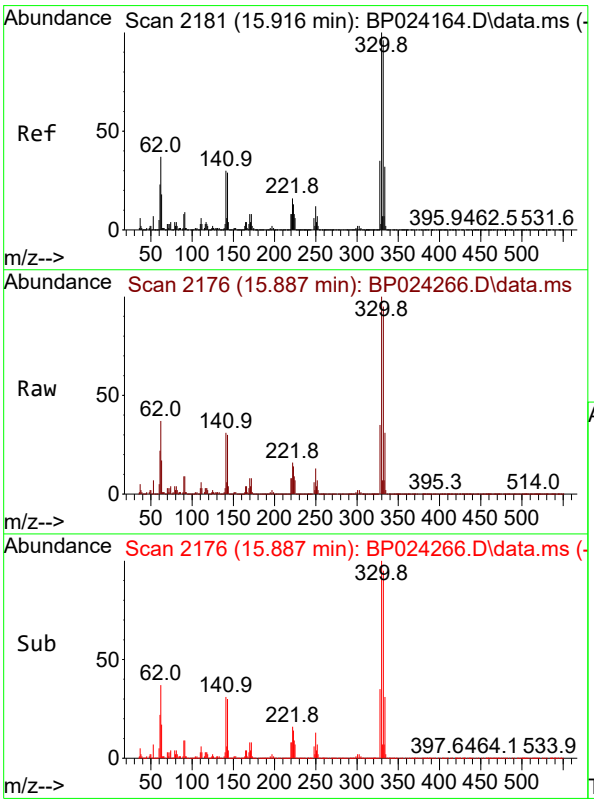
Ion	Ratio	Lower	Upper
237	100		
235	63.5	41.8	81.8
272	13.6	0.0	33.5

Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations
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Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

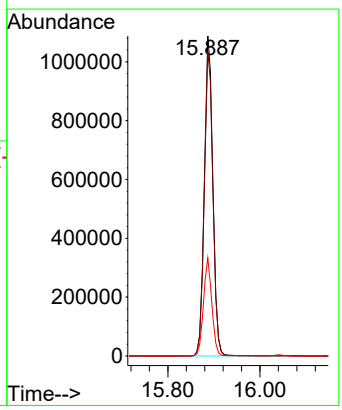


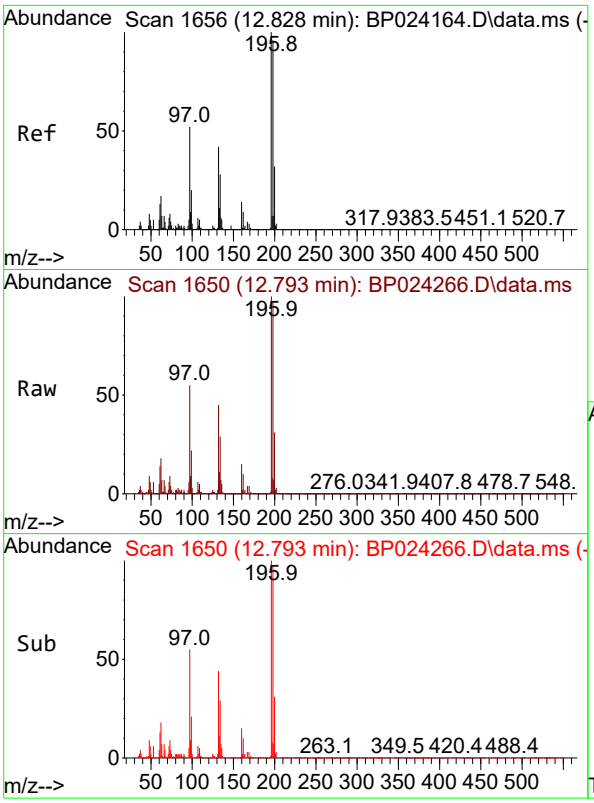


#42
2,4,6-Tribromophenol
Concen: 179.140 ng
RT: 15.887 min Scan# 2176
Delta R.T. -0.012 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:330 Resp: 1412322

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.6	116.4
141	30.0	25.0	37.6

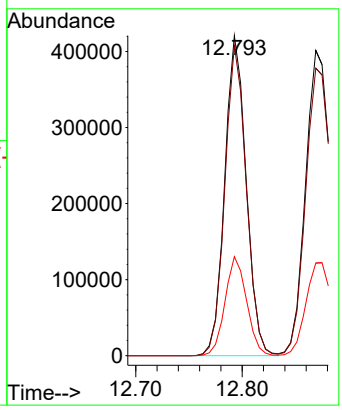




#43
2,4,6-Trichlorophenol
Concen: 51.326 ng
RT: 12.793 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:196 Resp: 59016

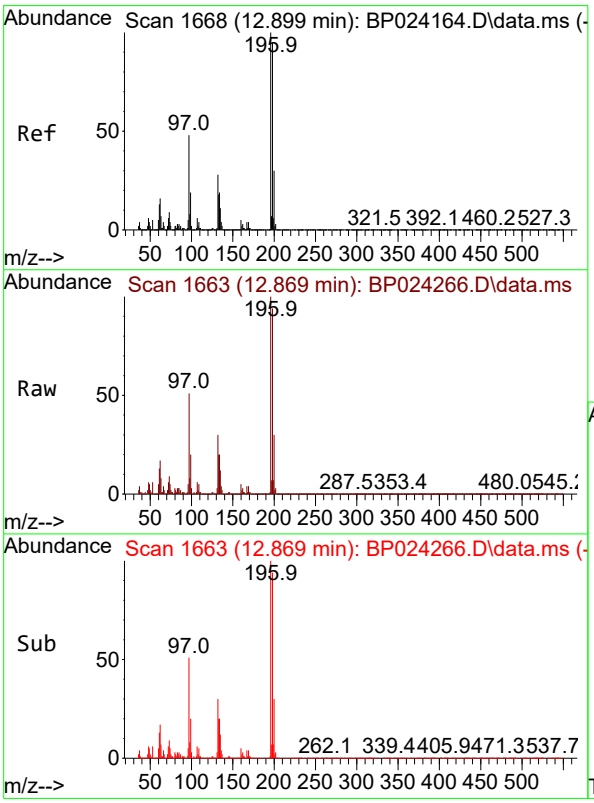
Ion	Ratio	Lower	Upper
196	100		
198	96.9	76.6	115.0
200	31.0	25.4	38.0



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations
APPROVED

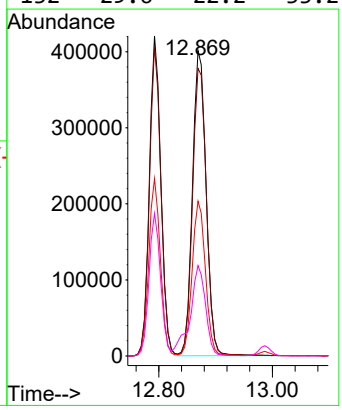
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

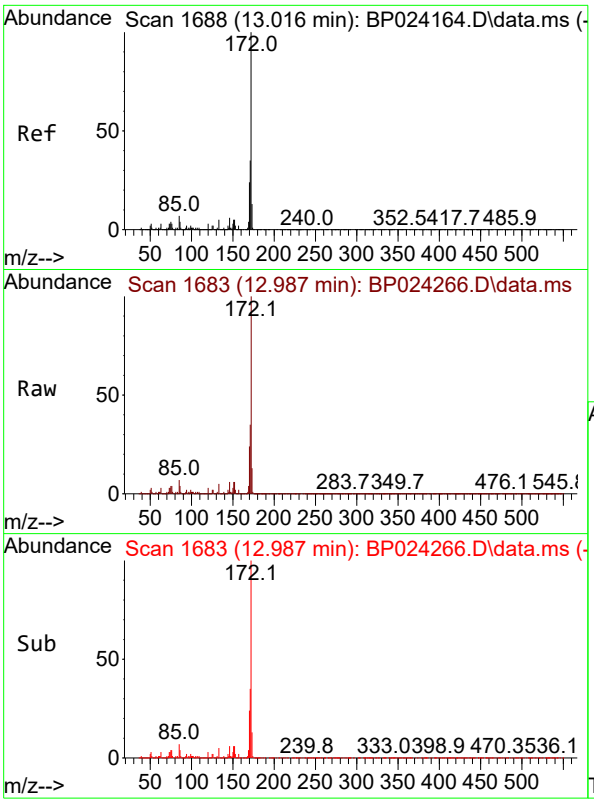


#44
2,4,5-Trichlorophenol
Concen: 53.277 ng
RT: 12.869 min Scan# 1663
Delta R.T. -0.017 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:196 Resp: 671811

Ion	Ratio	Lower	Upper
196	100		
198	94.2	76.5	114.7
97	50.7	38.7	58.1
132	29.6	22.2	33.2

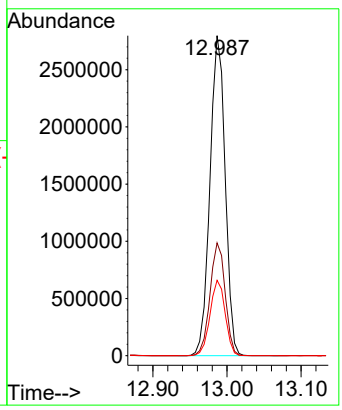




#45
2-Fluorobiphenyl
Concen: 93.940 ng
RT: 12.987 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:172 Resp: 398744

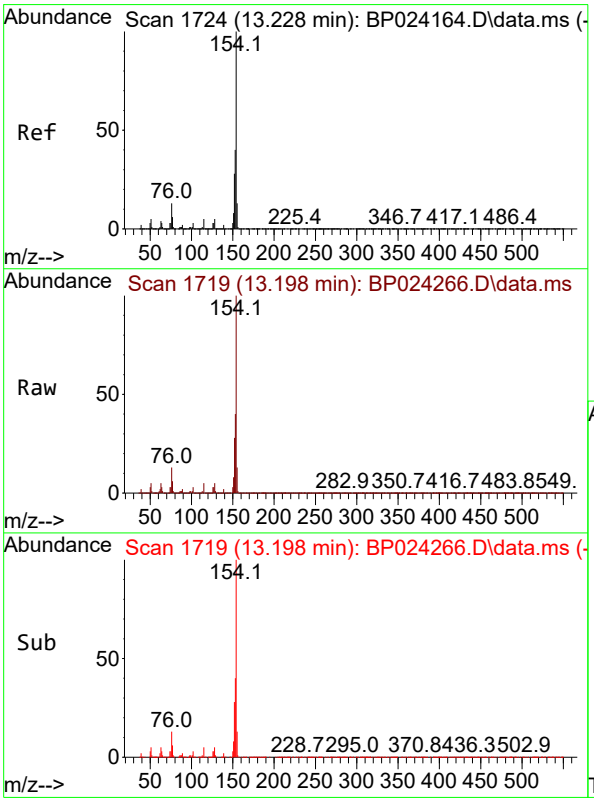
Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.3	42.5
170	23.6	19.0	28.4



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations
APPROVED

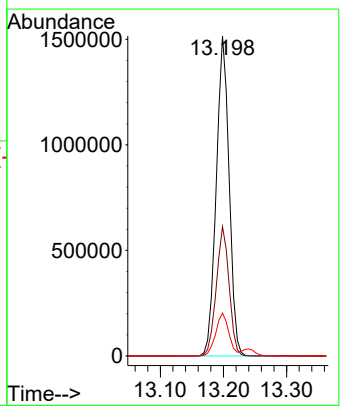
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

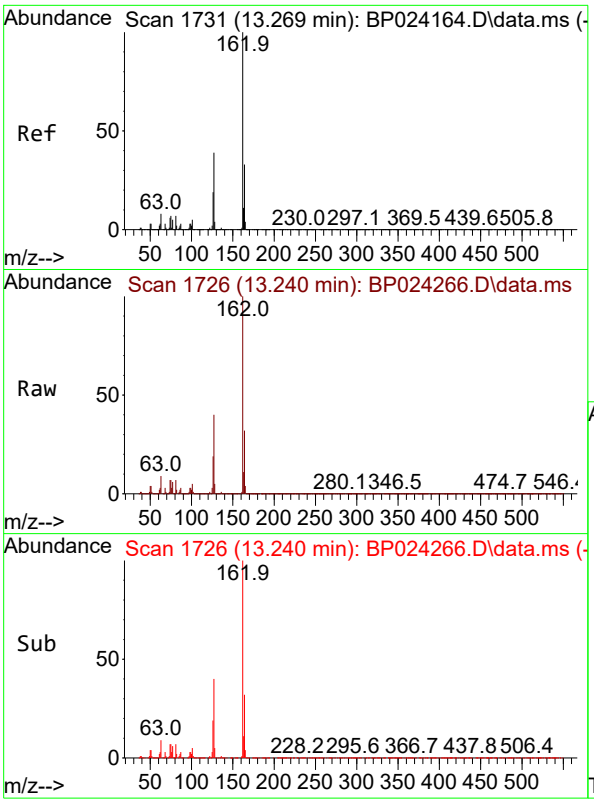


#46
1,1'-Biphenyl
Concen: 45.661 ng
RT: 13.198 min Scan# 1719
Delta R.T. -0.012 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:154 Resp: 2147562

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.3	60.3
76	13.4	0.0	32.9

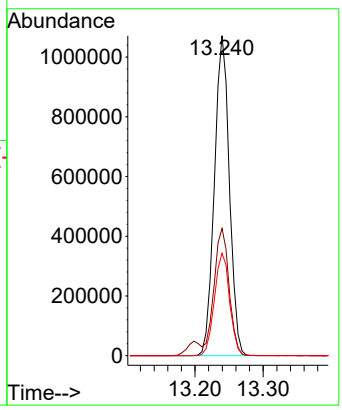




#47
2-Chloronaphthalene
Concen: 46.222 ng
RT: 13.240 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:162 Resp: 163518

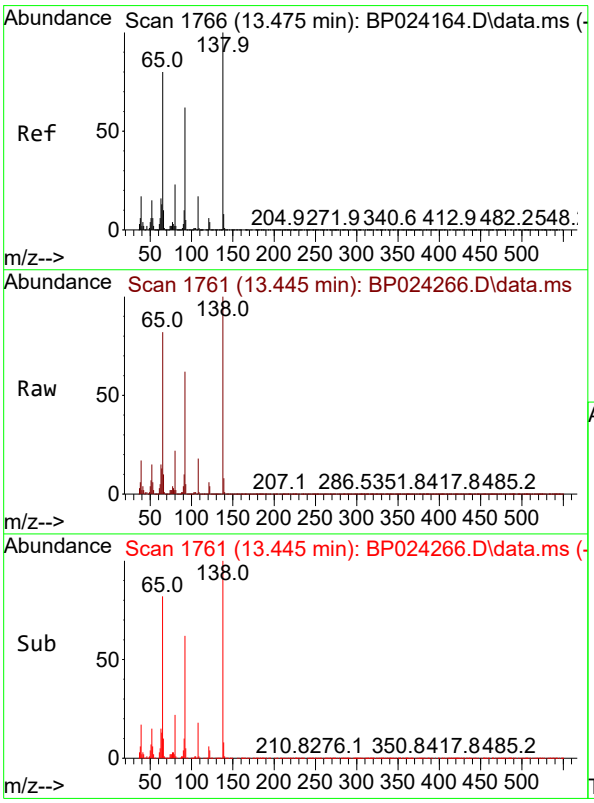
Ion	Ratio	Lower	Upper
162	100		
127	39.7	31.5	47.3
164	32.0	26.6	39.8



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations
APPROVED

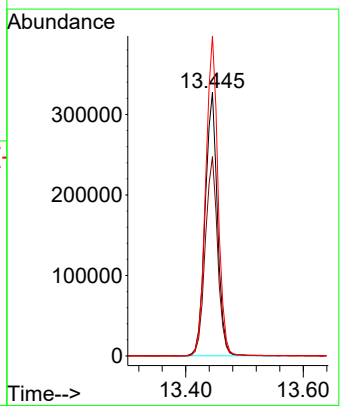
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

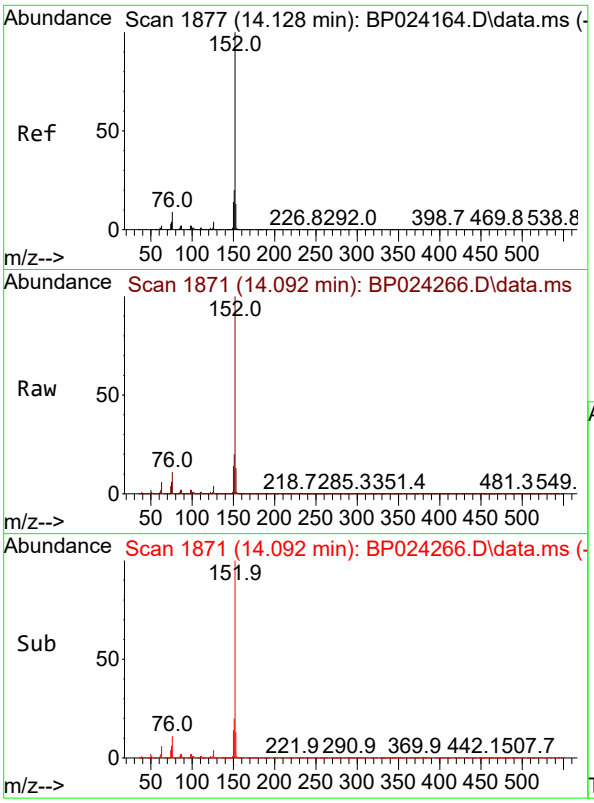


#48
2-Nitroaniline
Concen: 52.624 ng
RT: 13.445 min Scan# 1761
Delta R.T. -0.018 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion: 65 Resp: 476163

Ion	Ratio	Lower	Upper
65	100		
92	75.7	62.1	93.1
138	121.5	99.5	149.3

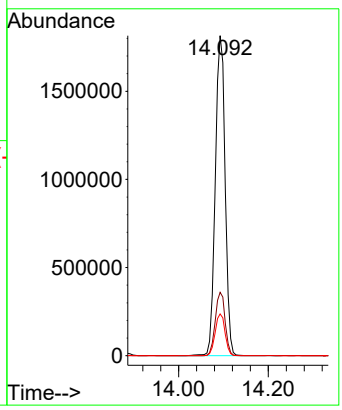




#49
Acenaphthylene
Concen: 51.456 ng
RT: 14.092 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:152 Resp: 275437

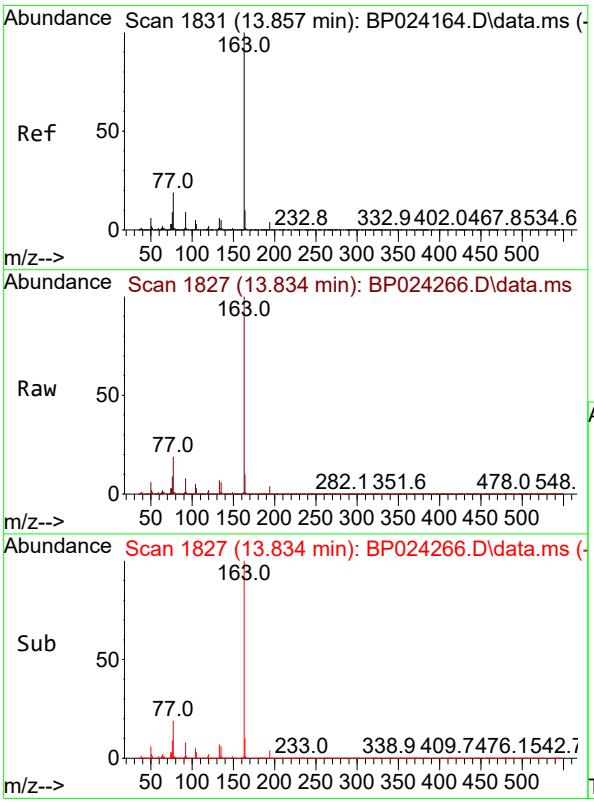
Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.0	24.0
153	13.1	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

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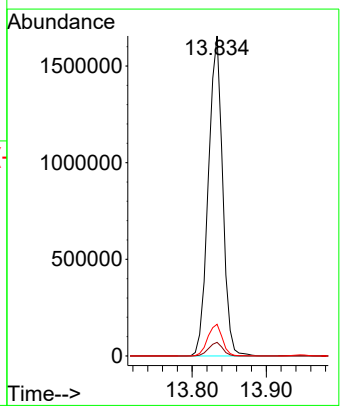
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

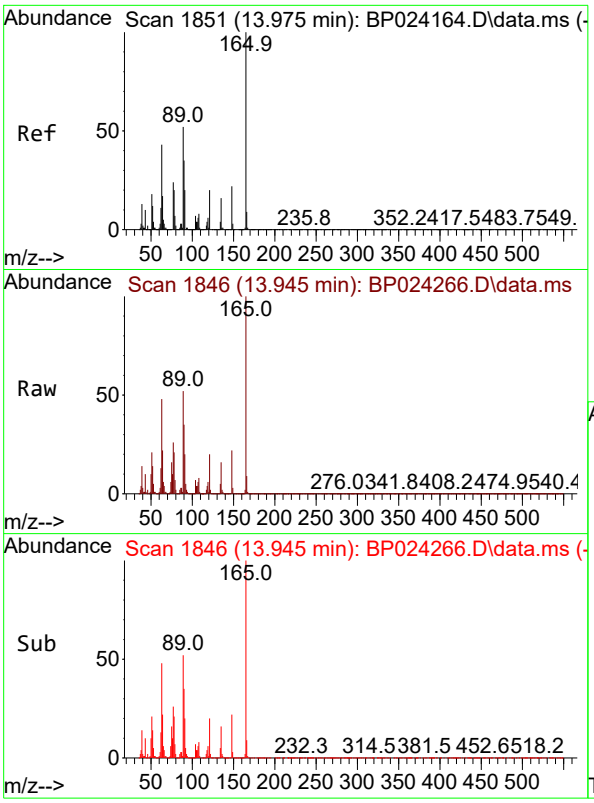


#50
Dimethylphthalate
Concen: 50.440 ng
RT: 13.834 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:163 Resp: 2208995

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.0
164	9.9	8.2	12.4





#51
2,6-Dinitrotoluene
Concen: 53.401 ng
RT: 13.945 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

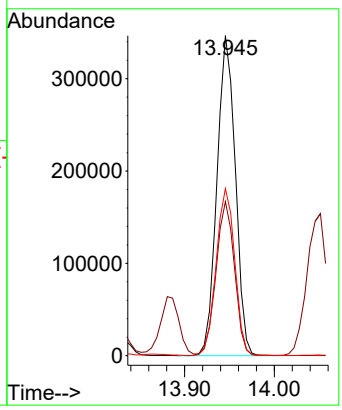
Tgt Ion:165 Resp: 49206

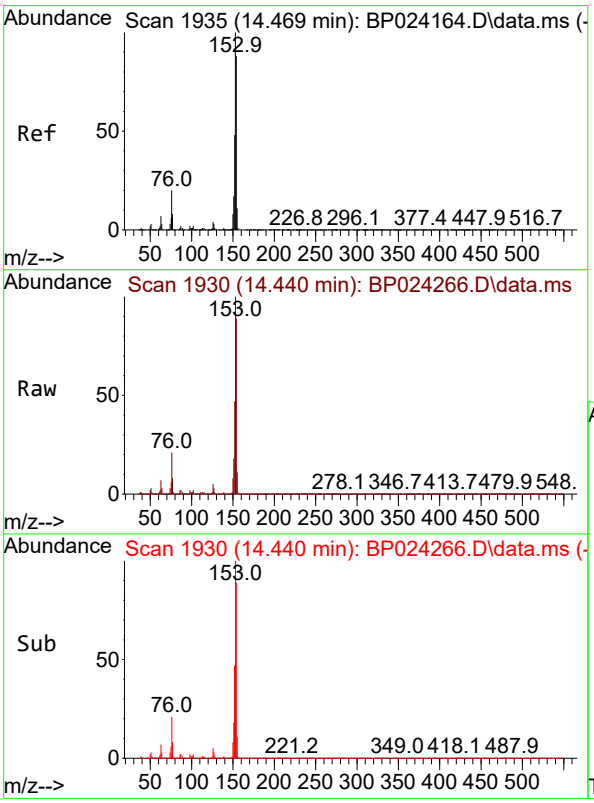
Ion	Ratio	Lower	Upper
165	100		
63	48.2	37.7	56.5
89	52.2	41.9	62.9

Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations
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Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

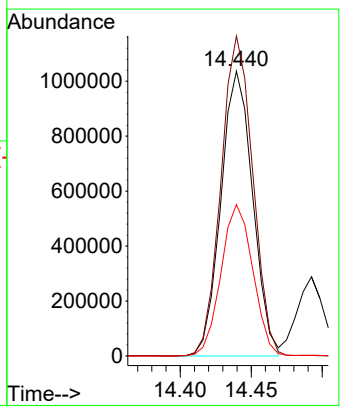


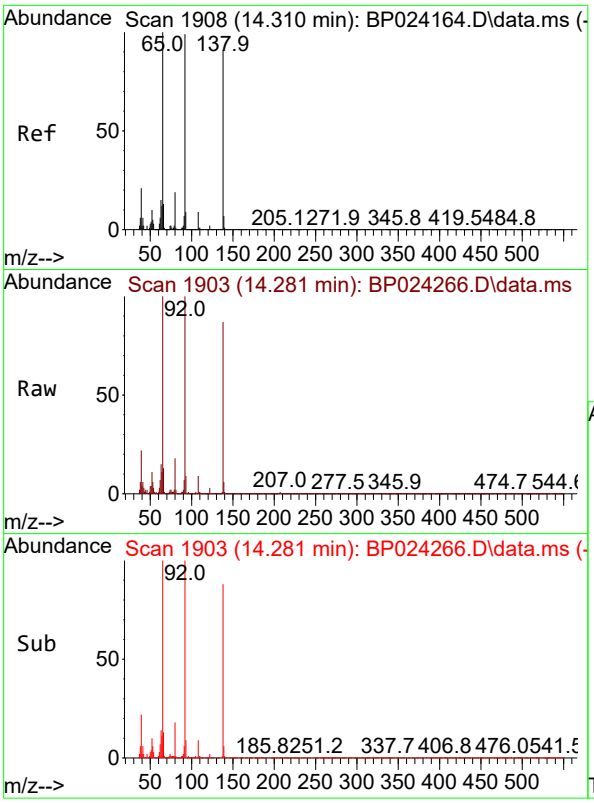


#52
Acenaphthene
Concen: 47.138 ng
RT: 14.440 min Scan# 1930
Delta R.T. -0.018 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:154 Resp: 1612157

Ion	Ratio	Lower	Upper
154	100		
153	112.3	90.5	135.7
152	53.1	43.1	64.7





#53
3-Nitroaniline
Concen: 14.200 ng
RT: 14.281 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

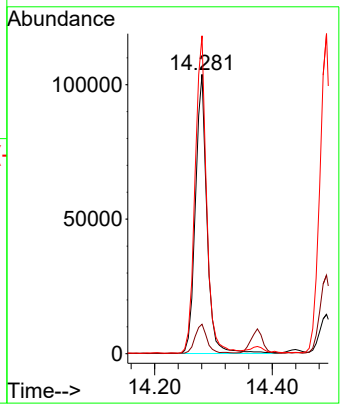
Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

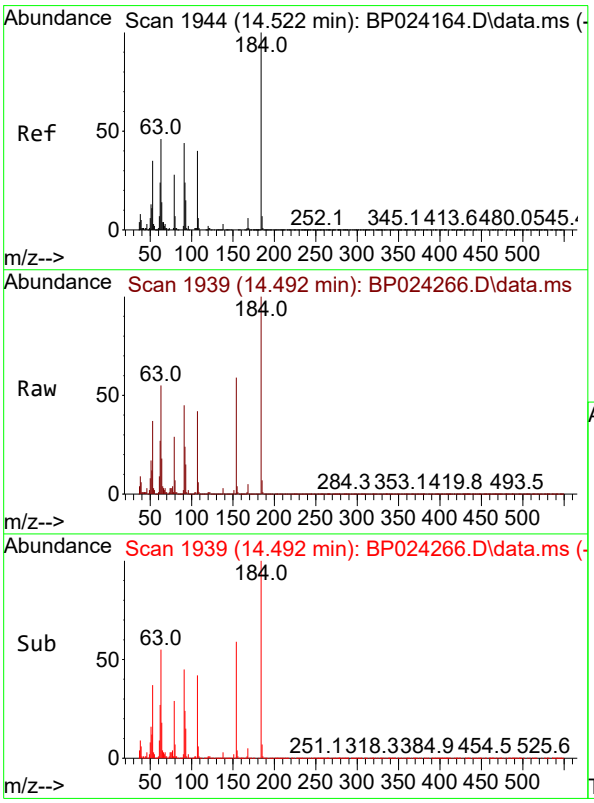
Tgt Ion:138 Resp: 14132

Ion	Ratio	Lower	Upper
138	100		
108	10.5	8.2	12.2
92	113.8	86.7	130.1

Manual Integrations
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Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

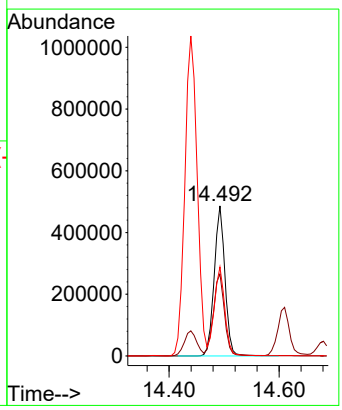


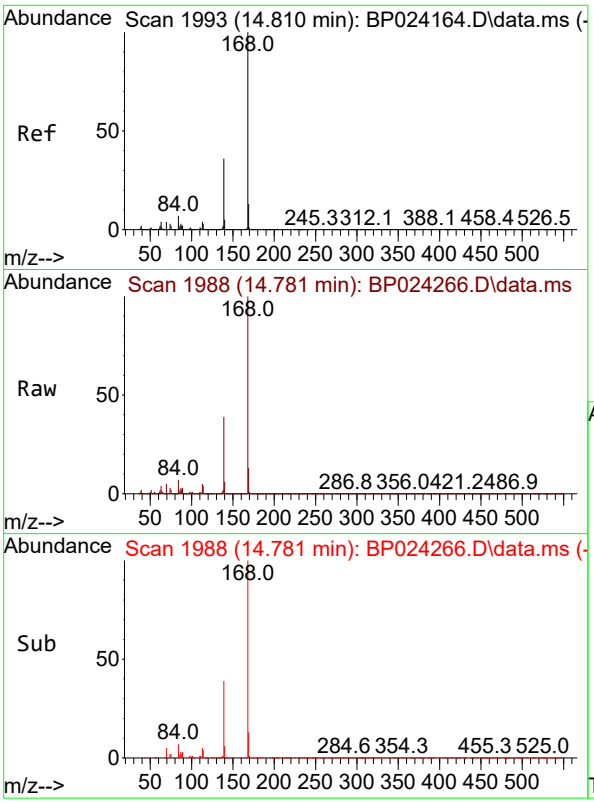


#54
2,4-Dinitrophenol
Concen: 136.328 ng
RT: 14.492 min Scan# 1939
Delta R.T. -0.012 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:184 Resp: 664698

Ion	Ratio	Lower	Upper
184	100		
63	54.7	42.1	63.1
154	59.3	44.6	67.0

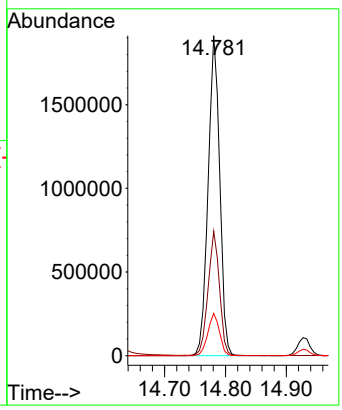




#55
Dibenzofuran
Concen: 45.752 ng
RT: 14.781 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:168 Resp: 253465

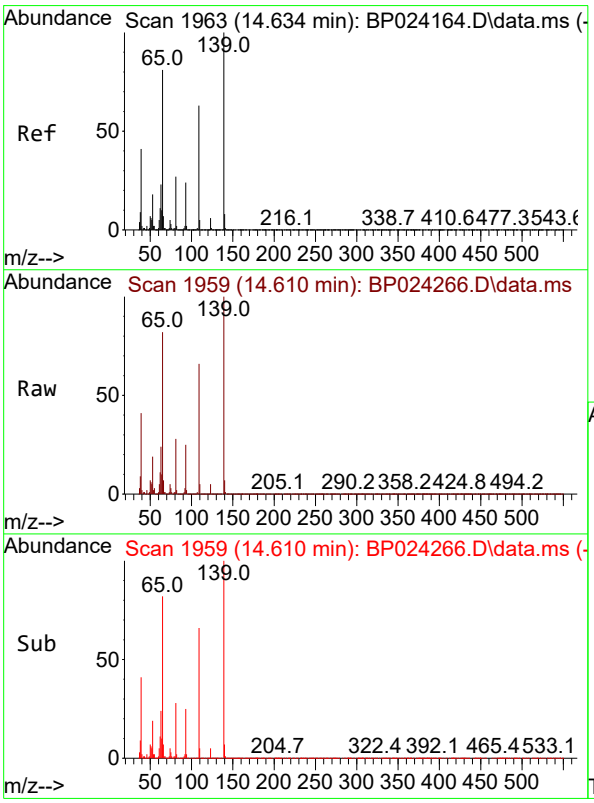
Ion	Ratio	Lower	Upper
168	100		
139	38.9	29.1	43.7
169	13.2	10.8	16.2



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations
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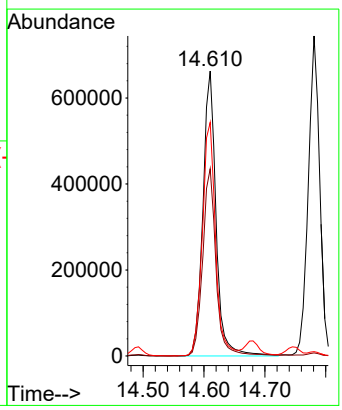
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

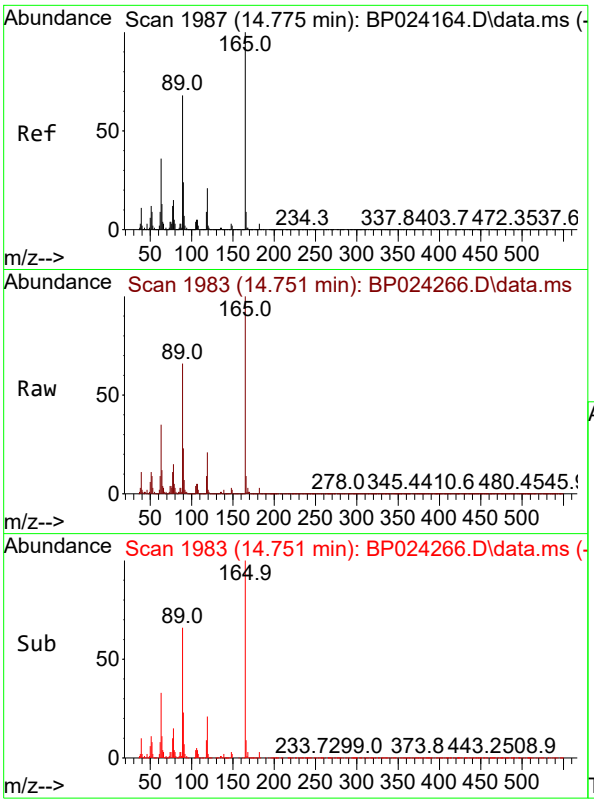


#56
4-Nitrophenol
Concen: 119.418 ng
RT: 14.610 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:139 Resp: 993078

Ion	Ratio	Lower	Upper
139	100		
109	65.7	43.3	83.3
65	82.0	61.2	101.2

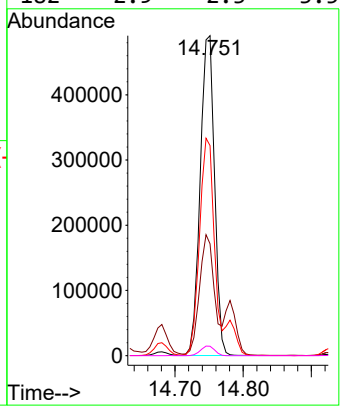




#57
2,4-Dinitrotoluene
Concen: 58.755 ng
RT: 14.751 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:165 Resp: 71514

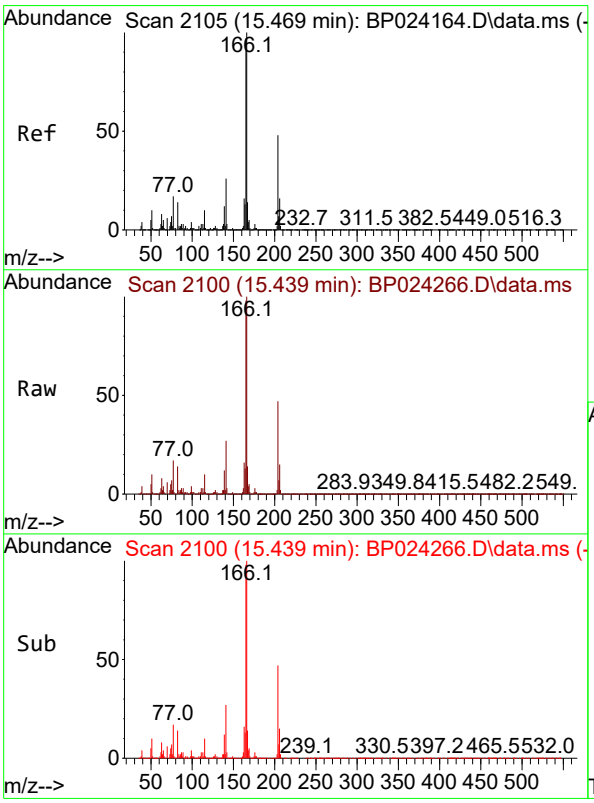
Ion	Ratio	Lower	Upper
165	100		
63	34.9	29.0	43.6
89	65.6	54.2	81.4
182	2.9	2.3	3.5



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations
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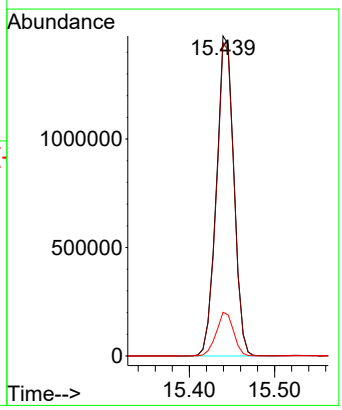
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

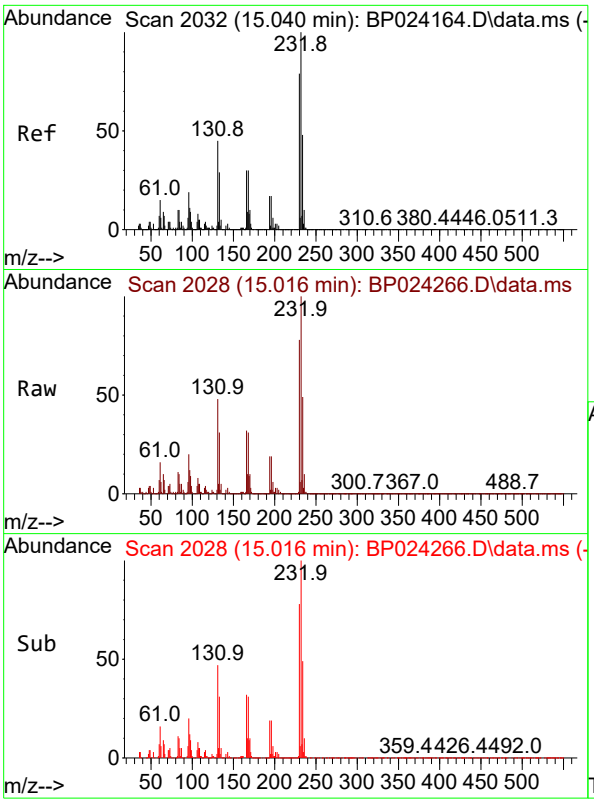


#58
Fluorene
Concen: 48.659 ng
RT: 15.439 min Scan# 2100
Delta R.T. -0.018 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:166 Resp: 2100315

Ion	Ratio	Lower	Upper
166	100		
165	97.9	77.6	116.4
167	13.6	10.8	16.2

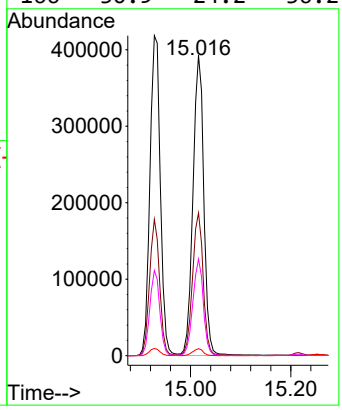




#59
2,3,4,6-Tetrachlorophenol
Concen: 52.813 ng
RT: 15.016 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:232 Resp: 58837

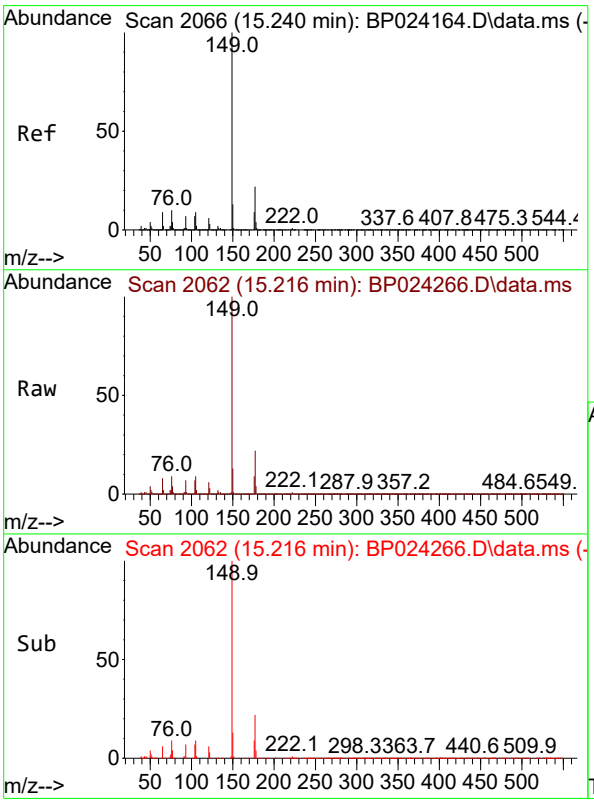
Ion	Ratio	Lower	Upper
232	100		
131	46.9	35.9	53.9
130	2.3	1.8	2.6
166	30.9	24.2	36.2



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations
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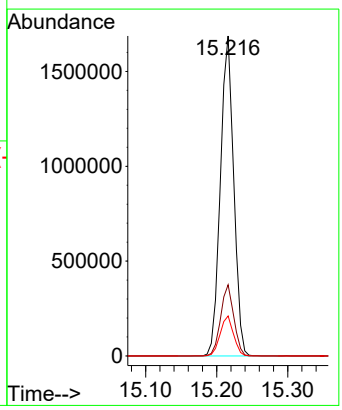
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

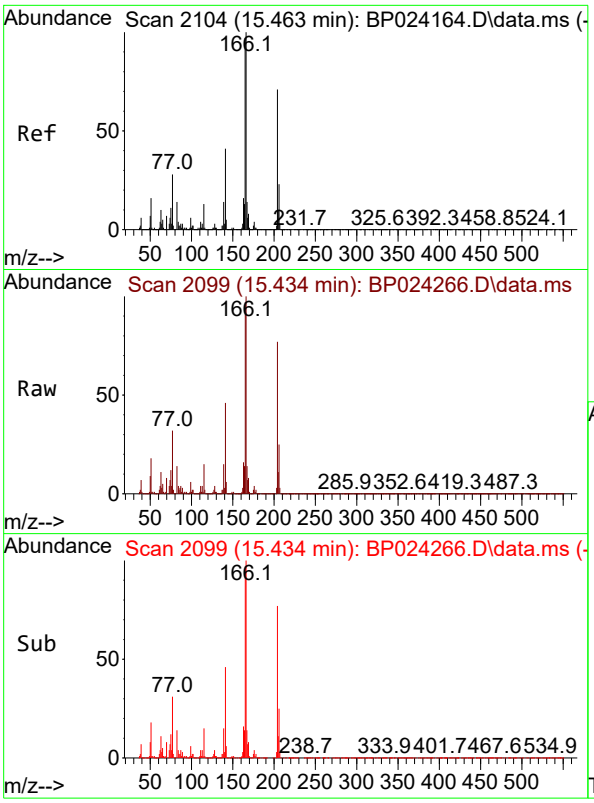


#60
Diethylphthalate
Concen: 50.227 ng
RT: 15.216 min Scan# 2062
Delta R.T. -0.012 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:149 Resp: 2190498

Ion	Ratio	Lower	Upper
149	100		
177	22.3	17.7	26.5
150	12.5	10.2	15.4





#61
4-Chlorophenyl-phenylether
Concen: 47.887 ng
RT: 15.434 min Scan# 2
Delta R.T. -0.023 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

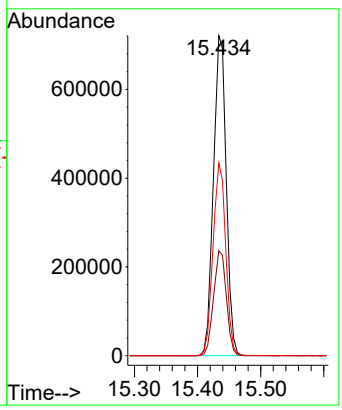
Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

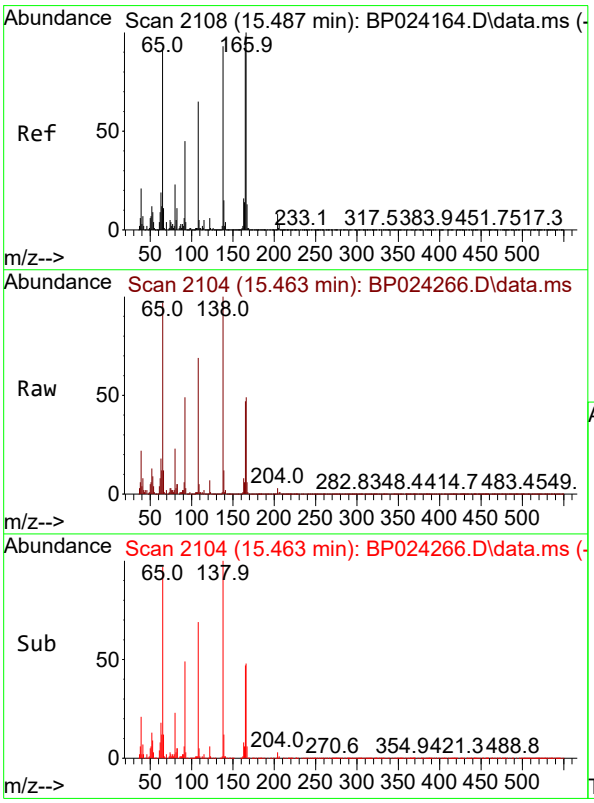
Tgt Ion:204 Resp: 101379

Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.4	39.6
141	60.2	45.8	68.8

Manual Integrations
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Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

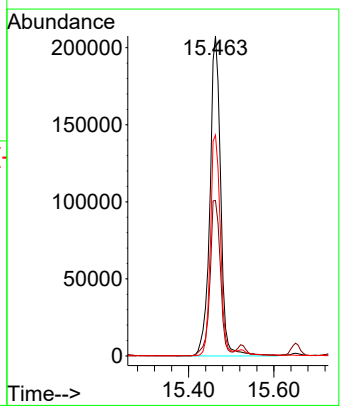


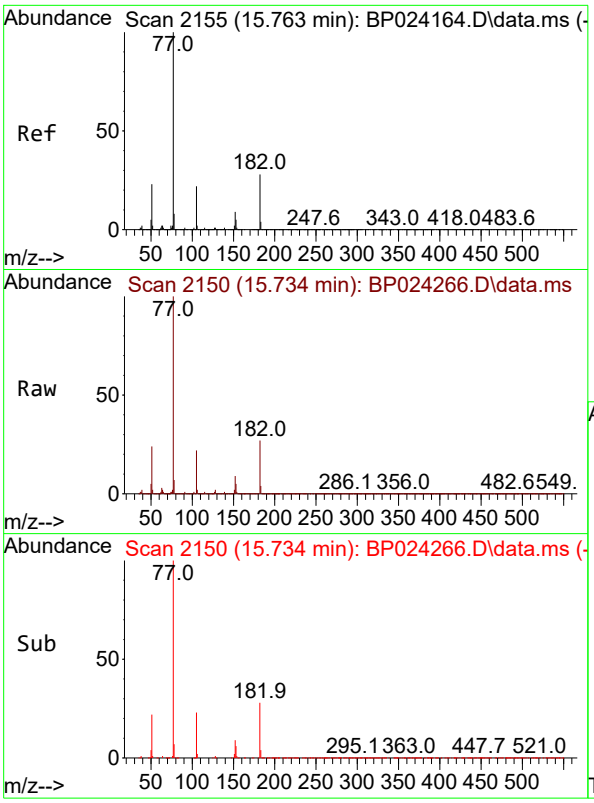


#62
4-Nitroaniline
Concen: 34.855 ng
RT: 15.463 min Scan# 2104
Delta R.T. -0.012 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:138 Resp: 363825

Ion	Ratio	Lower	Upper
138	100		
92	48.6	28.7	68.7
108	69.1	49.5	89.5





#63
Azobenzene
Concen: 48.150 ng
RT: 15.734 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

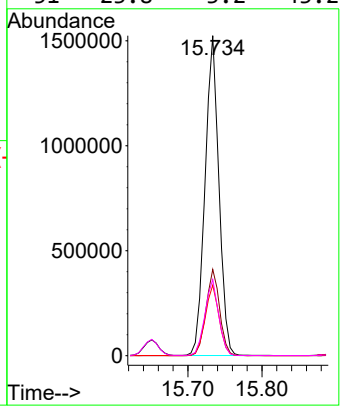
Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

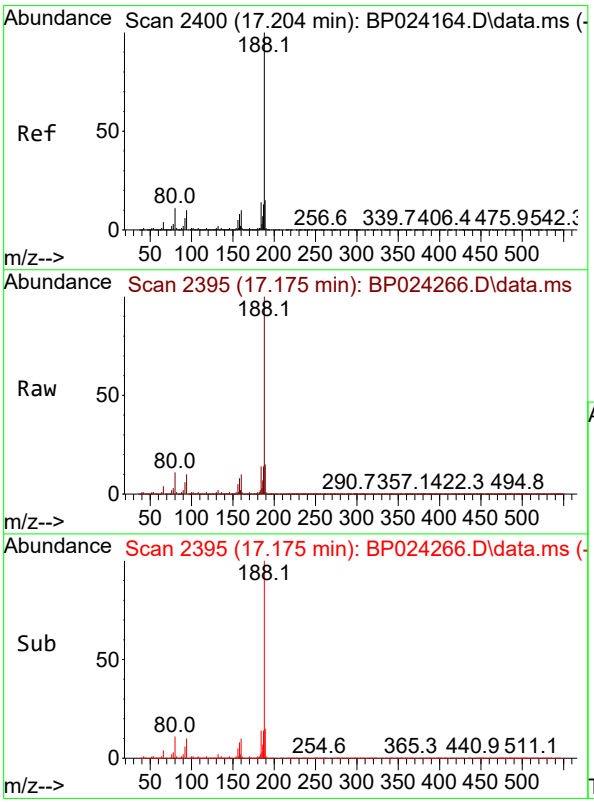
Tgt Ion: 77 Resp: 197922

Ion	Ratio	Lower	Upper
77	100		
182	26.9	7.7	47.7
105	22.0	2.3	42.3
51	23.8	3.2	43.2

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Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

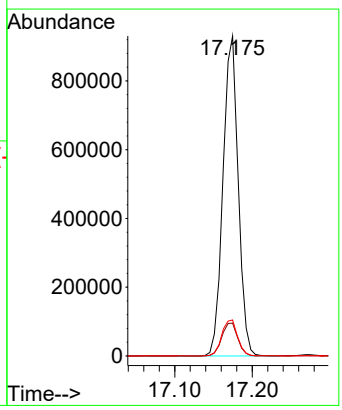


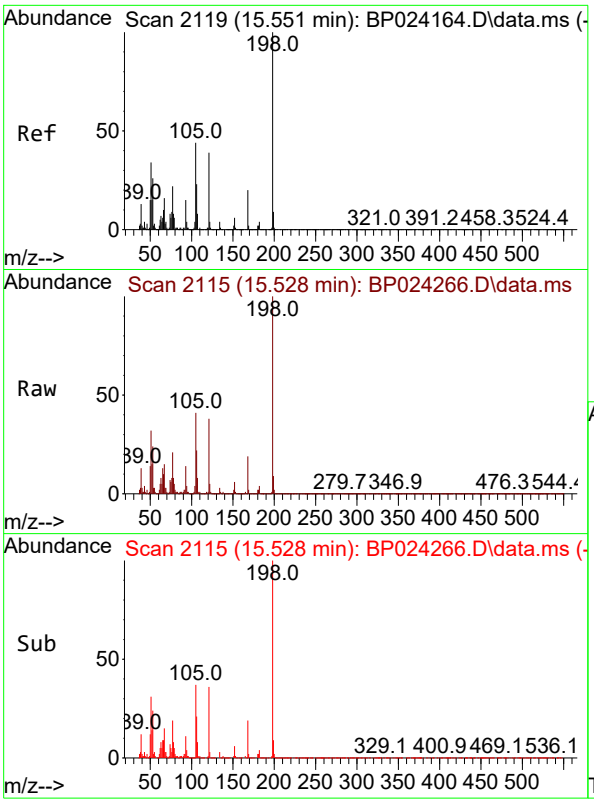


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.175 min Scan# 2395
Delta R.T. -0.017 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:188 Resp: 1269585

Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.1	12.1
80	11.2	8.9	13.3





#65
4,6-Dinitro-2-methylphenol
Concen: 55.222 ng
RT: 15.528 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

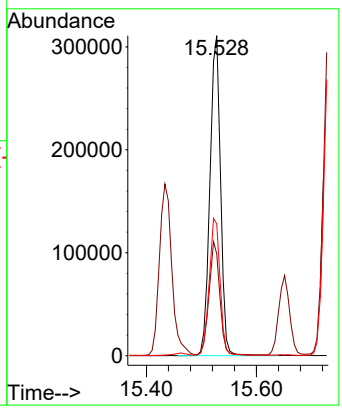
Tgt Ion:198 Resp: 41621

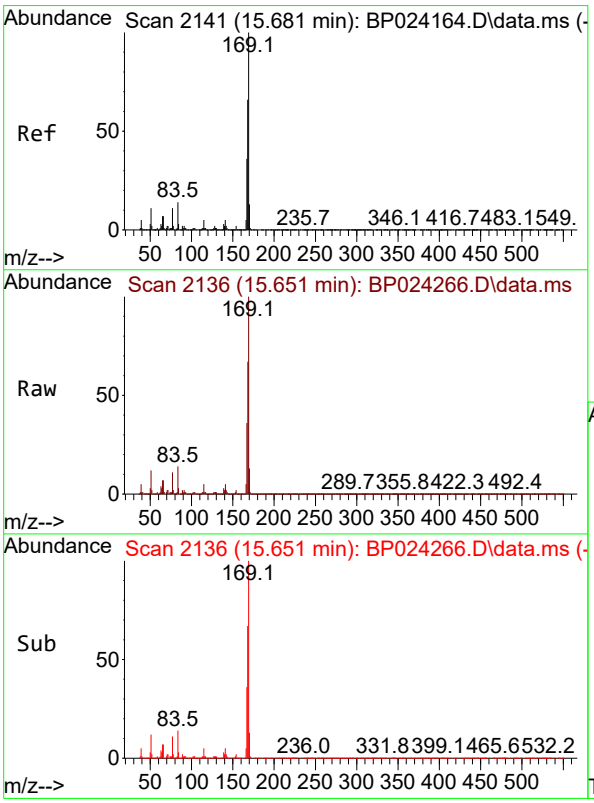
Ion	Ratio	Lower	Upper
198	100		
51	31.8	14.7	54.7
105	41.2	23.8	63.8

Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations
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Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

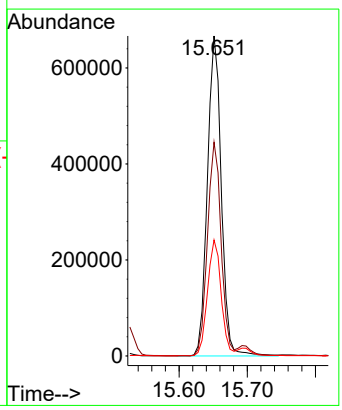


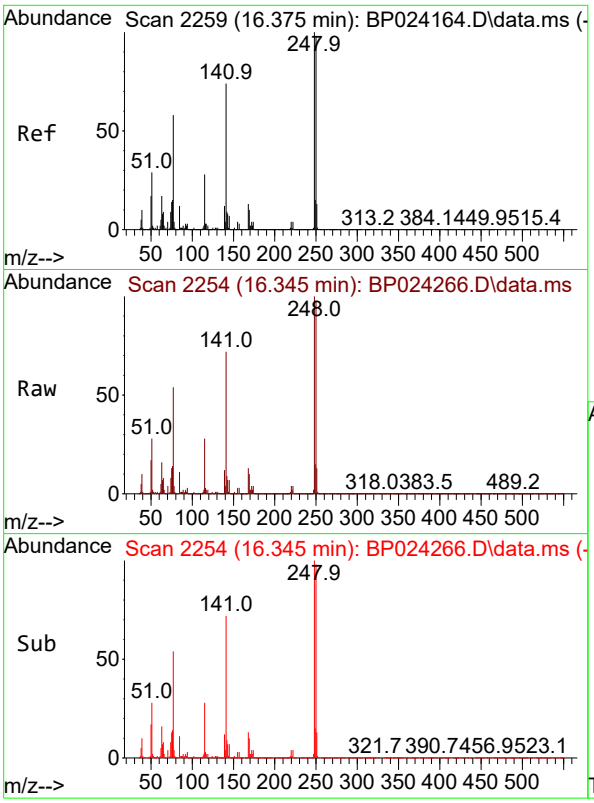


#66
n-Nitrosodiphenylamine
Concen: 24.520 ng
RT: 15.651 min Scan# 2136
Delta R.T. -0.018 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:169 Resp: 945302

Ion	Ratio	Lower	Upper
169	100		
168	66.8	52.9	79.3
167	36.3	28.8	43.2





#67
4-Bromophenyl-phenylether
Concen: 47.593 ng
RT: 16.345 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

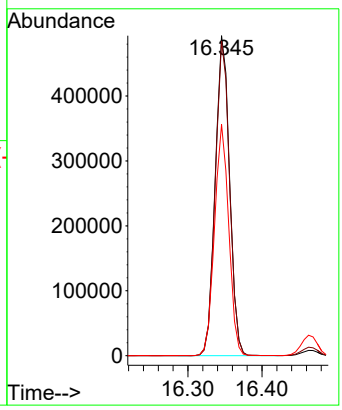
Tgt Ion:248 Resp: 66339

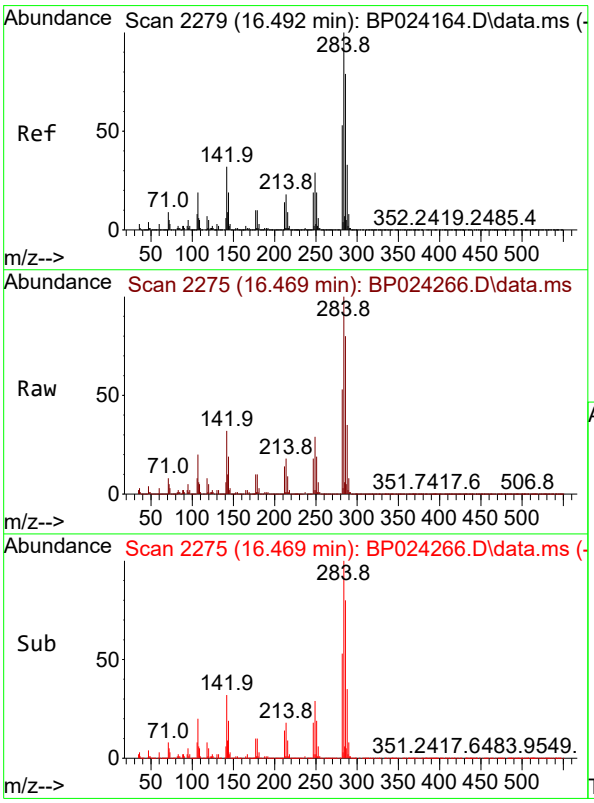
Ion	Ratio	Lower	Upper
248	100		
250	98.4	78.4	117.6
141	72.3	59.4	89.0

Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

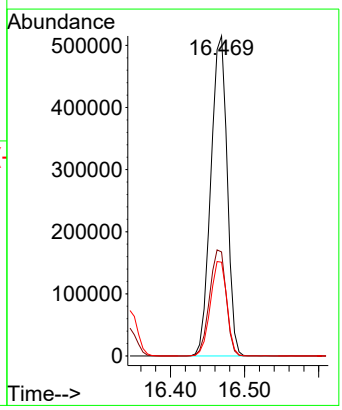


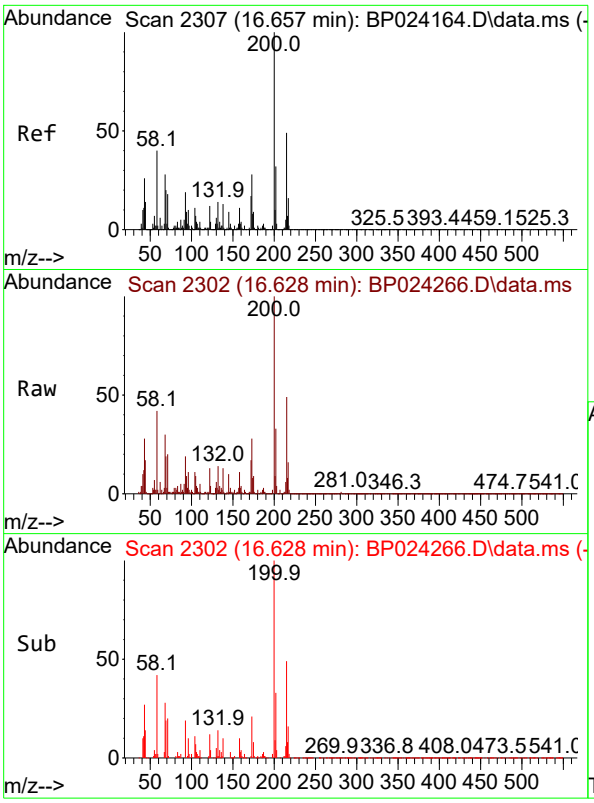


#68
Hexachlorobenzene
Concen: 47.705 ng
RT: 16.469 min Scan# 2275
Delta R.T. -0.012 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:284 Resp: 787040

Ion	Ratio	Lower	Upper
284	100		
142	32.5	25.4	38.2
249	29.3	23.5	35.3

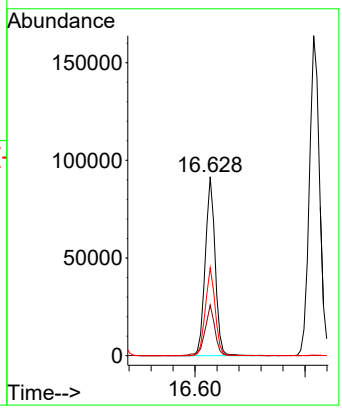




#69
Atrazine
Concen: 12.309 ng
RT: 16.628 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:200 Resp: 11454

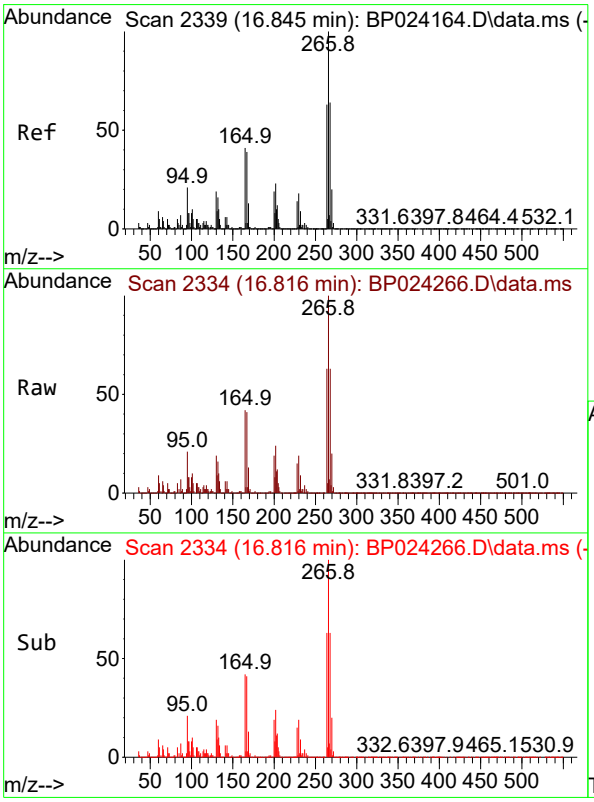
Ion	Ratio	Lower	Upper
200	100		
173	28.3	7.6	47.6
215	49.1	29.0	69.0



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations
APPROVED

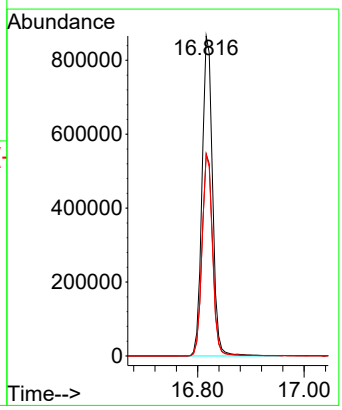
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

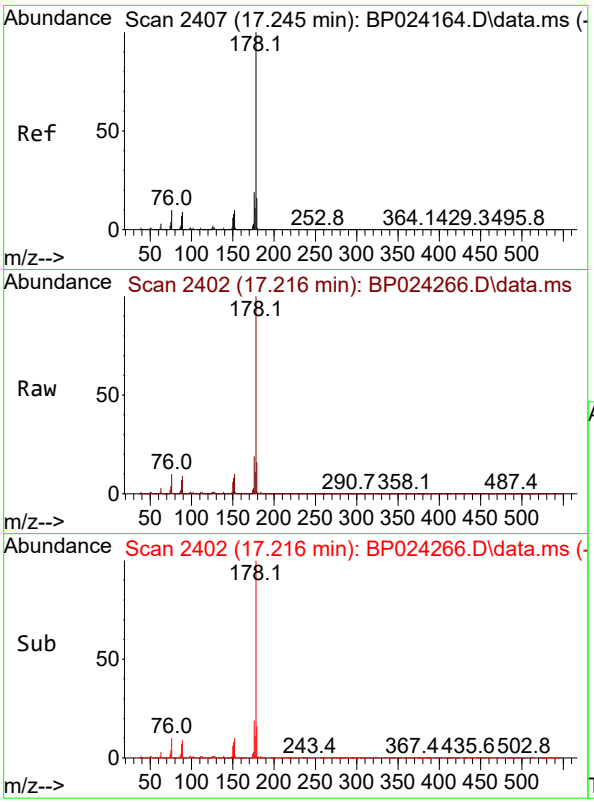


#70
Pentachlorophenol
Concen: 110.830 ng
RT: 16.816 min Scan# 2334
Delta R.T. -0.023 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:266 Resp: 1182455

Ion	Ratio	Lower	Upper
266	100		
268	63.2	51.3	76.9
264	62.9	50.6	76.0

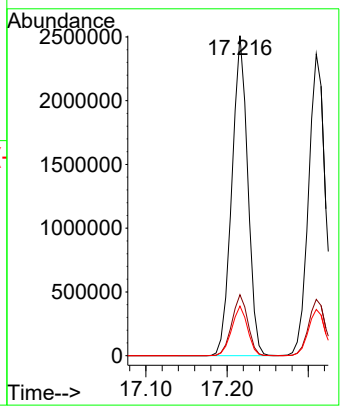




#71
Phenanthrene
Concen: 49.058 ng
RT: 17.216 min Scan# 24
Delta R.T. -0.023 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:178 Resp: 340253

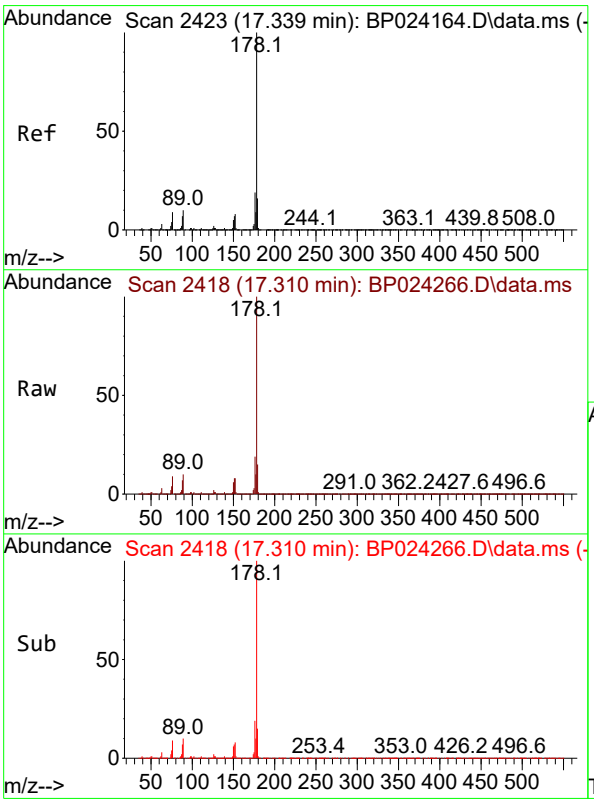
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.6	23.4
179	15.5	12.5	18.7



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations
APPROVED

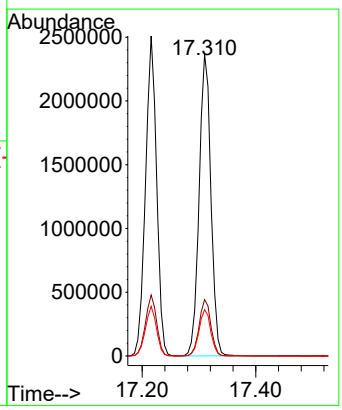
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

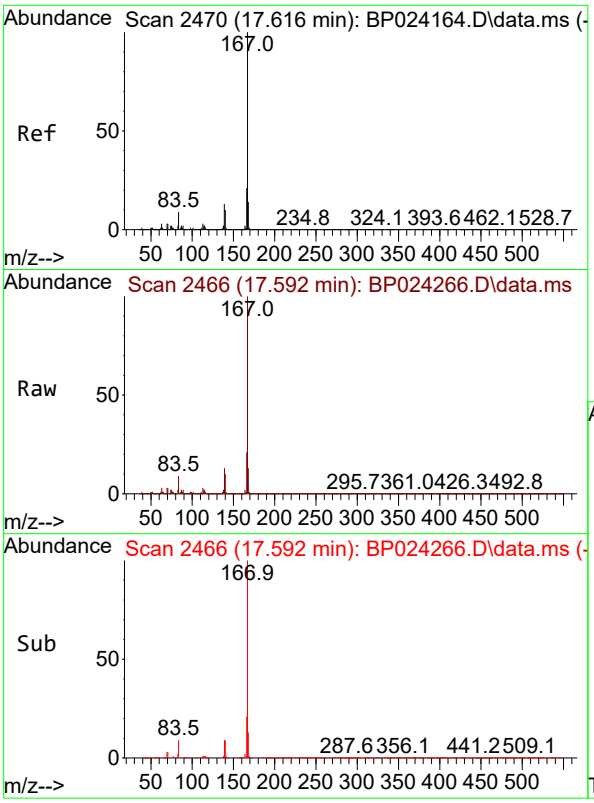


#72
Anthracene
Concen: 50.389 ng
RT: 17.310 min Scan# 2418
Delta R.T. -0.012 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:178 Resp: 3403799

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.2	22.8
179	15.4	12.6	18.8

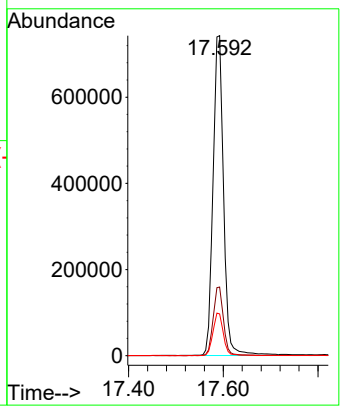




#73
Carbazole
Concen: 17.633 ng
RT: 17.592 min Scan# 24
Delta R.T. -0.017 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:167 Resp: 114866

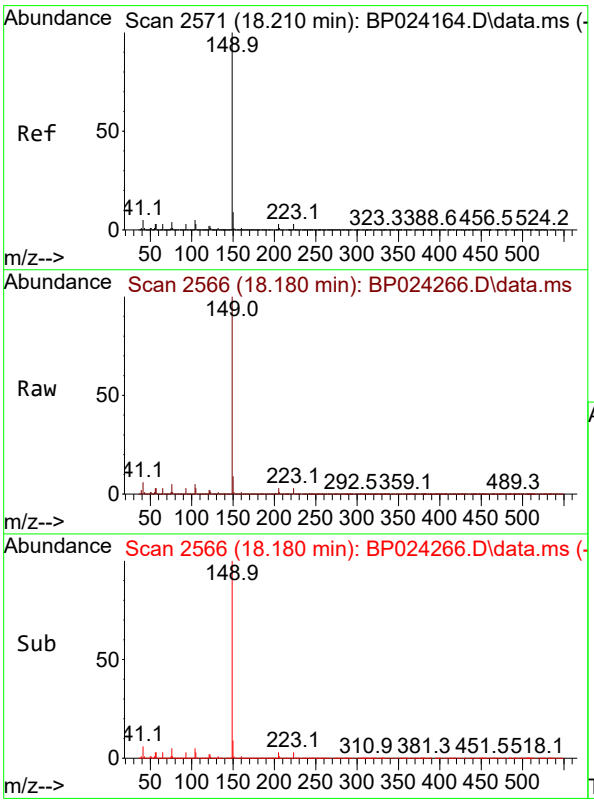
Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.1	25.7
139	13.0	10.2	15.4



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations
APPROVED

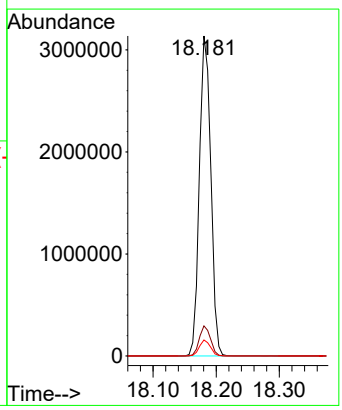
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

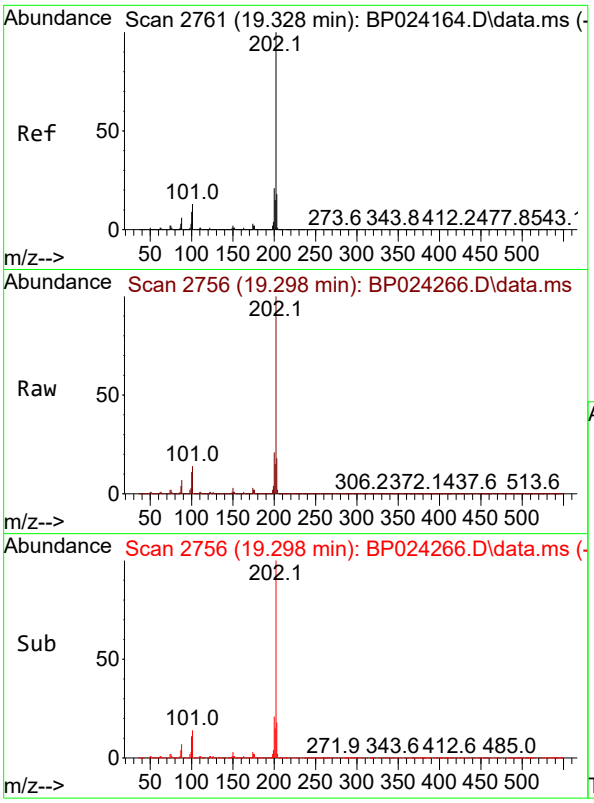


#74
Di-n-butylphthalate
Concen: 50.956 ng
RT: 18.180 min Scan# 2566
Delta R.T. -0.023 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:149 Resp: 3940573

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.6	11.4
104	5.0	3.9	5.9

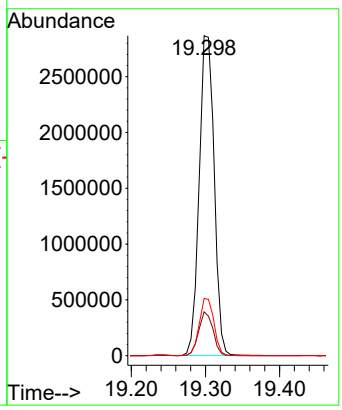




#75
Fluoranthene
Concen: 50.069 ng
RT: 19.298 min Scan# 2
Delta R.T. -0.023 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:202 Resp: 402186

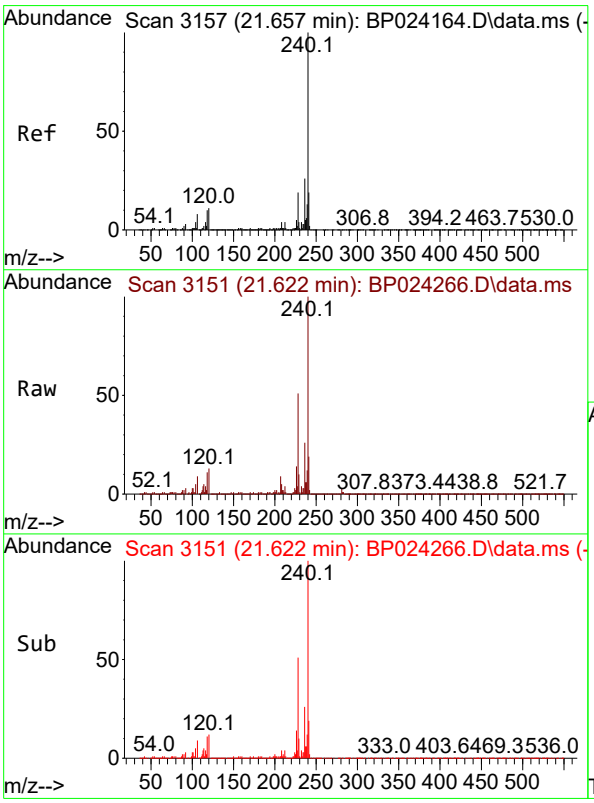
Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	32.5
203	17.8	0.0	37.9



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations
APPROVED

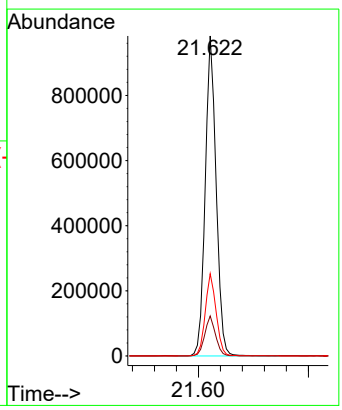
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

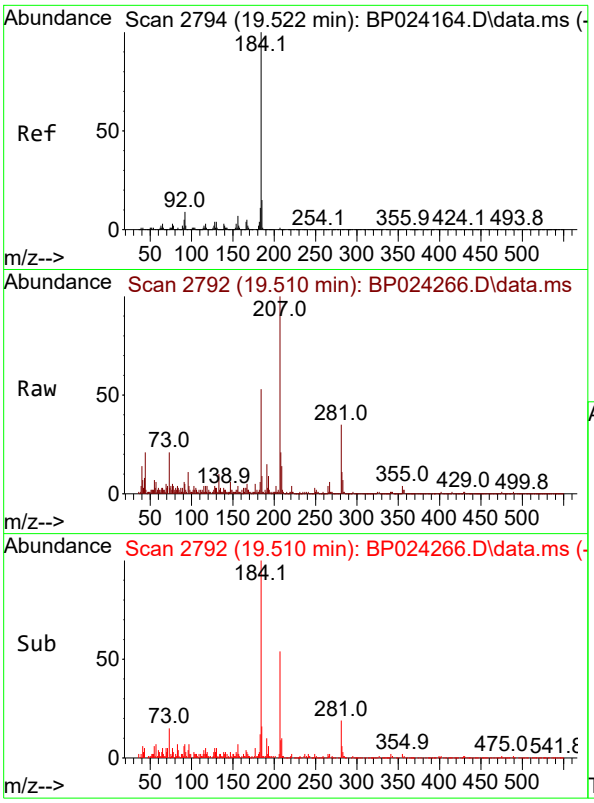


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.622 min Scan# 3151
Delta R.T. -0.023 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:240 Resp: 1347511

Ion	Ratio	Lower	Upper
240	100		
120	12.5	9.2	13.8
236	25.7	20.4	30.6

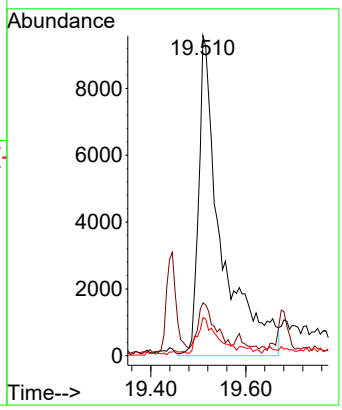




#77
Benzidine
Concen: 2.158 ng m
RT: 19.510 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:184 Resp: 3178

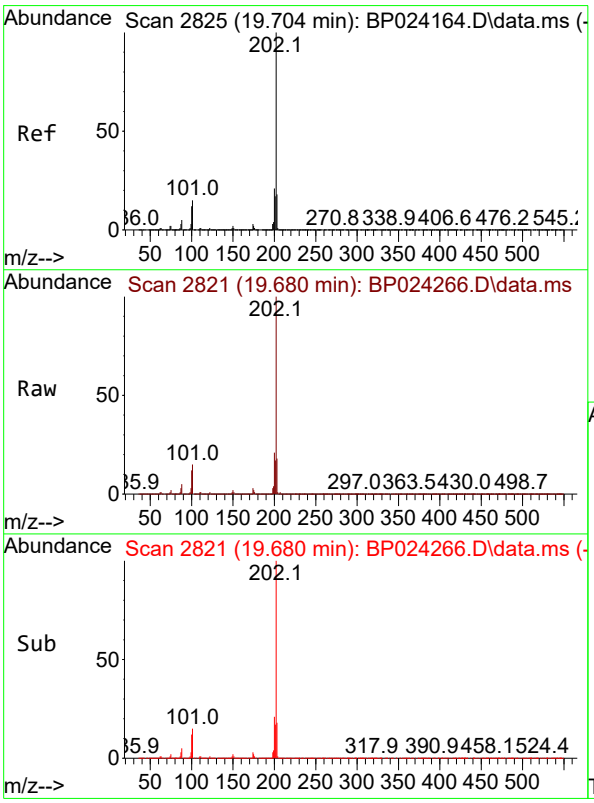
Ion	Ratio	Lower	Upper
184	100		
185	16.5	11.8	17.6
183	11.9	9.1	13.7



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations
APPROVED

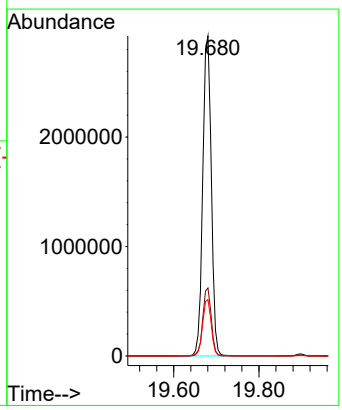
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

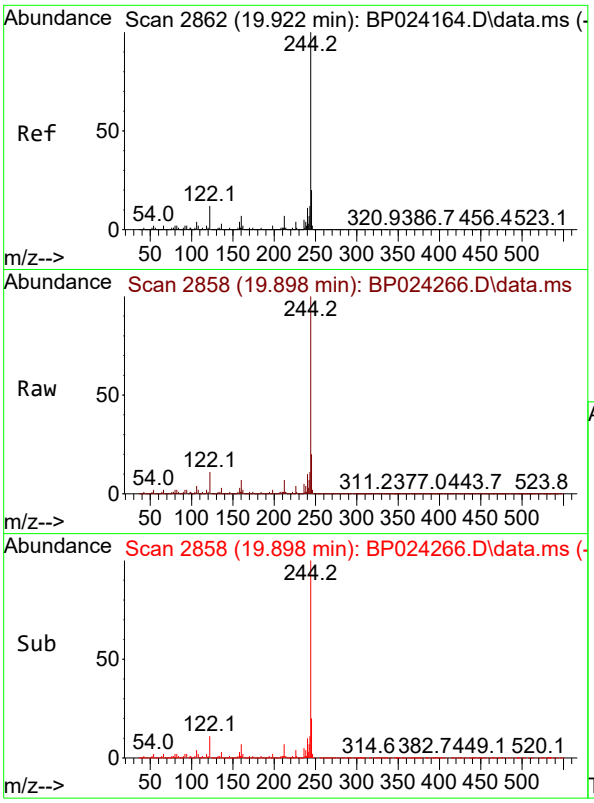


#78
Pyrene
Concen: 48.678 ng
RT: 19.680 min Scan# 2821
Delta R.T. -0.018 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:202 Resp: 4077965

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.1	25.7
203	17.6	14.2	21.4

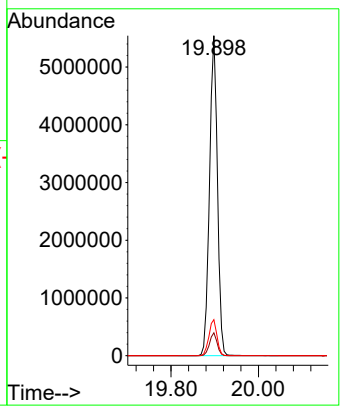




#79
Terphenyl-d14
Concen: 106.785 ng
RT: 19.898 min Scan# 2
Delta R.T. -0.017 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:244 Resp: 697084

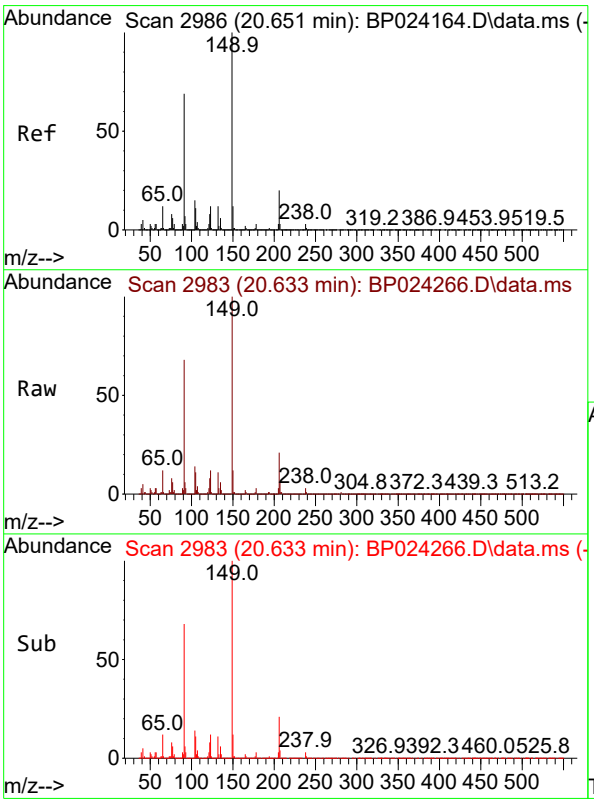
Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.7	8.5
122	11.3	9.6	14.4



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations
APPROVED

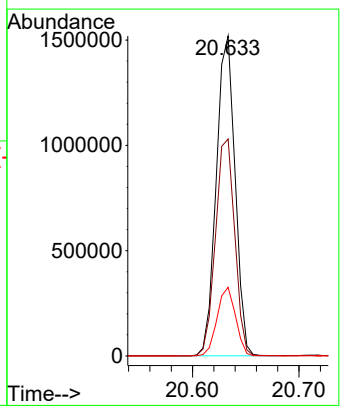
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

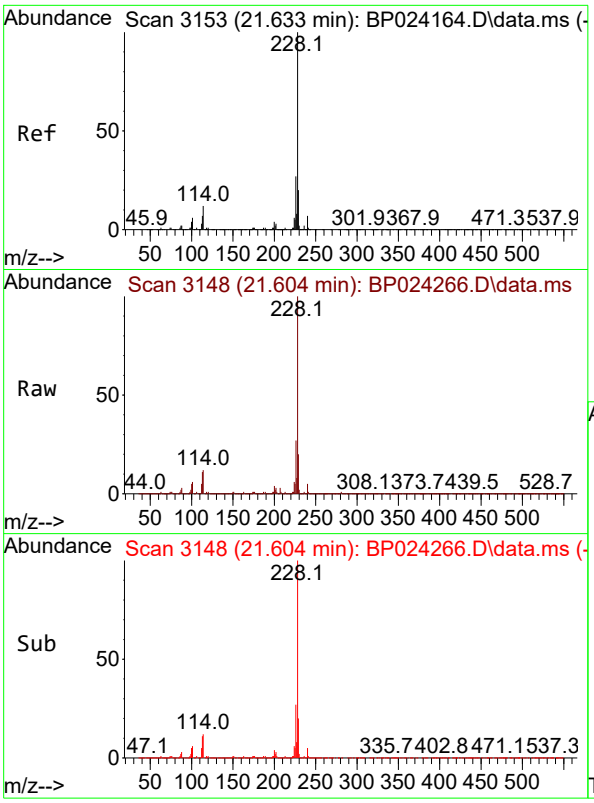


#80
Butylbenzylphthalate
Concen: 53.813 ng
RT: 20.633 min Scan# 2983
Delta R.T. -0.012 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:149 Resp: 1859078

Ion	Ratio	Lower	Upper
149	100		
91	67.8	55.3	82.9
206	21.5	16.1	24.1





#81
Benzo(a)anthracene
Concen: 49.878 ng
RT: 21.604 min Scan# 3
Delta R.T. -0.017 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

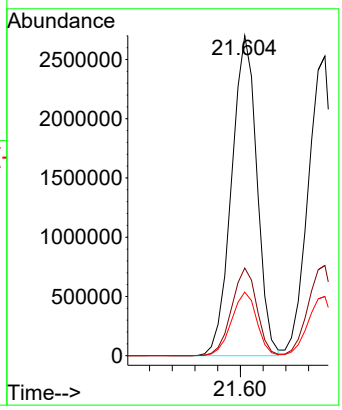
Tgt Ion:228 Resp: 417867

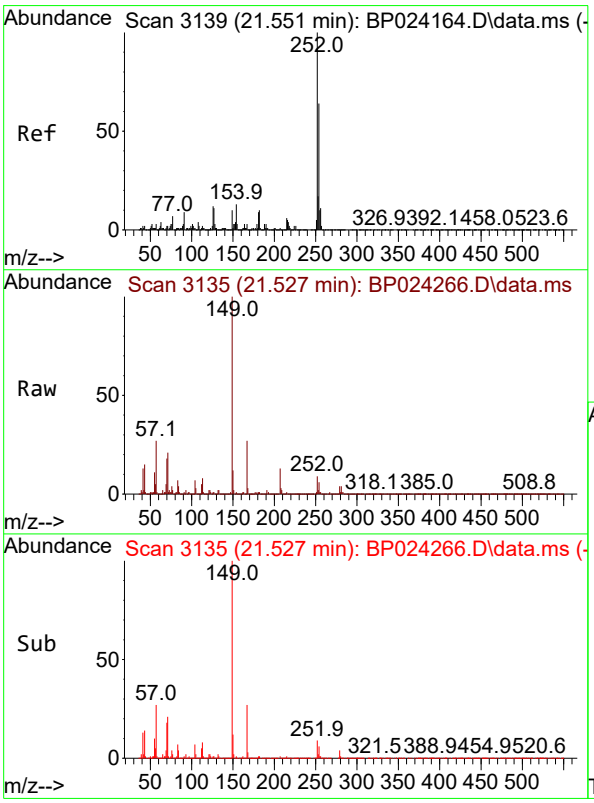
Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.8	32.8
229	19.9	16.0	24.0

Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations
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Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

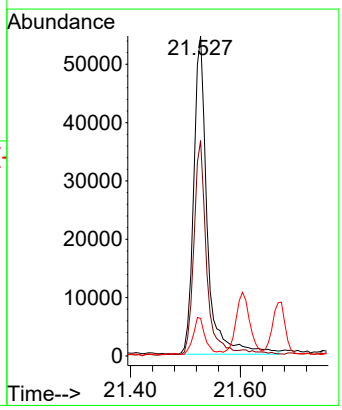


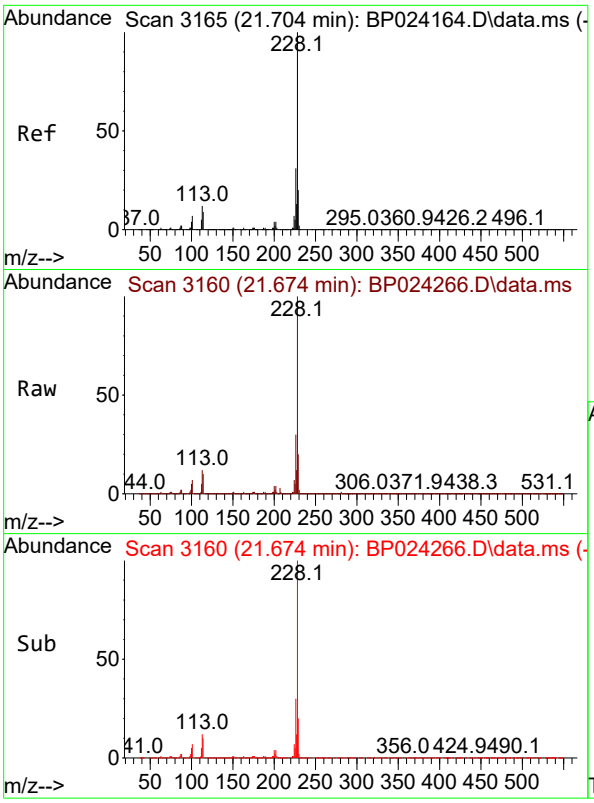


#82
3,3'-Dichlorobenzidine
Concen: 3.329 ng
RT: 21.527 min Scan# 3135
Delta R.T. -0.012 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:252 Resp: 93478

Ion	Ratio	Lower	Upper
252	100		
254	67.3	51.4	77.2
126	11.8	9.3	13.9

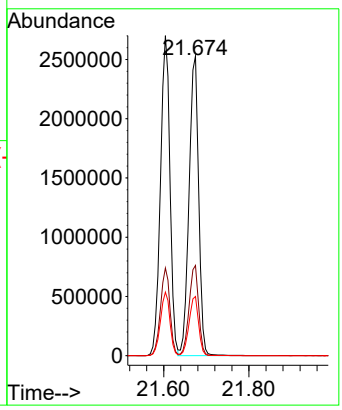




#83
Chrysene
Concen: 49.110 ng
RT: 21.674 min Scan# 3
Delta R.T. -0.017 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:228 Resp: 395520

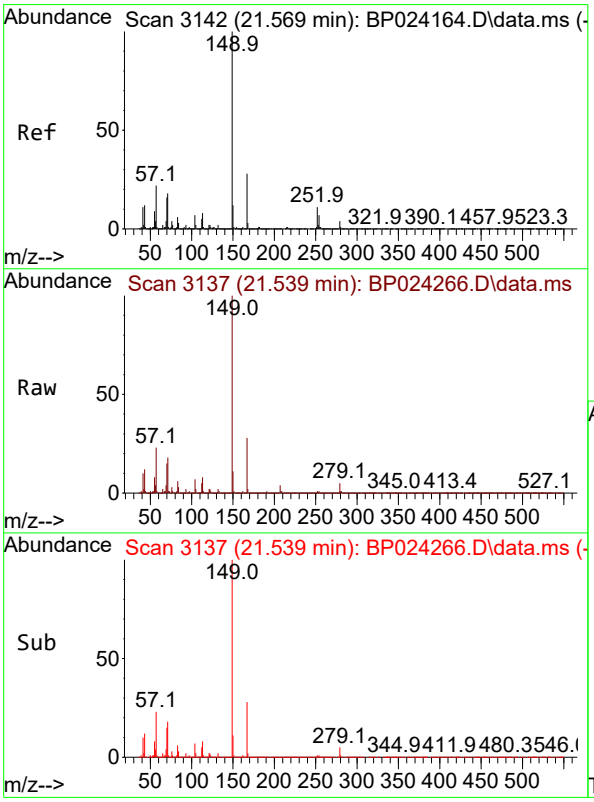
Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.5	36.7
229	19.7	16.2	24.2



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations
APPROVED

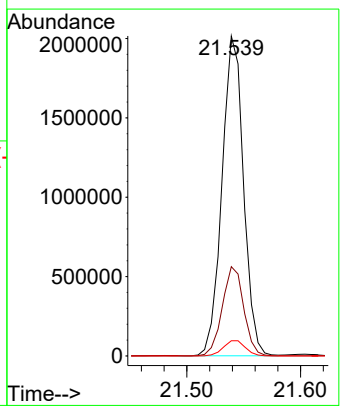
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

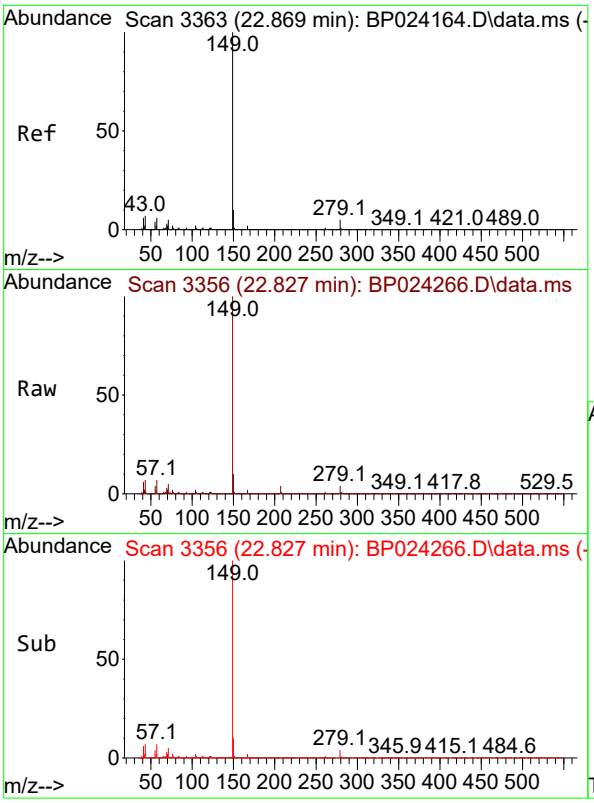


#84
Bis(2-ethylhexyl)phthalate
Concen: 50.938 ng
RT: 21.539 min Scan# 3137
Delta R.T. -0.017 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:149 Resp: 2655288

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.5	33.7
279	4.8	3.6	5.4

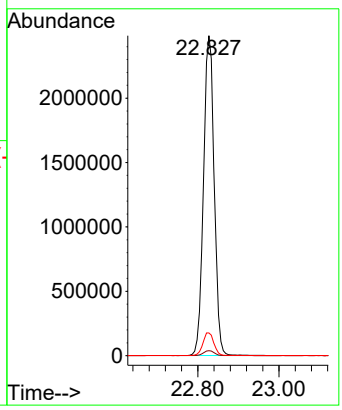




#85
Di-n-octyl phthalate
Concen: 54.022 ng
RT: 22.827 min Scan# 3
Delta R.T. -0.017 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:149 Resp: 451189

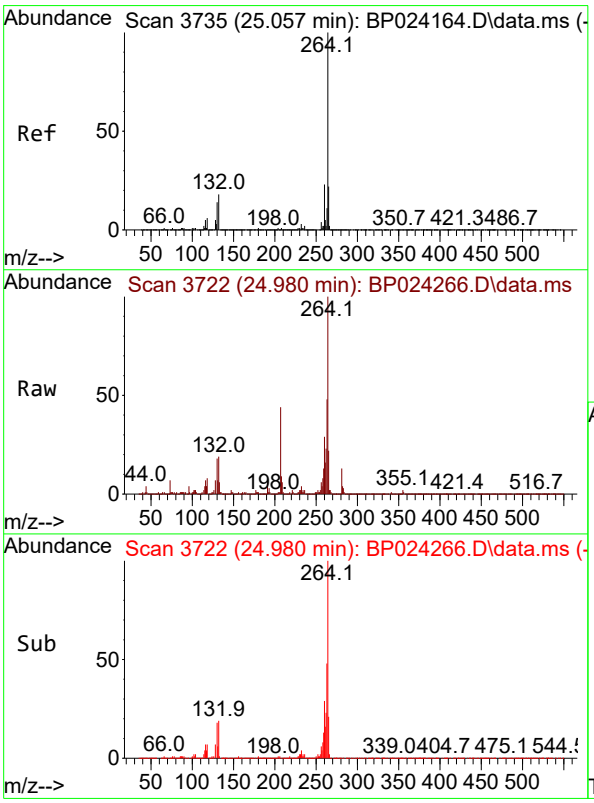
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.3	5.8	8.8



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations
APPROVED

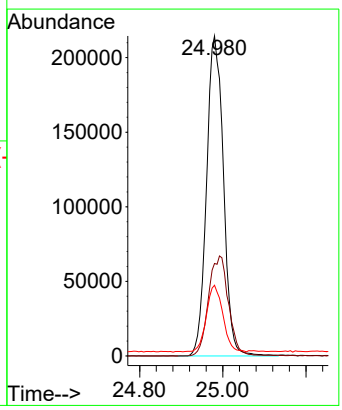
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

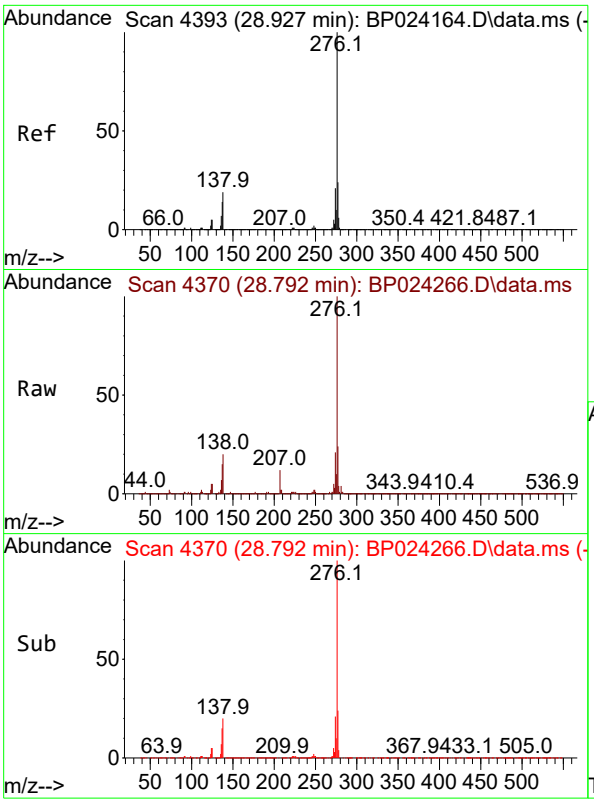


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.980 min Scan# 3722
Delta R.T. -0.029 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:264 Resp: 604991

Ion	Ratio	Lower	Upper
264	100		
260	28.9	18.5	27.7#
265	22.1	17.7	26.5

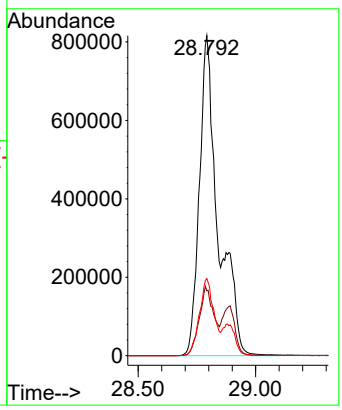




#87
Indeno(1,2,3-cd)pyrene
Concen: 107.519 ng m
RT: 28.792 min Scan# 4
Delta R.T. -0.047 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:276 Resp: 453985

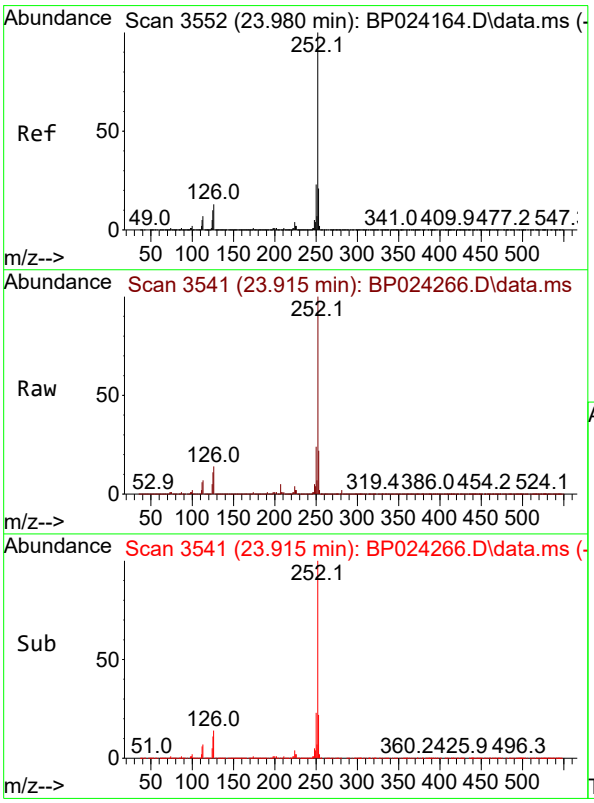
Ion	Ratio	Lower	Upper
276	100		
138	16.9	13.7	20.5
277	18.8	20.2	30.2



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations
APPROVED

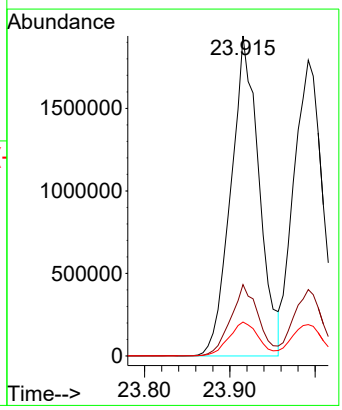
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

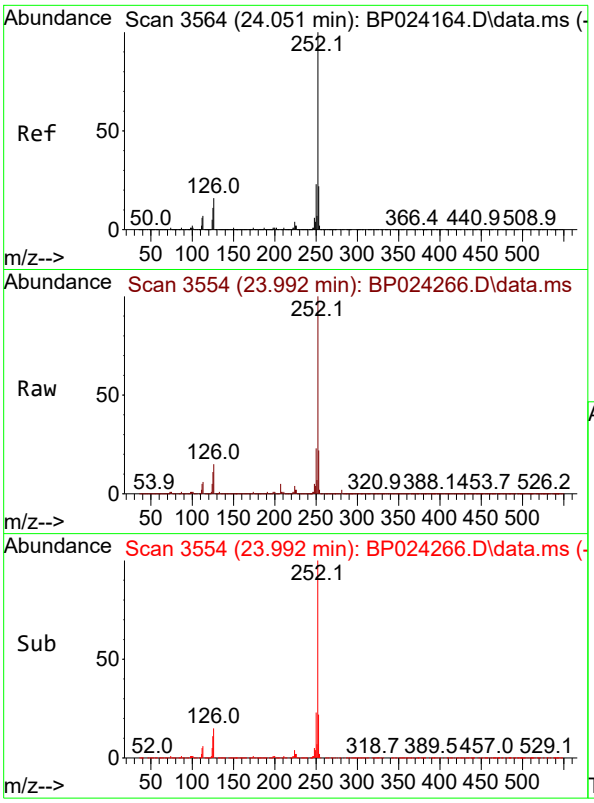


#88
Benzo(b)fluoranthene
Concen: 122.262 ng
RT: 23.915 min Scan# 3541
Delta R.T. -0.023 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:252 Resp: 4459795

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	10.6	8.2	12.4

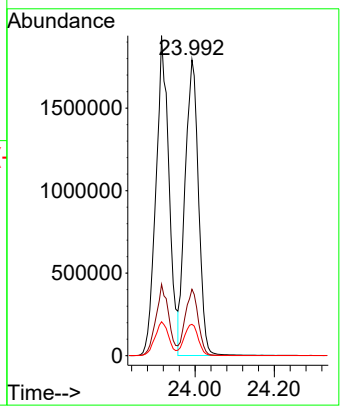




#89
Benzo(k)fluoranthene
Concen: 117.477 ng
RT: 23.992 min Scan# 3
Delta R.T. -0.023 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:252 Resp: 419176

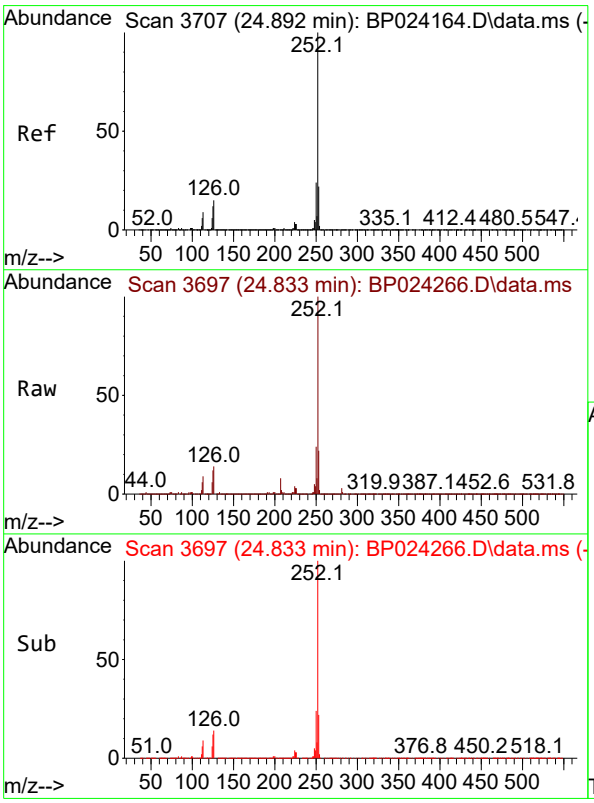
Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.7	26.5
125	10.6	9.1	13.7



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations
APPROVED

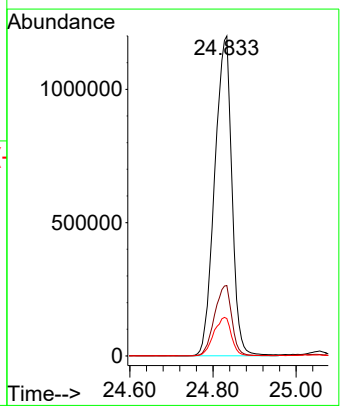
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

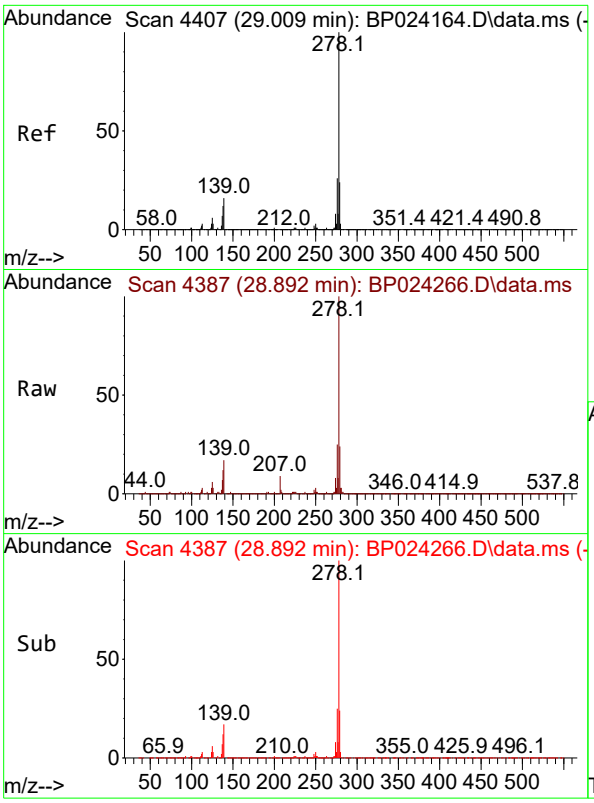


#90
Benzo(a)pyrene
Concen: 108.577 ng
RT: 24.833 min Scan# 3697
Delta R.T. -0.017 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:252 Resp: 3444003

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	11.7	9.6	14.4

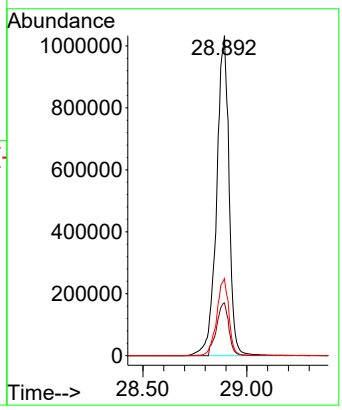




#91
Dibenzo(a,h)anthracene
Concen: 122.013 ng
RT: 28.892 min Scan# 4
Delta R.T. -0.029 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:278 Resp: 428609

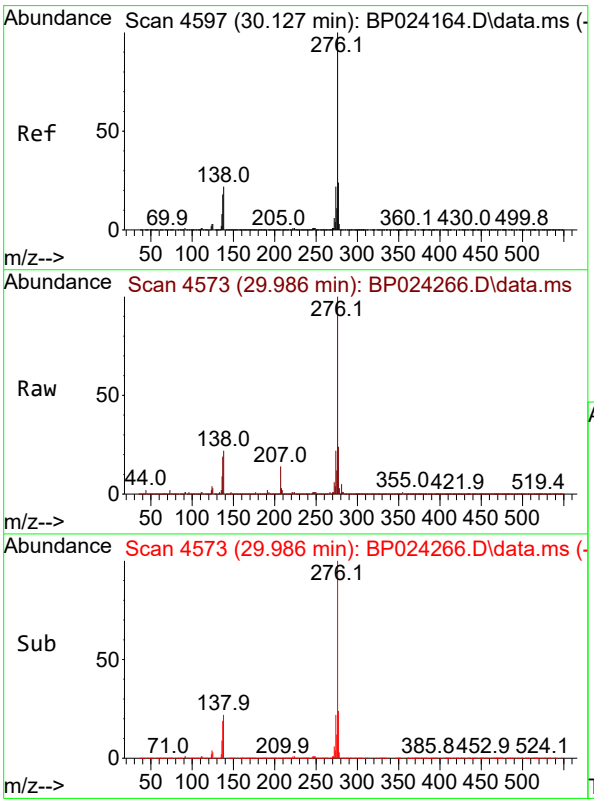
Ion	Ratio	Lower	Upper
278	100		
139	16.5	13.0	19.4
279	24.0	18.8	28.2



Instrument :
BNA_P
ClientSampleId :
IB-1.5-WCMSD

Manual Integrations
APPROVED

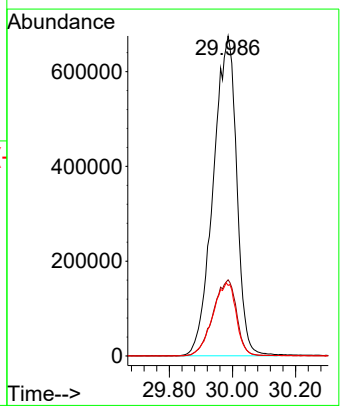
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025



#92
Benzo(g,h,i)perylene
Concen: 97.427 ng
RT: 29.986 min Scan# 4573
Delta R.T. -0.023 min
Lab File: BP024266.D
Acq: 11 Apr 2025 15:00

Tgt Ion:276 Resp: 3479023

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.2	28.8
138	22.1	17.4	26.2



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Manual Integration Report

Sequence:	BP031225	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BP024161.D	Benzaldehyde	anahy	3/13/2025 11:10:33 AM	Jagrut	3/13/2025 11:45:04 AM	Peak Integrated by Software
SSTDICC050	BP024165.D	Pyridine	anahy	3/13/2025 11:11:20 AM	Jagrut	3/13/2025 11:45:07 AM	Peak Integrated by Software
SSTDICC060	BP024166.D	Indeno(1,2,3-cd)pyrene	anahy	3/13/2025 11:38:58 AM	Jagrut	3/13/2025 11:45:09 AM	Peak Integrated by Software
SSTDICC060	BP024166.D	Pyridine	anahy	3/13/2025 11:38:58 AM	Jagrut	3/13/2025 11:45:09 AM	Peak Integrated by Software
SSTDICC080	BP024167.D	Pyridine	anahy	3/13/2025 11:39:57 AM	Jagrut	3/13/2025 11:45:11 AM	Peak Integrated by Software
SSTDICV040	BP024168.D	Benzo(g,h,i)perylene	anahy	3/13/2025 11:40:49 AM	Jagrut	3/13/2025 11:45:14 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bp041125	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP024259.D	Benzoic acid	Rahul	4/14/2025 11:09:26 AM	Jagrut	4/14/2025 3:52:48 PM	Peak Integrated by Software
Q1748-04MS	BP024265.D	Benzidine	Rahul	4/14/2025 11:09:30 AM	Jagrut	4/14/2025 3:52:50 PM	Peak Integrated by Software
Q1748-04MS	BP024265.D	Benzoic acid	Rahul	4/14/2025 11:09:30 AM	Jagrut	4/14/2025 3:52:50 PM	Peak Integrated by Software
Q1748-04MSD	BP024266.D	Benzidine	Rahul	4/14/2025 11:09:34 AM	Jagrut	4/14/2025 3:52:53 PM	Peak Integrated by Software
Q1748-04MSD	BP024266.D	Indeno(1,2,3-cd)pyrene	Rahul	4/14/2025 11:09:34 AM	Jagrut	4/14/2025 3:52:53 PM	Peak Integrated by Software

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP031225

Review By	anahy	Review On	3/13/2025 11:41:15 AM				
Supervise By	Jagrut	Supervise On	3/17/2025 4:44:19 PM				
SubDirectory	BP031225	HP Acquire Method	BNA_P		HP Processing Method	bp031225	

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024159.D	12 Mar 2025 15:36	RC/JU	Ok
2	SSTDICC2.5	BP024160.D	12 Mar 2025 16:17	RC/JU	Ok
3	SSTDICC005	BP024161.D	12 Mar 2025 16:57	RC/JU	Ok,M
4	SSTDICC010	BP024162.D	12 Mar 2025 17:38	RC/JU	Ok
5	SSTDICC020	BP024163.D	12 Mar 2025 18:19	RC/JU	Ok
6	SSTDICCC040	BP024164.D	12 Mar 2025 19:00	RC/JU	Ok
7	SSTDICC050	BP024165.D	12 Mar 2025 19:41	RC/JU	Ok,M
8	SSTDICC060	BP024166.D	12 Mar 2025 20:21	RC/JU	Ok,M
9	SSTDICC080	BP024167.D	12 Mar 2025 21:02	RC/JU	Ok,M
10	SSTDICV040	BP024168.D	12 Mar 2025 21:43	RC/JU	Ok,M
11	PB167078BL	BP024169.D	12 Mar 2025 22:24	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP041125

Review By	Rahul	Review On	4/14/2025 11:10:32 AM		
Supervise By	Jagrut	Supervise On	4/14/2025 3:53:13 PM		
SubDirectory	BP041125	HP Acquire Method	BNA_P	HP Processing Method	bp031225

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12658,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024258.D	11 Apr 2025 09:02	RC/JU	Ok
2	SSTDCCC040	BP024259.D	11 Apr 2025 09:43	RC/JU	Ok,M
3	PB167537BL	BP024260.D	11 Apr 2025 10:23	RC/JU	Ok
4	PB167537BS	BP024261.D	11 Apr 2025 11:04	RC/JU	Ok
5	PB167517TB	BP024262.D	11 Apr 2025 11:45	RC/JU	Ok
6	PB167518BS	BP024263.D	11 Apr 2025 12:25	RC/JU	Ok
7	Q1749-04	BP024264.D	11 Apr 2025 13:38	RC/JU	Ok
8	Q1748-04MS	BP024265.D	11 Apr 2025 14:19	RC/JU	Ok,M
9	Q1748-04MSD	BP024266.D	11 Apr 2025 15:00	RC/JU	Ok,M
10	Q1746-02	BP024267.D	11 Apr 2025 15:40	RC/JU	Ok
11	Q1746-04	BP024268.D	11 Apr 2025 16:21	RC/JU	Ok
12	Q1744-02	BP024269.D	11 Apr 2025 17:02	RC/JU	Ok
13	Q1744-04	BP024270.D	11 Apr 2025 17:42	RC/JU	Ok
14	Q1752-02	BP024271.D	11 Apr 2025 18:23	RC/JU	Ok
15	Q1752-04	BP024272.D	11 Apr 2025 19:04	RC/JU	Ok
16	Q1752-06	BP024273.D	11 Apr 2025 19:45	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP031225

Review By	anahy	Review On	3/13/2025 11:41:15 AM		
Supervise By	Jagrut	Supervise On	3/17/2025 4:44:19 PM		
SubDirectory	BP031225	HP Acquire Method	BNA_P	HP Processing Method	bp031225

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP024159.D	12 Mar 2025 15:36		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BP024160.D	12 Mar 2025 16:17		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BP024161.D	12 Mar 2025 16:57	Compound #32,54,65 removed from 5ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BP024162.D	12 Mar 2025 17:38		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BP024163.D	12 Mar 2025 18:19		RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BP024164.D	12 Mar 2025 19:00	This calibration is good for 8270E and 8270E DOD methods	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BP024165.D	12 Mar 2025 19:41		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BP024166.D	12 Mar 2025 20:21	Compound #69 Removed from 60PPM	RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BP024167.D	12 Mar 2025 21:02	Compound #32,54,69 Removed from 80PPM	RC/JU	Ok,M
10	SSTDICV040	ICVBP031225	BP024168.D	12 Mar 2025 21:43		RC/JU	Ok,M
11	PB167078BL	PB167078BL	BP024169.D	12 Mar 2025 22:24		RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP041125

Review By	Rahul	Review On	4/14/2025 11:10:32 AM		
Supervise By	Jagrut	Supervise On	4/14/2025 3:53:13 PM		
SubDirectory	BP041125	HP Acquire Method	BNA_P	HP Processing Method	bp031225

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12658,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP024258.D	11 Apr 2025 09:02		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP024259.D	11 Apr 2025 09:43	CCC fail high side for com. #32 and #77	RC/JU	Ok,M
3	PB167537BL	PB167537BL	BP024260.D	11 Apr 2025 10:23		RC/JU	Ok
4	PB167537BS	PB167537BS	BP024261.D	11 Apr 2025 11:04		RC/JU	Ok
5	PB167517TB	PB167517TB	BP024262.D	11 Apr 2025 11:45		RC/JU	Ok
6	PB167518BS	PB167518BS	BP024263.D	11 Apr 2025 12:25		RC/JU	Ok
7	Q1749-04	TP-14	BP024264.D	11 Apr 2025 13:38		RC/JU	Ok
8	Q1748-04MS	IB-1.5-WCMS	BP024265.D	11 Apr 2025 14:19		RC/JU	Ok,M
9	Q1748-04MSD	IB-1.5-WCMSD	BP024266.D	11 Apr 2025 15:00		RC/JU	Ok,M
10	Q1746-02	B-149-SB01	BP024267.D	11 Apr 2025 15:40		RC/JU	Ok
11	Q1746-04	B-149-SB02	BP024268.D	11 Apr 2025 16:21		RC/JU	Ok
12	Q1744-02	B-158-SB01	BP024269.D	11 Apr 2025 17:02		RC/JU	Ok
13	Q1744-04	B-158-SB02	BP024270.D	11 Apr 2025 17:42		RC/JU	Ok
14	Q1752-02	TP-1	BP024271.D	11 Apr 2025 18:23		RC/JU	Ok
15	Q1752-04	TP-2	BP024272.D	11 Apr 2025 19:04		RC/JU	Ok
16	Q1752-06	TP-4	BP024273.D	11 Apr 2025 19:45		RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167517

SOP ID : M1311-TCLP-15

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-1 / T-2

TCLP Filter ID : 115525

Start Prep Date : 04/08/2025 **Time :** 16:40

End Prep Date : 04/09/2025 **Time :** 11:11

Combination Ratio : 20

ZHE Cleaning Batch : ~~N/A~~ JB

Initial Room Temperature: 23 °C

Final Room Temperature: 21 °C

TCLP Technician Signature : JB

Supervisor By : IZ

Standared Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP110802
HCL-TCLP,1N	N/A	WP110803
HNO3-TCLP,1N	N/A	WP110804
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	W1941,W1942	W3166,W1938,W1939,W1940,
1 Liter Amber	N/A	90424-08
120ml Plastic bottle	N/A	405130101
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftration and before preservation. Particle size reduction is not required. TUMBLER T-1 /T-2 checked,30 rpm. Q1743-04 IS USED FOR MS-MSD.

JB

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
04/09/25 12:40	JB / ICP Room	9129 / IFH
	Preparation Group	Analysis Group

04/09/25

IFH DJZ

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167517

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB167517TB	LEB517	19	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-2
Q1743-04	TP-16	01	100.02	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q1744-02	B-158-SB01	02	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q1744-04	B-158-SB02	03	100.04	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q1745-04	IB-6A-WC	04	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q1745-12	IB-6.5-WC	05	100.03	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q1746-02	B-149-SB01	06	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q1746-04	B-149-SB02	07	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-1
Q1748-04	IB-1.5-WC	08	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q1748-08	IB-2A-WC	09	100.03	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q1749-04	TP-14	10	100.04	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q1752-02	TP-1	11	100.02	2000	N/A	N/A	N/A	5.8	1.0	T-2
Q1752-04	TP-2	12	100.03	2000	N/A	N/A	N/A	4.0	1.5	T-2
Q1752-06	TP-3	13	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-2
Q1752-08	TP-4	14	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-2
Q1753-04	WC-1	15	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-2
Q1753-08	WC-2	16	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-2
Q1754-02	TP-1	17	100.03	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q1754-04	TP-1-CONCRETE	18	100.04	2000	N/A	N/A	N/A	8.6	1.5	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB167517TB	LEB517	N/A	N/A	N/A	N/A	N/A	N/A
Q1743-04	TP-16	N/A	N/A	N/A	N/A	100	N/A
Q1744-02	B-158-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1744-04	B-158-SB02	N/A	N/A	N/A	N/A	100	N/A
Q1745-04	IB-6A-WC	N/A	N/A	N/A	N/A	100	N/A
Q1745-12	IB-6.5-WC	N/A	N/A	N/A	N/A	100	N/A
Q1746-02	B-149-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1746-04	B-149-SB02	N/A	N/A	N/A	N/A	100	N/A
Q1748-04	IB-1.5-WC	N/A	N/A	N/A	N/A	100	N/A
Q1748-08	IB-2A-WC	N/A	N/A	N/A	N/A	100	N/A
Q1749-04	TP-14	N/A	N/A	N/A	N/A	100	N/A
Q1752-02	TP-1	N/A	N/A	N/A	N/A	100	N/A
Q1752-04	TP-2	N/A	N/A	N/A	N/A	100	N/A
Q1752-06	TP-3	N/A	N/A	N/A	N/A	100	N/A
Q1752-08	TP-4	N/A	N/A	N/A	N/A	100	N/A
Q1753-04	WC-1	N/A	N/A	N/A	N/A	100	N/A
Q1753-08	WC-2	N/A	N/A	N/A	N/A	100	N/A
Q1754-02	TP-1	N/A	N/A	N/A	N/A	100	N/A
Q1754-04	TP-1-CONCRETE	N/A	N/A	N/A	N/A	100	N/A

Alliance TECHNICAL GROUP

TCLP Fluid Determination

PB167517

Hot Block ID : WC S-1 /WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
PB167517TB	LEB517	N/A	N/A	N/A	N/A	#1	4.93
Q1743-04	TP-16	5.02	96.5	8.2	3.0	#1	4.93
Q1744-02	B-158-SB01	5.03	96.5	6.6	2.5	#1	4.93
Q1744-04	B-158-SB02	5.02	96.5	6.4	2.5	#1	4.93
Q1745-04	IB-6A-WC	5.01	96.5	8.0	3.0	#1	4.93
Q1745-12	IB-6.5-WC	5.02	96.5	7.6	2.5	#1	4.93
Q1746-02	B-149-SB01	5.03	96.5	7.0	2.0	#1	4.93
Q1746-04	B-149-SB02	5.04	96.5	7.6	2.5	#1	4.93
Q1748-04	IB-1.5-WC	5.01	96.5	7.6	2.5	#1	4.93
Q1748-08	IB-2A-WC	5.02	96.5	8.0	3.0	#1	4.93
Q1749-04	TP-14	5.03	96.5	7.2	2.5	#1	4.93
Q1752-02	TP-1	5.02	96.5	8.0	3.0	#1	4.93
Q1752-04	TP-2	5.03	96.5	6.6	2.5	#1	4.93
Q1752-06	TP-3	5.00	96.5	5.8	2.0	#1	4.93
Q1752-08	TP-4	5.01	96.5	5.6	2.0	#1	4.93
Q1753-04	WC-1	5.02	96.5	5.5	2.0	#1	4.93
Q1753-08	WC-2	5.03	96.5	6.0	2.5	#1	4.93
Q1754-02	TP-1	5.02	96.5	7.2	2.5	#1	4.93
Q1754-04	TP-1-CONCRETE	5.03	96.5	10.5	4.0	#1	4.93

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp q1748 **WorkList ID :** 188805 **Department :** TCLP Extraction **Date :** 04-08-2025 12:17:14

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1743-04	TP-16	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L33	04/07/2025	1311
Q1744-02	B-158-SB01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	L41	04/05/2025	1311
Q1744-04	B-158-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	L41	04/05/2025	1311
Q1745-04	IB-6A-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/07/2025	1311
Q1745-12	IB-6.5-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/07/2025	1311
Q1746-02	B-149-SB01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	L41	04/05/2025	1311
Q1746-04	B-149-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	L41	04/06/2025	1311
Q1748-04	IB-1.5-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	04/08/2025	1311
Q1748-08	IB-2A-WC	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	04/08/2025	1311
Q1749-04	TP-14	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	04/07/2025	1311
Q1752-02	TP-1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/08/2025	1311
Q1752-04	TP-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/08/2025	1311
Q1752-06	TP-3	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/08/2025	1311
Q1752-08	TP-4	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/08/2025	1311
Q1753-04	WC-1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/08/2025	1311
Q1753-08	WC-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/08/2025	1311
Q1754-02	TP-1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/08/2025	1311
Q1754-04	TP-1-CONCRETE	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/08/2025	1311

Date/Time 04/08/25 16:25

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 04/08/25 18:30

Raw Sample Received by:

Raw Sample Relinquished by:

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167537

SOP ID: M3510C,3580A-Extraction SVOC-20

Clean Up SOP #: N/A

Matrix : Water

Weigh By: EH

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3880

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 4,5,6,7

Extraction Start Date : 04/09/2025

Extraction Start Time : 13:25

Extraction End Date : 04/09/2025

Extraction End Time : 18:25

Concentration By: EH

Supervisor By : rajesh

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
Methylene Chloride	N/A	E3926
Baked Na2SO4	N/A	EP2599
10N NaoH	N/A	EP2559
H2SO4 1:1	N/A	EP2565
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 # 2210673.p H Adjusted <2 with 1:1 H2SO4 &>11 with 10 N NaOH.

KD Bath ID: WATER BATH-1,2

KD Bath Temperature: 60 °C

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
04/09/25	RP (Ext 1 cab)	JG / SVOC
18:30	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167537

Analytical Method: M3510C,3580A-Extraction SVOC-20 **Concentration Date:** 04/09/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167517TB	PB167517TB	TCLP BNA	100	6	ritesh	rajesh	1			SEP-01
PB167537BL	PB167537BL	TCLP BNA	1000	6	ritesh	rajesh	1			2
PB167537BS	PB167537BS	TCLP BNA	1000	6	ritesh	rajesh	1			3
PB167537TB	PB167537TB	TCLP BNA	100	6	ritesh	rajesh	1			4
Q1740-04	TP-20	TCLP BNA	100	6	ritesh	rajesh	1	A		5
Q1743-04	TP-16	TCLP BNA	100	6	ritesh	rajesh	1	A		6
Q1744-02	B-158-SB01	TCLP BNA	100	6	ritesh	rajesh	1	A		7
Q1744-04	B-158-SB02	TCLP BNA	100	6	ritesh	rajesh	1	A		8
Q1745-04	IB-6A-WC	TCLP BNA	100	6	ritesh	rajesh	1	A		9
Q1745-12	IB-6.5-WC	TCLP BNA	100	6	ritesh	rajesh	1	A		10
Q1746-02	B-149-SB01	TCLP BNA	100	6	ritesh	rajesh	1	A		11
Q1746-04	B-149-SB02	TCLP BNA	100	6	ritesh	rajesh	1	A		12
Q1748-04	IB-1.5-WC	TCLP BNA	100	6	ritesh	rajesh	1	A		13
Q1748-04MS	IB-1.5-WCMS	TCLP BNA	100	6	ritesh	rajesh	1	A		14
Q1748-04MSD	IB-1.5-WCMSD	TCLP BNA	100	6	ritesh	rajesh	1	A		15
Q1748-08	IB-2A-WC	TCLP BNA	100	6	ritesh	rajesh	1	A		16
Q1749-04	TP-14	TCLP BNA	100	6	ritesh	rajesh	1	A		SEP-01
Q1752-02	TP-1	TCLP BNA	100	6	ritesh	rajesh	1	A		2
Q1752-04	TP-2	TCLP BNA	100	6	ritesh	rajesh	1	A		3
Q1752-06	TP-3	TCLP BNA	100	6	ritesh	rajesh	1	A		4
Q1752-08	TP-4	TCLP BNA	100	6	ritesh	rajesh	1	A		5
Q1753-04	WC-1	TCLP BNA	100	6	ritesh	rajesh	1	A		6
Q1753-08	WC-2	TCLP BNA	100	6	ritesh	rajesh	1	A		7
Q1754-02	TP-1	TCLP BNA	100	6	ritesh	rajesh	1	A		8
Q1754-04	TP-1-CONCRETE	TCLP BNA	100	6	ritesh	rajesh	1	A		9

*** Extracts relinquished on the same date as received.**

4/9/25

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167467

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB167467TB	LEB467	18	N/A	2000	N/A	N/A	N/A	4.94	1.0	T-2
Q1712-04	Z-05A	01	100.02	2000	N/A	N/A	N/A	7.0	1.5	T-1
Q1712-08	TT-7	02	100.03	2000	N/A	N/A	N/A	7.6	1.0	T-1
Q1719-01	TP-3-1	03	100.04	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q1719-02	TP-3-2	04	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q1719-03	TP-3-3	05	100.03	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q1719-04	TP-3-4	06	100.02	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q1719-05	TP-3-5	07	100.03	2000	N/A	N/A	N/A	5.8	1.5	T-1
Q1719-06	TP-3-6	08	100.02	2000	N/A	N/A	N/A	6.2	1.0	T-1
Q1719-07	TP-3-7	09	100.01	2000	N/A	N/A	N/A	5.8	1.5	T-1
Q1719-08	TP-3-8	10	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-1
Q1719-09	TP-3-9	11	100.03	2000	N/A	N/A	N/A	5.5	1.5	T-2
Q1719-10	TP-3-10	12	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q1719-11	TP-3-11	13	100.03	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q1719-12	TP-3-12	14	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-2
Q1732-04	TT-8	15	100.03	2000	N/A	N/A	N/A	8.6	1.0	T-2
Q1737-02	RT3069	16	100.02	2000	N/A	N/A	N/A	6.2	1.5	T-2
Q1740-04	TP-20	17	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-2

04/07/25
11:00

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167488

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB167488TB	LEB488	N/A	N/A	N/A	N/A	N/A	N/A	4.94	1.0	N/A
Q1739-02	WC-LIQUID-20250404	N/A	N/A	N/A	N/A	N/A	N/A	6.6	1.5	N/A

04/07/25
12:30

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167517

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB167517TB	LEB517	19	N/A	2000	N/A	N/A	N/A	4.93	1.5	T-2
Q1743-04	TP-16	01	100.02	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q1744-02	B-158-SB01	02	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q1744-04	B-158-SB02	03	100.04	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q1745-04	IB-6A-WC	04	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q1745-12	IB-6.5-WC	05	100.03	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q1746-02	B-149-SB01	06	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q1746-04	B-149-SB02	07	100.03	2000	N/A	N/A	N/A	5.5	1.0	T-1
Q1748-04	IB-1.5-WC	08	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q1748-08	IB-2A-WC	09	100.03	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q1749-04	TP-14	10	100.04	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q1752-02	TP-1	11	100.02	2000	N/A	N/A	N/A	5.8	1.0	T-2
Q1752-04	TP-2	12	100.03	2000	N/A	N/A	N/A	4.0	1.5	T-2
Q1752-06	TP-3	13	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-2
Q1752-08	TP-4	14	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-2
Q1753-04	WC-1	15	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-2
Q1753-08	WC-2	16	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-2
Q1754-02	TP-1	17	100.03	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q1754-04	TP-1-CONCRETE	18	100.04	2000	N/A	N/A	N/A	8.6	1.5	T-2

04/09/25

12:40

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

Prep Standard - Chemical Standard Summary

Order ID : Q1744

Test : TCLP BNA

Prepbatch ID : PB167537,

Sequence ID/Qc Batch ID: BP041125,

Standard ID :
EP2559,EP2565,EP2599,SP6685,SP6686,SP6721,SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729,SP6752,SP6754,SP6757,

Chemical ID :
10ul/1000ul sample,E3551,E3657,E3828,E3874,E3876,E3902,E3904,E3926,M5173,S10104,S10397,S10584,S11074,S11087,S11143,S11161,S11487,S11495,S11650,S11785,S11786,S11787,S11788,S12114,S12142,S12189,S12190,S12191,S12192,S12193,S12194,S12195,S12208,S12209,S12210,S12211,S12212,S12213,S12214,S12215,S12216,S12270,S12276,S12327,S12469,S12478,S12479,S12480,S12481,S12482,S12483,S12484,S12485,S12486,S12517,S12525,S12526,S12527,S12528,S12529,S12530,S12531,S12532,S12533,S12577,S12649,S12658,S12791,S12966,S12967,S12968,S12969,S12970,S12971,S12972,S12973,S12974,W3112,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1874	10 N SODIUM HYDROXIDE SOLN	EP2559	11/14/2024	05/14/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 11/14/2024

FROM 1000.00000ml of W3112 + 400.00000gram of E3657 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
314	1.1 H2SO4 SOLN	EP2565	11/20/2024	05/20/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 11/20/2024

FROM 1000.00000ml of M5173 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2599	04/07/2025	07/01/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 04/07/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
18	Second Source Calibration Stock Standard, 100 PPM, (8270/625/CLP)	SP6685	11/15/2024	04/10/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.04000ml of S12189 + 0.08000ml of S12208 + 0.10000ml of S11074 + 0.20000ml of S12142 + 0.20000ml of S12469 + 0.20000ml of S12517 + 1.18000ml of E3828 = Final Quantity: 2.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
416	40 ng BNA ICV, 40 PPM	SP6686	11/15/2024	04/10/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.01000ml of S12327 + 0.60000ml of E3828 + 0.40000ml of SP6685 = Final Quantity: 1.010 ml

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	Shreena 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

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Fax : 908 789 8922

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
413	80 ng BNA ICC, 80 PPM	SP6722	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.20000ml of E3874 + 0.80000ml of SP6721 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
412	60 ng BNA ICC, 60 PPM	SP6723	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.40000ml of E3874 + 0.60000ml 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
411	50 ng BNA ICC, 50 PPM	SP6724	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.50000ml of E3874 + 0.50000ml of SP6721 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
410	40 ng BNA ICC, 40 PPM	SP6725	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.60000ml of E3874 + 0.40000ml 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
3678	20 ng BNA ICC, 20 PPM	SP6726	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.80000ml of E3874 + 0.20000ml of SP6721 = Final Quantity: 1.010 ml

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	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.90000ml of E3874 + 0.10000ml 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
407	5 ng BNA ICC, 5 PPM	SP6728	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.95000ml of E3874 + 0.05000ml of SP6721 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
175	2.5 ng BNA ICC, 2.5 PPM	SP6729	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.50000ml of E3874 + 0.50000ml of SP6728 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
171	8270/625 Spike Solution, 50/100 PPM	SP6752	03/10/2025	05/31/2025	Rahul Chavli	None	None	Jagrut Upadhyay 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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
19	8270/CLP Surrogate Solution, 100 PPM BN/150 PPM ACID	SP6754	03/18/2025	09/18/2025	Rahul Chavli	None	None	Jagrut Upadhyay 04/03/2025

FROM 1930.00000ml of E3902 + 2.60000ml of S12216 + 2.70000ml of S12195 + 5.20000ml of S12210 + 5.30000ml of S12192 + 5.30000ml of S12194 + 5.30000ml of S12209 + 5.30000ml of S12211 + 5.30000ml of S12212 + 5.30000ml of S12213 + 5.40000ml of S12190 + 5.40000ml of S12214 + 5.60000ml of S12191 + 5.60000ml of S12215 + 5.70000ml of S12193 = Final Quantity: 2000.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3895	50 ug/ml DFTPP 8270E	SP6757	03/31/2025	09/30/2025	Rahul Chavli	None	None	Jagrut Upadhyay 04/01/2025

FROM 1.00000ml of S12577 + 19.00000ml of E3904 = Final Quantity: 20.000 ml

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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 #
PCI Scientific Supply, Inc.	PC19510-5 / Sodium Hydroxide Pellets 2.5 Kg, Pk of 4	23B1556310	12/31/2025	12/04/2023 / Rajesh	12/01/2023 / Rajesh	E3657

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24G0862003	05/09/2025	11/09/2024 / Rajesh	11/04/2024 / Rajesh	E3828

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

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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)	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-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 #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	0000281827	06/02/2025	06/01/2022 /	04/05/2022 / william	M5173

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

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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	A0187043	05/15/2025	11/15/2024 / Jagrut	02/06/2023 / Christian	S11074

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

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

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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	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

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

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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]	A0203726	04/30/2025	11/14/2024 / anahy	03/15/2024 / Rahul	S12142

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	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12189

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12190

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12191

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12192

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12193

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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	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	05/15/2025	11/15/2024 / Jagrut	03/15/2024 / Rahul	S12208

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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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	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0206540	05/12/2025	11/12/2024 / anahy	05/30/2024 / Rahul	S12327

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	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12469

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

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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	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

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

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Fax : 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12517

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

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

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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	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

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	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

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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	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 #
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

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

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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	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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

CPI INTERNATIONAL

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Manufacturer's Quality System
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Date Received:_____

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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.

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Rev 0

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.

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Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-112090-04	440246	≤ -10 °C	Methylene Chloride	2/16/2026	CLP Acid Surrogate Solution, 7,500 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
2-chlorophenol-d_4	93951-73-6	99.3	248.12.7P	7487 ± 17.2
2-fluorophenol	367-12-4	99.8	10.7.3.3P	7513 ± 17.26
phenol-d6	13127-88-3	99.9	949.120.8P	7481 ± 17.19
2,4,6-tribromophenol	118-79-6	99.8	12.1.6P	7469 ± 17.17

Received on
02/25/21
by
CG

S9236
to
S9240

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Erica Castiglione

Erica Castiglione
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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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.

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.

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Certificate #3222.02

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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.

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.

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Received on 02/06/23 by CG

S11071 to S11075

Catalog No. : 31853 **Lot No.:** A0187043

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	1,4-Dioxane	2,019.0 µg/mL	+/- 11.8486	µg/mL	Gravimetric
	CAS # 123-91-1 (Lot SHBN5929)		+/- 43.2570	µg/mL	Unstressed
	Purity 99%		+/- 44.5129	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

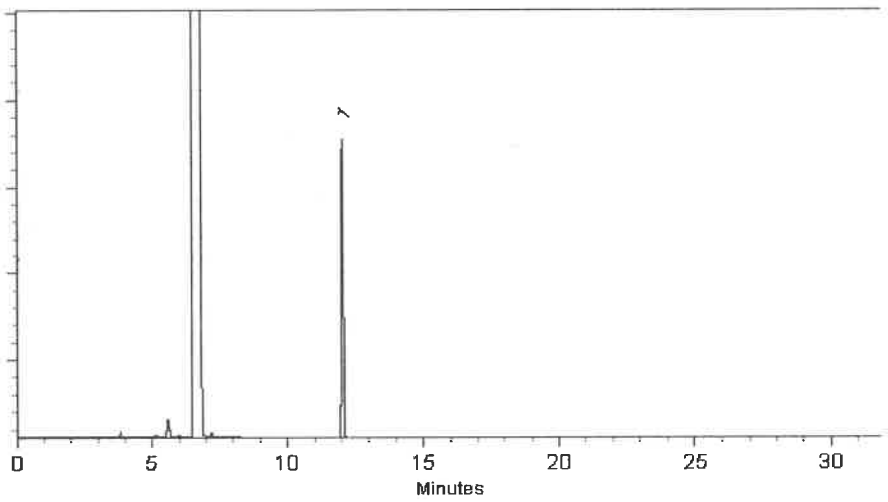
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 07-Jul-2022 **Balance:** 1128360905

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 12-Jul-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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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. : 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

:es:

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 mpound 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 RB on 7/24/23 E3551

VWR®

Certificate of Analysis

Sodium Hydroxide (Pellets)

Material: 0583
Grade: ACS GRADE
Batch Number: 23B1556310

Chemical Formula: NaOH
Molecular Weight: 40
CAS #: 1310-73-2
Appearance:

Pellets

Manufacture Date: 12/14/2022
Expiration Date: 12/31/2025

Storage: Room Temperature

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Calcium	<= 0.005 %	<0.005 %	PASS
Chloride	<= 0.005 %	0.002 %	PASS
Heavy Metals	<= 0.002 %	<0.002 %	PASS
Iron	<= 0.001 %	<0.001 %	PASS
Magnesium	<= 0.002 %	<0.002 %	PASS
Mercury	<= 0.1 ppm	<0.1 ppm	PASS
Nickel	<= 0.001 %	<0.001 %	PASS
Nitrogen Compounds	<= 0.001 %	<0.001 %	PASS
Phosphate	<= 0.001 %	<0.001 %	PASS
Potassium	<= 0.02 %	<0.02 %	PASS
Purity	>= 97.0 %	99.2 %	PASS
Sodium Carbonate	<= 1.0 %	0.5 %	PASS
Sulfate	<= 0.003 %	<0.003 %	PASS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.

E 3657	E 3659
E 3654	E 3660

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 24J0862003
Manufactured Date: 2024-09-12
Expiration Date:2025-12-12
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	2
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 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 3828

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: PO2-1178.2 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

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: PO2-1308 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

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

Material No.: 9530-33
Batch No.: 0000281827
Manufactured Date: 2021/03/30
Retest Date: 2026/03/29
Revision No: 1

Certificate of Analysis

Test	Specification	Result
ACS - Assay (as HCl) (by acid-base titrn)	36.5 - 38.0 %	37.6
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	1
ACS - Specific Gravity at 60°/60°F	1.185 - 1.192	1.189
ACS - Bromide (Br)	<= 0.005 %	< 0.005
ACS - Extractable Organic Substances	<= 5 ppm	< 1
ACS - Free Chlorine (as Cl_2)	<= 0.5 ppm	< 0.5
Phosphate (PO_4)	<= 0.05 ppm	< 0.03
Sulfate (SO_4)	<= 0.5 ppm	< 0.3
Sulfite (SO_3)	<= 0.8 ppm	0.3
Ammonium (NH_4)	<= 3 ppm	< 1
Trace Impurities - Arsenic (As)	<= 0.010 ppm	< 0.003
Trace Impurities - Aluminum (Al)	<= 10.0 ppb	0.5
Arsenic and Antimony (as As)	<= 5 ppb	< 3
Trace Impurities - Barium (Ba)	<= 1.0 ppb	< 0.2
Trace Impurities - Beryllium (Be)	<= 1.0 ppb	< 0.2
Trace Impurities - Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities - Boron (B)	<= 20.0 ppb	< 5.0
Trace Impurities - Cadmium (Cd)	<= 1.0 ppb	< 0.3
Trace Impurities - Calcium (Ca)	<= 50.0 ppb	15.0
Trace Impurities - Chromium (Cr)	<= 1.0 ppb	< 0.4
Trace Impurities - Cobalt (Co)	<= 1.0 ppb	< 0.3
Trace Impurities - Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities - Gallium (Ga)	<= 1.0 ppb	< 0.2

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

Material No.: 9530-33
Batch No.: 0000281827

Test	Specification	Result
Trace Impurities - Germanium (Ge)	<= 3.0 ppb	< 2.0
Trace Impurities - Gold (Au)	<= 4.0 ppb	3.0
Heavy Metals (as Pb)	<= 100 ppb	< 50
Trace Impurities - Iron (Fe)	<= 15.0 ppb	1.0
Trace Impurities - Lead (Pb)	<= 1.0 ppb	< 0.5
Trace Impurities - Lithium (Li)	<= 1.0 ppb	< 0.2
Trace Impurities - Magnesium (Mg)	<= 10.0 ppb	< 0.4
Trace Impurities - Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities - Mercury (Hg)	<= 0.5 ppb	0.2
Trace Impurities - Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Trace Impurities - Nickel (Ni)	<= 4.0 ppb	< 0.3
Trace Impurities - Niobium (Nb)	<= 1.0 ppb	< 0.2
Trace Impurities - Potassium (K)	<= 9.0 ppb	< 2.0
Trace Impurities - Selenium (Se), For Information Only	ppb	1.0
Trace Impurities - Silicon (Si)	<= 100.0 ppb	18.0
Trace Impurities - Silver (Ag)	<= 1.0 ppb	< 0.3
Trace Impurities - Sodium (Na)	<= 100.0 ppb	< 5.0
Trace Impurities - Strontium (Sr)	<= 1.0 ppb	< 0.2
Trace Impurities - Tantalum (Ta)	<= 1.0 ppb	< 0.9
Trace Impurities - Thallium (Tl)	<= 5.0 ppb	< 2.0
Trace Impurities - Tin (Sn)	<= 5.0 ppb	< 0.8
Trace Impurities - Titanium (Ti)	<= 1.0 ppb	< 0.2
Trace Impurities - Vanadium (V)	<= 1.0 ppb	< 0.2
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	0.4
Trace Impurities - Zirconium (Zr)	<= 1.0 ppb	< 0.1

For Laboratory, Research or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC



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

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.

S11484 ↓ S11493 Y.P. 08/10/23

Catalog No. : 555870 **Lot No.:** A0200549

Description : Custom 2,4-Dinitrophenol Standard

Custom 2,4-Dinitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	25,008.0 µg/mL	+/- 777.3323

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckar - Mix Technician

Date Mixed: 02-Aug-2023 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555872 **Lot No.:** A0201728

Description : Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

511649 ↓ 511658 Y.P. 11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP230530RSR	99%	25,000.0 µg/mL	+/- 777.0837

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Josh McCloskey - Operations Technician I

Date Mixed: 05-Sep-2023 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

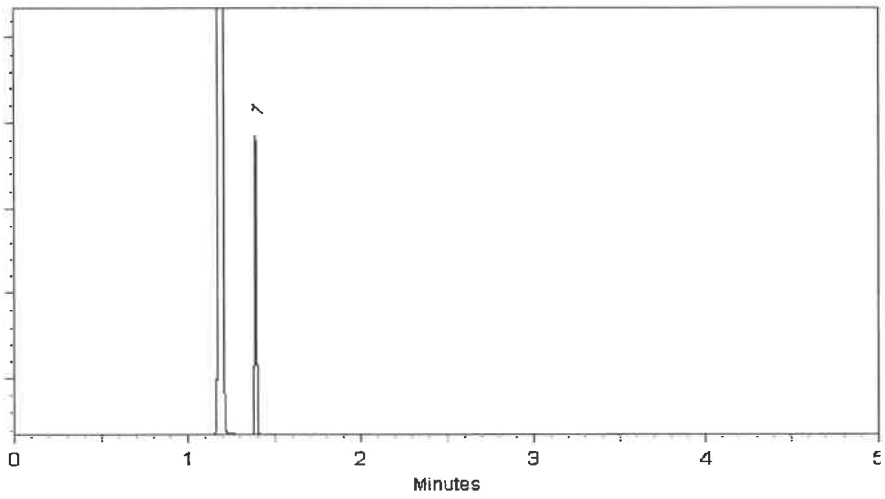
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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
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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. : 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.)

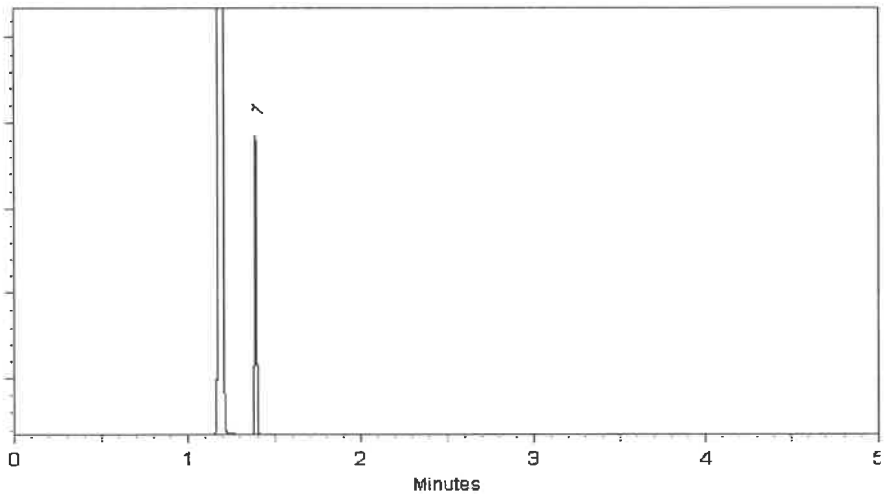
Inj. Temp:
250°C

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:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
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Manufacturing Notes:

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Handling Notes:

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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)
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Solvent: Methylene chloride
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Purity 99%

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Carrier Gas:
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Temp. Program:
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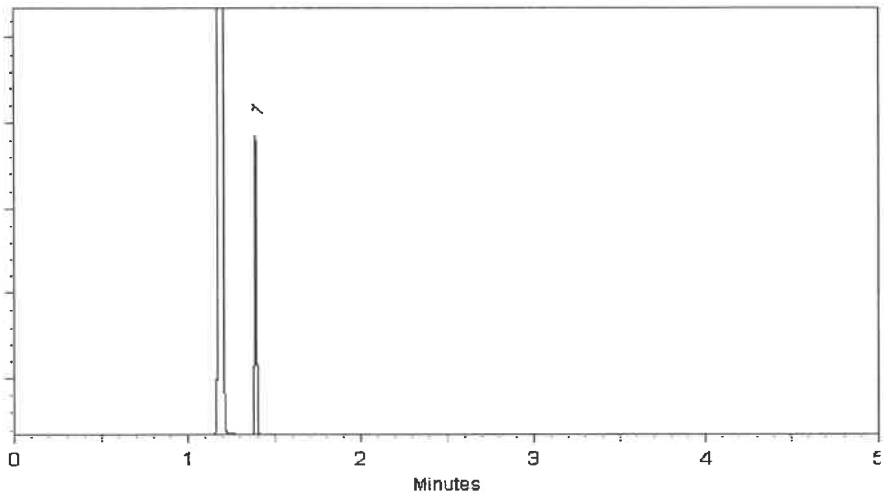
Inj. Temp:
250°C

Det. Temp:
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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

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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)
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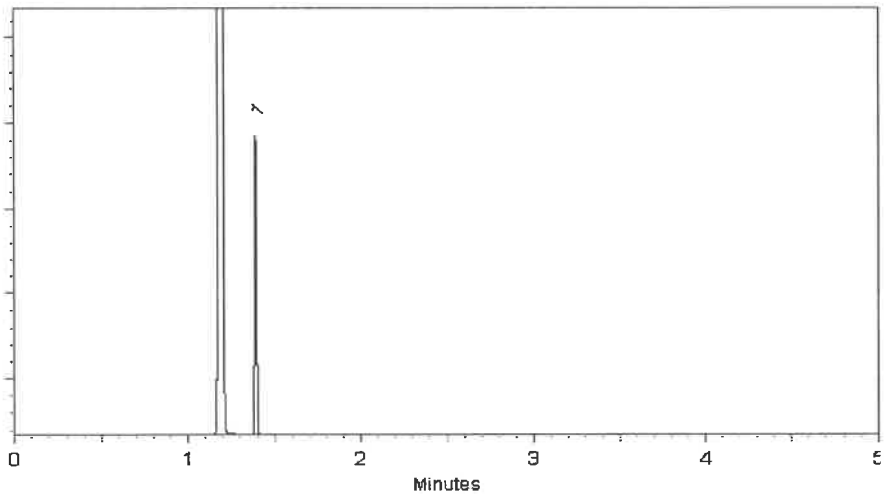
Inj. Temp:
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Split Vent:
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Sam Moodler - Operations Tech I

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

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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-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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Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 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%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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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. : 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.)

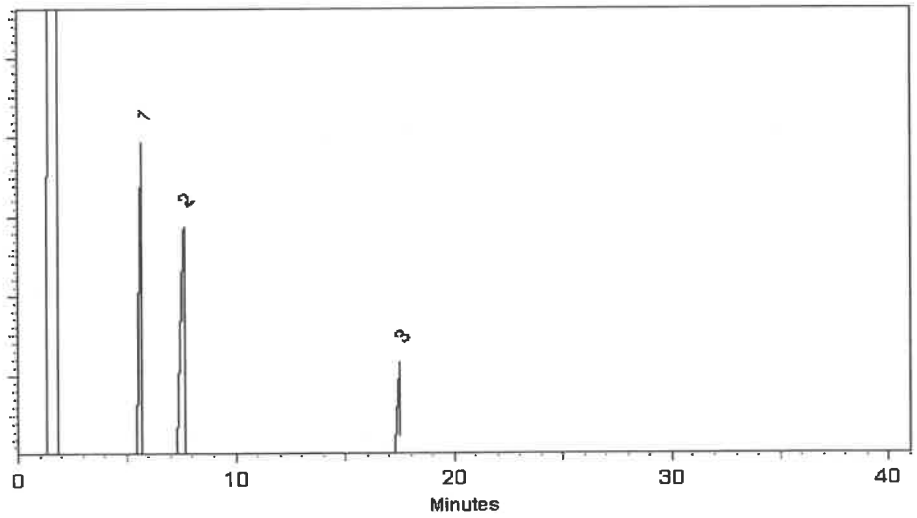
Inj. Temp:
250°C

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

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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. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

S12187 ↓ S12206 } RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

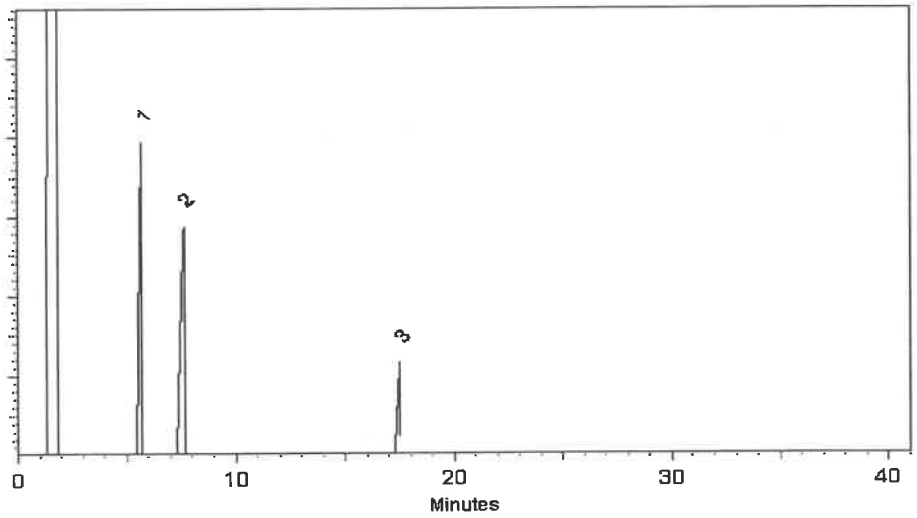
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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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.)

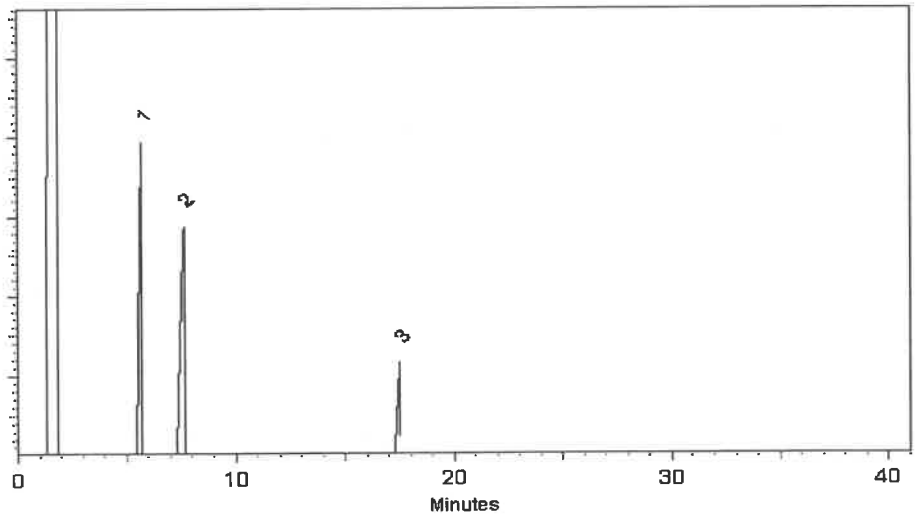
Inj. Temp:
250°C

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

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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. : 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
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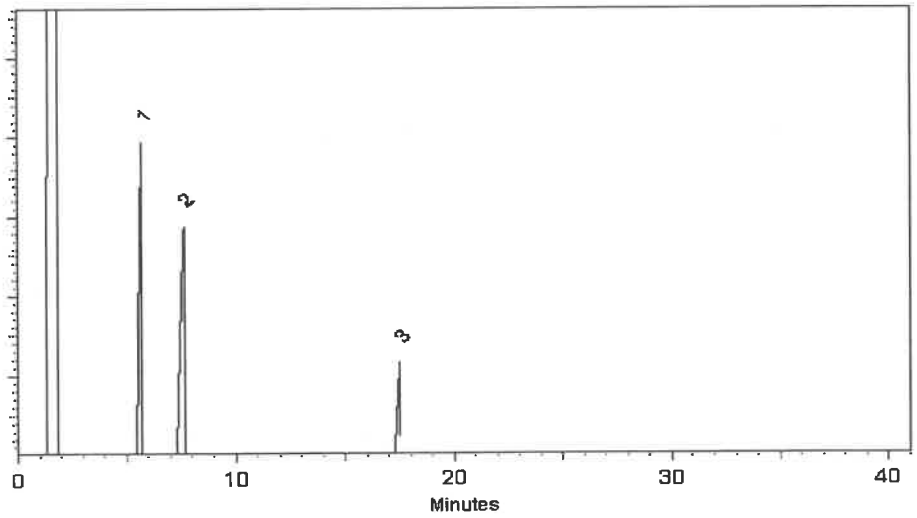
Inj. Temp:
250°C

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

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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. : 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.)

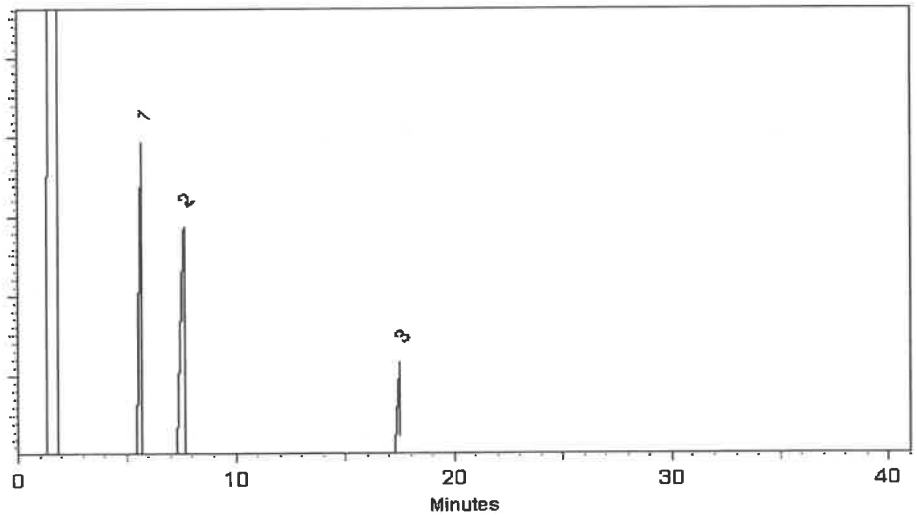
Inj. Temp:
250°C

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

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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. : 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.)

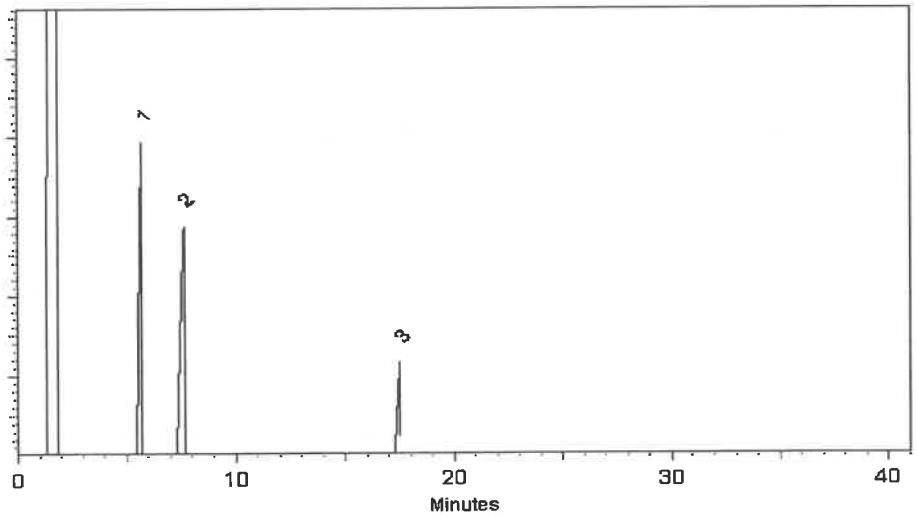
Inj. Temp:
250°C

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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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

S12187 ↓ S12206 } RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

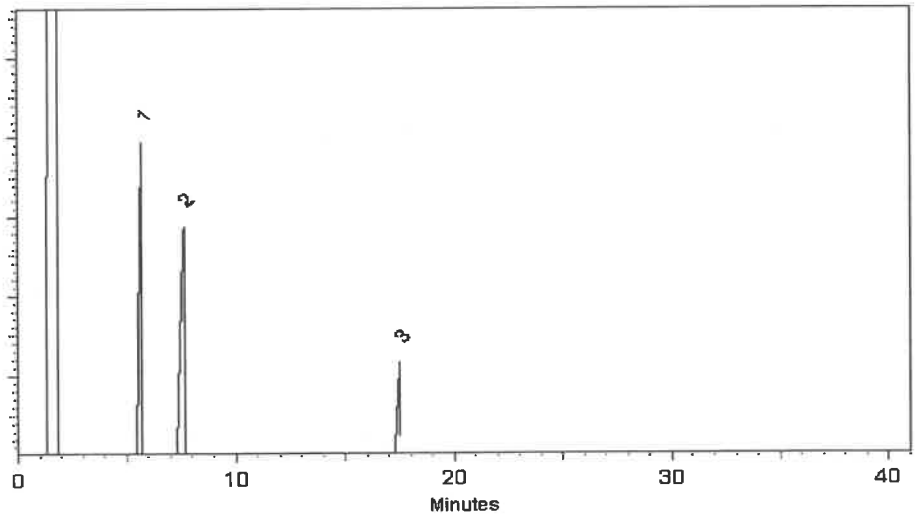
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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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

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

S12207 ↓ S12221 RC/ 03/18/24

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.)

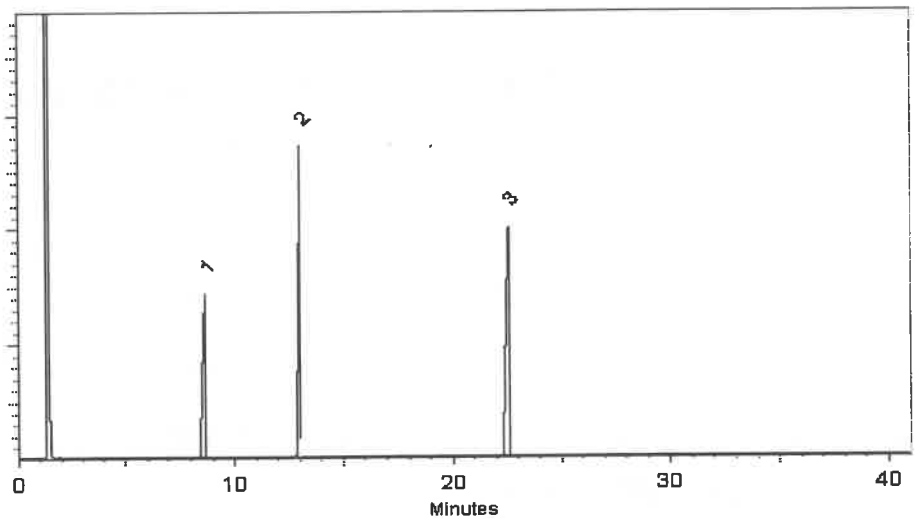
Inj. Temp:
250°C

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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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

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

S12207 ↓ S12221 RC/ 03/18/24

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.)

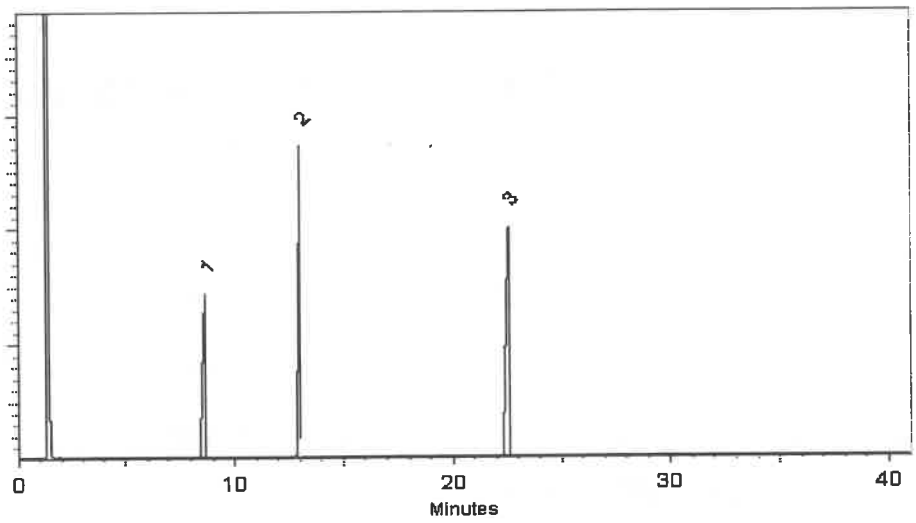
Inj. Temp:
250°C

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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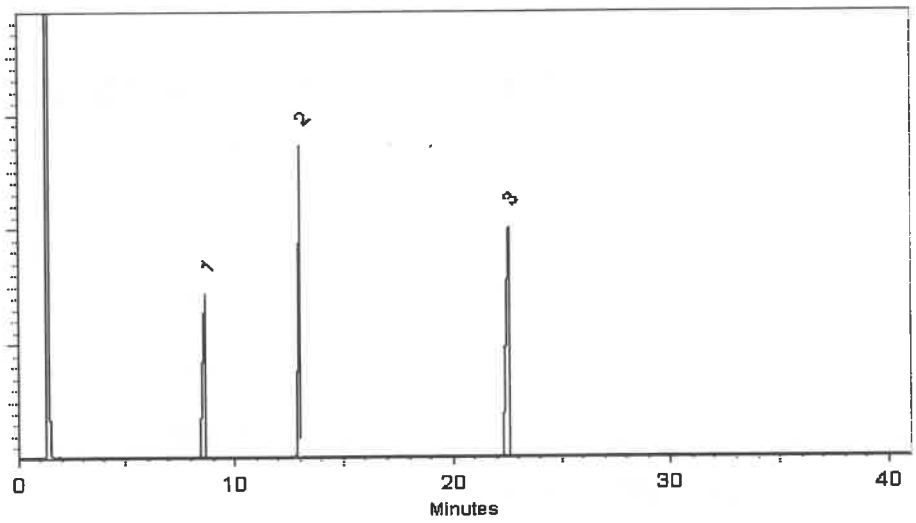
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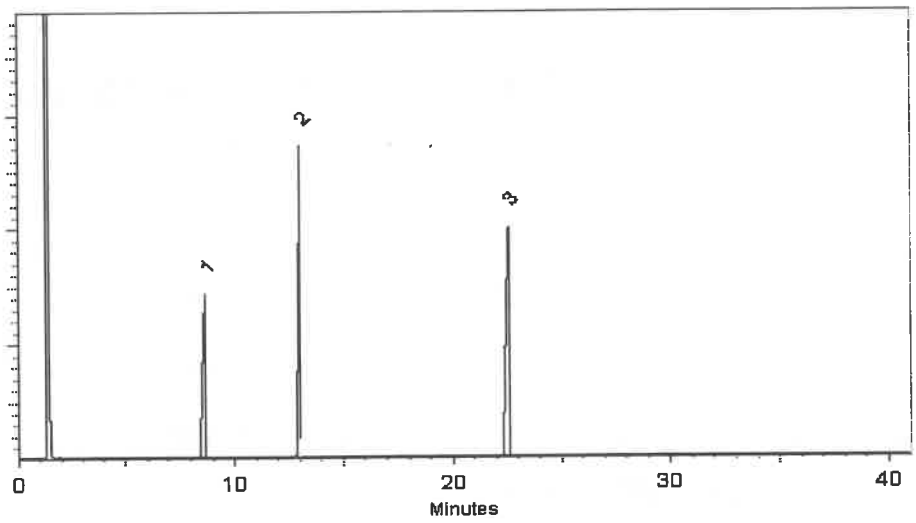
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Inj. Vol
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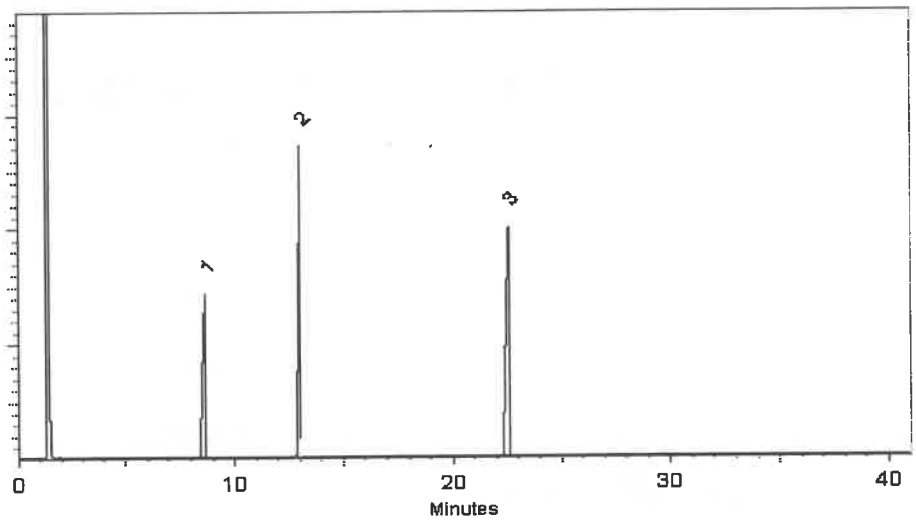
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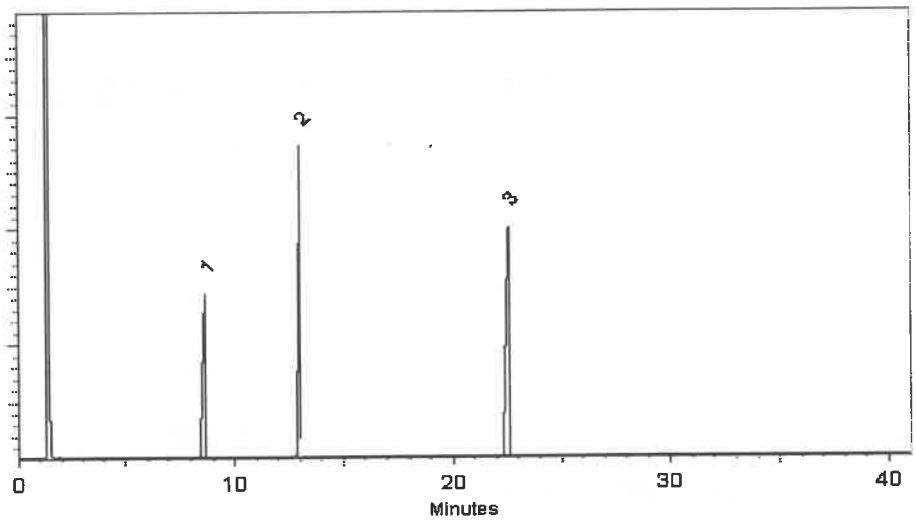
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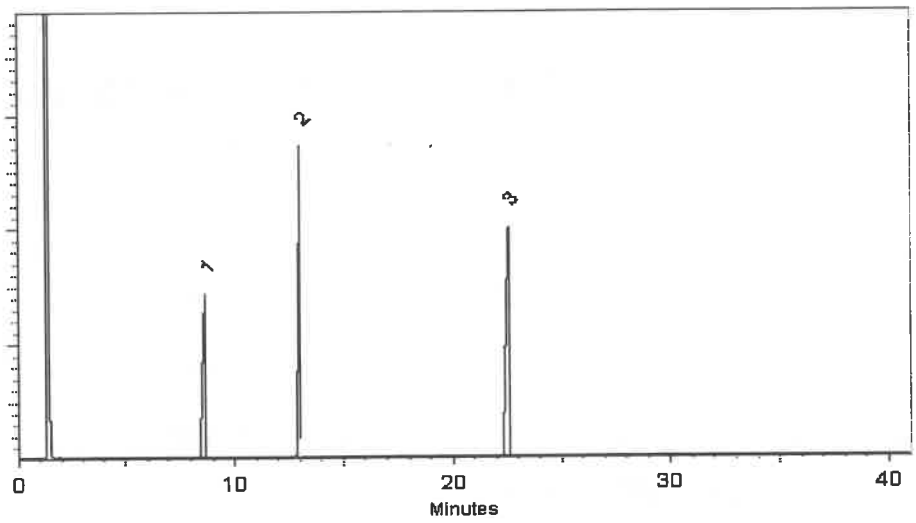
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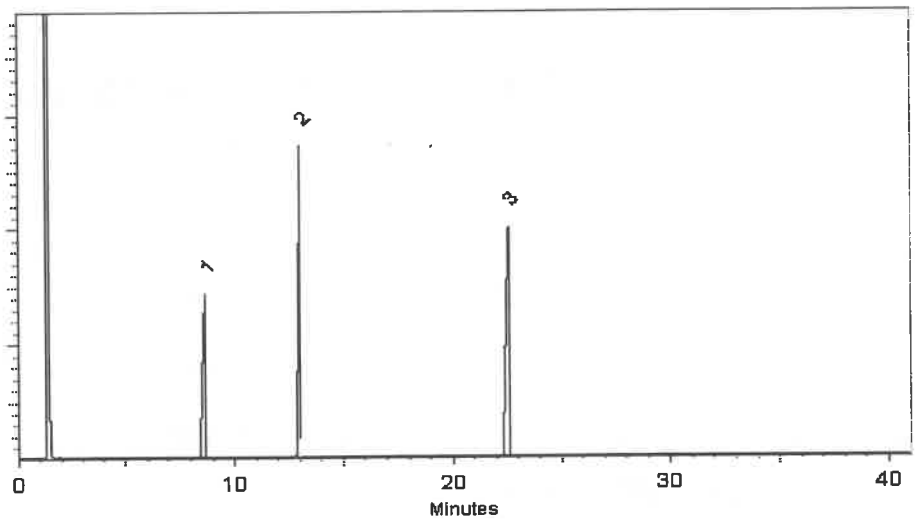
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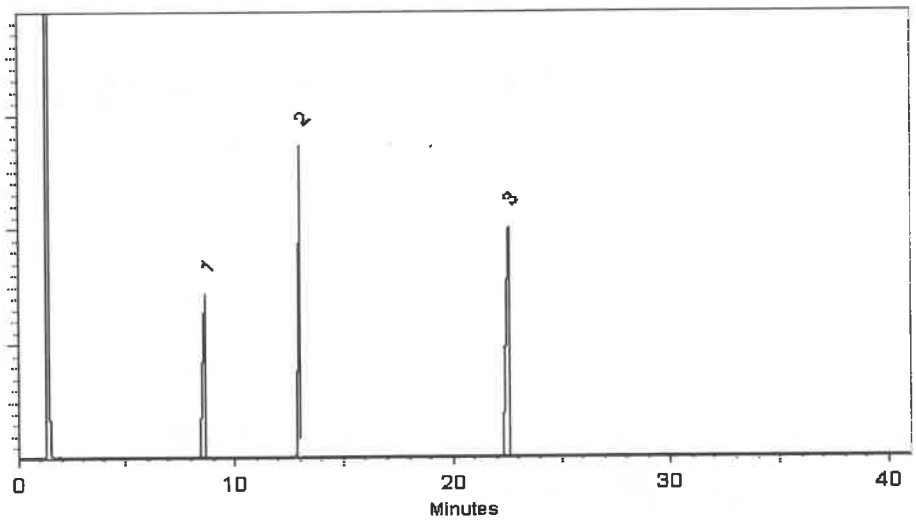
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CPI INTERNATIONAL

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-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

Kerry E Kane

Certified By: _____

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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Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

S12275 ↓ S12279 } RC/ 05/24/24

*Not a certified value

Certified By: S. Hunter

Scott Hunter
Chemist

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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.

S12312 ↓ S12331 } RC/ 05/30/24

Catalog No. : 31206 **Lot No.:** A0206540

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 : December 31, 2029 **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%	2,007.1 µg/mL	+/- 90.4025
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,005.9 µg/mL	+/- 90.3454
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,007.9 µg/mL	+/- 90.4385
4	Phenanthrene-d10	1517-22-2	PR-32303	99%	2,006.7 µg/mL	+/- 90.3845
5	Chrysene-d12	1719-03-5	PR-32210	99%	2,015.5 µg/mL	+/- 90.7778
6	Perylene-d12	1520-96-3	PR-33205	99%	2,014.7 µg/mL	+/- 90.7448

* 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 pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

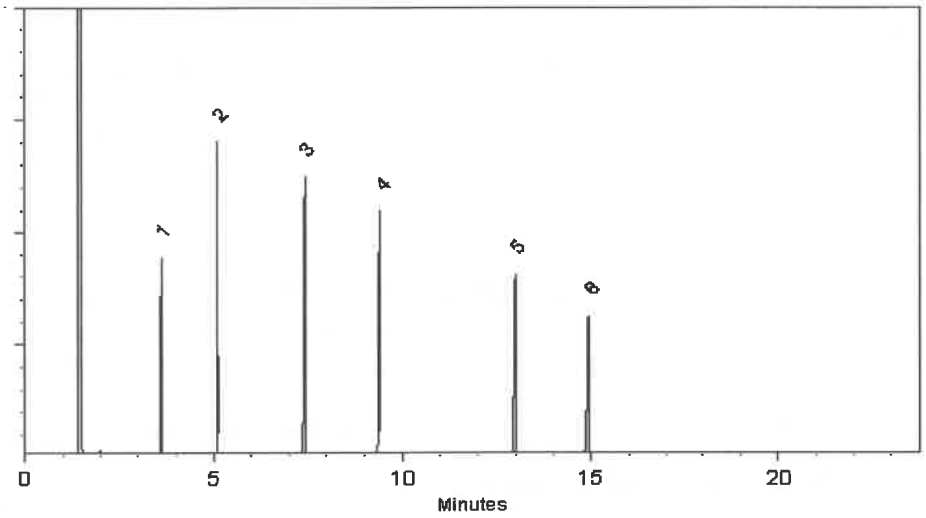
Inj. Temp:
250°C

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.

Malina Homan - Operations Technician I

Date Mixed: 12-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-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

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- 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. : 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:

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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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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:

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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:

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Handling 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. : 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:

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110 Benner Circle
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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

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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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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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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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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
CAS # 75-09-2
Purity 99%

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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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CAS # 75-09-2
Purity 99%

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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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CAS # 75-09-2
Purity 99%

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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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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

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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)
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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)
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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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)
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

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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)
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Solvent: Methylene chloride
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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

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Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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S12509 ↓ S12568 } RC/ 7/24/24

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Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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110 Benner Circle
Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ISO 17034 Accredited
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Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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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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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31615 **Lot No.:** A0212955

Description : GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2027 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,004.5 µg/mL	+/- 44.8902
2	DFTPP (Decafluorotriphenylphosphine)	5074-71-5	Q117-147	99%	1,004.5 µg/mL	+/- 44.8902
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 44.9572
4	4,4'-DDT	50-29-3	S240530RSR	97%	1,000.1 µg/mL	+/- 44.6922

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12577 ↓ S12579 RC 8/2/24

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

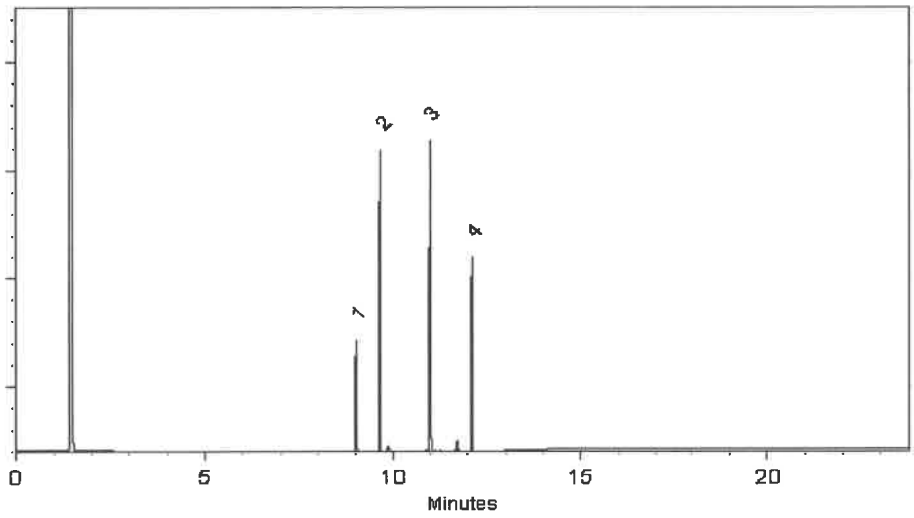
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 19-Jun-2024 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 26-Jun-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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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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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645 ↓ S12674 AC 10/1/24

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110816-01	414127	≤-10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
atrazine	1912-24-9	99.5	337.7.3P	997 ± 5.81
benzidine	92-87-5	99.9	124.18.6.2P	991.8 ± 5.77
caprolactam	105-60-2	99.9	271.1.6P	999 ± 5.82

~~S12280~~ ↓ ~~S12284~~ RCI 05/24/24

New numbers Generated.

S12790 ↓ S12794 RCI 11/12/24

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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CERTIFIED REFERENCE MATERIAL

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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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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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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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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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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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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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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
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
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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

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

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q1744
COC Number 2046612

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Gannett Fleming
ADDRESS: 1010 Adams Ave
CITY Audubon STATE: PA ZIP: 19405
ATTENTION: Joe Krupansky
PHONE: 610-301-8342 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Amtrak replacement of SR
PROJECT NO.: 9500000818 LOCATION: Kearny, NJ
PROJECT MANAGER: Joe Krupansky
e-mail: QA&C@BEMS1S.com
PHONE: 610-301-8432 FAX:

CLIENT BILLING INFORMATION

BILL TO: Alliance PO#:
ADDRESS: 284 Shefied St
CITY Mantanside STATE: NJ ZIP: 07093
ATTENTION: Samavia Beasley PHONE: 908-788-3148

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 10 DAYS*
EDD: 10 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☒ NJ Reduced
- ☐ US EPA CLP
- ☐ NYS ASP A
- ☐ NYS ASP B
- ☐ Other
- ☐ EDD FORMAT BEMEDD

ANALYSIS

1: Full TCLP Analysis
2: RCRA parameter
3: PCBs
4: TAL Metals
5: TCL-VOC+10
6: Cr(III) Cr(VI)
7: TCL-SVOCs-BNA+20
8: EPH
9:

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	B-188-SB01	S		X	4/5/25	13:20	9	X	X	X	X	X	X	X	X		
2.	B-158-SB02	S		X	4/5/25	17:10	9	X	X	X	X	X	X	X	X		
3.	~~TB~~				~~NA~~	~~NA~~						~~X~~					
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

Specify Preservatives: A-HCl, B-HN03, C-H2SO4, D-NaOH, E-ICE, F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	4-5-25 1040	1.
2. Natalie Zucca	4-7-25 1040	2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.1 °C
Comments: IR. Gun #1 "Adjust factor +1"

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1744 PORT06
Client Name : Portal Partners Tri-Venture
Client Contact : Joseph Krupansky
Invoice Name : Portal Partners Tri-Venture
Invoice Contact : Joseph Krupansky

Order Date : 4/7/2025 11:34:00 AM
Project Name : Amtrak Sawtooth Bridges 2
Receive DateTime : 4/7/2025 10:40:00 AM
Purchase Order :

Project Mgr :
Report Type : NJ Reduced
EDD Type : EXCEL NJCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1744-01	B-158-SB01	Solid	04/05/2025	13:20	VOC-TCLVOA-10		8260D		10 Bus. Days
Q1744-03	B-158-SB02	Solid	04/05/2025	17:10	VOC-TCLVOA-10		8260D		10 Bus. Days

Relinguished By : CR
Date / Time : 4-7-25 1255

Received By : RL
Date / Time : 4.7.25 12:55

Storage Area : VOA Refridgerator Room